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***BELARUS***  
***900/900.2/900.3***  
***920/920.2/920.3***  
***950/950.2/950.3***  
***952/952.2/952.3***

900-000010 KDS

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**CATALOGUE OF PARTS AND  
ASSEMBLY UNITS**

The Catalogue has been compiled by Engineer of the Department for Designing and Experimental Works 1 *E. N. Bogdanovich*. The initial data were provided by the leading specialists of the Chief Specialized Design Department of the Minsk Tractor Works (MTZ) Republican Unitary Enterprise.

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## INTRODUCTION

The present Catalogue contains the complete spectrum of assembly units and parts of Belarus 900/900.2/900.3/920/920.2/920.3/950/950.2/950.3/952/ 952.2/952.3 tractors. The Catalogue is intended for organizations and firms carrying out the sales, operation and repair of the tractors; it may be used for calculating and drawing up the applications for spare parts and as a reference book for disassembling and reassembling a tractor.

Any modifications related to the improvement of the design of the tractors are reflected in appropriate data sheets.

## HOW TO USE THE CATALOGUE

The Catalogue includes the assembly units and parts of the tractor:

The assembly units and parts are divided into groups and subgroups according to the functional sign. This section is well illustrated with exploded axonometric images of component parts of the tractor. All the parts on the figures are provided with position numbers. To make the use of the catalogue more convenient when searching the required part, the same position numbers are given in the column "Position Nos." in the textual part of the Catalogue in the increasing order top-down. Being thoroughly elaborated in the artistic aspect, the figures provided in the catalogue allow the user to get familiar with the design of the parts and subassemblies and their configuration as well as can be a reference for carrying out the dismantling and re-mounting operations.

For example, the Catalogue contains the following entry:

"...240-1004100-A      4      Connecting rod (13, 20, 21, 37-39)".

It means that the assembly unit named "connecting rod" in the quantity of four units per engine consists of the following parts: bush (pos. 21), connecting rod (pos. 20), connecting rod bolt (pos. 13), connecting rod cap (pos. 39), washer (pos. 38) and nut (pos. 37). The column "Quantity" specifies the number of assembly units and parts used in this subgroup (1004) per tractor.

For the tractors, the traditional seven-digit system of designation of assembly units and parts (to the right from the prefix) is adopted.

The suffices A1, A2, A3 after the seven-digit number of the part mean that the design of these parts or assembly units has been modified, but remains **interchangeable** with the previously released design. The suffices Б, Б1, Б2, В, Г, Д, etc. mean that the new designs of the parts **will not be interchangeable** with the parts of the previously released designs, but **mutually interchangeable** within the same symbol.

The digital suffices after the number of the part or assembly unit, for example, 01, 02, 03, etc. characterize the design of the part or assembly unit (either embodiment or climatic solution) and these parts are **not interchangeable**.

For example, the parts "240-1104300-01 (shell of the 1<sup>st</sup> cylinder)" and "240-1104300-02 (shell of the 2<sup>nd</sup> cylinder)" have different embodiment and **are not interchangeable**.

Some parts adapted from the tractors of previous models have alphanumerical numbers. For example, "Д18-055-A-01 Seal ring".

## PURPOSE

The BELARUS-900/900.2/900.3/920/920.2/920.3/950/950.2/950.3/952/952.2/952.3 wheeled universal tilling tractors belong to drawbar category 1.4 and are designed to perform a wide range of agricultural works: from soil preparation for sowing to harvesting and transporting operations; they can be used in forestry, municipal servicing, construction and industry.

BELARUS-900 (4x2) with the Д-243 diesel engine (59.6 kW/2200 rpm) and synchronized gearbox;

BELARUS-900.2 (4x2) with the Д-243 diesel engine (59.6 kW/2200 rpm), synchronized gearbox and updated design;

BELARUS-900.3 (4x2) with the Д-243.43 S2 diesel engine (62 kW/1800 rpm), synchronized gearbox and updated design;

BELARUS-920 (4x4) with the Д-243 diesel engine (59.6 kW/2200 rpm), synchronized gearbox and FDA (72-);

BELARUS-920.2 (4x4) with the Д-243 diesel engine (59.6 kW/2200 rpm), synchronized gearbox, FDA (822-) and updated design; BELARUS-920.3 (4x4) with the Д-245.43 S2 diesel engine (62 kW/1800 rpm), synchronized gearbox, FDA (822-) and updated design;

BELARUS-950 (4x2) with the Д-245.5 diesel engine (65 kW/1800 rpm), synchronized gearbox;

BELARUS-950.2 (4x2) with the Д-245.5 diesel engine (65 kW/1800 rpm), synchronized gearbox and updated design;

BELARUS-950.3 (4x2) with the Д-245.5 S2 diesel engine (65 kW/1800 rpm), synchronized gearbox and updated design;

BELARUS-952 (4x4) with the Д-245.5 diesel engine (65 kW/1800 rpm), synchronized gearbox and FDA (72-);

BELARUS-952.2 (4x4) with the Д-245.5 diesel engine (65 kW/1800 rpm), synchronized gearbox, FDA (822-) and updated design;

BELARUS-952.3 (4x4) with the Д-245.5 S2 diesel engine (70 kW/1800 rpm), synchronized gearbox, FDA (822-) and updated design.

The index “.2” means upgrading of the respective model by installing one or several units of higher engineering level:

- Front driving axle with planetary reduction gears (for 4x4 tractors);
- Hydraulic lift-based hook-up;
- Bonnet, roof, cab fender of updated design.

The index “.3” means the equipment of the tractors with diesel engines with index S2 certified in accordance with the 2<sup>nd</sup> stage of the ecological regulation of Directive 2000/25/EC, hydrostatic power steering (HPS) system with an independent oil tank, as well as the bonnet, roof and cab fenders of an updated design.

The distinctive features of the tractors presented in the Manual:

- Transmission with the synchronized gearbox (7/2) and synchronized reduction gear (step-up gear): 14 forward and 4 reverse gears.
- Hydrostatic power steering (HPS) with the Danfoss metering pump, cylinder in steering trapezium and steering tie rod.
- Unified rear driving axle with more convenient external readjustment of planetary gear brake bands.

**BELARUS \_\_\_\_\_ 900/920/950/952**

- Hydraulic system with a power regulator completely controlling the rear attachment cylinder. Three sections of the distributor ensure the control of external cylinders of machines and tools.

- Safe comfortable cab complies with the requirements of the EC and OECD directives and is featured by the improved interior, heating and ventilation system.

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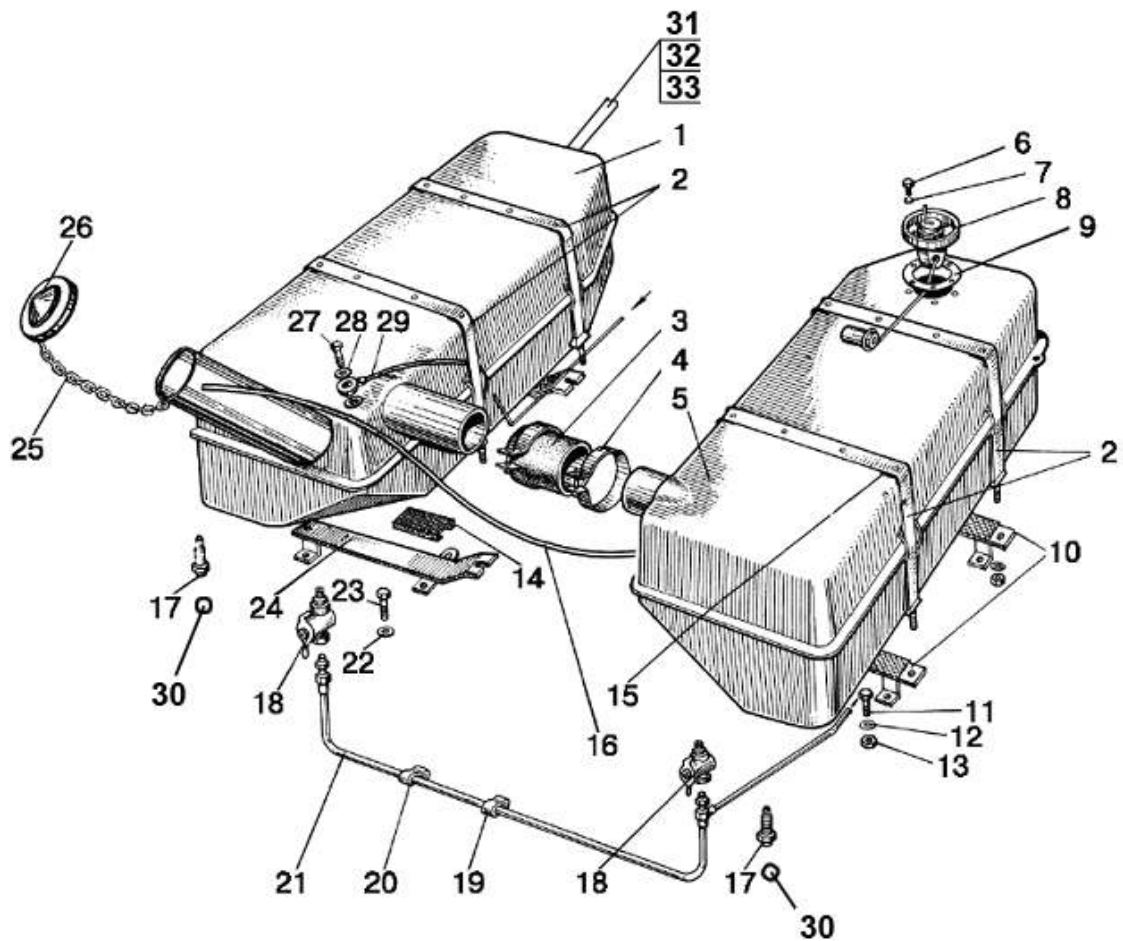


Fig.11.1. Fuel tanks (metallic)

**Group 11. Feeding system  
Subgroup 1101. Fuel tanks (metallic)**

| Fig. No | Pos. No.    | Designation                      | Q-ty      | Description       |
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|         | 2           | 70-1101070                       | 4         | Clamp             |
|         | 3           | 70-1101035-Б                     | 1         | Hose pipe         |
|         | 4           | XC-66                            | 2         | Clamp             |
|         | 5           | 70-1101010                       | 1         | Tank              |
|         |             | 80-1101520                       | 1         | Plastic tank      |
|         | 6           | В.М5-6gx12.58.019 ГОСТ 17473-80  | 5         | Screw             |
|         | 7           | 80-1101067                       | 5         | Washer            |
|         | 8           | AP70.3827 or<br>ДУМП-21М         | 1         | Fuel level sensor |
|         | 9           | 200-3806026                      | 1         | Gasket            |
|         | 10          | 80-1101250-Б                     | 2         | Right bracket     |
|         | 11          | M10-6gx25.88.35.019 ГОСТ 7796-70 | 12        | Bolt              |
|         | 12          | 10 ОТ OCT 37.001.115-75          | 12        | Washer            |
|         | 13          | M10-6H.6.019 ГОСТ 5915-70        | 12        | Nut               |
|         | 14          | 80-1101012-Б                     | 8         | Gasket            |
|         | 15          | ПР-36-01                         | 8         | Gasket            |
|         | 16          | 85-1101002-02                    | 1         | Tube              |
|         | 17          | 822-1101081                      | 2         | Connecting pipe   |
|         | 18          | ПП6-1                            | 2         | Cock              |
|         | 19          | 70-1101042                       | 2         | Cramp             |
|         | 20          | 50-1111102-01                    | 2         | Gasket            |
|         | 21          | 920П-1101210                     | 1         | Fuel pipeline     |
|         | 22          | 12 ОТ OCT 37.001.115-75          | 8         | Washer            |
|         | 23          | M12-6gx30.88.35.019 ГОСТ 7796-70 | 8         | Bolt              |
|         | 24          | 80-1101280-Б                     | 2         | Left bracket      |
|         | 25          | 36-1101070                       | 1         | Chain             |
|         | 26          | 082-1103010                      | 1         | Plug              |
|         | 27          | 36-1104787                       | 1         | Bolt              |
|         | 28          | 36-1104788                       | 2         | Gasket            |
|         | 29          | 920-1101160-01                   | 1         | Fuel pipeline     |
|         | 30          | 11,113-100 ГОСТ 3722-81          | 1         | Ball              |
|         | 31          | 920П-1101240-05                  | 1         | Fuel pipeline     |
| 32      | Д18-051     | 1                                | Bolt      |                   |
| 33      | Д18-055А-01 | 2                                | Seal ring |                   |

ГОСТ – State Standard (translator's note)

OCT – Industrial branch standard (translator's note)

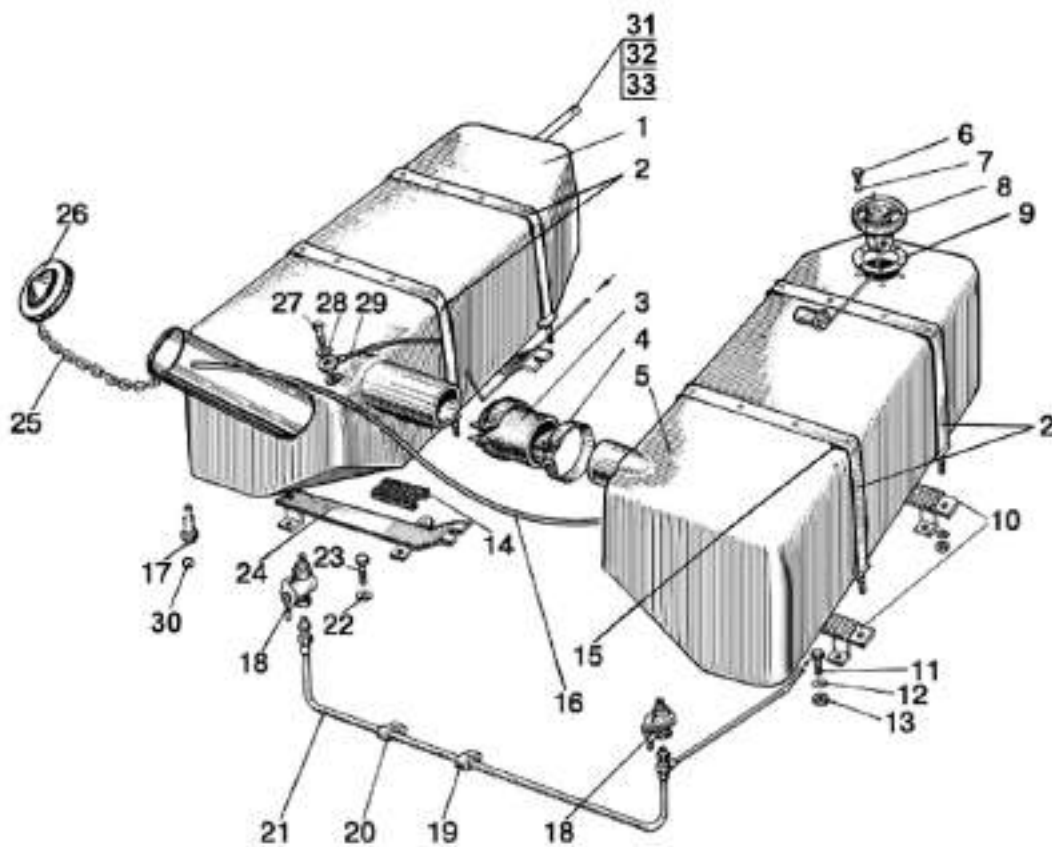


Fig.11.2. Fuel tanks (plastic)

**Group 11. Feeding system  
Subgroup 1101. Fuel tanks (plastic)**

| Fig. No | Pos. No.    | Designation                      | Q-ty      | Description       |
|---------|-------------|----------------------------------|-----------|-------------------|
| 11.2    |             | 70-1101005                       | 1         | Tanks             |
|         | 1           | 80-1101510                       | 1         | Plastic tank      |
|         | 2           | 70-1101070                       | 4         | Clamp             |
|         | 3           | 70-1101035-Б                     | 1         | Hose pipe         |
|         | 4           | XC-66                            | 2         | Clamp             |
|         | 5           | 80-1101520                       | 1         | Plastic tank      |
|         | 6           | B.M5-6gx12.58.019 ГОСТ 17473-80  | 5         | Screw             |
|         | 7           | 80-1101067                       | 5         | Washer            |
|         | 8           | AP70.3827 or<br>ДУМП-21М         | 1         | Fuel level sensor |
|         | 9           | 200-3806026                      | 1         | Gasket            |
|         | 10          | 80-1101250-Б                     | 2         | Right bracket     |
|         | 11          | M10-6gx25.88.35.019 ГОСТ 7796-70 | 12        | Bolt              |
|         | 12          | 10 ОТ OCT 37.001.115-75          | 12        | Washer            |
|         | 13          | M10-6H.6.019 ГОСТ 5915-70        | 12        | Nut               |
|         | 14          | 80-1101012-Б                     | 8         | Gasket            |
|         | 15          | ПР-36-01                         | 8         | Gasket            |
|         | 16          | 80-8101015-02                    | 1         | Tube              |
|         | 17          | 822-1101081                      | 1         | Connecting pipe   |
|         | 18          | ПП6-1                            | 2         | Cock              |
|         | 19          | 70-1101042                       | 2         | Cramp             |
|         | 20          | 50-1111102-01                    | 2         | Gasket            |
|         | 21          | 920П-1101210                     | 1         | Fuel pipeline     |
|         | 22          | 12 ОТ OCT 37.001.115-75          | 8         | Washer            |
|         | 23          | M12-6gx30.88.35.019 ГОСТ 7796-70 | 8         | Bolt              |
|         | 24          | 80-1101280-Б                     | 2         | Left bracket      |
|         | 25          | 36-1101070                       | 1         | Chain             |
|         | 26          | 082-1103010                      | 1         | Plug              |
|         | 27          | 36-1104787                       | 1         | Bolt              |
|         | 28          | 36-1104788                       | 2         | Gasket            |
|         | 29          | 920-1101160-05                   | 1         | Fuel pipeline     |
|         | 30          | 11,113-100 ГОСТ 3722-81          | 1         | Ball              |
|         | 31          | 920П-1101240-05                  | 1         | Fuel pipeline     |
|         | 32          | Д18-051                          | 1         | Bolt              |
| 33      | Д18-055А-01 | 2                                | Seal ring |                   |

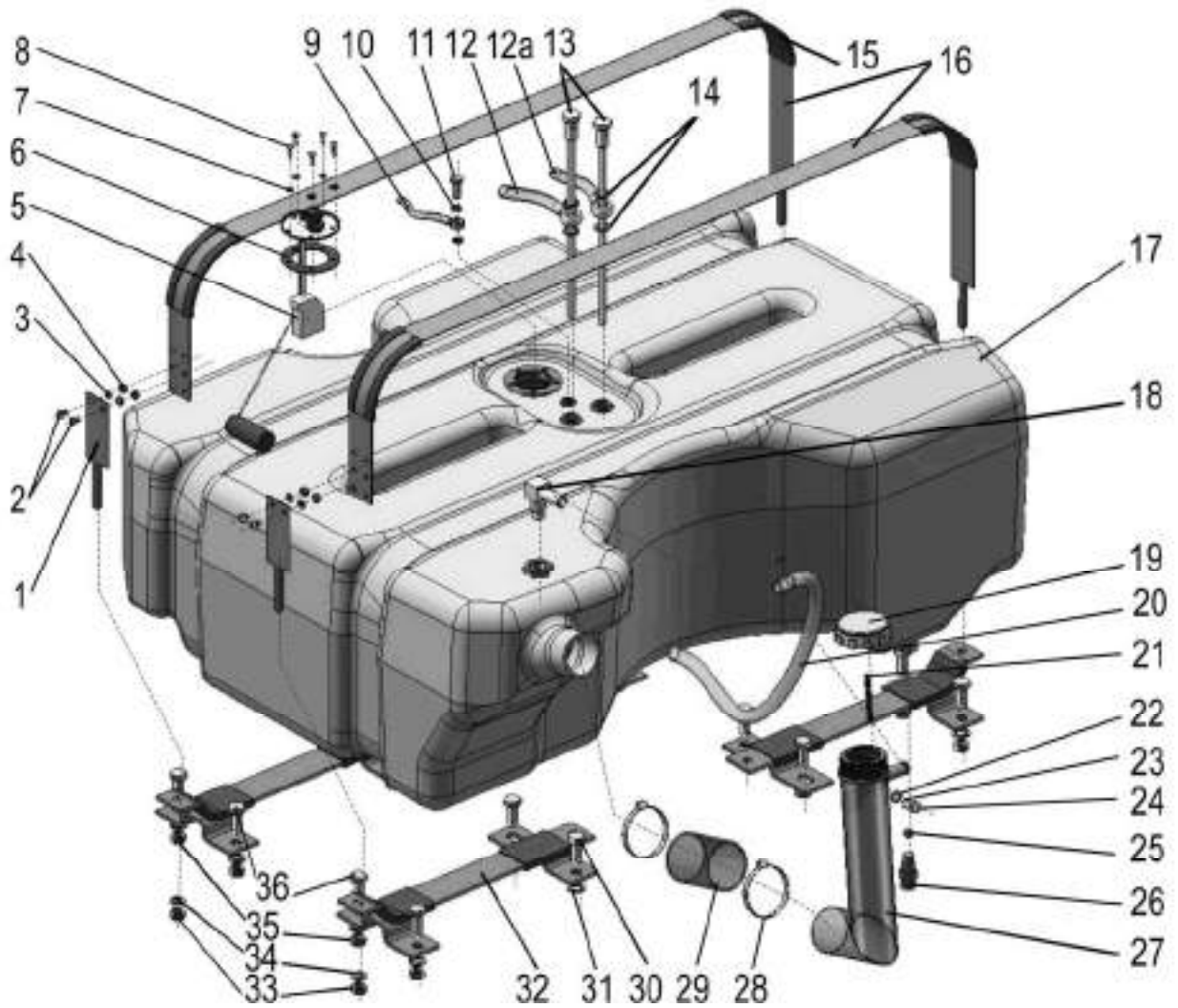


Fig.11.3. Fuel tanks



**Subgroup 1101. Fuel tank  
(if the tractor is equipped with a hydraulic host)**

| Fig. No | Pos. No.                         | Designation                      | Q-ty | Description             |
|---------|----------------------------------|----------------------------------|------|-------------------------|
| 11.3    | 1                                | 1221-1101690-01                  | 2    | Clamp                   |
|         | 2                                | M6-6gx10.58.019 ГОСТ 17473-80    | 4    | Screw                   |
|         | 3                                | 6Т OCT 37.001.115-75             | 4    | Washer                  |
|         | 4                                | M6-6H.6.019 ГОСТ 5915-70         | 4    | Nut                     |
|         | 5                                | ДУМП-21М                         | 1    | Fuel level gauge sensor |
|         | 6                                | 200-3806026                      | 1    | Gasket                  |
|         | 7                                | 80-1101067                       | 5    | Washer                  |
|         | 8                                | B.M5-6gx16.58.019 ГОСТ 17473-80  | 5    | Screw                   |
|         | 9                                | 920-1101160-05                   | 1    | Tube                    |
|         | 10                               | 36-1104788                       | 2    | Gasket                  |
|         | 11                               | 36-1104787                       | 1    | Connecting pipe bolt    |
|         | 12                               | 920П-1101240-05                  | 1    | Fuel pipeline           |
|         | 12a                              | 920П-1101240-08                  | 1    | Fuel pipeline           |
|         | 13                               | 1221-1101530                     | 2    | Fuel intake             |
|         | 14                               | Д18-055А-01                      | 4    | Seal ring               |
|         | 15                               | ПР-43-03                         | 4    | Seal YM6                |
|         | 16                               | 1221-1101690                     | 2    | Clamp                   |
|         | 17                               | 1221-1101510                     | 1    | Tank                    |
|         | 18                               | 1221-1101620                     | 1    | Angle piece             |
|         | 19                               | 082-1103010                      | 1    | Plug                    |
|         | 20                               | 85-1101002-03                    | 1    | Tube                    |
|         | 21                               | 36-1101070                       | 1    | Chain                   |
|         | 22                               | С 8.01.019 ГОСТ 11371-78         | 1    | Washer                  |
|         | 23                               | 8Т OCT 37.001.115-75             | 1    | Washer                  |
|         | 24                               | M8-6gx20.88.35.019 ГОСТ 7796-70  | 1    | Bolt                    |
|         | 25                               | 11,112-100 ГОСТ 3722-81          | 1    | Ball                    |
|         | 26                               | 822-1101081                      | 1    | Connecting pipe         |
|         | 27                               | 920-1101280                      | 1    | Filler neck             |
|         | 28                               | XC-66                            | 2    | Clamp                   |
|         | 29                               | 70-1101035-Б                     | 1    | Hose pipe               |
|         | 30                               | M12-6gx45.88.35.019 ГОСТ 7796-70 | 8    | Bolt                    |
|         | 31                               | 12 OT OCT 37.001.115-75          | 8    | Washer                  |
|         | 32                               | 1221-1101130                     | 4    | Bracket                 |
|         | 33                               | M10-6H.04.019 ГОСТ 5916-70       | 12   | Nut                     |
|         | 34                               | 10 OT OCT 37.001.115-75          | 8    | Washer                  |
|         | 35                               | С 10.01.019 ГОСТ 11371-78        | 12   | Washer                  |
| 36      | M10-6gx25.88.35.019 ГОСТ 7796-70 | 8                                | Bolt |                         |

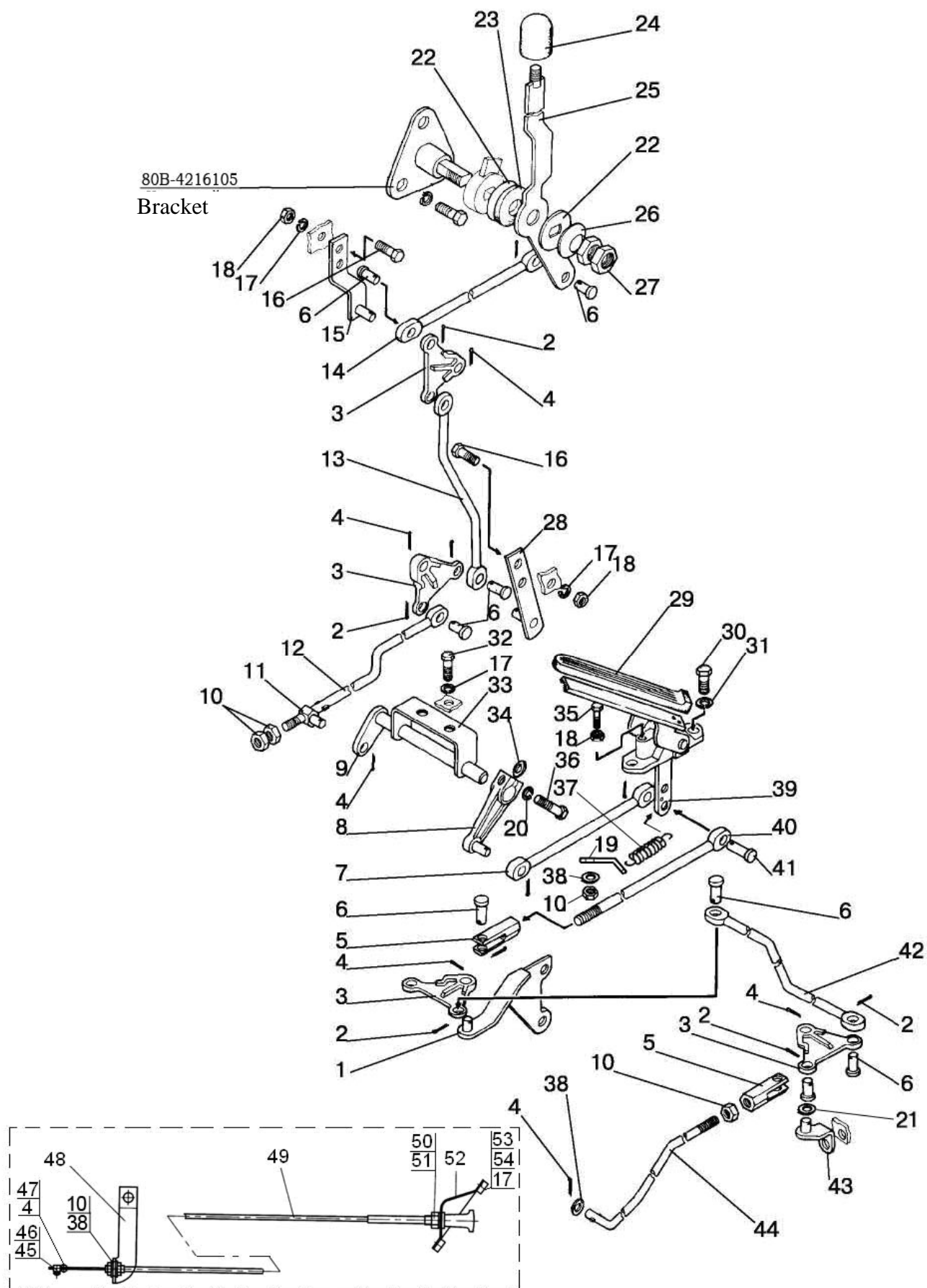


Fig.11.4. Fuel feeding control

**Subgroup 1108. Fuel feeding control**

| Fig. No. | Pos. No. | Designation                                 | Q-ty | Description     |
|----------|----------|---|------|-----------------|
| 11.4     | 1        | 80B-1108545                                 | 1    | Bracket         |
|          | 2        | 2x12.019 ГОСТ 397-79                        | 9    | Cotter pin      |
|          | 3        | 80B-1108506                                 | 4    | Lever           |
|          | 4        | 3,2x18.019 ГОСТ 397-79                      | 9    | Cotter pin      |
|          | 5        | 80B-1108542                                 | 2    | Rod tip         |
|          | 6        | 70-1601109-01                               | 9    | Pin             |
|          | 7        | 80B-1108503                                 | 1    | Rod             |
|          | 8        | 80B-1108365                                 | 1    | Lever           |
|          | 9        | 80B-1108360                                 | 1    | Shaft           |
|          | 10       | M8-6H.6.019 ГОСТ 5915-70                    | 6    | Nut             |
|          | 11       | 70-1108317                                  | 1    | Boss            |
|          | 12       | 80B-1108537                                 | 1    | Rod             |
|          | 13       | 80B-1108343                                 | 1    | Rod             |
|          | 14       | 80B-1108344                                 | 1    | Rod             |
|          | 15       | 80B-1108380                                 | 1    | Bracket         |
|          | 16       | M6-6gx20.88.35.019 ГОСТ 7798-70             | 4    | Bolt            |
|          | 17       | 6T OCT 37.001.115-75                        | 8    | Washer          |
|          | 18       | M6-6H.6.019 ГОСТ 5915-70                    | 5    | Nut             |
|          | 19       | 80B-1108341                                 | 1    | Plate           |
|          | 20       | 8T OCT 37.001.115-75                        | 1    | Washer          |
|          | 21       | C 10.01.019 ГОСТ 11371-78                   | 1    | Washer          |
|          | 22       | 80-1108028                                  | 2    | Washer          |
|          | 23       | 80-1108178                                  | 1    | Friction washer |
|          | 24       | A13.11.000                                  | 1    | Handle          |
|          | 25       | 80B-1108350                                 | 1    | Handle          |
|          | 26       | 80B-1108347                                 | 1    | Disk spring     |
|          | 27       | M14x1,5-6H.6.019 ГОСТ 5915-70               | 2    | Nut             |
|          | 28       | 80B-1108370                                 | 1    | Bracket         |
|          | 29       | A13.36.001                                  | 1    | Boot            |
|          | 30       | M10-6gx25.88.35.019 ГОСТ 7796-70            | 2    | Bolt            |
|          | 31       | 10 OT OCT 37.001.115-75                     | 2    | Washer          |
|          | 32       | M6-6gx12.88.35.019 ГОСТ 7798-70             | 2    | Bolt            |
|          | 33       | 80B-1108346                                 | 1    | Bracket         |
|          | 34       | 50-1108044                                  | 1    | Key             |
|          | 35       | M6-6gx30.88.35.019 ГОСТ 7798-70             | 1    | Bolt            |
|          | 36       | M8-6gx25.88.35.019 ГОСТ 7796-70             | 1    | Bolt            |
|          | 37       | 70-4803019                                  | 1    | Spring          |
|          | 38       | C 8.01.019 ГОСТ 11371-78                    | 4    | Washer          |
|          | 39       | 80B-1108510                                 | 1    | Pedal           |
|          | 40       | 80B-1108526-01                              | 1    | Rod             |
|          | 41       | 8x30 OCT 37.001.163-75                      | 1    | Pin             |
|          | 42       | 80B-1108344-01<br>1220-1108344-A*/**        | 1    | Rod             |
|          | 43       | 80B-1108530<br>800-1108530-A*/**            | 1    | Bracket         |
|          | 44       | 80B-1108541<br>1025-1108541-01**/(-02,-03)* | 1    | Rod             |
|          | 45       | B.M4-6gx10.58.019 ГОСТ 17473-80             | 1    | Screw           |
|          | 46       | 70-1310441                                  | 1    | Catch           |
|          | 47       | 80-1108317                                  | 1    | Boss            |
|          | 48       | 80-1108126                                  | 1    | Bracket         |
|          | 49       | 80-1108630-A-01                             | 1    | Cable           |
|          | 50       | M12x1,25-6H.6.019 ГОСТ 5915-70              | 1    | Nut             |
|          | 51       | C 12.01.019 ГОСТ 11371-78                   | 1    | Washer          |
|          | 52       | 80-1024211                                  | 1    | Shield          |
|          | 53       | A30.04.017                                  | 2    | Cap             |
|          | 54       | M6-6gx12.88.35.019 ГОСТ 7798-70             | 2    | Bolt            |

\* 900.2/920.2/950.2/952.2

\*\* 900.3/920.3/950.3/952.3

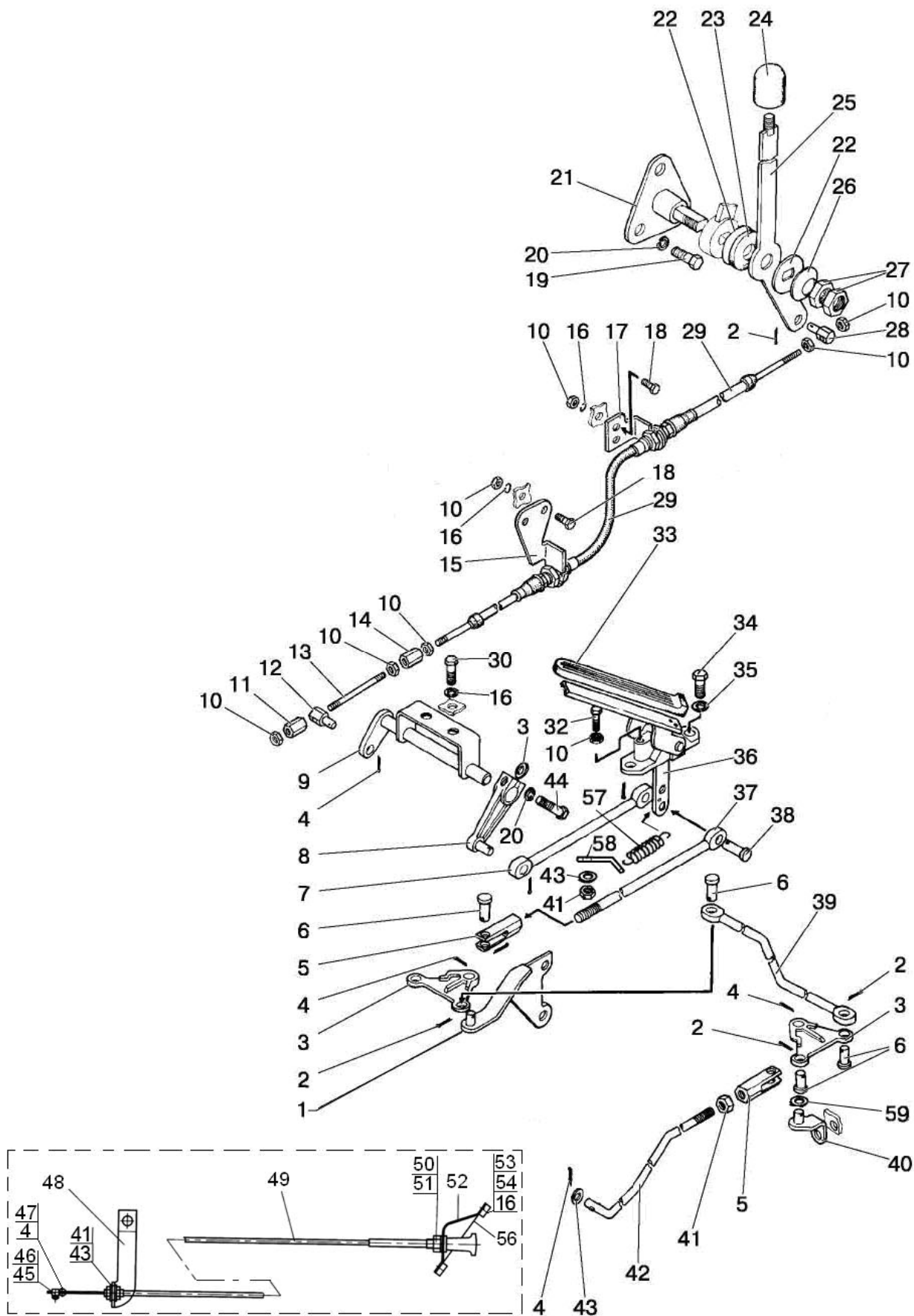


Fig.11.5. Fuel feeding control (if the tractor is equipped with a hydraulic host)

**Group 11. Feeding system**

**Subgroup 1108. Fuel feeding control (if the tractor is equipped with a hydraulic host)**

| Fig. No. | Pos. No. | Designation                                  | Q-ty | Description     |
|----------|----------|--|------|-----------------|
| 11.5     | 1        | 80B-1108570                                  | 1    | Bracket         |
|          | 2        | 2x12.019 ГОСТ 397-79                         | 4    | Cotter pin      |
|          | 3        | 80B-1108506                                  | 2    | Lever           |
|          | 4        | 3,2x18.019 ГОСТ 397-79                       | 9    | Cotter pin      |
|          | 5        | 80B-1108542                                  | 2    | Rod tip         |
|          | 6        | 70-1601109-01                                | 4    | Pin (6x22)      |
|          | 7        | 80B-1108503                                  | 1    | Rod             |
|          | 8        | 80B-1108365                                  | 1    | Lever           |
|          | 9        | 80B-1108360                                  | 1    | Shaft           |
|          | 10       | M6-6H.6.019 ГОСТ 5915-70                     | 10   | Nut             |
|          | 11       | 75-1108333                                   | 1    | Coupling        |
|          | 12       | 600-1108017                                  | 1    | Boss            |
|          | 13       | 75-1108313                                   | 1    | Rod             |
|          | 14       | 75-1108312                                   | 1    | Coupling        |
|          | 15       | 1021-1108509                                 | 1    | Bracket         |
|          | 16       | 6T OCT 37.001.115-75                         | 8    | Washer          |
|          | 17       | 1021-1108508                                 | 1    | Bracket         |
|          | 18       | M6-6gx20.88.35.019 ГОСТ 7798-70              | 6    | Bolt            |
|          | 19       | M8-6gx20.88.35.019 ГОСТ 7796-70              | 3    | Bolt            |
|          | 20       | 8T OCT 37.001.115-75                         | 4    | Washer          |
|          | 21       | 1221-1108105                                 | 1    | Bracket         |
|          | 22       | 80-1108028                                   | 2    | Washer          |
|          | 23       | 80-1108178                                   | 1    | Friction washer |
|          | 24       | A13.11.000                                   | 1    | Handle          |
|          | 25       | 1021-1108350                                 | 1    | Handle          |
|          | 26       | 80B-1108347                                  | 1    | Disk spring     |
|          | 27       | M14x1,5-6H.6.019 ГОСТ 5915-70                | 2    | Nut             |
|          | 28       | 80B-1108317                                  | 1    | Boss            |
|          | 29       | 80B-1108300-A-05                             | 1    | Cable           |
|          | 30       | M6-6gx12.88.35.019 ГОСТ 7798-70              | 2    | Bolt            |
|          | 31       | 50-1108044                                   | 1    | Key             |
|          | 32       | M6-6gx30.88.35.019 ГОСТ 7798-70              | 1    | Bolt            |
|          | 33       | A13.36.001                                   | 1    | Boot            |
|          | 34       | M10-6gx25.88.35.019 ГОСТ 7796-70             | 2    | Bolt            |
|          | 35       | 10 OT OCT 37.001.115-75                      | 2    | Washer          |
|          | 36       | 80B-1108510                                  | 1    | Pedal           |
|          | 37       | 80B-1108526-01                               | 1    | Rod             |
|          | 38       | 8x30 OCT 37.001.163-75                       | 1    | Pin             |
|          | 39       | 1220-1108344-A                               | 1    | Rod             |
|          | 40       | 800-1108530-A                                | 1    | Bracket         |
|          | 41       | M8-6H.6.019 ГОСТ 5915-70                     | 4    | Nut             |
|          | 42       | 1025-1108541<br>1025-1108541-01**/(-02,-03)* | 1    | Rod             |
|          | 43       | C 8.01.019 ГОСТ 11371-78                     | 4    | Washer          |
|          | 44       | M8-6gx25.88.35.019 ГОСТ 7796-70              | 1    | Bolt            |
|          | 45       | B.M4-6gx10.58.019 ГОСТ 17473-80              | 1    | Screw           |
|          | 46       | 70-1310441                                   | 1    | Catch           |
|          | 47       | 80-1108317                                   | 1    | Boss            |
|          | 48       | 80-1108126                                   | 1    | Bracket         |
|          | 49       | 80-1108630-A-01                              | 1    | Cable           |
|          | 50       | M12x1,25-6H.6.019 ГОСТ 5915-70               | 1    | Nut             |
|          | 51       | C 12.01.019 ГОСТ 11371-78                    | 1    | Washer          |
|          | 52       | 80-1024211                                   | 1    | Shield          |
|          | 53       | A30.04.017                                   | 2    | Cap             |

\* 900.2/920.2/950.2/952.2

\*\* 900.3/920.3/950.3/952.3

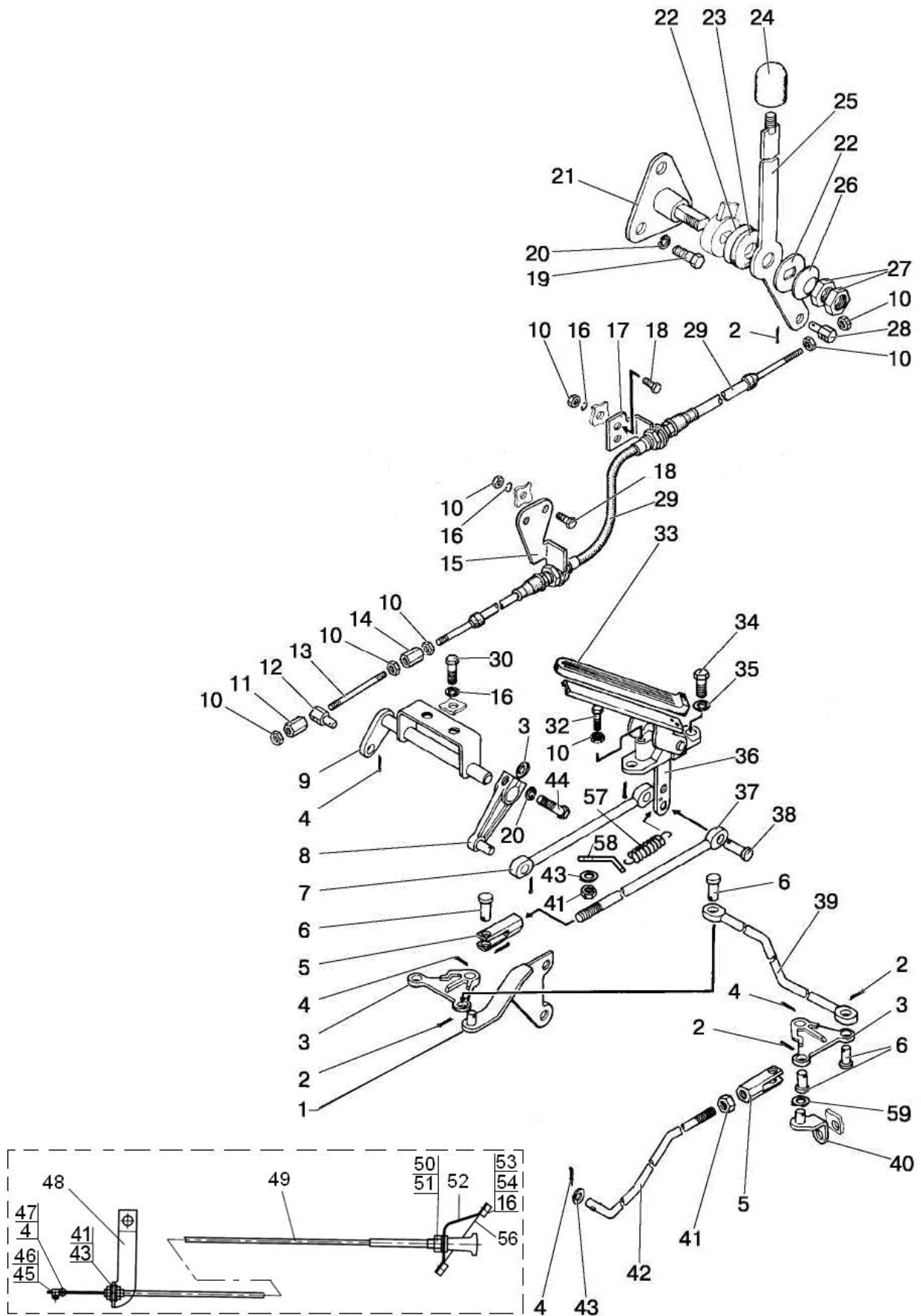


Fig.11.5. Fuel feeding control (if the tractor is equipped with a hydraulic host)

**Group 11. Feeding system****Subgroup 1108. Fuel feeding control (if the tractor is equipped with a hydraulic host)**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 11.5            | 54              | M6-6gx12.88.35.019 ГОСТ 7798-70 | 2           | Bolt               |
|                 | 56              | 70-3723023                      | 1           | Bush               |
|                 | 57              | 70-4803019                      | 1           | Spring             |
|                 | 58              | 80B-1108341                     | 1           | Plate              |
|                 | 59              | C 10.01.019 ГОСТ 11371-78       | 1           | Washer             |

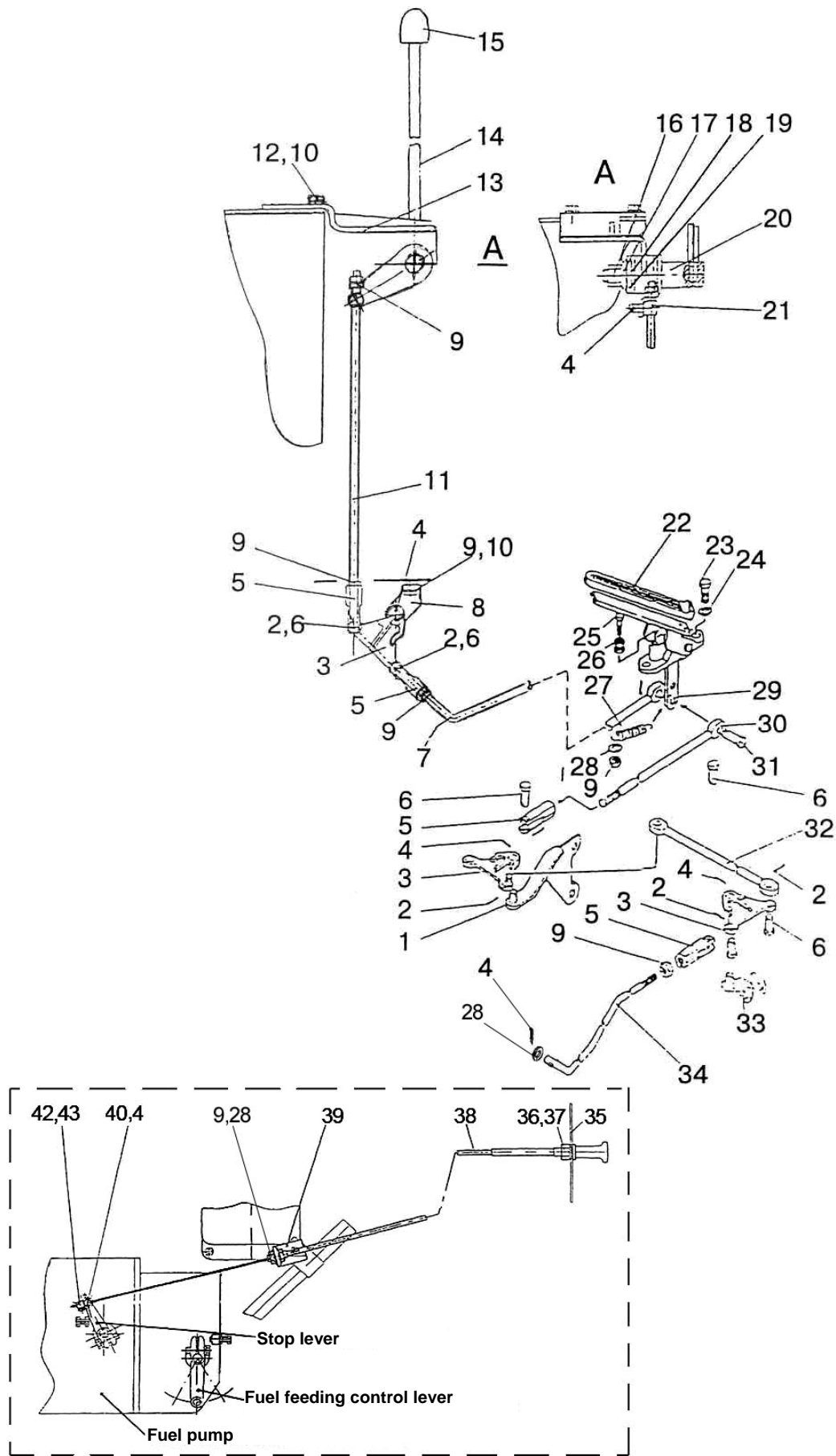


Fig.11.6. Fuel feeding control  
(with the Joystick-type control of hydraulic mounted system)



**Group 11. Feeding system  
Subgroup 1108. Fuel feeding control**

(with the Joystick-type control of hydraulic mounted system)

| Fig. No. | Pos. No.                        | Designation                                 | Q-ty  | Description     |
|----------|---------------------------------|---|-------|-----------------|
| 11.6     |                                 | 1221-1108070                                | 1     | Rod (5, 9, 11)  |
|          |                                 | 1221-1108080                                | 1     | Rod (5, 7, 9)   |
|          | 1                               | 80B-1108545                                 | 1     | Bracket         |
|          | 2                               | 2x12.019 ГОСТ 397-79                        | 6     | Cotter pin      |
|          | 3                               | 80B-1108506                                 | 3     | Lever           |
|          | 4                               | 3,2x18.019 ГОСТ 397-79                      | 7     | Cotter pin      |
|          | 5                               | 80B-1108542                                 | 4     | Rod tip         |
|          | 6                               | 70-1601109-01                               | 6     | Pin             |
|          | 7                               | 1221-1108029                                | 1     | Rod             |
|          | 8                               | 1221-1108045                                | 1     | Bracket         |
|          | 9                               | M8-6H.6.019 ГОСТ 5915-70                    | 10    | Nut             |
|          | 10                              | 8T OCT 37.001.115-75                        | 5     | Washer          |
|          | 11                              | 1221-1108073                                | 1     | Rod             |
|          | 12                              | M8-6gx25.88.35.019 ГОСТ 7796-70             | 2     | Bolt            |
|          | 13                              | 1221-1108020                                | 1     | Bracket         |
|          | 14                              | 922-1108146                                 | 1     | Rod             |
|          | 15                              | A13.11.00                                   | 1     | Handle          |
|          | 16                              | M14x1,5-6H.6.019 ГОСТ 5915-70               | 2     | Nut             |
|          | 17                              | 80B-1108347                                 | 2     | Disk spring     |
|          | 18                              | 80-1108178                                  | 2     | Friction washer |
|          | 19                              | 822-1108028                                 | 1     | Washer          |
|          | 20                              | 1221-1108035                                | 1     | Roller          |
|          | 21                              | 70-1108317                                  | 1     | Boss            |
|          | 22                              | A13.36.001                                  | 1     | Boot            |
|          | 23                              | M10-6gx25.88.35.019 ГОСТ 7796-70            | 2     | Bolt            |
|          | 24                              | 10 OT OCT 37.001.115-75                     | 2     | Washer          |
|          | 25                              | M6-6gx30.88.35.019 ГОСТ 7798-70             | 1     | Bolt            |
|          | 26                              | M6-6H.6.019 ГОСТ 5915-70                    | 1     | Nut             |
|          | 27                              | 70-4803019                                  | 1     | Spring          |
|          | 28                              | C 8.01.019 ГОСТ 11371-78                    | 4     | Washer          |
|          | 29                              | 80B-1108510                                 | 1     | Pedal           |
|          | 30                              | 80B-1108526                                 | 1     | Rod             |
|          | 31                              | 8x30 OCT 37.001.163-75                      | 1     | Pin             |
|          | 32                              | 80B-1108344-01<br>1220-1108344-A**          | 1     | Rod             |
|          | 33                              | 80B-1108530<br>800-1108530-A**              | 1     | Bracket         |
|          | 34                              | 80B-1108541<br>1025-1108541-01**/(-02,-03)* | 1     | Rod             |
|          | 35                              | A30.04.017                                  | 2     | Cap             |
|          | 36                              | 6T OCT 37.001.115-75                        | 2     | Washer          |
|          | 37                              | M6-6gx12.88.35.019 ГОСТ 7798-70             | 2     | Bolt            |
|          | 38                              | 80-1108630-A-01                             | 1     | Cable           |
|          | 39                              | 80-1108126                                  | 1     | Bracket         |
|          | 40                              | 80-1108317                                  | 1     | Boss            |
|          | 42                              | 70-1310441                                  | 1     | Catch           |
| 43       | B.M4-6gx10.58.019 ГОСТ 17475-80 | 1   | Screw |                 |

\* 900.2/920.2/950.2/952.2

\*\* 900.3/920.3/950.3/952.3

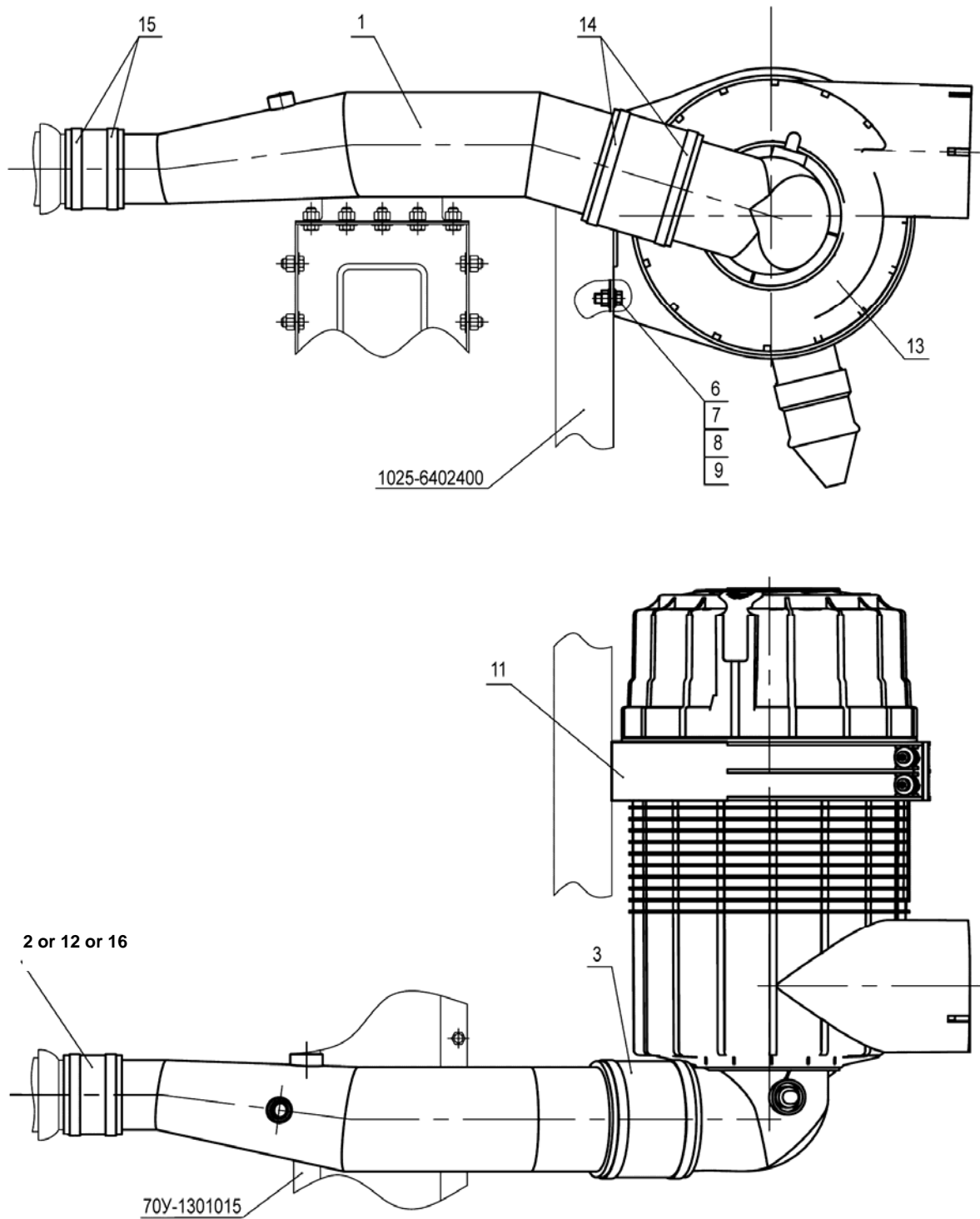


Fig.11.7. Donaldson air cleaner assembly (Д-245.5S2/Д-245.43S2)

**Subgroup 1109. Donaldson air cleaner assembly**  
(Д-245.5S2/Д-245.43S2)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                    | <b>Q-ty</b> | <b>Description</b>   |
|-----------------|-----------------|---------------------------------------|-------------|--|
| 11.7            | 1               | 1025-1109010                          | 1           | Pipe   |
|                 | 2               | 1025-1109006                          | 1           | Branch pipe (allowed substitution for pos. 12 or 16)               |
|                 | 3               | 245-1008029                           | 1           | Branch pipe  |
|                 | 6               | M8-6gx25.88.35.019 ГОСТ 7796-70       | 2           | Bolt   |
|                 | 7               | M8-6H.6.019 ГОСТ 5915-70              | 2           | Nut  |
|                 | 8               | C8.01.019 ГОСТ 6958-78                | 4           | Washer   |
|                 | 9               | 8T OCT 37.001.115-75                  | 2           | Washer   |
|                 | 11              | P78-0532                              | 1           | Bracket  |
|                 | 12              | "Sico Rubena"270 003 151-A TY TPD 282 | 1           | Silicon branch pipe (allowed substitution for pos. 2 or 16)        |
|                 | 13              | FPG 09-0219                           | 1           | Air filter (Donaldson)   |
|                 | 14              | "NORMA" TORRO 90-110/9-C6W            | 2           | Clamp  |
|                 | 15              | "NORMA" TORRO 70-90/9-C6W             | 2           | Clamp  |
|                 | 16              | PR001-60-80-PES                       | 1           | Heat-resistant branch pipe (allowed substitution for pos. 2 or 12) |

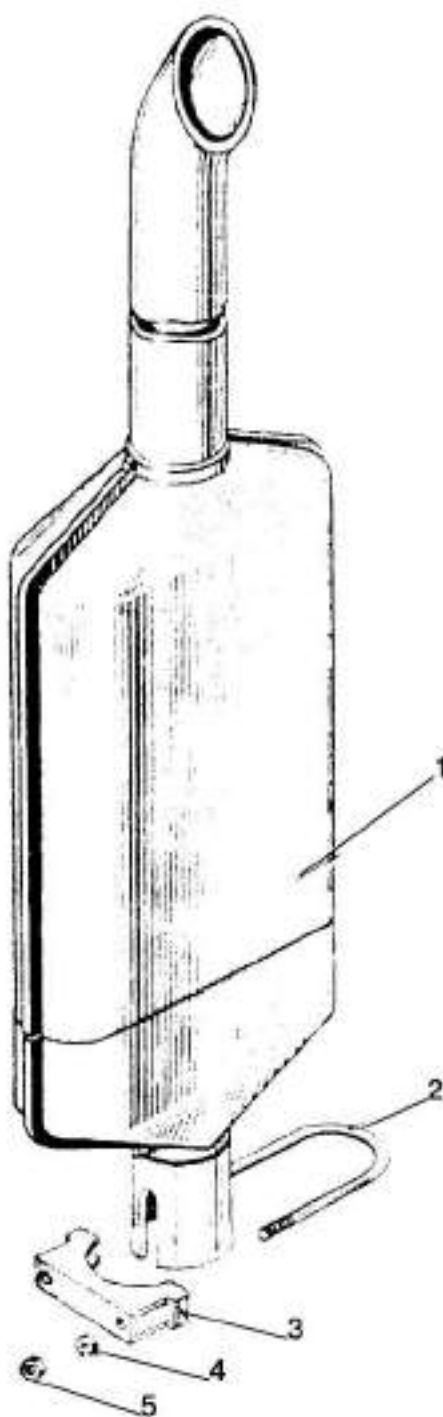


Fig.12.1. Silencer

**Group 12. Exhaust system  
Subgroup 1205. Silencer**

(For Belarus-900/900.2/900.3/950/950.2/950.3/952/952.2/952.3)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>        | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------|-------------|--------------------|
| 12.1            |                 | 245-1205015               | 1           | Silencer (1-5)     |
|                 |                 | 245-1205130               | 1           | Clamp (2-5)        |
|                 | 1               | 245-1205020               | 1           | Silencer           |
|                 | 2               | 245-1205131               | 1           | Cramp              |
|                 | 3               | 245-1205132               | 1           | Clamp              |
|                 | 4               | C 10.01.019 ГОСТ 11371-78 | 2           | Washer             |
|                 | 5               | M10-6H.6.019 ГОСТ 5915-70 | 2           | Nut                |

(For Belarus-920/920.2/920.3)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>        | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------|-------------|--------------------|
| 12.1            |                 | 60-1205015                | 1           | Silencer (1-5)     |
|                 |                 | 60-1205105                | 1           | Clamp (2-5)        |
|                 | 1               | 60-1205015                | 1           | Silencer           |
|                 | 2               | 60-1205101                | 1           | Cramp              |
|                 | 3               | 60-1205103                | 1           | Clamp              |
|                 | 4               | C 10.01.019 ГОСТ 11371-78 | 2           | Washer             |
|                 | 5               | 80-1205136                | 2           | Nut                |

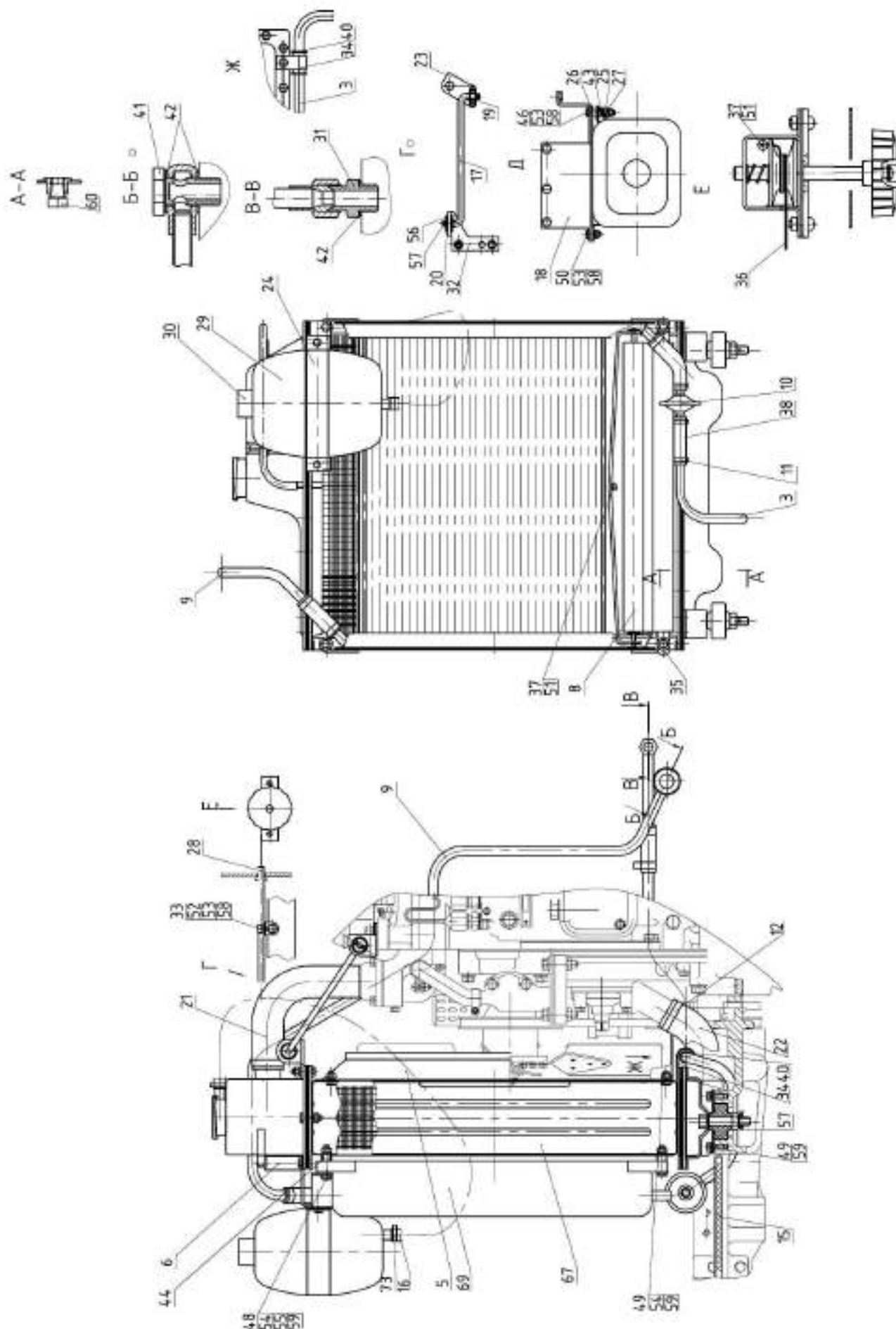


Fig.13.1. Cooling unit (for Belarus-900/900.2/920./920.2/950./950.2/952/952.2)

**Group 13. Cooling system**

**1301. Cooling unit**

(For Belarus-900/900.2/920./920.2/950./950.2/952/952.2)

| Fig. No. | Pos. No.                         | Designation                           | Q-ty       | Description       |
|----------|----------------------------------|---------------------------------------|------------|-------------------|
| 13.1     |                                  | 90-1301009                            | 1          | Cooling unit      |
|          | 3                                | 900-1405120                           | 1          | Oil pipeline      |
|          | 5                                | 70-1309080                            | 1          | Fan cover         |
|          | 6                                | 80-1310020*                           | 1          | Bracket           |
|          | 8                                | 70-1310010-A*                         | 1          | Shutter           |
|          | 9                                | 70-1405110                            | 1          | Oil pipeline      |
|          | 10                               | 70-1405230                            | 1          | Filter            |
|          | 11                               | XC-21 or<br>"NORMA" TORRO 16-25/9-C6W | 8          | Clamp             |
|          | 12                               | XC-46 or<br>"NORMA" TORRO 32-50/9-C6W | 4          | Clamp             |
|          | 15                               | 90-1301233                            | 1          | Seal              |
|          | 16                               | 1321-1311008                          | 1          | Tube              |
|          | 17                               | 90-1302003-A                          | 1          | Brace             |
|          | 18                               | 922-1311001                           | 1          | Bracket           |
|          | 19                               | 90-1302004                            | 2          | Tube              |
|          | 20                               | 85-1302071                            | 2          | Shock-absorber    |
|          | 21                               | 70-1303001                            | 1          | Hose              |
|          | 22                               | 50-1303062-Б2                         | 1          | Hose              |
|          | 23                               | 80-1302012-A                          | 1          | Bracket           |
|          | 24                               | 80-1311002                            | 1          | Clamp             |
|          | 25                               | 80-1311003                            | 1          | Bush              |
|          | 26                               | 80-1311004                            | 1          | Plate             |
|          | 27                               | 80-1311006                            | 1          | Disk              |
|          | 28                               | 80B-1310007*                          | 1          | Cable shell       |
|          | 29                               | 80П-1311010                           | 1          | Expansion tank    |
|          | 30                               | 80П-1311011                           | 1          | Plug              |
|          | 31                               | 80-1405089                            | 1          | Male pipe adapter |
|          | 32                               | 1520-1302072                          | 1          | Bracket           |
|          | 33                               | 70Л-1024216*                          | 1          | Clamp             |
|          | 34                               | 70-1115012-03                         | 1          | Buckle            |
|          | 35                               | 70-1310016*                           | 1          | Slat              |
|          | 36                               | 70-1310121-A*                         | 1          | Control cord      |
|          | 37                               | 70-1310441*                           | 2          | Catch             |
|          | 38                               | 70-1405013                            | 4          | Hose              |
|          | 40                               | 70-3506027                            | 1          | Bush              |
|          | 41                               | 40-4607032                            | 1          | Clamping bolt     |
|          | 42                               | 40-4607038-A                          | 3          | Washer            |
|          | 43                               | 54.06.413                             | 1          | Spring            |
|          | 44                               | 50-4605069                            | 1          | Bush              |
|          | 46                               | M6-6gx40.88.35.019 ГОСТ 7795-70       | 1          | Bolt              |
|          | 48                               | M8-6gx30.88.35.019 ГОСТ 7796-70       | 4          | Bolt              |
| 49       | M8-6gx16.88.35.019 ГОСТ 7796-70  | 8 (1*)                                | Bolt       |                   |
| 50       | M6-6gx16.88.35.019 ГОСТ 7798-70  | 1                                     | Bolt       |                   |
| 51       | B.M4-6gx8.58.019 ГОСТ 17473-80*  | 2                                     | Screw      |                   |
| 52       | B.M6-6gx12.58.019 ГОСТ 17473-80* | 1                                     | Screw      |                   |
| 53       | M6-6H.6.019 ГОСТ 5915-70*        | 3                                     | Nut        |                   |
| 54       | M8-6H.6.019 ГОСТ 5915-70         | 4                                     | Nut        |                   |
| 55       | C 8.01.019 ГОСТ 6958-78          | 4                                     | Washer     |                   |
| 56       | C 8.01.019 ГОСТ 11371-78         | 4                                     | Washer     |                   |
| 57       | 3,2x18.019 ГОСТ 397-79           | 4                                     | Cotter pin |                   |
| 58       | 6T OCT 37.001.115-75             | 2 (1*)                                | Washer     |                   |
| 59       | 8T OCT 37.001.115-75             | 12 (1*)                               | Washer     |                   |
| 60       | КГ 1/4". A12.019 ТУ 23.1.506-91  | 1                                     | Plug       |                   |

\* optionally (jointly with pos.8)

ТУ – Technical Specifications (translator's note)

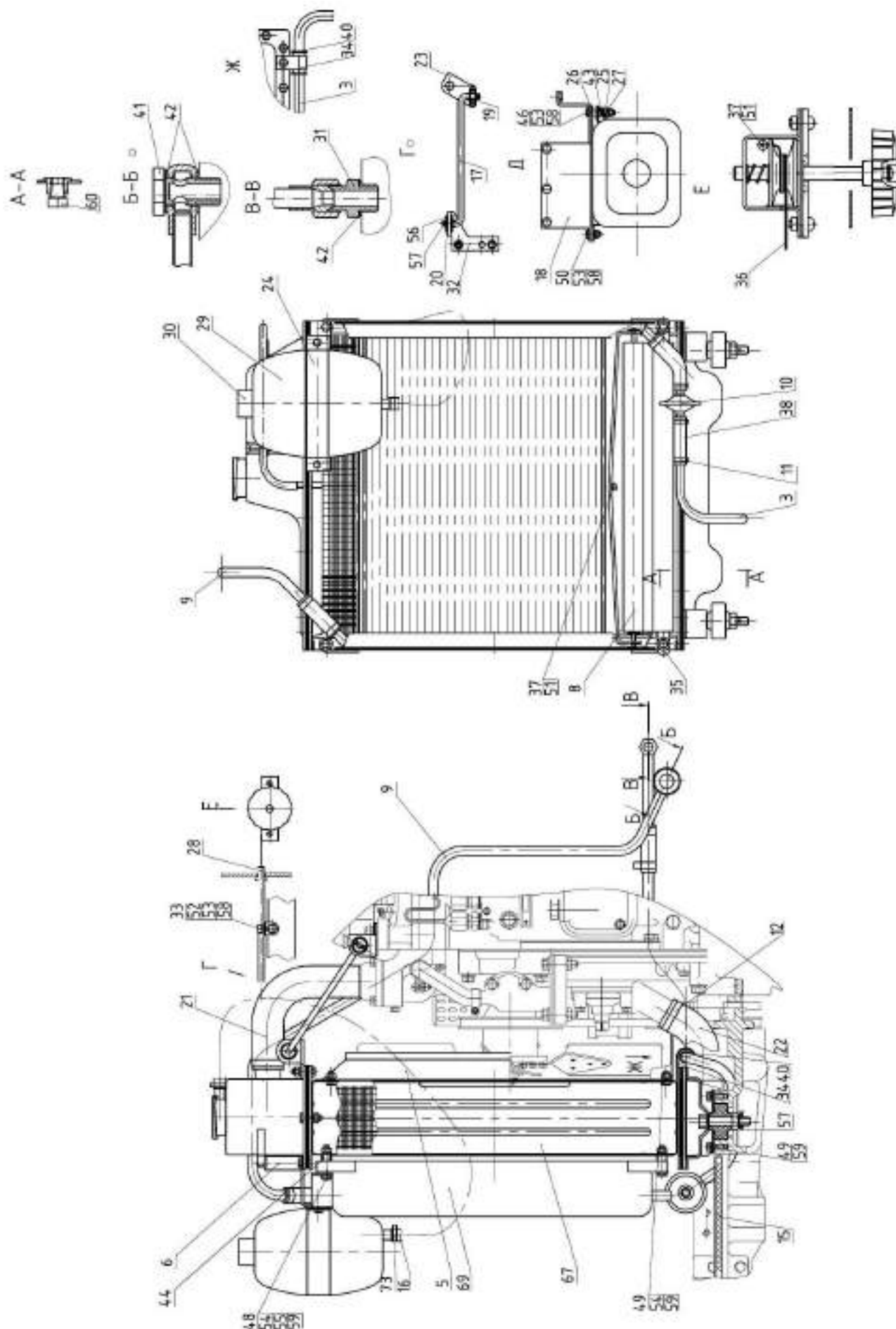


Fig.13.1. Cooling unit (for Belarus-900/900.2/920./920.2/950./950.2/952/952.2)



**Group 13. Cooling system****1301. Cooling unit**

(For Belarus-900/900.2/920./920.2/950./950.2/952/952.2)

| <b>Fig. No.</b> | <b>Pos. No.</b>           | <b>Designation</b>   | <b>Q-ty</b> | <b>Description</b> |
|-----------------|---------------------------|--|-------------|--------------------|
| 13.1            | 67                        | 70Y.13.01.015** or<br>90-1301015** or<br>161.1301010-15**            | 1           | Water radiator     |
|                 |                           | 70Y.13.01.010-01<br>70Y.13.01.010 or<br>90-1301010 or<br>161.1301010 |             |                    |
|                 | 69                        | 245-1405010A   | 1           | Oil radiator       |
| 73              | "NORMA" TORRO 12-20/9-C6W | 2  | Clamp       |                    |

\*\* for tropics

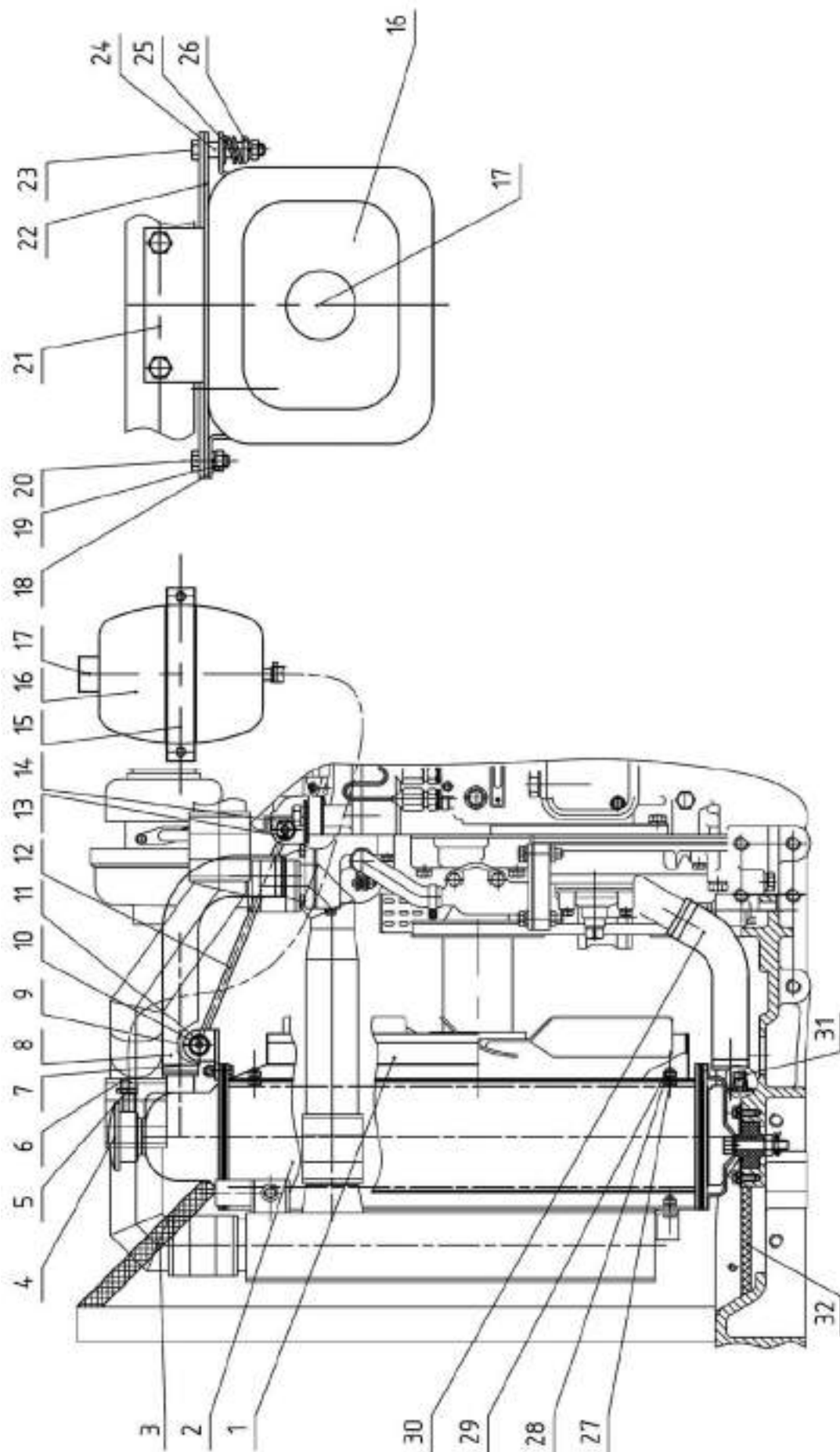


Fig.13.2. Cooling unit (for Д-245.5S2/Д-245.43S2)

**Group 13. Cooling system**  
**Subgroup 1301. Cooling unit (for Д-245.5S2/Д-245.43S2)**

| Fig. No. | Pos. No. | Designation                     | Q-ty   | Description                       |
|----------|----------|---------------------------------|--------|-----------------------------------|
| 13.2     | 1        | 85-1309080                      | 1      | Fan cover                         |
|          | 2        | 1025.13.01.010Б                 | 1      | Water radiator                    |
|          | 3        | 1025.3-1301340                  | 1      | Seal                              |
|          | 4        |                                 | 1      | Plug A21.01.270-1                 |
|          | 5        |                                 | 2      | Clamp "NORMA" TORRO 16-25/9-C6W   |
|          | 6        |                                 | 400 mm | Hose pipe 14x23-1,6 ГОСТ 10362-76 |
|          | 7        |                                 | 4      | Clamp "NORMA" TORRO 32-50/9-C6W   |
|          | 8        | 85-1303010                      | 1      | Hose                              |
|          | 9        | 1520-1302072                    | 1      | Bracket                           |
|          | 10       | 85-1302071                      | 2      | Shock-absorber                    |
|          | 11       | С 8.01.019 ГОСТ 6958-78         | 4      | Washer                            |
|          | 12       | 1025-1302003-Б                  | 1      | Brace                             |
|          | 13       | 3,2x18.019 ГОСТ 397-79          | 4      | Cotter pin                        |
|          | 14       | 80-1302011                      | 1      | Bracket                           |
|          | 15       | 80-1311002                      | 1      | Clamp                             |
|          | 16       | 80П-1311010-А                   | 1      | Expansion tank                    |
|          | 17       | 80П-1311011                     | 1      | Plug                              |
|          | 18       | M6-6H.6.019 ГОСТ 5915-70        | 2      | Nut                               |
|          | 19       | 6Т OCT 37.001.115-75            | 2      | Washer                            |
|          | 20       | M6-6gx16.88.35.019 ГОСТ 7798-70 | 1      | Bolt                              |
|          | 21       | 923-1311001                     | 1      | Bracket                           |
|          | 22       | 80-1311004                      | 1      | Plate                             |
|          | 23       | M6-6gx40.88.35.019 ГОСТ 7795-70 | 1      | Bolt                              |
|          | 24       | 80-1311003                      | 1      | Bush                              |
|          | 25       | 54.06.413                       | 1      | Spring                            |
|          | 26       | 80-1311006                      | 1      | Disk                              |
|          | 27       | M8-6gx16.88.35.019 ГОСТ 7796-70 | 13     | Bolt                              |
|          | 28       | 8Т OCT 37.001.115-75            | 13     | Washer                            |
|          | 29       | M8-6H.6.019 ГОСТ 5915-70        | 12     | Nut                               |
|          | 30       | 85-1303001                      | 1      | Hose                              |
|          | 31       |                                 | 1      | Plug – КГ 1/4".A12.019            |
|          | 32       | 1025.3-1301230                  | 1      | Seal                              |

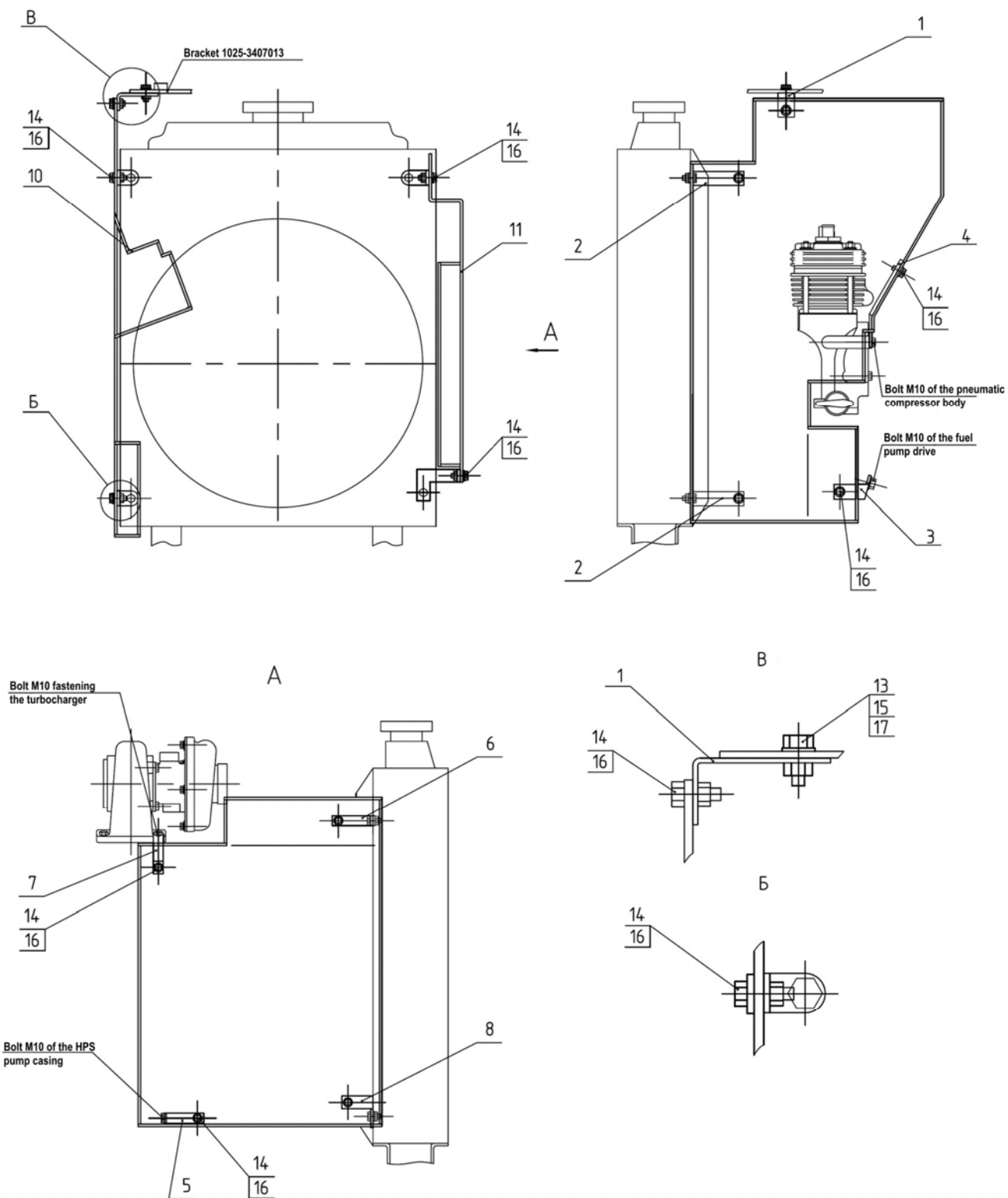


Fig.13.3. Fan guard

**Group 13. Cooling system  
Subgroup 1309. Fan guard**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 13.3            |                 | 1025-1309300                    | 1           | Fan guard          |
|                 | 1               | 1025-1309070                    | 1           | Bracket            |
|                 | 2               | 1025-1309075                    | 2           | Bracket            |
|                 | 3               | 1025-1309075-01                 | 1           | Bracket            |
|                 | 4               | 1025-1309075-02                 | 1           | Bracket            |
|                 | 5               | 1025-1309080                    | 1           | Bracket            |
|                 | 6               | 1025-1309080-01                 | 1           | Bracket            |
|                 | 7               | 1025-1309085                    | 1           | Bracket            |
|                 | 8               | 1025-1309090                    | 1           | Bracket            |
|                 | 10              | 1025-1309041                    | 1           | Left guard         |
|                 | 11              | 1025-1309051-Б                  | 1           | Right guard        |
|                 | 13              | M8-6gx20.88.35.019 ГОСТ 7796-70 | 1           | Bolt               |
|                 | 14              | M6-6gx14.88.35.019 ГОСТ 7798-70 | 9           | Bolt               |

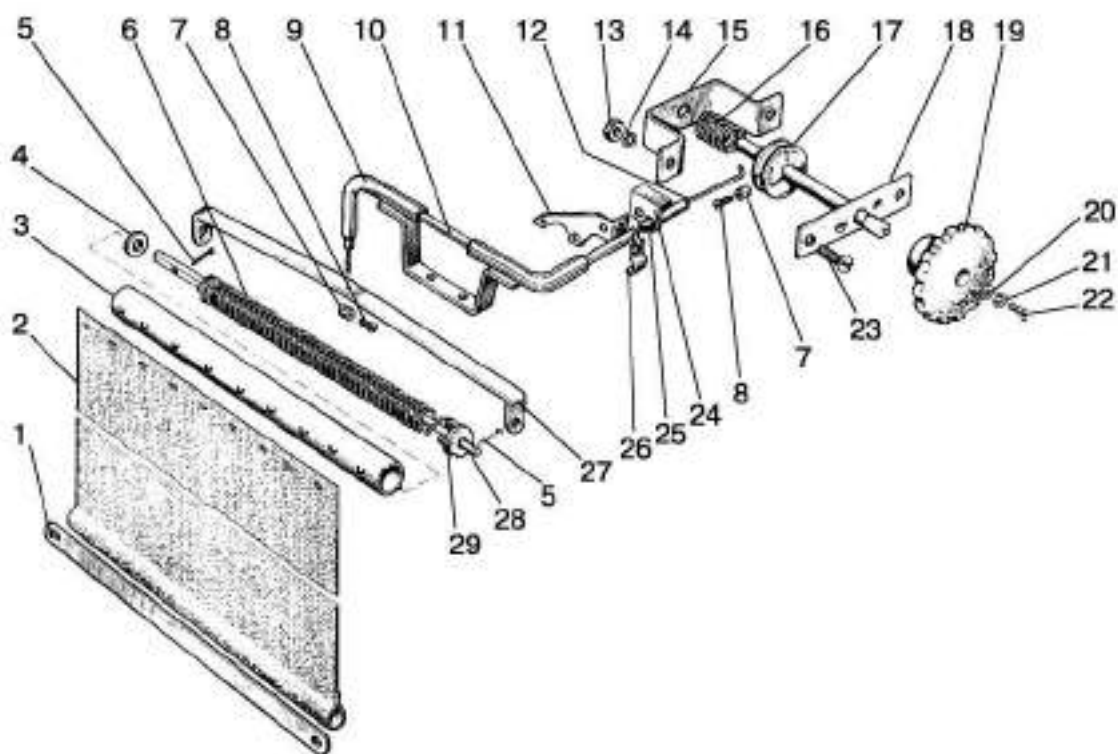


Fig.13.4. Shutter

**Group 13. Cooling system  
Subgroup 1310. Shutter**

| Fig. No. | Pos. No.   | Designation                     | Q-ty | Description    |
|----------|------------|---------------------------------|------|----------------|
| 13.4     |            | 70-1310010-A                    | 1    | Shutter (1-29) |
|          | 1          | 70-1310016                      | 1    | Slat           |
|          | 2          | A09.01.001                      | 1    | Shutter        |
|          | 3          | A09.01.015                      | 1    | Drum           |
|          | 4          | C 6.01.019 ГОСТ 11371-78        | 1    | Washer         |
|          | 5          | 2x12.019 ГОСТ 397-79            | 2    | Cotter pin     |
|          | 6          | A09.01.005                      | 1    | Spring         |
|          | 7          | 70-1310441                      | 2    | Catch          |
|          | 8          | B.M4-6gx8.58.019 ГОСТ 17473-80  | 2    | Screw          |
|          | 9          | 80-1310020                      | 1    | Bracket        |
|          | 10         | 80B-1310007                     | 1    | Shell          |
|          | 11         | 70-4803027                      | 1    | Bracket        |
|          | 12         | 70-1310121-A                    | 1    | Control cord   |
|          | 13         | M6-6H.6.019 ГОСТ 5915-70        | 2    | Nut            |
|          | 14         | 6T OCT 37.001.115-75            | 2    | Washer         |
|          | 15         | 70-1310411                      | 1    | Cramp          |
|          | 16         | A09.01.023                      | 1    | Spring         |
|          | 17         | 70-1310450                      | 1    | Drum           |
|          | 18         | 70-1310412                      | 1    | Slat           |
|          | 19         | 70-1310130-A                    | 1    | Handle         |
|          | 20         | C 5.01.019 ГОСТ 11371-78        | 1    | Washer         |
|          | 21         | 5T OCT 37.001.115-75            | 1    | Washer         |
|          | 22         | B.M5-6gx12.58.019 ГОСТ 17473-80 | 1    | Screw          |
|          | 23         | B.M6-6gx20.58.019 ГОСТ 17473-80 | 2    | Screw          |
|          | 24         | 80-4803026                      | 1    | Bracket        |
|          | 25         | 70-4803022                      | 1    | Bush           |
|          | 26         | 70Л-1024216                     | 1    | Clamp          |
|          | 27         | 70-1310013-A                    | 1    | Slat           |
|          | 28         | A09.01.004                      | 1    | Rod            |
| 29       | A09.01.011 | 1                               | Tip  |                |

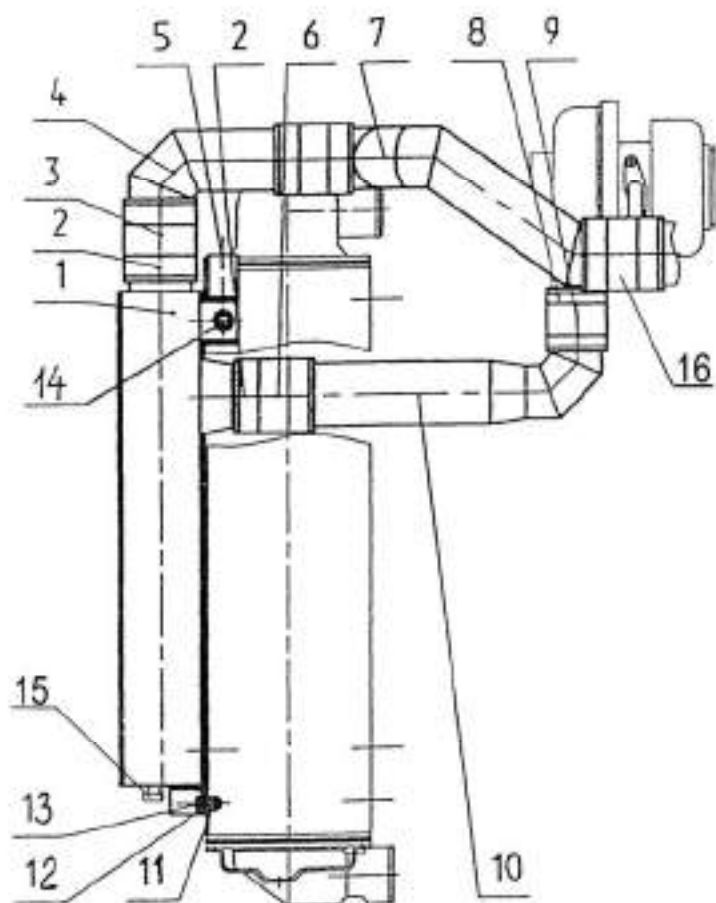


Fig.13.5. Charge air cooler (Д-245.5S2/Д-245.43S2)



**Group 13. Cooling system**  
**Subgroup 1317. Charge air cooler**  
 (Д-245.5S2/Д-245.43S2)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b>              |
|-----------------|-----------------|---------------------------------|-------------|---------------------------------|
| 13.5            | 1               | 1025-1317100                    | 1           | Charge air cooler               |
|                 | 2               | "NORMA" GBS 71/25 W2            | 8           | Clamp                           |
|                 | 3               |                                 | 2           | Silicon branch pipe 60x80, blue |
|                 | 4               | 1025П-1317600                   | 1           | Air duct                        |
|                 | 5               | 1025-1317735                    | 2           | Bracket                         |
|                 | 6               |                                 | 1           | Silicon branch pipe 60x80, red  |
|                 | 7               | 1025-1317610                    | 1           | Air duct                        |
|                 | 8               | "NORMA" GBS 61/20 W2            | 2           | Clamp                           |
|                 | 9               |                                 | 1           | Silicon branch pipe 50x100, red |
|                 | 10              | 1025П-1317620                   | 1           | Air duct                        |
|                 | 11              | M8-6H.6.019 ГОСТ 5915-70        | 2           | Nut                             |
|                 | 12              | C 8.01.019 ГОСТ 6958-78         | 4           | Washer                          |
|                 | 13              | 8Т OCT 37.001.115-75            | 4           | Washer                          |
|                 | 14              | M8-6gx16.88.35.019 ГОСТ 7796-70 | 4           | Bolt                            |
|                 | 15              | КГ 1/4".A12.019 ТУ 23.1.506-91  | 2           | Plug                            |
|                 | 16              |                                 | 1           | Silicon branch pipe 63x80, blue |

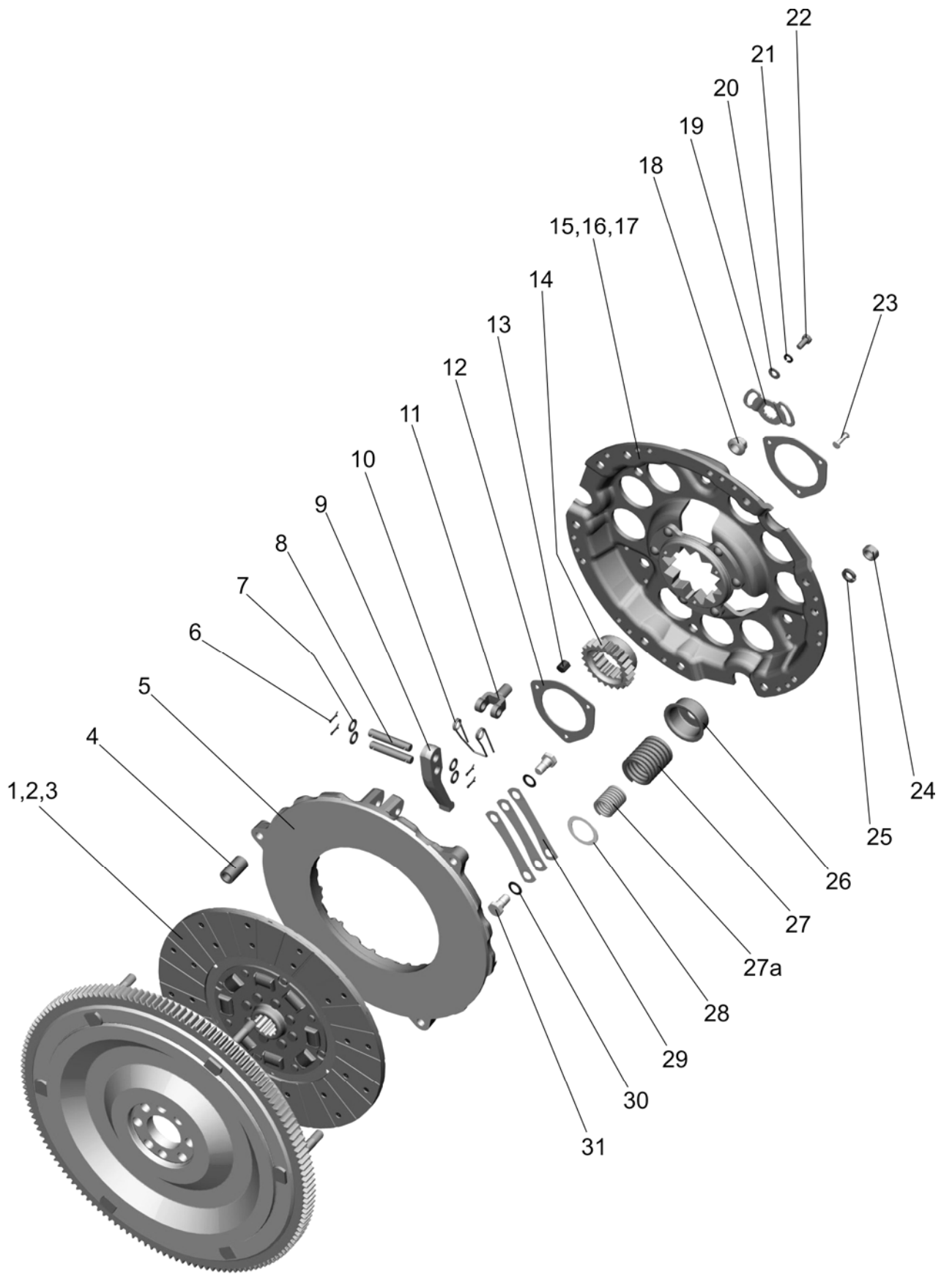


Fig.16.1. Clutch assembly 240-1005009-03  
(without pos.27a: 240-1005009)

**Group 16. Clutch  
Subgroup 1601. Clutch assembly**

| Fig. No        | Pos. No.     | Designation                        | Q-ty        |                |                   | Description   |
|----------------|--------------|------------------------------------|-------------|----------------|-------------------|---|
|                |              |                                    | 900         | 900.3/920.3    |                   |   |
|                |              |                                    | 920         | 950/952        |                   |   |
|                |              |                                    | 920.2       | 952.2/952.3    |                   |   |
|                |              |                                    | 240-1005009 | 240-1005009-03 | 240-1005009-06*   |   |
| 16.1,<br>16.1a |              | 80-1601090-A                       | -           | 1              | -                 | Clutch plate (5-15, 18-31)                          |
|                |              | 80-1601090                         | 1           | -              | 1                 | Clutch plate (5-15, 18-27, 28-31)                   |
|                |              | 85-1601120-B                       | 1           | 1              | 1                 | Backing plate (12-15, 23)                           |
|                | 1            | 85-1601130-01 or<br>85-1601130-02  | 1           | 1              | -                 | Driven plate (includes 2, 3)                        |
|                | 1a           | 80-1601130-A                       | -           | -              | 1                 | Driven plate (includes 2a, 3a)                      |
|                | 2            | 70-1601138-01 or<br>70-1601138-02  | 2           | 2              | -                 | Friction lining (included in 1)                     |
|                | 2a           | 566528                             | -           | -              | 12                | Segment GBV 156400 (7650861d) (in-<br>cluded in 1a) |
|                | 3            | 2-4x8.32 ГОСТ 12642-80             | 24          | 24             | -                 | Rivet (included in 1)                               |
|                | 3a           | 566529                             | -           | -              | 12                | Rivet TT2 7050914 (included in 1a)                  |
|                | 4            | 70-1601074                         | 6           | 6              | 6                 | Bush  |
|                | 5            | 80-1601093                         | 1           | 1              | 1                 | Pressure plate                                      |
|                | 6            | 3,2x18.019 ГОСТ 397-79             | 12          | 12             | 12                | Cotter pin  |
|                | 7            | 85-1601108                         | 12          | 12             | 12                | Washer  |
|                | 8            | 85-1601096                         | 6           | 6              | 6                 | Pin   |
|                | 9            | 85-1601094                         | 3           | 3              | 3                 | Clutch lever  |
|                | 10           | 85-1601083                         | 3           | 3              | 3                 | Spring  |
|                | 11           | 85-1601097                         | 3           | 3              | 3                 | Fork  |
|                | 12           | 70-1601062                         | 2           | 2              | 2                 | Washer  |
|                | 13           | 70-1601091                         | 12          | 12             | 12                | Damper  |
|                | 14           | 70-1601053                         | 1           | 1              | 1                 | Bush  |
|                | 15           | 85-1601125-B                       | 1           | 1              | 1                 | Backing plate (assembled with 16 and 17)            |
|                | 16           | 70-1601051                         | 1           | 1              | 1                 | Hub (included in 15)                                |
|                | 17           | 8x22.01 ГОСТ 10299-80              | 6           | 6              | 6                 | Rivet (included in 15)                              |
|                | 18           | 85-1601109-A                       | 3           | 3              | 3                 | Adjusting nut                                       |
|                | 19           | 85-1601086                         | 3           | 3              | 3                 | Retaining washer                                    |
|                | 20           | C 8.01.019 ГОСТ 11371-78           | 6           | 6              | 6                 | Washer  |
|                | 21           | 8T OCT 37.001.115-75               | 6           | 6              | 6                 | Washer  |
|                | 22           | M8-6gx16.88.35.019<br>ГОСТ 7796-70 | 6           | 6              | 6                 | Bolt  |
|                | 23           | 6x30.01 ГОСТ 10299-80              | 3           | 3              | 3                 | Rivet   |
|                | 24           | M12x1,25-6H.6.019<br>ГОСТ 5915-70  | 9           | 9              | 9                 | Nut   |
|                | 25           | 12 OT OCT 37.001.115-75            | 9           | 9              | 9                 | Washer  |
| 26             | 85-1601072-B | 9                                  | 9           | 9              | Cage              |   |
| 27             | 85-1601115   | 9                                  | 9           | 9              | Spring            |   |
| 27a            | 77.55.121-1  | -                                  | 6           | -              | Spring            |   |
| 28             | 85-1601118-B | 9                                  | 9           | 9              | Insulating washer |   |
| 29             | 85-1601124   | 9                                  | 9           | 9              | Plate             |   |
| 30             | 85-1601121   | 6                                  | 6           | 6              | Washer            |   |
| 31             | 85-1601126   | 6                                  | 6           | 6              | Bolt              |   |

\*optionally

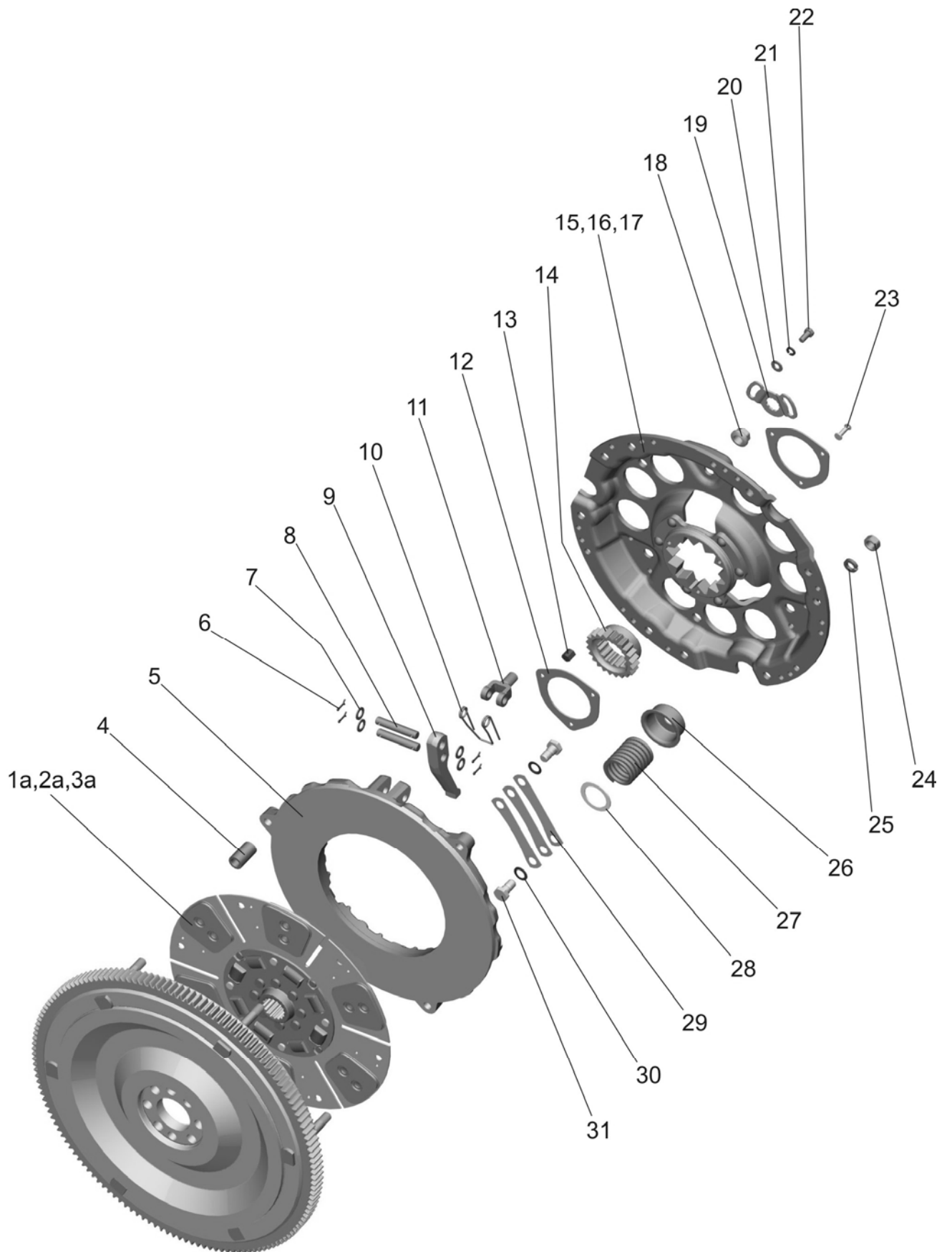


Fig.16.1a. Clutch assembly 240-1005009-06

**Group 16. Clutch  
Subgroup 1601. Clutch assembly**

| Fig. No        | Pos. No.     | Designation                        | Q-ty        |                |                   | Description   |
|----------------|--------------|------------------------------------|-------------|----------------|-------------------|---|
|                |              |                                    | 900         | 900.3/920.3    |                   |   |
|                |              |                                    | 920         | 950/952        |                   |   |
|                |              |                                    | 920.2       | 952.2/952.3    |                   |   |
|                |              |                                    | 240-1005009 | 240-1005009-03 | 240-1005009-06*   |   |
| 16.1,<br>16.1a |              | 80-1601090-A                       | -           | 1              | -                 | Clutch plate (5-15, 18-31)                          |
|                |              | 80-1601090                         | 1           | -              | 1                 | Clutch plate (5-15, 18-27, 28-31)                   |
|                |              | 85-1601120-B                       | 1           | 1              | 1                 | Backing plate (12-15, 23)                           |
|                | 1            | 85-1601130-01 or<br>85-1601130-02  | 1           | 1              | -                 | Driven plate (includes 2, 3)                        |
|                | 1a           | 80-1601130-A                       | -           | -              | 1                 | Driven plate (includes 2a, 3a)                      |
|                | 2            | 70-1601138-01 or<br>70-1601138-02  | 2           | 2              | -                 | Friction lining (included in 1)                     |
|                | 2a           | 566528                             | -           | -              | 12                | Segment GBV 156400 (7650861d) (in-<br>cluded in 1a) |
|                | 3            | 2-4x8.32 ГОСТ 12642-80             | 24          | 24             | -                 | Rivet (included in 1)                               |
|                | 3a           | 566529                             | -           | -              | 12                | Rivet TT2 7050914 (included in 1a)                  |
|                | 4            | 70-1601074                         | 6           | 6              | 6                 | Bush  |
|                | 5            | 80-1601093                         | 1           | 1              | 1                 | Pressure plate                                      |
|                | 6            | 3,2x18.019 ГОСТ 397-79             | 12          | 12             | 12                | Cotter pin  |
|                | 7            | 85-1601108                         | 12          | 12             | 12                | Washer  |
|                | 8            | 85-1601096                         | 6           | 6              | 6                 | Pin   |
|                | 9            | 85-1601094                         | 3           | 3              | 3                 | Clutch lever  |
|                | 10           | 85-1601083                         | 3           | 3              | 3                 | Spring  |
|                | 11           | 85-1601097                         | 3           | 3              | 3                 | Fork  |
|                | 12           | 70-1601062                         | 2           | 2              | 2                 | Washer  |
|                | 13           | 70-1601091                         | 12          | 12             | 12                | Damper  |
|                | 14           | 70-1601053                         | 1           | 1              | 1                 | Bush  |
|                | 15           | 85-1601125-B                       | 1           | 1              | 1                 | Backing plate (assembled with 16 and 17)            |
|                | 16           | 70-1601051                         | 1           | 1              | 1                 | Hub (included in 15)                                |
|                | 17           | 8x22.01 ГОСТ 10299-80              | 6           | 6              | 6                 | Rivet (included in 15)                              |
|                | 18           | 85-1601109-A                       | 3           | 3              | 3                 | Adjusting nut                                       |
|                | 19           | 85-1601086                         | 3           | 3              | 3                 | Retaining washer                                    |
|                | 20           | C 8.01.019 ГОСТ 11371-78           | 6           | 6              | 6                 | Washer  |
|                | 21           | 8T OCT 37.001.115-75               | 6           | 6              | 6                 | Washer  |
|                | 22           | M8-6gx16.88.35.019<br>ГОСТ 7796-70 | 6           | 6              | 6                 | Bolt  |
|                | 23           | 6x30.01 ГОСТ 10299-80              | 3           | 3              | 3                 | Rivet   |
|                | 24           | M12x1,25-6H.6.019<br>ГОСТ 5915-70  | 9           | 9              | 9                 | Nut   |
|                | 25           | 12 OT OCT 37.001.115-75            | 9           | 9              | 9                 | Washer  |
| 26             | 85-1601072-B | 9                                  | 9           | 9              | Cage              |   |
| 27             | 85-1601115   | 9                                  | 9           | 9              | Spring            |   |
| 27a            | 77.55.121-1  | -                                  | 6           | -              | Spring            |   |
| 28             | 85-1601118-B | 9                                  | 9           | 9              | Insulating washer |   |
| 29             | 85-1601124   | 9                                  | 9           | 9              | Plate             |   |
| 30             | 85-1601121   | 6                                  | 6           | 6              | Washer            |   |
| 31             | 85-1601126   | 6                                  | 6           | 6              | Bolt              |   |

\*optionally

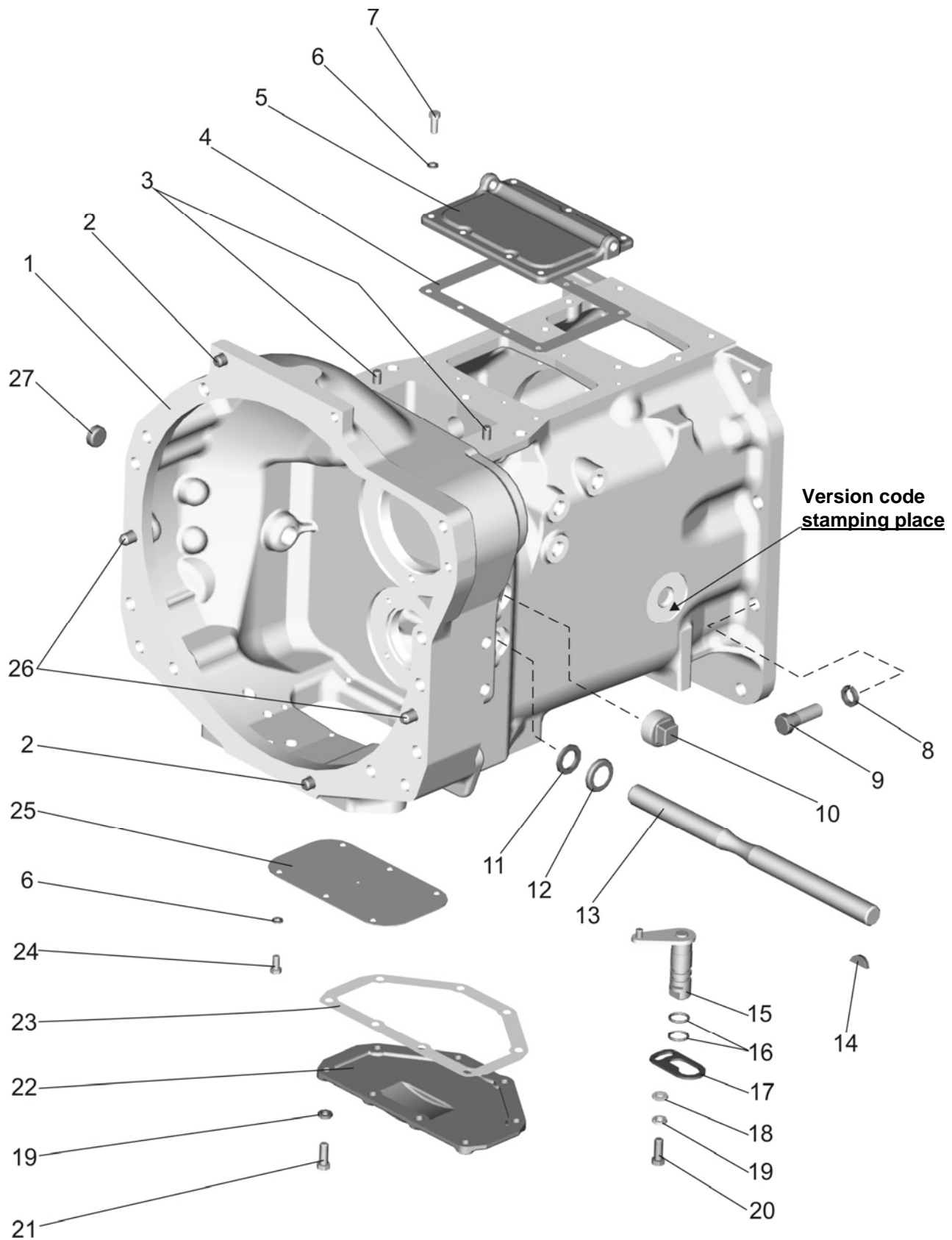


Fig.16.2. Clutch casing

**Group 16. Clutch  
Subgroup 1601. Clutch casing**

| Fig. No. | Pos. No. | Designation    | Q-ty                 |                |                                | Description   | Remarks                |
|----------|----------|----------------|----------------------|----------------|--------------------------------|---|------------------------|
|          |          |                | 900<br>920/<br>920.2 | 900.3<br>920.3 | 950/<br>952<br>952.2/<br>952.3 |   |                        |
| 16.2     |          | 74-1600010     | 1                    | -              | -                              | Clutch casing<br>( $n_{eng}=2200^{rpm}$ , synchronized splitter)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-32; <b>Fig.16.5:</b> 1-8;<br><b>Fig.17.2:</b> 1-7, 8, 9.  | Version code <b>10</b> |
|          |          | 74-1600010-02  | -                    | 1*             | 1                              | Clutch casing<br>( $n_{eng}=1800^{rpm}$ , synchronized splitter)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5a:</b> 1a, 2a, 3-8;<br><b>Fig.17.2:</b> 1-,7, 8, 9.     | Version code <b>12</b> |
|          |          | 74-1600010-03  | -                    | 1              | 1*                             | Clutch casing<br>( $n_{eng}=1800^{rpm}$ , synchronized multiplier)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5a:</b> 1a, 2a, 3-8.<br><b>Fig.17.2:</b> 1-7, 8a, 9.   | Version code <b>13</b> |
|          |          | 70-1600010     | 1*                   | -              | -                              | Clutch casing<br>( $n_{eng}=2200^{rpm}$ , mechanical splitter)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-32; <b>Fig.16.5:</b> 1-8;<br><b>Fig.17.1:</b> 1-7, 8, 9, 10.  | Version code -         |
|          |          | 50-1600010-06  | -                    | 1*             | 1*                             | Clutch casing<br>( $n_{eng}=1800^{rpm}$ , mechanical splitter)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5a:</b> 1a, 2a, 3-8;<br><b>Fig.17.1:</b> 1-7, 8, 9, 10.    | Version code <b>06</b> |
|          |          | 50-1600010-08  | -                    | 1*             | 1*                             | Clutch casing<br>( $n_{eng}=1800^{rpm}$ , mechanical multiplier)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5a:</b> 1a, 2a, 3-8;<br><b>Fig.17.1:</b> 1-7, 8a, 9, 10. | Version code <b>08</b> |
|          |          | P70-1600010    | 1*                   | -              | -                              | Clutch casing<br>( $n_{eng}=2200^{rpm}$ , reverse gear)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5:</b> 1-8;<br><b>Fig.17.4:</b> 1-10, 17-19, 25-27.               | Version code <b>20</b> |
|          |          | P70-1600010-02 | -                    | 1*             | 1*                             | Clutch casing<br>( $n_{eng}=1800^{rpm}$ , reverse gear)<br><b>Fig.16.2:</b> 1, 3-7, 10-25; <b>Fig.16.3:</b> 3-8;<br><b>Fig.16.4:</b> 1-5, 6a, 7-10, 11a, 12-26, 27a, 28a, 29a,30a, 31a, 32; <b>Fig.16.5a:</b> 1a, 2a, 3-8;<br><b>Fig.17.4:</b> 1-10, 17-19, 25-27.      | Version code <b>22</b> |

\* Optionally

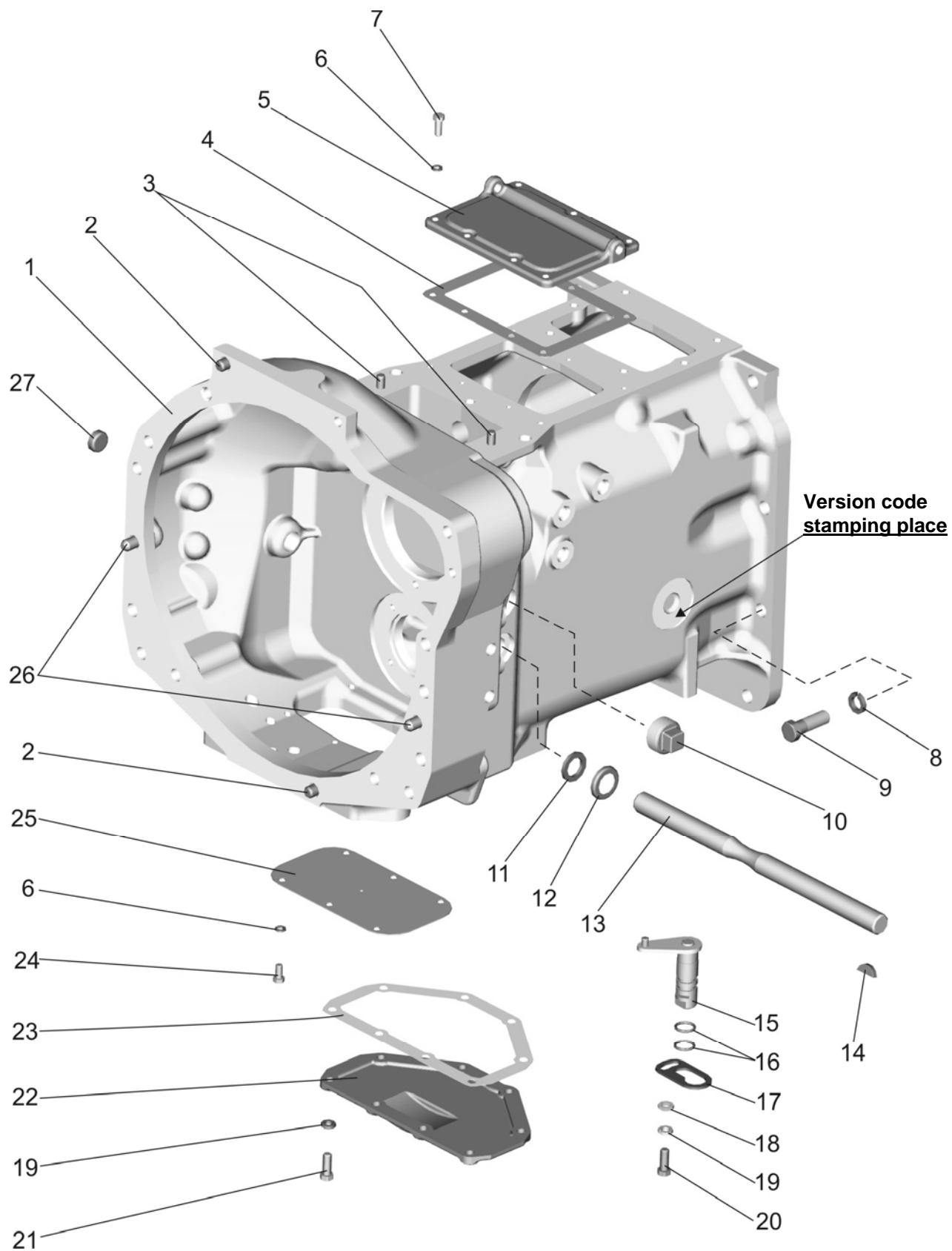


Fig.16.2. Clutch casing



**Group 16. Clutch  
Subgroup 1601. Clutch casing**

| Fig. No. | Pos. No.   | Designation                                      | Q-ty             |                |                        | Description         | Remarks |
|----------|------------|--|------------------|----------------|------------------------|---------------------|---------|
|          |            |  | 900<br>920/920.2 | 900.3<br>920.3 | 950/952<br>952.2/952.3 |                     |         |
| 16.2     | 1          | 70-1601015                                       | 1                | 1              | 1                      | Clutch casing       |         |
|          |            | 70-1601015-03                                    | 1**              | 1**            | 1**                    | Clutch casing       |         |
|          |            | 70-1601015-04                                    | 1***             | 1***           | 1***                   | Clutch casing       |         |
|          | 2          | Д01-015  | 2                | 2              | 2                      | Setting pin         |         |
|          | 3          | ШЦК 10x25  | 2                | 2              | 2                      | Pin                 |         |
|          | 4          | 50-1601345                                       | 1                | 1              | 1                      | Gasket              |         |
|          | 5          | 70-1601344                                       | 1                | 1              | 1                      | Cover               |         |
|          | 6          | 8Т ОСТ 37.001.115-75                             | 11               | 11             | 11                     | Washer              |         |
|          | 7          | М8-6gx20.88.35.019<br>ГОСТ 7796-70               | 7                | 7              | 7                      | Bolt                |         |
|          | 8          | 16 ОТ<br>ОСТ 37.001.115-75                       | 10               | 10             | 10                     | Washer              |         |
|          | 9          | М16-6gx50.88.35.019<br>ГОСТ 7796-70              | 10               | 10             | 10                     | Bolt                |         |
|          | 10         | ПК КГ 1¼"  | 1                | 1              | 1                      | Plug                |         |
|          | 11         | 80-4608024                                       | 1                | 1              | 1                      | Ring                |         |
|          | 12         | 36-1601016                                       | 1                | 1              | 1                      | Dust deflector body |         |
|          | 13         | 50-1601215                                       | 1                | 1              | 1                      | Shaft               |         |
|          | 14         | СШ-611   | 1                | 1              | 1                      | Key 6x11            |         |
|          | 15         | 70-1601140                                       | 1                | 1              | 1                      | Roller              |         |
|          | 16         | 020-025-30-1-4<br>ГОСТ 18829-73/<br>ГОСТ 9833-73 | 2                | 2              | 2                      | Ring                |         |
|          | 17         | 80-1601099                                       | 1                | 1              | 1                      | Plate               |         |
|          | 18         | С 10.01.019<br>ГОСТ 11371-78                     | 1                | 1              | 1                      | Washer              |         |
|          | 19         | 10 ОТ<br>ОСТ 37.001.115-75                       | 9                | 9              | 9                      | Washer              |         |
|          | 20         | М10-6gx20.88.35.019<br>ГОСТ 7796-70              | 1                | 1              | 1                      | Bolt                |         |
|          | 21         | М10-6gx25.88.35.019<br>ГОСТ 7796-70              | 8                | 8              | 8                      | Bolt                |         |
|          | 22         | 50-1601315                                       | 1                | 1              | 1                      | Cover               |         |
|          | 23         | 70-1601314                                       | 2                | 2              | 2                      | Gasket              |         |
|          | 24         | М8-6gx16.88.35.019<br>ГОСТ 7796-70               | 4                | 4              | 4                      | Bolt                |         |
|          | 25         | 50-1601341                                       | 1                | 1              | 1                      | Cover               |         |
| 26       | 50-1601352 | 2  | 2                | 2              | Setting pin            |                     |         |
| 27       | 50-1601022 | 1  | 1                | 1              | Choke                  |                     |         |

\*\*Optionally (except for versions with reverse gear)

\*\*\*For versions with reverse gear

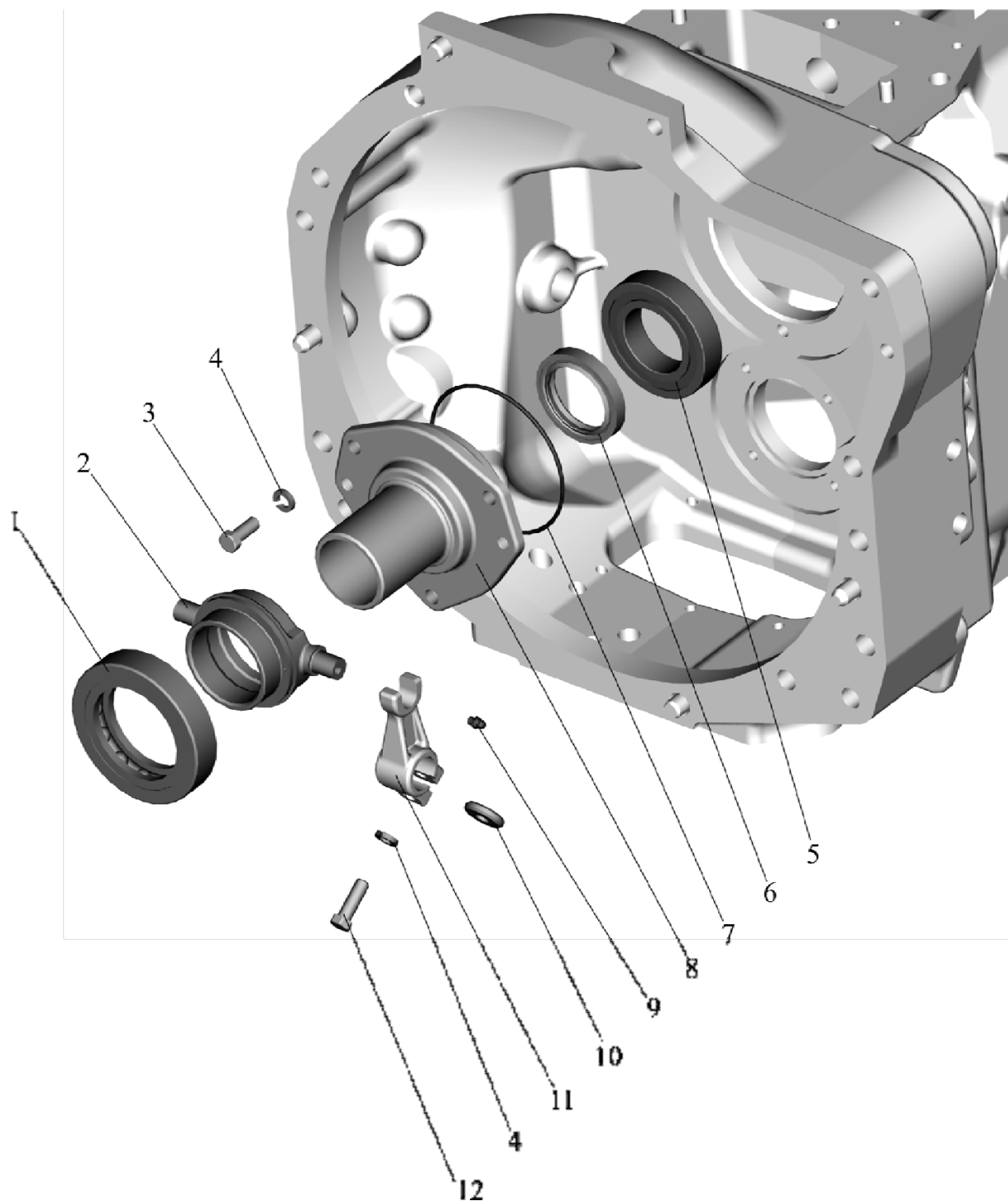


Fig.16.3. Clutch casing. Shifter.

**Group 16. Clutch  
Subgroup 1601. Clutch casing. Shifter.**

| <b>Fig. No</b> | <b>Pos. No.</b> | <b>Designation</b>                      | <b>Q-ty</b> | <b>Description</b>                 |
|----------------|-----------------|---|-------------|------------------------------------|
| 16.3           | 1               | 986714K1C23                             | 1           | Bearing                            |
|                | 2               | 50-1601185-A                            | 1           | Shifter                            |
|                | 3               | M10-6gx25.88.35.019 ГОСТ 7796-70        | 3           | Bolt                               |
|                | 4               | 10 OT OCT 37.001.115-75                 | 5           | Washer                             |
|                | 5               | 60210 АУШ1 ГОСТ 7242-81                 | 1           | Bearing                            |
|                | 6               | 240-1002055                             | 1           | Cuff (included in 8)               |
|                | 7               | 110-115-30-1-4<br>ГОСТ 18829-73/9833-73 | 1           | Ring                               |
|                | 8               | 50-1601172-A                            | 1           | Shifter bracket (assembled with 6) |
|                | 9               | 1.1.Ц9.xp ГОСТ 19853-74                 | 1           | Greaser                            |
|                | 10              | 50-1601218                              | 2           | Key                                |
|                | 11              | 50-1601203                              | 2           | Fork                               |
|                | 12              | M10-6gx30.88.35.019 ГОСТ 7796-70        | 2           | Bolt                               |

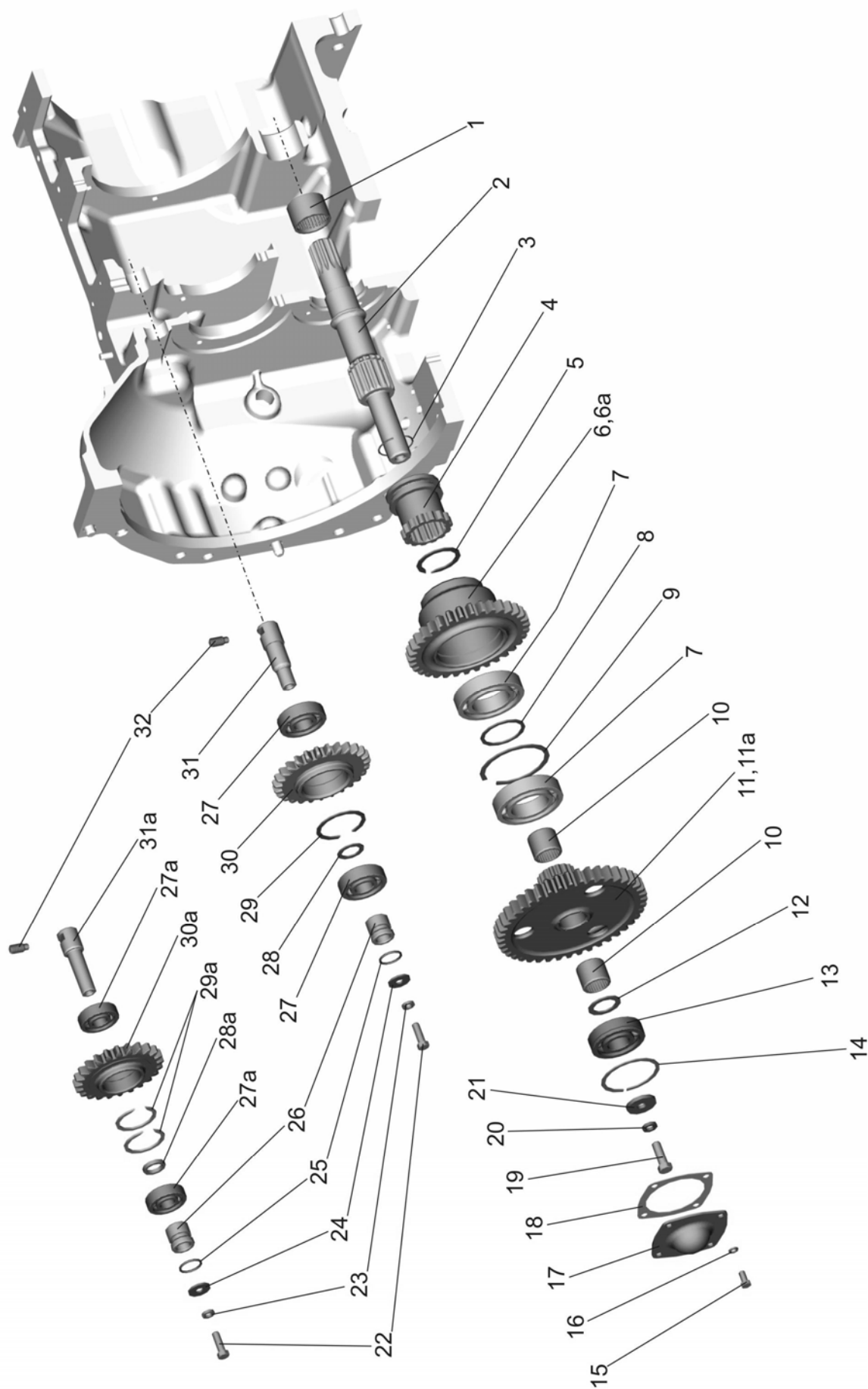


Fig.16.4. Clutch casing (PTO drive, mounted attachment hydraulic system pump drive)

**Group 16. Clutch  
Subgroup 1601. Clutch casing  
(PTO drive, mounted attachment hydraulic system pump drive)**

| Fig. No | Pos. No. | Designation                         | Quantity                                |  | Description                    |                |
|---------|----------|-------------------------------------|---|--|--------------------------------|----------------|
|         |          |                                     | 900<br>920/920.2                        | 900.3<br>920.3<br>950/952<br>952.2/952.3 |                                |                |
| 16.4    |          | 70-1601240-Б                        | 1                                       | -  | PTO gear block (5-11)          |                |
|         |          | 50-1601240                          | -                                       | 1  | PTO gear block (5,6a,7-10,11a) |                |
|         |          | 70-1601330                          | 1                                       | -  | Gear (27-30)                   |                |
|         |          | 50-1601330-A                        | -                                       | 1  | Gear (27a, 28a, 29a, 30a)      |                |
|         | 1        |                                     | 942/40 ГОСТ 4060-78                     | 1  | 1                              | Bearing        |
|         | 2        |                                     | 70-1601021-Б                            | 1  | 1                              | Driven shaft   |
|         | 3        |                                     | 70-1601076                              | 1  | 1                              | Ring           |
|         | 4        |                                     | 70-1601081                              | 1  | 1                              | Clutch         |
|         | 5        |                                     | 2С50 ГОСТ 13940-86                      | 1  | 1                              | Ring           |
|         | 6        |                                     | 70-1601086-Б                            | 1  | -                              | PTO drive gear |
|         | 6a       |                                     | 50-1601086                              | -  | 1                              | PTO drive gear |
|         | 7        |                                     | 210 АУШ1 ГОСТ 8338-75                   | 2  | 2                              | Bearing        |
|         | 8        |                                     | 70-1601083                              | 1  | 1                              | Spacer washer  |
|         | 9        |                                     | 2С90 ГОСТ 13941-86                      | 1  | 1                              | Ring           |
|         | 10       |                                     | 943/30 ГОСТ 4060-78                     | 2  | 2                              | Bearing        |
|         | 11       |                                     | 70-1601088-Б                            | 1  | -                              | PTO drive gear |
|         | 11a      |                                     | 50-1601088-Б                            | -  | 1                              | PTO drive gear |
|         | 12       |                                     | 70-1601082                              | 1  | 1                              | Washer         |
|         | 13       |                                     | 6-50306K<br>ГОСТ8338-75/ГОСТ2893-82     | 1  | 1                              | Bearing        |
|         | 14       |                                     | 72 ГОСТ 2893-82                         | 1  | 1                              | Ring           |
|         | 15       |                                     | M8-6gx16.88.35.019<br>ГОСТ 7796-70      | 4  | 4                              | Bolt           |
|         | 16       |                                     | 8Т OCT 37.001.115-75                    | 4  | 4                              | Washer         |
|         | 17       |                                     | 50-1601089                              | 1  | 1                              | Cover          |
|         | 18       |                                     | 50-1601091                              | 1  | 1                              | Gasket         |
|         | 19       |                                     | M12-6gx35.88.35.019<br>ГОСТ 7796-70     | 1  | 1                              | Bolt           |
|         | 20       |                                     | 12 OT OCT 37.001.115-75                 | 1  | 1                              | Washer         |
|         | 21       |                                     | 50-1601038                              | 1  | 1                              | Washer         |
|         | 22       |                                     | M10-6gx30.88.35.019<br>ГОСТ 7796-70     | 1  | 1                              | Bolt           |
|         | 23       |                                     | 10 OT OCT 37.001.115-75                 | 1  | 1                              | Washer         |
|         | 24       |                                     | C 10x6.01.019 ГОСТ 6958-78              | 1  | 1                              | Washer         |
|         | 25       |                                     | 025-030-30-1-4<br>ГОСТ 18829-73/9833-73 | 1  | 1                              | Ring           |
|         | 26       |                                     | 50-1601336                              | 1  | 1                              | Bush           |
| 27      |          | 305A ГОСТ 8338-75                   | 2                                       | -  | Bearing                        |                |
| 27a     |          | 304A ГОСТ 8338-75                   | -                                       | 2  | Bearing                        |                |
| 28      |          | 70-1601333                          | 1                                       | -  | Ring                           |                |
| 28a     |          | 50-1601333                          | -                                       | 1  | Spacer washer                  |                |
| 29      |          | 2С62 ГОСТ 13941-86                  | 1                                       | -  | Ring                           |                |
| 29a     |          | 50-1701464                          | -                                       | 2  | Spring ring                    |                |
| 30      |          | 70-1601331                          | 1                                       | -  | Gear                           |                |
| 30a     |          | 50-1601331-A                        | -                                       | 1  | Intermediate gear              |                |
| 31      |          | 70-1601335                          | 1                                       | -  | Shaft                          |                |
| 31a     |          | 50-1601335                          | -                                       | 1  | Gear shaft                     |                |
| 32      |          | B.M12-6gx25.14H.019<br>ГОСТ 1478-93 | 1                                       | 1  | Screw                          |                |

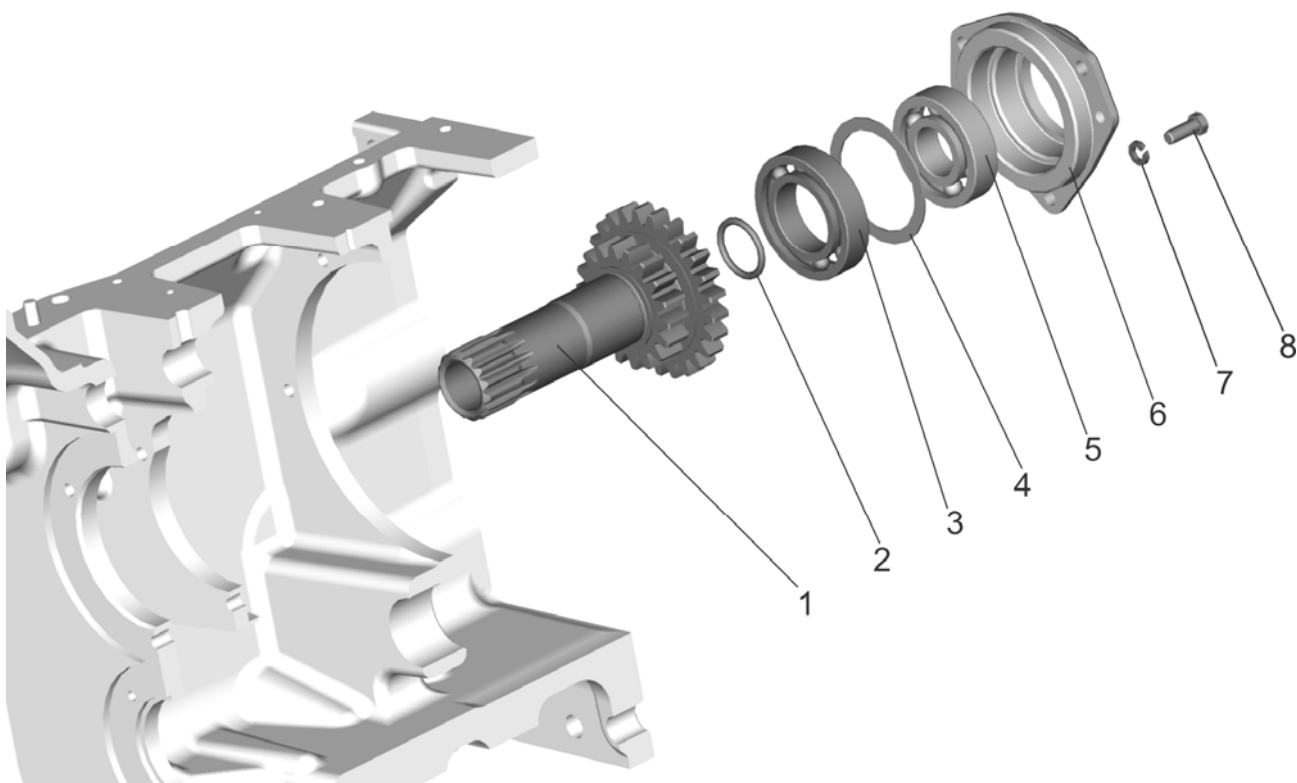


Fig.16.5. Clutch casing. PTO drive. ( $n_{eng}=2200$  rpm)

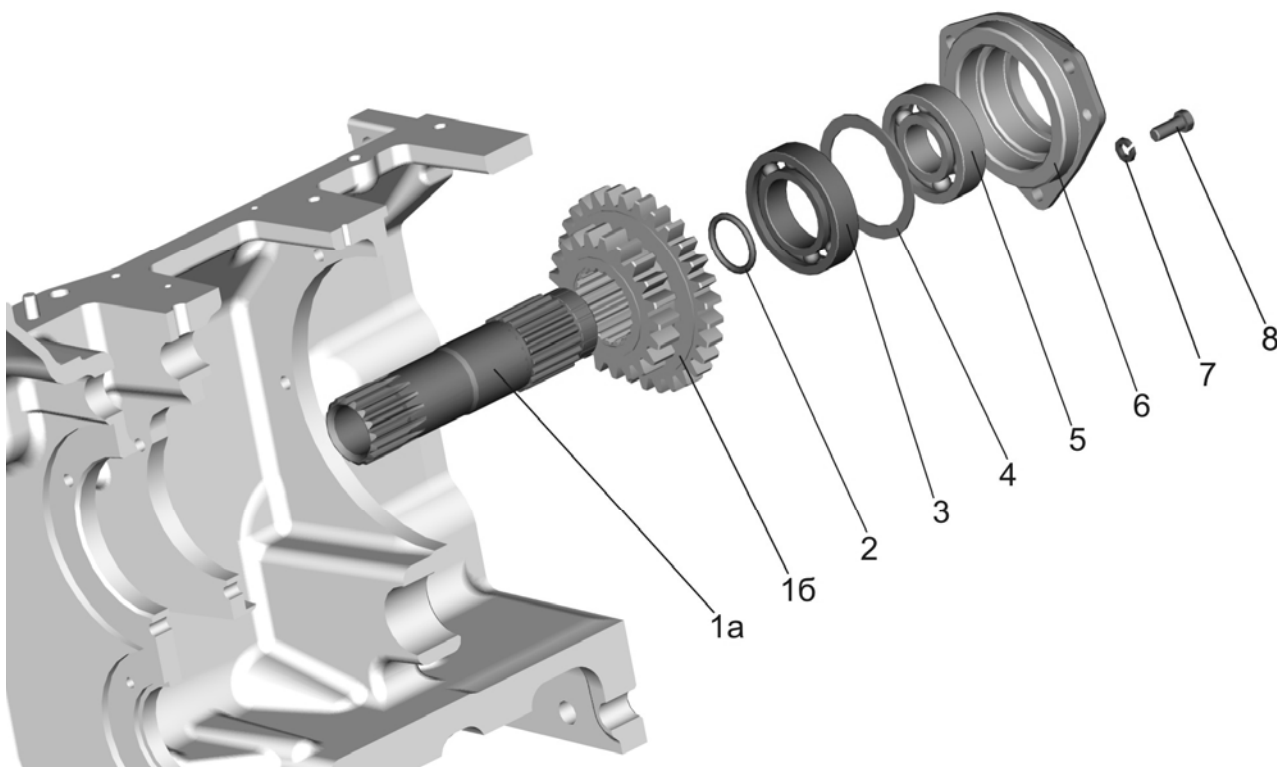


Fig.16.5a. Clutch casing. PTO drive. ( $n_{eng}=1800$  rpm)

**Group 16. Clutch  
Subgroup 1601. Clutch casing. PTO drive.**

| Fig. No        | Pos. No.                            | Designation             | Q-ty             |  | Description     |
|----------------|-------------------------------------|-------------------------|------------------|--|-----------------|
|                |                                     |                         | 900<br>920/920.2 | 900.3<br>920.3<br>950/952<br>952.2/952.3 |                 |
| 16.5,<br>16.5a | 1                                   | 70-1601026              | 1                | -  | PTO drive shaft |
|                | 1a                                  | 50-1601023              | -                | 1  | Shaft           |
|                | 1б                                  | 50-1601024              | -                | 1  | Gear            |
|                | 2                                   | 50-1601321              | 1                | 1  | Seal ring       |
|                | 3                                   | 210 АУШ1 GOST8338-75    | 1                | 1  | Bearing         |
|                | 4                                   | 50-1601027              | 1                | 1  | Thrust washer   |
|                | 5                                   | 307A ГОСТ 8338-75       | 1                | 1  | Bearing         |
|                | 6                                   | 70-1601028              | 1                | 1  | Bracket         |
|                | 7                                   | 10 OT OCT 37.001.115-75 | 3                | 3  | Washer          |
| 8              | M10-6gx25.88.35.019<br>ГОСТ 7796-70 | 3                       | 3                | Bolt                                     |                 |

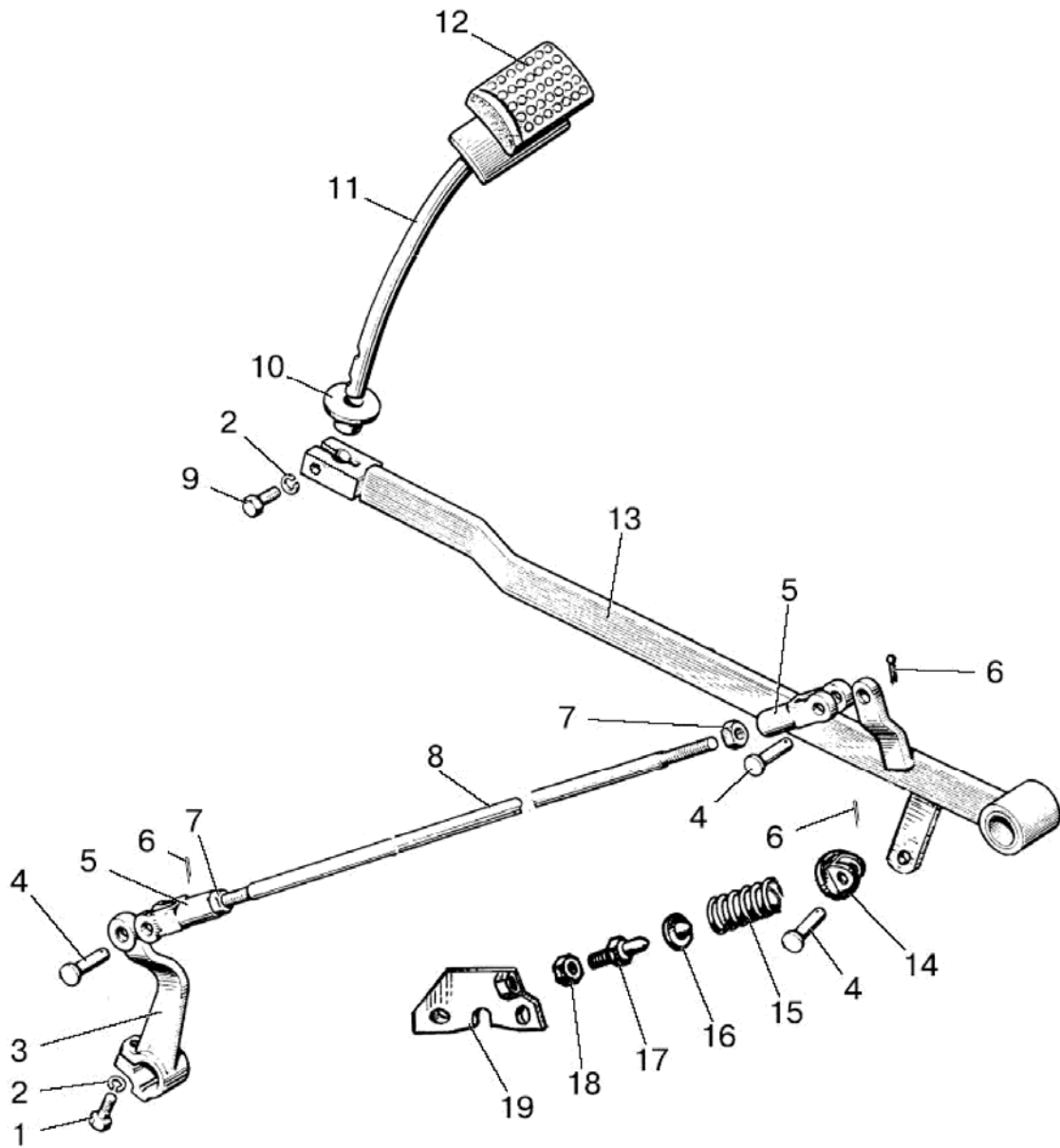


Fig.16.6. Clutch control



**Group 16. Clutch  
Subgroup 1602. Clutch control**

| <b>Fig. No.</b> | <b>Pos. No.</b>           | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b>    |
|-----------------|---------------------------|----------------------------------|-------------|-----------------------|
| 16.6            |                           | 80-1602010-Б                     | 1           | Clutch control (1-19) |
|                 |                           | 85-1602110-Б                     | 1           | Rod (5,7,8)           |
|                 | 1                         | M12-6gx35.88.35.019 ГОСТ 7796-70 | 1           | Bolt                  |
|                 | 2                         | 12 OT OCT 37.001.115-75          | 2           | Washer                |
|                 | 3                         | 80-1601219-Б                     | 1           | Lever                 |
|                 | 4                         | 12x32 OCT 37.001.163-75          | 3           | Pin                   |
|                 | 5                         | 50-3502203                       | 2           | Fork                  |
|                 | 6                         | 3,2x18.019 ГОСТ 397-79           | 3           | Cotter pin            |
|                 | 7                         | M12x1,25-6H.6.019 ГОСТ 5915-70   | 2           | Nut                   |
|                 | 8                         | 85-1602112-Б                     | 1           | Rod                   |
|                 | 9                         | M12-6gx30.88.35.019 ГОСТ 7796-70 | 1           | Bolt                  |
|                 | 10                        | 80-3503158-A                     | 1           | Seal                  |
|                 | 11                        | 80-1602040-Б                     | 1           | Pad rod               |
|                 | 12                        | A13.33.002                       | 1           | Boot                  |
|                 | 13                        | 80-1602020-Б1                    | 1           | Pedal                 |
|                 | 14                        | 50-1602027                       | 1           | Stop                  |
|                 | 15                        | 50-1602032                       | 1           | Spring                |
|                 | 16                        | 50-1602029                       | 1           | Stop                  |
|                 | 17                        | 80-1602033                       | 1           | Stop bolt             |
| 18              | M16-6H.6.019 ГОСТ 5915-70 | 1                                | Nut         |                       |
| 19              | 80-1602075-Б              | 1                                | Bracket     |                       |

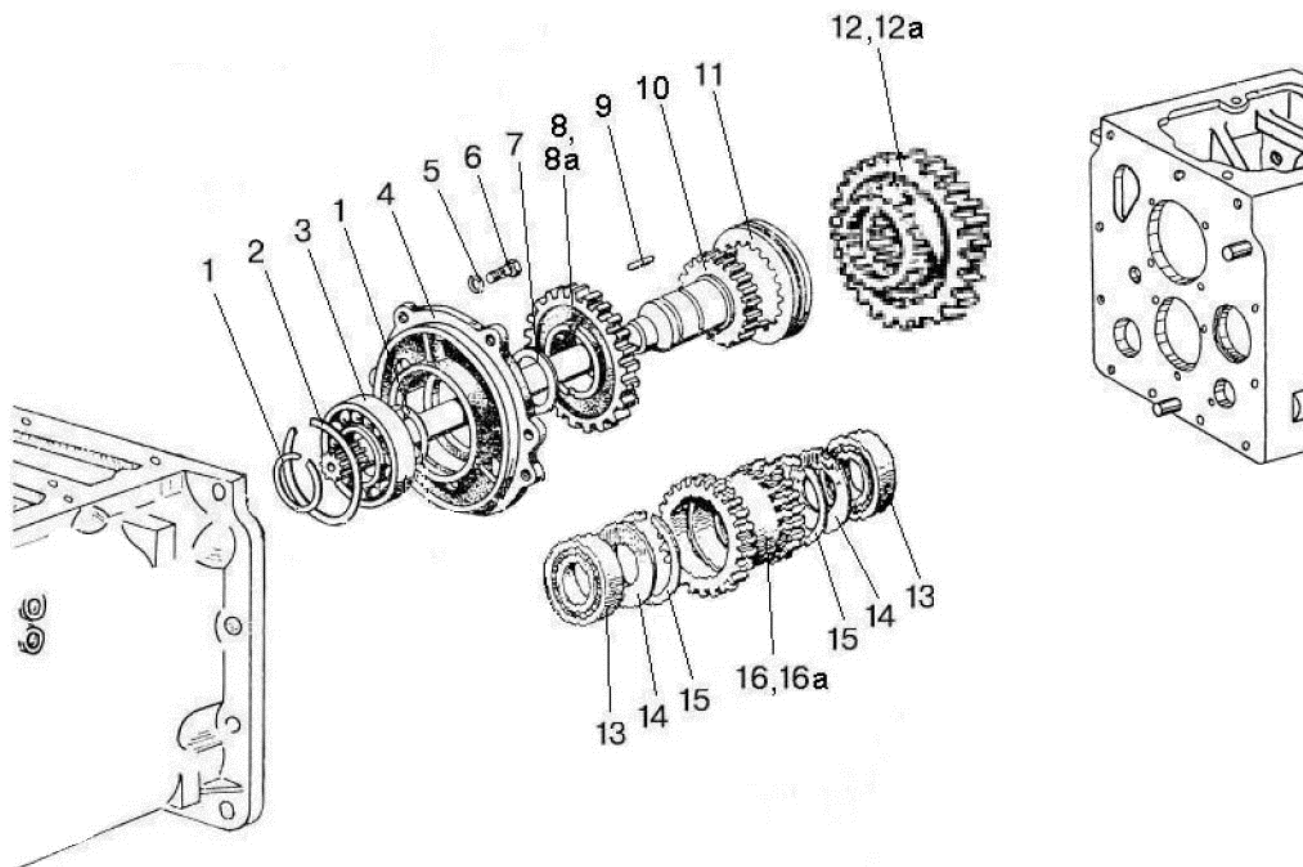


Fig.17.1. Mechanical splitter/ mechanical multiplier

**Group 17. Gearbox  
Subgroup 1721. Mechanical splitter/  
mechanical multiplier**

| Fig. No | Pos. No.            | Designation                      | Q-ty      |             | Description                           |
|---------|---------------------|----------------------------------|-----------|-------------|---------------------------------------|
|         |                     |                                  | Splitter* | Multiplier* |                                       |
| 17.1    |                     | 70-1721020                       | 1         | -           | Clutch shaft with cover (1-4,7,8-10)  |
|         |                     | 50-1721020                       | -         | 1           | Clutch shaft with cover (1-4,7,8a-10) |
|         |                     | 70-1721040                       | 1         | -           | Gear (13-16)                          |
|         |                     | 50-1721040                       | -         | 1           | Gear (13-16a)                         |
|         | 1                   | 2C55 ГОСТ 13940-86               | 2         | 2           | Ring                                  |
|         | 2                   | 2C100 ГОСТ 13941-86              | 1         | 1           | Ring                                  |
|         | 3                   | 211 АУШ1 GOST8338-75             | 1         | 1           | Bearing                               |
|         | 4                   | 70-1721022                       | 1         | 1           | Bearing cap                           |
|         | 5                   | 10 OT OCT 37.001.115-75          | 4         | 4           | Washer                                |
|         | 6                   | M10-6gx25.88.35.019 ГОСТ 7796-70 | 4         | 4           | Bolt                                  |
|         | 7                   | 70-1721023                       | 1         | 1           | Washer                                |
|         | 8                   | 70-1721031                       | 1         | -           | Gear                                  |
|         | 8a                  | 50-1721031                       | -         | 1           | Gear                                  |
|         | 9                   | 4x34,8A3 ГОСТ 6870-81            | 47        | 47          | Roller                                |
|         | 10                  | 70-1721113-A                     | 1         | 1           | Clutch shaft                          |
|         | 11                  | 70-1721045                       | 1         | 1           | Gear clutch                           |
|         | 12                  | 70-1721025                       | 1         | -           | Gear                                  |
|         | 12a                 | 50-1721025                       | -         | 1           | Gear                                  |
|         | 13                  | 212 АУШ1 ГОСТ 8338-75            | 2         | 2           | Bearing                               |
|         | 14                  | 70-1721318                       | 2         | 2           | Washer                                |
| 15      | 2C110 ГОСТ 13941-86 | 2                                | 2         | Ring        |                                       |
| 16      | 70-1721041          | 1                                | -         | Gear        |                                       |
| 16a     | 50-1721041          | -                                | 1         | Gear        |                                       |

\* see Table to the figure 16.2

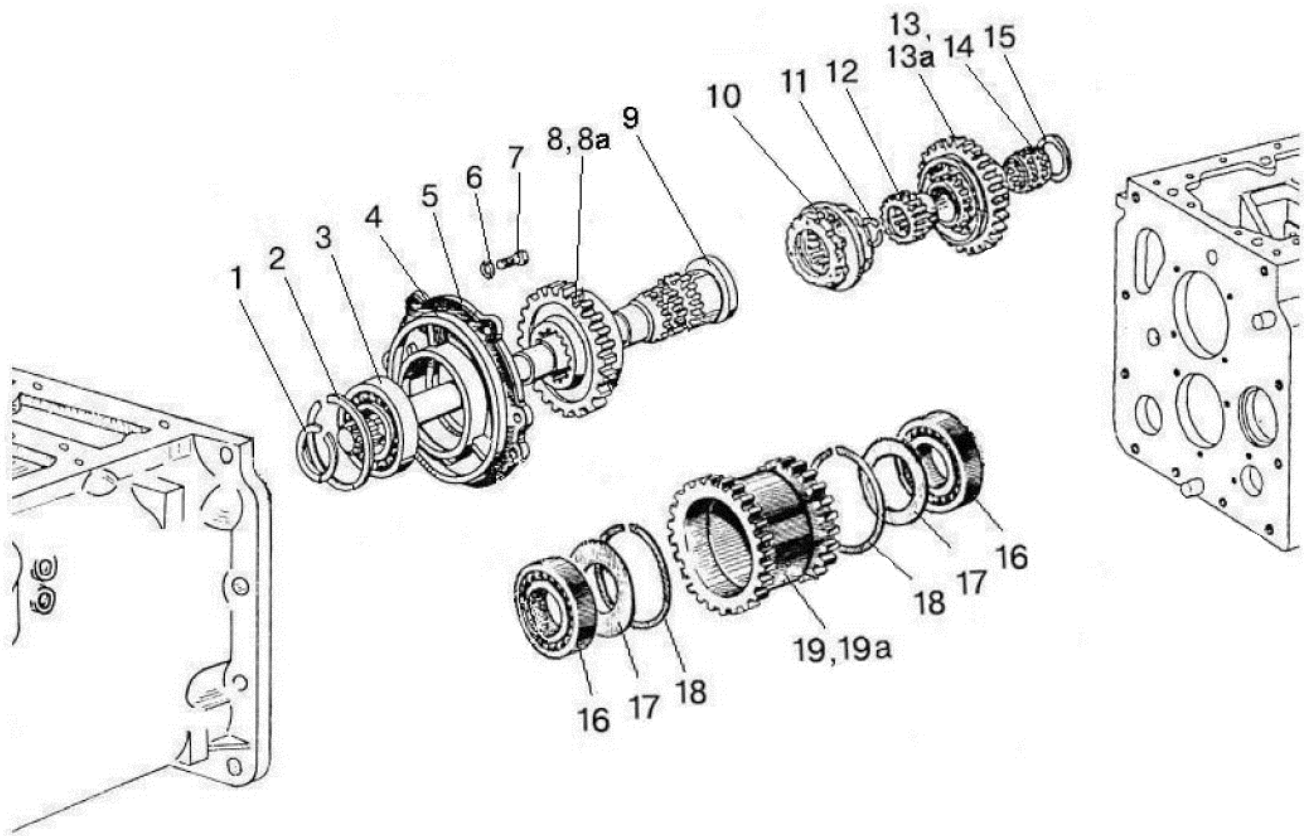


Fig.17.2. Synchronized splitter/ synchronized multiplier

**Group 17. Gearbox  
Subgroup 1721. Synchronized splitter/  
synchronized multiplier**

| Fig. No | Pos. No.                            | Designation                      | Q-ty      |             | Description                 |
|---------|-------------------------------------|----------------------------------|-----------|-------------|-----------------------------|
|         |                                     |                                  | Splitter* | Multiplier* |                             |
| 17.2    |                                     | 74-1721020                       | 1         | -           | Shaft assembly (1-3,5,8,9)  |
|         |                                     | 74-1721020-01                    | -         | 1           | Shaft assembly (1-3,5,8a,9) |
|         |                                     | 70-1721040                       | 1         | -           | Gear (16-19)                |
|         |                                     | 50-1721040                       | -         | 1           | Gear (16-19a)               |
|         | 1                                   | 2C55 ГОСТ 13940-86               | 1         | 1           | Ring                        |
|         | 2                                   | 2C110 ГОСТ 13941-86              | 1         | 1           | Ring                        |
|         | 3                                   | 211 АУШ1 ГОСТ 8338-75            | 1         | 1           | Bearing                     |
|         | 4                                   | 74-1721023                       | 1..4      | 1..4        | Gasket 0.5 mm               |
|         |                                     | 74-1721023-01                    | 1..4      | 1..4        | Gasket 0.5 mm               |
|         | 5                                   | 70-1721022                       | 1         | 1           | Bearing cap                 |
|         | 6                                   | 10 ОТ OCT 37.001.115-75          | 4         | 4           | Washer                      |
|         | 7                                   | M10-6gx25.88.35.019 ГОСТ 7796-70 | 4         | 4           | Bolt                        |
|         | 8                                   | 74-1721090                       | 1         | -           | Gear                        |
|         | 8a                                  | 74-1721090-01                    | -         | 1           | Gear                        |
|         | 9                                   | 74-1721113                       | 1         | 1           | Shaft                       |
|         | 10                                  | 74-1701060-A                     | 1         | 1           | Synchronizer                |
|         | 11                                  | C40 ГОСТ 13940-86                | 1         | 1           | Ring                        |
|         | 12                                  | 74-1721028                       | 1         | 1           | Bush                        |
|         | 13                                  | 74-1721080                       | 1         | -           | Gear                        |
|         | 13a                                 | 74-1721080-01                    | -         | 1           | Gear                        |
| 14      | 3KK 50x57x36E ТУ РБ 00234873.003-99 | 1                                | 1         | Bearing     |                             |
| 15      | 74-1701026                          | 1                                | 1         | Ring        |                             |
| 16      | 212 АУШ1 ГОСТ 8338-75               | 2                                | 2         | Bearing     |                             |
| 17      | 70-1721318                          | 2                                | 2         | Washer      |                             |
| 18      | 2C110 ГОСТ 13941-86                 | 2                                | 2         | Ring        |                             |
| 19      | 70-1721041                          | 1                                | -         | Gear        |                             |
| 19a     | 50-1721041                          | -                                | 1         | Gear        |                             |

\* see Table to the figure 16.2

ТУ РБ – Technical Specifications of the Republic of Belarus (translator's note)

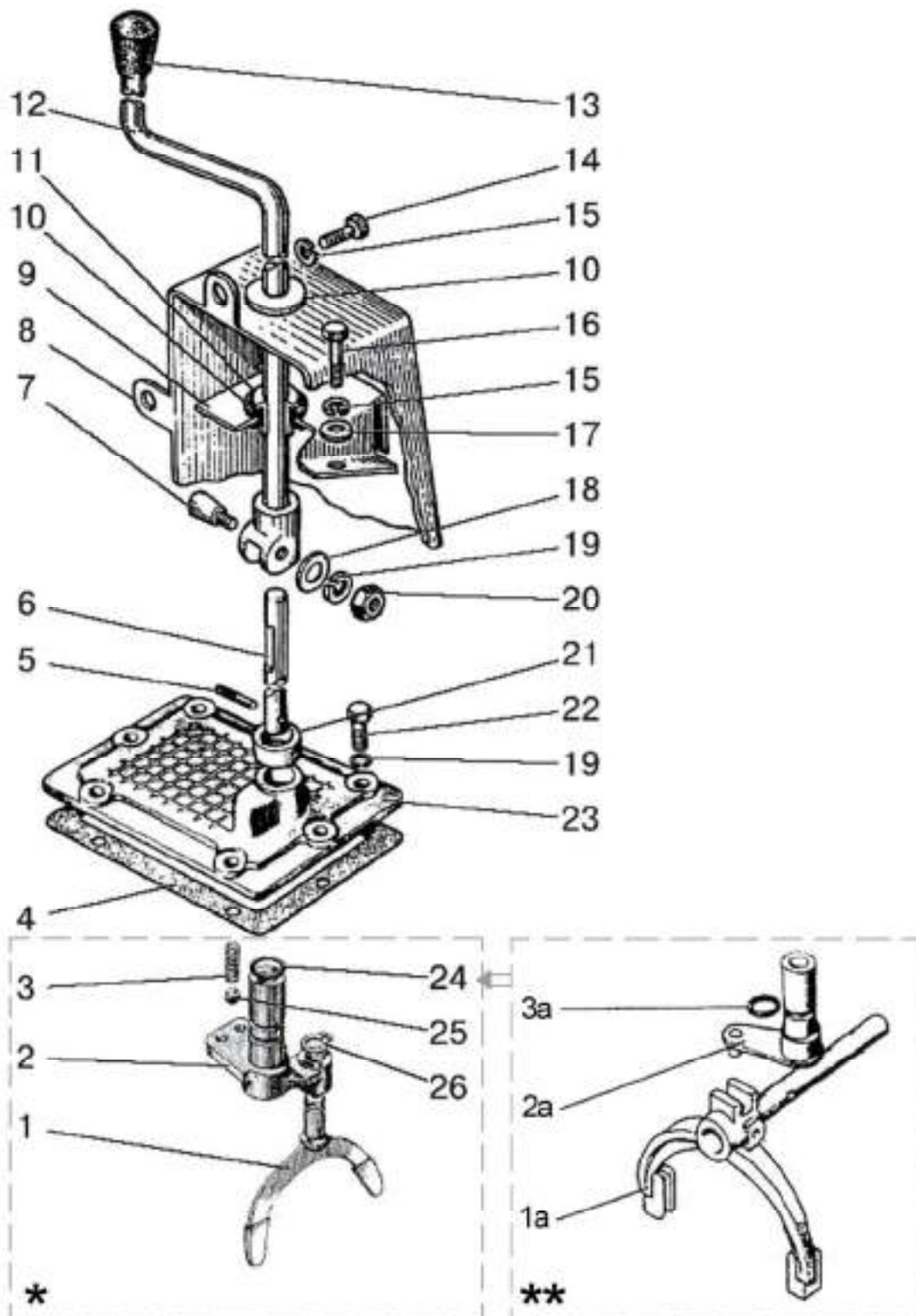


Fig.17.3. Mechanical\* (synchronized\*\*) splitter/multiplier control

**Group 17. Clutch  
Subgroup 1723. Splitter/multiplier control**

| Fig. No | Pos. No.                             | Designation                     | Q-ty  | Description                                    |
|---------|--------------------------------------|---------------------------------|-------|--|
| 17.3    |                                      | 80-1723010-B                    | 1*    | Splitter control<br>(1, 2, 3, 5, 6, 21, 23-26) |
|         |                                      | 74-1723030                      | 1**   | Splitter cover<br>(2a, 3a, 5, 6, 22, 23)       |
|         |                                      | 80-1723065                      | 1     | Lever (7, 12, 13, 18-20)                       |
|         | 1                                    | 80-1721021                      | 1     | Fork   |
|         | 1a                                   | 74-1723020-B                    | 1     | Fork   |
|         | 2                                    | 70-1723020                      | 1     | Shaft with lever                               |
|         | 2a                                   | 70-1723140                      | 1     | Lever  |
|         | 3                                    | 50-1702148-A                    | 1     | Spring   |
|         | 3a                                   | 020-025-30-1-4                  | 1     | Ring   |
|         | 4                                    | 50-1601347                      | 1     | Gasket   |
|         | 5                                    | 70-1723012                      | 1     | Pin  |
|         | 6                                    | 70-1723024                      | 1     | Rod  |
|         | 7                                    | 70-1723063                      | 1     | Wedge  |
|         | 8                                    | 80-6700370                      | 1     | Casing   |
|         | 9                                    | 80-6702291                      | 1     | Liner  |
|         | 10                                   | 70-3723024                      | 2     | Bush   |
|         | 11                                   | 70-4605308-B                    | 1     | Bush   |
|         | 12                                   | 80-1723060                      | 1     | Lever  |
|         | 13                                   | A61-01-014                      | 1     | Handle   |
|         | 14                                   | M6-6gx20.88.35.019 ГОСТ 7798-70 | 3     | Bolt   |
|         | 15                                   | 6T OCT 37.001.115-75            | 5     | Washer   |
|         | 16                                   | M6-6gx14.88.35.019 ГОСТ 7798-70 | 2     | Bolt   |
|         | 17                                   | C 6.01.019 ГОСТ 11371-78        | 2     | Washer   |
|         | 18                                   | C 10.01.019 ГОСТ 11371-78       | 1     | Washer   |
|         | 19                                   | 10 OT OCT 37.001.115-75         | 7     | Washer   |
|         | 20                                   | M10-6H.6.019 ГОСТ 5915-70       | 1     | Nut  |
| 21      | 70-1723032                           | 1                               | Bush  |  |
| 22      | M10-6gx30.88.35.019 ГОСТ 7796-70     | 6                               | Bolt  |  |
| 23      | 70-1723015                           | 1                               | Cover |  |
| 24      | 025-030-30-2-2 ГОСТ 18829-73/9833-73 | 1                               | Ring  |  |
| 25      | 10,0-60 ГОСТ 3722-81                 | 1                               | Ball  |  |
| 26      | C16 ГОСТ 13940-86                    | 1                               | Ring  |  |

\* Mechanical splitter/multiplier control

\*\* Synchronized splitter/multiplier control

**Group 17. Gearbox**

Table – Equipment of the tractor models

| Gearbox designation | Gearbox marking | Availability for the BELARUS tractor model |       |     |       |       |     |     |       |       | Figure numbers                              | Gearbox version description   |
|---------------------|-----------------|--|-------|-----|-------|-------|-----|-----|-------|-------|---|---|
|                     |                 | 900  | 900.3 | 920 | 920.2 | 920.3 | 950 | 952 | 952.2 | 952.3 |   |   |
| 1021-1700010        | 1000            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.15 | - synchronized gearbox;<br>- synchronized splitter;<br>- without FDA drive;<br>- with HSR drive;<br>- right two-lever control   |
| 1021-1700010-01     | 1001            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.15 | - synchronized gearbox;<br>- synchronized splitter;<br>- with FDA drive;<br>- with HSR drive;<br>- right two-lever control      |
| 1021-1700010-04     | 1004            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.15 | - synchronized gearbox;<br>- synchronized multiplier;<br>- without FDA drive;<br>- with HSR drive;<br>- right two-lever control |
| 1021-1700010-05     | 1005            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.15 | - synchronized gearbox;<br>- synchronized multiplier;<br>- with FDA drive;<br>- with HSR drive;<br>- right two-lever control    |
| 1021-1700010-07     | 1007            |  |       |     |       |       |     |     |       |       | 17.4,17.5, 17.8,17.9, 17.10, 17.11, 17.15   | - synchronized gearbox;<br>- synchronized reverse;<br>- with FDA drive;<br>- with HSR drive;<br>- right two-lever control       |
| 70-1700010-Б1       | 70600           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14       | - mechanical gearbox;<br>-mechanical splitter;<br>- without FDA drive;<br>-with HSR drive;<br>- right single-lever control      |
| 70-1700010-Б1-01    | 70601           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14       | - mechanical gearbox;<br>-mechanical multiplier;<br>- without FDA drive;<br>- with HSR drive;<br>- right single-lever control   |



**Group 17. Gearbox**

*Continuation of the Table – Equipment of the tractor models*

| Gearbox designation | Gearbox marking | Availability for the BELARUS tractor model |       |     |       |       |     |     |       |       | Figure numbers                                   | Gearbox version description  |
|---------------------|-----------------|--|-------|-----|-------|-------|-----|-----|-------|-------|--|--|
|                     |                 | 900  | 900.3 | 920 | 920.2 | 920.3 | 950 | 952 | 952.2 | 952.3 |  |  |
| 72-1700010-Б1       | 72600           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14            | - mechanical gearbox;<br>- mechanical splitter;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control        |
| 72-1700010-Б1-01    | 72601           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14            | - mechanical gearbox;<br>-mechanical multiplier;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control       |
| 72-1700010-Б1-03    | 72603           |  |       |     |       |       |     |     |       |       | 17.4,17.5, 17.6,17.7, 17.10, 17.11, 17.12, 17.14 | - mechanical gearbox;<br>- synchronized reverse;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control       |
| 72-1700010-Б1-07    | 72607           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14            | - mechanical gearbox;<br>- mechanical splitter;<br>- with FDA drive;<br>- without HSR drive;<br>- right single-lever control     |
| 72-1700010-Б1-08    | 72608           |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.14            | - mechanical gearbox;<br>- synchronized splitter;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control      |
| 74-1700010          | 7400            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14      | - synchronized gearbox;<br>- synchronized splitter;<br>- without FDA drive;<br>- with HSR drive;<br>- right single-lever control |

**Group 17. Gearbox**

*Continuation of the Table – Equipment of the tractor models*

| Gearbox designation | Gearbox marking | Availability for the BELARUS tractor model |       |     |       |       |     |     |       |       | Figure numbers   | Gearbox version description  |
|---------------------|-----------------|--|-------|-----|-------|-------|-----|-----|-------|-------|--|--|
|                     |                 | 900  | 900.3 | 920 | 920.2 | 920.3 | 950 | 952 | 952.2 | 952.3 |  |  |
| 74-1700010-01       | 7401            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14            | - synchronized gearbox;<br>- synchronized splitter;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control                              |
| 74-1700010-03       | 7403            |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.9, 17.10, 17.11, 17.13, 17.14            | - synchronized gearbox;<br>- synchronized splitter;<br>- with the top gear lock;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control |
| 74-1700010-04       | 7404            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14            | - synchronized gearbox;<br>- synchronized multiplier;<br>- without FDA drive;<br>- with HSR drive;<br>- right single-lever control                         |
| 74-1700010-05       | 7405            |  |       |     |       |       |     |     |       |       | 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14            | - synchronized gearbox;<br>- synchronized multiplier;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control                            |
| 74-1700010-06       | 7406            |  |       |     |       |       |     |     |       |       | 17.4,17.5, 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14 | - synchronized gearbox;<br>- synchronized reverse;<br>- without FDA drive;<br>- with HSR drive;<br>- right single-lever control                            |
| 74-1700010-07       | 7407            |  |       |     |       |       |     |     |       |       | 17.4,17.5, 17.6,17.8, 17.9, 17.10, 17.11, 17.13, 17.14 | - synchronized gearbox;<br>- synchronized reverse;<br>- with FDA drive;<br>- with HSR drive;<br>- right single-lever control                               |
| 82-1700010-01       | 8201            |  |       |     |       |       |     |     |       |       | 17.6,17.7, 17.10, 17.11, 17.12, 17.15                  | - mechanical gearbox;<br>-mechanical multiplier;<br>- with FDA drive;<br>-with HSR drive;<br>- right two-lever control                                     |

**Group 17. Gearbox**

*Continuation of the Table – Equipment of the tractor models*

| Gearbox designation | Gear-box marking | Availability for the BELARUS tractor model |       |     |       |       |     |     |       |       | Figure numbers | Gearbox version description |
|---------------------|------------------|--|-------|-----|-------|-------|-----|-----|-------|-------|----------------|-----------------------------|
|                     |                  | 900  | 900.3 | 920 | 920.2 | 920.3 | 950 | 952 | 952.2 | 952.3 |                |                             |

Note:

The availability of equipment of a BELARUS tractor with this gearbox (GB) for each model of the series is marked with shaded highlighting.

The variant of equipment of a tractor with a particular gearbox is determined defined by the GB version marking made on a pad in the left top corner of the GB casing window as seen in the direction of the tractor motion by the impact method.

(see the figure)

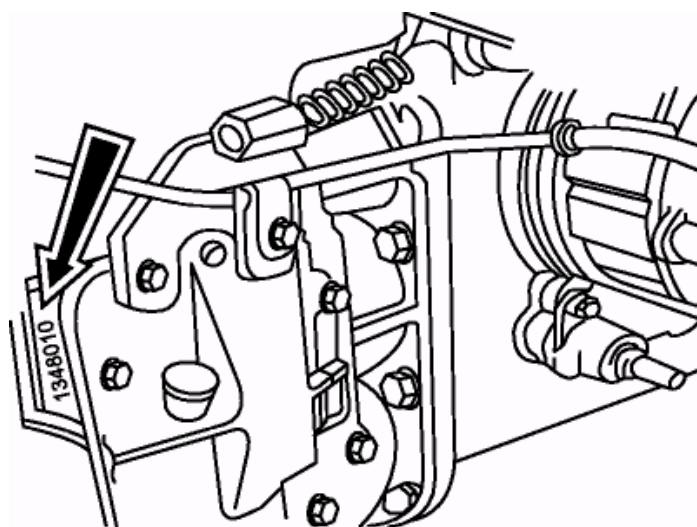


Figure: GB version marking

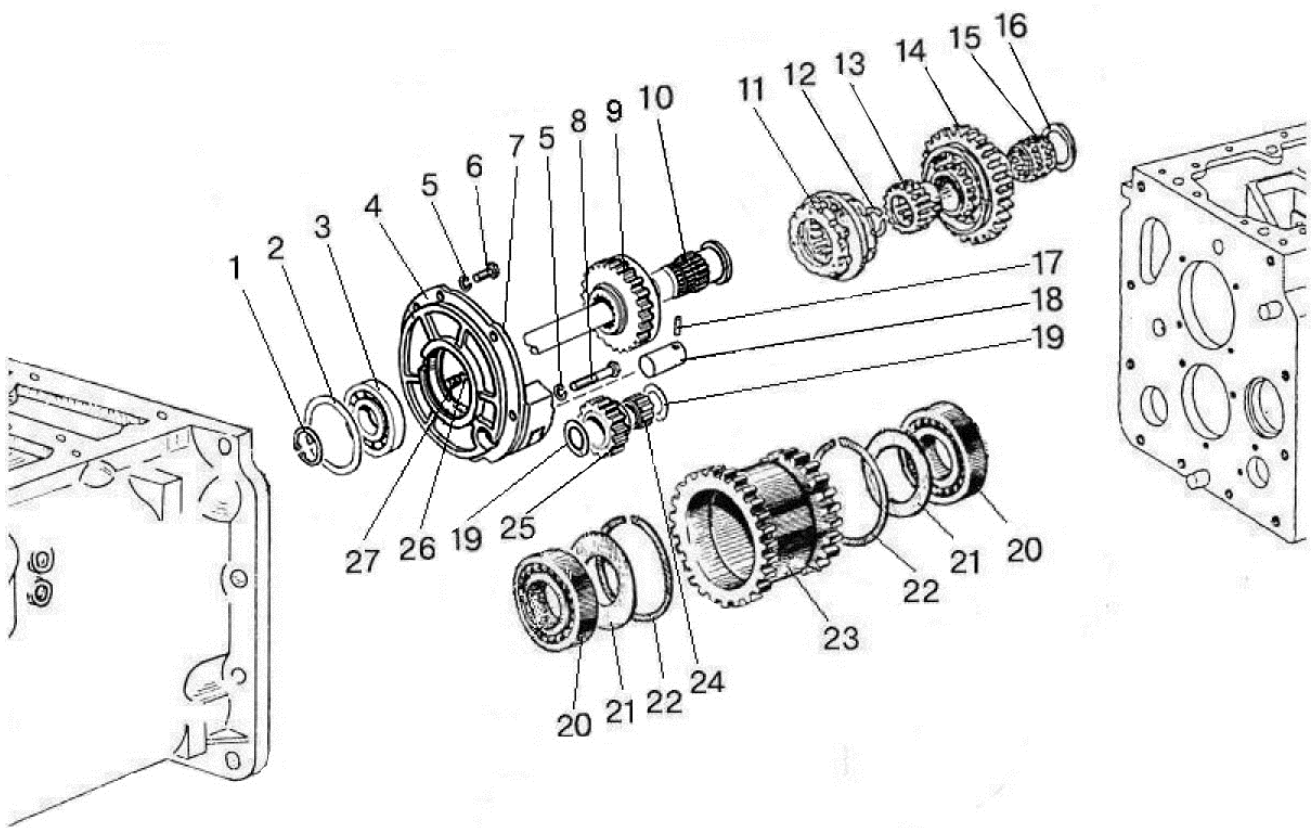


Fig.17.4. Synchronized reverse gear

**Group 17. Gearbox  
Subgroup 1721. Synchronized reverse gear**

| Fig. No. | Pos. No.    | Designation                        | 72-1700010-Б1-03<br>74-1700010-06/-07<br>1021-1700010-07 | Description                                 |
|----------|-------------|------------------------------------|--|---|
| 17.4     |             | P70-1721020                        | 1  | Clutch shaft (1-4, 7, 9, 10, 18, 19, 24-27) |
|          |             | 50-1721040                         | 1  | Gear (20-23)                                |
|          | 1           | 2С55 ГОСТ 13940-86                 | 1  | Ring  |
|          | 2           | 2С100 ГОСТ 13941-86                | 1  | Ring  |
|          | 3           | 211АУШ1 ГОСТ 8338-75               | 1  | Bearing                                     |
|          | 4           | 74-1721023                         | 4*   | Gasket 0.5 mm                               |
|          |             | 74-1721023-01                      | 4*   | Gasket 0.2 mm                               |
|          | 5           | 10 ОТ OCT 37.001.115-75            | 4  | Washer                                      |
|          | 6           | M10-6gx25.88.35.019 ГОСТ 7796-70   | 3  | Bolt  |
|          | 7           | P70-1721022                        | 1  | Bearing cap                                 |
|          | 8           | M10-6gx75.88.35.019 ГОСТ 7796-70   | 1  | Bolt  |
|          | 9           | P70-1721090                        | 1  | Gear  |
|          | 10          | 74-1721113                         | 1  | Shaft                                       |
|          | 11          | 74-1701060-A                       | 1  | Synchronizer                                |
|          | 12          | С40 ГОСТ 13940-86                  | 1  | Ring  |
|          | 13          | 74-1721028                         | 1  | Bush  |
|          | 14          | 74-1721080-01                      | 1  | Gear  |
|          | 15          | 3KK50x57x36E ТУ РБ 00234873.003-99 | 1  | Bearing                                     |
|          | 16          | 74-1701026                         | 1  | Ring  |
|          | 17          | 70-1723012                         | 1  | Pin   |
|          | 18          | P70-1721023                        | 1  | Shaft                                       |
|          | 19          | P70-1721021                        | 2  | Ring  |
|          | 20          | 212АУШ1 ГОСТ 8338-75               | 2  | Bearing                                     |
|          | 21          | 70-1721318                         | 2  | Washer                                      |
|          | 22          | 2С110 ГОСТ 13941-86                | 2  | Ring  |
|          | 23          | 50-1721041                         | 1  | Gear  |
|          | 24          | 864906E ТУ РБ 00234873.003-99      | 1  | Roller bearing                              |
| 25       | P70-1721024 | 1                                  | Gear   |   |
| 26       | 12-12-306   | 1                                  | Ring   |   |
| 27       | 52-2308094  | 1                                  | Pin  |   |

\* Maximum quantity. Selection

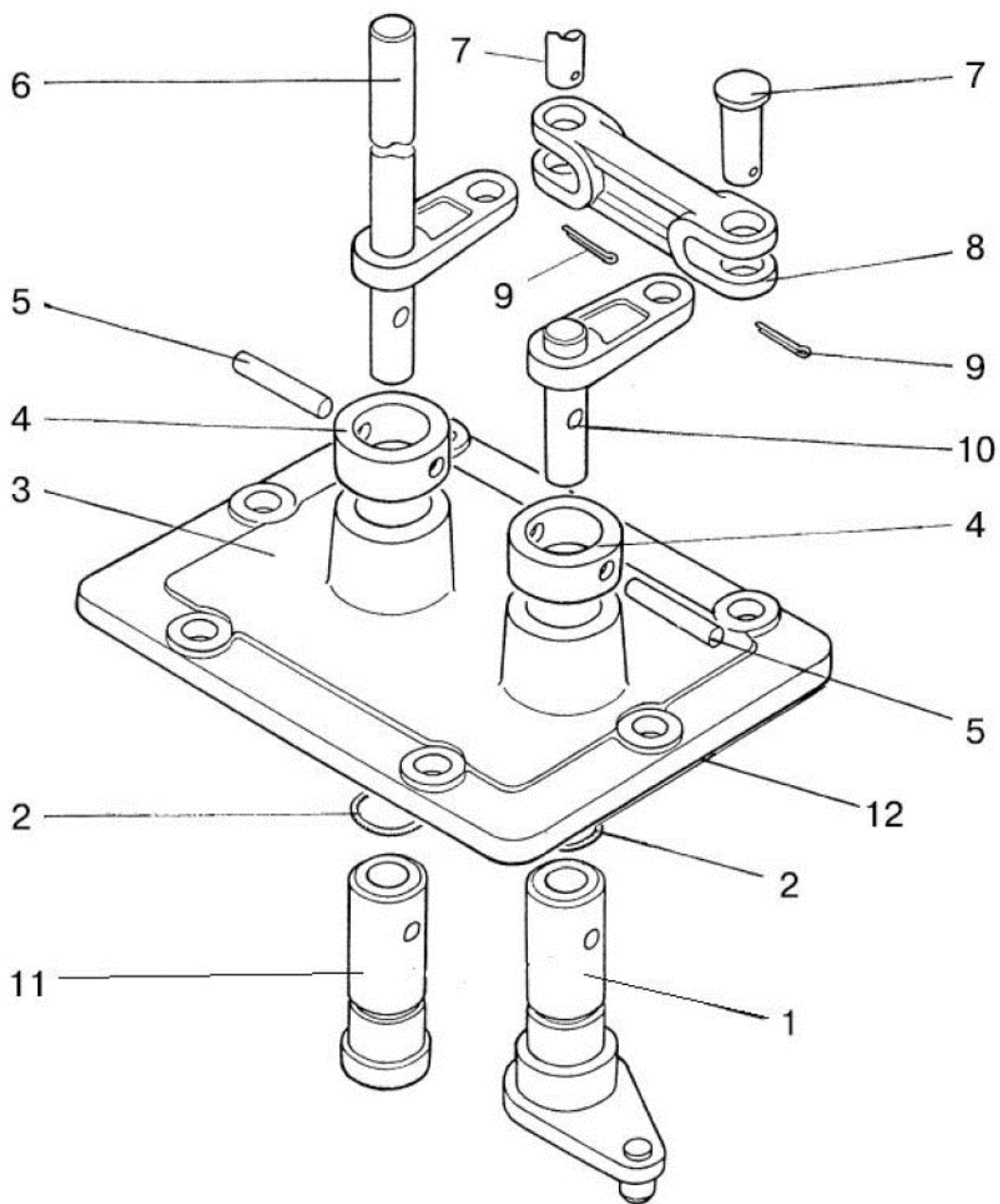


Fig.17.5. Synchronized reverse gear control

**Group 17. Gearbox  
Subgroup 1723. Synchronized reverse gear control**

| Fig. No. | Pos. No.    | Designation                          | 72-1700010-Б1-03<br>74-1700010-06/-07<br>1021-1700010-07 | Description  |
|----------|-------------|--------------------------------------|--|--------------|
| 17.5     |             | P70-1723010                          | 1  | Cover (1-11) |
|          |             | P70-1723065*                         | 1  | Lever        |
|          | 1           | 74-1723140                           | 1  | Lever        |
|          | 2           | 020-025-30-1-4 ГОСТ 18829-73/9833-73 | 2  | Ring         |
|          | 3           | P70-1723015                          | 1  | Cover        |
|          | 4           | 70-1723032                           | 2  | Bush         |
|          | 5           | 70-1723012                           | 2  | Pin          |
|          | 6           | P70-1723030                          | 1  | Lever        |
|          | 7           | 10x28 OCT 37.001.163-75              | 2  | Pin          |
|          | 8           | P70-1723013                          | 1  | Slat         |
|          | 9           | 3,2x18.019 ГОСТ 397-79               | 2  | Cotter pin   |
|          | 10          | P70-1723020                          | 1  | Shaft        |
| 11       | P70-1723011 | 1                                    | Lever axle   |              |
| 12       | 50-1601347  | 1                                    | Gasket   |              |

\* Consists of the control lever P70-1723060 (not shown) and parts 7, 13, 18-20 Fig. 17.3.

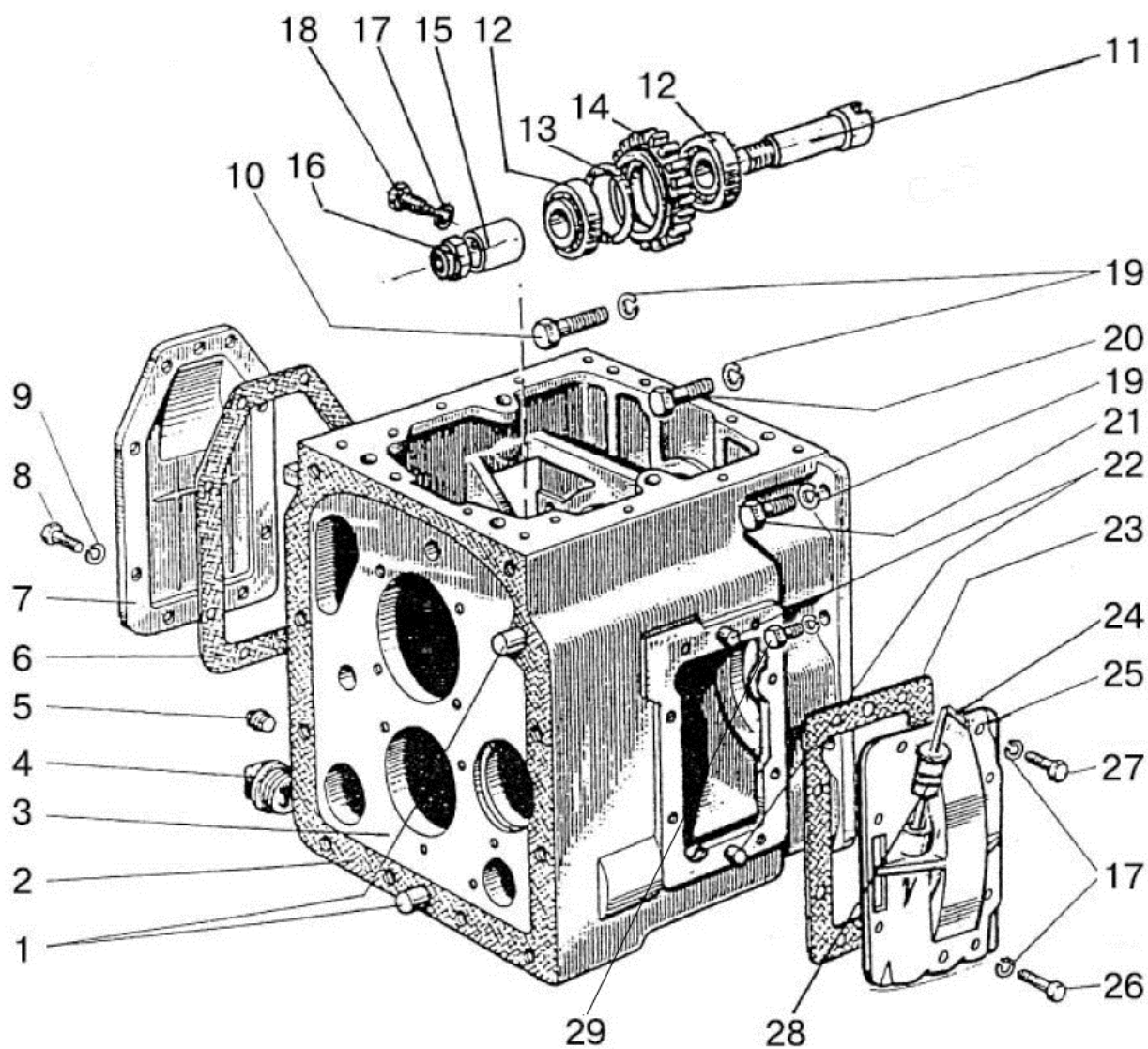


Fig.17.6. Gearbox casing. FDA drive.



**Group 17. Gearbox  
Subgroup 1701. Gearbox casing. FDA drive.**

| Fig. No. | Pos. No.                                      | Designation                       | 70-1700010-B1/-01 | 72-1700010-B1/-01/-03/-07/-08 | 74-1700010/-04/-06<br>1021-1700010/-04 | 74-1700010-01/-03/-05/-07<br>1021-1700010-01/-05/-07 | Description    |
|----------|---|-----------------------------------|-------------------|-------------------------------|--|--|----------------|
|          |   |                                   |                   |                               |  |  |                |
| 17.6     |   | 52-1802095-Б                      | -                 | 1                             | -                                      | 1  | Gear (11-16)   |
|          | 1   | 50-4605027                        | 2                 | 2                             | 2                                      | 2  | Pin            |
|          | 2   | 50-1701026                        | 1                 | 1                             | 1                                      | 1  | Gasket         |
|          | 3   | 50-1701025-A                      | 1                 | 1                             | -                                      | -  | Gearbox casing |
|          |   | 50-1701025-A-01                   | -                 | -                             | 1                                      | 1  | Gearbox casing |
|          | 4   | 70-1701300                        | 1                 | 1                             | 1                                      | 1  | Plug           |
|          | 5   | ПК КГ 3/8"                        | 1                 | 1                             | 1                                      | 1  | Plug           |
|          | 6   | 50-1701459                        | 1                 | 1                             | 1                                      | 1  | Gasket         |
|          | 7   | 50-1701458                        | 1                 | -                             | 1                                      | -  | Cover          |
|          | 8   | M10-6gx35.88.35.019 ГОСТ 7796-70  | 8                 | 8                             | 8                                      | 8  | Bolt           |
|          | 9   | 10 ОТ OCT 37.001.115-75           | 8                 | 8                             | 8                                      | 8  | Washer         |
|          | 10  | M16-6gx100.88.35.019 ГОСТ 7795-70 | 2                 | 2                             | 2                                      | 2  | Bolt           |
|          | 11  | 52-1802094                        | -                 | 1                             | -                                      | 1  | Shaft          |
|          | 12  | 7306A ГОСТ 27365-87               | -                 | 2                             | -                                      | 2  | Bearing        |
|          | 13  | 52-1802097-A                      | -                 | 1                             | -                                      | 1  | Ring           |
|          | 14  | 52-1802091                        | -                 | 1                             | -                                      | 1  | Gear           |
|          | 15  | 52-1802092-Б                      | -                 | 1                             | -                                      | 1  | Bush           |
|          | 16  | 52-1802128                        | -                 | 1                             | -                                      | 1  | Nut            |
|          | 17  | 12 ОТ OCT 37.001.115-75           | 7                 | 8                             | 7                                      | 8  | Washer         |
|          | 18  | 52-1802093                        | -                 | 1                             | -                                      | 1  | Screw          |
|          | 19  | 16 ОТ OCT 37.001.115-75           | 11                | 11                            | 11                                     | 11   | Washer         |
|          | 20  | M16-6gx60.88.35.019 ГОСТ 7795-70  | 2                 | 2                             | 2                                      | 2  | Bolt           |
|          | 21  | M16-6gx50.88.35.019 ГОСТ 7796-70  | 2                 | 2                             | 2                                      | 2  | Bolt           |
|          | 22  | Д01-015                           | 2                 | 4                             | 2                                      | 4  | Setting pin    |
|          | 23  | 50-1701456-A                      | 1                 | 1                             | 1                                      | 1  | Gasket         |
|          | 24*   | 70-1701415-A                      | 1                 | 1                             | 1                                      | 1  | Oil gauge      |
|          | 25*   | 70-1701454-A2                     | 1                 | 1                             | 1                                      | 1  | Cover          |
|          | 26  | M12-6gx35.88.35.019 ГОСТ 7796-70  | 5                 | 5                             | 5                                      | 5  | Bolt           |
|          | 27  | M12-6gx35.88.35.019 ГОСТ 7796-70  | 2                 | 2                             | 2                                      | 2  | Bolt           |
| 28       | 011-015-25-2-4 ГОСТ 18829-73/<br>ГОСТ 9833-73 | 2                                 | 2                 | 2                             | 2                                      | Ring   |                |
| 29       | M16-6g x55.88.35.019 ГОСТ 7796-70             | 5                                 | 5                 | 5                             | 5                                      | Bolt   |                |

\* Not installed on the tractors equipped with speed reducer or hydraulic speed reducer

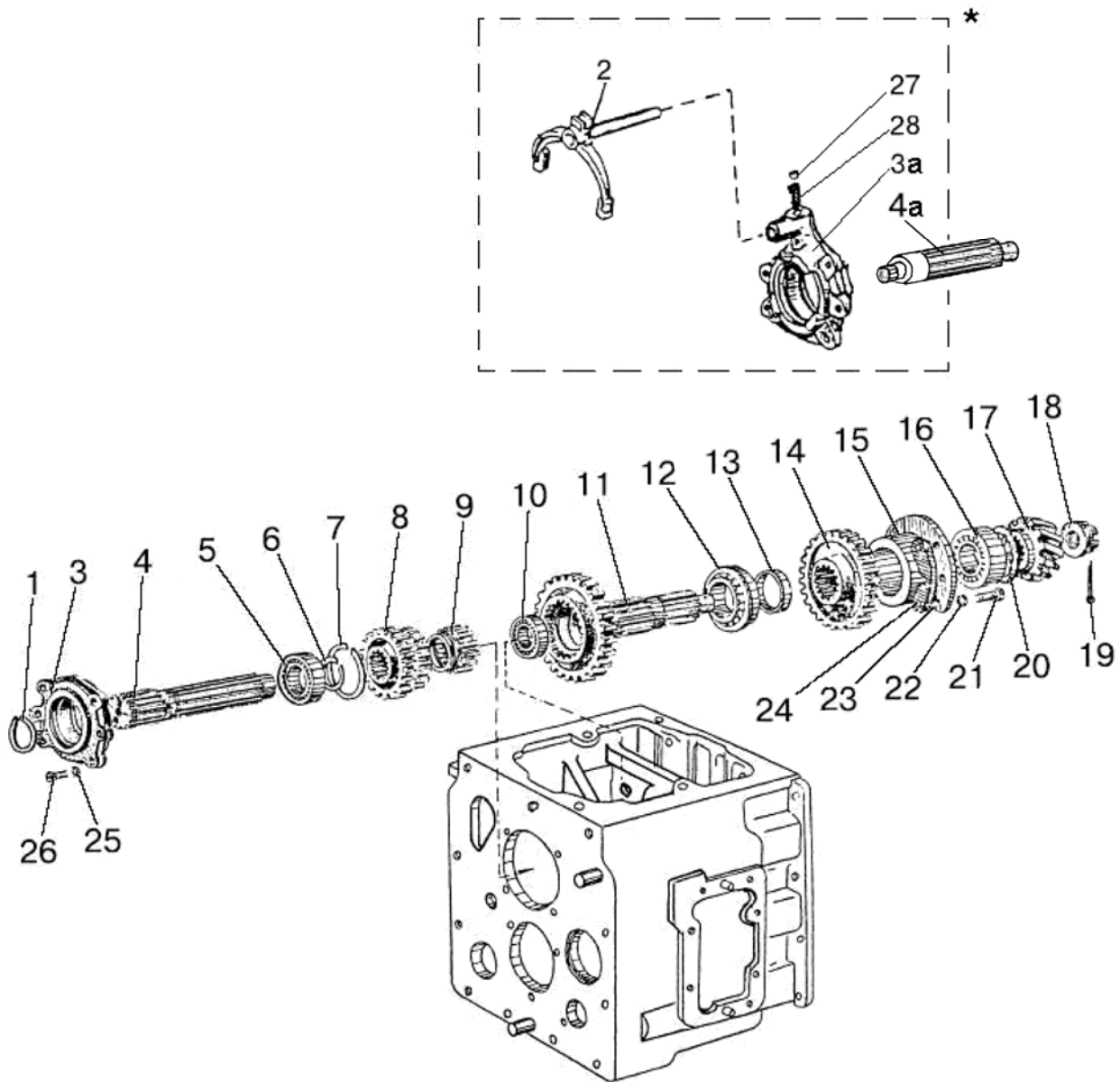


Fig.17.7. Input and output shafts of the mechanical gearbox

**Group 17. Gearbox  
Subgroup 1701. Input and output shafts of the mechanical gearbox**

| Fig. No. | Pos. No.                             | Designation                          | 70-1700010-Б1/-01<br>72-1700010-Б1/-01/-07/ | 72-1700010-Б1-03/-08 | Description                |
|----------|--------------------------------------|--------------------------------------|---|----------------------|----------------------------|
| 17.7     |                                      | 48-1701030-A                         | 1   | -                    | Input shaft (1, 3, 4, 5-9) |
|          |                                      | 822-1701030                          | -   | 1                    | Input shaft (3a, 4a, 5-9)  |
|          |                                      | 50-1701040                           | 1   | 1                    | Output shaft (10-13)       |
|          | 1                                    | 2С60 ГОСТ 13940-86                   | 1   | 1                    | Ring                       |
|          | 2                                    | 74-1723020-Б                         | -   | 1                    | Fork                       |
|          | 3                                    | 50-1701034                           | 1   | -                    | Cage                       |
|          | 3a                                   | 74-1701034-Б                         | -   | 1                    | Cage                       |
|          | 4                                    | 48-1701032-A                         | 1   | -                    | Input shaft                |
|          | 4a                                   | P70-1701032                          | -   | 1                    | Input shaft                |
|          | 5                                    | 210АУШ1 ГОСТ 8338-75                 | 1   | 1                    | Bearing                    |
|          | 6                                    | 2С50 ГОСТ 13940-86                   | 1   | 2                    | Ring                       |
|          | 7                                    | 2С90 ГОСТ 13941-86                   | 1   | 1                    | Ring                       |
|          | 8                                    | 50-1701048-A                         | 1   | 1                    | Gear                       |
|          | 9                                    | 50-1701045                           | 1   | 1                    | Gear                       |
|          | 10                                   | 208А ГОСТ 8338-75                    | 1   | 1                    | Bearing                    |
|          | 11                                   | 50-1701252                           | 1   | 1                    | Output shaft               |
|          | 12                                   | 6-67512 АШ2 ГОСТ 27365-87            | 1   | 1                    | Bearing                    |
|          | 13                                   | 50-1701312                           | 1   | 1                    | Bush                       |
|          | 14                                   | 50-1701314                           | 1   | 1                    | Gear                       |
|          | 15                                   | 50-1701255                           | 1   | 1                    | Cage                       |
|          | 16                                   | 6-7610 АШ2 ГОСТ 27365-87             | 1   | 1                    | Bearing                    |
|          | 17                                   | 50-1701105-Б                         | 1   | 1                    | Gear                       |
|          | 18                                   | 50-1701253                           | 1   | 1                    | Nut                        |
|          | 19                                   | 5x45.019 ГОСТ 397-79                 | 1   | 1                    | Cotter pin                 |
|          | 20                                   | 50-1701254-A                         | 1   | 1                    | Washer                     |
|          | 21                                   | M12-6g x35.88.35.019<br>ГОСТ 7796-70 | 4   | 4                    | Bolt                       |
|          | 22                                   | 12 OT OCT 37.001.115-75              | 4   | 4                    | Washer                     |
|          | 23                                   | 50-1701258                           | 8*  | 8*                   | Gasket 0.2 mm              |
| 24       | 50-1701259                           | 2*                                   | 2*  | Gasket 0.5 mm        |                            |
| 25       | 10 OT OCT 37.001.115-75              | 4                                    | 4   | Washer               |                            |
| 26       | M10-6g x25.88.35.019<br>ГОСТ 7796-70 | 4                                    | 4   | Bolt                 |                            |
| 27       | 10,0-60 ГОСТ 3722-81                 | -                                    | 1   | Ball                 |                            |
| 28       | 50-1701184-A                         | -                                    | 1   | Spring               |                            |

\* Maximum quantity. Selection

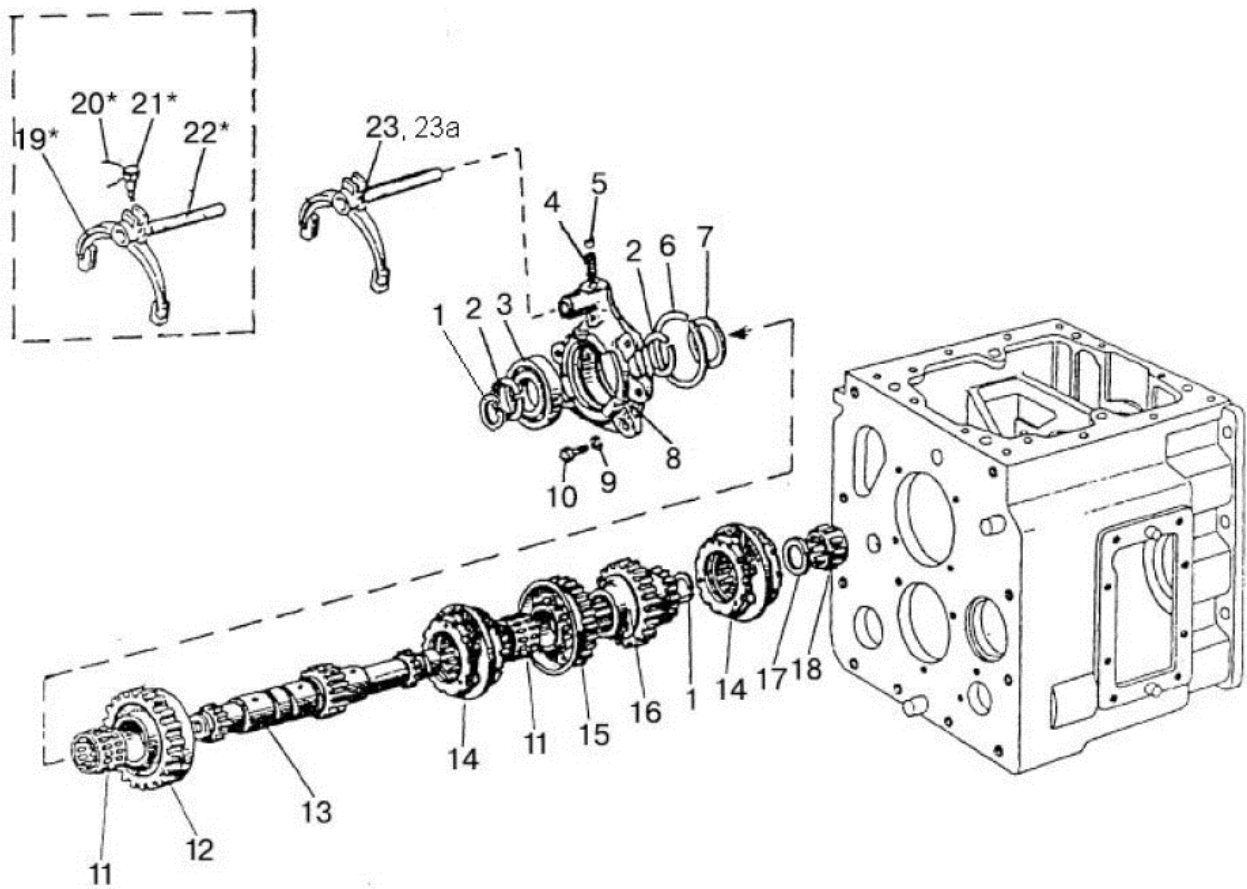


Fig.17.8. Input shaft of the synchronized gearbox

**Group 17. Gearbox  
Subgroup 1701. Input shaft of the synchronized gearbox**

| Fig. No. | Pos. No.        | Designation                       |                                    |  |  | Description                   |
|----------|-----------------|-----------------------------------|------------------------------------|--|--|-------------------------------|
|          |                 |                                   | 74-1700010/-01<br>1021-1700010/-01 | 74-1700010-03/-06/-07<br>1021-1700010-07 | 74-1700010-04/-05<br>1021-1700010-04/-05 |                               |
| 17.8     |                 | 74-1701030                        | 1                                  | 1  | 1  | Input shaft (1-3, 6-8, 11-18) |
|          |                 | 74-1723020-Б1                     | -                                  | -  | 1  | Fork (19-22)                  |
|          | 1               | C40 ГОСТ 13940-86                 | 2                                  | 2  | 2  | Ring                          |
|          | 2               | 2С50 ГОСТ 13940-                  | 2                                  | 2  | 2  | Ring                          |
|          | 3               | 210 АУШ1 ГОСТ 8338-75             | 1                                  | 1  | 1  | Bearing                       |
|          | 4               | 50-1702148-А                      | 1                                  | 1  | 1  | Spring                        |
|          | 5               | 10,0-60 ГОСТ 3722-81              | 1                                  | 1  | 1  | Ball                          |
|          | 6               | 2С90 ГОСТ 13941-86                | 1                                  | 1  | 1  | Ring                          |
|          | 7               | 74-1701026                        | 1                                  | 1  | 1  | Washer                        |
|          | 8               | 74-1701034-Б                      | 1                                  | 1  | 1  | Cage                          |
|          | 9               | 10 ОТ ОСТ 37.001.115-75           | 4                                  | 4  | 4  | Washer                        |
|          | 10              | M10-6gx25.88.35.019 ГОСТ 7796-70  | 4                                  | 4  | 4  | Bolt                          |
|          | 11              | 3KK50x57x36 ТУ РБ 00234873.003-99 | 2                                  | 2  | 2  | Bearing                       |
|          | 12              | 74-1701110                        | 1                                  | 1  | 1  | Gear                          |
|          | 13              | 74-1701032                        | 1                                  | 1  | 1  | Shaft                         |
|          | 14              | 74-1701060-А                      | 2                                  | 2  | 2  | Synchronizer                  |
|          | 15              | 74-1701100                        | 1                                  | 1  | 1  | Gear                          |
|          | 16              | 74-1701045                        | 1                                  | 1  | 1  | Gear                          |
|          | 17              | 74-1701029                        | 1                                  | 1  | 1  | Ring                          |
|          | 18              | 822707Д                           | 1                                  | 1  | 1  | Bearing                       |
|          | 19              | 74-1723043-Б                      | -                                  | -  | 1  | Fork                          |
|          | 20              | 1,6-О-С ГОСТ 3282-74              | -                                  | -  | 1  | Wire (L=200 mm)               |
|          | 21              | 220-1702061                       | -                                  | -  | 1  | Bolt                          |
| 22       | 74-1723044-Б1   | -                                 | -                                  | 1  | Roller                                   |                               |
| 23       | 74-1723020-Б    | 1                                 | -                                  | -  | Fork                                     |                               |
| 23a      | 74-1723020-Б-01 | -                                 | 1                                  | -  | Fork                                     |                               |

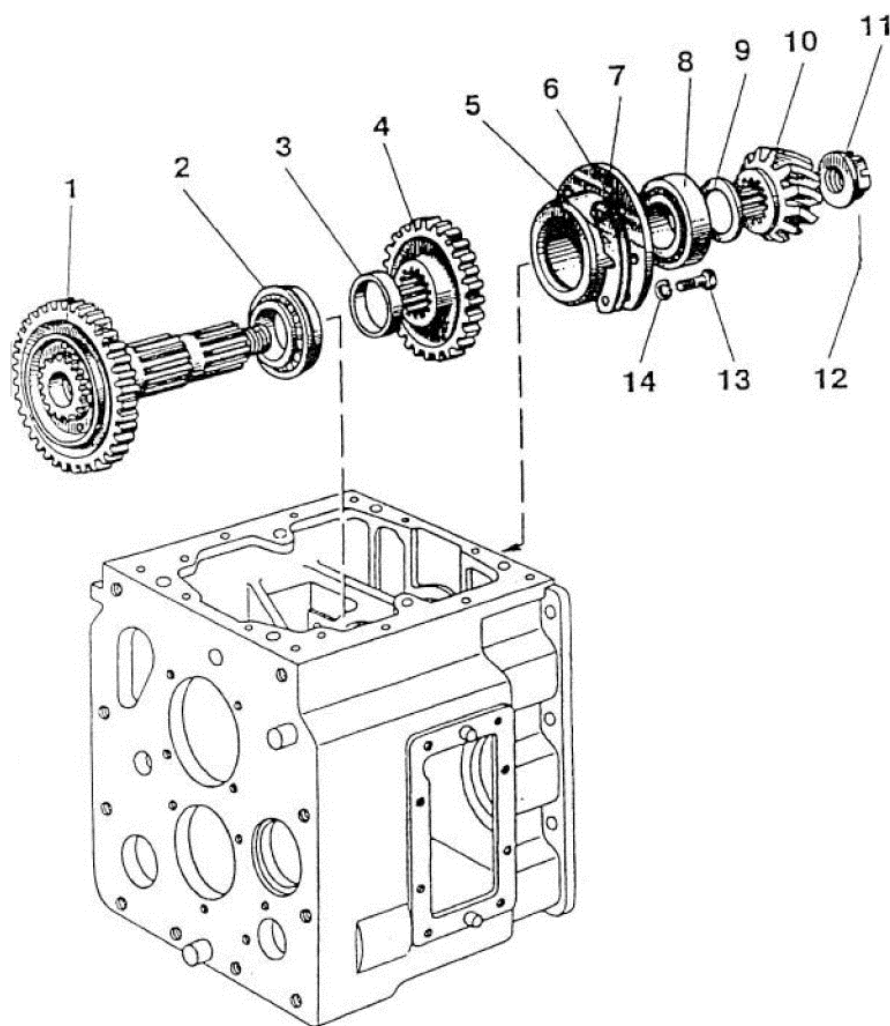


Fig.17.9. Output shaft of the synchronized gearbox

**Group 17. Gearbox  
Subgroup 1701. Output shaft of the synchronized gearbox**

| Fig. No. | Pos. No. | Designation                       | 74-1700010/-01/-03/<br>-04/-05/-06/-07<br>1021-1700010/-01/-04/<br>-05/-07 | Description   |
|----------|----------|-----------------------------------|--|---------------|
| 17.9     | 1        | 74-1701260                        | 1  | Output shaft  |
|          | 2        | 6-67512 АШ2 ГОСТ 27365-87         | 1  | Bearing       |
|          | 3        | 50-1701312                        | 1  | Bush          |
|          | 4        | 50-1701314                        | 1  | Gear          |
|          | 5        | 50-1701258                        | 10*  | Gasket 0.2 mm |
|          | 6        | 50-1701259                        | 6*   | Gasket 0.5 mm |
|          | 7        | 50-1701255                        | 1  | Cage          |
|          | 8        | 6-7610 АШ2 ГОСТ 27365-87          | 1  | Bearing       |
|          | 9        | 50-1701254-A                      | 1  | Washer        |
|          | 10       | 50-1701105-Б**                    | 1  | Gear          |
|          | 11       | 50-1701253                        | 1  | Nut           |
|          | 12       | 5x45.019 ГОСТ 397-79              | 1  | Cotter pin    |
|          | 13       | M12-6g x35.88.35.019 ГОСТ 7796-70 | 4  | Bolt          |
|          | 14       | 120T OCT 37.001.115-75            | 4  | Washer        |

\* Maximum quantity. Selection

\*\* The gear 50-1701105-Б is only delivered as a spare part complete with gear 50-2403021-Б

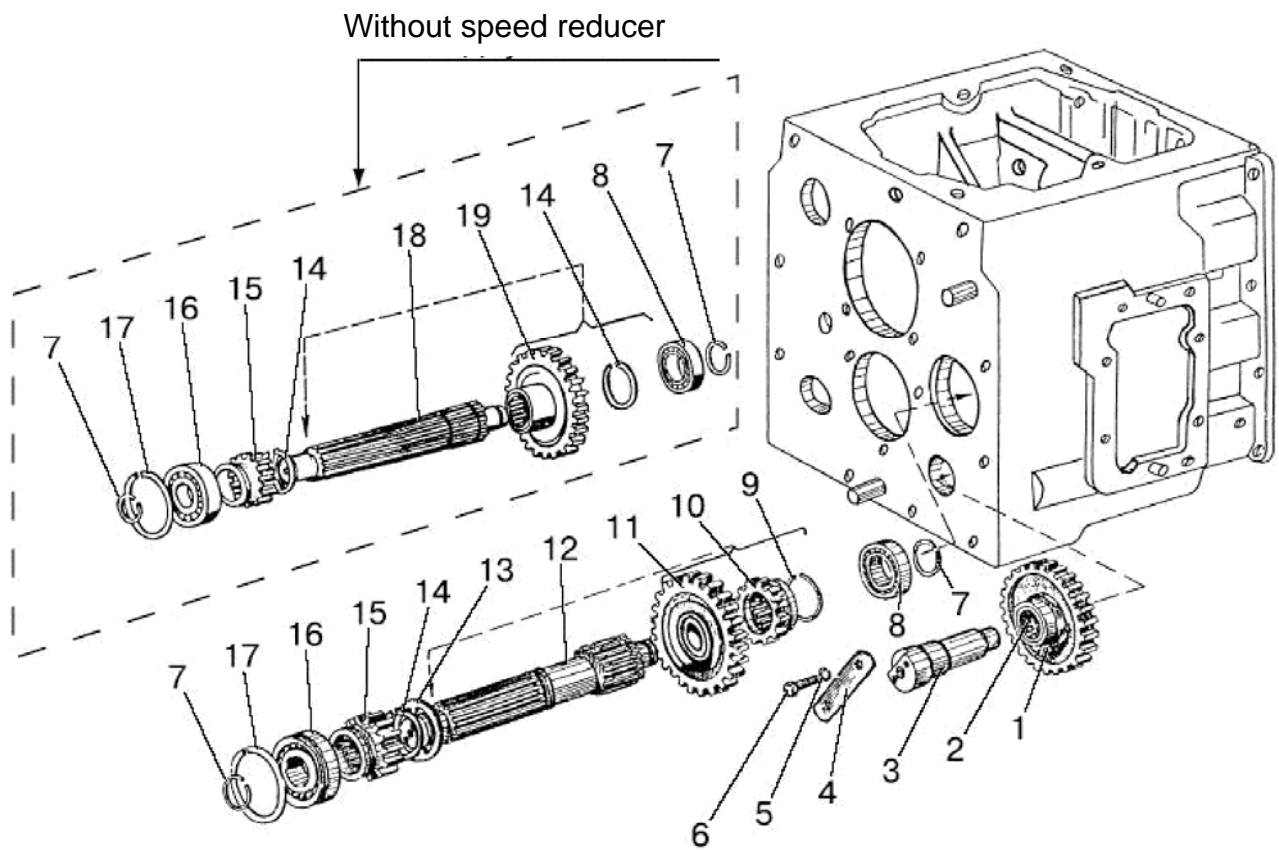


Fig.17.10. Shaft of the first gear and reverse



**Group 17. Gearbox  
Subgroup 1701. Shaft of the first gear and reverse**

| Fig. No. | Pos. No.        | Designation                           | 72-1700010-Б1-03 | 72-1700010-Б1-07 | 70-1700010-Б1/-01<br>72-1700010-Б1/-01/-08<br>74-1700010/-01/-03/-04/-05/-06/-07<br>1021-1700010/-01/-04/-05/-07 | Description                                      |
|----------|-----------------|---------------------------------------|------------------|------------------|--|--|
| 17.10    |                 | 70-1701080                            | -                | 1                | 1  | Gear (1, 2)                                      |
|          |                 | 50-1701380-A                          | -                | 1                | -  | Shaft of the first gear and reverse (7-9, 14-19) |
|          |                 | 70-1701380                            | 1                | -                | 1  | Shaft of the first gear and reverse (7-17)       |
|          | 1               | 70-1701082                            | -                | 1                | 1  | Gear   |
|          | 2               | 3KK30x35x46E<br>ТУ РБ 00234873.003-99 | -                | 1                | 1  | Bearing  |
|          | 3               | 50-1701434-A                          | -                | 1                | 1  | Shaft  |
|          | 4               | 50-1702082-A                          | 1                | 1                | 1  | Slat   |
|          | 5               | 10 ОТ ГОСТ 37.001.115-75              | 2                | 2                | 2  | Washer   |
|          | 6               | M10-6g x25.88.35.019<br>ГОСТ 7796-70  | 2                | 2                | 2  | Slat   |
|          | 7               | ХЧМ-1701163                           | 2                | 2                | 2  | Ring   |
|          | 8               | 208А ГОСТ 8338-75                     | 1                | 1                | 1  | Bearing  |
|          | 9               | 2С65 ГОСТ 13940-86                    | 1                | 1                | 1  | Ring   |
|          | 10              | 70-1701072                            | 1                | -                | 1  | Gear   |
|          | 11              | 70-1701224                            | 1                | -                | 1  | Gear   |
|          | 12              | 70-1701382                            | 1                | -                | 1  | Shaft of the first gear and reverse              |
|          | 13              | 70-1701226                            | 1                | -                | 1  | Washer   |
|          | 14              | 2С50 ГОСТ 13940-86                    | 1                | 2                | 1  | Ring   |
|          | 15              | 50-1701212-A                          | 1                | 1                | 1  | Gear   |
|          | 16              | 50308А ГОСТ 8338-75/<br>ГОСТ 2893-82  | 1                | 1                | 1  | Bearing  |
| 17       | 90 ГОСТ 2893-82 | 1                                     | 1                | 1                | Ring   |  |
| 18       | 50-1701382-A    | -                                     | 1                | -                | Shaft of the first gear and reverse  |  |
| 19       | Φ50-1701224     | -                                     | 1                | -                | Gear   |  |

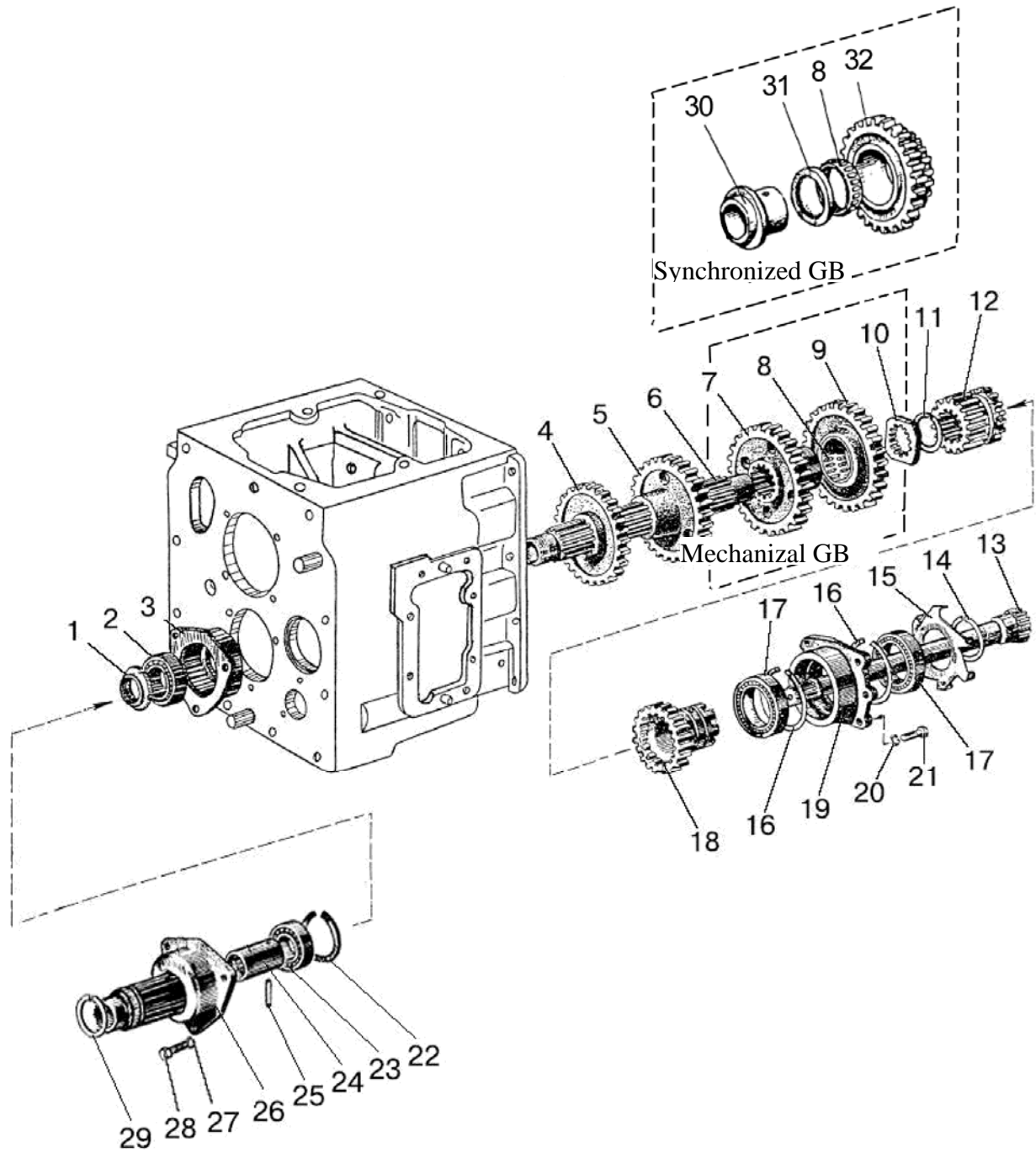


Fig.17.11. Intermediate shaft. Internal shaft.

**Group 17. Gearbox  
Subgroup 1701. Intermediate shaft. Internal shaft**

| Fig. No. | Pos. No.           | Designation                           | 70-1700010-Б1/-01<br>72-1700010-Б1/-01/-07/-08 | 72-1700010-Б1-03 | 74-1700010/-01/-03/<br>-04/-05/-06/-07<br>1021-1700010/-01/-04/<br>-05/-07 | Description        |
|----------|--------------------|---------------------------------------|--|------------------|--|--------------------|
| 17.11    |                    | Φ50-1701065*                          | 1  | 1                | -  | Gear (7-10)        |
|          |                    | 74-1701070*                           | -  | -                | 1  | Gear (8, 30-32)    |
|          |                    | 50-1701190-A                          | 1  | 1                | 1  | Gear (14-19)       |
|          | 1                  | 50-1701181                            | 1  | 1                | 1  | Nut                |
|          | 2                  | 60210AYШ1 ГОСТ 7242-81                | 1  | 1                | 1  | Bearing            |
|          | 3                  | 50-1701184                            | 1  | 1                | 1  | Bearing housing    |
|          | 4                  | 50-1701218                            | 1  | 1                | 1  | Gear               |
|          | 5                  | 50-1701216                            | 1  | 1                | 1  | Gear               |
|          | 6                  | 70-1701182-Б                          | 1  | -                | -  | Intermediate shaft |
|          |                    | 70-1701182-Б-01                       | -  | 1                | 1  | Intermediate shaft |
|          | 7                  | 50-1701214                            | 1  | 1                | -  | Gear               |
|          | 8                  | 3KK72x82x45E<br>ТУ РБ 00234873.003-99 | 1  | 1                | 1  | Bearing            |
|          | 9                  | Φ50-1701056-Б                         | 1  | 1                | -  | Gear               |
|          | 10                 | 50-1701183                            | 1  | 1                | 1  | Washer             |
|          | 11                 | 50-1701187                            | 1  | 1                | 1  | Stop               |
|          | 12                 | 70-1701196                            | 1  | 1                | 1  | Gear               |
|          | 13                 | 50-1701185                            | 1  | 1                | 1  | Internal shaft     |
|          | 14                 | 2C75 ГОСТ 13940-86                    | 1  | 1                | 1  | Ring               |
|          | 15                 | 50-1701401                            | 1  | 1                | 1  | Impeller           |
|          | 16                 | 2C115 ГОСТ 13941-86                   | 1  | 1                | 2  | Ring               |
|          | 17                 | 6-12115ЕМУШ1<br>ГОСТ 8328-75          | 1  | 1                | 2  | Bearing            |
|          | 18                 | 50-1701198-A                          | 1  | 1                | 1  | Gear               |
|          | 19                 | 50-1701195                            | 1  | 1                | 1  | Cage               |
|          | 20                 | 12 ОТ OCT 37.001.115-75               | 1  | 1                | 4  | Washer             |
|          | 21                 | M12-6g x35.88.35.019<br>ГОСТ 7796-70  | 4  | 4                | 4  | Bolt               |
|          | 22                 | 2C80 ГОСТ 13941-86                    | 1  | 1                | 1  | Ring               |
|          | 23                 | 307A ГОСТ 8338-75                     | 1  | 1                | 1  | Bearing            |
|          | 24                 | 50-1701188                            | 1  | 1                | 1  | Bush               |
|          | 25                 | A.8x45.65Г ГОСТ 14229-93              | 1  | 1                | 1  | Spring pin         |
|          | 26                 | 70-1701186                            | 1  | 1                | 1  | Front housing      |
|          | 27                 | 10 ОТ OCT 37.001.115-75               | 1  | 1                | 3  | Washer             |
|          | 28                 | M10-6g x35.88.35.019<br>ГОСТ 7796-70  | 3  | 3                | 3  | Bolt               |
| 29       | 2C60 ГОСТ 13940-86 | 1                                     | 1  | 1                | Ring   |                    |
| 30       | 74-1701055-Б       | -                                     | -  | 1                | Bush   |                    |
| 31       | 74-1701057-Б       | -                                     | -  | 1                | Bush   |                    |
| 32       | 74-1701056-Б       | -                                     | -  | 1                | Gear   |                    |

\* For ordering as spare parts

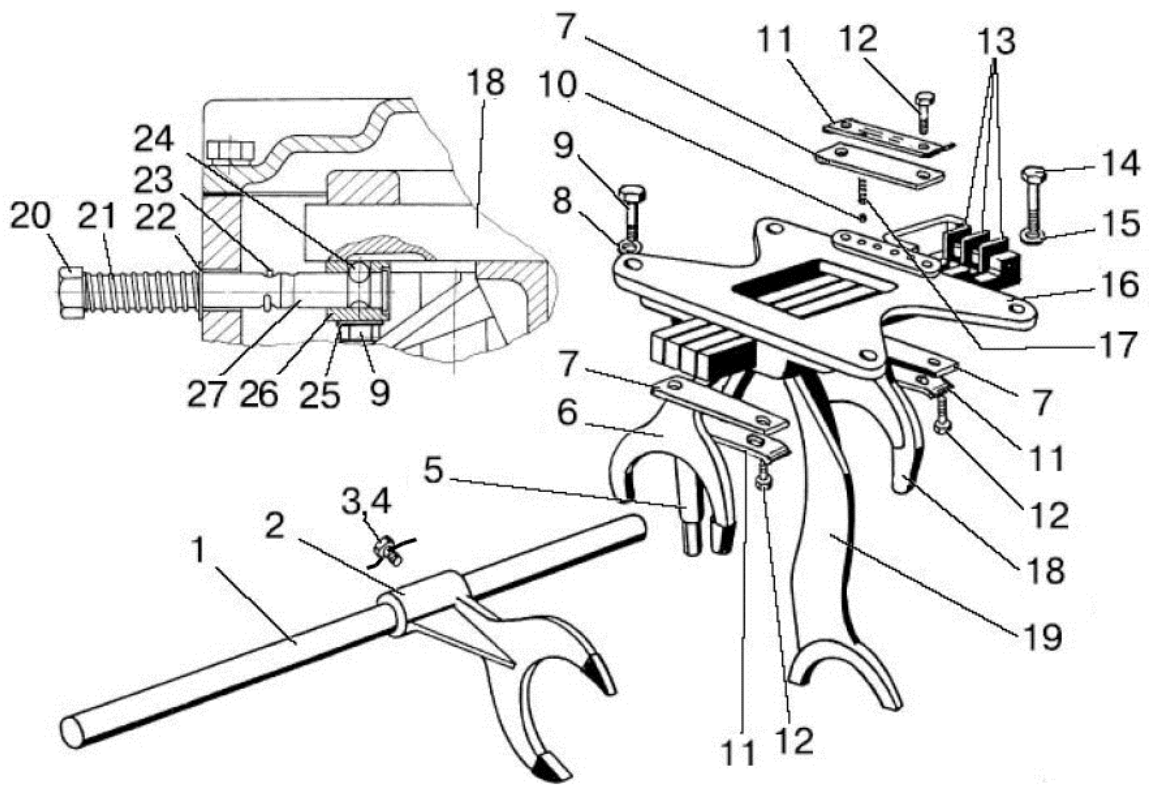


Fig.17.12. Mechanical gearbox control mechanism. Fork body.

**Group 17. Gearbox  
Subgroup 1702. Mechanical gearbox control mechanism. Fork body.**

| Fig. No. | Pos. No.               | Designation                       | 70-1700010-Б1/-01<br>72-1700010-Б1/-01/<br>-03/-07/-08 | GB 70/72-1700010-Б1-02<br>with limiting the maxi-<br>mum speed<br>(optional) | 82-1700010-01    | Description                         |
|----------|------------------------|-----------------------------------|--|--|------------------|-------------------------------------|
| 17.12    |                        | 50-1702080-A                      | 1  | -  | -                | Fork body (5-13, 16-19)             |
|          |                        | 50-1702080-A-01                   | -  | 1  | -                | Fork body (5-13, 16-27)             |
|          |                        | 822-1702080                       | -  | -  | 1                | Fork body (5-13, 16-19)             |
|          | 1                      | 50-1702063                        | 1  | 1  | 1                | Roller                              |
|          | 2                      | 50-1702028                        | 1  | 1  | 1                | Fork                                |
|          | 3                      | 36-1702110                        | 1  | 1  | 1                | Screw                               |
|          | 4                      | 1,6-O-C ГОСТ 3282-74              | 1  | 1  | 1                | Wire (L=200 mm)                     |
|          | 5                      | 50-1702095-A1                     | 1  | 1  | -                | Arm                                 |
|          |                        | 922-1702095                       | -  | -  | 1                | Arm                                 |
|          | 6                      | 50-1702116                        | 1  | 1  | 1                | Fork of the 4th and 5th gears       |
|          | 7                      | 50-1702081                        | 3  | 2  | 3                | Slat of the forks                   |
|          | 8                      | 10OT OCT 37.001.115-75            | 2  | 2  | 2                | Washer                              |
|          | 9                      | M10-6g x35.88.35.019 ГОСТ 7796-70 | 2  | 2  | 2                | Bolt                                |
|          | 10                     | 10,0-60 ГОСТ 3722-81              | 4  | 4  | 4                | Ball                                |
|          | 11                     | 50-1702107-A                      | 3  | 2  | 3                | Tightening plate                    |
|          | 12                     | M10-6g x25.88.35.019 ГОСТ 7796-70 | 6  | 6  | 6                | Bolt                                |
|          | 13                     | 50-1702083                        | 3  | 3  | 3                | Locking slat                        |
|          | 14                     | 50-1702092                        | 2  | 2  | 2                | Bolt                                |
|          | 15                     | 12OT OCT 37.001.115-75            | 2  | 2  | 2                | Washer                              |
|          | 16                     | 50-1702085                        | 1  | 1  | 1                | Fork body                           |
|          | 17                     | 50-1702148-A                      | 4  | 4  | 4                | Spring                              |
|          | 18                     | 50-1702096                        | 1  | 1  | 1                | Fork of the 3rd and 6th gears       |
|          | 19                     | 74-1702086                        | 1  | 1  | 1                | Fork of the first gear and re-verse |
|          | 20                     | 70-1702073                        | -  | 1  | -                | Rod                                 |
|          | 21                     | 70-1702077                        | -  | 1  | -                | Spring                              |
|          | 22                     | 70-4605163                        | -  | 1  | -                | Washer                              |
|          | 23                     | 2x20 ГОСТ 397-79                  | -  | 1  | -                | Cotter pin                          |
| 24       | 7,938-100 ГОСТ 3722-81 | -                                 | 1  | -  | Ball             |                                     |
| 25       | 50-1702107             | -                                 | 2  | -  | Retaining washer |                                     |
| 26       | 70-1702072             | -                                 | 1  | -  | Bracket          |                                     |
| 27       | 70-1702071             | -                                 | 1  | -  | Rod              |                                     |

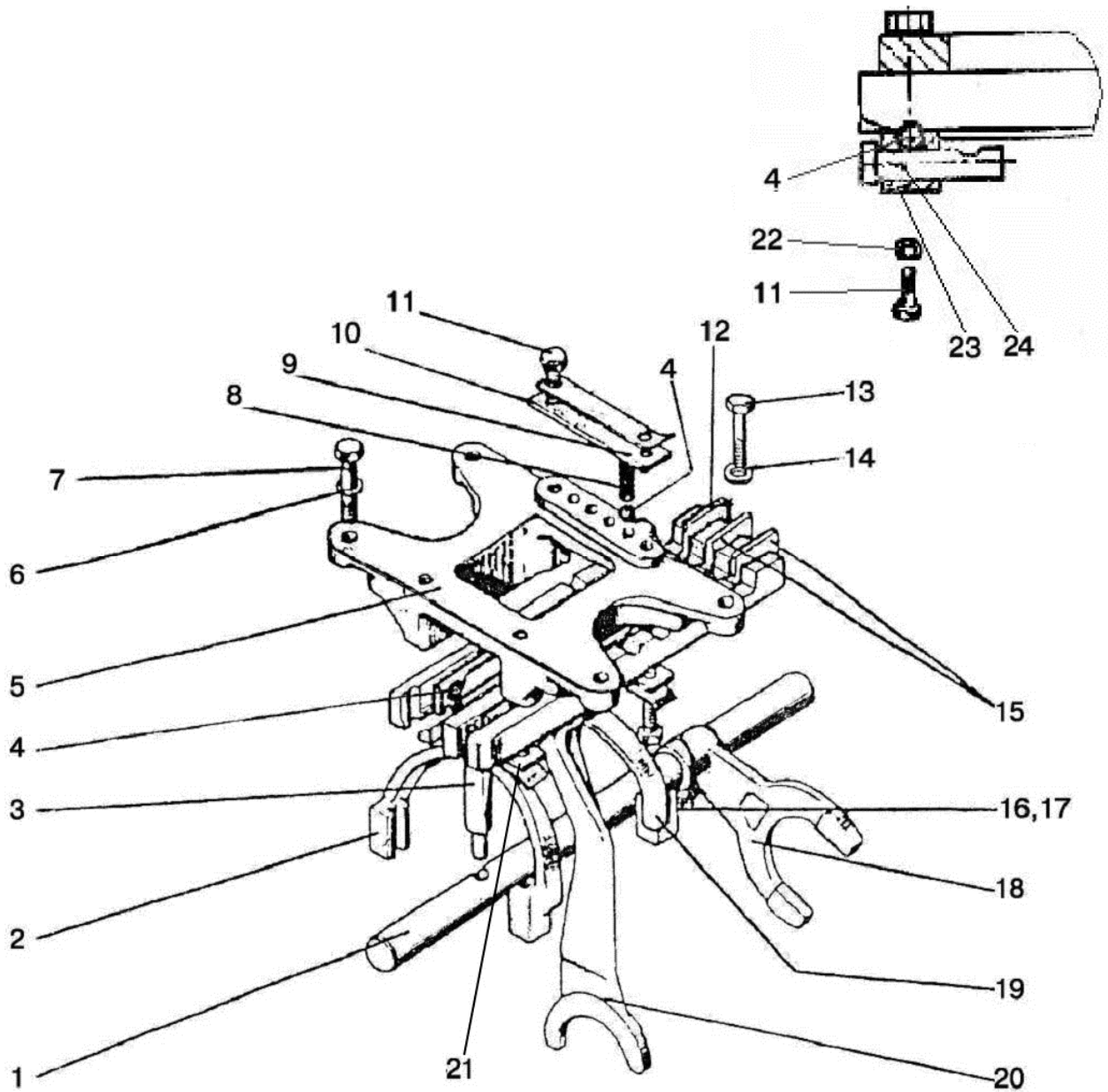


Fig.17.13. Synchronized gearbox control mechanism. Fork body.

**Group 17. Gearbox  
Subgroup 1702. Synchronized gearbox control mechanism. Fork body.**

| Fig. No. | Pos. No.      | Designation                          | 1021-1700010/<br>-01/-04/-05 | 1021-1700010-07 | 74-1700010/-01/<br>-04/-05 | 74-1700010-03 | 74-1700010-06/-07                                 | Description                               |
|----------|---------------|--------------------------------------|------------------------------|-----------------|----------------------------|---------------|---|---|
| 17.13    |               | 922-1702080                          | 1                            | -               | -                          | -             | -   | Fork body (2-5, 8-13, 15, 19-21)          |
|          |               | 922-1702080-02                       | -                            | 1               | -                          | -             | -   | Fork body (2-5, 8-13, 15, 19-20, 22-24)   |
|          |               | 74-1702080                           | -                            | -               | 1                          | -             | -   | Fork body (2-5, 8-12, 15, 19, 20)         |
|          |               | 74-1702080-01                        | -                            | -               | -                          | 1             | -   | Fork body (2-5, 8-12, 15, 19, 20, 22-24)  |
|          |               | 74-1702080-02                        | -                            | -               | -                          | -             | 1   | Fork body (2-5, 8-12, 15, 19, 20, 22-24)  |
|          | 1             | 50-1702063                           | 1                            | 1               | 1                          | 1             | 1   | Roller                                    |
|          | 2             | 74-1702096                           | 1                            | 1               | 1                          | 1             | 1   | Fork of the 4 <sup>th</sup> (direct) gear |
|          | 3             | 922-1702095                          | 1                            | 1               | -                          | -             | -   | Arm                                       |
|          |               | 74-1702095                           | -                            | -               | 1                          | 1             | 1   | Arm                                       |
|          | 4             | 10,0-60 ГОСТ 3722-81                 | 5                            | 6               | 5                          | 6             | 6   | Ball                                      |
|          | 5             | 50-1702085                           | 1                            | 1               | 1                          | 1             | 1   | Fork body                                 |
|          | 6             | 10 OT<br>OCT 37.001.115-75           | 2                            | 2               | 2                          | 2             | 2   | Washer                                    |
|          | 7             | M10-6g x30.88.35.019<br>ГОСТ 7796-70 | 2                            | 2               | 2                          | 2             | 2   | Bolt                                      |
|          | 8             | 50-1702148-A                         | 4                            | 4               | 4                          | 4             | 4   | Spring                                    |
|          | 9             | 50-1702081                           | 2                            | 2               | 3                          | 2             | 2   | Slat of the forks                         |
|          | 10            | 50-1702107-A                         | 3                            | 2               | 3                          | 2             | 2   | Tightening plate                          |
|          | 11            | M10-6g x25.88.35.019<br>ГОСТ 7796-70 | 6                            | 6               | 6                          | 6             | 6   | Bolt                                      |
|          | 12            | 74-1702040                           | 1                            | 1               | 1                          | 1             | 1   | Slat                                      |
|          | 13            | 50-1702092                           | 2                            | 2               | 2                          | 2             | 2   | Bolt                                      |
|          | 14            | 12OT<br>OCT 37.001.115-75            | 2                            | 2               | 2                          | 2             | 2   | Washer                                    |
|          | 15            | 50-1702083                           | 2                            | 2               | 2                          | 2             | 2   | Locking slat                              |
|          | 16            | 36-1702110                           | 1                            | 1               | 1                          | 1             | 1   | Screw                                     |
|          | 17            | 1,6-O-C ГОСТ 3282-74                 | 1                            | 1               | 1                          | 1             | 1   | Wire (L=200 mm)                           |
|          | 18            | 50-1702028                           | 1                            | 1               | 1                          | 1             | 1   | Fork                                      |
| 19       | 74-1702116    | 1                                    | 1                            | 1               | 1                          | 1             | Fork of 2 <sup>nd</sup> and 3 <sup>rd</sup> gears |   |
| 20       | 74-1702086    | 1                                    | 1                            | 1               | 1                          | 1             | Fork of the first gear and reverse                |   |
| 21       | 74-1702081    | 1                                    | -                            | -               | -                          | -             | Slat  |   |
| 22       | 50-1702107    | -                                    | 2                            | -               | 2                          | 2             | Retaining washer                                  |   |
| 23       | 74-1702201    | -                                    | 1                            | -               | 1                          | 1             | Casing  |   |
| 24       | 74-1702202    | -                                    | -                            | -               | 1                          | -             | Arm   |   |
|          | 74-1702202-01 | -                                    | 1                            | -               | -                          | 1             | Arm   |   |

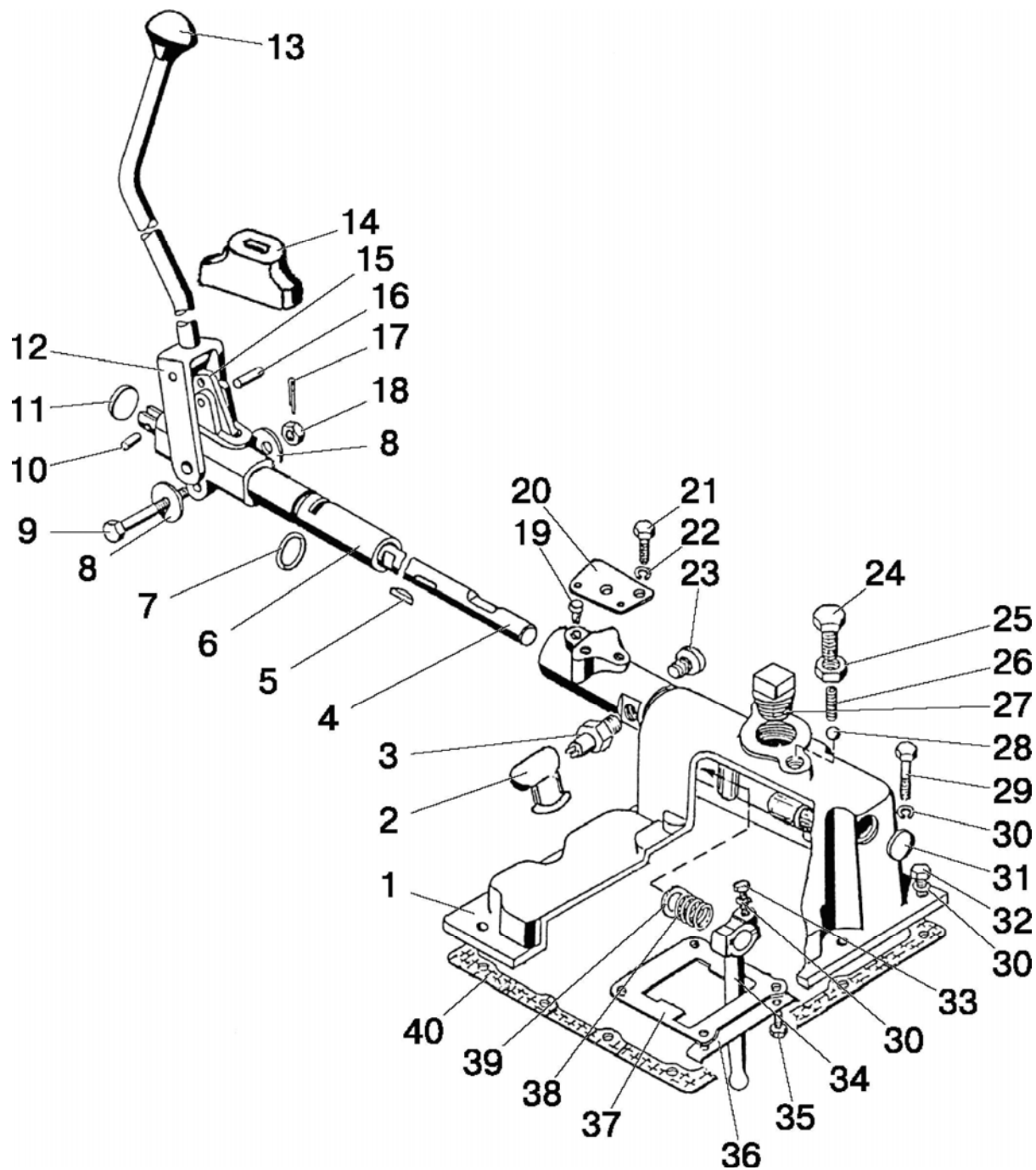


Fig.17.14. Right single-lever gearbox control mechanism.



**Group 17. Gearbox  
Subgroup 1703. Right single-lever gearbox control mechanism.**

| Fig. No. | Pos. No.     | Designation                             | 70-1700010-Б1/-01<br>72-1700010-Б1 | 72-1700010-Б1-01/<br>-03/-07/-08 | 74-1700010/<br>-04/-06 | 74-1700010-01/<br>-03/-05/-07 | Description          |
|----------|--------------|---|------------------------------------|----------------------------------|------------------------|-------------------------------|----------------------|
| 17.14    |              | 70-1703010-A1                           | 1                                  | -                                | -                      | -                             | Gearbox cover (1-39) |
|          |              | 70-1703010-A1-01                        | -                                  | 1                                | -                      | -                             | Gearbox cover (1-39) |
|          |              | 70-1703010-A1-02                        | -                                  | -                                | 1                      | -                             | Gearbox cover (1-39) |
|          |              | 70-1703010-A1-03                        | -                                  | -                                | -                      | 1                             | Gearbox cover (1-39) |
|          | 1            | 70-1703025-Б                            | 1                                  | 1                                | 1                      | 1                             | Cover                |
|          | 2            | 50Л-3724050                             | 1                                  | 1                                | 1                      | 1                             | Boot                 |
|          | 3            | БК 12-51 ТУ РБ 37334210.015-97          | 1                                  | 1                                | 1                      | 1                             | Switch               |
|          | 4            | 70-1703201-Б-01                         | 1                                  | 1                                | 1                      | 1                             | Shaft                |
|          | 5            | СШ-611                                  | 1                                  | 1                                | 1                      | 1                             | Key                  |
|          | 6            | 70-1703210-Б                            | 1                                  | 1                                | 1                      | 1                             | Support              |
|          | 7            | 030-034-25-1-4<br>ГОСТ 18829-73/9833-73 | 1                                  | 1                                | 1                      | 1                             | Ring                 |
|          | 8            | С12.01.019 ГОСТ 6958-78                 | 2                                  | 2                                | 2                      | 2                             | Washer               |
|          | 9            | 50-2403034-01                           | 1                                  | 1                                | 1                      | 1                             | Bolt                 |
|          | 10           | ШЦК 8x20                                | 1                                  | 1                                | 1                      | 1                             | Pin                  |
|          | 11           | 35-10кп.Ц9.Хр ГОСТ 3111-81              | 1                                  | 1                                | 1                      | 1                             | Choke                |
|          | 12           | 70-1703220-A                            | 1                                  | 1                                | 1                      | 1                             | Lever                |
|          | 13           | 70-1702125                              | 1                                  | 1                                | 1                      | 1                             | Handle               |
|          | 14           | 70-1703203-A                            | 1                                  | 1                                | 1                      | 1                             | Boot                 |
|          | 15           | 70-1703202-A                            | 1                                  | 1                                | 1                      | 1                             | Arm                  |
|          | 16           | ШЦК 8x25                                | 1                                  | 1                                | 1                      | 1                             | Pin                  |
|          | 17           | 3,2x25.019 ГОСТ 397-79                  | 1                                  | 1                                | 1                      | 1                             | Cotter pin           |
|          | 18           | M12-6H.04.019 ГОСТ 5919-73              | 1                                  | 1                                | 1                      | 1                             | Nut                  |
|          | 19           | 70-1703205                              | 1                                  | 1                                | 1                      | 1                             | Stop                 |
|          | 20           | 80-3503048                              | 1                                  | -                                | 1                      | -                             | Bracket              |
|          |              | 952-1802030                             | -                                  | 1                                | -                      | 1                             | Bracket              |
|          | 21           | M12-6g x20.88.35.019 ГОСТ 7796-70       | 2                                  | 2                                | 2                      | 2                             | Bolt                 |
|          | 22           | 12 ОТ OCT 37.001.115-75                 | 2                                  | 2                                | 2                      | 2                             | Washer               |
|          | 23           | 70-1702053                              | 1                                  | 1                                | 1                      | 1                             | Plug                 |
|          | 24           | 70-1703204                              | 1                                  | 1                                | 1                      | 1                             | Bolt                 |
|          | 25           | M16-6H.04.019 ГОСТ 5916-70              | 1                                  | 1                                | 1                      | 1                             | Nut                  |
|          | 26           | 50-1702148-A                            | 1                                  | 1                                | 1                      | 1                             | Spring               |
|          | 27           | ПК КГ 11/4"                             | 1                                  | 1                                | 1                      | 1                             | Plug                 |
|          | 28           | 13,8-60                                 | 1                                  | 1                                | 1                      | 1                             | Ball                 |
|          | 29           | M10-6g x60.88.35.019 ГОСТ 7795-70       | 2                                  | 2                                | 2                      | 2                             | Bolt                 |
|          | 30           | 10 ОТ OCT 37.001.115-75                 | 13                                 | 13                               | 13                     | 13                            | Washer               |
|          | 31           | 28-10кп.Ц9.хр ГОСТ 3111-81              | 1                                  | 1                                | 1                      | 1                             | Choke                |
|          | 32           | M10-6g x35.88.35.019 ГОСТ 7796-70       | 10                                 | 10                               | 10                     | 10                            | Bolt                 |
|          | 33           | M10-6g x30.88.35.019 ГОСТ 7796-70       | 1                                  | 1                                | 1                      | 1                             | Bolt                 |
|          | 34           | 70-1703011                              | 1                                  | 1                                | 1                      | 1                             | Lever                |
|          | 35           | M10-6g x18.88.35.019 ГОСТ 7796-70       | 4                                  | 4                                | 4                      | 4                             | Bolt                 |
| 36       | 50-1702107-A | 2                                       | 2                                  | 2                                | 2                      | Tightening plate              |                      |
| 37       | 70-1703084   | 1                                       | 1                                  | -                                | -                      | Plate                         |                      |
|          | 74-1702084   | -                                       | -                                  | 1                                | 1                      | Plate                         |                      |
| 38       | 70-1703057   | 1                                       | 1                                  | 1                                | 1                      | Spring                        |                      |
| 39       | 70-1703058   | 1                                       | 1                                  | 1                                | 1                      | Washer                        |                      |
| 40       | 50-1702026   | 1                                       | 1                                  | 1                                | 1                      | Gasket                        |                      |

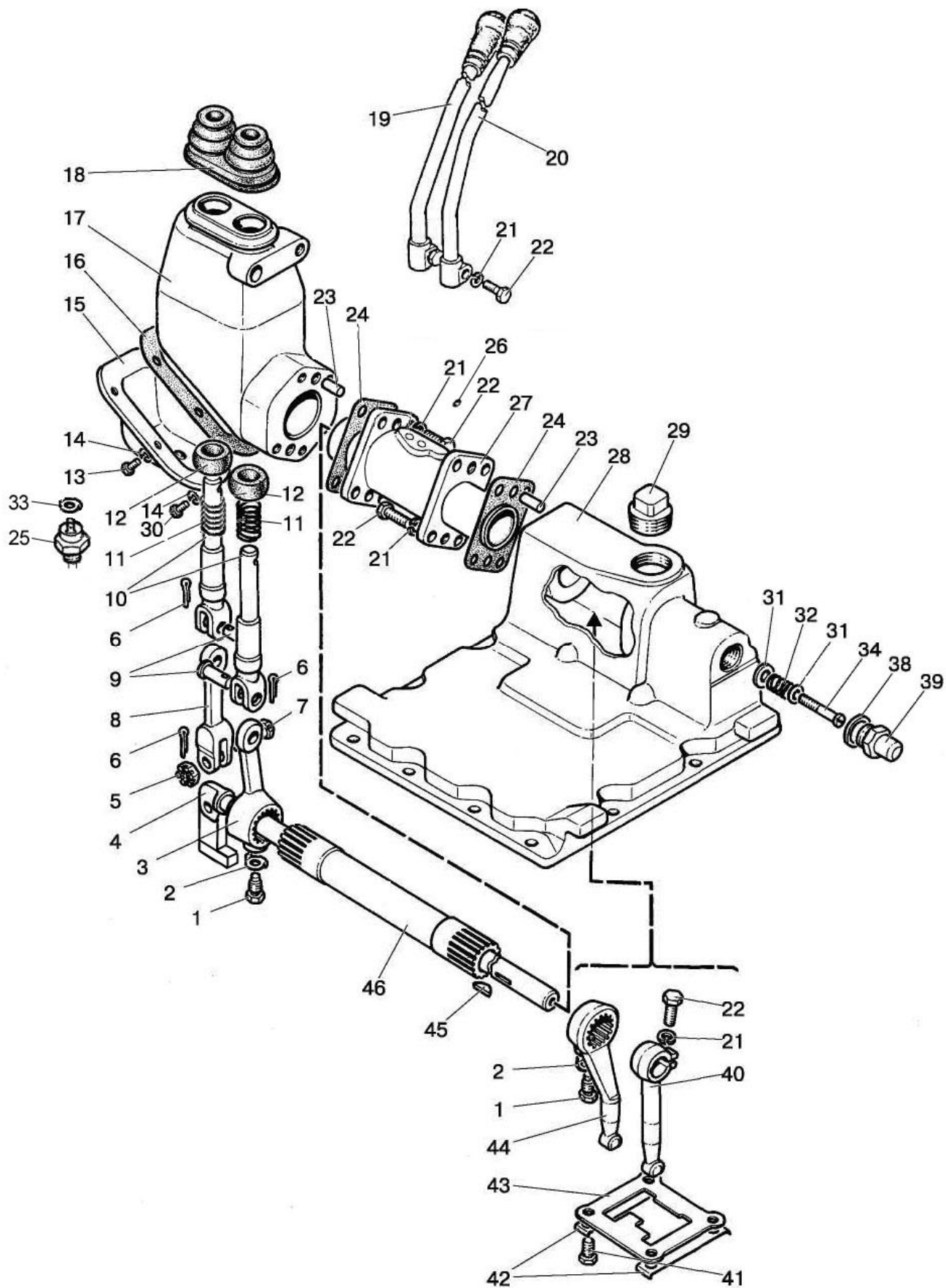


Fig.17.15. Right two-lever gearbox control mechanism

**Group 17. Gearbox  
Subgroup 1703. Right two-lever gearbox control mechanism.**

| Fig. No. | Pos. No.    | Designation                       | 1021-1700010/<br>-01/-04/-05/07 | 82-1700010-01 | Description                          |
|----------|-------------|-----------------------------------|---------------------------------|---------------|--------------------------------------|
| 17.15    |             | 920-1702010                       | 1                               | -             | Gearbox control (1-18, 21-34, 38-46) |
|          |             | 920-1702010-03                    | -                               | 1             | Gearbox control (1-18, 21-34, 38-46) |
|          |             | 920-1702090                       | 1                               | 1             | Casing (1-18, 21-24, 27, 30, 45, 46) |
|          | 1           | 922-1702021                       | 2                               | 2             | Bolt                                 |
|          | 2           | 50-1702107                        | 2                               | 2             | Plate                                |
|          | 3           | 922-1702017                       | 1                               | 1             | Lever                                |
|          | 4           | 920-1702020                       | 1                               | 1             | Shaft                                |
|          | 5           | M12-6H.04.019 ГОСТ 5919-73        | 1                               | 1             | Nut                                  |
|          | 6           | 3,2x18.019 ГОСТ 397-79            | 3                               | 3             | Cotter pin                           |
|          | 7           | 80-1702108                        | 1                               | 1             | Bolt                                 |
|          | 8           | 922-1702018                       | 1                               | 1             | Fork                                 |
|          | 9           | 12x32 OCT 37.001.163-75           | 2                               | 2             | Pin                                  |
|          | 10          | 80C-1702074                       | 2                               | 2             | Fork                                 |
|          | 11          | 77.37.117                         | 2                               | 2             | Spring                               |
|          | 12          | 142-1702032                       | 2                               | 2             | Sphere                               |
|          | 13          | B.M6-6g x20.58.019 ГОСТ 17473-80  | 4                               | 4             | Screw                                |
|          | 14          | 6T OCT 37.001.115-75              | 5                               | 5             | Washer                               |
|          | 15          | 920-1702023                       | 1                               | 1             | Cover                                |
|          | 16          | 922-1702024                       | 1                               | 1             | Gasket                               |
|          | 17          | 922-1702011-01                    | 1                               | 1             | Casing                               |
|          | 18          | 922-1702019                       | 1                               | 1             | Boot                                 |
|          | 19          | 920-1702060/-01                   | 1                               | 1             | Lever                                |
|          | 20          | 920-1702050                       | 1                               | 1             | Lever                                |
|          | 21          | 10 OT OCT 37.001.115-75           | 11                              | 11            | Washer                               |
|          | 22          | M10-6g x30.88.35.019 ГОСТ 7796-70 | 11                              | 11            | Bolt                                 |
|          | 23          | ШЦК 10x25                         | 4                               | 4             | Pin                                  |
|          | 24          | 922-1702026                       | 2                               | 2             | Gasket                               |
|          | 25          | BK 12-41 ТУ РБ 37334210.015-97    | 1                               | 1             | Switch                               |
|          | 26          | 923-1702023                       | -                               | 4             | Choke                                |
|          | 27          | 920-1702012                       | 1                               | 1             | Spacer                               |
|          | 28          | 922-1702025                       | 1                               | 1             | Cover                                |
|          | 29          | 50-1701130                        | 1                               | 1             | Breather                             |
|          | 30          | B.M6-6g x50.58.019 ГОСТ 17473-80  | 1                               | 1             | Screw                                |
|          | 31          | C12.01.019 ГОСТ 11371-78          | 2                               | 2             | Washer                               |
|          | 32          | 920-1702313                       | 1                               | 1             | Spring                               |
|          | 33          | 50-1702048                        | 3*                              | 3*            | Adjusting spacer                     |
|          | 34          | 920-1702314                       | 1                               | 1             | Screw                                |
|          | 38          | 80-1702098                        | 1                               | 1             | Washer                               |
|          | 39          | 80C-1702302                       | 1                               | 1             | Casing                               |
|          | 40          | 70-1703011                        | 1                               | 1             | Lever                                |
|          | 41          | M10-6gx18.88.35.019 ГОСТ 7796-70  | 4                               | 4             | Bolt                                 |
|          | 42          | 50-1702107-A                      | 2                               | 2             | Tightening plate                     |
|          | 43          | 922-1702084                       | 1                               | -             | Plate                                |
|          |             | 822-1702084                       | -                               | 1             | Plate                                |
|          | 44          | 920-1702016                       | 1                               | 1             | Lever                                |
|          | 45          | СШ-611                            | 1                               | 1             | Key                                  |
| 46       | 920-1702015 | 1                                 | 1                               | Pipe          |                                      |

\* Maximum quantity. Selection

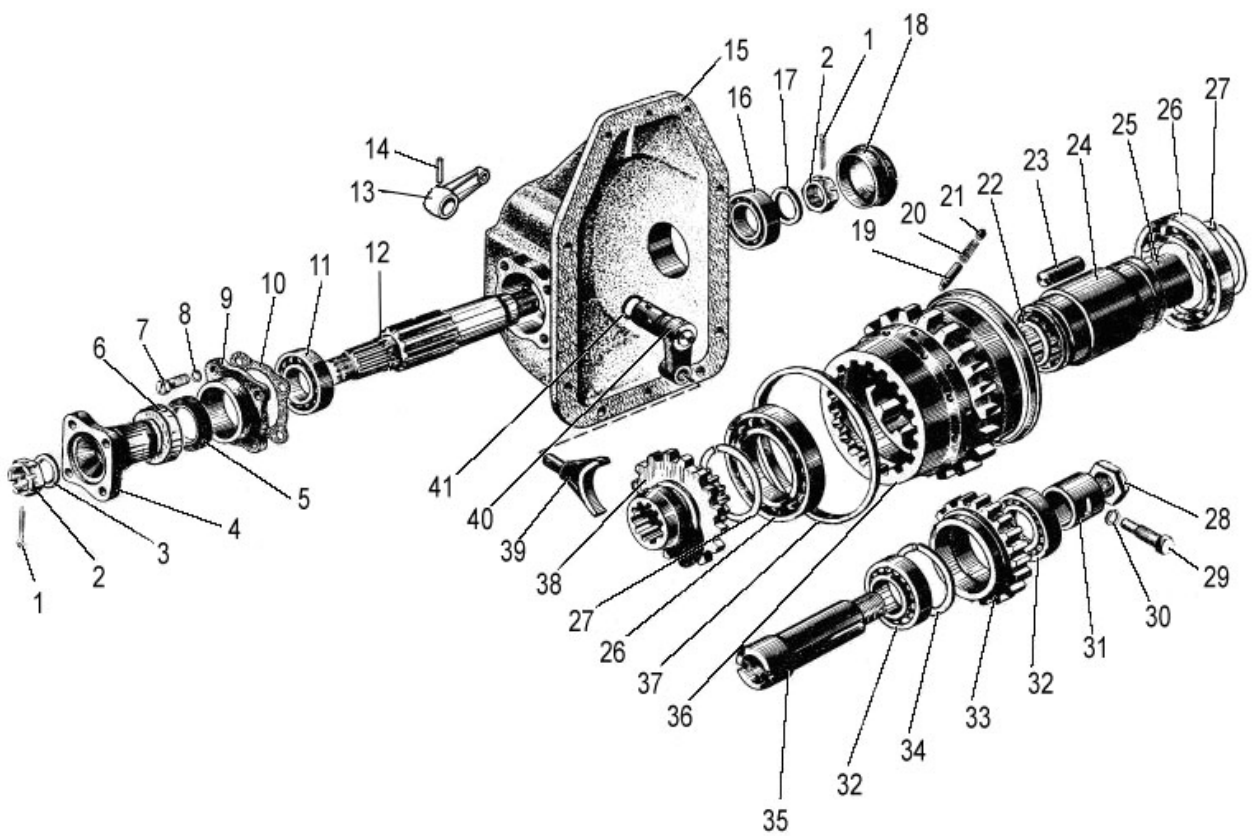


Fig.18.1. Transfer gearbox (for Belarus-920/920.2/920.3/952/952.2/952.3)

**Group 18. Transfer gearbox**  
**Subgroup 1802. Transfer gearbox**  
 (for Belarus-920/920.2/920.3/952/952.2/952.3)

| Fig. No. | Pos. No. | Designation                          | Q-ty  | Description   |            |
|----------|----------|--------------------------------------|---|---|------------|
| 18.1     |          | 72-1802020                           | 1   | Transfer gearbox (1-27,36-41)                       |            |
|          |          | 72-1802060                           | 1   | Gear with free-wheeling clutch (19-21, 23-27,36,37) |            |
|          |          | 72-1802062-A1                        | 1   | Bush (24,25)  |            |
|          |          | 52-1802094PH                         | 1   | Shaft (28,35)                                       |            |
|          |          | 52-1802095-B                         | 1   | Intermediate gear (32-34)                           |            |
|          |          | 52-1802100-A                         | 1   | Casing (5,6,9)                                      |            |
|          |          | 52-1802110-A                         | 1   | Roller set (19-21,24)                               |            |
|          |          | 72-1802125PB                         | 1   | Gear (12,19-27,36-38)                               |            |
|          | 1        |                                      | 4x25.019 ГОСТ 397-79  | 2   | Cotter pin |
|          | 2        |                                      | 70-3003032  | 2   | Nut        |
|          | 3        |                                      | 52-1802079  | 1   | Washer     |
|          | 4        |                                      | 52-1802078-A  | 1   | Flange     |
|          | 5        |                                      | 2.2-38x58-1<br>ГОСТ 8752-79/OCT 3805146-78                              | 1   | Cuff       |
|          | 6        |                                      | 72-1802108  | 1   | Fixture    |
|          | 7        |                                      | M8-6gx25.88.35.019 ГОСТ 7796-70   | 4   | Bolt       |
|          | 8        |                                      | 8T OCT 37.001.115-75  | 4   | Washer     |
|          | 9        |                                      | 52-1802073  | 1   | Casing     |
|          | 10       |                                      | 52-1802074  | 1   | Gasket     |
|          | 11       |                                      | 306A ГОСТ 8338-75   | 1   | Bearing    |
|          | 12       |                                      | 72-1802063  | 1   | Shaft      |
|          | 13       |                                      | 72-1802082  | 1   | Lever      |
|          | 14       |                                      | A.10x40.65Г<br>Chemical phosphate oil-impregnated coating ГОСТ 14229-93 | 1   | Pin        |
|          | 15       |                                      | 52-1602065-A  | 1   | Casing     |
|          | 16       |                                      | 305A ГОСТ 8338-75   | 1   | Bearing    |
|          | 17       |                                      | 72-1802064  | 1   | Washer     |
|          | 18       |                                      | 52-1802076  | 1   | Cover      |
|          | 19       |                                      | 52-1802069-B  | 16  | Pin        |
|          | 20       |                                      | 52-1802066-A  | 16  | Spring     |
|          | 21       |                                      | 52-1802111  | 16  | Plug       |
|          | 22       |                                      | 70-1601082  | 2   | Washer     |
|          | 23       |                                      | 52-1802077 or   | 8   | Roller     |
|          |          |                                      | 52-1802077PH  | 8   | Roller     |
|          | 24       |                                      | 72-1802131-B  | 1   | Bush       |
|          | 25       |                                      | 943/30 ГОСТ 4060-78   | 2   | Bearing    |
|          | 26       |                                      | 115K5 ГОСТ 8338-75  | 2   | Bearing    |
|          | 27       |                                      | 52-1802102-A  | 2   | Ring       |
|          | 28       |                                      | 52-1802128  | 1   | Nut        |
|          | 29       |                                      | 52-1802093  | 1   | Screw      |
|          | 30       |                                      | 12 OT OCT 37.001.115-75   | 1   | Washer     |
|          | 31       |                                      | 52-1802092-B  | 1   | Bush       |
|          | 32       |                                      | 7306A ГОСТ 27365-87   | 2   | Bearing    |
| 33       |          | 52-1802091                           | 1   | Gear  |            |
| 34       |          | 52-1802097                           | 1   | Ring  |            |
| 35       |          | 52-1802094                           | 1   | Shaft   |            |
| 36       |          | 52-1802061-A                         | 1   | Gear  |            |
| 37       |          | 52-1802067                           | 2   | Fixture   |            |
| 38       |          | 72-1802068                           | 1   | Clutch  |            |
| 39       |          | 52-1802084                           | 1   | Fork  |            |
| 40       |          | 52-1802080-B1                        | 1   | Roller with lever                                   |            |
| 41       |          | 020-025-30-1-4 ГОСТ 18829-73/9833-73 | 1   | Ring  |            |

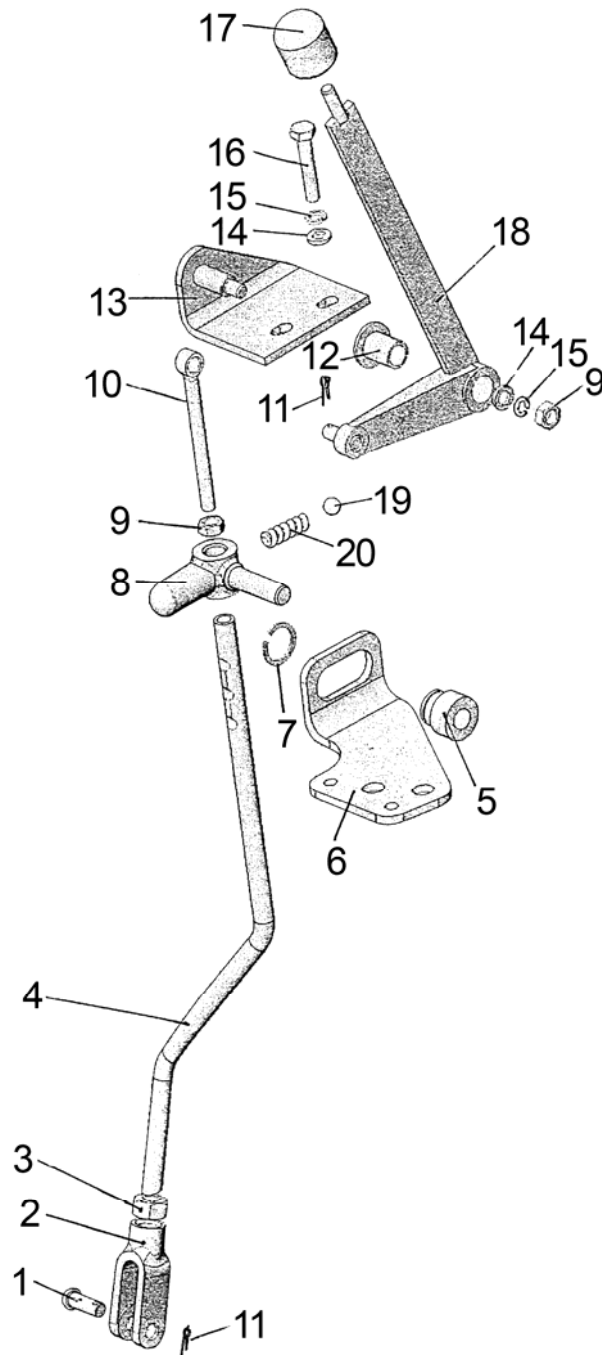


Fig.18.2. Transfer gearbox control (for single-lever gearbox control mechanism)

## Group 18. Transfer gearbox

## Subgroup 1802. Transfer gearbox control (for single-lever gearbox control mechanism)

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description |
|----------|----------|---------------------------------|------|-------------|
| 18.2     | 1        | 8x30 OCT 37.001.163-75          | 1    | Pin         |
|          | 2        | 952-1802012                     | 1    | Fork        |
|          | 3        | M12x1,25-6H.6.019 ГОСТ 5915-70  | 1    | Nut         |
|          | 4        | 952-1802026                     | 1    | Rod         |
|          | 5        | 952-1802032                     | 1    | Bush        |
|          | 6        | 952-1802031-A                   | 1    | Bracket     |
|          | 7        | C20 ГОСТ 13940-86               | 1    | Ring        |
|          | 8        | 952-1802027                     | 1    | Guide       |
|          | 9        | M8-6H.6.019 ГОСТ 5915-70        | 2    | Nut         |
|          | 10       | 952-1802011                     | 1    | Rod         |
|          | 11       | 3,2x18.019 ГОСТ 397-79          | 2    | Cotter pin  |
|          | 12       | 50-4607082-A                    | 1    | Bush        |
|          | 13       | 952-1802020                     | 1    | Bracket     |
|          | 14       | C 8.01.019 ГОСТ 6958-78         | 3    | Washer      |
|          | 15       | 8T OCT 37.001.115-75            | 3    | Washer      |
|          | 16       | M8-6gx30.88.35.019 ГОСТ 7796-70 | 2    | Bolt        |
|          | 17       | A13.11.000                      | 1    | Handle      |
|          | 18       | 952-1802015                     | 1    | Lever       |
|          | 19       | 10,0-60 ГОСТ 3722-81            | 1    | Ball        |
|          | 20       | 50-1702148-A                    | 1    | Spring      |

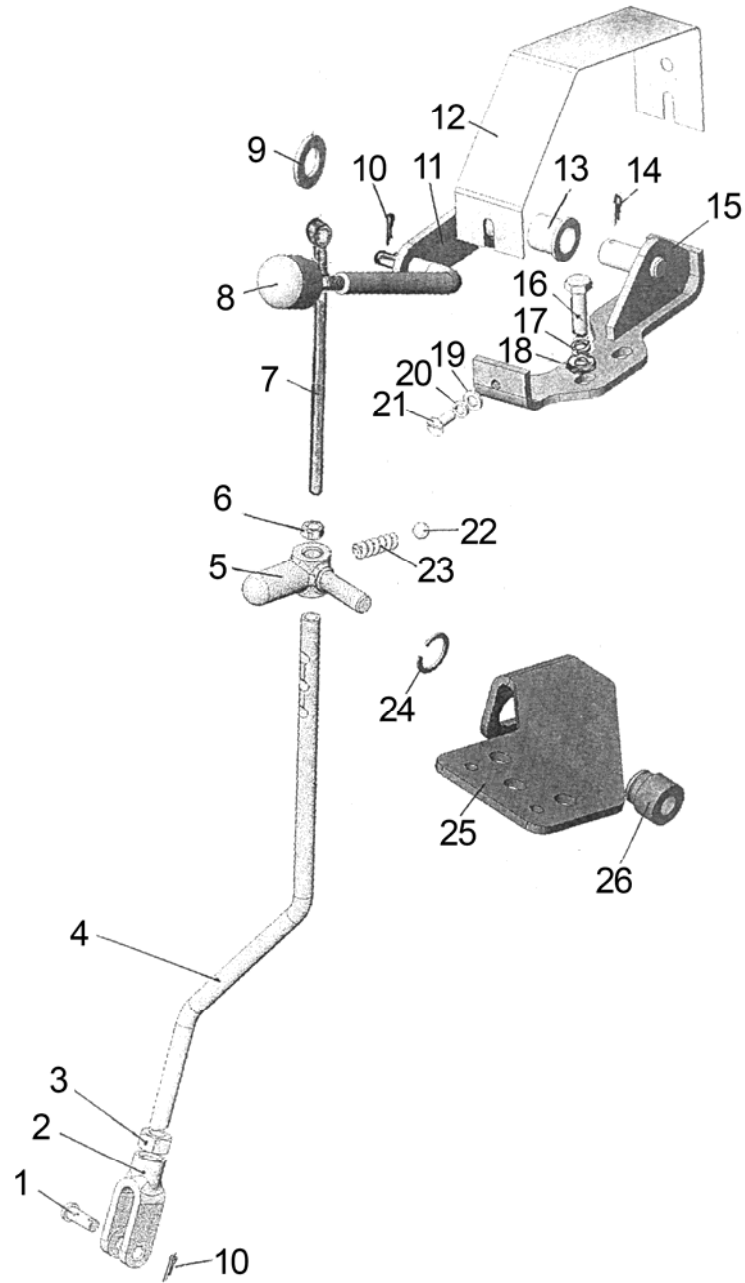


Fig.18.3. Transfer gearbox control (for two-lever gearbox control mechanism)



**Group 18. Transfer gearbox**

**Subgroup 1802. Transfer gearbox control (for two-lever gearbox control mechanism)**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description |
|----------|----------|---------------------------------|------|-------------|
| 18.3     | 1        | 8x30 OCT 37.001.163-75          | 1    | Pin         |
|          | 2        | 952-1802012                     | 1    | Fork        |
|          | 3        | M12x1,25-6H.6.019 ГОСТ 5915-70  | 1    | Nut         |
|          | 4        | 920-1802026                     | 1    | Rod         |
|          | 5        | 952-1802027                     | 1    | Guide       |
|          | 6        | M8-6H.6.019 ГОСТ 5915-70        | 1    | Nut         |
|          | 7        | 952-1802011                     | 1    | Rod         |
|          | 8        | A13.11.000                      | 1    | Handle      |
|          | 9        | C 14.01.019 ГОСТ 11371-78       | 1    | Washer      |
|          | 10       | 3,2x18.019 ГОСТ 397-79          | 2    | Cotter pin  |
|          | 11       | 920-1802015                     | 1    | Lever       |
|          | 12       | 920-1802012                     | 1    | Housing     |
|          | 13       | 70-4605308-Б                    | 1    | Bush        |
|          | 14       | 3,2x20.019 ГОСТ 397-79          | 1    | Cotter pin  |
|          | 15       | 920-1802020                     | 1    | Bracket     |
|          | 16       | M8-6gx35.88.35.019 ГОСТ 7796-70 | 2    | Bolt        |
|          | 17       | 8T OCT 37.001.115-75            | 2    | Washer      |
|          | 18       | C 8.01.019 ГОСТ 6958-78         | 2    | Washer      |
|          | 19       | C.6.01.019 ГОСТ 6958-78         | 2    | Washer      |
|          | 20       | 6T OCT 37.001.115-75            | 2    | Washer      |
|          | 21       | B.M6-6gx14.58.019 ГОСТ 17473-80 | 2    | Screw       |
|          | 22       | 10,0-60 ГОСТ 3722-81            | 1    | Ball        |
|          | 23       | 50-1702148-A                    | 1    | Spring      |
|          | 24       | C20 ГОСТ 13940-86               | 1    | Ring        |
|          | 25       | 920-1802031-A                   | 1    | Bracket     |
|          | 26       | 952-1802032                     | 1    | Bush        |

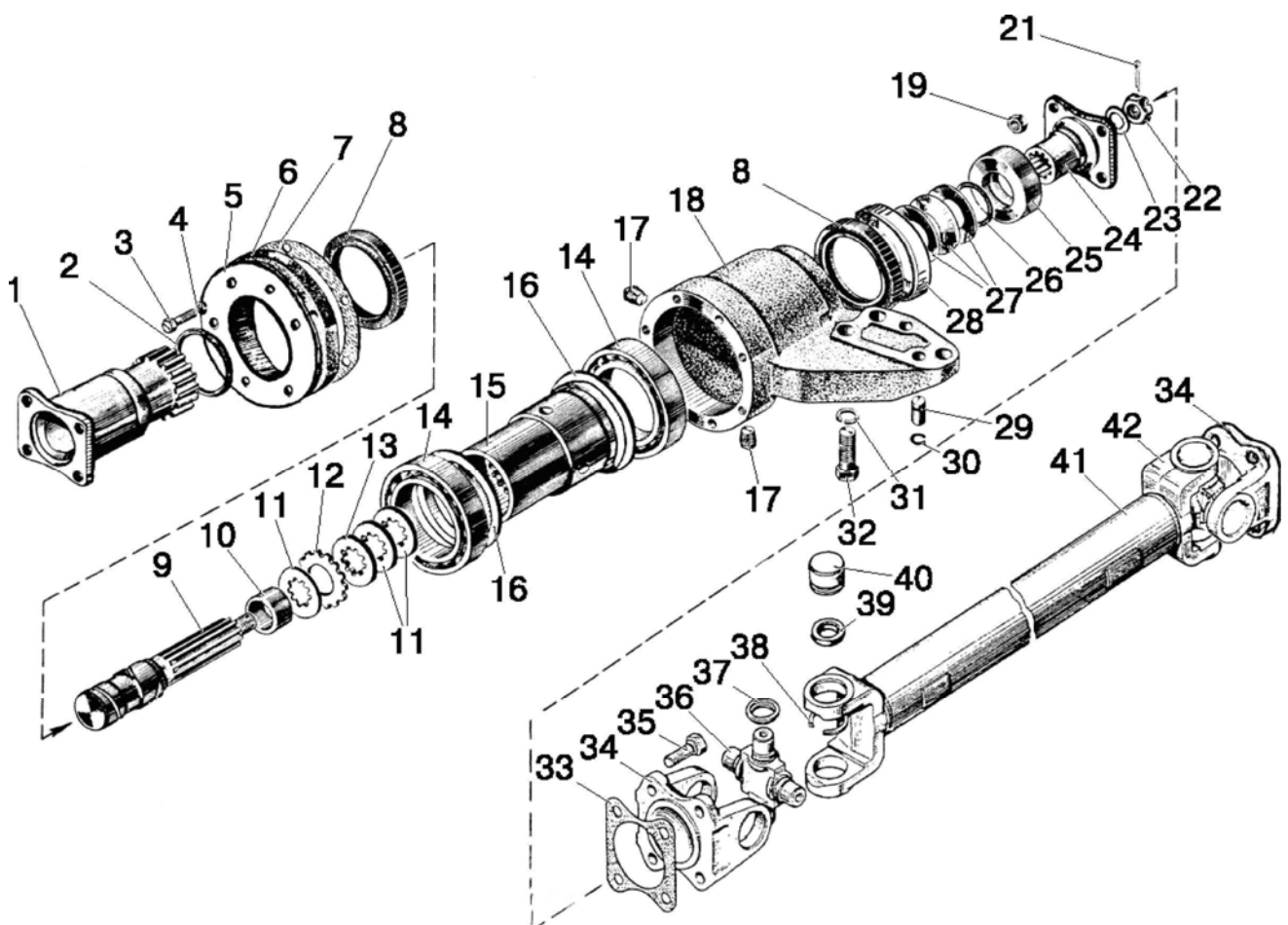


Fig. 22.1. Cardan shaft. Intermediate cardan shaft bearing. (for Belarus-920/920.2/920.3/952/952.2/952.3)

**Group 22. Cardan drive**  
**Subgroup 2203, 2209. Cardan shaft. Intermediate cardan shaft bearing**  
 (for Belarus-920/920.2/920.3/952/952.2/952.3)

| Fig. No. | Pos. No.                     | Designation                          | Q-ty    | Description                                     |
|----------|------------------------------|--------------------------------------|---------|---|
| 22.1     |                              | 72-2203010-A2                        | 2       | Front and intermediate cardan shaft (34, 36-42) |
|          |                              | 72-2203025PH                         | 4       | Cross with glands and bearings (36, 37, 39, 40) |
|          |                              | 72-2209100                           | 1       | Packing gland (6, 8)                            |
|          |                              | 72-2209010-A                         | 1       | Intermediate bearing (1-18, 21-30)              |
|          | 1                            | 72-2209014                           | 1       | Flange  |
|          | 2                            | 055-065-58-1-4 ГОСТ 18829-73/9833-73 | 1       | Ring  |
|          | 3                            | 8-6gx30.88.35.019 ГОСТ 7796-70       | 5       | Bolt  |
|          | 4                            | 8T OCT 37.001.115-75                 | 5       | Washer  |
|          | 5                            | 72-2209028                           | 1       | Dirt pocket                                     |
|          | 6                            | 72-2209022                           | 1       | Casing  |
|          | 7                            | 72-2209023                           | 1       | Gasket  |
|          | 8                            | 2.2-75x100-1 ГОСТ 8752-79            | 2       | Cuff  |
|          | 9                            | 72-2209013                           | 1       | Shaft   |
|          | 10                           | 72-2209017                           | 1       | Bush  |
|          | 11                           | 72-2209019                           | 3       | Disk  |
|          | 12                           | 72-2209025                           | 10-11   | Disk  |
|          | 13                           | 72-2209027                           | 10      | Disk  |
|          | 14                           | 115K5 ГОСТ 8338-75                   | 2       | Bearing   |
|          | 15                           | 72-2209012                           | 1       | Bush  |
|          | 16                           | 72-2209018                           | 2       | Fixture   |
|          | 17                           | ПК КГ 3/8"                           | 2       | Plug  |
|          | 18                           | 72-2209011                           | 1       | Bracket   |
|          | 19                           | M10x1-8 DIN EN ISO 10511-98          | 16      | Nut   |
|          | 21                           | 4x25.019 ГОСТ 397-79                 | 1       | Cotter pin                                      |
|          | 22                           | 70-3003032                           | 1       | Nut   |
|          | 23                           | 52-1802079                           | 1       | Washer  |
|          | 24                           | 52-1802078-A                         | 1       | Flange  |
|          | 25                           | 72-2209016-Б                         | 1       | Washer  |
|          | 26                           | 038-046-46-1-4 ГОСТ 18829-73/9833-73 | 1       | Ring  |
|          | 27                           | 72-2209021                           | 6       | Spring  |
|          | 28                           | 72-2209031                           | 1       | Fixture   |
|          | 29                           | 52-2308094                           | 2       | Pin   |
|          | 30                           | 12-12-306                            | 2       | Ring  |
|          | 31                           | 16OT OCT 37.001.115-75               | 3       | Washer  |
|          | 32                           | 72-2203011                           | 3       | Bolt  |
|          | 33                           | 20-2201024                           | 4       | Gasket  |
|          | 34                           | 72-2203023                           | 4       | Flange  |
|          | 35                           | 52-2203012                           | 16      | Bolt M10x1                                      |
|          | 36                           | 72-2203030-01                        | 4       | Cross   |
|          | 37                           | 3102-2201037                         | 16      | Deflector                                       |
|          | 38                           | 72-2203043                           | 16      | Locking ring                                    |
|          | 39                           | 69-2201031-A                         | 16      | Cuff  |
| 40       | 704702K3C10 ТУ 37.006.065-90 | 16                                   | Bearing |   |
| 41       | 72-2201018-02                | 2                                    | Pipe    |   |
| 42       | 72-2203022                   | 4                                    | Fork    |   |

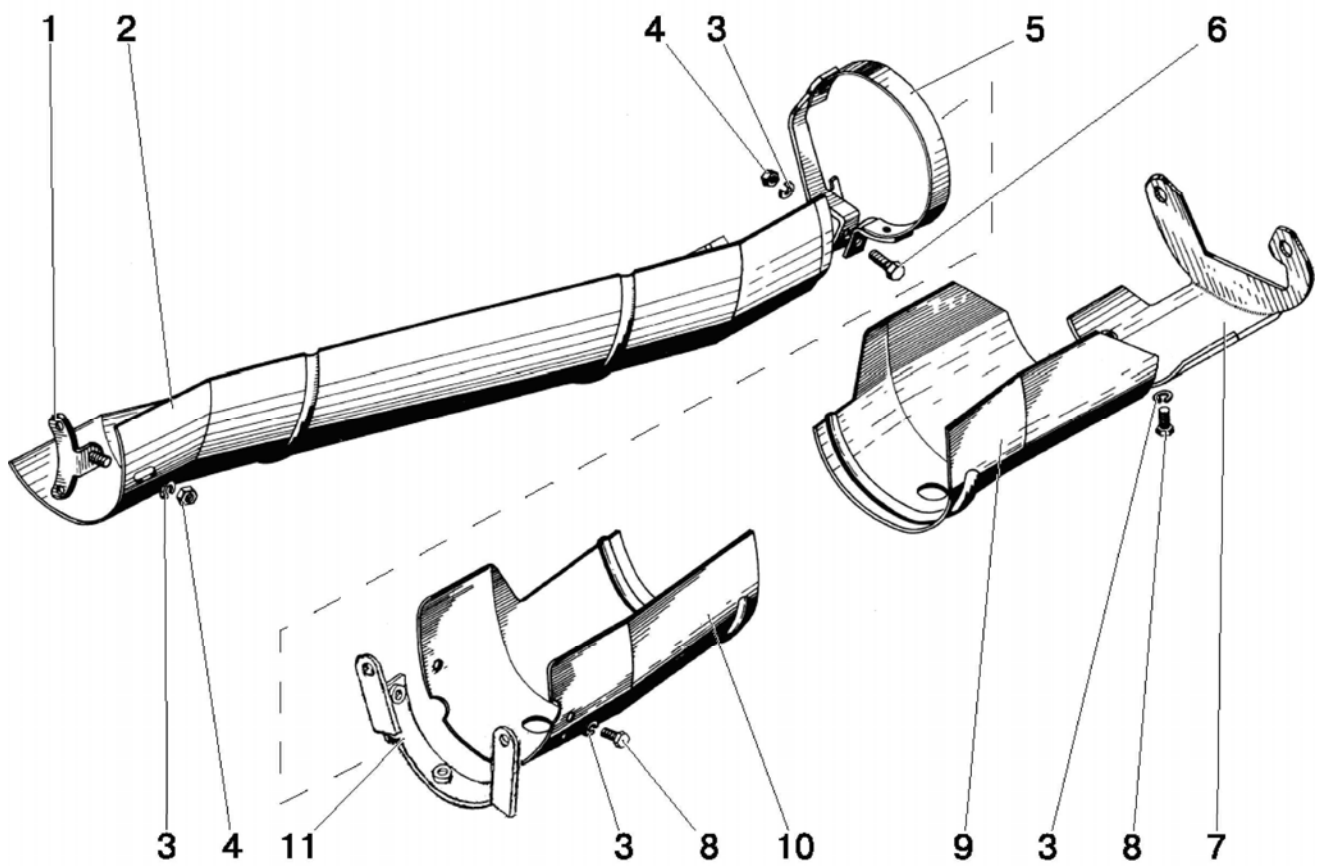


Fig.22.2. Cardan drive guard  
(for Belarus-920/920.2/920.3/952/952.2/952.3)

**Group 22. Cardan drive**  
**Subgroup 2210. Cardan drive guard**  
 (for Belarus-920/920.2/920.3/952/952.2/952.3)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b>        |
|-----------------|-----------------|---------------------------------|-------------|---------------------------|
| 22.2            |                 | 72-2203040                      | 1           | Cardan drive guard (1-11) |
|                 | 1               | 52-2210040                      | 1           | Supporting bracket        |
|                 | 2               | 72-2210013                      | 1           | Rear guard                |
|                 | 3               | 8T OCT 37.001.115-75            | 7           | Washer                    |
|                 | 4               | M8-6H.6.019 ГОСТ 5915-70        | 2           | Nut                       |
|                 | 5               | 72-2210030                      | 1           | Clamp                     |
|                 | 6               | M8-6gx40.88.35.019 ГОСТ 7796-70 | 1           | Bolt                      |
|                 | 7               | 52-2210015                      | 1           | Bracket                   |
|                 | 8               | M8-6gx16.88.35.019 ГОСТ 7796-70 | 5           | Bolt                      |
|                 | 9               | 52-2210012-A                    | 1           | Front guard               |
|                 | 10              | 52-2210017-A                    | 1           | Guard                     |
| 11              | 72-2210020-A    | 1                               | Bracket     |                           |

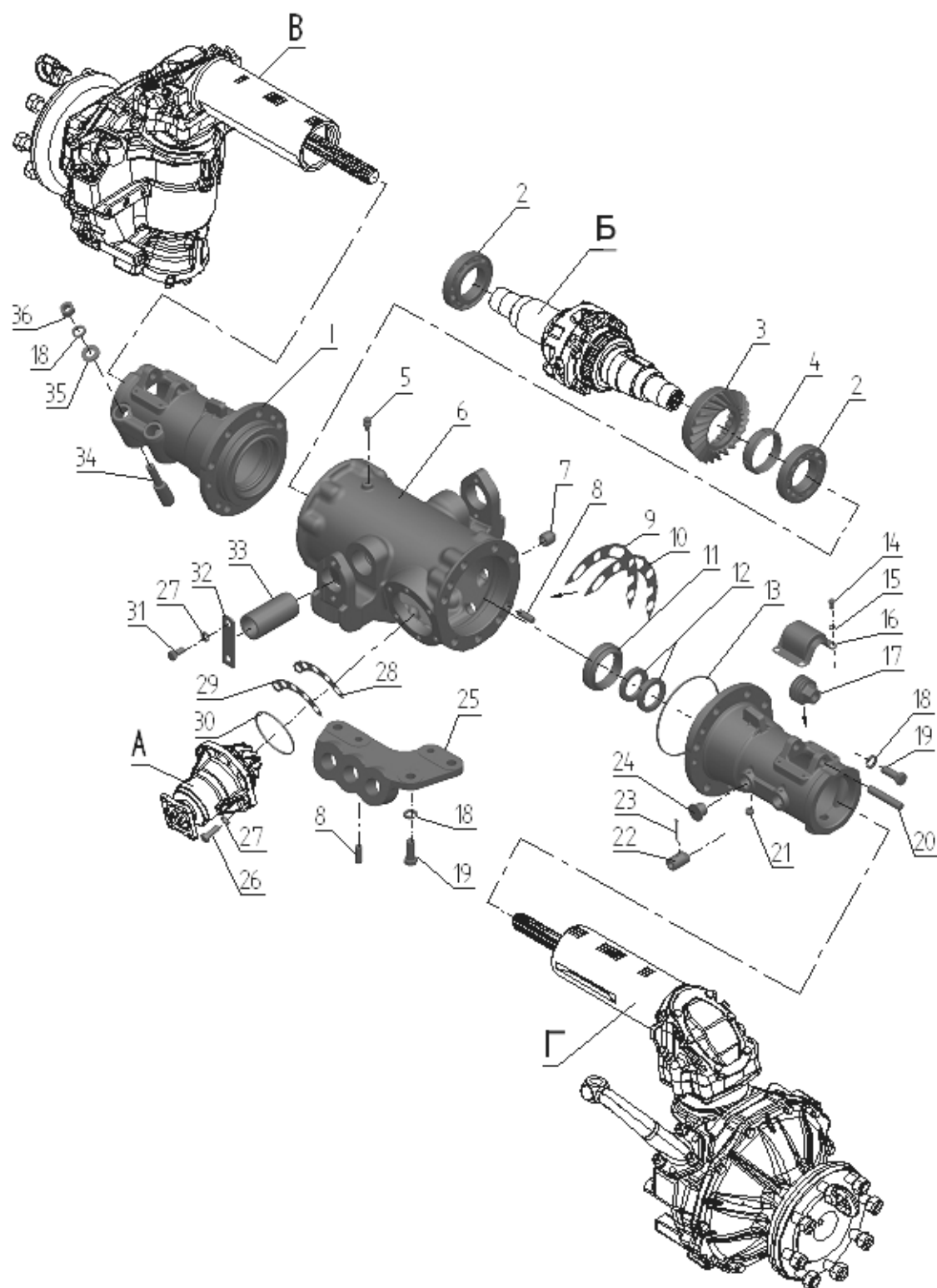


Fig.23.1. Front driving axle 72-2300020-A

**Group 23. Front driving axle  
Subgroup 2300. Front driving axle 72-2300020-A.**

| Fig. No. | Pos. No.                         | Designation                                | Q-ty    | Description  |
|----------|----------------------------------|--|---------|--|
| 23.1     |                                  | 72-2300020-A-05                            | 1       | Front driving axle assembly (8 pins)   |
|          | A                                | 52-2302010                                 | 1       | Gear (Fig.23.3)  |
|          | Б                                | 52-2303010-Б                               | 1       | Differential (Fig.23.4)  |
|          | В                                | 72-2308005-08                              | 1       | Reduction gear of the left final drive of the front driving axle (Fig.23.5)  |
|          | Г                                | 72-2308010-07                              | 1       | Reduction gear of the right final drive of the front driving axle (Fig.23.5) |
|          |                                  | 52-2301040-Б1                              | 2       | Fixture with cuffs (11,12)   |
|          | 1                                | 82-2301051                                 | 2       | Cover  |
|          | 2                                | 6-7212A ГОСТ 27365-87                      | 2       | Bearing  |
|          | 3                                | 52-2302019                                 | 1       | Driven gear  |
|          | 4                                | 52-2302038-A1                              | 1       | Nut  |
|          | 5                                | СУ 1/8"-А                                  | 1       | Breather   |
|          | 6                                | 72-2301055                                 | 1       | Casing   |
|          | 7                                | ПК КГ 3/4"                                 | 2       | Plug   |
|          | 8                                | Д01-015                                    | 6       | Pin  |
|          | 9                                | 52-2303027                                 | 16(max) | Adjusting spacer B=0.5 mm  |
|          | 10                               | 52-2303028                                 | 16(max) | Adjusting spacer B=0.2 mm  |
|          | 11                               | 52-2301062-Б1                              | 2       | Fixture  |
|          | 12                               | 2.2-45x65-1<br>ГОСТ 8752-79/OCT 3805146-78 | 4       | Cuff   |
|          | 13                               | 150-155-36-1-4 ГОСТ 18829-73/9833-73       | 2       | Ring   |
|          | 14                               | M8-6gx16.88.35.019 ГОСТ 7796-70            | 8       | Bolt   |
|          | 15                               | 8T OCT 37.001.115-75                       | 8       | Washer   |
|          | 16                               | 50-3104051                                 | 2       | Cover  |
|          | 17                               | 52-2301052                                 | 2       | Screw  |
|          | 18                               | 16 OT OCT 37.001.115-75                    | 21      | Washer   |
|          | 19                               | M16-6gx40.88.35.019 ГОСТ 7796-70           | 17      | Bolt   |
|          | 20                               | 52-2301054-A                               | 2       | Shaft  |
|          | 21                               | 52-2301067                                 | 2       | Choke  |
|          | 22                               | 82-2301069                                 | 2       | Pin  |
|          | 23                               | 5x45.019 ГОСТ 397-79                       | 2       | Cotter pin   |
|          | 24                               | 82-2301074                                 | 2       | Plug   |
|          | 25                               | 102-2301023-01                             | 1       | Hydraulic cylinder bracket   |
|          | 26                               | M12-6gx30.88.35.019 ГОСТ 7796-70           | 6       | Bolt   |
|          | 27                               | 12 OT OCT 37.001.115-75                    | 10      | Washer   |
|          | 28                               | 52-2302021                                 | 6(max)  | Adjusting spacer B=0.5 mm  |
|          | 29                               | 52-2302022                                 | 10(max) | Adjusting spacer B=0.2 mm  |
|          | 30                               | 089-095-36-1-4 ГОСТ 18829-73/9833-73       | 1       | Ring   |
| 31       | M12-6gx25.88.35.019 ГОСТ 7796-70 | 4  | Bolt    |  |
| 32       | 72-2301059-A1                    | 2  | Slat    |  |
| 33       | 52-2301058-A4                    | 2  | Shaft   |  |
| 34       | 52-2301056                       | 4  | Wedge   |  |
| 35       | 52-2301065                       | 4  | Washer  |  |
| 36       | M16x1,5-6H.6.019 ГОСТ 5915-70    | 4  | Nut     |  |

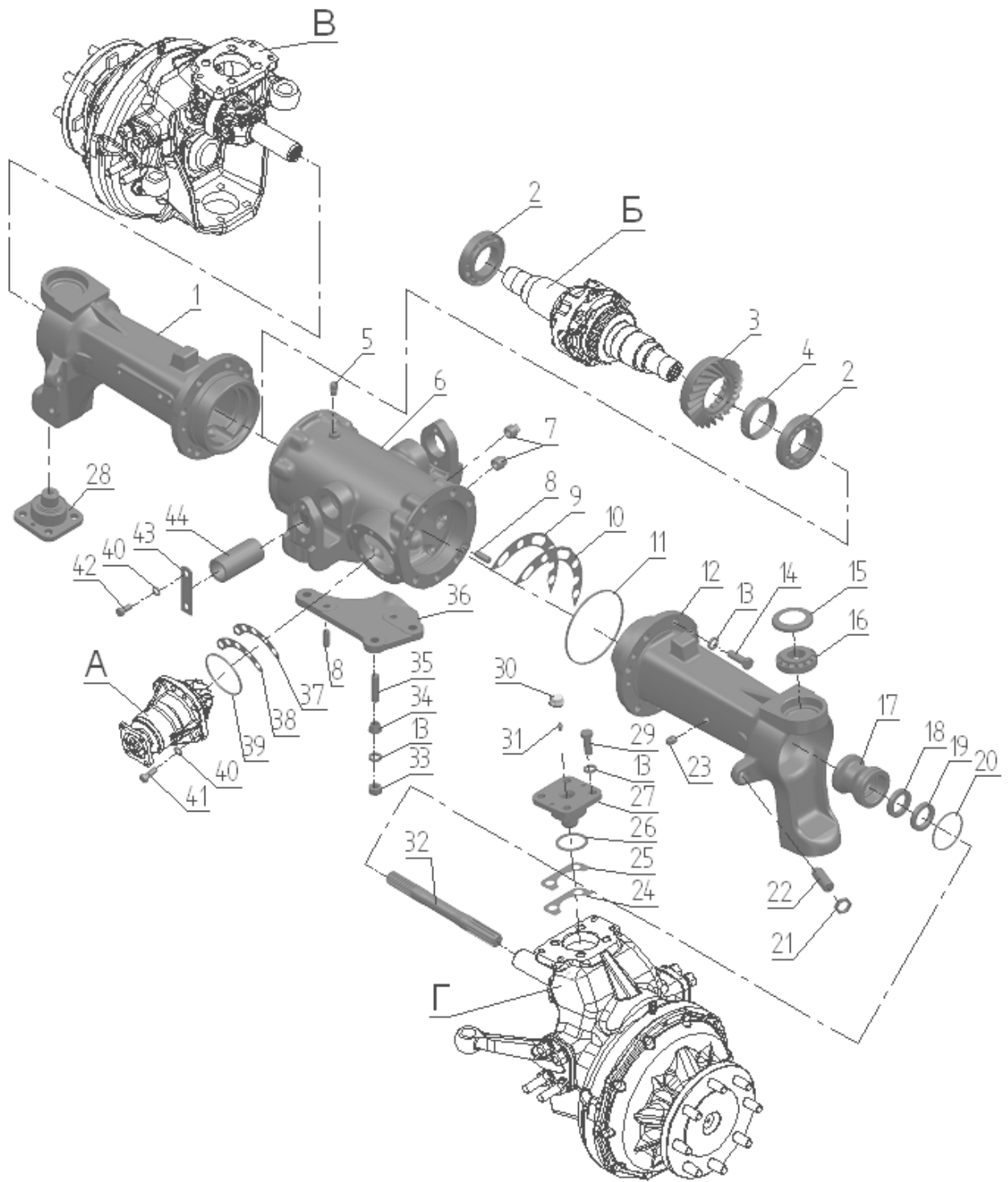


Fig.23.2. Front driving axle 822-2300020



**Group 23. Front driving axle  
Subgroup 2300. Front driving axle 822-2300020**

| Fig. No. | Pos. No.                             | Designation                             | Q-ty    | Description   |
|----------|--------------------------------------|---|---------|---|
| 23.2     |                                      | 822-2300020-02*<br>822-2300020-04       | 1       | Front driving axle assembly   |
|          | A                                    | 52-2302010                              | 1       | Gear (seeFig.23.3)  |
|          | Б                                    | 52-2303010-Б-01                         | 1       | Differential(seeFig.23.4)   |
|          | B                                    | 822-2308005                             | 1       | Reduction gear of the left final drive of the front driving axle(seeFig.23.6)   |
|          | Г                                    | 822-2308005-01                          | 1       | Reduction gear of the right final drive of the front driving axle (seeFig.23.6) |
|          | 1                                    | 822-2301051-01*<br>822-2301051          | 1       | Hose pipe left  |
|          | 2                                    | 263212А ТУ РБ 00234873.002-97           | 2       | Bearing   |
|          | 3                                    | 52-2302019                              | 1       | Driven gear   |
|          | 4                                    | 52-2302038-A1                           | 1       | Nut   |
|          | 5                                    | "MINTOR" TSS0G-1/8"                     | 1       | Breather  |
|          | 6                                    | 72-2301055                              | 1       | Casing  |
|          | 7                                    | ПК КГ 3/4"                              | 2       | Plug  |
|          | 8                                    | Д01-015                                 | 6       | Setting pin   |
|          | 9                                    | 52-2303027                              | 16(max) | Adjusting spacer B=0.5 mm   |
|          | 10                                   | 52-2303028                              | 16(max) | Adjusting spacer B=0.2 mm   |
|          | 11                                   | 150-155-36-1-4 ГОСТ 18829-73/9833-73    | 2       | Ring  |
|          | 12                                   | 822-2301053-01*<br>822-2301053          | 1       | Hose pipe right   |
|          | 13                                   | 16 ОТ OCT 37.001.115-75                 | 33      | Washer  |
|          | 14                                   | M16-6gx45.88.35.019 ГОСТ 7796-70        | 14      | Bolt  |
|          | 15                                   | 1520-2308039                            | 4       | Cage  |
|          | 16                                   | 1027307A (31307) ГОСТ 27365-87          | 4       | Bearing   |
|          | 17                                   | 822-2308100                             | 2       | Fixture   |
|          | 18                                   | 1.2-38x58-1 ГОСТ 8752-79/OCT 3805146-78 | 2       | Cuff  |
|          | 19                                   | 2.2-38x58-1 ГОСТ 8752-79/OCT 3805146-78 | 2       | Cuff  |
|          | 20                                   | 075-080-30-1-4 ГОСТ 18829-73/9833-73    | 2       | Ring  |
|          | 21                                   | 85-3407113                              | 2       | Nut   |
|          | 22                                   | 1520-2308009                            | 2       | Screw   |
|          | 23                                   | ПК КГ 3/8"                              | 2       | Plug  |
|          | 24                                   | 52-2302021                              | 6(max)  | Adjusting spacer B=0.5 mm   |
|          | 25                                   | 52-2302022                              | 10(max) | Adjusting spacer B=0.2 mm   |
|          | 26                                   | 055-063-46-1-4 ГОСТ 18829-73/9833-73    | 4       | Ring  |
|          | 27                                   | 1520-2308037                            | 3       | Shaft   |
|          | 28                                   | 1520-2308037-01                         | 1       | Shaft   |
|          | 29                                   | M16-6gx40.88.35.019 ГОСТ 7796-70        | 16      | Bolt  |
|          | 30                                   | 85-4607447                              | 4       | Cap   |
|          | 31                                   | 1.3.Ц9.xp ГОСТ 19853-74                 | 4       | Greaser   |
|          | 32                                   | 822-2308065-01*<br>822-2308065          | 2       | Shaft   |
|          | 33                                   | M16-6H.6.019 ГОСТ 5915-70               | 3       | Nut   |
|          | 34                                   | 1520-2308077                            | 3       | Bush  |
|          | 35                                   | 1520-2308079                            | 3       | Pin   |
|          | 36                                   | 922-2301023-Б-01*<br>822-2301023-Б-01   | 1       | Cylinder bracket  |
|          | 37                                   | 1520-2308042                            | 8(max)  | Adjusting spacer B=0.2 mm   |
|          | 38                                   | 1520-2308042-01                         | 20(max) | Adjusting spacer B=0.5 mm   |
| 39       | 089-095-36-1-4 ГОСТ 18829-73/9833-73 | 1                                       | Ring    |   |
| 40       | 12 ОТ OCT 37.001.115-75              | 6                                       | Washer  |   |
| 41       | M12-6gx30.88.35.019 ГОСТ 7796-70     | 6                                       | Bolt    |   |
| 42       | M12-6gx25.88.35.019 ГОСТ 7796-70     | 4                                       | Bolt    |   |
| 43       | 72-2301059-A1                        | 2                                       | Slat    |   |
| 43       | 52-2301058-A4                        | 2                                       | Shaft   |   |

\* optionally (FDA with elongated tubes)

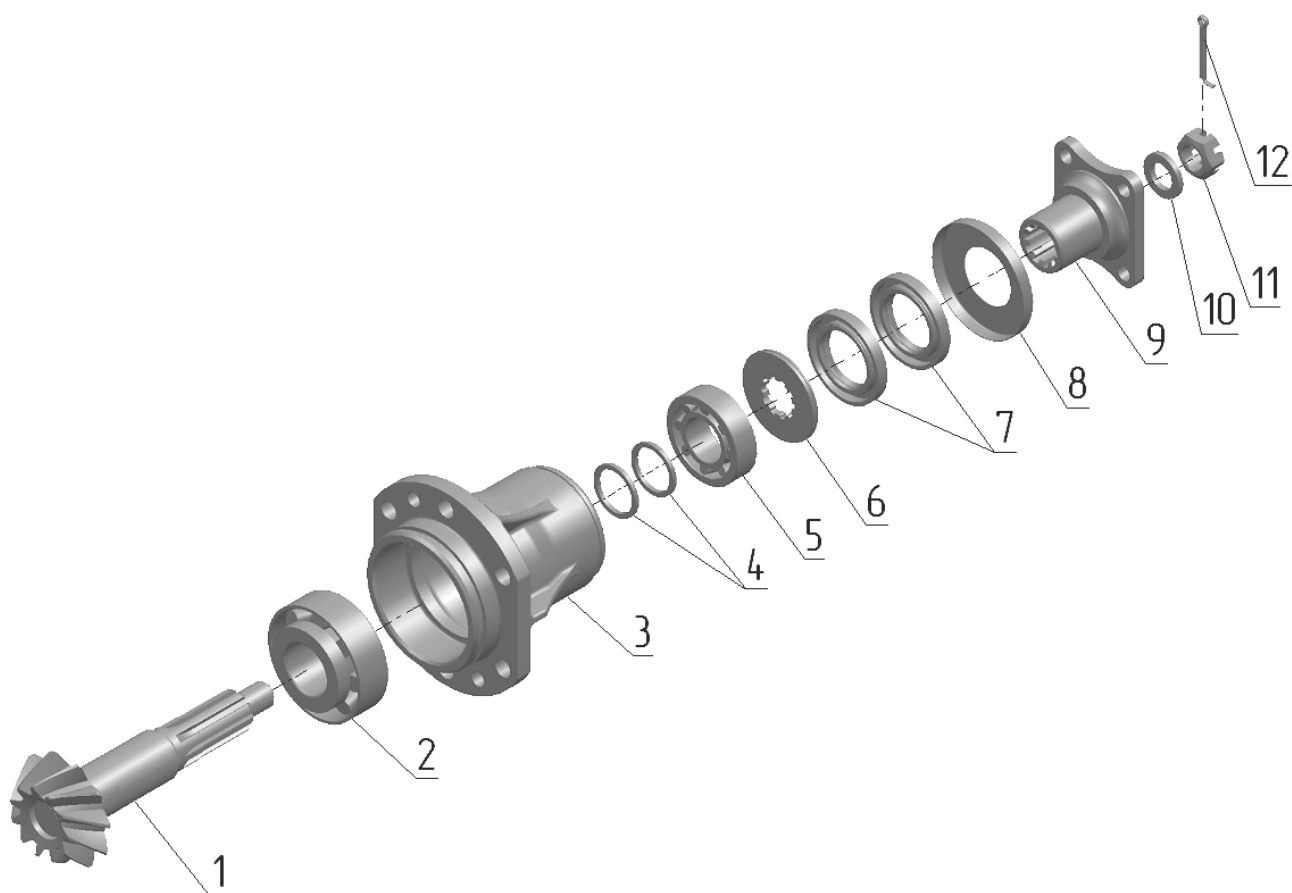


Fig. 23.3. Gear

**Group 23. Front driving axle  
Subgroup 2302. Front driving axle final drive**

| Fig. No.      | Pos. No.                                     | Designation                                      | Q-ty                       | Description   |
|---------------|--|--|----------------------------|---|
| 23.3          |  | 52-2302010-P                                     | 1                          | Gear set (1-12, 3(Fig.23.1,23.2))                               |
|               |  | 52-2302030                                       | 1                          | Driven gear complete with the driving one (1, 3(Fig.23.1,23.2)) |
|               | 1  | 52-2302015-A                                     | 1                          | Driving gear  |
|               | 2  | 7607A ГОСТ 27365-87 or<br>6-7607AY ГОСТ 27365-87 | 1                          | Bearing   |
|               | 3  | 52-2302016-A                                     | 1                          | Cage  |
|               | 4  | 52-2302026                                       | 2*                         | Adjusting washer B=2.65 mm                                      |
|               |  | 52-2302026-01                                    | 2*                         | Adjusting washer B=2.70 mm                                      |
|               |  | 52-2302026-02                                    | 2*                         | Adjusting washer B=2.75 mm                                      |
|               |  | 52-2302026-03                                    | 2*                         | Adjusting washer B=2.90 mm                                      |
|               |  | 52-2302026-04                                    | 2*                         | Adjusting washer B=3.05 mm                                      |
|               |  | 52-2302026-05                                    | 2*                         | Adjusting washer B=3.20 mm                                      |
|               |  | 52-2302026-06                                    | 2*                         | Adjusting washer B=3.30 mm                                      |
| 52-2302026-07 |  | 2*   | Adjusting washer B=3.35 mm |   |
| 52-2302026-08 | 2*   | Adjusting washer B=3.40 mm                       |                            |   |
| 5             | 7506A ГОСТ 27365-87                          | 1  | Bearing                    |   |
| 6             | 52-2302018                                   | 1  | Ring                       |   |
| 7             | 2.2-38x62-1/4<br>ГОСТ 8752-79/OCT 3805146-78 | 2  | Cuff                       |   |
| 8             | 82-2302031                                   | 1  | Choke                      |   |
| 9             | 52-1802078-A                                 | 1  | Flange                     |   |
| 10            | 52-1802079                                   | 1  | Washer                     |   |
| 11            | 70-3003032                                   | 1  | Nut                        |   |
| 12            | 4x25.019 ГОСТ 397-79                         | 1  | Cotter pin                 |   |

\* To be selected when adjusting the bearings

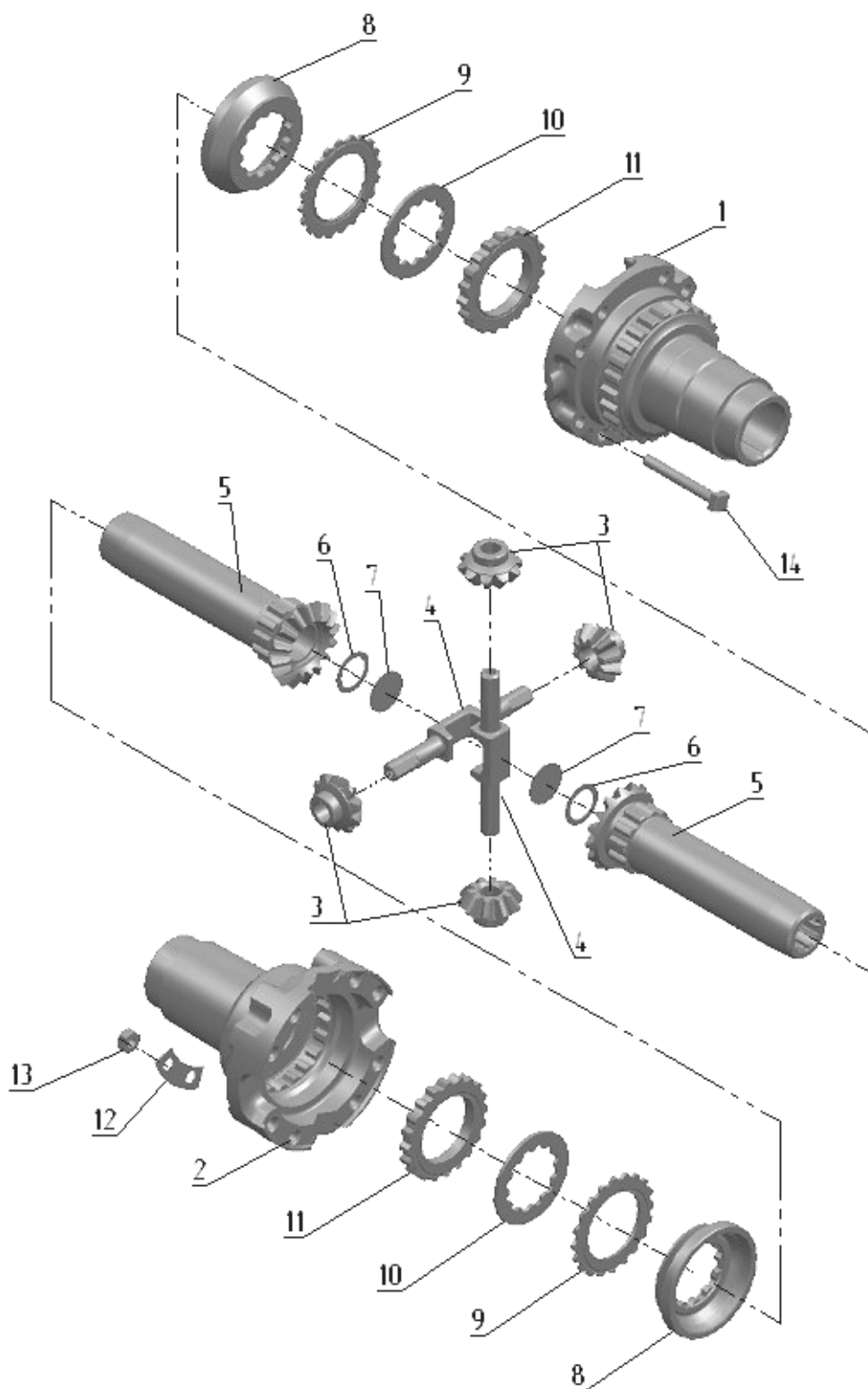


Fig. 23.4. Differential

**Group 23. Front driving axle  
Subgroup 2303. Differential**

| Fig. No. | Pos. No.     | Designation                | Q-ty  | Description   |
|----------|--------------|----------------------------|-------|---|
| 23.4     |              | 52-2303010-Б               | 1     | Differential (1-14)<br>(for FDA 72-2300020-A(Fig.23.1)) |
|          |              | 52-2303010-Б-01            |       | Differential (1-14)<br>(for FDA 822-2300020(Fig.23.2))  |
|          |              | 52-2303030                 | 2     | Gear (5-7)  |
|          | 1            | 52-2303014-Б               | 1     | Compensating case                                       |
|          | 2            | 52-2303015-Б               | 1     | Compensating case                                       |
|          | 3            | 52-2303018                 | 4     | Pinion  |
|          | 4            | 52-2303019                 | 2     | Shaft   |
|          | 5            | 52-2303017                 | 2     | Gear  |
|          | 6            | 52-2303034                 | 2     | Gasket  |
|          | 7            | 35-10кп.Ц9.хр ГОСТ 3111-81 | 2     | Choke   |
|          | 8            | 52-2303021                 | 2     | Cup   |
|          | 9            | 52-2303023-A1-01           | 2     | Disk  |
|          | 10           | 52-2303024-01              | 2     | Disk  |
|          | 11           | 52-2303023-A1              | 2     | Disk  |
| 12       | 52-2303032   | 4                          | Plate |   |
| 13       | 52-2303013   | 8                          | Nut   |   |
| 14       | 52-2303026-Б | 8                          | Bolt  |   |

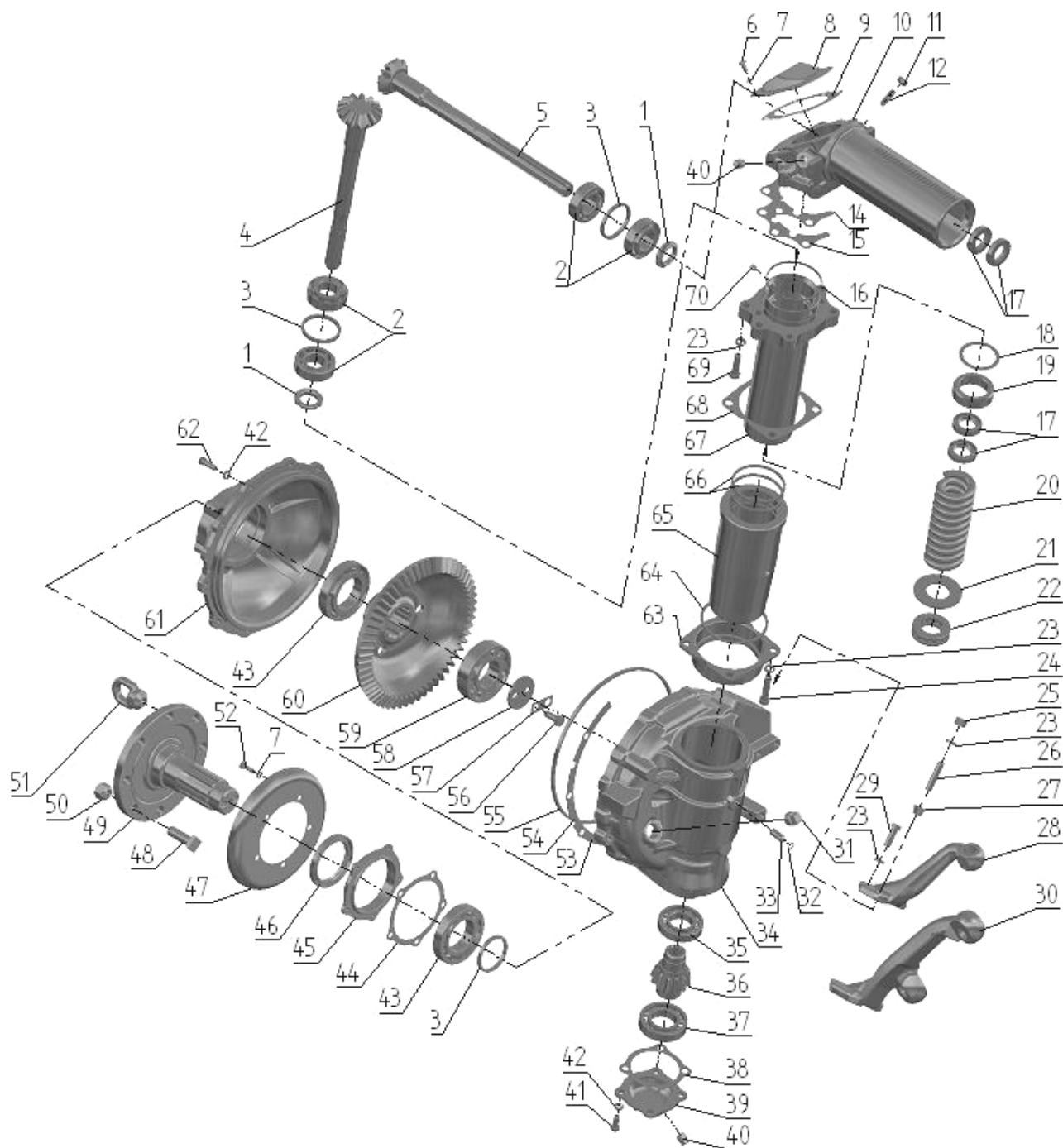


Fig. 23.5. Final drive reduction gear of the front driving axle  
(for FDA 72-230020-A (Fig.23.1))

**Group 23. Front driving axle  
Subgroup 2308. Final drive reduction gear  
of the front driving axle (for FDA 72-2300020-A (Fig.23.1))**

| Fig. No. | Pos. No. | Designation                                | Q-ty                | Description                                    |                          |
|----------|----------|--|---------------------|--|--------------------------|
| 23.5     |          | 72-2308005-08                              | 1                   | Left reduction gear (1-69)                     |                          |
|          |          | 72-2308010-07                              | 1                   | Right reduction gear (1-69)                    |                          |
|          |          | 72-2308020-B                               | 2                   | Cover (3, 43, 61)                              |                          |
|          |          | 72-2308030-A                               | 2                   | Pipe (18,19, 66)                               |                          |
|          |          | 82-2308050-03                              | 2                   | Gear (3, 7, 43-49, 52-61)                      |                          |
|          |          | 52-2308060                                 | 2                   | Gear (35-37)                                   |                          |
|          |          | 72-2308070-01                              | 2                   | Flange (48, 49)                                |                          |
|          |          | 72-2308090-B                               | 2                   | Casing (45, 46)                                |                          |
|          |          | 52-2308100-03                              | 2                   | Upper bevel gear and pinion (1-19,23,66,68,69) |                          |
|          |          | 52-2308110-A2                              | 1                   | Right reduction gear casing (32-34, 62-64)     |                          |
|          |          | 52-2308115-A2                              | 1                   | Left reduction gear casing (32-34, 62-64)      |                          |
|          |          | 52-2308135                                 | 2                   | Shaft with bearings (1-4)                      |                          |
|          |          | 52-2308135-01                              | 2                   | Shaft with bearings (1-3, 5)                   |                          |
|          | 1        |  | 52-2308097          | 4  | Nut                      |
|          | 2        |  | 7507A ГОСТ 27365-87 | 8  | Bearing                  |
|          | 3        |  | 72-2308121          | 2*   | Adjusting ring B=5.8 mm  |
|          |          |  | 72-2308121-01       | 2*   | Adjusting ring B=5.95 mm |
|          |          |  | 72-2308121-02       | 2*   | Adjusting ring B=6.10 mm |
|          |          |  | 72-2308121-03       | 2*   | Adjusting ring B=6.25 mm |
|          |          |  | 72-2308121-04       | 2*   | Adjusting ring B=6.40 mm |
|          |          |  | 72-2308121-05       | 2*   | Adjusting ring B=6.55 mm |
|          |          |  | 72-2308121-06       | 2*   | Adjusting ring B=6.70 mm |
|          |          |  | 72-2308121-07       | 2*   | Adjusting ring B=6.85 mm |
|          |          |  | 72-2308121-08       | 2*   | Adjusting ring B=7.00 mm |
|          |          |  | 72-2308121-09       | 2*   | Adjusting ring B=7.15 mm |
|          |          |  | 72-2308121-10       | 2*   | Adjusting ring B=7.30 mm |
|          |          | 72-2308121-11                              | 2*                  | Adjusting ring B=7.45 mm                       |                          |
|          | 4        |  | 52-2308063          | 2  | Shaft                    |
| 5        |          | 52-2308065                                 | 2                   | Semiring                                       |                          |
| 6        |          | M8-6gx14.88.35.019 ГОСТ 7798-70            | 12                  | Bolt   |                          |
| 7        |          | 8T OCT 37.001.115-75                       | 12                  | Washer   |                          |
| 8        |          | 52-2308030-A                               | 2                   | Cover  |                          |
| 9        |          | 52-2308028-A1                              | 4                   | Gasket   |                          |
| 10       |          | 52-2308025                                 | 2                   | Casing   |                          |
| 11       |          | M10-6H.6.019 ГОСТ 5915-70                  | 2                   | Nut  |                          |
| 12       |          | 72-2308046                                 | 2                   | Screw  |                          |
| 14       |          | 52-2308038                                 | 8(max)              | Adjusting spacer B=0.5 mm                      |                          |
| 15       |          | 52-2308039                                 | 8(max)              | Adjusting spacer B=0.2 mm                      |                          |
| 16       |          | 095-100-30-1-4 ГОСТ 18829-73/9833-73       | 2                   | Ring   |                          |
| 17       |          | 2.2-30x52-1<br>ГОСТ 8752-79/OCT 3805146-78 | 8                   | Cuff   |                          |
| 18       |          | 52-2308054-A                               | 2                   | Gasket   |                          |
| 19       |          | 52-2308089-A                               | 2                   | Fixture  |                          |
| 20       |          | 50-3001022-A1                              | 2                   | Spring   |                          |
| 21       |          | 72-2308098-A                               | 2                   | Washer   |                          |
| 22       |          | 8208 ГОСТ 7872-89                          | 2                   | Bearing  |                          |
| 23       |          | 12 OT OCT 37.001.115-75                    | 18                  | Washer   |                          |
| 24       |          | M12-6gx40.88.35.019 ГОСТ 7796-70           | 8                   | Bolt   |                          |
| 25       |          | M12x1,25-6H.6.019 ГОСТ 5915-70             | 6                   | Nut  |                          |
| 26       |          | 72-2308004                                 | 6                   | Pin  |                          |
| 27       |          | 72-2308009                                 | 6                   | Bush   |                          |
| 28       |          | 72-2308074                                 | 1                   | Lever right                                    |                          |

\* To be selected when adjusting the bearings

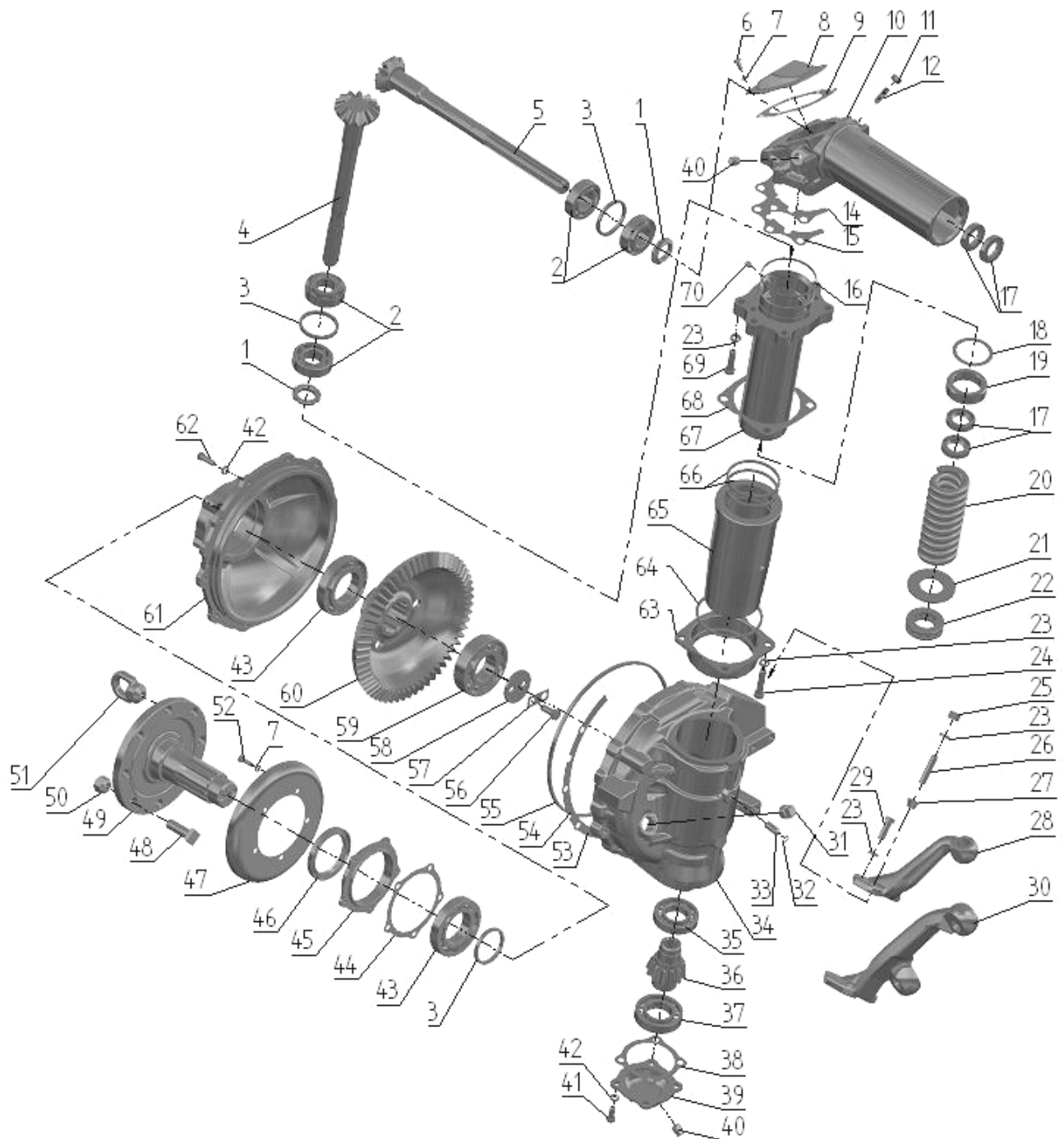


Fig. 23.5. Final drive reduction gear of the front driving axle  
(for FDA 72-230020-A (Fig.23.1))



**Group 23. Front driving axle  
Subgroup 2308. Final drive reduction gear  
of the front driving axle (for 72-2300020-A (Fig.23.1))**

| <b>Fig. No.</b> | <b>Pos. No.</b>                  | <b>Designation</b>                          | <b>Q-ty</b> | <b>Description</b>        |
|-----------------|----------------------------------|---|-------------|---------------------------|
| 23.5            | 29                               | M12-6gx35.88.35.019 ГОСТ 7796-70            | 4           | Bolt                      |
|                 | 30                               | 72-2308075-01                               | 1           | Lever left                |
|                 | 31                               | ПК КГ 3/4"                                  | 2           | Plug                      |
|                 | 32                               | 011-014-19-1-4 ГОСТ 18829-73/9833-73        | 2           | Ring                      |
|                 | 33                               | 52-2308099                                  | 2           | Pin                       |
|                 | 34                               | 52-2308014-A2                               | 1           | Right casing              |
|                 |                                  | 52-2308015-A2                               | 1           | Left casing               |
|                 | 35                               | 208A ГОСТ 8338-75                           | 2           | Bearing                   |
|                 | 36                               | 52-2308061                                  | 2           | Gear                      |
|                 | 37                               | 209A ГОСТ 8338-75                           | 2           | Bearing                   |
|                 | 38                               | 52-2308024                                  | 2           | Gasket                    |
|                 | 39                               | 52-2308035                                  | 2           | Cover                     |
|                 | 40                               | ПК КГ 3/8"                                  | 4           | Plug                      |
|                 | 41                               | M10-6gx25.88.35.019 ГОСТ 7796-70            | 28          | Bolt                      |
|                 | 42                               | 10 ОТ OCT 37.001.115-75                     | 28          | Washer                    |
|                 | 43                               | 6-7212A ГОСТ 27365-87                       | 4           | Bearing                   |
|                 | 44                               | 72-2308023-Б                                | 2           | Gasket                    |
|                 | 45                               | 72-2308066-Б                                | 2           | Casing                    |
|                 | 46                               | 2.2-75x100-1<br>ГОСТ 8752-79/OCT 3805146-78 | 2           | Cuff                      |
|                 | 47                               | 72-2308029-Б                                | 2           | Dirt pocket               |
|                 | 48                               | 40-3103016                                  | 16          | Bolt                      |
|                 | 49                               | 82-2308017                                  | 2           | Flange (8 pins)           |
|                 | 50                               | 40-3103017                                  | 16          | Nut                       |
|                 | 51                               | 70-3104019-01                               | 2           | Special (auxiliary) nut   |
|                 | 52                               | M8-6gx25.88.35.019 ГОСТ 7796-70             | 10          | Bolt                      |
|                 | 53                               | 72-2308021-Б                                | 16(max)     | Adjusting spacer B=0.5 mm |
|                 | 54                               | 72-2308021-Б-01                             | 8(max)      | Adjusting spacer B=0,8 mm |
|                 | 55                               | 290-300-58-1-4 ГОСТ 18829-73/9833-73        | 2           | Ring                      |
|                 | 56                               | 72-2308018                                  | 4           | Bolt                      |
|                 | 57                               | 72-2308013                                  | 2           | Plate                     |
|                 | 58                               | 72-2308031                                  | 2           | Washer                    |
|                 | 59                               | 2310KM ГОСТ 8328-75                         | 2           | Bearing                   |
|                 | 60                               | 72-2308062                                  | 2           | Gear                      |
|                 | 61                               | 72-2308016-Б                                | 2           | Cover                     |
|                 | 62                               | M10-6gx30.88.35.019 ГОСТ 7796-70            | 20          | Bolt                      |
|                 | 63                               | 52-2308101                                  | 2           | Casing                    |
|                 | 64                               | 72-2308044                                  | 2           | Washer                    |
|                 | 65                               | 52-2308084-A1                               | 2           | Carriage                  |
|                 | 66                               | 52-2308091-A                                | 4           | Ring                      |
|                 | 67                               | 72-2308030-A                                | 2           | Pivot tube                |
| 68              | 52-2308096                       | 2   | Gasket      |                           |
| 69              | M12-6gx55.88.35.019 ГОСТ 7796-70 | 8   | Bolt        |                           |
| 70              | 72-2308011                       | 4   | Screw       |                           |

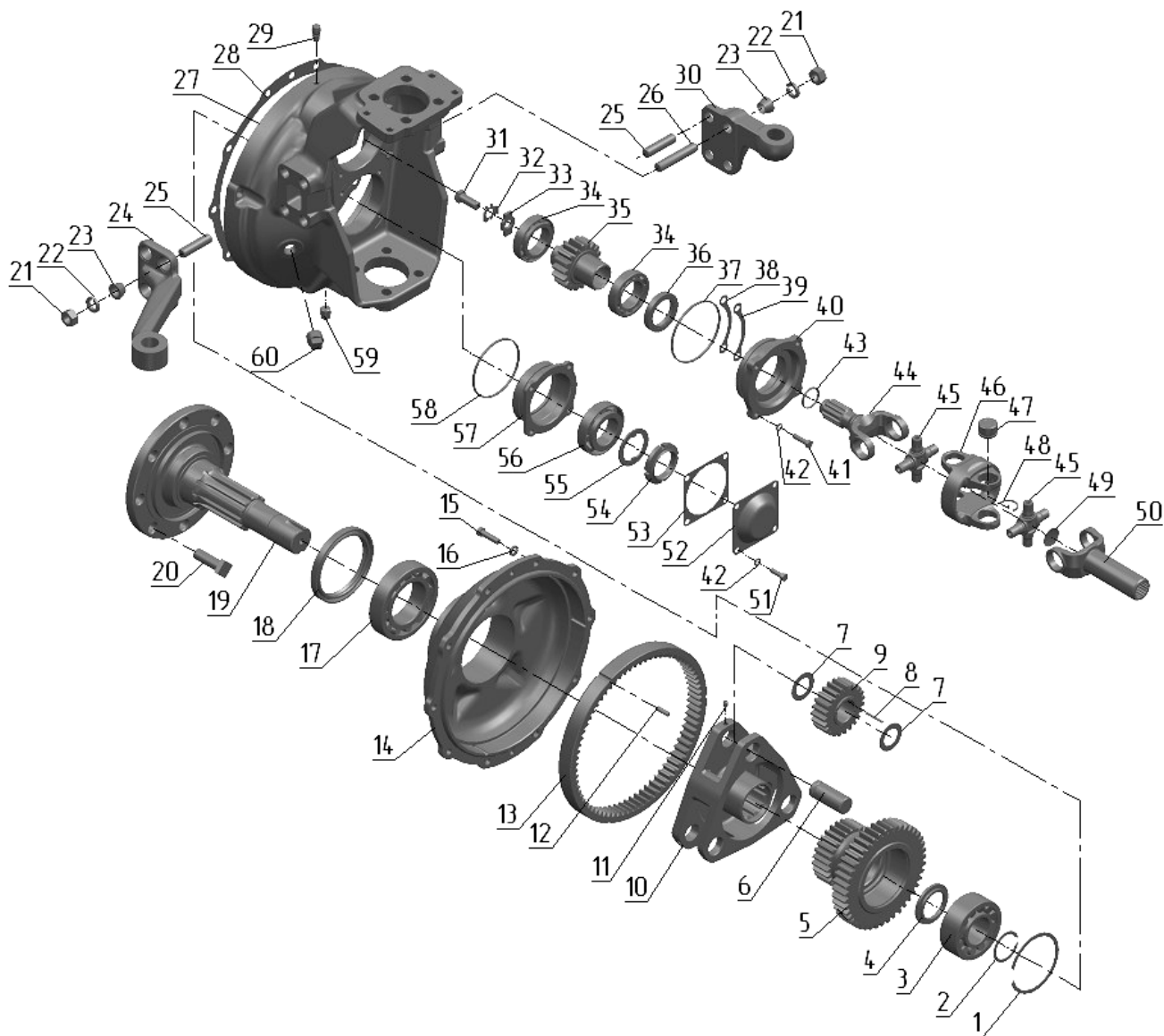


Fig. 23.6. Final drive reduction gear of the front driving axle (for FDA 822-2300020(Fig.23.2))

**Group 23. Front driving axle  
Subgroup 2308. Final drive reduction gear  
of the front driving axle (for FDA 822-2300020(Fig.23.2))**

| Fig. No. | Pos. No. | Designation                                  | Q-ty   | Description                    |                   |
|----------|----------|--|--|--------------------------------|-------------------|
| 23.6     |          | 822-2308005                                  | 1  | Left reduction gear (1-60)     |                   |
|          |          | 822-2308005-01                               | 1  | Right reduction gear (1-60)    |                   |
|          |          | 1520-2308024-20                              | 2  | Double universal joint (43-50) |                   |
|          |          | 1520-2308040-01                              | 2  | Casing (27, 29, 31-50)         |                   |
|          |          | 1520-2308080                                 | 2  | Cage (36, 37, 40)              |                   |
|          |          | 1521-2308020                                 | 2  | Cover (12-14)                  |                   |
|          |          | 1521-2308030                                 | 2  | Carrier (6-11)                 |                   |
|          |          | 1521-2308050-01                              | 2  | Hub (1-20)                     |                   |
|          | 1        |  | 2C100 ГОСТ 13941-86                          | 2                              | Ring              |
|          | 2        |  | C45 ГОСТ 13940-86                            | 2                              | Ring              |
|          | 3        |  | 53609 ГОСТ 24696-81                          | 2                              | Bearing           |
|          | 4        |  | 1520-2308038                                 | 2                              | Ring              |
|          | 5        |  | 1520-2308062-01                              | 2                              | Gear block (z=39) |
|          | 6        |  | 1520-2308053                                 | 6                              | Shaft             |
|          | 7        |  | 1520-2308054                                 | 12                             | Washer            |
|          | 8        |  | 4x34,8A3 ГОСТ 6870-81                        | 156                            | Roller            |
|          | 9        |  | 1520-2308059                                 | 6                              | Pinion            |
|          | 10       |  | 1521-2308056                                 | 2                              | Carrier           |
|          | 11       |  | 1520-2308011                                 | 6                              | Screw             |
|          | 12       |  | 2.8x25 ГОСТ 3128-70                          | 6                              | Pin               |
|          | 13       |  | 1520-2308064                                 | 2                              | Gear              |
|          | 14       |  | 1521-2308016                                 | 2                              | Cover             |
|          | 15       |  | M10-6gx35.88.35.019 ГОСТ 7796-70             | 20                             | Bolt              |
|          | 16       |  | 10 OT OCT 37.001.115-75                      | 20                             | Washer            |
|          | 17       |  | 7514A GOST27365-87                           | 2                              | Bearing           |
|          | 18       |  | 2.2-100x125-1<br>ГОСТ 8752-79/OCT 3805146-78 | 2                              | Cuff              |
|          | 19       |  | 1521-2308017-01                              | 2                              | Flange            |
|          | 20       |  | 40-3103016                                   | 16                             | Front wheel bolt  |
|          | 21       |  | M16-6H.6.019 ГОСТ 5915-70                    | 16                             | Nut               |
|          | 22       |  | 16 OT OCT 37.001.115-75                      | 16                             | Washer            |
|          | 23       |  | 1520-2308077                                 | 12                             | Bush              |
|          | 24       |  | 822-2308074                                  | 1                              | Lever left        |
|          |          |  | 822-2308075                                  | 1                              | Lever right       |
|          | 25       |  | 1520-2308079                                 | 11                             | Pin               |
|          | 26       |  | 1520-2308079-02                              | 1                              | Pin               |
|          | 27       |  | 1520-2308015                                 | 2                              | Casing            |
|          | 28       |  | 1520-2308034                                 | 2                              | Gasket            |
|          | 29       |  | "MINTOR" TSS0G-1/8"                          | 2                              | Breather          |
|          | 30       |  | 1021-2308076                                 | 1                              | Bracket           |
|          | 31       |  | 1521-2308012                                 | 2                              | Bolt              |
|          | 32       |  | 1521-2308031                                 | 2                              | Tightening plate  |
|          | 33       |  | 1521-2308013                                 | 2                              | Washer            |
| 34       |          | 2007109 ГОСТ 27365-87                        | 4  | Bearing                        |                   |
| 35       |          | 1520-2308061-01                              | 2  | Gear (z=20)                    |                   |
| 36       |          | 2.2-45x65-1<br>ГОСТ 8752-79/OCT 3805146-78   | 2  | Cuff                           |                   |
| 37       |          | 100-105-30-2-4<br>ГОСТ 18829-73/ГОСТ 9833-73 | 2  | Ring                           |                   |
| 38       |          | 1520-2308021                                 | 20(max)                                      | Adjusting spacer B=0.2 mm      |                   |
| 39       |          | 1520-2308021-01                              | 8(max)                                       | Adjusting spacer B=0.5 mm      |                   |
| 40       |          | 1520-2308035                                 | 2  | Cage                           |                   |
| 41       |          | M8-6gx35.88.35.019 ГОСТ 7796-70              | 8  | Bolt                           |                   |
| 42       |          | 8T OCT 37.001.115-75                         | 16   | Washer                         |                   |

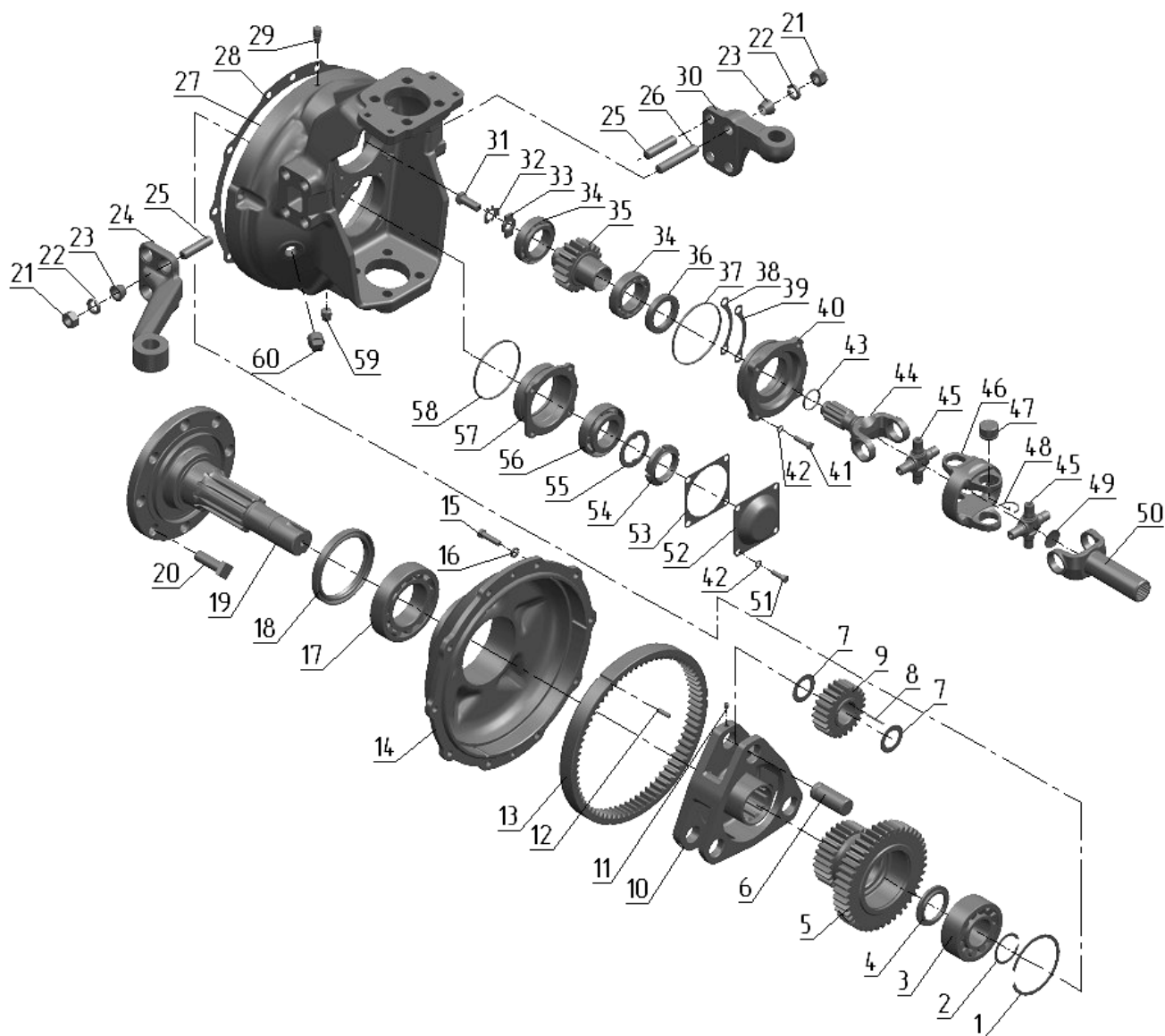


Fig. 23.6. Final drive reduction gear of the front driving axle (for FDA 822-2300020(Fig.23.2))

**Group 23. Front driving axle  
Subgroup 2308. Final drive reduction gear  
of the front driving axle (for 822-2300020(Fig.23.2))**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                          | <b>Q-ty</b> | <b>Description</b>          |
|-----------------|-----------------|---|-------------|-----------------------------|
| 23.6            | 43              | 032-036-25-2-4<br>OCT 18829-73/ГОСТ 9833-73 | 2           | Ring                        |
|                 | 44              | 1520-2308063-10                             | 2           | Fork                        |
|                 | 45              | 72-2203026-11                               | 4           | Cross                       |
|                 | 46              | 15.22.01.013-10                             | 2           | Double universal joint fork |
|                 | 47              | 704702K3C10 TY 37.006.065-90                | 16          | Bearing                     |
|                 | 48              | 24-2201043-01                               | 16(max)     | Locking ring                |
|                 |                 | 24-2201043-10                               | 16(max)     | Locking ring                |
|                 |                 | 24-2201043-20                               | 16(max)     | Locking ring                |
|                 |                 | 24-2201043-30                               | 16(max)     | Locking ring                |
|                 | 49              | 32  | 2           | Choke                       |
|                 | 50              | 1520-2308048                                | 2           | Fork                        |
|                 | 51              | M8-6gx25.88.35.019 ГОСТ 7796-70             | 8           | Bolt                        |
|                 | 52              | 1520-2308004                                | 2           | Cover                       |
|                 | 53              | 1520-2308003                                | 2           | Gasket                      |
|                 | 54              | 80-1701045                                  | 2           | Nut                         |
|                 | 55              | 80-1701056                                  | 2           | Washer                      |
|                 | 56              | 7509A ГОСТ 27365-87                         | 2           | Bearing                     |
|                 | 57              | 1520-2308002                                | 2           | Cage                        |
|                 | 58              | 095-100-30-1-4 ГОСТ 18829-73/9833-73        | 2           | Ring                        |
|                 | 59              | ПК КГ 3/8"                                  | 2           | Plug                        |
| 60              | ПК КГ 3/4"      | 2   | Plug        |                             |

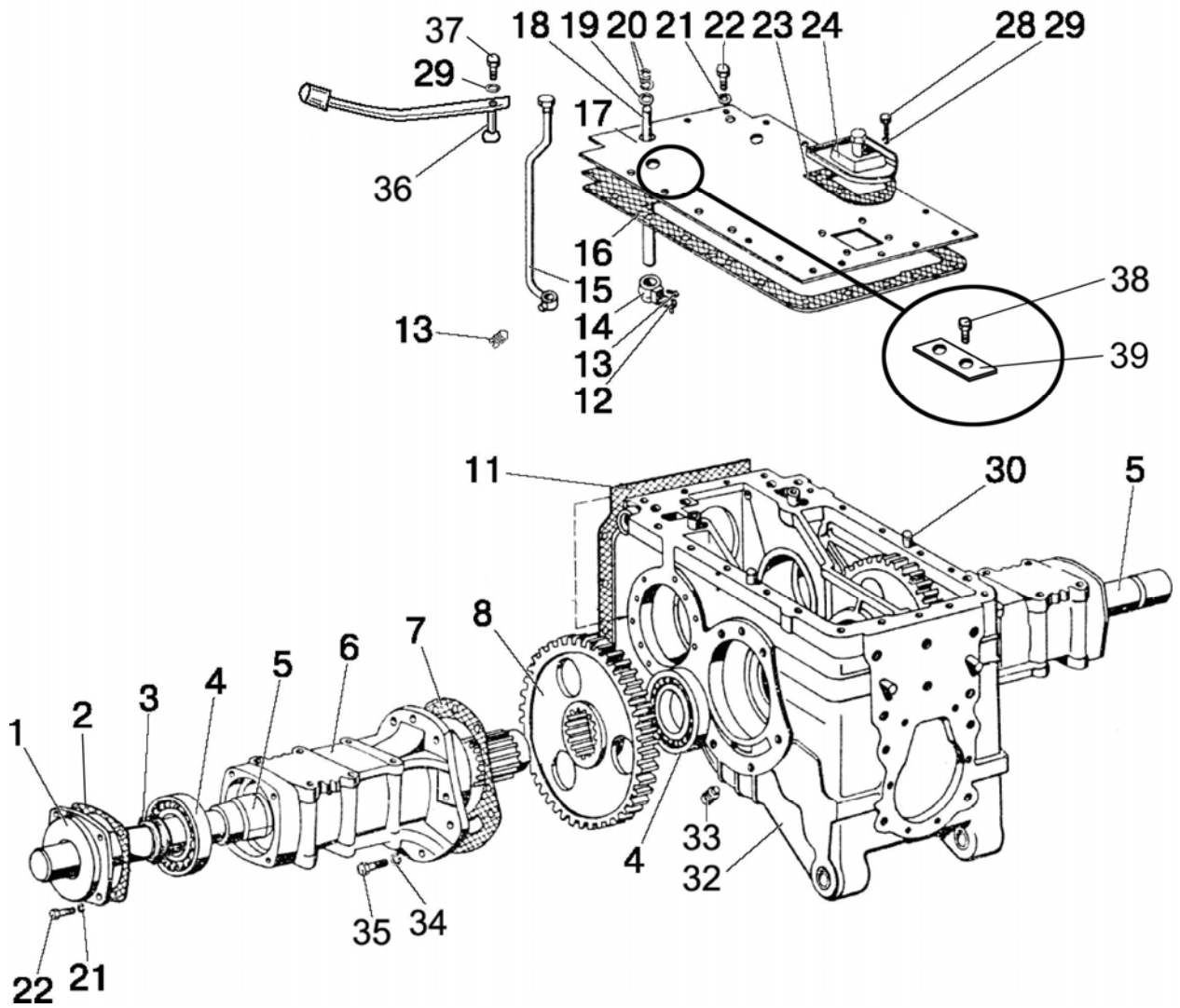


Fig.24.1. Rear axle casing. Final drive

**Group 24. Rear axle  
Subgroup 2401, 2407. Rear axle casing. Final drive**

| Fig. No. | Pos. No.                         | Designation                                 | Q-ty  | Description  |
|----------|----------------------------------|---|-------|--|
| 24.1     |                                  | 70-2401010-01                               | 1     | Rear axle (1-37)(twin-disk brake)                  |
|          |                                  | 70-2401010-04                               | 1     | Rear axle (1-37)(three-disk brake)                 |
|          |                                  | 70-2401010-05                               | 1     | Rear axle (1-39)(twin-disk brake, hydraulic lift)  |
|          |                                  | 70-2401010-06                               | 1     | Rear axle (1-39)(three-disk brake, hydraulic lift) |
|          |                                  | 50-2407020-A-01                             | 2     | Half-axle tube (1-6, 21, 22)                       |
|          |                                  | 50-2401040                                  | 1     | Control roller (18-20)                             |
|          |                                  | 50-2407030                                  | 2     | Tube cover (1, 3)                                  |
|          | 1                                | 50-2407028                                  | 2     | Cover  |
|          | 2                                | 50-2407029                                  | 2     | Gasket   |
|          | 3                                | 2.2-80x105-1<br>ГОСТ 8752-79/OCT 3805146-78 | 2     | Cuff   |
|          | 4                                | 217 A ГОСТ 8338-75                          | 4     | Bearing  |
|          | 5                                | 50-2407082-A-01                             | 2     | Semiring   |
|          | 6                                | 50-2407018-A-01                             | 2     | Half-axle tube                                     |
|          | 7                                | 50-2407031-Б                                | 4     | Gasket   |
|          | 8                                | 50-2407122                                  | 2     | Gear   |
|          | 11                               | 50-2401016-Б                                | 2     | Gasket   |
|          | 12                               | 1,6-O-C ГОСТ 3282-74                        | 1     | Wire (200 mm)                                      |
|          | 13                               | 36-1702110                                  | 2     | Screw  |
|          | 14                               | 50-2401020                                  | 1     | Arm  |
|          | 15                               | 80-2401050*                                 | 1     | Lever  |
|          |                                  | 74-2401050**                                | 1     | Lever  |
|          | 16                               | 50-2401025-A                                | 1     | Gasket   |
|          | 17                               | 70-2401024*                                 | 1     | Cover  |
|          |                                  | 70-2401024-01**                             | 1     | Cover  |
|          | 18                               | 50-2401019-Б                                | 1     | Roller   |
|          | 19                               | 020-025-30-1-4 ГОСТ 18829-73/9833-73        | 1     | Ring   |
|          | 20                               | 50-2401031                                  | 2     | Washer   |
|          | 21                               | 12 OT OCT 37.001.115-75                     | 19    | Washer   |
|          | 22                               | M12-6gx30.88.35.019 ГОСТ 7796-70            | 19    | Bolt   |
|          | 23                               | 50-2401027-A                                | 1     | Gasket   |
|          | 24                               | 50-2401060-A*                               | 1     | Cover with breather                                |
|          |                                  | 1221-2401026**                              | 1     | Cover  |
|          | 28                               | M8-6gx16.88.35.019 ГОСТ 7796-70             | 4     | Bolt   |
|          | 29                               | 8T OCT 37.001.115-75                        | 4     | Washer   |
|          | 30                               | Д01-015                                     | 2     | Pin  |
|          | 32                               | 50-2401015-01*                              | 1     | Casing   |
|          |                                  | 50-2401015-07**                             | 1     | Casing   |
|          | 33                               | 70-1701300                                  | 1     | Plug 1 1/4"  |
|          | 34                               | 16 OT OCT 37.001.115-75                     | 18    | Washer   |
| 35       | M16-6gx50.88.35.019 ГОСТ 7796-70 | 17  | Bolt  |  |
| 36       | 85-2401080-A                     | 1   | Lever |  |
| 37       | M8-6gx55.88.35.019 ГОСТ 7795-70  | 1   | Bolt  |  |
| 38       | 600-2401026**                    | 1   | Bolt  |  |
| 39       | 600-2401014**                    | 1   | Plate |  |

\* the tractor is equipped with power governor

\*\*the tractor is equipped with hydraulic lift

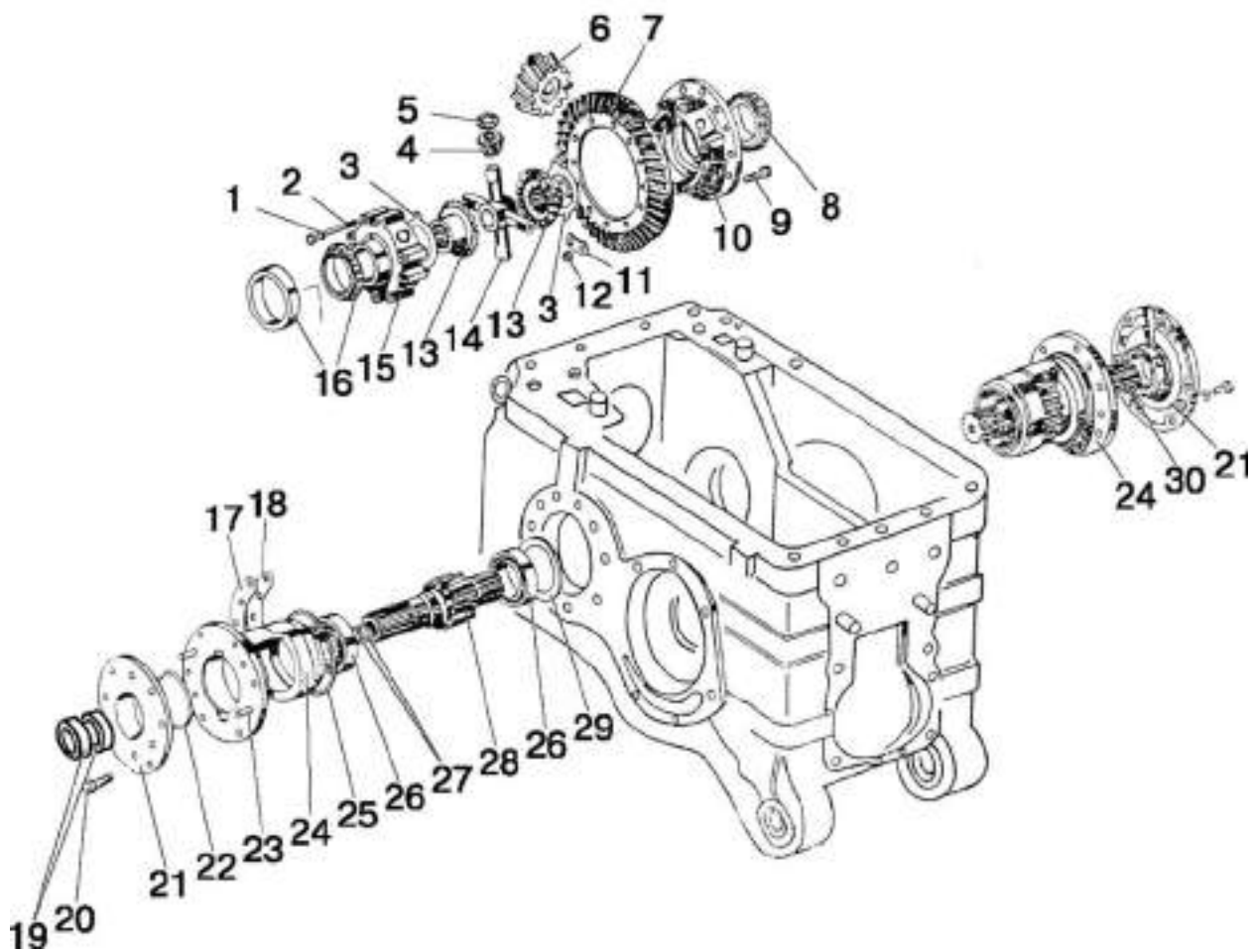


Fig.24.2. Differential. Bearing cage



**Group 24. Rear axle  
Subgroup 2403. Differential. Bearing cage**

| Fig. No. | Pos. No.                             | Designation   | Q-ty  | Description   |
|----------|--------------------------------------|---|---|---|
| 24.2     |                                      | 85-2403020  | 1   | Differential (1-5, 9-15)  |
|          |                                      | 50-2403014  | 1   | Final drive gears in pair (6, 7)  |
|          |                                      | 50-2407050-A-01   | 2   | Cage cover (19, 21, 22)   |
|          |                                      | 85-2403015  | 1   | Differential casing (10,15)   |
|          |                                      | 70-2407060<br>70-2406060-04                               | 1   | Left cage (24-29) (twin-disk brake)<br>Left cage (24-29) (three-disk brake)                                   |
|          |                                      | 70-2407060-01<br><br>70-2407060-05                        | 1   | Right cage (24-27, 29, 30) (24-29) (twin-disk brake)<br>Right cage (24-27, 29, 30) (24-29) (three-disk brake) |
|          | 1                                    | 12 OT OCT 37.001.115-75                                   | 8   | Washer  |
|          | 2                                    | 50-2403034-A  | 8   | Bolt  |
|          | 3                                    | 50-2403049-B  | 2   | Bolster   |
|          | 4                                    | 85-2403055-01   | 4   | Pinion with bush  |
|          | 5                                    | 85-2403025  | 4   | Pinion washer   |
|          | 6                                    | 50-1701105-B  | 1   | Driving gear  |
|          | 7                                    | 50-2403021-B or<br>50-2403021-B-01                        | 1   | Driven gear   |
|          | 8                                    | 7515A ГОСТ 27365-87                                       | 1   | Bearing   |
|          | 9                                    | 50-1702092  | 12  | Fitter bolt   |
|          | 10                                   | 85-2403018  | 1   | Casing  |
|          | 11                                   | 50-2403023  | 6   | Tightening plate  |
|          | 12                                   | M12-6H.6.019 ГОСТ 5915-70                                 | 12  | Nut   |
|          | 13                                   | 50-2403048  | 2   | Half-axle gear  |
|          | 14                                   | 50-2403062-A2   | 1   | Cross   |
|          | 15                                   | 85-2403019  | 1   | Cover   |
|          | 16                                   | 7215A ГОСТ 27365-87                                       | 1   | Bearing   |
|          | 17                                   | 50-2407056  | 14  | Gasket 0.5 mm   |
|          | 18                                   | 50-2407057  | 10  | Gasket 0.2 mm   |
|          | 19                                   | KΦA-50x70   | 4   | Cuff  |
|          | 20                                   | M12-6gx25.88.35.019 ГОСТ 7796-70                          | 4   | Bolt  |
|          | 21                                   | 85-2407059  | 2   | Cage cover  |
|          | 22                                   | ЦС110-1414045-4<br>(104-110-40-1-4 ГОСТ 18829-73/9833-73) | 2   | Ring  |
|          | 23                                   | 50-1601352  | 4   | Pin   |
|          | 24                                   | 50X-2407042   | 2   | Cage  |
| 25       | 160-165-36-1-4 ГОСТ 18829-73/9833-73 | 2   | Ring  |   |
| 26       | 6-42212KM ГОСТ 8328-75               | 4   | Bearing   |   |
| 27       | 035-040-30-1-4 ГОСТ 18829-73/9833-73 | 4   | Ring  |   |
| 28       | 70-2407053<br>70-2407053-04          | 1   | Left gear (twin-disk brake)<br>Left gear (three-disk brake)   |   |
| 29       | 85-2407043                           | 2   | Ring  |   |
| 30       | 70-2407053-01<br>70-2407053-05       | 1   | Right gear (twin-disk brake)<br>Right gear (three-disk brake) |   |

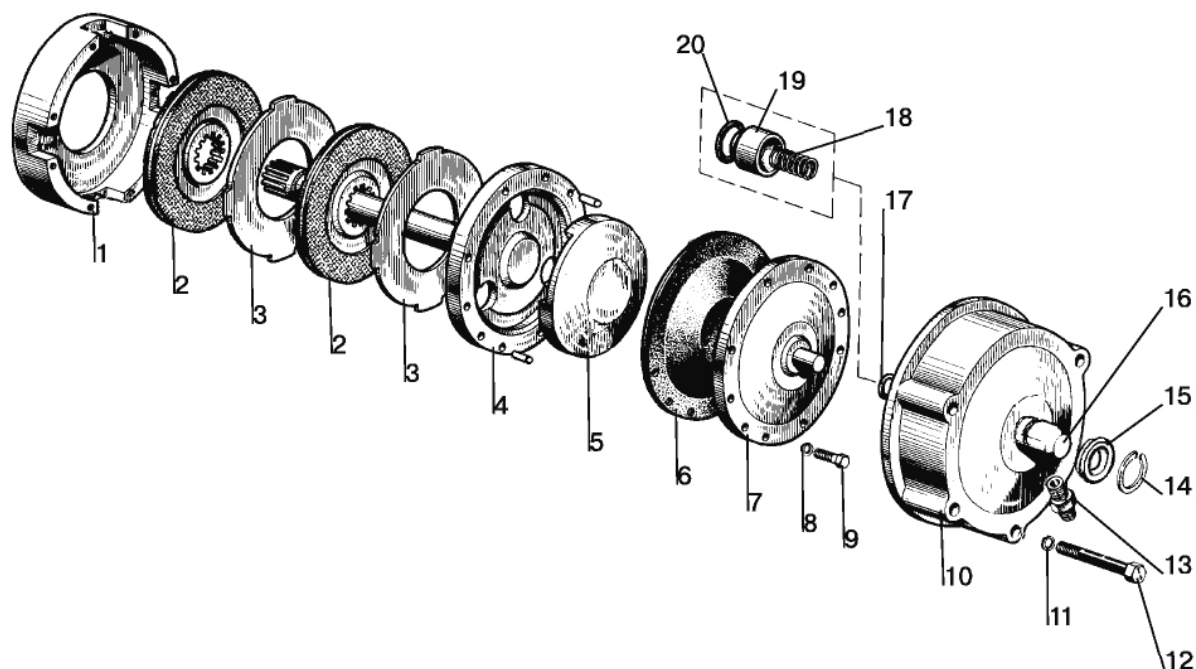


Fig. 24.3. Differential lock mechanism

**Group 24. Rear axle  
Subgroup 2409. Differential lock mechanism**

| Fig. No. | Pos. No.     | Designation                                     | Q-ty | Description          |
|----------|--------------|---|------|----------------------|
| 24.3     |              | 70-2409010-Б<br>70-2409010-Б-01*                | 1    | Lock-up clutch (1-9) |
|          |              | 82P-2409050                                     | 1    | Adapter (10, 13-20)  |
|          | 1            | 70-2409015-А                                    | 1    | Clutch casing        |
|          | 2            | 70-3502040-01 or<br>70-3502040-04               | 2    | Brake disk           |
|          | 3            | 70-2409028                                      | 2    | Throw-out disk       |
|          | 4            | 70-2409020<br>70-2409020-01*                    | 1    | Lock-up shaft        |
|          | 5            | 70-2409018                                      | 1    | Pressure plate       |
|          | 6            | 70-2409021                                      | 1    | Diaphragm            |
|          | 7            | 70-2409030-Б                                    | 1    | Diaphragm cover      |
|          | 8            | 8Т ОСТ 37.001.115-75                            | 8    | Washer               |
|          | 9            | M8-6gx40.88.35.019 ГОСТ 7795-70                 | 8    | Bolt                 |
|          | 10           | 70-2409035-А6                                   | 1    | Cover                |
|          | 11           | 12 ОТ ОСТ 37.001.115-75                         | 5    | Washer               |
|          | 12           | M12-6gx200.58.019 ГОСТ 7795-70<br>1522-2409034* | 5    | Bolt                 |
|          | 13           | 70-2409037                                      | 1    | Connecting pipe      |
|          | 14           | С40 ГОСТ 13940-86                               | 1    | Ring                 |
|          | 15           | 82P-2409036А                                    | 1    | Seal                 |
|          | 16           | 70-2409026-Б                                    | 1    | Adapter              |
|          | 17           | 020-025-30-1-4 ГОСТ 18829-73/ГОСТ<br>9833-73    | 1    | Ring                 |
|          | 18           | 54-06-448-А                                     | 1    | Spring               |
| 19       | 70-2409027-А | 1   | Bush |                      |
| 20       | 70-2409033-Б | 1   | Ring |                      |

\* Variant for three-disk brakes

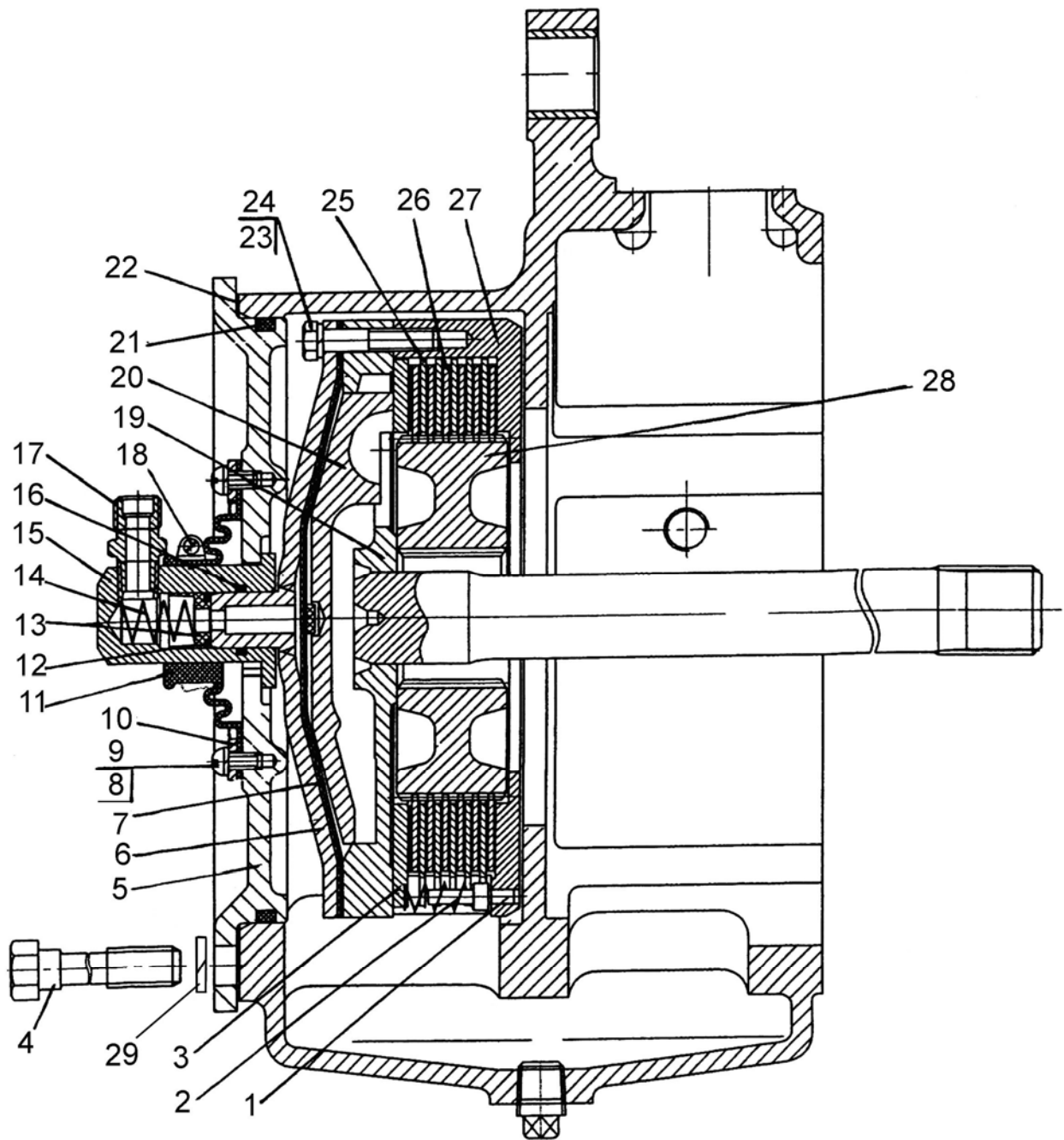


Fig.24.4. Wet-type differential lock mechanism

**Group 24. Rear axle  
Subgroup 2409. Wet-type differential lock mechanism**

| Fig. No. | Pos. No.                        | Designation                          | Q-ty              | Description                               |                           |
|----------|---------------------------------|--------------------------------------|-------------------|---|---------------------------|
| 24.4     |                                 | 80M-2409010                          | 1                 | Lock-up clutch (1-3, 6, 7, 19, 20, 23-28) |                           |
|          |                                 | 1221M-2409050                        | 1                 | Adapter (5,8-18,21)                       |                           |
|          | 1                               | 80M-2409002                          | 4                 | Pin                                       |                           |
|          | 2                               | 50-1702148-A                         | 4                 | Spring                                    |                           |
|          | 3                               |                                      | 80M-2409028       | 1   | Throw-out disk (S=4.7 mm) |
|          |                                 |                                      | 80M-2409028-01    | *   | Throw-out disk (S=4.4 mm) |
|          |                                 |                                      | 80M-2409028-02    | *   | Throw-out disk (S=4.1 mm) |
|          |                                 |                                      | 80M-2409028-03    | *   | Throw-out disk (S=3.8 mm) |
|          |                                 |                                      | 80M-2409028-04    | *   | Throw-out disk (S=3.5 mm) |
|          |                                 |                                      | 80M-2409028-05    | *   | Throw-out disk (S=3.2 mm) |
|          |                                 |                                      | 80M-2409028-06    | *   | Throw-out disk (S=3.0 mm) |
|          | 4                               | 1221M-3502039                        | 5                 | Bolt                                      |                           |
|          | 5                               | 1221M-2409034                        | 1                 | Cover                                     |                           |
|          | 6                               | 70-2409030-Б                         | 1                 | Diaphragm cover                           |                           |
|          | 7                               | 70-2409021                           | 1                 | Diaphragm                                 |                           |
|          | 8                               | B.M6-6gx10.58.019 ГОСТ 17473-80      | 8                 | Screw                                     |                           |
|          | 9                               | 6T OCT 37.001.115-75                 | 8                 | Washer                                    |                           |
|          | 10                              | 80M-2409037                          | 1                 | Ring                                      |                           |
|          | 11                              | 80M-2409036                          | 1                 | Seal                                      |                           |
|          | 12                              | 70-2409033-Б                         | 1                 | Ring                                      |                           |
|          | 13                              | 70-2409027-A                         | 1                 | Bush                                      |                           |
|          | 14                              | 54-06-448-A                          | 1                 | Spring                                    |                           |
|          | 15                              | 70-2409026-Б                         | 1                 | Adapter                                   |                           |
|          | 16                              | 020-025-30-1-4 ГОСТ 18829-73/9833-73 | 1                 | Ring                                      |                           |
|          | 17                              | 70-2409037                           | 1                 | Connecting pipe                           |                           |
|          | 18                              | 32-50/9C6W                           | 1                 | Clamp "NORMA"                             |                           |
|          | 19                              | 70-2409020-02                        | 1                 | Lock-up shaft                             |                           |
|          | 20                              | 80M-2409018                          | 1                 | Pressure plate                            |                           |
|          | 21                              | 205-215-58-2-2 ГОСТ 18829-73/9833-73 | 1                 | Ring                                      |                           |
| 22       | 1221M-2409051                   | 1                                    | Gasket            |   |                           |
| 23       | M8-6gx40.88.35.019 ГОСТ 7795-70 | 8                                    | Bolt              |   |                           |
| 24       | 8T OCT 37.001.115-75            | 8                                    | Washer            |   |                           |
| 25       | 80M-2409016                     | 5                                    | Intermediate disk |   |                           |
| 26       | 2522-1802035-A                  | 6                                    | Driving disk      |   |                           |
| 27       | 80M-2409015                     | 1                                    | Clutch casing     |   |                           |
| 28       | 80M-2409001                     | 1                                    | Hub               |   |                           |
| 29       | 14 OT OCT 37.001.115-75         | 5                                    | Washer            |   |                           |

\* To be selected for ensuring the necessary gap during the assembling

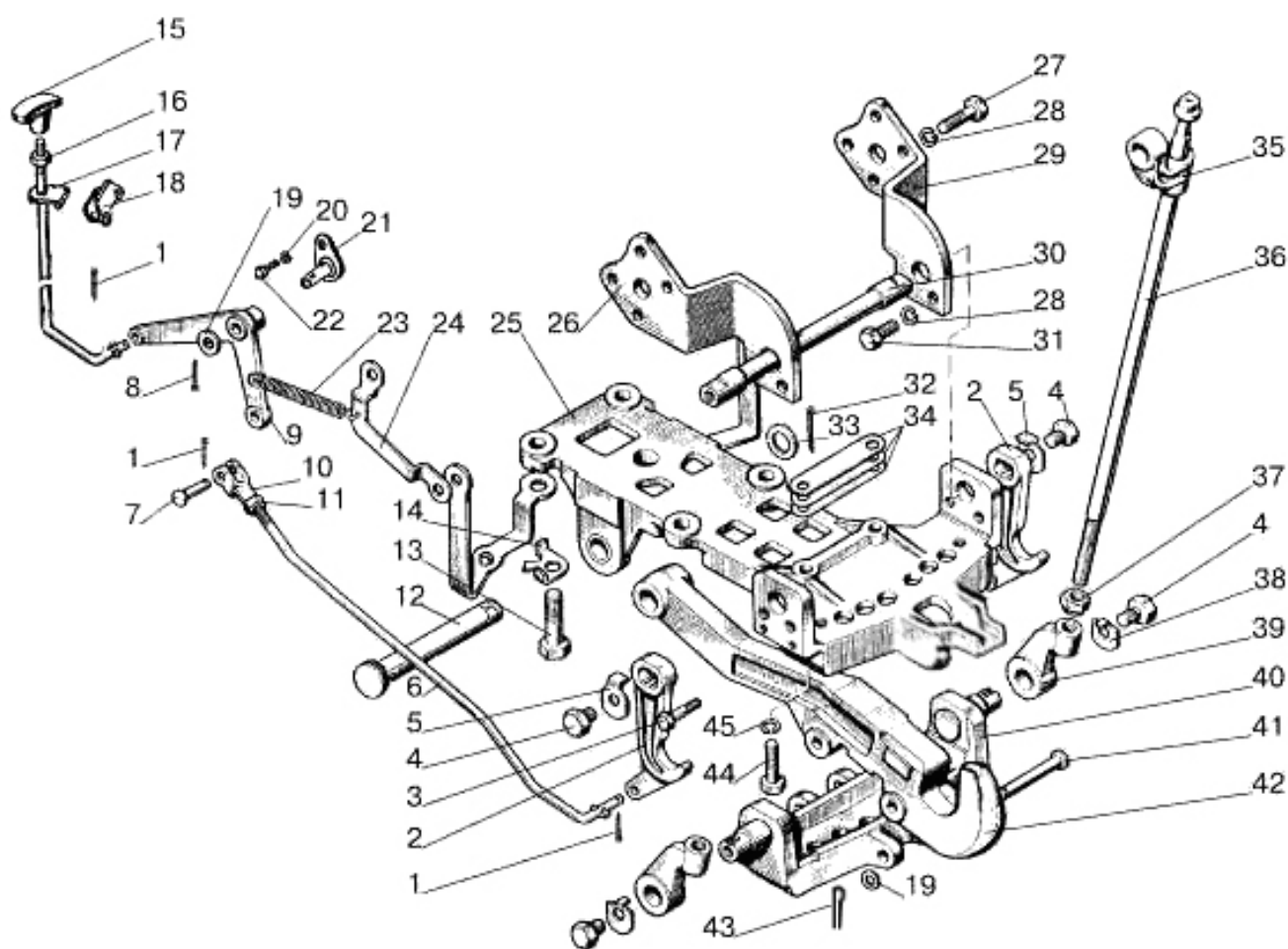


Fig.27.1. Hitch. Hook version (optional)

**Group 27. Hitch  
Subgroup 2707. Hitch. Hook version (optional).**

| Fig. No. | Pos. No.                | Designation                      | Q-ty       | Description     |
|----------|-------------------------|----------------------------------|------------|-----------------|
| 27.1     |                         | 80-2707110-03                    | 1          | Hitch (1-45)    |
|          | 1                       | 3,2x18.019 ГОСТ 397-79           | 3          | Cotter pin      |
|          | 2                       | 80-2807077                       | 2          | Gripping device |
|          | 3                       | 80-2707118                       | 1          | Bolt            |
|          | 4                       | 80-2707137                       | 4          | Bolt            |
|          | 5                       | 80-2707153                       | 2          | Washer          |
|          | 6                       | 80-2707133-Б                     | 1          | Rod             |
|          | 7                       | 12x32 OCT 37.001.163-75          | 1          | Pin             |
|          | 8                       | 3,2x25.019 ГОСТ 397-79           | 1          | Cotter pin      |
|          | 9                       | 70-2807079                       | 1          | Lever           |
|          | 10                      | 50-3502203                       | 1          | Fork            |
|          | 11                      | M12x1,25-6H.04.019 ГОСТ 5916-70  | 1          | Nut             |
|          | 12                      | 80-4619019                       | 1          | Pin             |
|          | 13                      | 40-3104021                       | 4          | Bolt            |
|          | 14                      | 70-2807044                       | 4          | Washer          |
|          | 15                      | 50-1310136-A                     | 1          | Handle          |
|          | 16                      | M8-6H.6.019 ГОСТ 5915-70         | 1          | Nut             |
|          | 17                      | 80-2807080-Б                     | 1          | Handle          |
|          | 18                      | 85-2807092                       | 1          | Bracket         |
|          | 19                      | C 16.01.019 ГОСТ 11371-78        | 1          | Washer          |
|          | 20                      | 10 OT OCT 37.001.115-75          | 1          | Washer          |
|          | 21                      | 70-1602120-Б                     | 1          | Axle flange     |
|          | 22                      | M10-6gx16.88.35.019 ГОСТ 7796-70 | 1          | Bolt            |
|          | 23                      | 50-1605152                       | 1          | Spring          |
|          | 24                      | 70-2807081                       | 1          | Bracket         |
|          | 25                      | 80-2707120-Б1                    | 1          | Bracket         |
|          | 26                      | 80-2707116                       | 1          | Side piece      |
|          | 27                      | M16-6gx50.88.35.019 ГОСТ 7796-70 | 8          | Bolt            |
|          | 28                      | 16 OT OCT 37.001.115-75          | 12         | Washer          |
|          | 29                      | 80-2707116-01                    | 1          | Side piece      |
|          | 30                      | 80-2707141                       | 1          | Shaft           |
|          | 31                      | M16-6gx32.88.35.019 ГОСТ 7796-70 | 4          | Bolt            |
|          | 32                      | 6,3x36.019 ГОСТ 397-79           | 1          | Cotter pin      |
|          | 33                      | 70-4619042                       | 1          | Washer          |
|          | 34                      | 70-2807039                       | 2          | Plate 1 mm      |
|          |                         | 70-2807039-01                    | 1          | Plate 0.5 mm    |
|          |                         | 70-2807039-02                    | 2          | Plate 0.2 mm    |
|          | 35                      | 70-2807051                       | 2          | Shackle         |
|          | 36                      | 70-2807052-Б                     | 2          | Screw           |
|          | 37                      | 40-3405062                       | 2          | Nut             |
|          | 38                      | 80-2707138                       | 2          | Washer          |
|          | 39                      | 70-2807053-Б                     | 2          | Nut             |
|          | 40                      | 80-2707130-Б                     | 1          | Cross-bar       |
|          | 41                      | 80-2707123                       | 2          | Shaft           |
|          | 42                      | 80-2707111-Б                     | 1          | Hook            |
| 43       | 5x36.019 ГОСТ 397-79    | 2                                | Cotter pin |                 |
| 44       | 80-2807026-01           | 2                                | Bolt       |                 |
| 45       | 18 OT OCT 37.001.115-75 | 2                                | Washer     |                 |

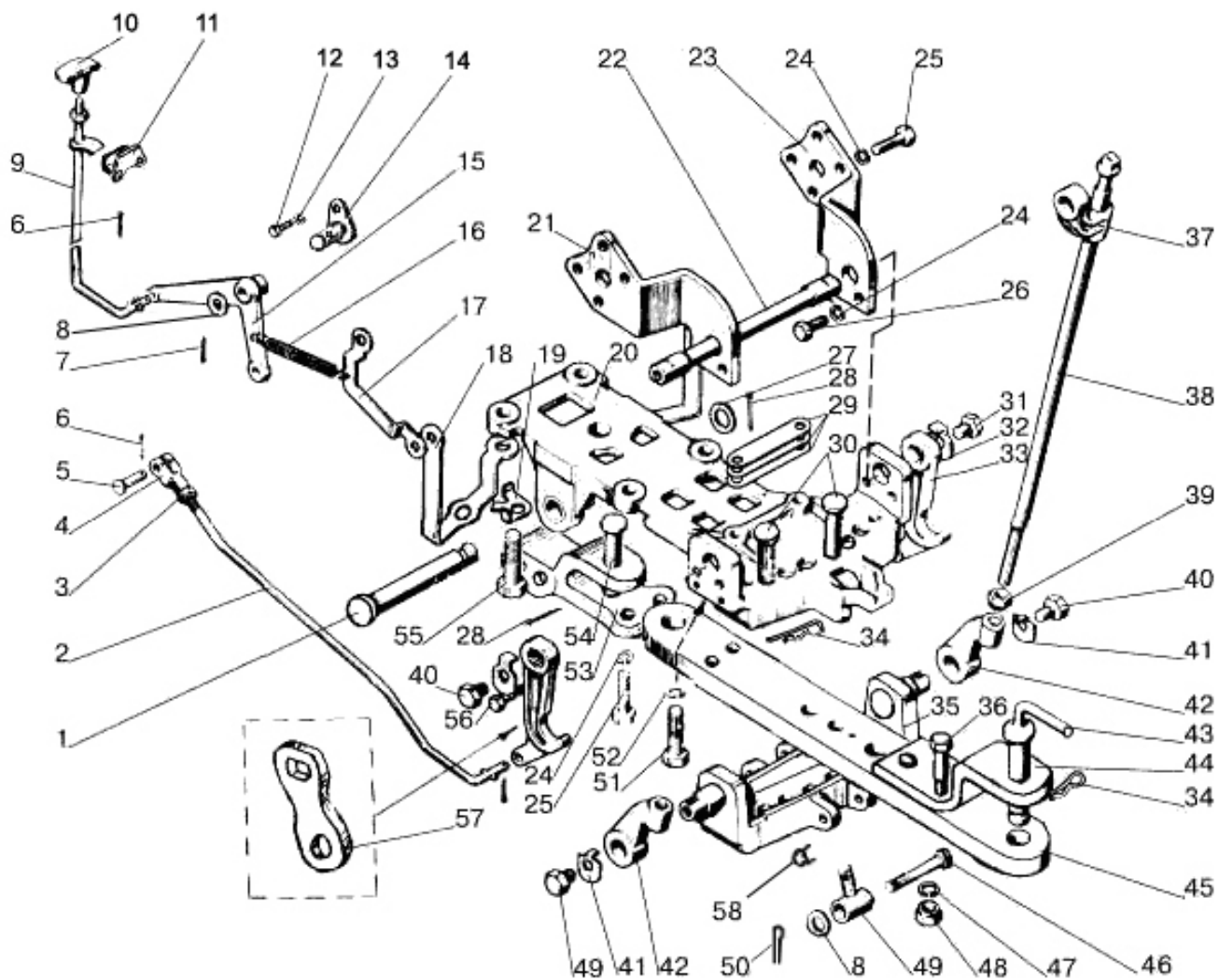


Fig.27.2. Hitch. "Pendulum" or "trailer" version (optional)



**Group 27. Hitch.  
Subgroup 2707. Hitch. "Pendulum" or "trailer" version**

| Fig. No. | Pos. No.                      | Designation                      | Q-ty                     | Description                         |              |
|----------|-------------------------------|----------------------------------|--------------------------|-------------------------------------|--------------|
| 27.2     |                               | 80-2707110-01/-05                |                          | Hitch                               |              |
|          | 1                             | 80-4619019                       | 1                        | Pin                                 |              |
|          | 2                             | 80-2707133-Б                     | 1                        | Rod                                 |              |
|          | 3                             | M12x1,25-6H.04.019 ГОСТ 5916-70  | 1                        | Nut                                 |              |
|          | 4                             | 50-3502203                       | 1                        | Fork                                |              |
|          | 5                             | 12x32 OCT 37.001.163-75          | 1                        | Pin                                 |              |
|          | 6                             | 3,2x18.019 ГОСТ 397-79           | 3                        | Cotter pin                          |              |
|          | 7                             | 3,2x25.019 ГОСТ 397-79           | 1                        | Cotter pin                          |              |
|          | 8                             | C 16.01.019 ГОСТ 11371-78        | 2                        | Washer                              |              |
|          | 9                             |                                  | 80-2807080-Б             | 1                                   | Handle       |
|          |                               |                                  | M8-6H.6.019 ГОСТ 5915-70 | 1                                   | Nut          |
|          | 10                            | 50-1310136-A                     | 1                        | Handle                              |              |
|          | 11                            | 85-2807092                       | 1                        | Bracket                             |              |
|          | 12                            | M10-6gx16.88.35.019 ГОСТ 7796-70 | 1                        | Bolt                                |              |
|          | 13                            | 8T OCT 37.001.115-75             | 1                        | Washer                              |              |
|          | 14                            | 70-1602120-Б                     | 1                        | Axle flange                         |              |
|          | 15                            | 70-2807079                       | 1                        | Lever                               |              |
|          | 16                            | 50-1605152                       | 1                        | Spring                              |              |
|          | 17                            | 70-2807081                       | 1                        | Bracket                             |              |
|          | 18                            |                                  | 80-2707129               | 1                                   | Left plate   |
|          |                               |                                  | 80-2707129-01            | 1                                   | Right plate  |
|          | 19                            | 70-2807044                       | 4                        | Washer                              |              |
|          | 20                            | 80-2707120-Б                     | 1                        | Bracket                             |              |
|          | 21                            | 80-2707116                       | 1                        | Side piece                          |              |
|          | 22                            | 80-2707141                       | 1                        | Shaft                               |              |
|          | 23                            | 80-2707116-01                    | 1                        | Side piece                          |              |
|          | 24                            | 16 OT OCT 37.001.115-75          | 14                       | Washer                              |              |
|          | 25                            | M16-6gx50.88.35.019 ГОСТ 7796-70 | 8                        | Bolt                                |              |
|          | 26                            | M16-6gx32.88.35.019 ГОСТ 7796-70 | 4                        | Bolt                                |              |
|          | 27                            | 70-4619042                       | 1                        | Washer                              |              |
|          | 28                            | 6,3x36.019 ГОСТ 397-79           | 1                        | Cotter pin                          |              |
|          | 29                            |                                  | 70-2807039               | 2                                   | Plate 1 mm   |
|          |                               |                                  | 70-2807039-01            | 1                                   | Plate 0.5 mm |
|          |                               |                                  | 70-2807039-02            | 2                                   | Plate 0.2 mm |
|          | 30                            | 80-2707128                       | 2                        | Pin                                 |              |
|          | 31                            | 80-2707137                       | 4                        | Bolt                                |              |
|          | 32                            | 80-2707153                       | 2                        | Washer                              |              |
|          | 33                            | 80-2707077                       | 2                        | Gripping device                     |              |
|          | 34                            | A61.07.001                       | 2                        | Cotter pin                          |              |
|          | 35                            | 80-2707130-Б                     | 1                        | Cross-bar                           |              |
|          | 36                            | 80-2707149                       | 3                        | Bolt                                |              |
|          | 37                            | 70-2807051                       | 2                        | Shackle                             |              |
|          | 38                            | 70-2807052-Б                     | 2                        | Screw                               |              |
|          | 39                            | 40-3405062                       | 2                        | Nut                                 |              |
|          | 40                            | 80-2707137                       | 4                        | Bolt                                |              |
|          | 41                            | 80-2707138                       | 2                        | Washer                              |              |
|          | 42                            | 70-2807053-Б                     | 2                        | Nut                                 |              |
|          | 43                            | 50-4605079-Б                     | 1                        | Pin assembly                        |              |
|          | 44                            | 80-2707143                       | 1                        | Liner                               |              |
|          | 45                            | 80-2707144-Б1                    | 1                        | Rod (for assembly 80-2707110-A1-01) |              |
| 46       | 80-2707123                    | 2                                | Shaft                    |                                     |              |
| 47       | 20 OT OCT 37.001.115-75       | 3                                | Washer                   |                                     |              |
| 48       | M20x1,5-6H.6.019 ГОСТ 5915-70 | 3                                | Nut                      |                                     |              |
| 49       | 80-2707126                    | 2                                | Pin                      |                                     |              |
| 50       | 5x36.019 ГОСТ 397-79          | 2                                | Cotter pin               |                                     |              |

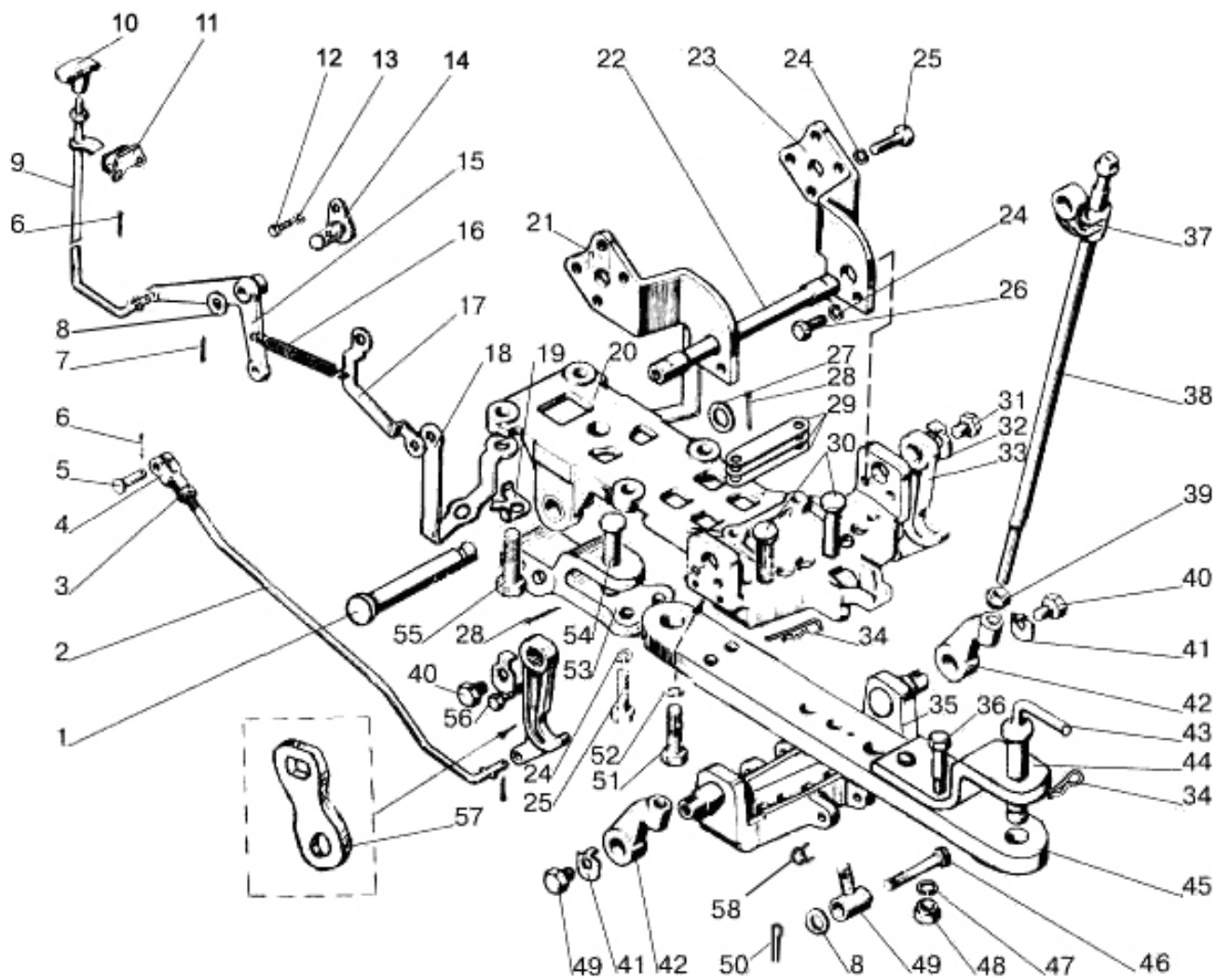


Fig.27.2. Hitch. "Pendulum" or "trailer" version (optional)

**Group 27. Hitch.**  
**Subgroup 2707. Hitch. "Pendulum" or "trailer" version**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>      | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|-------------------------|-------------|--------------------|
| 27.2            | 51              | 80-2807026-01           | 2           | Bolt               |
|                 | 52              | 18 OT OCT 37.001.115-75 | 2           | Washer             |
|                 | 53              | 80-2707124              | 1           | Shackle            |
|                 | 54              | 80-2707127              | 1           | Pin                |
|                 | 55              | 40-3104021              | 4           | Bolt               |
|                 | 56              | 80-2707118              | 1           | Bolt               |
|                 | 57              | 80-2707177              | 1           | Plate              |
|                 | 58              | A61.05.004              | 2           | Ring               |

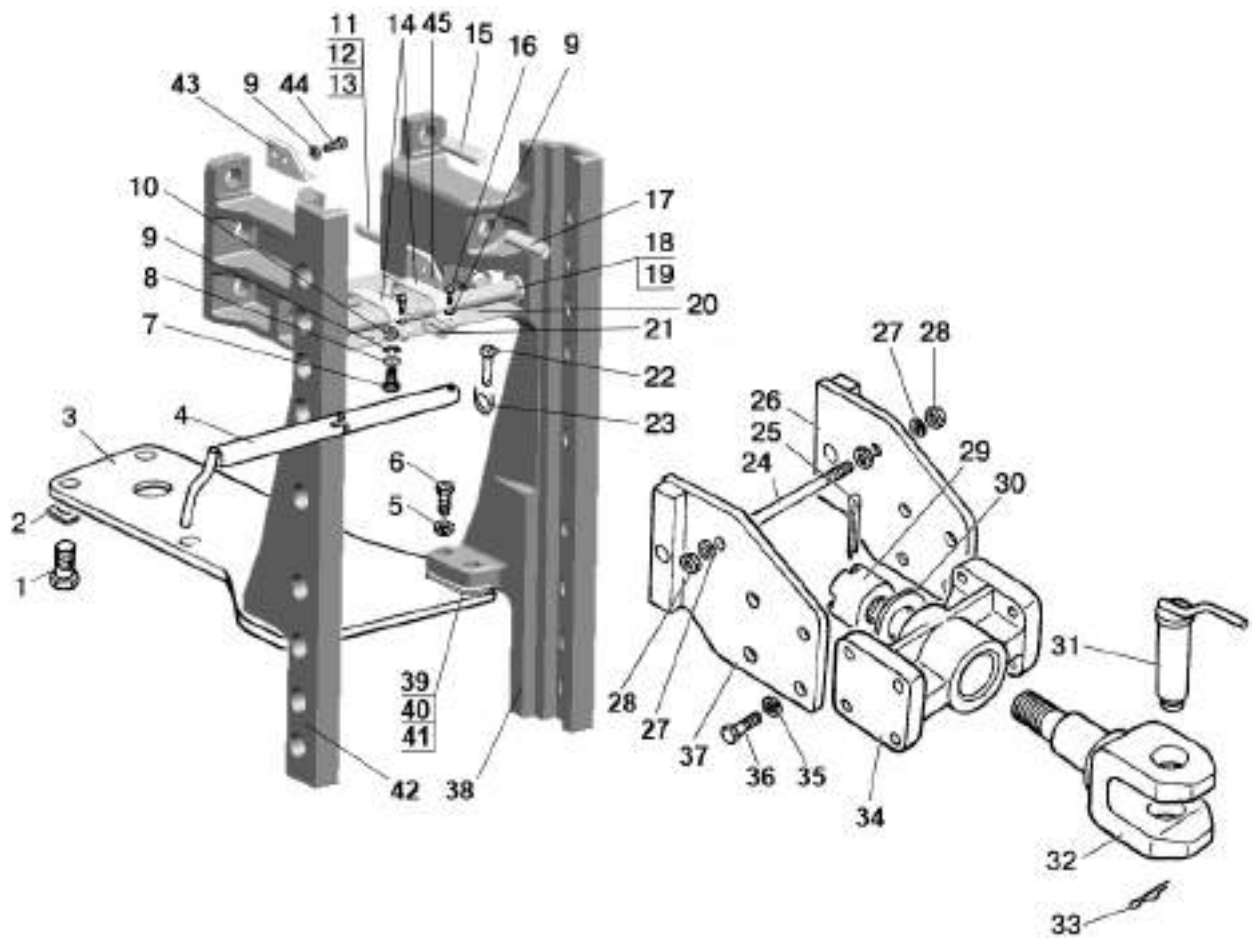


Fig.27.3 Traction hitch mechanism

**Group 27. Hitch  
Subgroup 2707. Traction hitch mechanism**

| Fig. No. | Pos. No.     | Designation                     | Q-ty         | Description              |
|----------|--------------|---------------------------------|--------------|--------------------------|
| 27.3     |              | 1322-2707210                    | 1            | Traction hitch mechanism |
|          | 1            | 1321-2707014                    | 4            | Bolt                     |
|          | 2            | 1222-2707137                    | 2            | Plate                    |
|          | 3            | 1321-2707011-Б                  | 1            | Plate                    |
|          | 4            | 1321-2707030                    | 1            | Pin                      |
|          | 5            | 16 ОТ ОГСТ 37.001.115-75        | 4            | Washer                   |
|          | 6            | 1220-4605506                    | 4            | Bolt                     |
|          | 7            | M6-6gx18.88.35.019 ГОСТ 7798-70 | 1            | Bolt                     |
|          | 8            | C 6.01.019 ГОСТ 11371-78        | 1            | Washer                   |
|          | 9            | 6T OCT 37.001.115-75            | 9            | Washer                   |
|          | 10           | M6-6H.6.019 ГОСТ 5915-70        | 1            | Nut                      |
|          | 11           | 921-2707068-02                  | 2            | Pin                      |
|          | 12           | M20-6H.6.019 ГОСТ 5915-70       | 6            | Nut                      |
|          | 13           | 20 ОТ OCT 37.001.115-75         | 6            | Washer                   |
|          | 14           | 1321-2707083-Б                  | 2            | Cramp                    |
|          | 15           | 921-2707068                     | 2            | Pin                      |
|          | 16           | M6-6gx12.88.35.019 ГОСТ 7798-70 | 4            | Bolt                     |
|          | 17           | 921-2707068-03                  | 2            | Pin                      |
|          | 18           | 1322-2707274                    | 1            | Brace                    |
|          | 19           | 1322-2707211                    | 1            | Bush                     |
|          | 20           | 1322-2707280                    | 1            | Shield assembly          |
|          | 21           | A.6x30.65Г ГОСТ 14229-93        | 1            | Pin                      |
|          | 22           | A61.05.005                      | 1            | Locking pin              |
|          | 23           | A61.05.004                      | 1            | Ring                     |
|          | 24           | 1522-2707244                    | 1            | Brace                    |
|          | 25           | 6,3x63.019 ГОСТ 397-79          | 1            | Cotter pin               |
|          | 26           | 1321-2707070-Б-01               | 1            | Plate                    |
|          | 27           | 16 ОТ OCT 37.001.115-75         | 2            | Washer                   |
|          | 28           | M16-6H.6.019 ГОСТ 5915-70       | 4            | Nut                      |
|          | 29           | 1522-2707243                    | 1            | Nut                      |
|          | 30           | 1522-2707242                    | 1            | Washer                   |
|          | 31           | 1522-2707079-A                  | 1            | Pin assembly             |
|          | 32           | 921-2707055                     | 1            | Fork                     |
|          | 33           | A61.07.001-A                    | 1            | Cotter pin               |
|          | 34           | 1321-2707051-Б                  | 1            | Bracket                  |
|          | 35           | 20 ОТ OCT 37.001.115-75         | 8            | Washer                   |
|          | 36           | 680-2707024                     | 8            | Bolt                     |
|          | 37           | 1321-2707070-Б                  | 1            | Plate                    |
|          | 38           | 1322-2707261                    | 1            | Side piece               |
|          | 39           | 900-2707135                     | 2 (not more) | Plate                    |
|          | 40           | 900-2707135-01                  | 2 (not more) | Plate                    |
|          | 41           | 900-2707135-02                  | 2 (not more) | Plate                    |
|          | 42           | 1322-2707261-01                 | 1            | Side piece               |
|          | 43           | 1322-2707262-01                 | 1            | Bracket                  |
|          | 44           | M6-6gx16.88.35.019 ГОСТ 7798-70 | 4            | Bolt                     |
| 45       | 1322-2707262 | 1                               | Bracket      |                          |

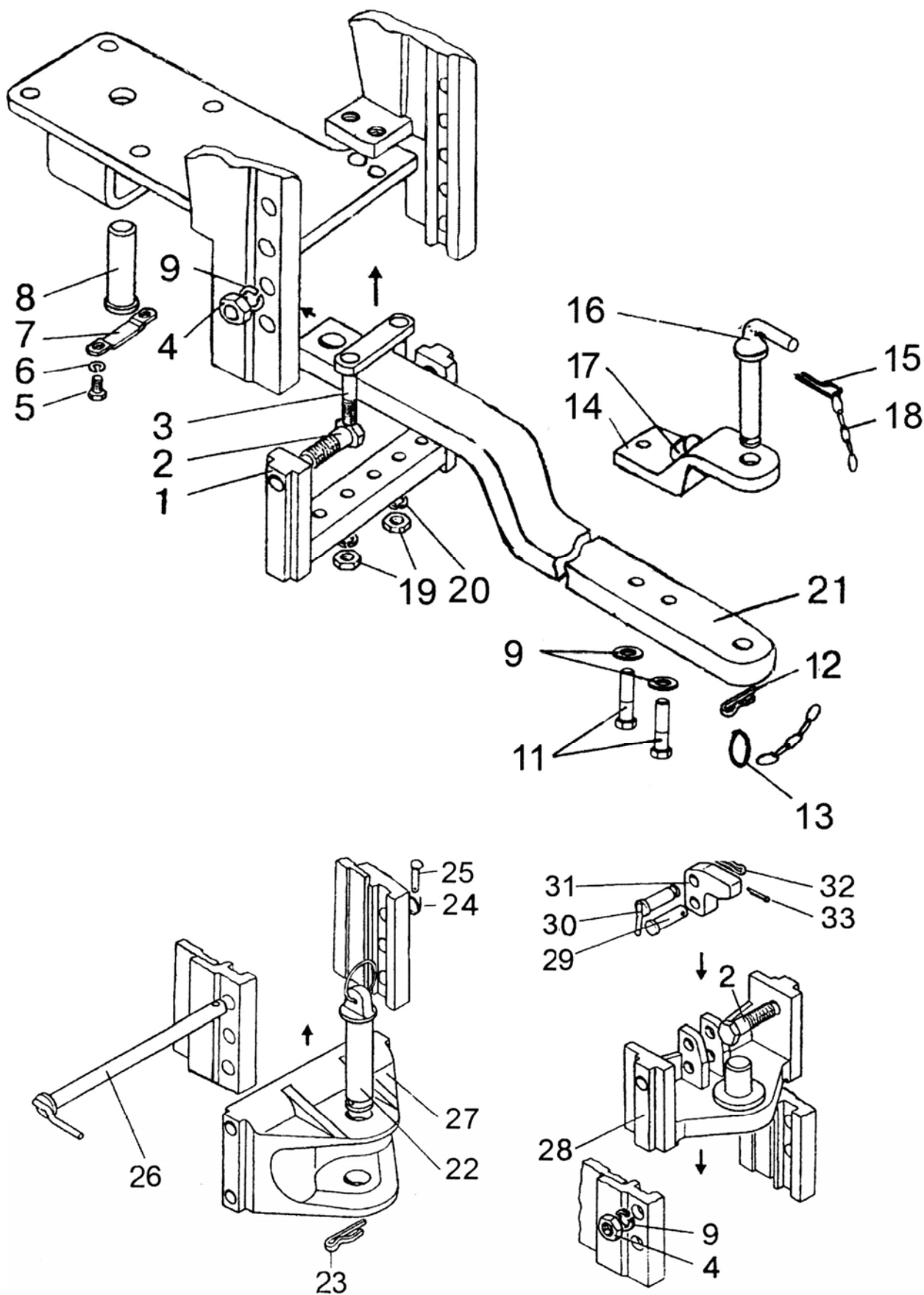


Fig.27.4. Traction hitch mechanism (equipment versions)

**Group 27. Hitch  
Subgroup 2707. Traction hitch mechanism (equipment versions)**

| Fig. No. | Pos. No.             | Designation                         | Q-ty       | Description                                  |
|----------|----------------------|-------------------------------------|------------|--|
| 27.4     |                      | 1321-2707150-B                      | 1          | Rod (9-18,21)                                |
|          |                      | 1322-2707160                        | 1          | Python (28-33)                               |
|          | 1                    | 1322-2707130-B                      | 1          | Cross-bar                                    |
|          | 2                    | 1322-2707133                        | 4          | Bolt   |
|          | 3                    | 1322-2707120-B                      | 1          | Cramp  |
|          | 4                    | M20-6H.6.019 ГОСТ 5915-70           | 4          | Nut  |
|          | 5                    | M10-6gx20.88.35.019 ГОСТ 7796-70    | 2          | Bolt   |
|          | 6                    | 10 OT OCT 37.001.115-75             | 2          | Washer                                       |
|          | 7                    | 1522-2707126                        | 1          | Plate  |
|          | 8                    | 1522-2707127                        | 1          | Axle   |
|          | 9                    | 20 OT OCT 37.001.115-75             | 6          | Washer                                       |
|          | 11                   | 1523-2707149-B                      | 2          | Bolt   |
|          | 12                   | A61.07.001-A                        | 1          | Cotter pin                                   |
|          | 13                   | H50-4202146                         | 1          | Ring   |
|          | 14                   | 1523-2707143                        | 1          | Liner  |
|          | 15                   | 3,2x25.019 ГОСТ 397-79              | 1          | Cotter pin                                   |
|          | 16                   | 1522-2707079-A                      | 1          | Pin assembly                                 |
|          | 17                   | 1523-2707142                        | 1          | Cramp  |
|          | 18                   | 70-4235035                          | 2          | Chain  |
|          | 19                   | M16-6H.6.019 ГОСТ 5915-70           | 2          | Nut  |
|          | 20                   | 16 OT OCT 37.001.115-75             | 2          | Washer                                       |
|          | 21                   | 1321-2707144-B                      | 1          | Rod  |
|          | 22                   | 1321-2707140-B                      | 1          | Pin assembly                                 |
|          | 23                   | 1321-2707042                        | 1          | Cotter pin                                   |
|          | 24                   | A61.05.004                          | 1          | Ring   |
|          | 25                   | A61.05.005                          | 1          | Locking pin                                  |
|          | 26                   | 1522-2707030                        | 1          | Pin  |
|          | 27                   | 1321-2707113-A or<br>1321-2707111-A | 1<br>1     | Fork (EURO) L=110 mm<br>Fork (ГОСТ) L=160 mm |
|          | 28                   | 1322-2707165                        | 1          | Plate with python                            |
|          | 29                   | 1322-2707162-01                     | 1          | Pin  |
|          | 30                   | 1322-2707180                        | 1          | Pin  |
|          | 31                   | 1322-2707161                        | 1          | Stop   |
|          | 32                   | A61. 07.001                         | 1          | Cotter pin                                   |
| 33       | 4x36.019 ГОСТ 397-79 | 1                                   | Cotter pin |  |

L – distance from the PTO end to the pin assembly axis.

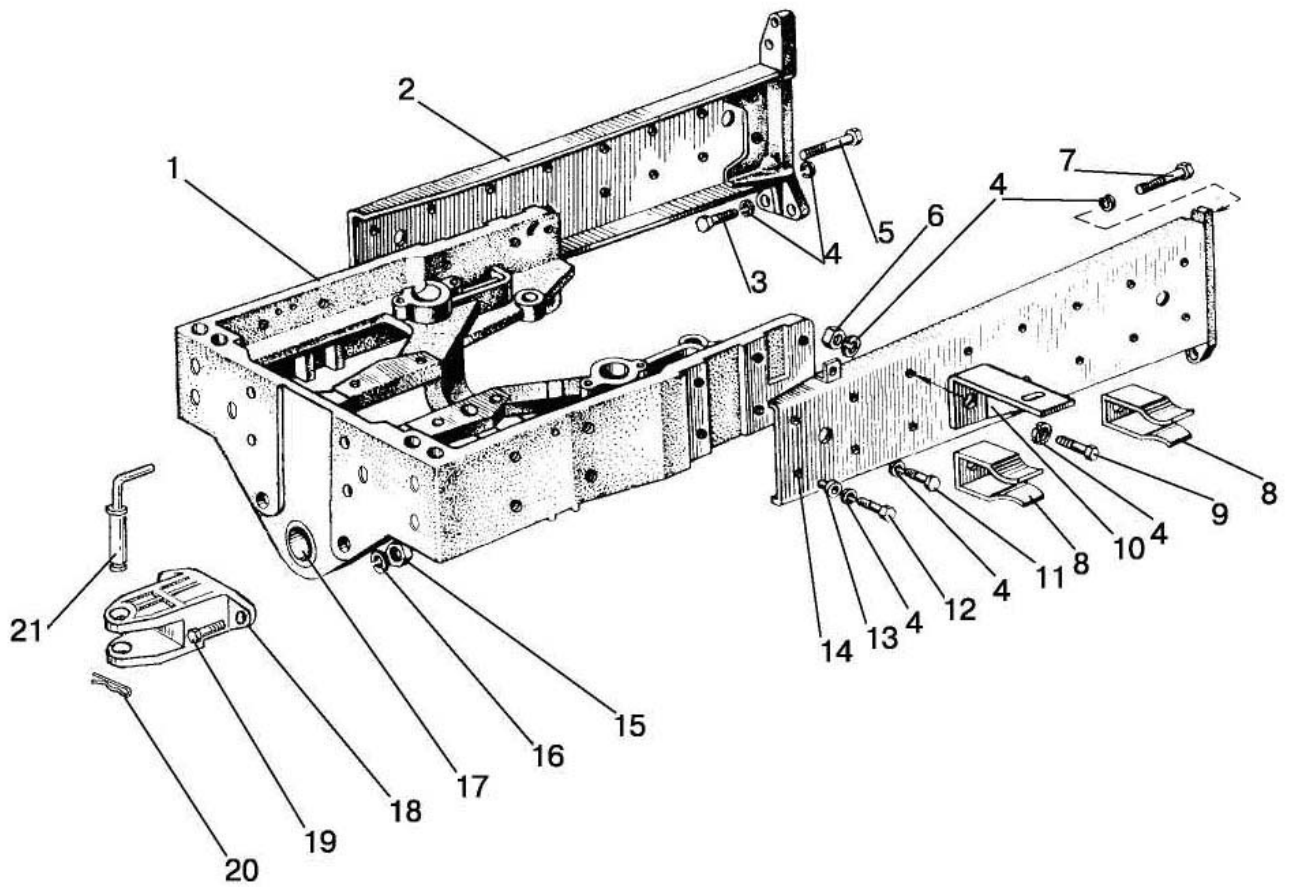


Fig. 28.1. Semiframe



**Group 28. Frame  
Subgroup 2801. Semiframe**

| Fig. No. | Pos. No.       | Designation                       | Q-ty         | Description                            |
|----------|----------------|-----------------------------------|--------------|--|
| 28.1     |                | 80-2800010-02<br>1025-2800010-01* | 1            | Semiframe (1, 2, 11-14, 17)            |
|          |                | 70-2801120-A1-01<br>1025-2801120* | 1            | Front bar (1,17)                       |
|          |                | 80-2806010-01**                   | 1            | Front towing arrangement (15,16,18,19) |
|          | 1              | 50-2801124-A2-01<br>1025-2801124* | 1            | Front bar                              |
|          | 2              | 80-2801050<br>80-2801050-01*      | 1            | Right-side member                      |
|          | 3              | M16x6gx60.88.35.019 ГОСТ 7796-70  | 6            | Bolt                                   |
|          | 4              | 16 OT OCT 37.001.115-75           | 25           | Washer                                 |
|          | 5              | 70-2800016-01                     | 2            | Bolt                                   |
|          | 6              | M16-6H.6.019 ГОСТ 5915-70         | 1            | Nut                                    |
|          | 7              | 70-2800016<br>70-2800016-01*      | 2            | Bolt                                   |
|          | 8              | 50-3913214                        | 2            | Clamp                                  |
|          | 9              | M16-6gx32.88.35.019 ГОСТ 7796-70  | 2            | Bolt                                   |
|          | 10             | 80-3919106                        | 2            | Bracket                                |
|          | 11             | M16-6gx32.88.35.019 ГОСТ 7796-70  | 8            | Bolt                                   |
|          | 12             | M16-6gx45.88.35.019 ГОСТ 7796-70  | 4            | Bolt                                   |
|          | 13             | 50-2800011                        | 4            | Bush                                   |
|          | 14             | 80-2801060<br>80-2801060-01*      | 1            | Left side member                       |
|          | 15             | M20-6H.6.019 ГОСТ 5915-70**       | 2            | Nut                                    |
|          | 16             | 20 OT OCT 37.001.115-75**         | 2            | Washer                                 |
|          | 17             | 40-3001022                        | 2            | Bush                                   |
|          | 18             | 80-2806011**                      | 1            | Front towing arrangement               |
| 19       | 70-4605036**   | 2                                 | Bolt         |  |
| 20       | A61.07.001**   | 2                                 | Cotter pin   |  |
| 21       | 50-4605079-Б** | 1                                 | Pin assembly |  |

\* 900.3/920.3/950.3/952.3 (Euro-2)

\*\* to be mounted in the absence of the front ballast

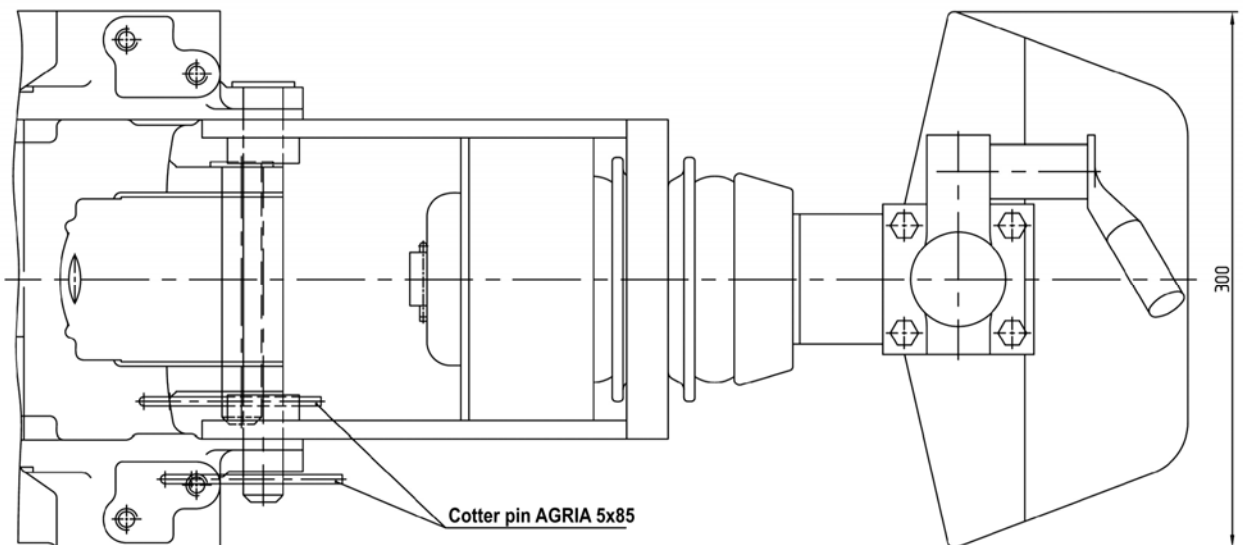
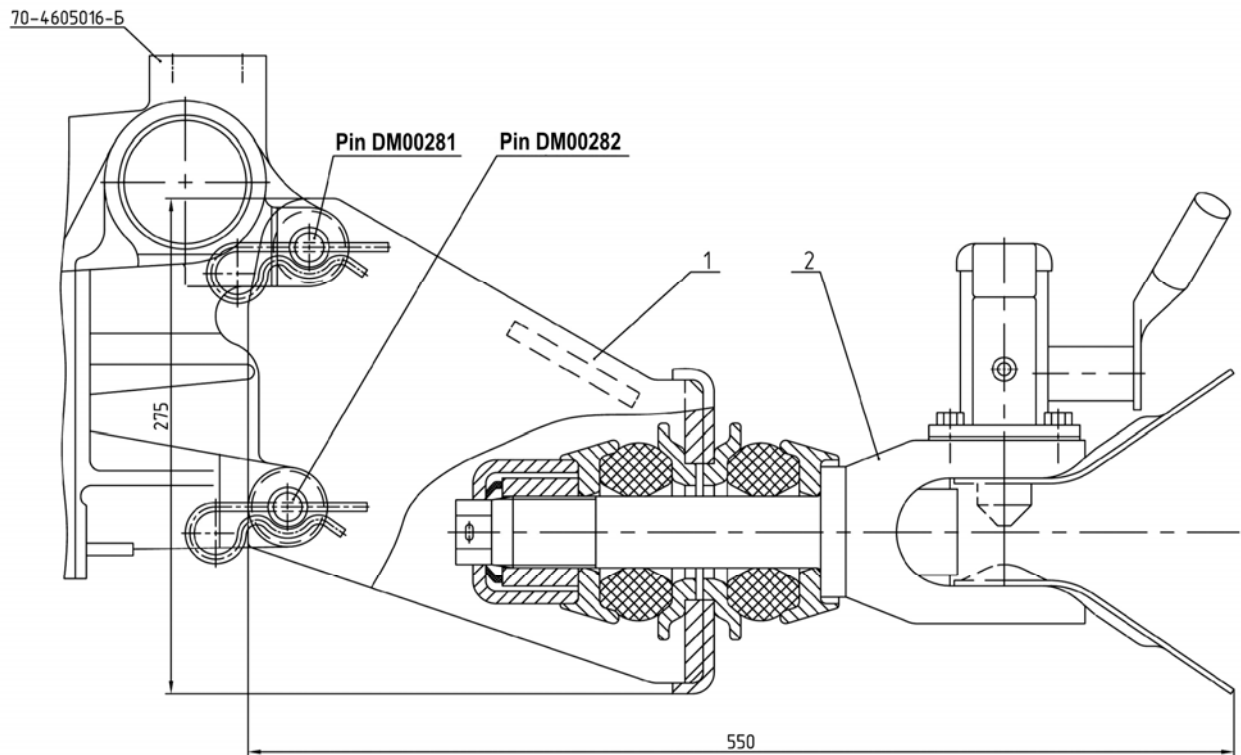


Fig.28.2. Towing arrangement

**Group 28. Frame**  
**Subgroup 2805. Towing arrangement**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b>        |
|-----------------|-----------------|--|-------------|---------------------------|
| 28.2            | 1               |  | 1           | Bracket 550 0364-2        |
|                 | 2               |  | 1           | Towing arrangement ACV-40 |

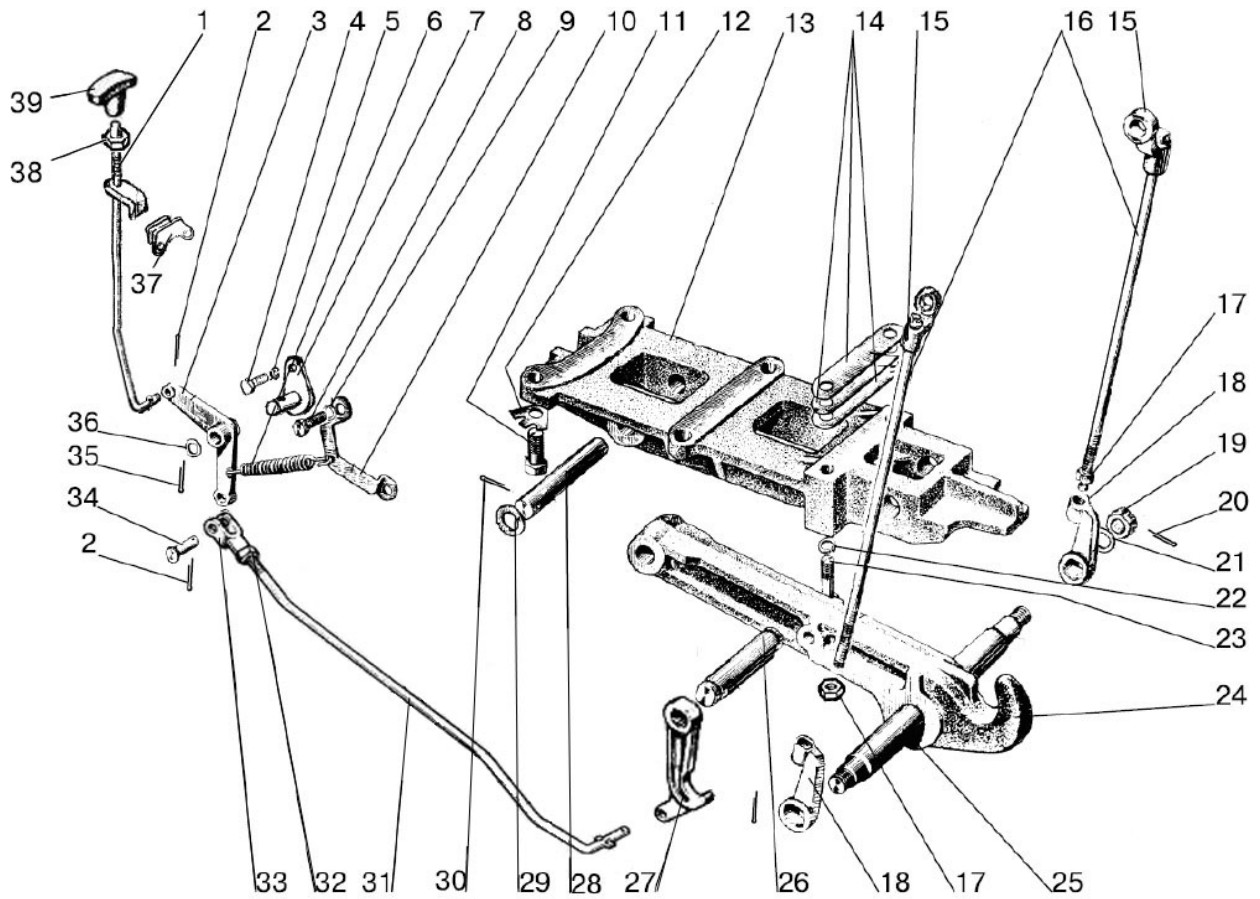


Fig.28.3. Hydroficated drawbar

**Group 28. Frame  
Subgroup 2807. Hydroficated drawbar**

| Fig. No. | Pos. No.                  | Designation                      | Q-ty       | Description       |
|----------|---------------------------|----------------------------------|------------|-------------------|
| 28.3     |                           | 80-2807010                       | 1          | Drawbar (1-39)    |
|          |                           | 80-2807040                       | 1          | Rod (31-33)       |
|          |                           | 80-2807070                       | 1          | Hook (24, 25)     |
|          | 1                         | 80-2807180-Б                     | 1          | Handle with catch |
|          | 2                         | 3,2x18.019 ГОСТ 397-79           | 3          | Cotter pin        |
|          | 3                         | 70-2807079                       | 1          | Lever             |
|          | 4                         | M10-6gx20.88.35.019 ГОСТ 7796-70 | 1          | Bolt              |
|          | 5                         | 10 OT OCT 37.001.115-75          | 1          | Washer            |
|          | 6                         | 50-1605152                       | 1          | Spring            |
|          | 7                         | 70-1602120-Б                     | 1          | Axle flange       |
|          | 8                         | M16-6gx50.88.35.019 ГОСТ 7796-70 | 2          | Bolt              |
|          | 9                         | 16 OT OCT 37.001.115-75          | 2          | Washer            |
|          | 10                        | 70-2807081                       | 1          | Bracket           |
|          | 11                        | 40-3104021                       | 4          | Bolt              |
|          | 12                        | 70-2807044                       | 4          | Washer            |
|          | 13                        | 80-2807014                       | 1          | Bracket           |
|          | 14                        | 70-2807039                       | 2          | Plate 1.0 mm      |
|          |                           | 70-2807039-01                    | 1          | Plate 0.5 mm      |
|          |                           | 70-2807039-02                    | 2          | Plate 0.2 mm      |
|          | 15                        | 70-2807051                       | 2          | Shackle           |
|          | 16                        | 70-2807052-Б-01                  | 2          | Bar screw         |
|          | 17                        | 40-3405062                       | 2          | Nut               |
|          | 18                        | 70-2807053-Б                     | 2          | Bar nut           |
|          | 19                        | M20x1,5-6H.04.019 ГОСТ 5919-73   | 2          | Nut               |
|          | 20                        | 4x36.019 ГОСТ 397-79             | 2          | Cotter pin        |
|          | 21                        | C 20.01.019 ГОСТ 11371-78        | 2          | Washer            |
|          | 22                        | 18 OT OCT 37.001.115-75          | 2          | Washer            |
|          | 23                        | 80-2807026                       | 2          | Bolt              |
|          | 24                        | 80-2807011                       | 1          | Hook              |
|          | 25                        | 50-2807016                       | 1          | Hook axle         |
|          | 26                        | 70-2807047                       | 1          | Axle              |
|          | 27                        | 80-2807077                       | 2          | Gripping device   |
|          | 28                        | 50-2807013-Б                     | 1          | Axle              |
|          | 29                        | 36-3503018                       | 2          | Washer            |
|          | 30                        | 6,3x36.019 ГОСТ 397-79           | 2          | Cotter pin        |
|          | 31                        | 80-2807043-Б                     | 1          | Rod               |
|          | 32                        | M12x1,25-6H.04.019 ГОСТ 5916-70  | 2          | Nut               |
|          | 33                        | 50-3502203                       | 1          | Fork              |
|          | 34                        | 12x32 OCT 37.001.163-75          | 1          | Pin               |
| 35       | 3,2x25.019 ГОСТ 397-79    | 1                                | Cotter pin |                   |
| 36       | C 16.01.019 ГОСТ 11371-78 | 1                                | Washer     |                   |
| 37       | 85-2807092                | 1                                | Bracket    |                   |
| 38       | M8-6H.6.019 ГОСТ 5915-70  | 1                                | Nut        |                   |
| 39       | 50-1310136-A              | 1                                | Handle     |                   |

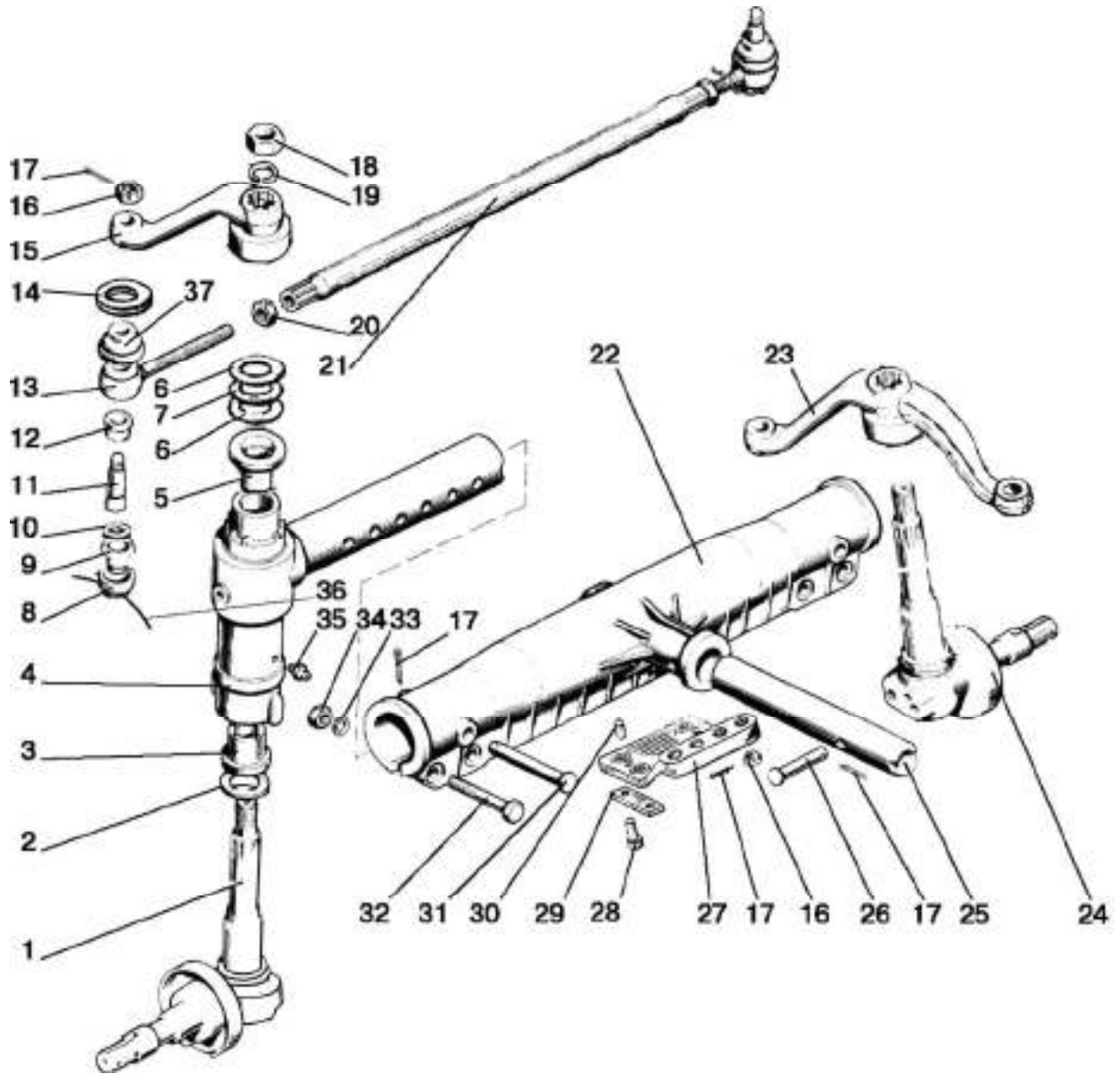


Fig. 30.1. Front axle and steering link

**Group 30. Front axle  
Subgroup 3000. Front axle and steering link**

| Fig. No. | Pos. No.                      | Designation                           | Q-ty          | Description                                    |
|----------|-------------------------------|---------------------------------------|---------------|--|
| 30.1     |                               | 80-3000030-03                         | 1             | Front axle (1-7, 15, 18, 19, 22-35)            |
|          |                               | 1220-3003010                          | 1             | Steering link (8-14, 16, 17, 20, 21)           |
|          | 1                             | 80-3001065-01                         | 1             | Right journal with semiring                    |
|          | 2                             | 070-080-58-1-4 ГОСТ 18829-73/9833-73  | 2             | Ring   |
|          | 3                             | 70-3001101-A                          | 2             | Bush   |
|          | 4                             | 80-3001070                            | 2             | Extensible knuckle                             |
|          | 5                             | 70-3001102-A                          | 2             | Bush   |
|          | 6                             | 80-3001032                            | 4             | Washer   |
|          | 7                             | 80-3001031                            | 2             | Washer   |
|          | 8                             | 50-3003018-Б                          | 2             | Plug   |
|          | 9                             | 1220-3003028                          | 2             | Lower bushing                                  |
|          | 10                            | 1220-3003027                          | 2             | Bushing  |
|          | 11                            | 1220-3003021                          | 2             | Ball pin                                       |
|          | 12                            | 1220-3003023                          | 2             | Upper bushing                                  |
|          | 13                            | 1220-3003022                          | 1             | Universal joint housing with right-hand thread |
|          |                               | 1220-3003022-01                       | 1             | Universal joint housing with left-hand thread  |
|          | 14                            | 1220-3003029                          | 2             | Ring   |
|          | 15                            | 70-3001040                            | 1             | Lever right                                    |
|          | 16                            | M20x1,5-6H.04.019 ГОСТ 5919-73        | 4             | Nut  |
|          | 17                            | 4x36.019 ГОСТ 397-79                  | 7             | Cotter pin                                     |
|          | 18                            | 50-3001087                            | 2             | Nut  |
|          | 19                            | 27 л OCT 37.001.115-75                | 2             | Washer   |
|          | 20                            | 1220-3003013                          | 1             | Locknut with right-hand thread                 |
|          |                               | 1220-3003013-01                       | 1             | Locknut with left-hand thread                  |
|          | 21                            | 1220-3003011                          | 1             | Pipe   |
|          | 22                            | 50-3001010-A-01                       | 1             | Front axle                                     |
|          | 23                            | 70-3001040-01                         | 1             | Lever left                                     |
|          | 24                            | 80-3001065                            | 1             | left journal with semiring                     |
|          | 25                            | 50-3000011                            | 1             | Pivot pin                                      |
|          | 26                            | 16x80 OCT 37.001.163-75               | 1             | Pin  |
|          | 27                            | Φ80-3001011                           | 1             | Bracket  |
|          | 28                            | M16-6gx40.88.35.019 ГОСТ 7796-70      | 4             | Bolt   |
|          | 29                            | Φ80-3001013                           | 2             | Plate  |
|          | 30                            | Д01-015                               | 2             | Pin  |
|          | 31                            | 6-20h11x120.40X.2.40 ГОСТ 9650-80     | 2             | Axle   |
|          | 32                            | M18x1,5-6gx100.88.35.019 ГОСТ 7795-70 | 4             | Bolt   |
|          | 33                            | 18 OT OCT 37.001.115-75               | 4             | Washer   |
| 34       | M18x1,5-6H.6.019 ГОСТ 5915-70 | 4                                     | Nut           |  |
| 35       | 1.3.Ц9.xp ГОСТ 19853-74       | 2                                     | Greaser       |  |
| 36       | 2,0-O-C ГОСТ 3282-74          | 2                                     | Wire (270 mm) |  |
| 37       | 1220-3003025-A                | 2                                     | Boot          |  |

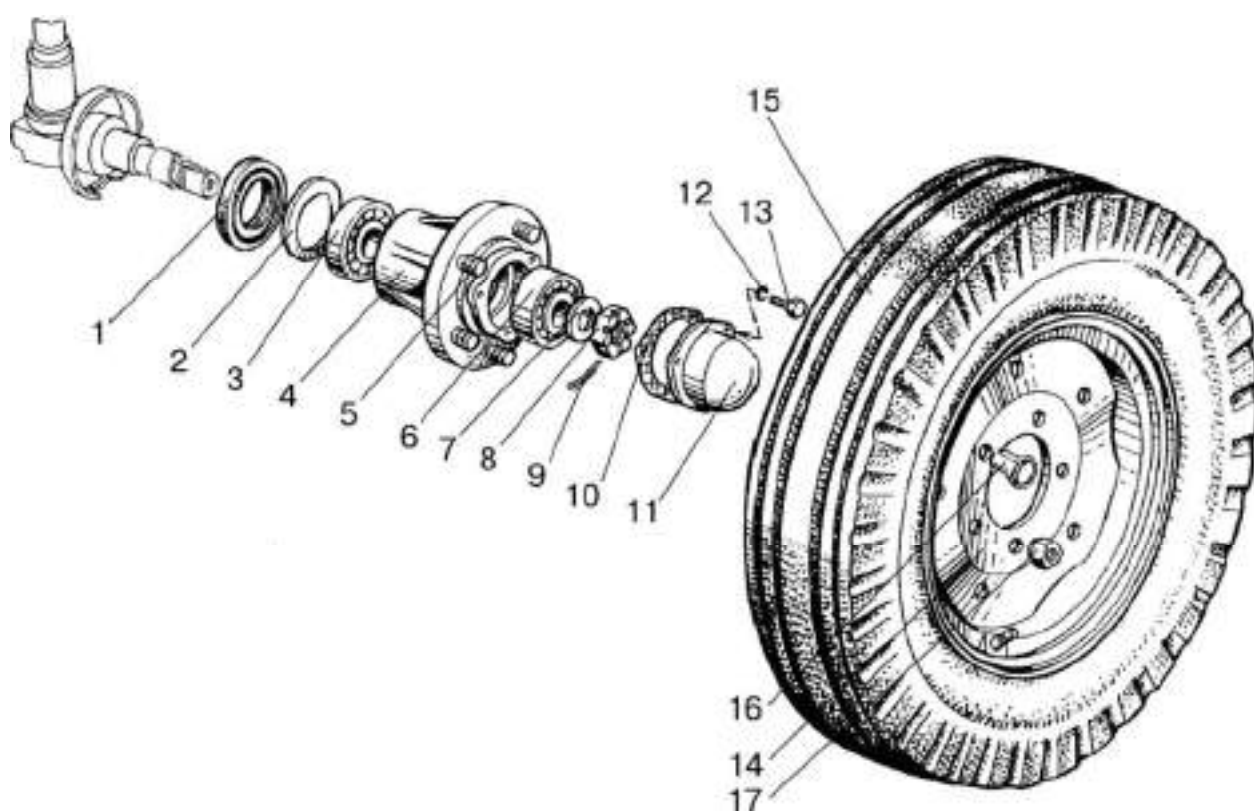


Fig. 31.1. Front guide wheels. Front wheel hubs. (For tractors with front axle)



**Group 31. Wheels and hubs  
Subgroup 3101, 3103. Front guide wheels.  
Front wheel hubs. (For tractors with front axle)**

| <b>Fig. No.</b> | <b>Pos. No.</b>                      | <b>Designation</b>                          | <b>Q-ty</b>  | <b>Description</b>                        |
|-----------------|--------------------------------------|---|--|---|
| 31.1            |                                      | 70-3103010-A                                | 2  | Front wheel hub (1-6)                     |
|                 | 1                                    | 2.2-80x105-1<br>ГОСТ 8752-79/OCT 3805146-78 | 2  | Cuff                                      |
|                 | 2                                    | A04.03.020                                  | 2  | Washer                                    |
|                 | 3                                    | 7609A ГОСТ 27365-87                         | 2  | Bearing                                   |
|                 | 4                                    | A04.03.21                                   | 2  | Hub                                       |
|                 | 5                                    | 40-3103016                                  | 10   | Bolt                                      |
|                 | 6                                    | 7608A1 ГОСТ 27365-87                        | 2  | Bearing                                   |
|                 | 7                                    | A04.03.019                                  | 2  | Washer                                    |
|                 | 8                                    | 50-1701253-01                               | 2  | Nut                                       |
|                 | 9                                    | 5x45.019 ГОСТ 397-79                        | 2  | Cotter pin                                |
|                 | 10                                   | A04.03.014                                  | 2  | Gasket                                    |
|                 | 11                                   | A04.03.013-A                                | 2  | Cover                                     |
|                 | 12                                   | 8T OCT 37.001.115-75                        | 6  | Washer                                    |
|                 | 13                                   | M8-6gx16.88.35.019 ГОСТ 7796-70             | 6  | Bolt                                      |
|                 | 16                                   | 70-3104019-01                               | 2  | Special (auxiliary) nut                   |
|                 | 17                                   | 40-3103017-01                               | 8  | Nut                                       |
|                 |                                      | 50-3100110                                  | 2  | Wheel 7.50-20 (fitted with tyre) (14, 15) |
|                 | 14                                   | 5.50F-20-3101020 or<br>40-3101010-A3        | 2  | Wheel 5.50Fx20 (disk and rim)             |
|                 | 15                                   |   | 2  | Tyre 7.50-20                              |
|                 |                                      | 70-3100210-02                               | 2  | Wheel 9.00-20 (fitted with tyre) (14, 15) |
| 14              | 5.50F-20-3101020 or<br>40-3101010-A3 | 2   | Wheel 5.50Fx20 (disk and rim)  |   |
| 15              |                                      | 2   | Tyre 9.00R20 model Бел-31 or<br>9.00-20 model ВФ-223 or<br>9.00R20 model Бел-311 |   |



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Fig.31.2. Front driving wheels

**Group 3101. Wheels and hubs  
Subgroup 3101. Front driving wheels**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b> | <b>Q-ty</b> | <b>Description</b>   |
|-----------------|-----------------|--------------------|-------------|--|
| 31.2            |                 | 82-3101015-01      | 2           | Wheel 11.2-20 (fitted with tyre) (1,2)                       |
|                 | 1               | CW9-20-3101020-A   | 2           | Wheel W9x20 (rim, wheel disk with 8 holes, protective visor) |
|                 | 2               |                    | 2           | Tyre 11.2-20   |
|                 |                 | 82-3101015-02      | 2           | Wheel 11.2-20 (fitted with tyre) (1,2)                       |
|                 | 1               | W9-20-3101020-A-01 | 2           | Wheel W9x20 (rim, wheel disk with 5 holes, protective visor) |
|                 | 2               |                    | 2           | Tyre 11.2-20   |
|                 |                 | 86-3101020         | 2           | Wheel 13.6-20 (fitted with tyre) (1,2)                       |
|                 | 1               | CW12-20-3101015-A  | 2           | Wheel W12x20 (rim, disk, protective visor)                   |
|                 | 2               |                    | 2           | Tyre 13.6-20 or<br>13.6R20 or<br>360/70R20                   |
|                 | 3               | 40-3103017-01      | 16          | Nut  |

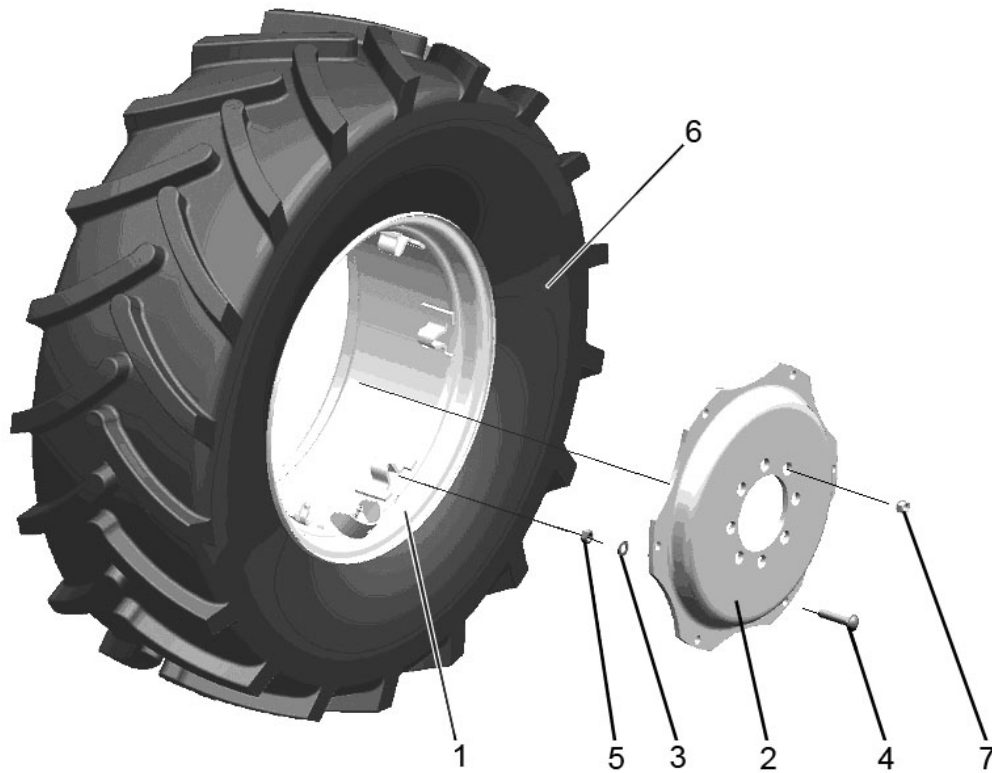


Fig.31.3. Front driving wheels

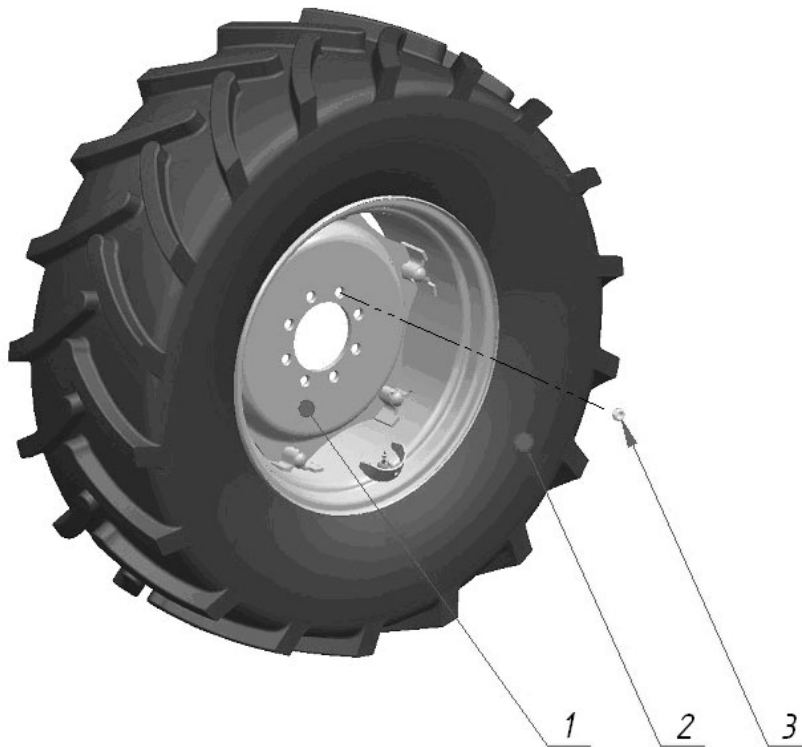


Fig.31.4. Front driving wheels

**Group 3101. Wheels and hubs  
Subgroup 3101. Front driving wheels**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                                | <b>Q-ty</b> | <b>Description</b>                       |
|-----------------|-----------------|---|-------------|--|
| 31.3            |                 | 822-3101010                                       | 2           | Wheel 360/70R24 (fitted with tyre) (1-6) |
|                 |                 | W12-24-3101020-01 or<br>880.3101012-01            | 2           | Wheel W12x24 (1,2,3,4,5)                 |
|                 | 1               | W12-24-3101035                                    | 2           | Rim W12x24 with brackets                 |
|                 | 2               | W12-24-3101017                                    | 2           | Disk                                     |
|                 | 3               | 52-2301065  | 12          | Washer                                   |
|                 | 4               | 1221-3101011                                      | 12          | Bolt                                     |
|                 | 5               | 1221-3101013 or<br>M16x1,5-6H.10.019 ГОСТ 5915-70 | 12          | Nut                                      |
|                 | 6               |   | 2           | Tyre 360/70R24                           |
| 7               | 40-3103017-01   | 16  | Nut         |  |

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b> | <b>Q-ty</b> | <b>Description</b>                      |
|-----------------|-----------------|--------------------|-------------|---|
| 31.4            |                 | 822-3101015        | 2           | Wheel 11.2R24* (fitted with tyre) (1,2) |
|                 | 1               | 8133.3101012       | 2           | Wheel W10x24                            |
|                 | 2               |                    | 2           | Tyre 11.2R24                            |
|                 | 3               | 40-3103017-01      | 16          | Nut                                     |

\* additional equipment

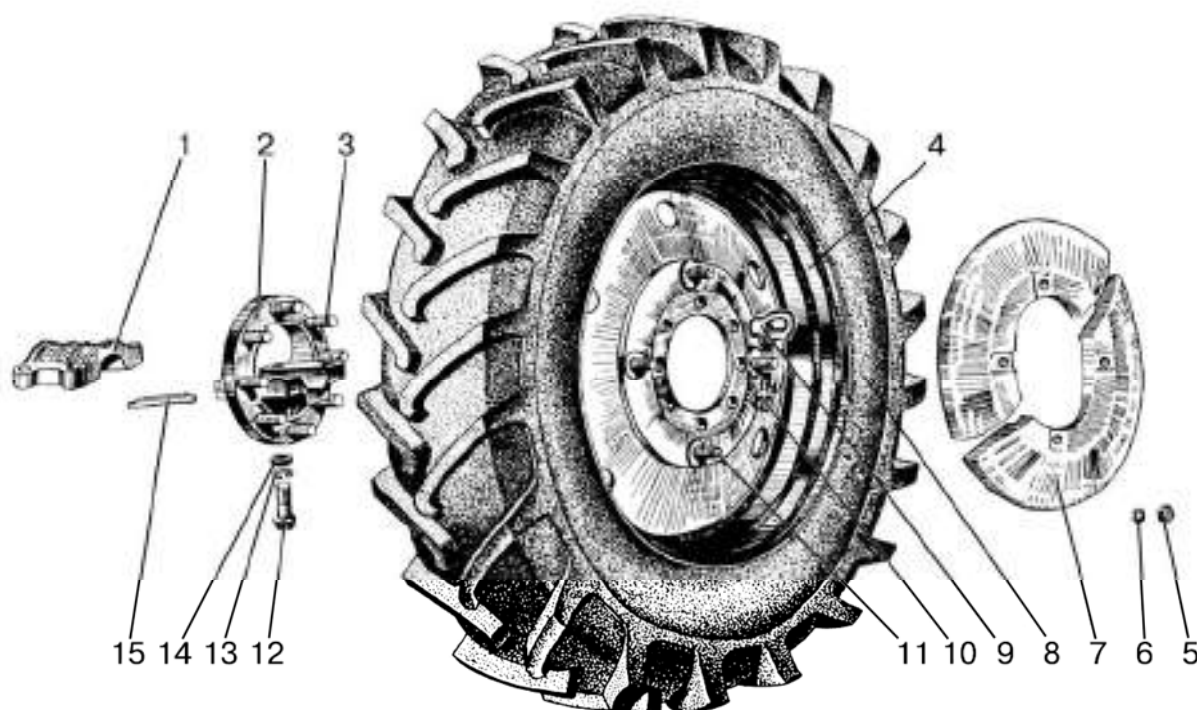


Fig. 31.5. Rear driving wheels. Rear wheel hubs

**Group 31. Wheels and hubs  
Subgroup 3104, 3107. Rear wheels. Rear wheel hubs**

| Fig. No. | Pos. No.               | Number of the assembly unit or part | Q-ty             | Description                                  |
|----------|------------------------|-------------------------------------|------------------|--|
| 31.5     |                        | 70-3100220-A                        | 2                | Wheel 15.5R38 (fitted with tyre) (4, 8)      |
|          | 4                      | C70-3107012                         | 2                | Wheel DW14Lx38 (disk, rim, protective visor) |
|          | 8                      |                                     | 2                | Tyre 15.5R38                                 |
|          |                        | 72-3107010*                         | 2                | Wheel 16.9R38 (fitted with tyre) (4, 8)      |
|          | 4                      | DW15Lx38-3107020 or 8746.3107012П3  | 2                | Wheel DW15Lx38 (disk, rim, protective visor) |
|          | 8                      |                                     | 2                | Tyre 16.9R38                                 |
|          |                        | 72-3107010-05*                      | 2                | Wheel 16.9R38 (fitted with tyre) (4, 8)      |
|          | 4                      | C70-3107012                         | 2                | Wheel DW14Lx38 (disk, rim, protective visor) |
|          | 8                      |                                     | 2                | Tyre 16.9R38                                 |
|          |                        | 80-3107010                          | 2                | Wheel 18.4R34 (fitted with tyre) (4, 8)      |
|          | 4                      | C885.3107012                        | 2                | Wheel DW16x34 (disk, rim, protective visor)  |
|          | 8                      |                                     | 2                | Tyre 18.4R34 (model Φ-11)                    |
|          |                        | 50-3100030                          | 2                | Wheel 9.5-42 (fitted with tyre) (4, 8)       |
|          | 4                      | 50-3107050                          | 2                | Wheel DW8x42 (disk and rim)                  |
|          | 8                      |                                     | 2                | Tyre 9.5-42                                  |
|          |                        | 85-3107020                          | 2                | Wheel (fitted with tyre) (4, 8)              |
|          | 4                      | 50-3107050                          | 2                | Wheel DW8x42 (disk and rim)                  |
|          | 8                      |                                     | 2                | Tyre 11.2R42                                 |
|          |                        | 50-3100160                          | 2                | Wheel (fitted with tyre) (4, 8)              |
|          | 4                      | C50-3107020                         | 2                | Wheel DW14x30 (disk, rim, protective visor)  |
|          | 8                      |                                     | 2                | Tyre 18.4R30 or 18.4/78-30                   |
|          |                        | 50-3104010-A1                       | 2                | Rear wheel hub (1-3, 9, 10, 12-14)           |
|          | 1                      | 70-3104025                          | 2                | Bushing                                      |
|          | 2                      | 50-3104015                          | 2                | Hub  |
|          | 3                      | 40-3104021                          | 16               | Bolt   |
|          | 5                      | M16-6H.6.019 ГОСТ 5915-70           | 8                | Nut  |
|          | 6                      | 16 OT OCT 37.001.115-75             | 8                | Washer                                       |
|          | 7                      | 50-3107018-A                        | 4                | Weight (optional)                            |
|          | 9                      | 70-3104019                          | 2                | Special (auxiliary) nut                      |
|          | 10                     | 36-3104019                          | 14               | Nut  |
| 11       | 7-34-108               | 8                                   | Bolt             |  |
| 12       | 50-3104028             | 8                                   | Bolt             |  |
| 13       | 27 Л OCT 37.001.115-75 | 8                                   | Washer           |  |
| 14       | 50-3104029             | 8                                   | Spherical washer |  |
| 15       | 50-3104016             | 2                                   | Key              |  |

\* with ballast weight

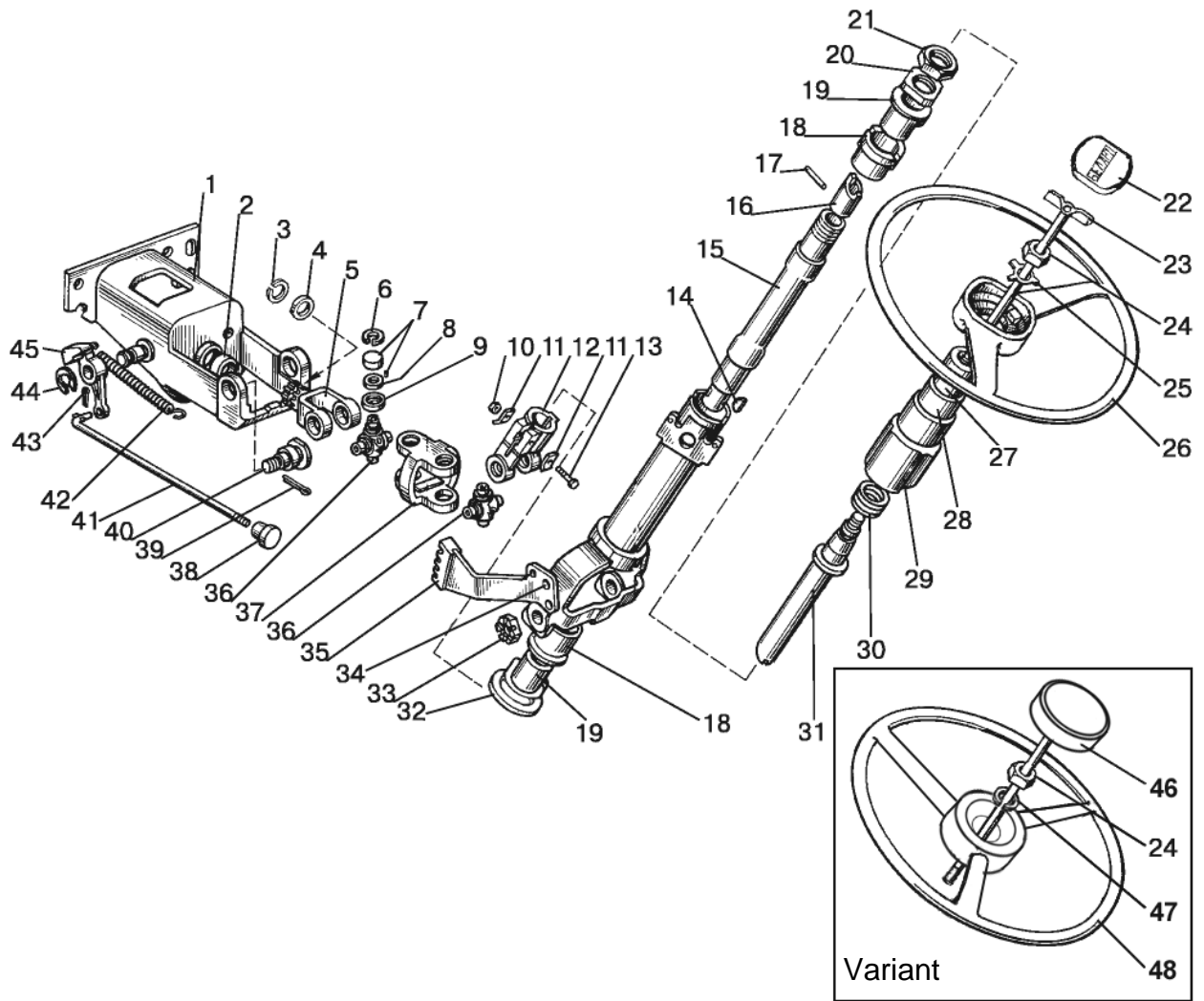


Fig. 34.1. Steering column



**Group 34. Steering  
Subgroup 3401. Steering column**

| Fig. No. | Pos. No.                | Designation                      | Q-ty           | Description  |
|----------|-------------------------|----------------------------------|----------------|--|
| 34.1     |                         | 85-3401010                       | 1              | Steering column<br>(1-21, 32-37, 39, 40, 42, 44, 45) |
|          |                         | 70-3401050-Б                     | 1              | Shaft (15-17)  |
|          |                         | 85-3401150                       | 1              | Cardan joint (5-9, 12, 36, 37)                       |
|          | 1                       | 85-3401120                       | 1              | Bracket  |
|          | 2                       | 85-3401016                       | 1              | Bush   |
|          | 3                       | C20 ГОСТ 13940-86                | 1              | Ring   |
|          | 4                       | 80-3401019                       | 1              | Washer   |
|          | 5                       | 85-3401156-Б                     | 1              | Fork   |
|          | 6                       | C19 ГОСТ 13943-86                | 8              | Ring   |
|          | 7                       | 904700 УС17 ТУ 37.006.065-90     | 8              | Bearing  |
|          | 8                       | 50-3401064                       | 8              | Gland  |
|          | 9                       | 50-3401063                       | 8              | Fixture  |
|          | 10                      | M10-6H.04.019 ГОСТ 5916-70       | 1              | Nut  |
|          | 11                      | 80-3401013                       | 2              | Washer   |
|          | 12                      | 50-3401061-A                     | 1              | Fork   |
|          | 13                      | M10-6gx45.88.35.019 ГОСТ 7795-70 | 1              | Bolt   |
|          | 14                      | СШ-510                           | 1              | Key 5x10   |
|          | 15                      | 70-3401055                       | 1              | Intermediate shaft                                   |
|          | 16                      | 70-3401054-Б                     | 1              | Shank  |
|          | 17                      | ШЦК 8x36                         | 1              | Pin  |
|          | 18                      | 70-3401077-Б                     | 2              | Shock-absorber                                       |
|          | 19                      | 70-3401076                       | 2              | Bush   |
|          | 20                      | 70-3401078                       | 1              | Nut  |
|          | 21                      | 70-3401079                       | 1              | Locknut  |
|          | 22                      | 80-3401082                       | 1              | Cover  |
|          | 23                      | 80-3401140                       | 1              | Clamp  |
|          | 24                      | M16x1,5-6H.6.019 ГОСТ 5915-70    | 1              | Nut  |
|          | 25                      | 50-3401091                       | 1              | Washer   |
|          | 26                      | 80-3402015                       | 1              | Steering wheel                                       |
|          | 27                      | 80-3709025                       | 1              | Bush   |
|          | 28                      | 80-3709026-Б                     | 1              | Bush   |
|          | 29                      | 80-3709024                       | 1              | Boot   |
|          | 30                      | 50-4608057                       | 1              | Spring   |
|          | 31                      | 85-3401175                       | 1              | Shaft  |
|          | 32                      | 600-3401012                      | 1              | Washer   |
|          | 33                      | 70-3003032                       | 2              | Nut  |
|          | 34                      | 8x28.01.019 ГОСТ 10299-80        | 2              | Rivet  |
|          | 35                      | 600-3401160                      | 1              | Sector   |
|          | 36                      | 50-3401062                       | 2              | Cross  |
|          | 37                      | 85-3401067                       | 1              | Fork   |
|          | 38                      | 70-3709012-A                     | 1              | Handle   |
|          | 39                      | 4x25.019 ГОСТ 397-79             | 2              | Cotter pin   |
|          | 40                      | 85-3401011                       | 2              | Screw  |
|          | 41                      | 80-3401001                       | 1              | Rod  |
|          | 42                      | 50-1310158-Б                     | 1              | Spring   |
|          | 43                      | 1,6x12.019 ГОСТ 397-79           | 1              | Cotter pin   |
|          | 44                      | C18 ГОСТ 13940-86                | 1              | Ring   |
|          | 45                      | 85-3401014                       | 1              | Catch  |
| 46       | 822-3401140-A1          | 1                                | Clamp          |  |
| 47       | 16 ОТ OCT 37.001.115-75 | 1                                | Washer         |  |
| 48       | 70-3402015-A            | 1                                | Steering wheel |  |

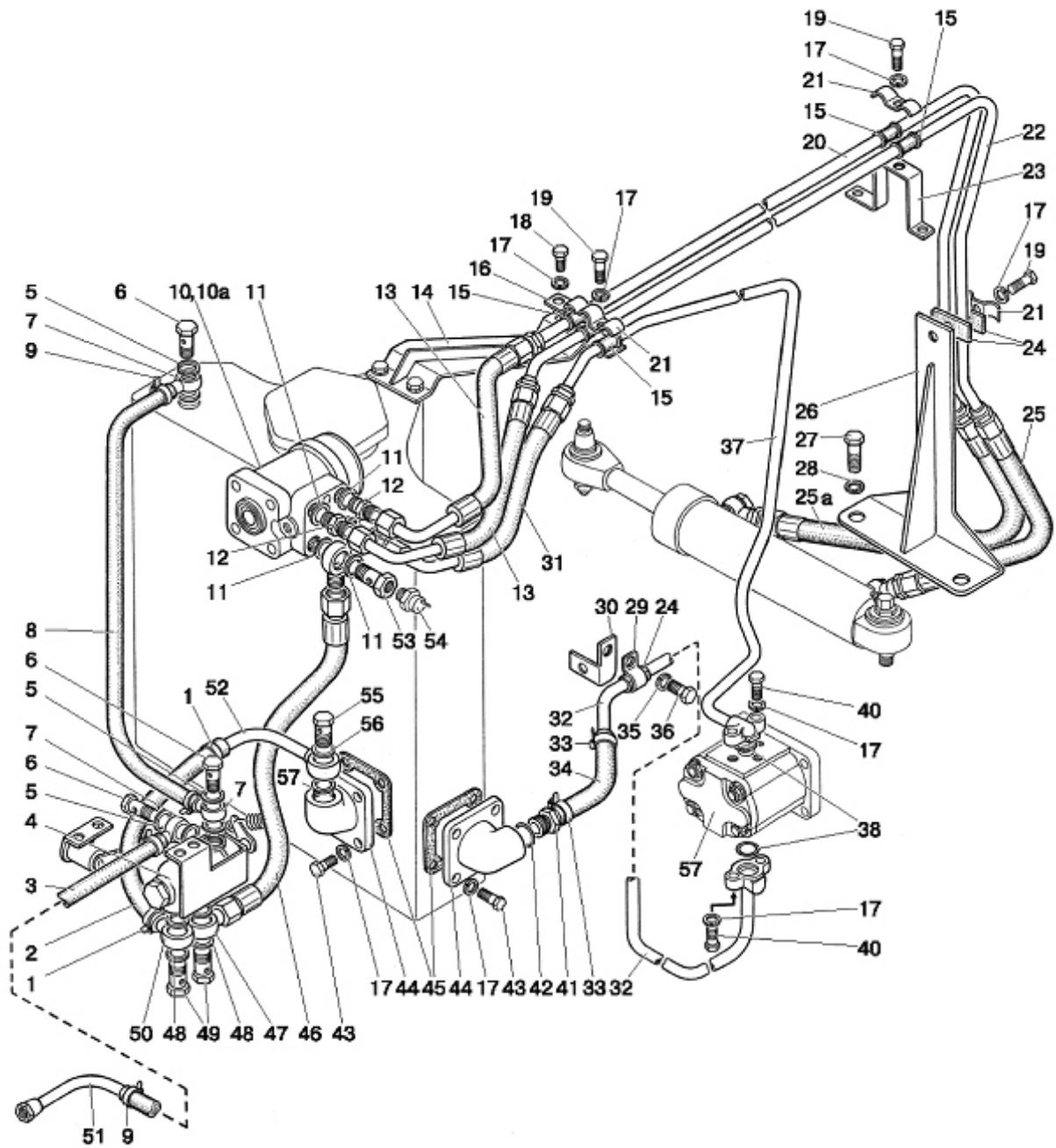


Fig. 34.2. Steering fittings

**Group 34. Steering  
Subgroup 3407. Steering fittings**

| Fig. No. | Pos. No.   | Designation  | Q-ty        | Description   |
|----------|------------|--|-------------|---|
| 34.2     | 1          | "NORMA" TORRO 16-25/9-C6W  | 2           | Clamp   |
|          | 2          | 85-3407332   | 1           | Connecting hose   |
|          | 3          | 1021-4802062   | 1           | Hose pipe   |
|          | 4          | 80-4801200-Б   | 1           | Lock-up cock  |
|          | 5          | Д18-055-A-01   | 6           | Washer  |
|          | 6          | Д18-051  | 3           | Bolt  |
|          | 7          | Φ80-3407720  | 3           | Oil pipeline  |
|          | 8          | 950-480262-01  | 1           | Hose  |
|          | 9          | "NORMA" TORRO 12-20/9-C6W  | 4           | Clamp   |
|          | 10         | OSPC100 ON 150-1155<br>or<br>SUB100-140.200-1 or<br>LAGC100-10/200-140M01-100S or<br>Д100-14.20-02 | 1           | Metering pump<br>(in case of installation of the FDA with<br>bevel gear speed reducers)                     |
|          | 10a        | OSPC 160 ON 150G030 or<br>LAGC160-10/200-140M01-100S or<br>SUB 160.140-200-1 or Д100-14.20-02      | 1           | Metering pump (in case of installation of<br>the FDA with planetary-cylindrical gear<br>speed reducers Ц63) |
|          | 11         | Φ80-3407157  | 5           | Washer  |
|          | 12         | Φ80-3407134  | 3           | Connecting pipe   |
|          | 13         | 680-4607140-05   | 2           | High-pressure hose pipe   |
|          | 14         | 890-3407131  | 1           | Bracket   |
|          | 15         | 70-3506027   | 5           | Bush  |
|          | 16         | 70-6804011   | 1           | Holder  |
|          | 17         | 8T OCT 37.001.115-75   | 16          | Washer  |
|          | 18         | M8-6gx20.88.35.019 ГОСТ 7796-70  | 1           | Bolt  |
|          | 19         | M8-6gx30.88.35.019 ГОСТ 7796-70  | 5           | Bolt  |
|          | 20         | 900-3407030  | 1           | Oil pipeline  |
|          | 21         | 70-3407146   | 3           | Slat  |
|          | 22         | 900-3407040  | 1           | Oil pipeline  |
|          | 23         | 952-3407013  | 1           | Bracket   |
|          | 24         | 70-4607158   | 3           | Gasket  |
|          | 25         | 952-3407100  | 1           | High-pressure hose pipe   |
|          | 25a        | 952-3407100-04   | 1           | High-pressure hose pipe   |
|          | 26         | 102-3407010  | 1           | Bracket   |
|          | 27         | M16-6gx40.88.35.019 ГОСТ 7796-70   | 2           | Bolt  |
|          | 28         | 16 OT OCT 37.001.115-75  | 2           | Washer  |
|          | 29         | 50-4607041   | 1           | Bracket   |
|          | 30         | 85-3407102   | 1           | Bracket   |
|          | 31         | 1522B-3407100-06   | 1           | High-pressure hose pipe   |
|          | 32         | Φ80-3407760  | 1           | Oil pipeline  |
|          | 33         | "NORMA" TORRO 20-32/9-C6W  | 2           | Clamp   |
|          | 34         | 952-3407014  | 1           | Hose  |
|          | 35         | 10 OT OCT 37.001.115-75  | 1           | Washer  |
|          | 36         | M10-6gx25.88.35.019 ГОСТ 7796-70   | 1           | Bolt  |
|          | 37         | Φ80-3407510  | 1           | Oil pipeline  |
|          | 38         | 017-022-30-1-4 ГОСТ 18829-73/9833-73   | 2           | Ring  |
|          | 40         | M8-6gx35.88.35.019 ГОСТ 7796-70  | 2           | Bolt  |
|          | 41         | 952-3407050  | 1           | Connecting pipe   |
|          | 42         | 021-025-25-1-4 ГОСТ 18829-73/9833-73   | 1           | Ring  |
|          | 43         | M8-6gx25.88.35.019 ГОСТ 7796-70  | 8           | Bolt  |
| 44       | 85-3407101 | 2  | Branch pipe |   |

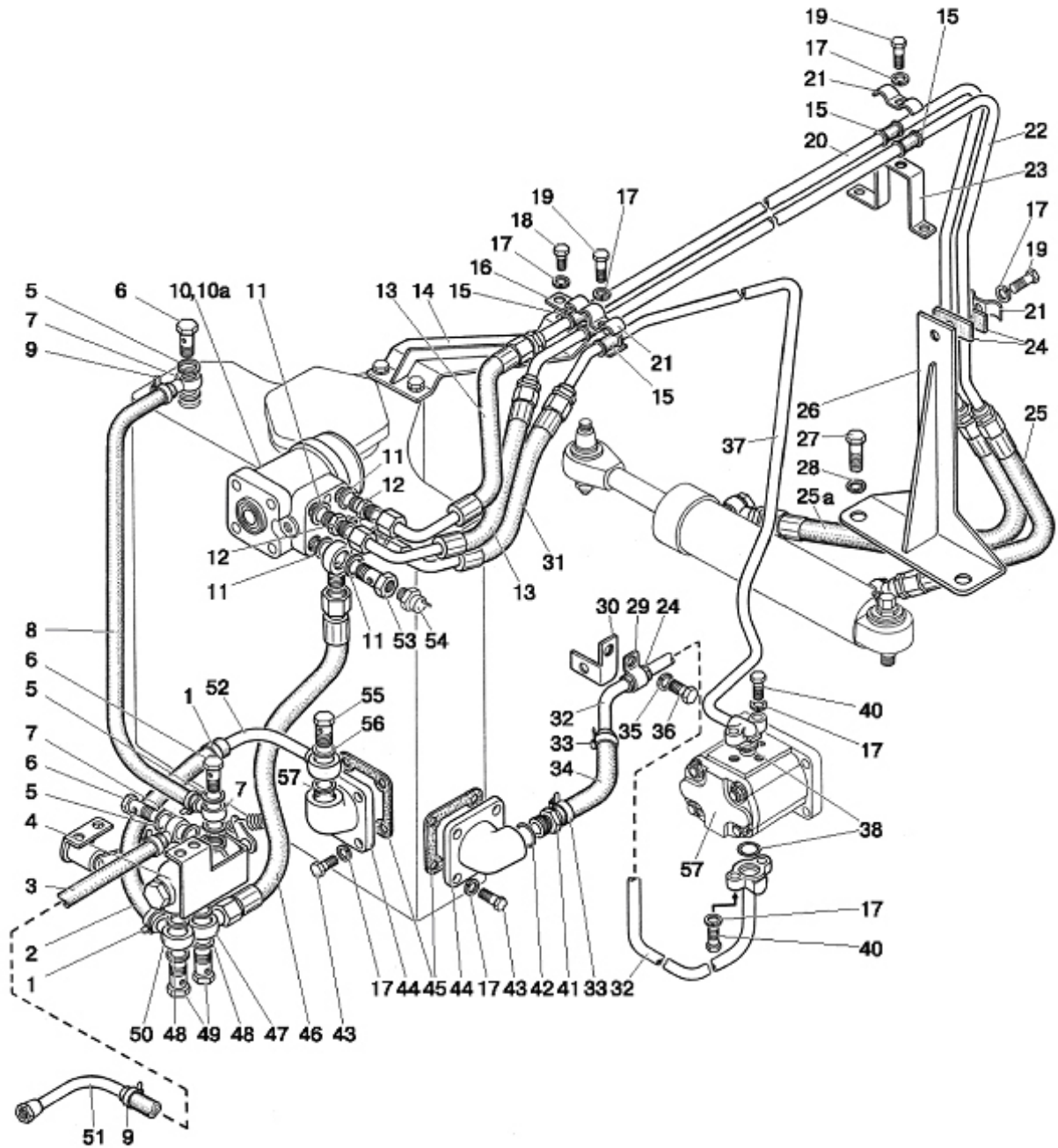


Fig. 34.2. Steering fittings

**Group 34. Steering  
Subgroup 3407. Steering fittings**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>      | <b>Q-ty</b> | <b>Description</b>      |
|-----------------|-----------------|-------------------------|-------------|-------------------------|
| 34.2            | 45              | 70-4608033              | 2           | Gasket                  |
|                 | 46              | H036.83.140             | 1           | High-pressure hose pipe |
|                 | 47              | 530-4614029             | 2           | Angle piece             |
|                 | 48              | 40-4607038-A-01         | 4           | Washer                  |
|                 | 49              | 40-4607032              | 2           | Bolt                    |
|                 | 50              | 1221-3407090            | 1           | Oil pipeline            |
|                 | 51              | 70-4802040              | 1           | Oil pipeline            |
|                 | 52              | 600-3407080-01          | 1           | Oil pipeline            |
|                 | 53              | 85-3407105-02           | 1           | Bolt                    |
|                 | 54              | ДАДМ-03М                | 1           | Sensor                  |
|                 | 55              | 40-4607037              | 1           | Bolt                    |
|                 | 56              | 40-4607033-A-01         | 2           | Washer                  |
|                 | 57              | НШ10Ж-3Л or<br>НШ10Г-3Л | 1           | Gear pump               |

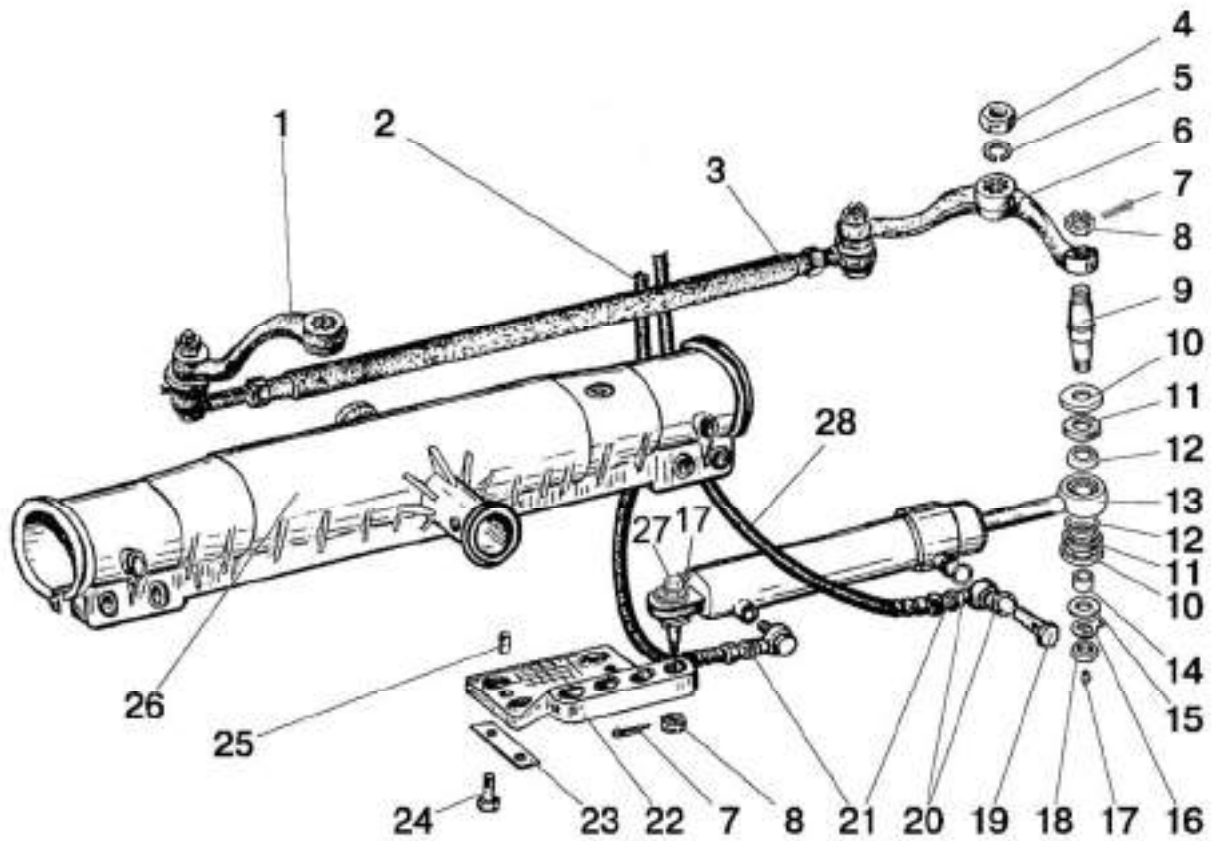


Fig. 34.3. HPS hydraulic cylinder and fittings (version with front axles)

**Group 34. Steering**  
**Subgroup 3405, 3407. HPS hydraulic cylinder and fittings**  
 (version with front axles)

| Fig. No. | Pos. No. | Designation                      | Q-ty | Description                   |
|----------|----------|----------------------------------|------|-------------------------------|
| 34.3     | 1        | 70-3001040                       | 1    | Lever right                   |
|          | 2        | 952-3407100                      | 1    | High-pressure hose pipe       |
|          | 3        | 1220-3003010                     | 1    | Link assembly                 |
|          | 4        | 50-3001087                       | 2    | Nut                           |
|          | 5        | 27 Л OCT 37.001.115-75           | 2    | Washer                        |
|          | 6        | 70-3001040-01                    | 1    | Lever left                    |
|          | 7        | 4x36.019 ГОСТ 397-79             | 2    | Cotter pin                    |
|          | 8        | M20x1,5-6H.6.019 ГОСТ 5915-70    | 2    | Nut                           |
|          | 9        | Φ80-3405101Б                     | 2    | Pin                           |
|          | 10       | Φ80-3405108                      | 4    | Seal cup                      |
|          | 11       | Φ80-3405109                      | 4    | Joint seal                    |
|          | 12       | Φ80-3405107                      | 4    | Spherical bush                |
|          | 13       | Ц50-3405215-A                    | 1    | Hydraulic cylinder Ц50x25-200 |
|          | 14       | Φ80-3405102B                     | 2    | Bush                          |
|          | 15       | C 20.01.019 ГОСТ 11371-78        | 2    | Washer                        |
|          | 16       | Φ80-3405103                      | 2    | Washer                        |
|          | 17       | 1.1.Ц9.xp ГОСТ 19853-74          | 2    | Greaser                       |
|          | 18       | M20-6H.6.019 ГОСТ 5915-70        | 2    | Nut                           |
|          | 19       | Φ80-3407201                      | 2    | Bolt                          |
|          | 20       | Φ80-3407114                      | 4    | Washer                        |
|          | 21       | 952-3407020                      | 2    | Adapter                       |
|          | 22       | Φ80-3001011                      | 1    | Bracket                       |
|          | 23       | Φ80-3001013                      | 2    | Plate                         |
|          | 24       | M16-6gx40.88.35.019 ГОСТ 7796-70 | 4    | Bolt                          |
|          | 25       | Д01-015                          | 2    | Pin                           |
|          | 26       | 50-3001010A-01                   | 1    | Front axle                    |
|          | 27       | Φ80-3405112                      | 1    | Reducing sleeve               |
|          | 28       | 952-3407100-04                   | 1    | High-pressure hose pipe       |

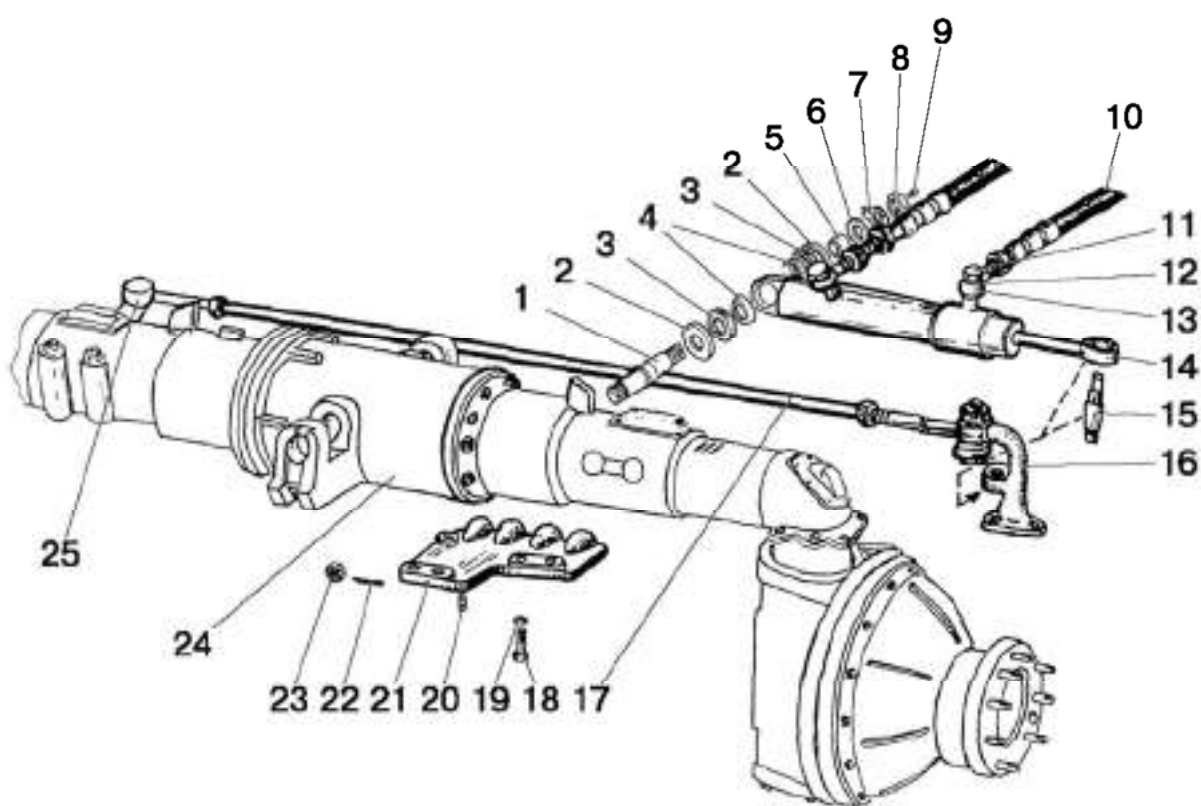


Fig. 34.4. HPS hydraulic cylinder and fittings (FDA 72-2300020-A-04)



**Group 34. Steering**

**Subgroup 3405, 3407. HPS hydraulic cylinder and fittings (FDA 72-2300020-A-04)**

| Fig. No. | Pos. No. | Designation                      | Q-ty | Description                  |
|----------|----------|----------------------------------|------|------------------------------|
| 34.4     | 1        | 102-3405103                      | 1    | Pin                          |
|          | 2        | Φ80-3405108                      | 4    | Sealing cup                  |
|          | 3        | Φ80-3405109                      | 4    | Joint seal                   |
|          | 4        | Φ80-3405107                      | 4    | Spherical bush               |
|          | 5        | Φ80-3405102-B                    | 2    | Bush                         |
|          | 6        | C 20.01.019 ГОСТ 11371-78        | 3    | Washer                       |
|          | 7        | Φ80-3405103                      | 2    | Retaining washer             |
|          | 8        | M20x1,5-6H.6.019 ГОСТ 5915-70    | 2    | Nut                          |
|          | 9        | 1.1.Ц9.xp ГОСТ 19853-74          | 2    | Greaser                      |
|          | 10       | 952-3407100                      | 2    | High-pressure hose pipe      |
|          | 11       | Φ80-3407201                      | 2    | Bolt                         |
|          | 12       | Φ80-3407114                      | 4    | Washer                       |
|          | 13       | 952-3407020                      | 2    | Adapter                      |
|          | 14       | Ц50-3405215-A-01                 | 1    | Hydraulic cylinder 50x25-200 |
|          | 15       | 102-3405103-Б                    | 1    | Pin                          |
|          | 16       | 72-2308075-01                    | 1    | Lever left                   |
|          | 17       | 1220-3003010                     | 1    | Steering link                |
|          | 18       | M16-6gx40.88.35.019 ГОСТ 7796-70 | 3    | Bolt                         |
|          | 19       | 16 OT OCT 37.001.115-75          | 3    | Washer                       |
|          | 20       | Д01-015                          | 2    | Pin                          |
|          | 21       | 102-2301023-01                   | 1    | Bracket                      |
|          | 22       | 4x36.019 ГОСТ 397-79             | 2    | Cotter pin                   |
|          | 23       | 70-4605316                       | 2    | Nut                          |
|          | 24       | 72-2300020-A-04                  | 1    | Front driving axle           |
|          | 25       | 72-2308074                       | 1    | Lever right                  |

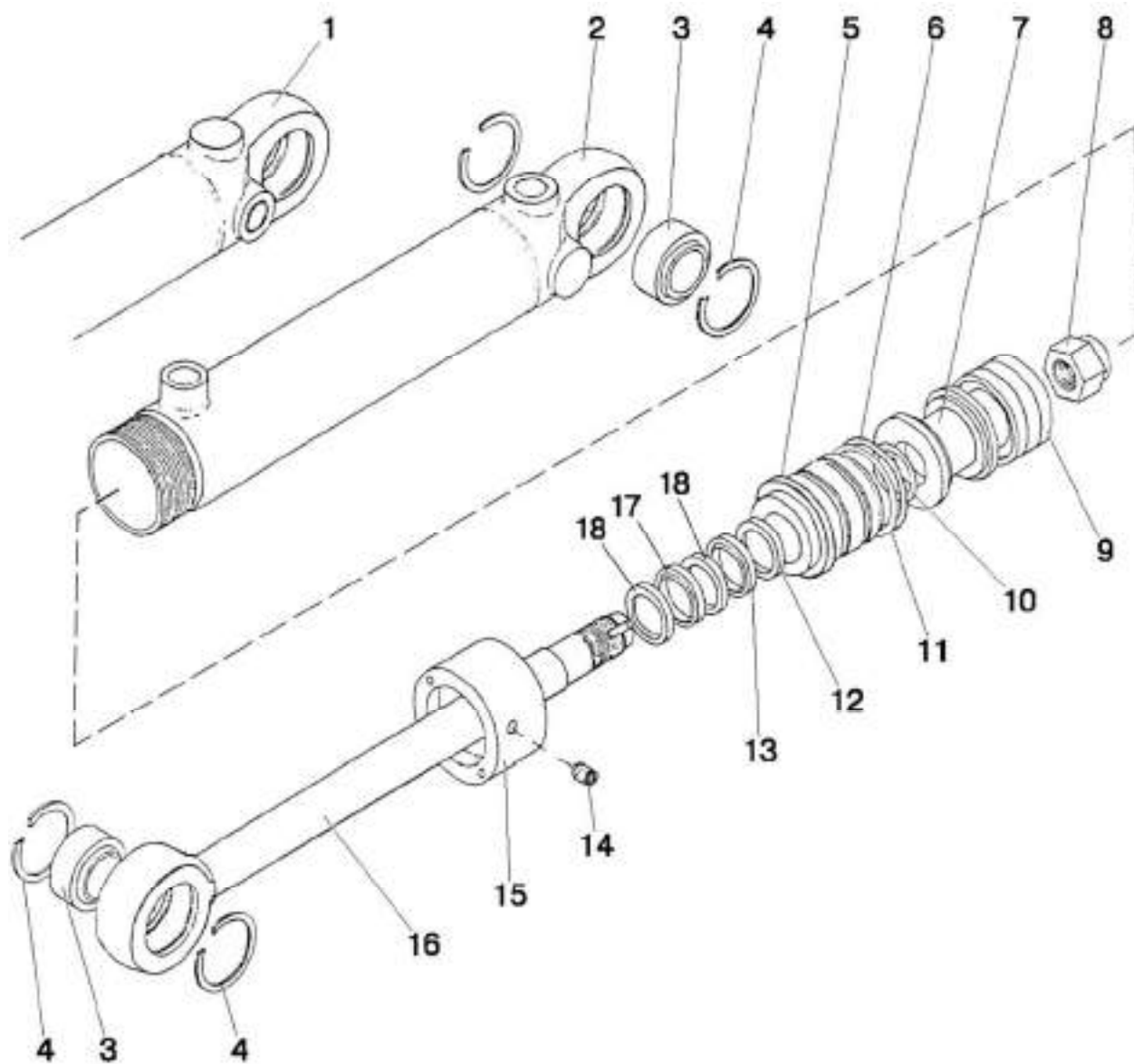


Fig. 34.5. Hydraulic cylinder 50x25-200

**Group 34. Steering  
Subgroup 3405. Hydraulic cylinder 50x25-200**

| Fig. No. | Pos. No. | Designation                          | Q-ty                      | Description                            |
|----------|----------|--------------------------------------|---------------------------|--|
| 34.5     |          | Ц50-3405215-A*                       | 1                         | Hydraulic cylinder 50x25-200 (2-18)    |
|          |          | Ц50-3405215-A-01**                   | 1                         | Hydraulic cylinder 50x25-200 (1, 3-18) |
|          | 1        | Ц50-3405220-01**                     | 1                         | Cylinder body                          |
|          | 2        | Ц50-3405220*                         | 1                         | Cylinder body                          |
|          | 3        | ШС-25 ГОСТ 3635-78                   | 2                         | Bearing                                |
|          | 4        | С42 ГОСТ 13941-86                    | 4                         | Ring                                   |
|          | 5        | Ц50-3405218-Б                        | 1                         | Front cover                            |
|          | 6        | 045-050-30-1-4 ГОСТ 18829-73/9833-73 | 2                         | Ring                                   |
|          | 7        | Ц50-3405223-Б                        | 1                         | Piston                                 |
|          | 8        | Ц50-3405222                          | 1                         | Piston nut                             |
|          | 9        | 24251797                             | 1                         | Piston seal L43 50-34-20,5             |
|          | 10       | 025-028-19-1-4 ГОСТ 18829-73/9833-73 | 1                         | Ring                                   |
|          | 11       | Ц50-3405228                          | 1                         | Protective ring                        |
|          | 12       | 24223269                             | 1                         | Rod seal T20 25-33-5.7                 |
|          | 13       | 24004792                             | 1                         | Rod cuff PU6 25-33,6-6,5               |
|          | 14       | A.M8-6gx10.45H.40X.05 ГОСТ 8878-93   | 1                         | Screw                                  |
|          | 15       | Ц50-3405224                          | 1                         | Sleeve nut                             |
|          | 16       | Ц50-3405221-Б                        | 1                         | Rod                                    |
| 17       | 24223123 | 1                                    | Rod seal OMS-MR 25-32,3-3 |  |
| 18       | 24226044 | 2                                    | Rod guide SB 25-28-5,5    |  |

\* for tractors with front axle

\*\* for tractors with FDA 72-2300010

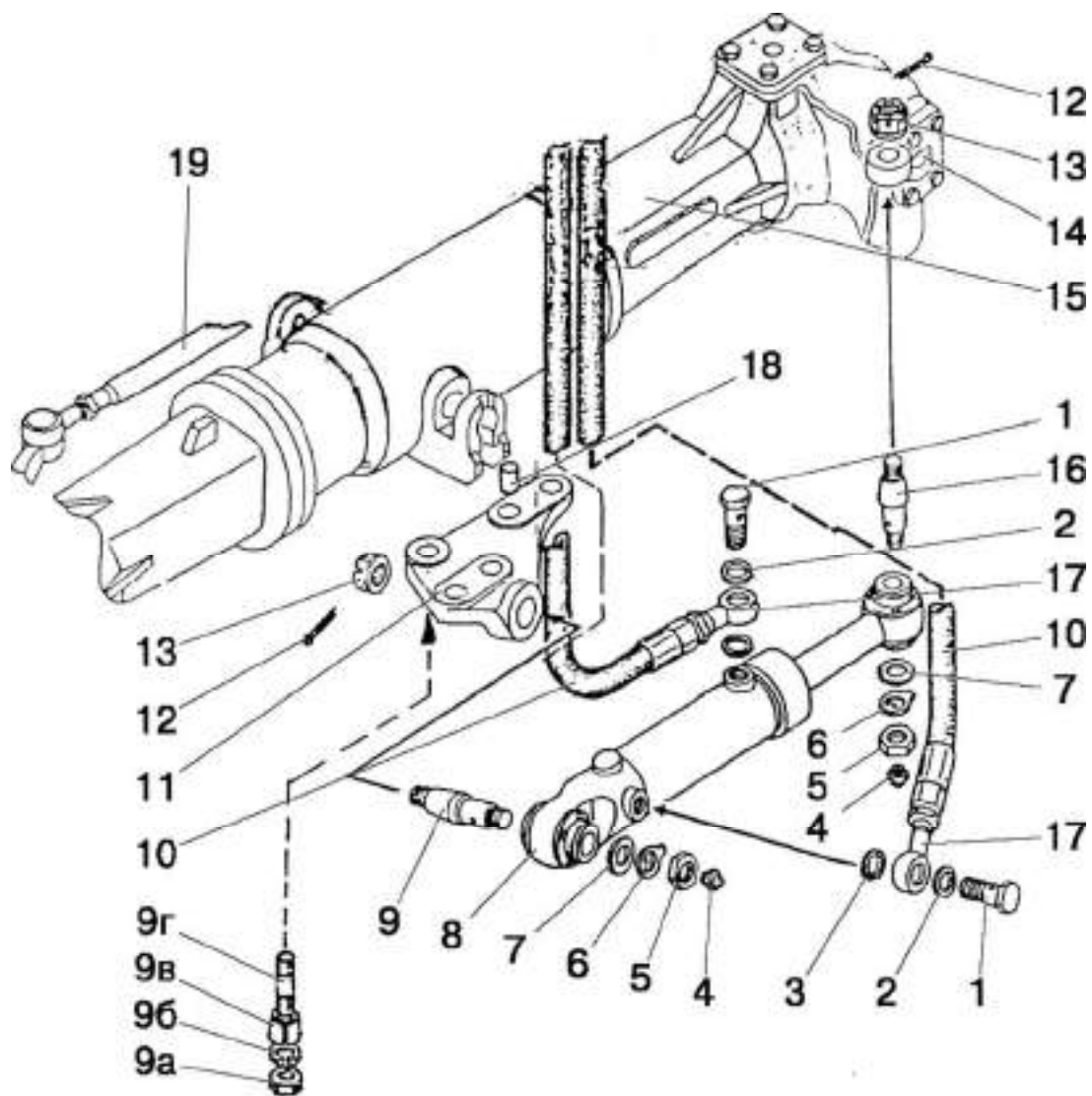


Fig. 34.6. Hydraulic cylinder Ц63 and HPS fittings (FDA 822-2300020-02/-04)

**Group 34. Steering**  
**Subgroup 3405, 3407. Hydraulic cylinder Ц63 and HPS fittings**  
**(FDA 822-2300020-02/-04)**

| Fig. No. | Pos. No.     | Designation                   | Q-ty          | Description             |
|----------|--------------|-------------------------------|---------------|-------------------------|
| 34.6     | 1            | Φ80-3407201                   | 2             | Bolt                    |
|          | 2,3          | Φ80-3407114                   | 4             | Washer                  |
|          | 4            | 1.1.Ц9.xp ГОСТ 19853-74       | 2             | Greaser                 |
|          | 5            | M20x1,5-6H.6.019 ГОСТ 5915-70 | 2             | Nut                     |
|          | 6            | Φ80-3405103                   | 2             | Retaining washer        |
|          | 7            | C 20.01.019 ГОСТ 11371-78     | 2             | Washer                  |
|          | 8            | Ц63-3405115-A-02              | 1             | Hydraulic cylinder      |
|          | 9            | 102-3405111                   | 1             | Pin                     |
|          | 9a           | M16-6H.6.019 ГОСТ 5915-70     | 3             | Nut                     |
|          | 9б           | 16 OT OCT 37.001.115-75       | 3             | Washer                  |
|          | 9в           | 1520-2308077                  | 3             | Bush                    |
|          | 9г           | 1520-2308079                  | 3             | Pin                     |
|          | 10           | 952-3407100-04                | 2             | High-pressure hose pipe |
|          | 11           | 822-2301023-Б-01              | 1             | Cylinder bracket        |
|          | 12           | 4x36.019 ГОСТ 397-79          | 2             | Cotter pin              |
|          | 13           | 102-3405113                   | 2             | Pin nut                 |
|          | 14           | 1021-2308076                  | 1             | Bracket                 |
|          | 15           | 822-2300020-04                | 1             | FDA (with cylinder Ц63) |
|          | 16           | 102-3405112-01                | 1             | Pin                     |
| 17       | 952-3407020  | 2                             | Adapter       |                         |
| 18       | Д01-015      | 2                             | Pin           |                         |
| 19       | 1220-3003010 | 1                             | Steering link |                         |

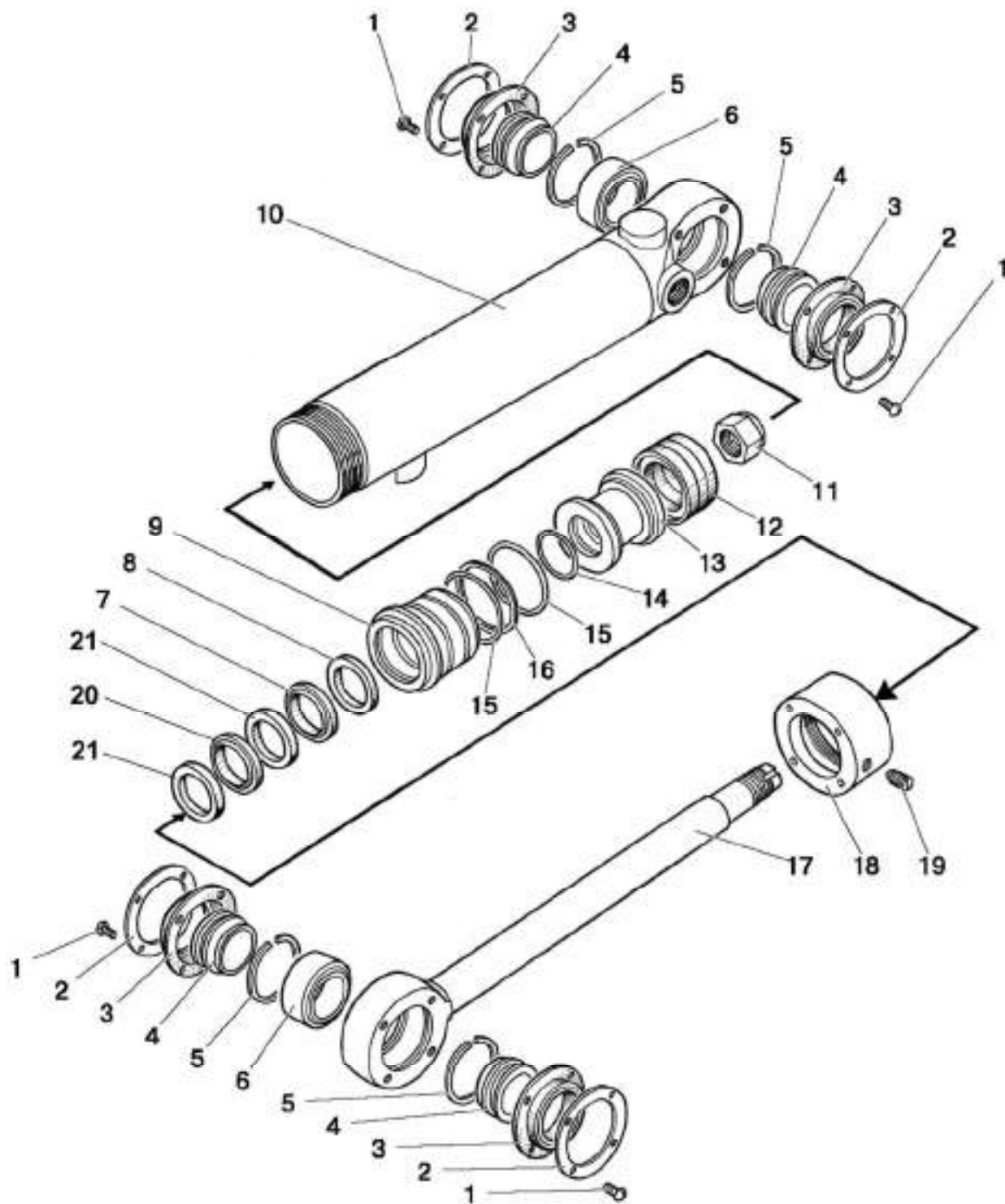


Fig. 34.7. Hydraulic cylinder Ц63 (63x30-200)

**Group 34. Steering**  
**Subgroup 3405. Hydraulic cylinder Ц63 (63x30-200)**

| Fig. No. | Pos. No. | Designation                          | Q-ty                   | Description                 |
|----------|----------|--------------------------------------|------------------------|-----------------------------|
| 34.7     |          | Ц63-3405115-A-02                     | 1                      | Hydraulic cylinder assembly |
|          | 1        | B.M5-6gx10.58.019 ГОСТ 17473-80      | 16                     | Screw                       |
|          | 2        | 82.6-4713337                         | 4                      | Fit ring                    |
|          | 3        | Ц63-3405134                          | 4                      | Boot                        |
|          | 4        | Ц63-3405127                          | 4                      | Bush                        |
|          | 5        | C47 ГОСТ 13941-86                    | 4                      | Ring                        |
|          | 6        | ШЦ-30 ГОСТ 3635-78                   | 2                      | Bearing                     |
|          | 7        | 24004799                             | 1                      | Rod cuff PU6 30-38,6-6,5    |
|          | 8        | 24236861                             | 1                      | Rod seal T20 30-38-5.7      |
|          | 9        | Ц63-3405118-Б                        | 1                      | Front cover                 |
|          | 10       | Ц63-3405120-02                       | 1                      | Casing                      |
|          | 11       | Ц50-3405222                          | 1                      | Piston nut                  |
|          | 12       | 24251803                             | 1                      | Piston seal L43 63-47-20,5  |
|          | 13       | Ц63-3405123                          | 1                      | Piston                      |
|          | 14       | 030-034-25-1-4 ГОСТ 18829-73/9833-73 | 1                      | Ring                        |
|          | 15       | 055-063-46-1-4 ГОСТ 18829-73/9833-73 | 2                      | Ring                        |
|          | 16       | Ц63-3405128 or<br>82.6-4713327       | 1                      | Protective ring             |
|          | 17       | Ц63-3405121                          | 1                      | Rod                         |
|          | 18       | Ц63-3405124                          | 1                      | Sleeve nut                  |
|          | 19       | A.M8-6gx10.45H.40X.05 ГОСТ 8878-93   | 1                      | Screw                       |
|          | 20       | 24223129                             | 1                      | Rod seal OMS-MR 30-37,3-3   |
| 21       | 24226046 | 2                                    | Rod guide SB 30-33-5,5 |                             |

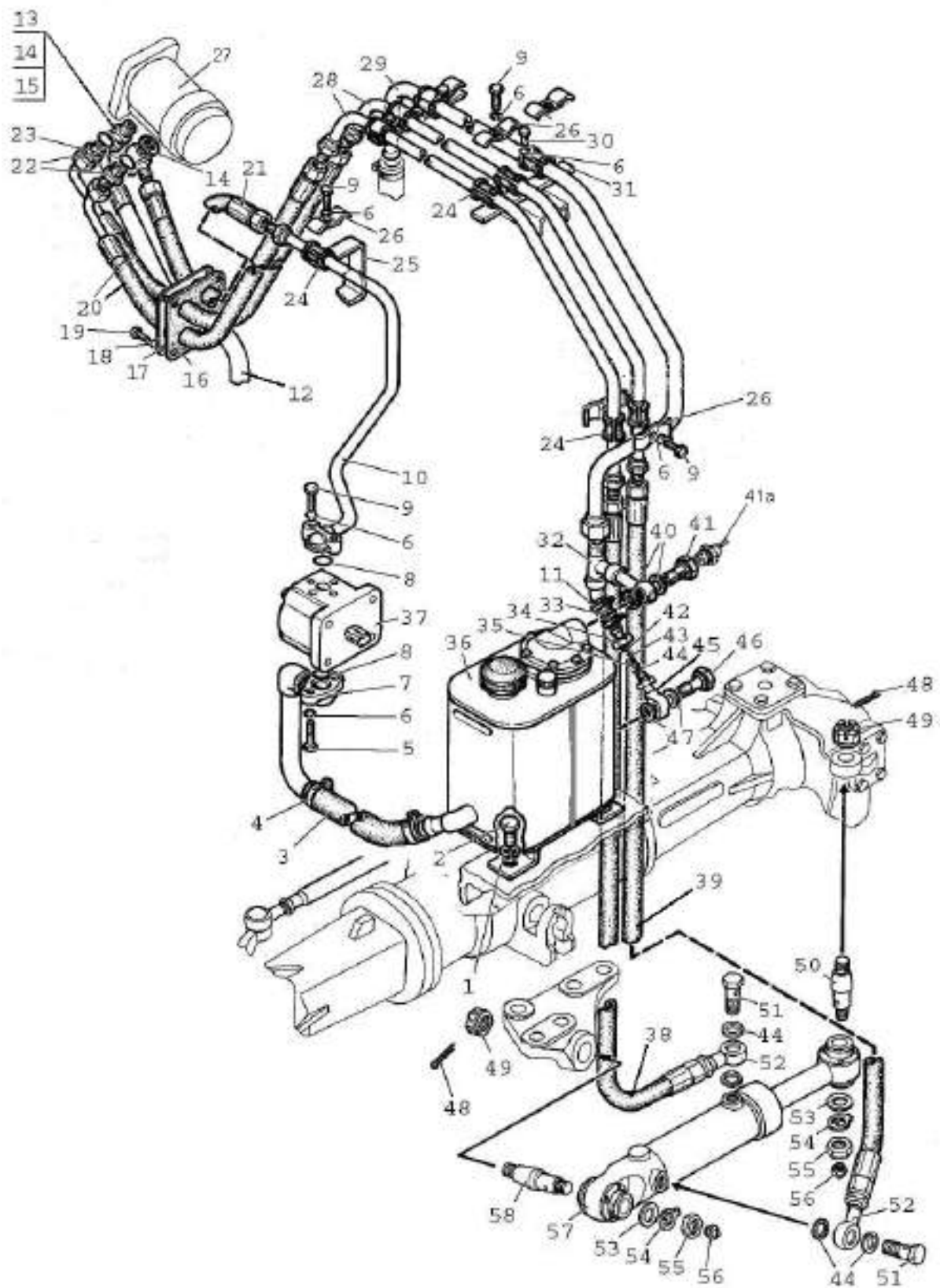


Fig.34.8. Steering with the FDA 822-2300020-04 and separate tank



**Group 34. Steering  
Subgroup 3407. Steering with the FDA 822-230020-04  
and separate tank**

| Fig. No. | Pos. No.     | Designation  | Q-ty   | Description                   |
|----------|--------------|--|--------|-------------------------------|
| 34.8     | 1            | 16 OT OCT 37.001.115-75  | 2      | Washer                        |
|          | 2            | M16-6gx25.88.35.019 ГОСТ 7796-70   | 2      | Bolt                          |
|          | 3            | 1221-3407012-03  | 1      | Hose                          |
|          | 4            | "NORMA" TORRO 25-40/9-C6W  | 2      | Clamp                         |
|          | 5            | M8-6gx40.88.35.019 ГОСТ 7795-70  | 2      | Bolt                          |
|          | 6            | 8T OCT 37.001.115-75   | 13     | Washer                        |
|          | 7            | 1025-3407030   | 1      | Oil pipeline                  |
|          | 8            | 017-022-30-1-4 ГОСТ 18829-73/9833-73                                     | 2      | Ring                          |
|          | 9            | M8-6gx35.88.35.019 ГОСТ 7796-70  | 9      | Bolt                          |
|          | 10           | 1025-3407020   | 1      | Oil pipeline                  |
|          | 11           | "NORMA" TORRO 16-25/9-C6W  | 4      | Clamp                         |
|          | 12           | 952-3407014-06   | 1      | Hose                          |
|          | 13           | 85-3407105-03  | 1      | Bolt                          |
|          | 14           | Φ80-3407157  | 2      | Washer                        |
|          | 15           | 922-3407080  | 1      | Oil pipeline                  |
|          | 16           | 2522-6703034   | 1      | Gasket                        |
|          | 17           | 1522-3407011   | 1      | Cover                         |
|          | 18           | 6T OCT 37.001.115-75   | 4      | Washer                        |
|          | 19           | M6-6gx16.88.35.019 ГОСТ 7798-70  | 4      | Bolt                          |
|          | 20           | 680-4607140-06   | 1      | High-pressure hose pipe       |
|          | 21           | 680-4607140-05   | 1      | High-pressure hose pipe       |
|          | 22           | 1522-3407016   | 3      | Connecting pipe               |
|          | 23           | 025-029-25-2-2 ГОСТ 18829-73/9833-73                                     | 3      | Ring                          |
|          | 24           | 70-3506027   | 9      | Bush                          |
|          | 25           | 1025-3407012   | 1      | Bracket                       |
|          | 26           | 703407146  | 6      | Slat                          |
|          | 27           | OSPC 160-ON150G0030 or LAGC 160-10/200-140 M01-100S or SUB 160-140.200-1 | 1      | Metering pump                 |
|          | 28           | 1025-3407040   | 2      | Oil pipeline                  |
|          | 29           | 1025-3407060   | 1      | Oil pipeline                  |
|          | 30           | M8-6gx20.88.35.019 ГОСТ 7796-70  | 3      | Bolt                          |
|          | 31           | 1025-3407013   | 2      | Bracket                       |
|          | 32           | 923-3407050  | 1      | T-branch                      |
|          | 33           | 600-3407083  | 1      | Hose                          |
|          | 34           | Φ80-3407111-01   | 1      | Valve cover                   |
|          | 35           | 12,0-60 ГОСТ 3722-81   | 1      | Ball                          |
|          | 36           | 923-3407100-01   | 1      | Tank                          |
|          | 37           | НШ14Д-3Л or НШ14Г-3Л or 20A14x126  | 1      | Gear pump                     |
|          | 38           | 952-3407100-02   | 2      | High-pressure hose pipe       |
|          | 39           | 952-3407100-04   | 2      | High-pressure hose pipe       |
|          | 40           | 40-4607033-A   | 2      | Washer                        |
|          | 41           | 1221-3407140-01  | 1      | Valve                         |
|          | 41a          | ДАДМ-03  | 1      | Oil emergency pressure sensor |
|          | 42           | Φ80-3407113  | 1      | Guide                         |
|          | 43           | 80-3407221   | 1      | Spring                        |
|          | 44           | Φ80-3407114  | 5      | Washer                        |
|          | 45           | 822-3407095  | 1      | Valve body                    |
|          | 46           | 40-4607032   | 1      | Bolt                          |
| 47       | 40-4607038-A | 2  | Washer |                               |

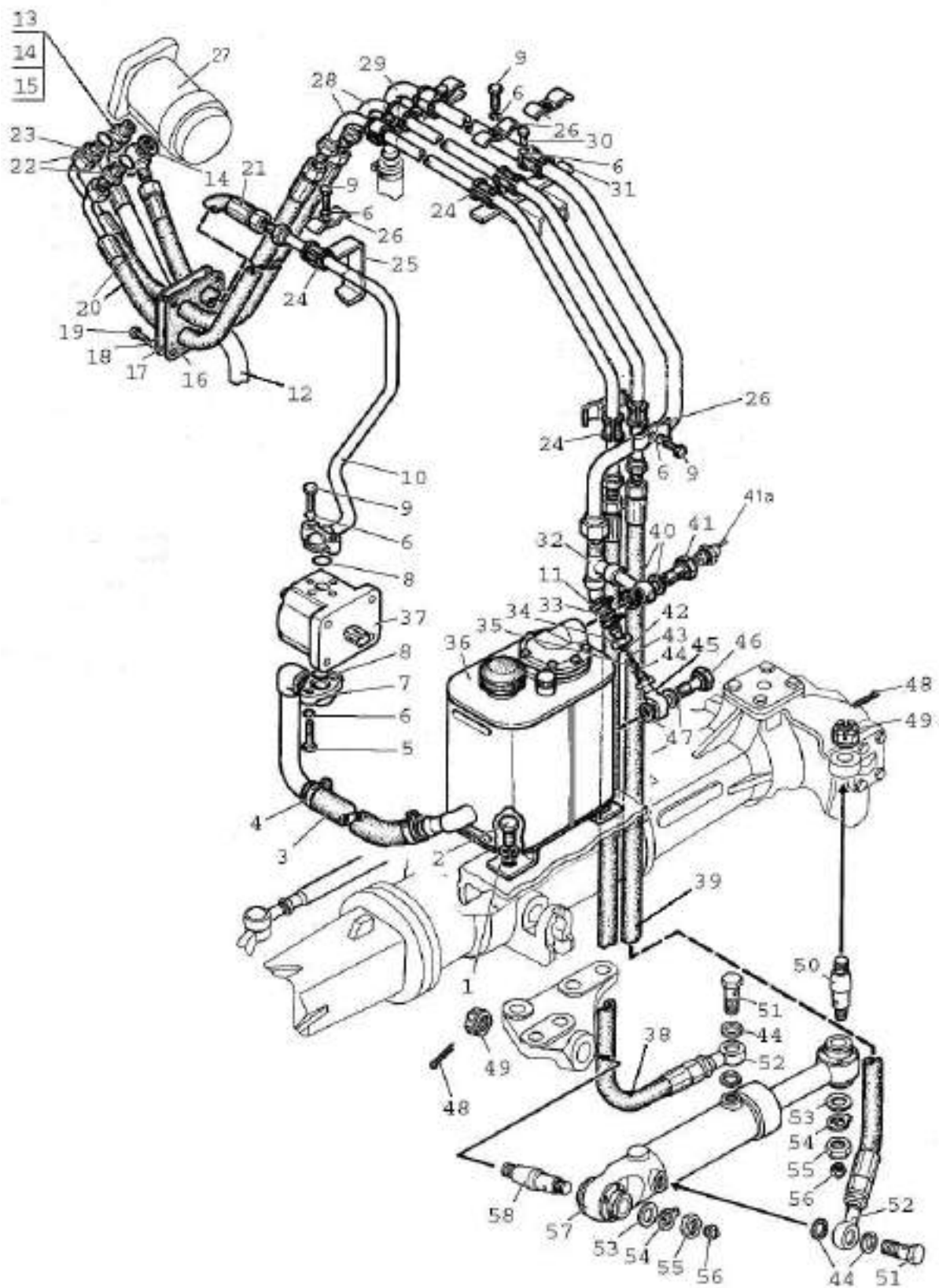


Fig.34.8. Steering with the FDA 822-2300020-04 and separate tank

**Group 34. Steering  
Subgroup 3407. Steering with the FDA 822-2300020-04  
and separate tank**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 34.8            | 48              | 4x36.019 ГОСТ 397-79            | 2           | Cotter pin         |
|                 | 49              | 102-3405113                     | 2           | Pin nut            |
|                 | 50              | 102-3405112-01                  | 1           | Pin                |
|                 | 51              | Φ80-3407301                     | 2           | Bolt               |
|                 | 52              | 2022-3407202                    | 2           | Adapter            |
|                 | 53              | C 20.01.019 ГОСТ 11371-78       | 2           | Washer             |
|                 | 54              | Φ80-3405103                     | 2           | Retaining washer   |
|                 | 55              | M20x1,5-6H.04.019 ГОСТ 15522-70 | 2           | Nut                |
|                 | 56              | 1.1.Ц9.xp ГОСТ 19853-74         | 2           | Greaser            |
|                 | 57              | Ц63-3405115-A-02                | 1           | Hydraulic cylinder |
|                 | 58              | 102-3405111                     | 1           | Pin                |

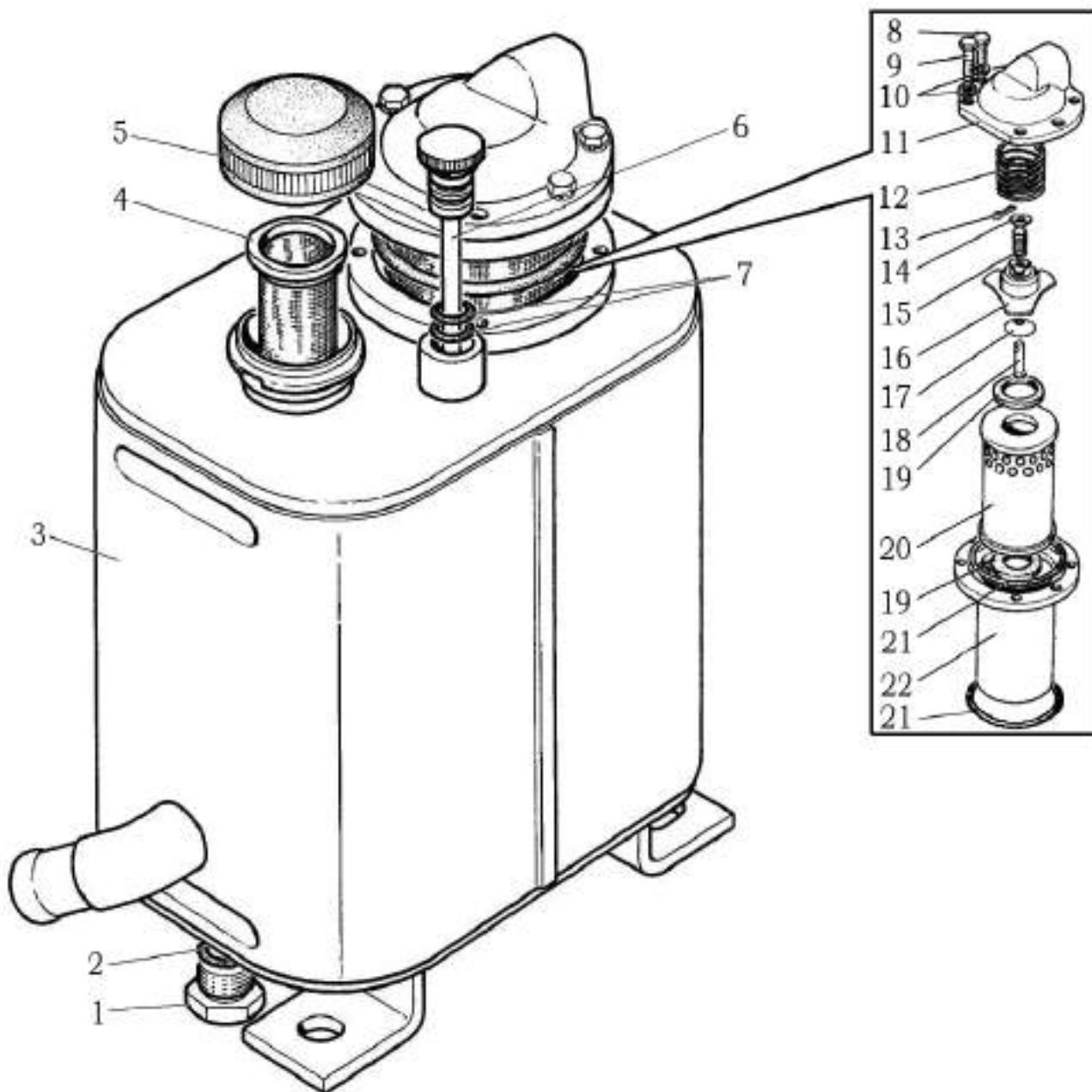


Fig.34.9. Tank

**Group 34. Steering  
Subgroup 3407. Tank**

| Fig. No. | Pos. No.    | Designation                          | Q-ty | Description       |
|----------|-------------|--------------------------------------|------|-------------------|
| 34.9     |             | 923-3407100-01                       | 1    | Tank (1-21)       |
|          | 1           | 50-4608027-B                         | 1    | Plug              |
|          | 2           | 017-021-25-2-2 ГОСТ 18829-73/9833-73 | 1    | Ring              |
|          | 3           | 923-3407120-01                       | 1    | Tank              |
|          | 4           | A61-C06-A3                           | 1    | Filter            |
|          | 5           | 240-3707200                          | 1    | Plug              |
|          | 6           | 082-4608130                          | 1    | Oil gauge         |
|          | 7           | 011-015-25-2-4 ГОСТ 18829-73/9833-73 | 2    | Ring              |
|          | 8           | M6-6gx16.88.35.019 ГОСТ 7798-70      | 2    | Bolt              |
|          | 9           | M6-6gx25.88.35.019 ГОСТ 7798-70      | 4    | Bolt              |
|          | 10          | 6T OCT 37.001.115-75                 | 4    | Washer            |
|          | 11          | 220-4608051-01                       | 1    | Cover             |
|          | 12          | 50-4608057                           | 1    | Spring            |
|          | 13          | 1,6x12.019 ГОСТ 397-79               | 1    | Cotter pin        |
|          | 14          | 320-4608081                          | 2    | Bolster           |
|          | 15          | 80-3405044                           | 1    | Spring            |
|          | 16          | 320-4608085                          | 1    | Valve body        |
|          | 17          | 320-4608083                          | 1    | Spherical valve   |
|          | 18          | 320-4608082                          | 1    | Rod               |
|          | 19          | 80-4608024                           | 2    | Ring              |
|          | 20          | 601T-1-06                            | 1    | Filtering element |
|          | 21          | 075-080-30-1-4 ГОСТ 18829-73/9833-73 | 2    | Ring              |
| 22       | 220-4608060 | 1                                    | Cage |                   |

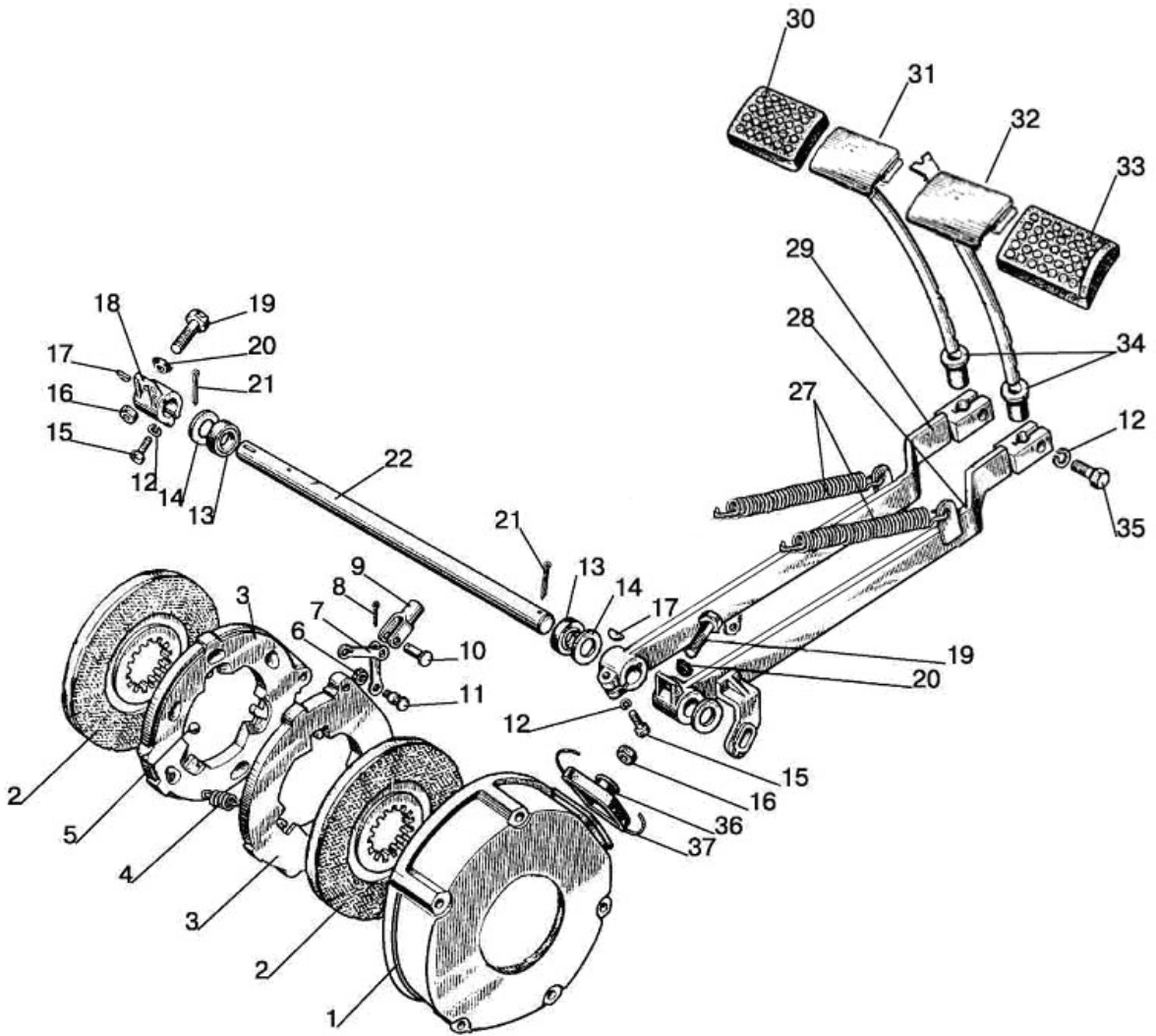


Fig. 35.1. Brakes. Brake control (dry friction)

**Group 35. Brakes  
Subgroup 3502, 3503. Brakes. Brake control (dry friction)**

| Fig. No. | Pos. No.             | Number of the assembly unit or part | Q-ty | Description            |
|----------|----------------------|-------------------------------------|------|------------------------|
| 35.1     |                      | 85-3502010                          | 2    | Brake (1-11,36,37)     |
|          |                      | 85-3502030                          | 2    | Pressure plate (3-11)  |
|          |                      | 70-3503080                          | 2    | Rod brakes (16,19, 20) |
|          |                      | 80-3503080                          | 1    | Right pedal (32, 33)   |
|          |                      | 80-3503090                          | 1    | Left pedal (30, 31)    |
|          | 1                    | 85-3502035                          | 2    | Housing                |
|          | 2                    | 85-3502040-01 or<br>85-3502040-04   | 4    | Brake disk             |
|          | 3                    | 85-3502036                          | 4    | Pressure plate         |
|          | 4                    | 77.38.163                           | 6    | Spring                 |
|          | 5                    | 22,225-100 ГОСТ 3722-81             | 10   | Ball                   |
|          | 6                    | M8-6H.6.019 ГОСТ 5915-70            | 4    | Nut                    |
|          | 7                    | 85-3502196                          | 4    | Rod                    |
|          | 8                    | 3,2x18.019 ГОСТ 397-79              | 2    | Cotter pin             |
|          | 9                    | 50-3502203                          | 2    | Fork                   |
|          | 10                   | 12x32 OCT 37.001.163-75             | 2    | Pin                    |
|          | 11                   | 50-3502198                          | 4    | Pin                    |
|          | 12                   | 12 OT OCT 37.001.115-75             | 4    | Washer                 |
|          | 13                   | 2.2-25x42-1                         | 2    | Cuff                   |
|          | 14                   | 50-3503071                          | 3    | Washer                 |
|          | 15                   | M12-6gx35.88.35.019 ГОСТ 7796-70    | 2    | Bolt                   |
|          | 16                   | M12x1,25-6H.04.019 ГОСТ 5916-70     | 2    | Nut                    |
|          | 17                   | СШ-611                              | 2    | Key 6x11               |
|          | 18                   | 70-3503017-A                        | 1    | Lever                  |
|          | 19                   | 70-3503019                          | 2    | Bolt                   |
|          | 20                   | 70-3503018                          | 2    | Washer                 |
|          | 21                   | 5x36.019 ГОСТ 397-79                | 2    | Cotter pin             |
|          | 22                   | 50-3503015                          | 1    | Roller                 |
|          | 27                   | 50-1605152                          | 2    | Spring                 |
|          | 28                   | 80-3503110                          | 1    | Lever                  |
|          | 29                   | 80-3503120                          | 1    | Lever                  |
|          | 30                   | A13.34.001                          | 1    | Liner                  |
|          | 31                   | 80-3503140                          | 1    | Left pedal             |
|          | 32                   | 80-3503130                          | 1    | Right pedal            |
|          | 33                   | A13.33.002                          | 1    | Liner                  |
|          | 34                   | 80-3503158-A                        | 2    | Seal                   |
|          | 35                   | M12-6gx30.88.35.019 ГОСТ 7796-70    | 2    | Bolt                   |
|          | 36                   | 50-3502202                          | 2    | Boot                   |
| 37       | 1,6-O-C ГОСТ 3282-74 | 2                                   | Wire |                        |

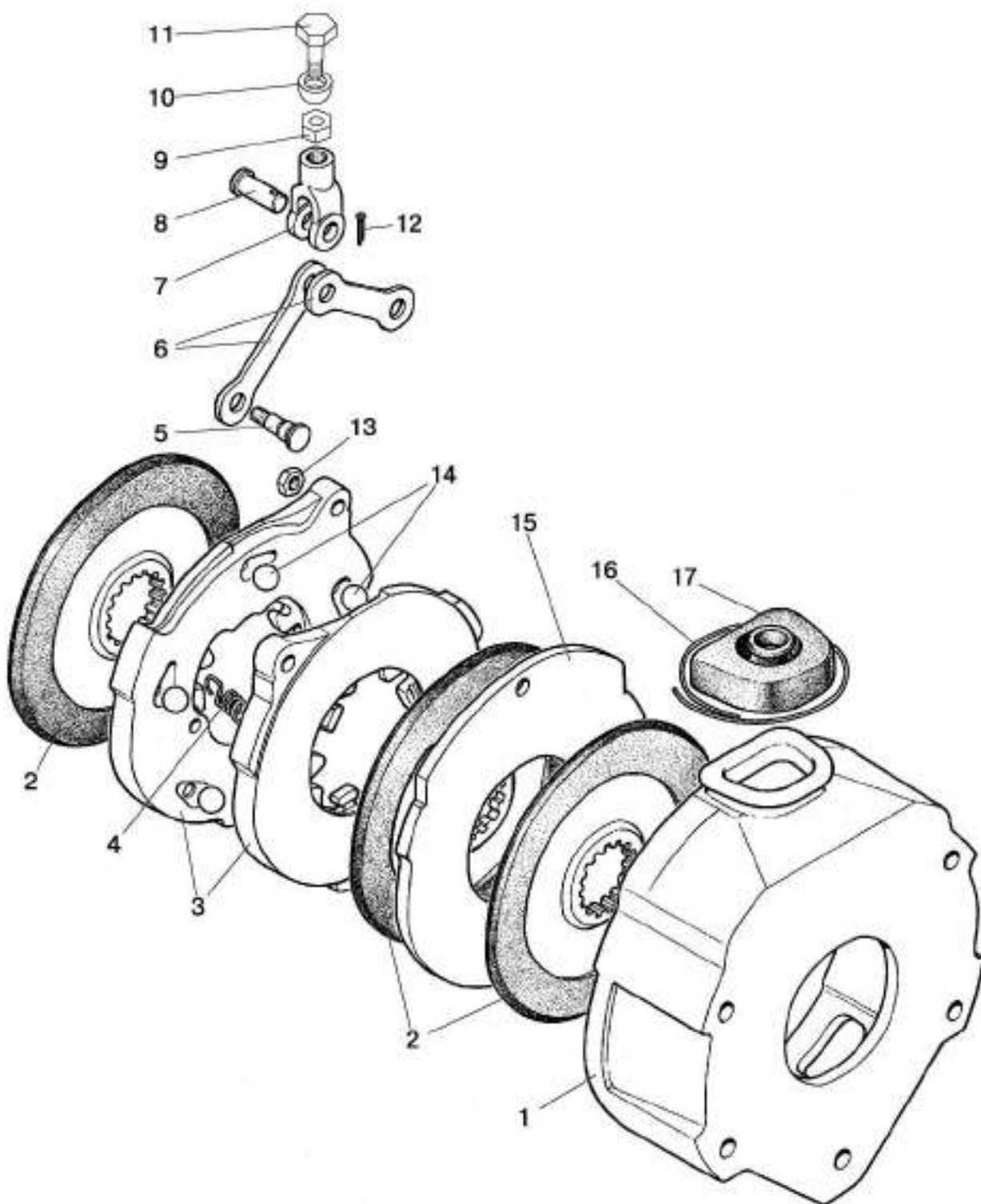


Fig. 35.2. Brakes (design version)



**Group 35. Brakes  
Subgroup 3502. Brakes (design version)**

| Fig. No. | Pos. No.                    | Number of the assembly unit or part | Q-ty | Description                |
|----------|-----------------------------|-------------------------------------|------|----------------------------|
| 35.2     |                             | 1522-3502010                        | 2    | Brake (1-8, 12-17)         |
|          |                             | 70-3503080                          | 2    | Rod brakes (9,10,11)       |
|          |                             | 85-3502030                          | 2    | Pressure plate (3-8,12-14) |
|          | 1                           | 1522-3502035                        | 2    | Housing                    |
|          | 2                           | 85-3502040-01 or<br>85-3502040-04   | 6    | Disk                       |
|          | 3                           | 85-3502036                          | 4    | Pressure plate             |
|          | 4                           | 77.38.163                           | 6    | Spring                     |
|          | 5                           | 50-3502198                          | 4    | Pin                        |
|          | 6                           | 85-3502196                          | 4    | Rod                        |
|          | 7                           | 50-3502203                          | 2    | Fork                       |
|          | 8                           | 12x32 OCT 37.001.163-75             | 2    | Pin                        |
|          | 9                           | M12x1,25-6H.04.019 ГОСТ 5916-70     | 2    | Nut                        |
|          | 10                          | 70-3503018                          | 2    | Washer                     |
|          | 11                          | 70-3503019                          | 2    | Bolt                       |
|          | 12                          | 3,2x18.019 ГОСТ 397-79              | 2    | Cotter pin                 |
|          | 13                          | M8-6H.6.019 ГОСТ 5915-70            | 4    | Nut                        |
|          | 14                          | 22,225-100 ГОСТ 3722-81             | 10   | Ball                       |
| 15       | 1522-3502037-Б              | 2                                   | Disk |                            |
| 16       | 1,6-O-C ГОСТ 3282-74 300 mm | 2                                   | Wire |                            |
| 17       | 50-3502202                  | 2                                   | Boot |                            |

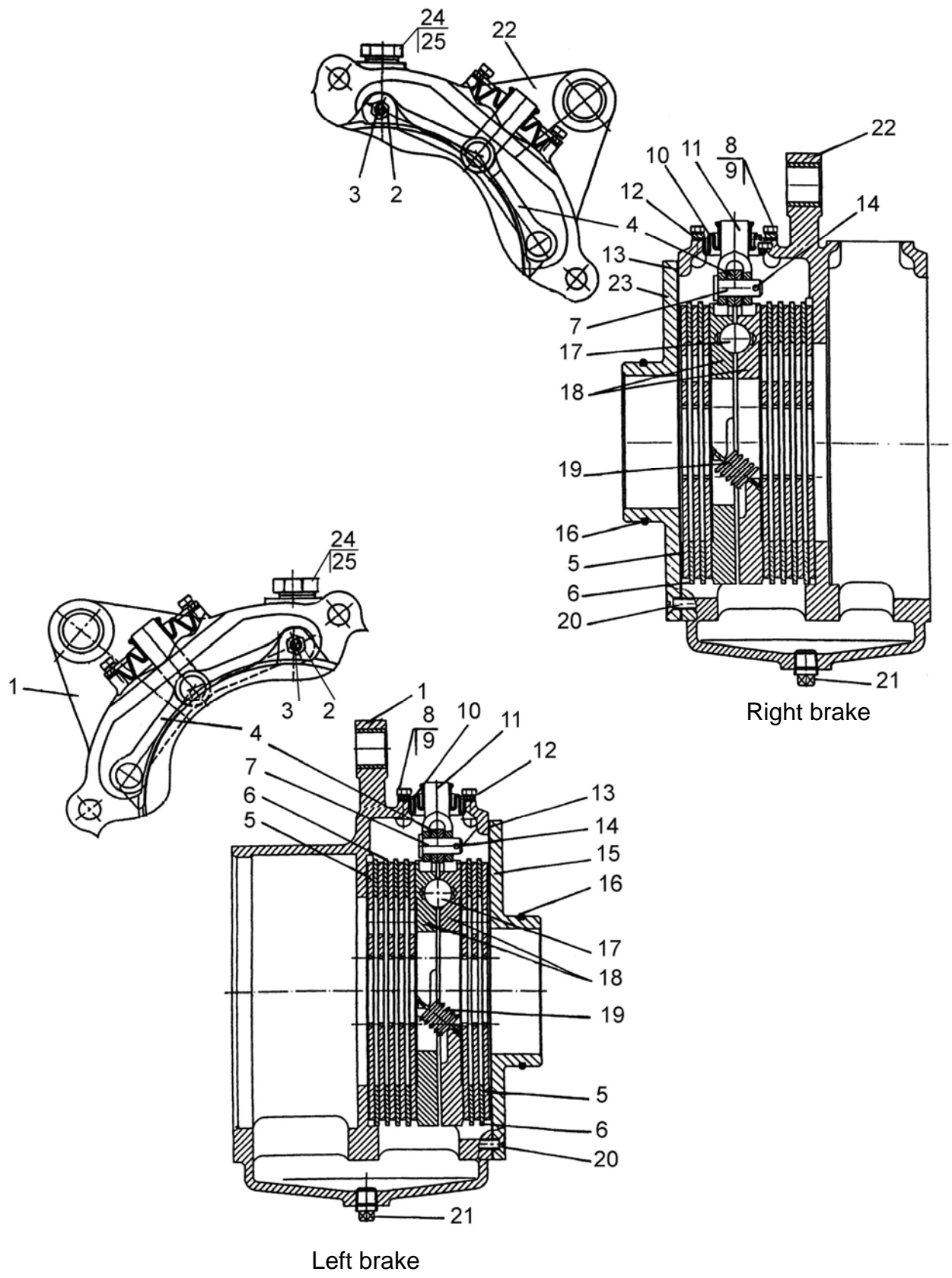


Fig.35.3. Wet brakes (left/right)

**Group 35.Brakes  
Subgroup 3502. Wet brakes (left/right)**

| Fig. No. | Pos. No.                        | Number of the assembly unit or part | Q-ty               | Description                                |
|----------|---------------------------------|-------------------------------------|--------------------|--|
| 35.3     |                                 | 1221M-3502010                       | 1                  | Brake right (2-14, 16-20, 22, 23)          |
|          |                                 | 1221M-3502020                       | 1                  | Brake left (1-20)                          |
|          |                                 | 85-3502030-01                       | 2                  | Pressure plate (2, 3, 4, 7, 11, 14, 17-19) |
|          | 1                               | 1221M-2409035                       | 1                  | Casing                                     |
|          | 2                               | M8-6H.6.019 ГОСТ 5915-70            | 4                  | Nut  |
|          | 3                               | 50-3502198                          | 4                  | Pin  |
|          | 4                               | 85-3502196                          | 4                  | Rod  |
|          | 5                               | 1522-3502015-07                     | 16                 | Disk                                       |
|          | 6                               | 80M-3502037                         | 12                 | Intermediate disk (S=3.0 mm)               |
|          |                                 | 80M-3502037-01                      | *                  | Intermediate disk (S=3.2 mm)               |
|          |                                 | 80M-3502037-02                      | *                  | Intermediate disk (S=3.4 mm)               |
|          |                                 | 80M-3502037-03                      | *                  | Intermediate disk (S=3.6 mm)               |
|          |                                 | 80M-3502037-04                      | *                  | Intermediate disk (S=3.8 mm)               |
|          |                                 | 80M-3502037-05                      | *                  | Intermediate disk (S=4.0 mm)               |
|          |                                 | 80M-3502037-06                      | *                  | Intermediate disk (S=4.2 mm)               |
|          |                                 | 80M-3502037-07                      | *                  | Intermediate disk (S=4.4 mm)               |
|          | 7                               | 12x32 OCT 37.001.163-75             | 2                  | Pin  |
|          | 8                               | M6-6gx12.88.35.019 ГОСТ 7798-70     | 8                  | Bolt                                       |
|          | 9                               | 6T OCT 37.001.115-75                | 8                  | Washer                                     |
|          | 10                              | 80M-3502202                         | 2                  | Boot                                       |
|          | 11                              | 50-3502203                          | 2                  | Fork                                       |
|          | 12                              | 80M-3502204                         | 2                  | Plate                                      |
|          | 13                              | 1221M-3502051                       | 2                  | Gasket                                     |
|          | 14                              | 3,2x18.019 ГОСТ 397-79              | 2                  | Cotter pin                                 |
|          | 15                              | 85M-2407059                         | 1                  | Cage cover (left)                          |
| 16       | Ц-110-1414045                   | 2                                   | Ring               |  |
| 17       | 22,225-100 ГОСТ 3722-81         | 10                                  | Ball               |  |
| 18       | 85-3502036-01                   | 4                                   | Pressure plate     |  |
| 19       | 77.38.163                       | 6                                   | Spring             |  |
| 20       | B.M8-6gx25.58.019 ГОСТ 17475-80 | 6                                   | Screw              |  |
| 21       | ПК КГ <sup>3/8</sup> "          | 4                                   | Plug               |  |
| 22       | 1221M-3502035                   | 1                                   | Casing             |  |
| 23       | 85M-2407059-01                  | 1                                   | Cage cover (right) |  |
| 24       | 1221-1802091                    | 2                                   | Plug               |  |
| 25       | Д18-055-A                       | 2                                   | Seal ring          |  |

\* To be selected for ensuring the necessary gap during the assembling

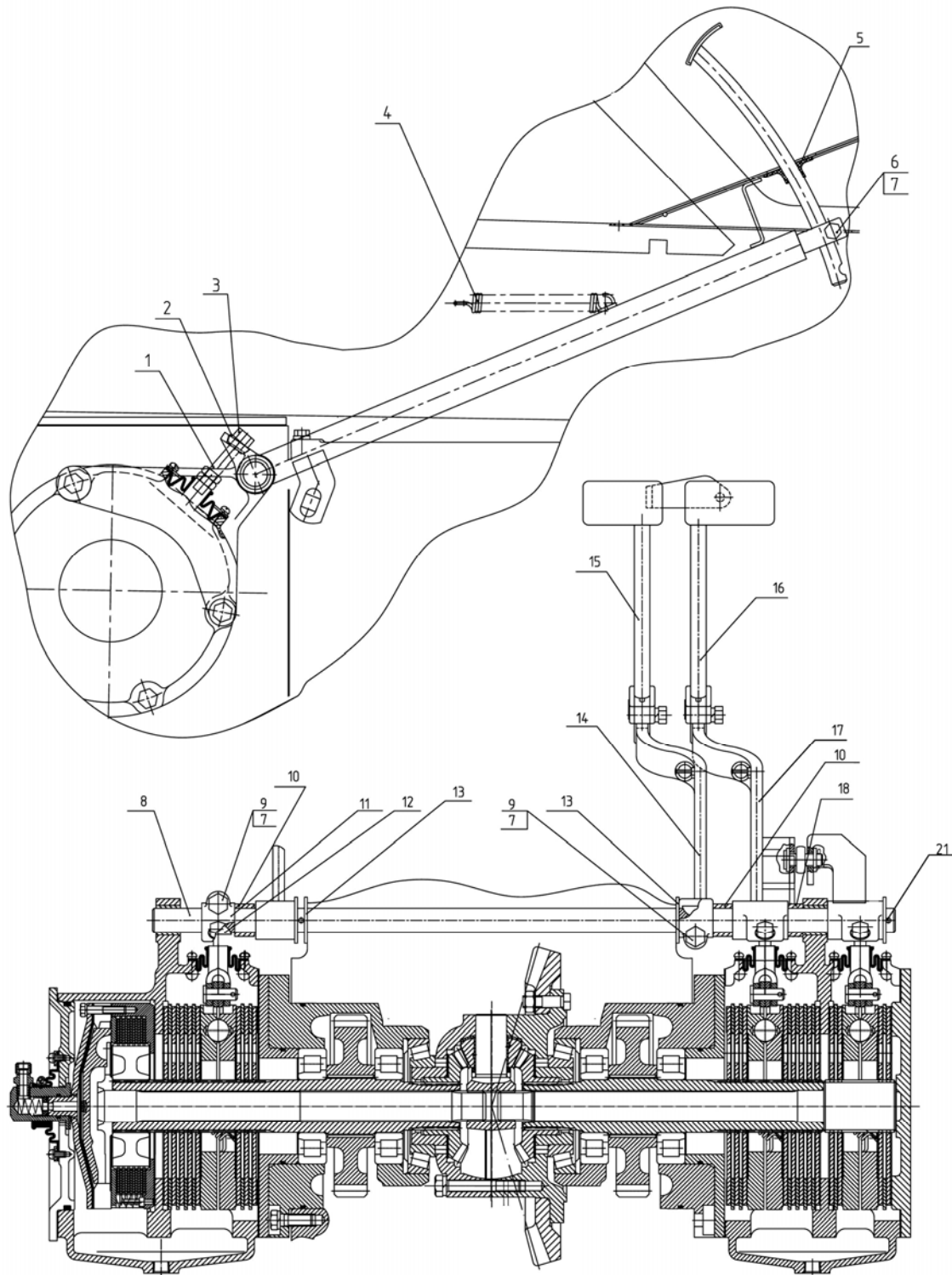


Fig. 35.4. Brakes. "Wet" brake control

**Group 35. Brakes  
Subgroup 3503. Brakes. "Wet" brake control**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--|-------------|--------------------|
| 35.4            |                 | 70-3503080                                 | 3           | Rod (1-3)          |
|                 | 1               | M12x1,25-6H.04.019 ГОСТ 5916-70            | 2           | Nut                |
|                 | 2               | 70-3503018                                 | 2           | Washer             |
|                 | 3               | 70-3503019                                 | 2           | Bolt               |
|                 | 4               | 50-1605152                                 | 2           | Spring             |
|                 | 5               | 80-3503158-A                               | 2           | Seal               |
|                 | 6               | M12-6gx30.88.35.019 ГОСТ 7796-70           | 2           | Bolt               |
|                 | 7               | 12 OT OCT 37.001.115-75                    | 4           | Washer             |
|                 | 8               | 1221M-3503015*<br>1221M-3503015-01**       | 1           | Roller             |
|                 | 9               | M12-6gx35.88.35.019 ГОСТ 7796-70           | 2           | Bolt               |
|                 | 10              | 1221M-3503016-01                           | 2           | Bush               |
|                 | 11              | 70-3503017-A                               | 1           | Lever              |
|                 | 12              | СШ-611                                     | 2           | Key 6x11           |
|                 | 13              | 50-3503071                                 | 4           | Washer             |
|                 | 14              | 80-3503120                                 | 1           | Lever              |
|                 | 15              | 80-3503140                                 | 1           | Left pedal         |
|                 | 16              | 80-3503130                                 | 1           | Right pedal        |
|                 | 17              | 80M-3503110                                | 1           | Lever              |
|                 | 18              | 1221M-3503016                              | 1           | Bush               |
|                 | 21              | 5x36.019 ГОСТ 397-79                       | 2           | Cotter pin         |

\* In case of installation of hydraulic control of the PTO

\*\* In case of installation of mechanical control of the PTO

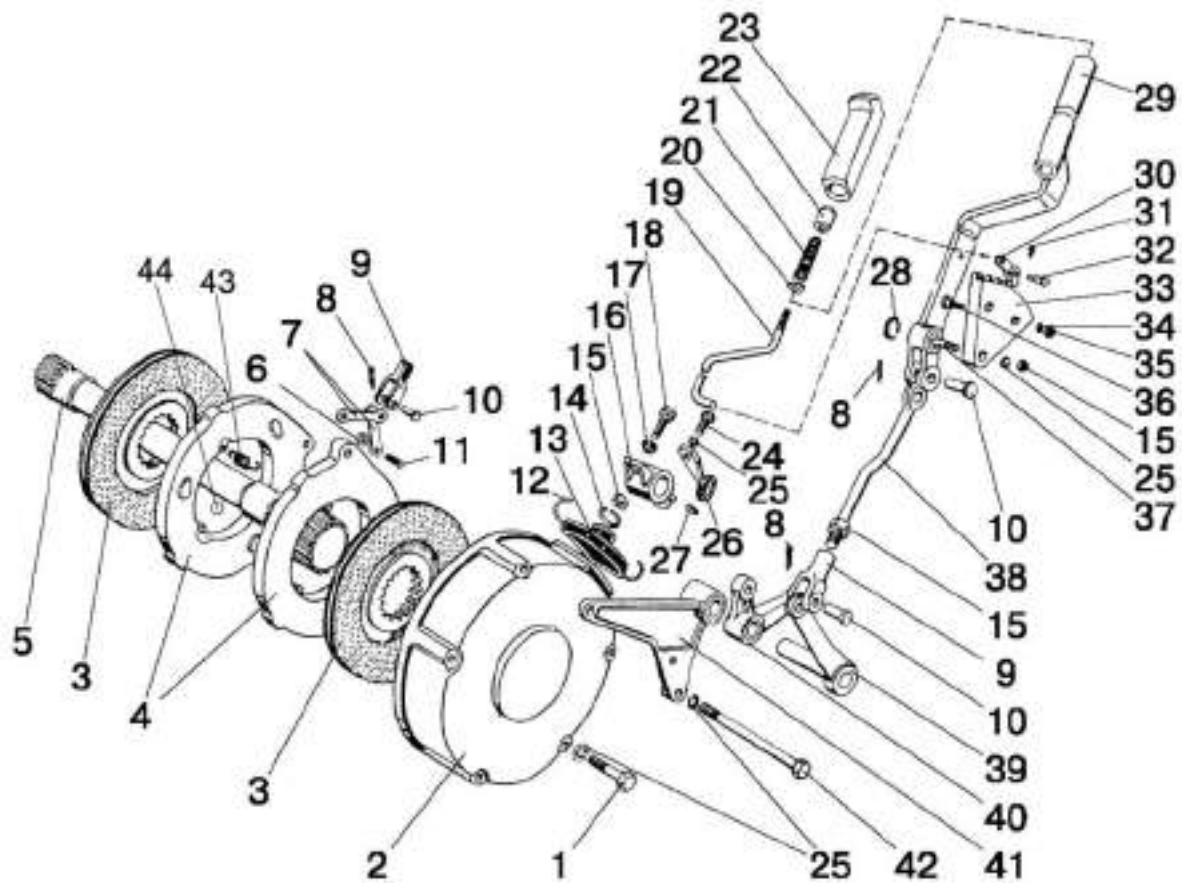


Fig. 35.5. Parking brake. Parking brake control

**Group 35. Brakes  
Subgroup 3504, 3507. Parking brake. Parking brake control**

| Fig. No. | Pos. No.                         | Designation   | Q-ty   | Description                      |
|----------|----------------------------------|---|--------|----------------------------------|
| 35.5     |                                  | 50-3502010  | 1      | Brake (2-4, 6-14, 43, 44)        |
|          |                                  | 50-3502030-A  | 1      | Pressure plate (4, 6-11, 43, 44) |
|          |                                  | 70-3503080  | 1      | Rod brakes (15, 17, 18)          |
|          |                                  | 85-3507120-01   | 1      | Lever (19-23, 29-32)             |
|          |                                  | 900-3507140*<br>80-3507240**  | 1      | Rod (9, 15, 38)                  |
|          |                                  | 85-3507150-02   | 1      | Bracket (16, 24-27, 39-41)       |
|          | 1                                | M12-6gx180.58.019 ГОСТ 7795-70*<br>M12-6gx200.58.019 ГОСТ 7795-70** | 3      | Bolt                             |
|          | 2                                | 50-3502035  | 1      | Housing                          |
|          | 3                                | 70-3502040-01 or<br>70-3502040-04                                   | 2      | Disk                             |
|          | 4                                | 50-3502036-Б  | 2      | Pressure plate                   |
|          | 5                                | 70-3504055*<br>70-3504055-01**                                      | 1      | Shaft                            |
|          | 6                                | M8-6H.6.019 ГОСТ 5915-70  | 2      | Nut                              |
|          | 7                                | 50-3502196  | 2      | Rod                              |
|          | 8                                | 3,2x18.019 ГОСТ 397-79  | 3      | Cotter pin                       |
|          | 9                                | 50-3502203  | 2      | Fork                             |
|          | 10                               | 12x32 OCT 37.001.163-75   | 3      | Pin                              |
|          | 11                               | 50-3502198  | 2      | Pin                              |
|          | 12                               | 1,6-O-C ГОСТ 3282-74  | 1      | Wire 300 mm                      |
|          | 13                               | 50-3502202  | 1      | Boot                             |
|          | 14                               | 36-1702358  | 1      | Spring ring                      |
|          | 15                               | M12x1,25-6H.6.019 ГОСТ 5915-70                                      | 3      | Nut                              |
|          | 16                               | 70-3503017-A  | 1      | Lever                            |
|          | 17                               | 70-3503018  | 1      | Washer                           |
|          | 18                               | 70-3503019  | 1      | Bolt                             |
|          | 19                               | 70-3507122-01   | 1      | Rod                              |
|          | 20                               | C 5.01.019 ГОСТ 11371-78  | 1      | Washer                           |
|          | 21                               | 55-17-27  | 1      | Spring                           |
|          | 22                               | A13.19.002  | 1      | Button                           |
|          | 23                               | A13.19.001-A  | 1      | Handle                           |
|          | 24                               | M12-6gx40.88.35.019 ГОСТ 7796-70                                    | 1      | Bolt                             |
|          | 25                               | 12 OT OCT 37.001.115-75   | 7      | Washer                           |
|          | 26                               | 70-3514107*<br>80-3514107**   | 1      | Lever                            |
|          | 27                               | СШ-611  | 1      | Key                              |
|          | 28                               | C15 ГОСТ 13940-86   | 1      | Ring                             |
|          | 29                               | 85-3507130-01   | 1      | Lever                            |
|          | 30                               | 50-1606026  | 1      | Latch                            |
|          | 31                               | 2x12.019 ГОСТ 397-79  | 1      | Cotter pin                       |
|          | 32                               | 70-3507024  | 1      | Axle                             |
|          | 33                               | 70-3507021 –Б   | 1      | Sector                           |
| 34       | 10 OT OCT 37.001.115-75          | 2   | Washer |                                  |
| 35       | M10-6H.6.019 ГОСТ 5915-70        | 2   | Nut    |                                  |
| 36       | M10-6gx35.88.35.019 ГОСТ 7796-70 | 2   | Bolt   |                                  |
| 37       | 70-3507132-Б-01                  | 1   | Axle   |                                  |
| 38       | 900-3507141*<br>80-3507241**     | 1   | Rod    |                                  |
| 39       | 85-3507060                       | 1   | Lever  |                                  |

\* In case of installation of twin-disk brakes

\*\* In case of installation of three-disk brakes

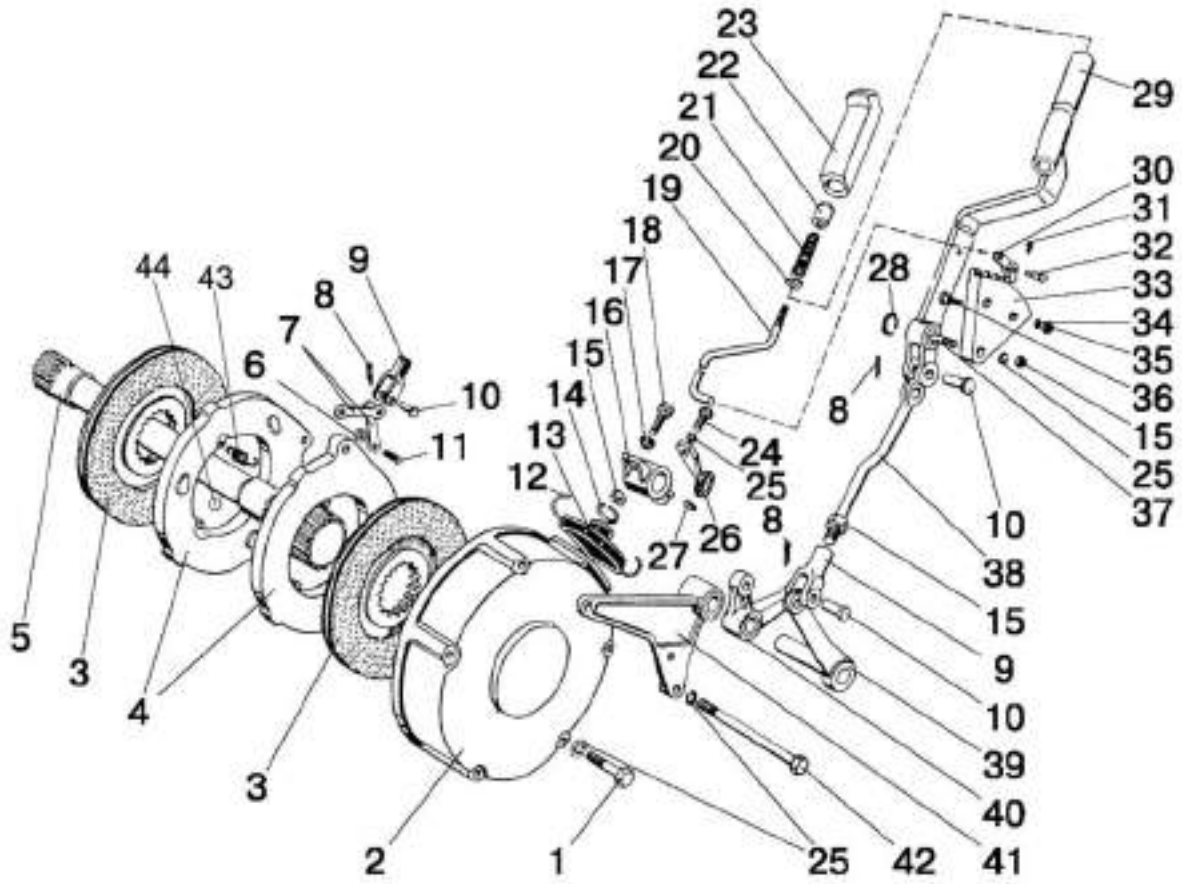


Fig. 35.5. Parking brake. Parking brake control



**Group 35. Brakes  
Subgroup 3504, 3507. Parking brake. Parking brake control**

| <b>Fig. No.</b> | <b>Pos. No.</b>         | <b>Designation</b>                                   | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-------------------------|--|-------------|--------------------|
| 35.5            | 40                      | 80-4216050*(***)                                     | 1           | Hub                |
|                 |                         | 80-4216050-Б**(***)                                  |             |                    |
|                 |                         | 1221-3507072****                                     | 1           | Bush               |
|                 | 41                      | 70-3507070***  | 1           | Bracket            |
|                 |                         | 70-3507070-01****                                    |             |                    |
|                 | 42                      | M12-6gx200.58.019 ГОСТ 7795-70*<br>1522-2409034-03** | 2           | Bolt               |
| 43              | 77.38.163               | 3  | Spring      |                    |
| 44              | 22,225-100 ГОСТ 3722-81 | 3  | Ball        |                    |

\* In case of installation of twin-disk brakes

\*\* In case of installation of three-disk brakes

\*\*\* Mechanical control of the PTO

\*\*\*\* Hydraulic control of the PTO

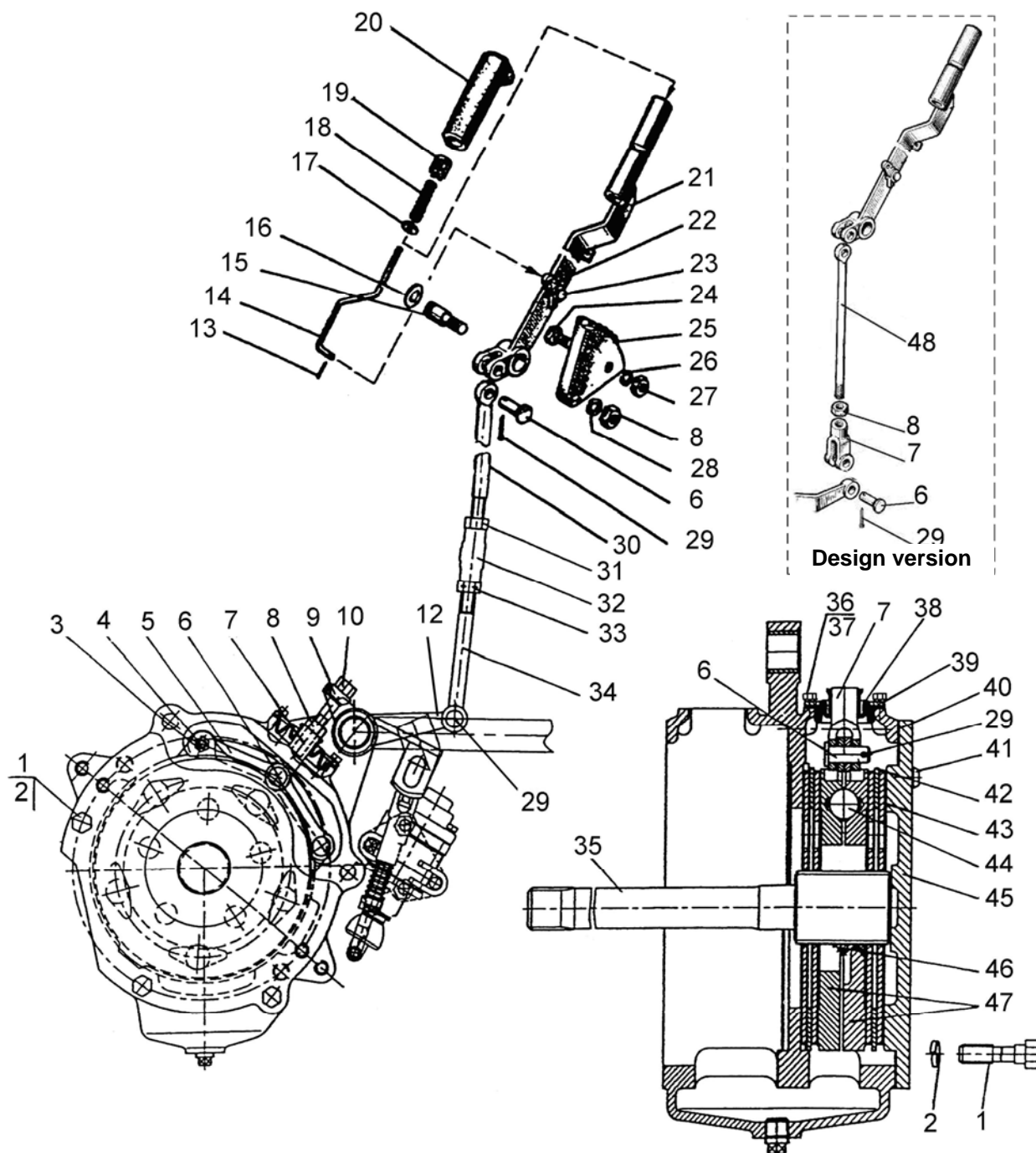


Fig.35.6. Parking brake. Parking brake control (for wet brakes)

**Group 35. Brakes  
Subgroup 3504, 3507. Parking brake.  
Parking brake control (for wet brakes)**

| Fig. No. | Pos. No.       | Number of the assembly unit or part | Q-ty                         | Description                          |
|----------|----------------|-------------------------------------|------------------------------|--------------------------------------|
| 35.6     |                | 952M-3507140**                      | 1                            | Rod (7, 8, 48)                       |
|          |                | 85-3502030-01                       | 1                            | Pressure plate (3-7, 29, 44, 46, 47) |
|          |                | 952M-3507040*                       | 1                            | Rod (30-34)                          |
|          |                | 70-3503080                          | 1                            | Rod brakes (8-10)                    |
|          |                | 85-3507120-01                       | 1                            | Lever (13-14,17-23)                  |
|          | 1              | 1221M-3502039-01                    | 5                            | Bolt                                 |
|          | 2              | 14 OT OCT 37.001.115-75             | 5                            | Washer                               |
|          | 3              | M8-6H.6.019 ГОСТ 5915-70            | 2                            | Nut                                  |
|          | 4              | 50-3502198                          | 2                            | Pin                                  |
|          | 5              | 85-3502196                          | 2                            | Rod                                  |
|          | 6              | 12x32 OCT 37.001.163-75             | 2*/3**                       | Pin                                  |
|          | 7              | 50-3502203                          | 1*/2**                       | Fork                                 |
|          | 8              | M12x1,25-6H.6.019 ГОСТ 5916-70      | 2*/3**                       | Nut                                  |
|          | 9              | 70-3503018                          | 1                            | Washer                               |
|          | 10             | 70-3503019                          | 1                            | Bolt                                 |
|          | 12             | 1221M-3507060                       | 1                            | Lever                                |
|          | 13             | 2x12.019 ГОСТ 397-79                | 1                            | Cotter pin                           |
|          | 14             | 70-3507122-01                       | 1                            | Rod                                  |
|          | 15             | 70-3507132-Б-01                     | 1                            | Axle                                 |
|          | 16             | C15 ГОСТ 13942-86                   | 1                            | Ring                                 |
|          | 17             | C 5.01.019 ГОСТ 6958-78             | 1                            | Washer                               |
|          | 18             | 55-17-27                            | 1                            | Spring                               |
|          | 19             | A13.19.002                          | 1                            | Button                               |
|          | 20             | A13.19.001-A                        | 1                            | Handle                               |
|          | 21             | 85-3507130-01                       | 1                            | Lever                                |
|          | 22             | 50-1606026                          | 1                            | Latch                                |
|          | 23             | 70-3507024                          | 1                            | Axle                                 |
|          | 24             | M10-6gx35.88.35.019 ГОСТ 7796-70    | 2                            | Bolt                                 |
|          | 25             | 70-3507021-Б                        | 1                            | Sector                               |
|          | 26             | 10 OT OCT 37.001.115-75             | 2                            | Washer                               |
|          | 27             | M10-6H.6.019 ГОСТ 5915-70           | 2                            | Nut                                  |
|          | 28             | 12 OT OCT 37.001.115-75             | 1                            | Washer                               |
|          | 29             | 3,2x18.019 ГОСТ 397-79              | 3                            | Cotter pin                           |
|          | 30             | 952M-3507041*                       | 1                            | Rod                                  |
|          | 31             | M12-6H.6.019 ГОСТ 5915-70*          | 1                            | Nut                                  |
|          | 32             | P50-4616043*                        | 1                            | Coupling                             |
|          | 33             | P50-4616038*                        | 1                            | Nut                                  |
|          | 34             | 952M-3507240*                       | 1                            | Rod                                  |
|          | 35             | 1221M-3504055                       | 1                            | Shaft                                |
|          | 36             | M6-6gx12.88.35.019 ГОСТ 7798-70     | 4                            | Bolt                                 |
|          | 37             | 6T OCT 37.001.115-75                | 4                            | Washer                               |
| 38       | 80M-3502202    | 1                                   | Boot                         |                                      |
| 39       | 80M-3502204    | 1                                   | Plate                        |                                      |
| 40       | 1221M-3502051  | 1                                   | Gasket                       |                                      |
| 41       | 50-1601352     | 2                                   | Setting pin                  |                                      |
| 42       |                | 80M-3502037                         | 2                            | Intermediate disk (S=3.0 mm)         |
|          |                | 80M-3502037-01                      | ***                          | Intermediate disk (S=3.2 mm)         |
|          |                | 80M-3502037-02                      | ***                          | Intermediate disk (S=3.4 mm)         |
|          |                | 80M-3502037-03                      | ***                          | Intermediate disk (S=3.6 mm)         |
|          |                | 80M-3502037-04                      | ***                          | Intermediate disk (S=3.8 mm)         |
|          |                | 80M-3502037-05                      | ***                          | Intermediate disk (S=4.0 mm)         |
|          |                | 80M-3502037-06                      | ***                          | Intermediate disk (S=4.2 mm)         |
|          | 80M-3502037-07 | ***                                 | Intermediate disk (S=4.4 mm) |                                      |

\* In case of installation of the two-lever gearbox

\*\* In case of installation of the single-lever gearbox

\*\*\* To be selected for ensuring the necessary gap during the assembling

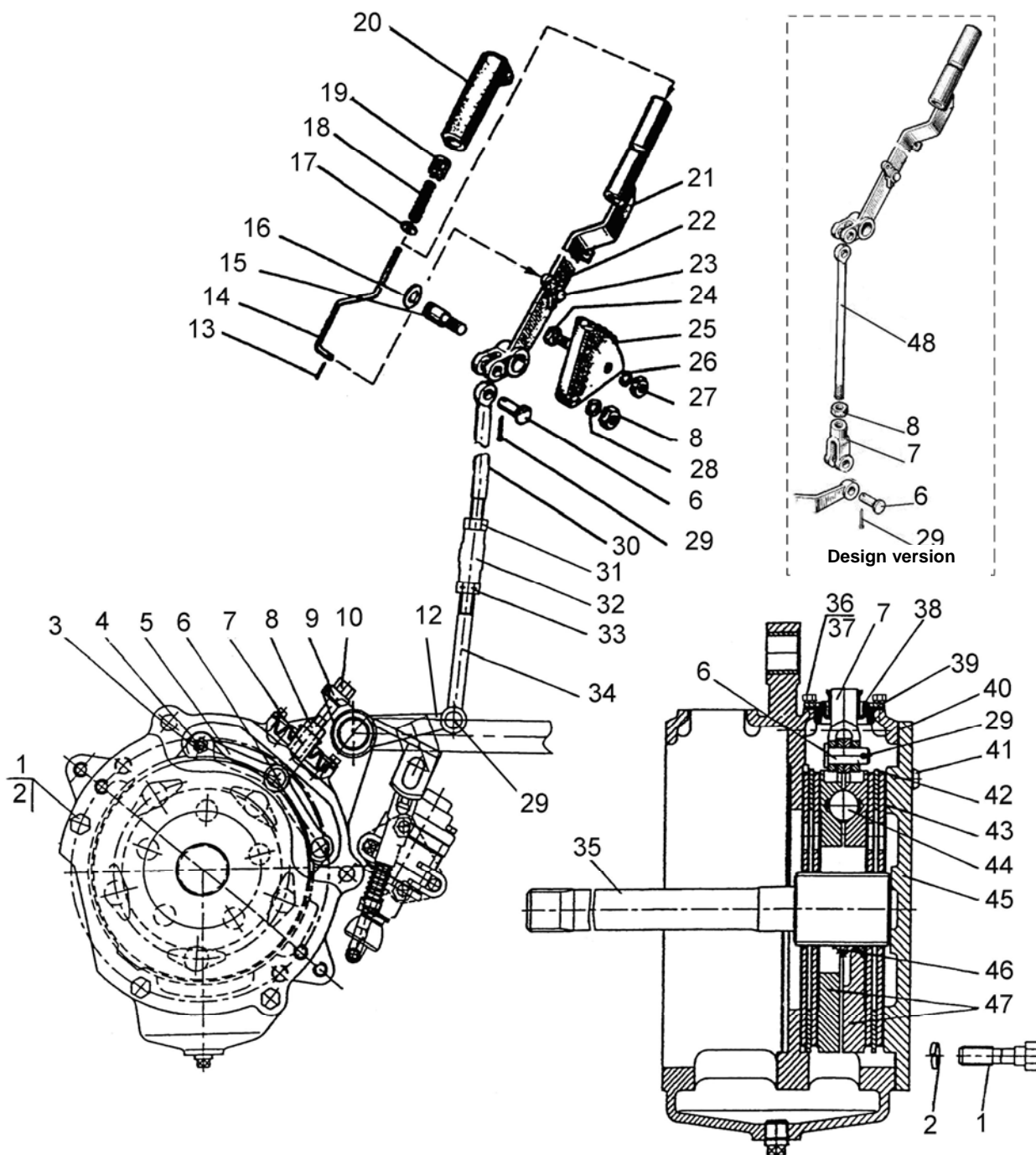


Fig.35.6. Parking brake. Parking brake control (for wet brakes)

**Group 35. Brakes**  
**Subgroup 3504, 3507. Parking brake.**  
**Parking brake control (for wet brakes)**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--|-------------|--------------------|
| 35.6            | 43              | 1522-3502015-07                            | 4           | Disk               |
|                 | 44              | 22,225-100 ГОСТ 3722-81                    | 5           | Ball               |
|                 | 45              | 1221M-3502034                              | 1           | Cover              |
|                 | 46              | 77.38.163                                  | 3           | Spring             |
|                 | 47              | 85-3502036-01                              | 2           | Pressure plate     |
|                 | 48              | 952M-3507141**                             | 1           | Rod                |

\* In case of installation of the two-lever gearbox

\*\* In case of installation of the single-lever gearbox

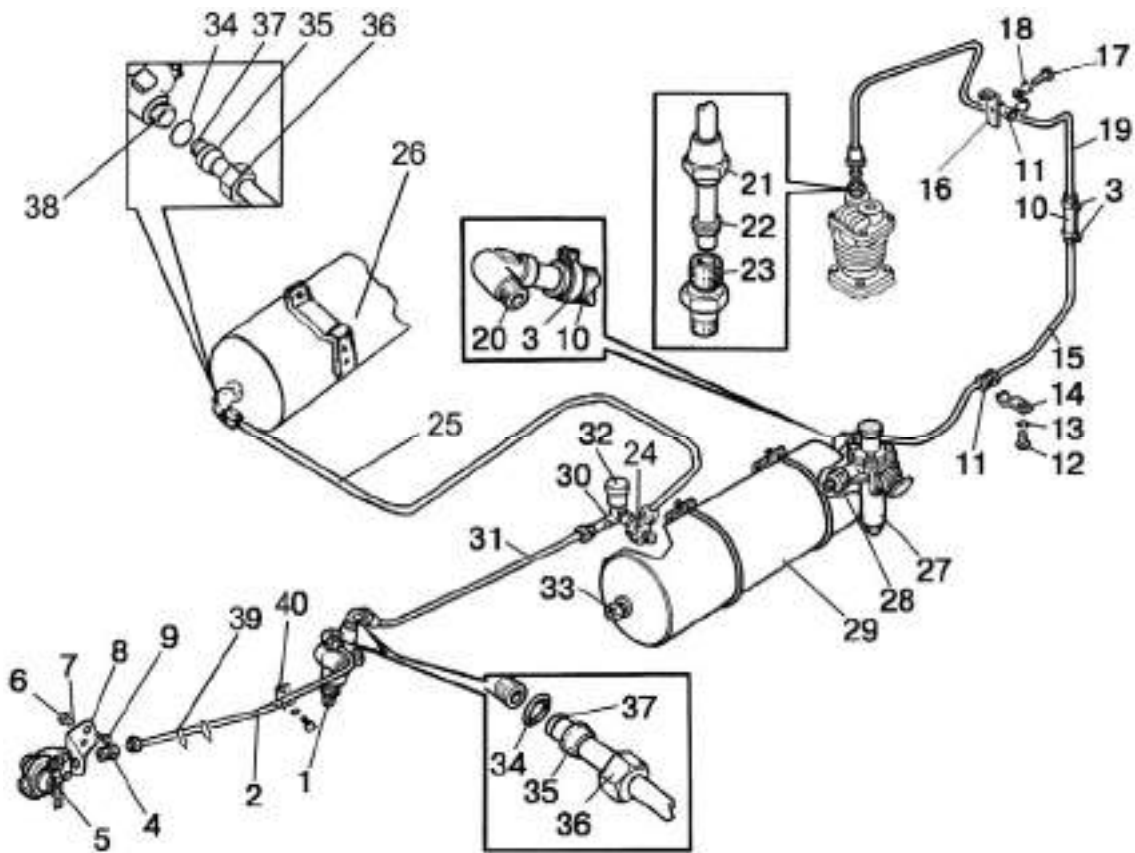


Fig. 35.7. Pipelines and fittings of the single-line pneumatic actuator of the trailer brakes

**Group 35. Brakes**

**Subgroup 3506. Pipelines and fittings for single-line pneumatic actuator of the trailer brakes**

| Fig. No. | Pos. No.       | Number of the assembly unit or part  | Q-ty        | Description                   |
|----------|----------------|--------------------------------------|-------------|-------------------------------|
| 35.7     |                | 1021-3506020-01                      | 1           | Pipeline (2, 35-37)           |
|          |                | 80-3506455                           | 1           | Pipeline (31, 35-37)          |
|          |                | 80-3506220                           | 1           | Pipeline (19, 21, 22)         |
|          |                | 923-3506020**                        | 1           | Pipeline (25, 35-37)          |
|          | 1              | A29.3514010 or 80-3514010            | 1           | Brake valve                   |
|          | 2              | 1021-3506021-01                      | 1           | Tube                          |
|          | 3              | 5000.02                              | 8           | Clamp with worm thread 16-27  |
|          | 4              | 1522-3521012                         | 1           | Connecting pipe               |
|          | 5              | A29.76.000 or 80-3521010             | 1           | Connecting head               |
|          | 6              | M10-6H.6.019 ГОСТ 5915-70            | 2           | Nut                           |
|          | 7              | 10 OT OCT 37.001.115-75              | 2           | Washer                        |
|          | 8              | 70-3521012                           | 1           | Bracket                       |
|          | 9              | M10-6gx25.88.35.019 ГОСТ 7796-70     | 2           | Bolt                          |
|          | 10             | 70-1405013                           | 2           | Hose                          |
|          | 11             | 70-3506027                           | 2           | Bush                          |
|          | 12             | M8-6gx16.88.35.019 ГОСТ 7796-70      | 1 (2*)      | Bolt                          |
|          | 13             | 8T OCT 37.001.115-75                 | 2 (3*)      | Washer                        |
|          | 14             | 70-6804011                           | 2           | Holder                        |
|          | 15             | 80-3506041                           | 1           | Pipeline                      |
|          | 16             | M80-4607018                          | 1           | Bracket                       |
|          | 17             | M8-6gx20.88.35.019 ГОСТ 7796-70      | 1           | Bolt                          |
|          | 18             | C 8.01.019 ГОСТ 11371-78             | 1           | Washer                        |
|          | 19             | 80-3506221                           | 1           | Pipeline                      |
|          | 20             | 70-3513015                           | 1           | Angle piece                   |
|          | 21             | 70-3506023                           | 1           | Sleeve nut                    |
|          | 22             | 80-3506024                           | 1           | Coupling                      |
|          | 23             | 70-3506022                           | 1           | Connecting pipe               |
|          | 24             | 80-3513050**                         | 1           | T-branch                      |
|          | 25             | 923-3506021**                        | 1           | Tube                          |
|          | 26             | 50-3513015-A**                       | 1           | Bottle                        |
|          | 27             | A29.51.000 Б or 80-3512010           | 1           | Pressure control              |
|          | 28             | 80-3512006                           | 1           | Locknut                       |
|          | 29             | 80-3513010                           | 1           | Bottle                        |
|          | 30             | 80-3513025                           | 1           | T-branch                      |
|          | 31             | 80-3506454                           | 1           | Tube                          |
|          | 32             | ДД10-01-Е                            | 1           | Air pressure sensor           |
|          | 33             | ДАДВ                                 | 1           | Emergency air pressure sensor |
|          | 34             | 012-015-19-2-4 ГОСТ 18829-73/9833-73 | 4 (6**)     | Ring                          |
|          | 35             | 1522-3506024                         | 4 (6**)     | Coupling                      |
|          | 36             | 1522-3506023                         | 4 (6**)     | Sleeve nut                    |
| 37       | 1522-3506022   | 4 (6**)                              | Nipple      |                               |
| 38       | 1522-3514033** | 1                                    | Angle piece |                               |
| 39       | 80-3723045-01  | 2                                    | Cuff        |                               |
| 40       | 70-4802046*    | 1                                    | Clamp       |                               |

\* "Wet" brakes.

\*\* Optionally.

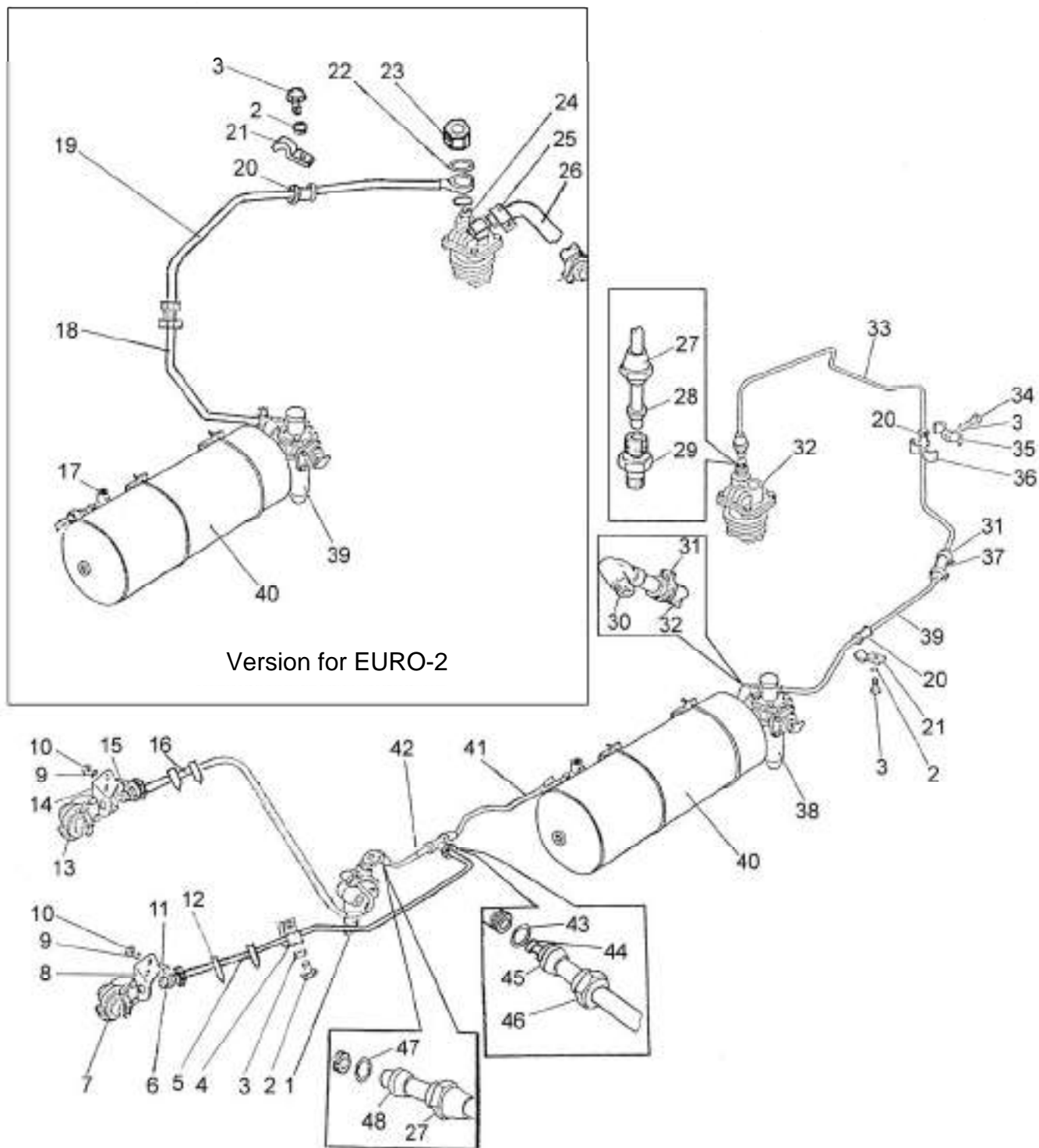


Fig. 35.8. Pipelines and fittings of the two-line pneumatic actuator of the trailer brakes



**Group 35. Brakes**

**Subgroup 3506. Pipelines and fittings of the two-line pneumatic actuator of the trailer brakes**

| Fig. No. | Pos. No.                             | Number of the assembly unit or part  | Q-ty       | Description                  |
|----------|--------------------------------------|--------------------------------------|------------|------------------------------|
| 35.8     |                                      | 1025-3506560-01                      | 1          | Pipeline (5, 44-46)          |
|          |                                      | 1025-3506560-02                      | 1          | Pipeline (16, 44-46)         |
|          |                                      | 80-3506220                           | 1          | Pipeline (27, 28, 33)        |
|          |                                      | 1021-350602-06                       | 1          | Pipeline (41, 44-46)         |
|          |                                      | 1025-3506540                         | 1          | Pipeline (27, 28, 42)        |
|          | 1                                    | A29.351.4010-02 or<br>80-3514010-02  | 1          | Brake valve                  |
|          | 2                                    | M8-6gx16.88.35.019 ГOCT 7796-70      | 1 (2*)     | Bolt                         |
|          | 3                                    | 8T OCT 37.001.115-75                 | 2 (3*)     | Washer                       |
|          | 4                                    | 70-4802046*                          | 1          | Clamp                        |
|          | 5                                    | 1025-3506561-01                      | 1          | Tube                         |
|          | 6                                    | 1522-3521513                         | 2          | Connecting pipe              |
|          | 7                                    | 64226-3521110                        | 1          | Connecting head              |
|          | 8                                    | 1025-3521511                         | 1          | Bracket                      |
|          | 9                                    | 10 OT OCT 37.001.115-75              | 4          | Washer                       |
|          | 10                                   | M10-6H.6.019 ГOCT 5915-70            | 4          | Nut                          |
|          | 11                                   | M10-6gx25.88.35.019 ГOCT 7796-70     | 2          | Bolt                         |
|          | 12                                   | 80-3723045-01                        | 4          | Cuff                         |
|          | 13                                   | 64226-3521111                        | 1          | Connecting head              |
|          | 14                                   | 1025-3521512                         | 1          | Bracket                      |
|          | 15                                   | B.M8-6gx25.58.019 ГOCT 17475-80      | 2          | Screw                        |
|          | 16                                   | 1025-3506561-02                      | 1          | Tube                         |
|          | 17                                   | 80-3513025                           | 1          | T-branch                     |
|          | 18                                   | 1025-3506620**                       | 1          | Pipeline                     |
|          | 19                                   | 1025-3506610**                       | 1          | Pipeline                     |
|          | 20                                   | 70-3506027                           | 3 (1**)    | Bush                         |
|          | 21                                   | 70-6804011                           | 1          | Holder                       |
|          | 22                                   | 40-4607038A**                        | 2          | Washer                       |
|          | 23                                   | 1025-3506623**                       | 1          | Nut                          |
|          | 24                                   | 1025-3506622**                       | 1          | Connecting pipe              |
|          | 25                                   | 5000.04                              | 2          | Clamp with worm thread 25-40 |
|          | 26                                   | 1025-3506624                         | 1          | Hose                         |
|          | 27                                   | 70-3506023                           | 2 (1**)    | Nut                          |
|          | 28                                   | 80-3506024                           | 1          | Coupling                     |
|          | 29                                   | 70-3506022                           | 1          | Connecting pipe              |
|          | 30                                   | 70-3513015                           | 1          | Angle piece                  |
|          | 31                                   | 5000.02                              | 4          | Clamp with worm thread 16-27 |
|          | 32                                   | A29.01.000 or A29.05.000-B           | 1          | Compressor                   |
|          | 33                                   | 80-3506221                           | 1          | Pipeline                     |
|          | 34                                   | M8-6gx30.88.35.019 ГOCT 7796-70      | 1          | Bolt                         |
|          | 35                                   | 70-3407146                           | 1          | Slat                         |
|          | 36                                   | 70-3407144                           | 1          | Threaded slat                |
|          | 37                                   | 70-1405013                           | 4          | Hose                         |
|          | 38                                   | 80-3506041                           | 1          | Pipeline                     |
|          | 39                                   | A29.51.000 Б or 80-3512010           | 1          | Pressure control             |
|          | 40                                   | 80-3513010                           | 1          | Bottle                       |
|          | 41                                   | 1021-3506021-06                      | 1          | Tube                         |
|          | 42                                   | 1025-3506550                         | 1          | Pipeline                     |
|          | 43                                   | 012-015-19-2-4 ГOCT 18829-73/9833-73 | 6          | Ring                         |
| 44       | 1522-3506022                         | 6                                    | Nipple     |                              |
| 45       | 1522-3506024                         | 6                                    | Coupling   |                              |
| 46       | 1522-3506023                         | 6                                    | Sleeve nut |                              |
| 47       | 014-017-19-2-4 ГOCT 18829-73/9833-73 | 1                                    | Ring       |                              |
| 48       | 70-3506028                           | 1                                    | Coupling   |                              |

\* "Wet" brakes

\*\* Version for EURO-2

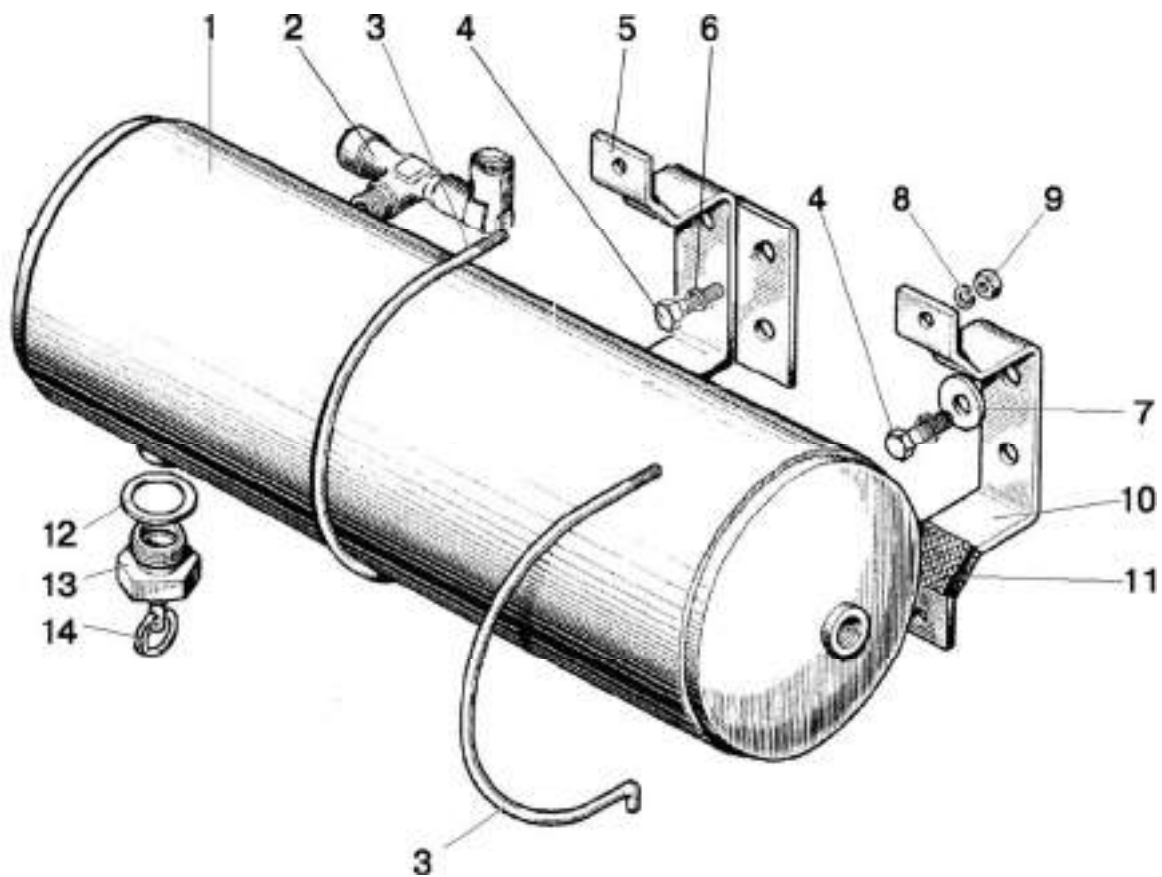


Fig. 35.9. Bottle

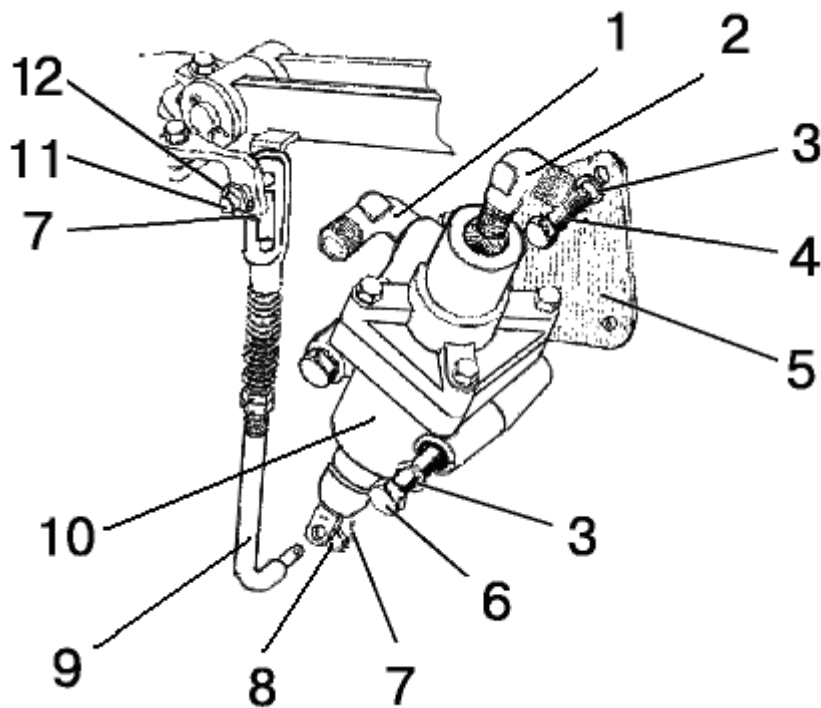


Fig. 35.10. Brake valve (for single-line pneumatic actuator)

**Group 35. Brakes  
Subgroup 3513. Bottle**

| Fig. No. | Pos. No. | Number of the assembly unit or part | Q-ty   | Description |
|----------|----------|-------------------------------------|--------|-------------|
| 35.9     | 1        | 85-3513010                          | 1      | Bottle      |
|          | 2        | 80-3513025                          | 1      | T-branch    |
|          | 3        | B50-3513032                         | 2 (4*) | Clamp       |
|          | 4        | M16-6gx32.88.35.019 ГОСТ 7796-70    | 4 (8*) | Bolt        |
|          | 5        | 80-3513040                          | 1 (2*) | Bracket     |
|          | 6        | 16 OT OCT 37.001.115-75             | 4 (8*) | Washer      |
|          | 7        | C 16.01.019 ГОСТ 11371-78           | 1 (2*) | Washer      |
|          | 8        | 6T OCT 37.001.115-75                | 2 (4*) | Washer      |
|          | 9        | M6-6H.6.019 ГОСТ 5915-70            | 2 (4*) | Nut         |
|          | 10       | B50-3513025-A                       | 1 (2*) | Bracket     |
|          | 11       | ПП-43-01                            | 4 (8*) | Seal        |
|          | 12       | B50-3522023                         | 1 (2*) | Gasket      |
|          | 13       | 85-3513110                          | 1 (2*) | Valve       |
|          | 14       | H50-4202146                         | 1 (2*) | Ring        |

\* Optionally

**Group 35. Brakes  
Subgroup 3514. Brake valve (for single-line pneumatic actuator)**

| Fig. No. | Pos. No.                                 | Number of the assembly unit or part   | Q-ty        | Description |
|----------|--|---------------------------------------|-------------|-------------|
| 35.10    | 1  | 1522-3514033                          | 2 (1***)    | Angle piece |
|          | 2  | 70-3506033                            | 1***        | Angle piece |
|          | 3  | 10 OT OCT 37.001.115-75               | 4           | Washer      |
|          | 4  | M10-6gx40.88.35.019 ГОСТ 7796-70      | 2           | Bolt        |
|          | 5  | 80-3514109                            | 1           | Bracket     |
|          |  | 80M-3514109**                         | 1           | Bracket     |
|          | 6  | M10-6gx70.88.35.019 ГОСТ 7795-70      | 2           | Bolt        |
|          | 7  | 3,2x18.019 ГОСТ 397-79                | 2           | Cotter pin  |
|          | 8  | C 8.01.019 ГОСТ 11371-78              | 1           | Washer      |
|          | 9  | 80-3514130                            | 1           | Rod         |
|          | 10                                       | A29.3514010 or<br>80-3514010          | 1           | Brake valve |
|          |  | A29.351.4010-01* or<br>80-3514010-01* | 1           | Brake valve |
|          | A29.3514010-02*** or<br>80-3514010-02*** | 1                                     | Brake valve |             |
| 11       | 12x48 OCT 37.001.163-75                  | 1                                     | Pin         |             |
| 12       | C 12.01.019 ГОСТ 11371-78                | 2                                     | Washer      |             |

\* Optionally

\*\* "Wet" brakes

\*\*\* For two-line pneumatic actuator

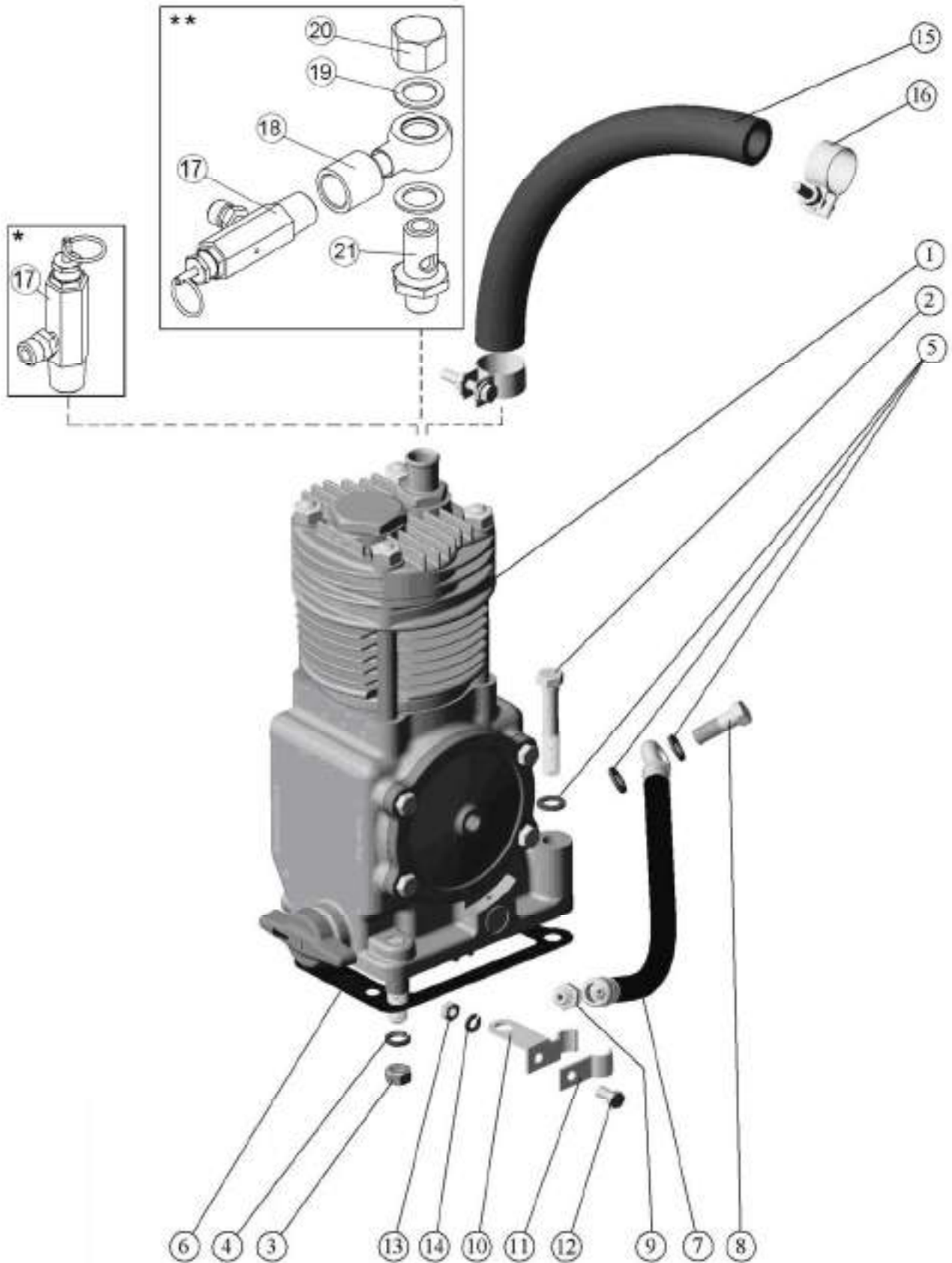


Fig.35.11. Compressor

**Group 35. Brakes  
Subgroup 3509. Compressor**

| Fig. No. | Pos. No.        | Number of the assembly unit or part | Q-ty            | Description                   |
|----------|-----------------|-------------------------------------|-----------------|-------------------------------|
| 35.11    |                 | 240-3509030-A                       | 1               | Pneumatic compressor assembly |
|          | 1               | A29.05.000-B3A                      | 1               | Pneumatic compressor          |
|          | 2               | M10-6gx45                           | 1               | Bolt                          |
|          | 3               | M10-6H                              | 3               | Nut                           |
|          | 4               | 10 65Г 06                           | 3               | Washer                        |
|          | 5               | 36-1104788                          | 3               | Gasket                        |
|          | 6               | 240-3509037-A                       | 1               | Gasket                        |
|          | 7               | 240-3509150                         | 1               | Oil pipeline (L=352 mm)       |
|          | 8               | 36-1104787                          | 1               | Connecting pipe bolt          |
|          | 9               | 240-3509232                         | 1               | Connecting pipe               |
|          | 10              | 240-3509158                         | 1               | Clamp                         |
|          | 11              | 240-3509159                         | 1               | Cramp                         |
|          | 12              | M6-6gx16                            | 1               | Bolt                          |
|          | 13              | M6-6H                               | 1               | Nut                           |
|          | 14              | 6 65Г 06                            | 1               | Washer                        |
|          | 15              | РД 18-29-300-1,3                    | 1               | Hose pipe piece               |
|          | 16              | XC-26.019                           | 2               | Binding screw clamp           |
|          | 17              | 80-3509010 *                        | 1               | Valve                         |
|          | 18              | 920-3509020 **                      | 1               | Angle piece                   |
|          | 19              | 40-4607038-A **                     | 2               | Washer                        |
|          | 20              | 1025-3506623 **                     | 1               | Nut                           |
| 21       | 1025-3506622 ** | 1                                   | Connecting pipe |                               |

\* The valve for inflating the tyres is installed in case of absence of the pneumatic actuator.

\*\* In case of absence of the pneumatic actuator and air-conditioner compressor.

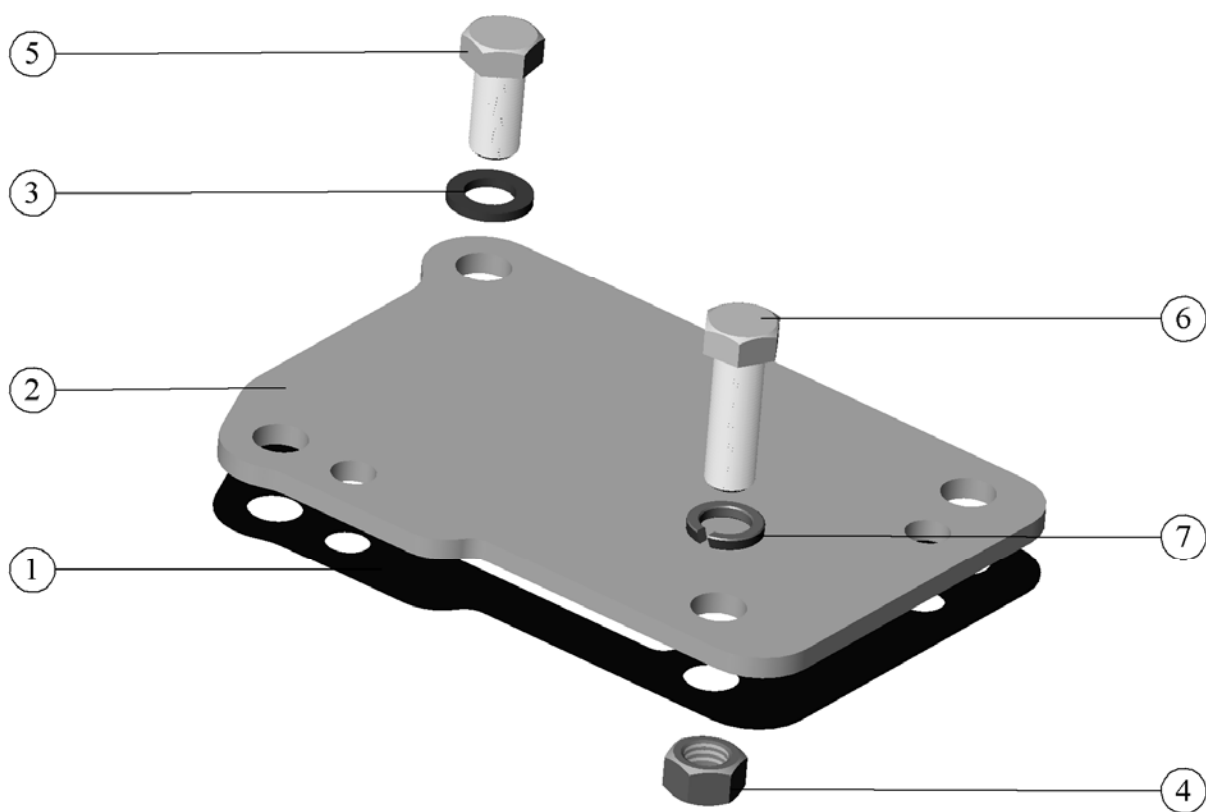


Fig. 35.12. Choke assembly (for tractors without pneumatic compressor)

**Group 35. Brakes**  
**Subgroup 3509. Choke assembly**  
**(For tractors without pneumatic compressor)**

| Fig. No. | Pos. No. | Number of the assembly unit or part | Q-ty | Description    |
|----------|----------|-------------------------------------|------|----------------|
| 35.12    |          | 240-3509020                         | 1    | Choke assembly |
|          | 1        | 240-3509037-A                       | 1    | Gasket         |
|          | 2        | 240-3509041                         | 1    | Cover          |
|          | 3        | 36-1104788                          | 1    | Gasket         |
|          | 4        | M10-6H.6.016(S16)                   | 3    | Nut            |
|          | 5        | M10x20                              | 1    | Bolt           |
|          | 6        | M10x30                              | 3    | Bolt           |
|          | 7        | 10 65Г 06                           | 3    | Washer         |

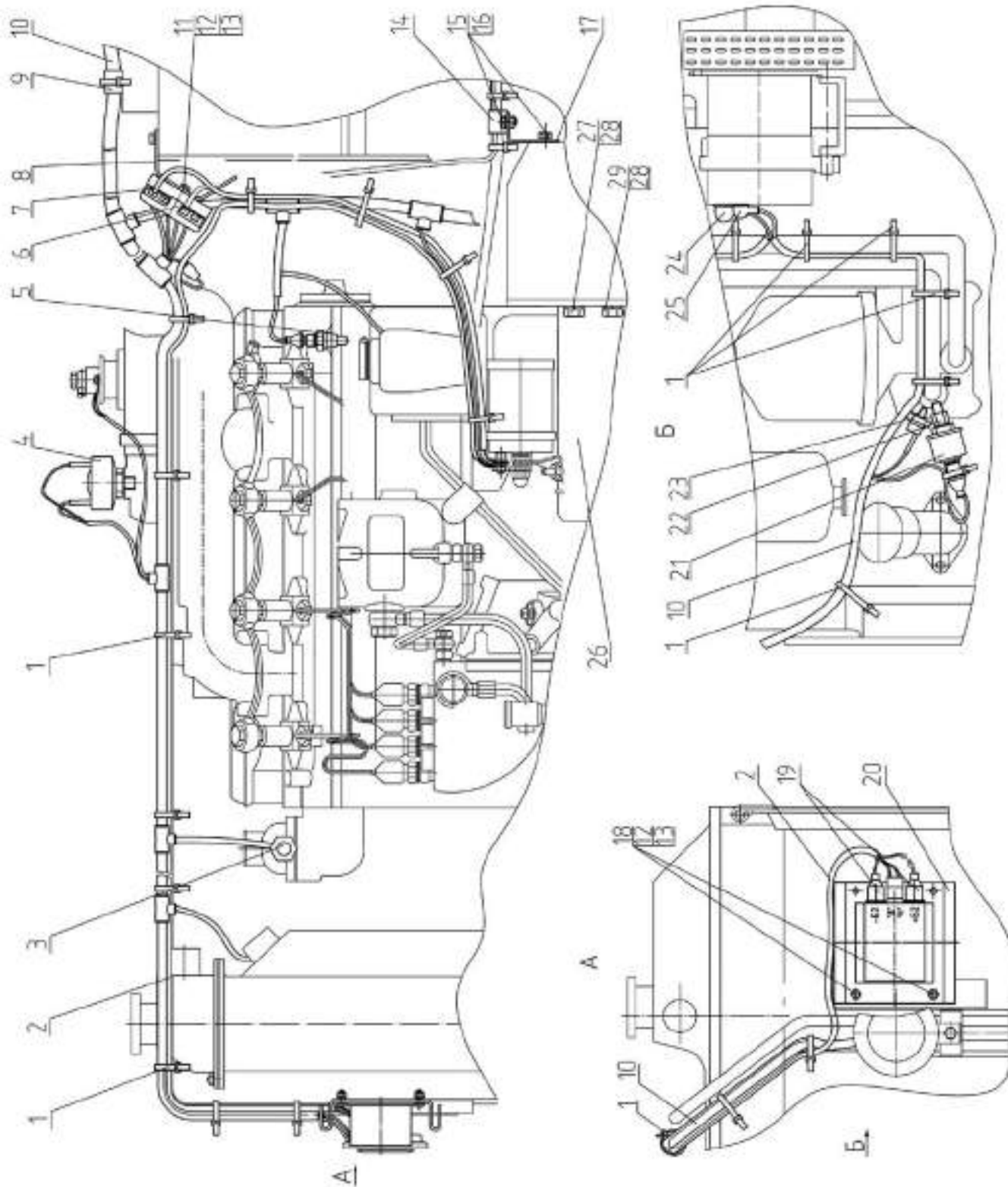


Fig. 37.1 Electric equipment for the engine



**Group 37. Electric equipment  
Subgroup 3709, 3710. Electric equipment for the engine**

| Fig. No. | Pos. No.                         | Designation                      | Q-ty   | Description                                |
|----------|----------------------------------|----------------------------------|--------|--|
| 37.1     |                                  | 80-3700030-Г                     |        | Electric equipment for the engine assembly |
|          | 1                                | 80-3723045-01                    | 21     | Cuff                                       |
|          | 2                                | 80-3724345-B*                    | 1      | Bundle                                     |
|          | 3                                | 3844.10                          | 1      | Emergency temperature sensor               |
|          | 4                                | 3845.10                          | 1      | Air cleaner clogging sensor                |
|          | 5                                | 3828.10                          | 1      | Temperature indicator sensor               |
|          | 6                                | 3722.40                          | 1      | Fuse box                                   |
|          | 7                                | 80-3724368-Б                     | 1      | Wire                                       |
|          | 8                                | 80-3747021                       | 1      | Bracket                                    |
|          | 9                                | 80-3723016                       | 1      | Bracket                                    |
|          | 10                               | 80-3724360-Ж                     | 1      | Bundle                                     |
|          | 11                               | B.M6-6gx20.58.019 ГОСТ 17473-80  | 2      | Screw                                      |
|          | 12                               | M6-6H.6.019 ГОСТ 5915-70         | 2/4*   | Nut  |
|          | 13                               | 6T OCT 37.001.115-75             | 2/4*   | Washer                                     |
|          | 14                               | 822-3723044                      | 1      | Buckle                                     |
|          | 15                               | M8-6gx16.88.35.019 ГОСТ 7796-70  | 2      | Bolt                                       |
|          | 16                               | 8T OCT 37.001.115-75             | 2      | Washer                                     |
|          | 17                               | 70-4802060                       | 1      | Bracket with nut                           |
|          | 18                               | M6-6gx16.88.35.019 ГОСТ 7798-70* | 2      | Bolt                                       |
|          | 19                               | 70-3723035*                      | 2      | Tip  |
|          | 20                               | 3859.10*                         | 1      | Voltage transducer                         |
|          | 21                               | 3829.10                          | 1      | Sensor of oil pressure in the engine       |
|          | 22                               | 80-3829002                       | 1      | Connecting pipe                            |
|          | 23                               | 3829.15                          | 1      | Oil emergency pressure sensor              |
|          | 24                               | TM-59-6000-38                    | 1      | Rubber tip                                 |
|          | 25                               | M2-14.13.238                     | 2      | Boot                                       |
|          | 26                               | 3708.10                          | 1      | Starter 12 V, up to 3 kW                   |
|          |                                  | 3708.15                          | 1*     | Starter 24 V, up to 4 kW                   |
|          | 27                               | M12-6gx45.88.35.019 ГОСТ 7796-70 | 1      | Bolt                                       |
| 28       | 12 OT OCT 37.001.115-75          | 1                                | Washer |  |
| 29       | M12-6gx30.88.35.019 ГОСТ 7796-70 | 1                                | Bolt   |  |

\* With the starting system rated at 24 V.

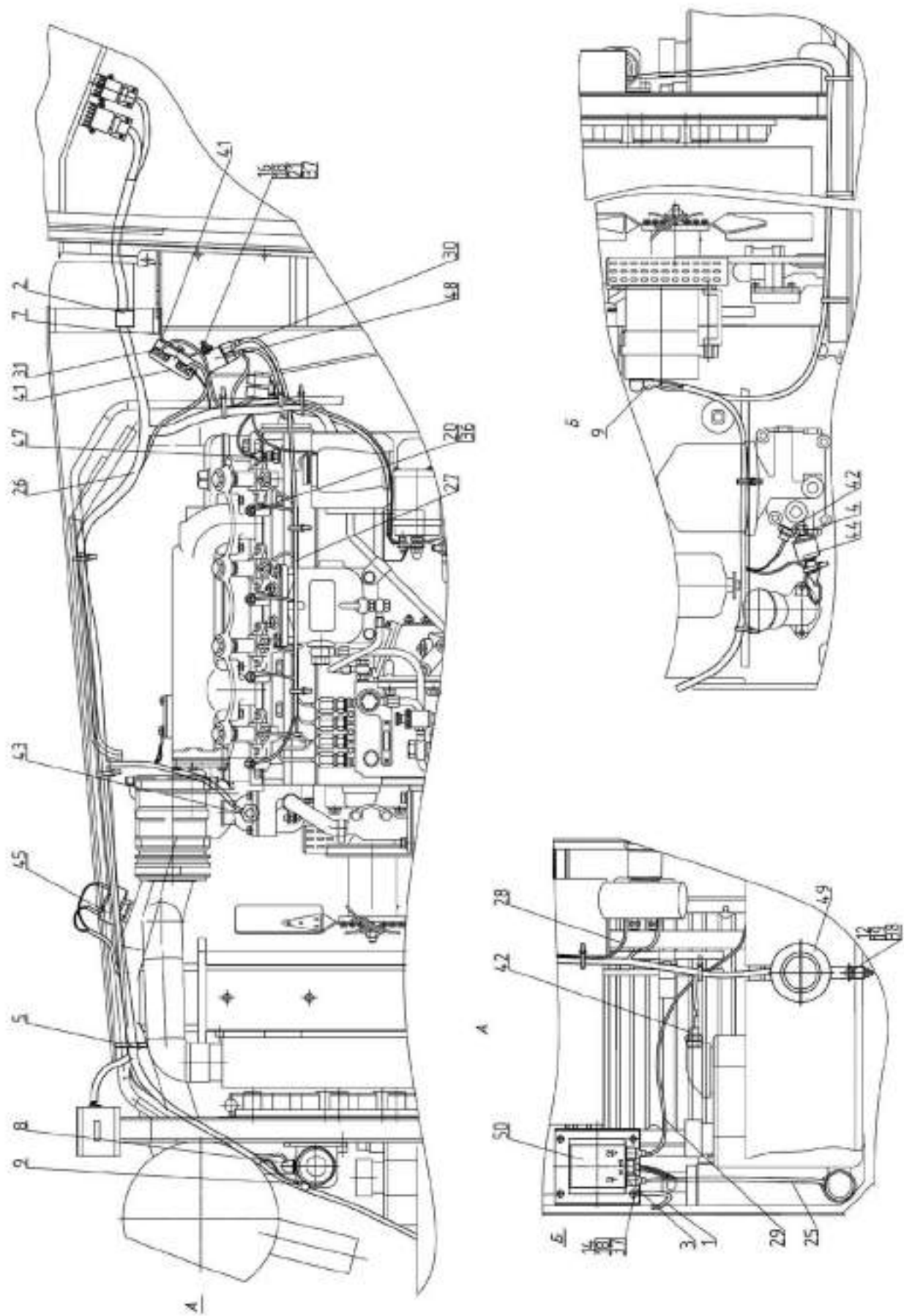


Fig. 37.2 Electric equipment for the engine (for Belarus-900.3/920.3/950.3/952.3 tractors)

**Group 37. Electric equipment**  
**Subgroup 3709, 3710. Electric equipment for the engine**  
 (For Belarus-900.3/920.3/950.3/952.3 tractors)

| Fig. No. | Pos. No. | Designation                     | Q-ty                         | Description                          |
|----------|----------|---------------------------------|------------------------------|--------------------------------------|
| 37.2     |          | 920-3700030-Б                   |                              | Electric equipment of the engine     |
|          | 1        | 80B-3724310-02                  | 1*                           | Wire                                 |
|          | 2        | 822-3723044                     | 1                            | Buckle                               |
|          | 3        | 70-3723035                      | 4*/2**                       | Tip                                  |
|          | 4        | 80-3829002                      | 1                            | Connecting pipe                      |
|          | 5        | 80-3723045-01                   | 17                           | Cuff                                 |
|          | 7        | 80-3747021                      | 1                            | Bracket                              |
|          | 8        | 50Л-3724050                     | 2                            | Boot                                 |
|          | 9        | M2-14-13.238                    | 3                            | Boot                                 |
|          | 12       | M8-6gx20.88.35.019 ГОСТ 7796-70 | 2                            | Bolt                                 |
|          | 14       | M6-6gx20.88.35.019 ГОСТ 7798-70 | 3*                           | Bolt                                 |
|          | 16       | B.M6-6gx20.58.019 ГОСТ 17473-80 | 4                            | Screw                                |
|          | 18       | M6-6H.6.019 ГОСТ 5915-70        | 5*/4**                       | Nut                                  |
|          | 19       | M8-6H.6.019 ГОСТ 5915-70        | 2                            | Nut                                  |
|          | 20       | M5-6H.6.019 ГОСТ 5915-70        | 4                            | Nut                                  |
|          | 21       | C 6.01.019 ГОСТ 6958-78         | 2                            | Washer                               |
|          | 25       | 80-3724345-B                    | 1*                           | Bundle                               |
|          | 26       | 920-3724360-Б                   | 1                            | Bundle                               |
|          | 27       | 80-3724380-A                    | 1                            | Bundle                               |
|          | 28       | 920-3724367                     | 1*                           | Wire                                 |
|          | 29       | 920-3724368-Б                   | 1*                           | Wire                                 |
|          | 30       | 80-3724381                      | 1                            | Wire                                 |
|          | 31       | 80-3724368-Б                    | 1                            | Wire                                 |
|          | 36       | 5T OCT 37.001.115-75            | 4                            | Washer                               |
|          | 37       | 6T OCT 37.001.115-75            | 7                            | Washer                               |
|          | 38       | 8T OCT 37.001.115-75            | 2                            | Washer                               |
|          | 41       | 3722.40                         | 1                            | Fuse box                             |
|          | 42       | 3829.15                         | 2                            | Oil emergency pressure sensor        |
|          | 43       | 3844.10                         | 1                            | Emergency temperature sensor         |
|          | 44       | 3829.10                         | 1                            | Sensor of oil pressure in the engine |
| 45       | 3845.10  | 1                               | Air cleaner clogging sensor  |                                      |
| 47       | 3828.10  | 1                               | Temperature indicator sensor |                                      |
| 48       | 3747.35  | 1                               | Relay of the glow plugs      |                                      |
| 49       | 3721.10  | 1                               | Horn                         |                                      |
| 50       | 3759.10  | 1*                              | Voltage transducer           |                                      |

\* With the starting system rated at 24 V

\*\* With the starting system rated at 12 V

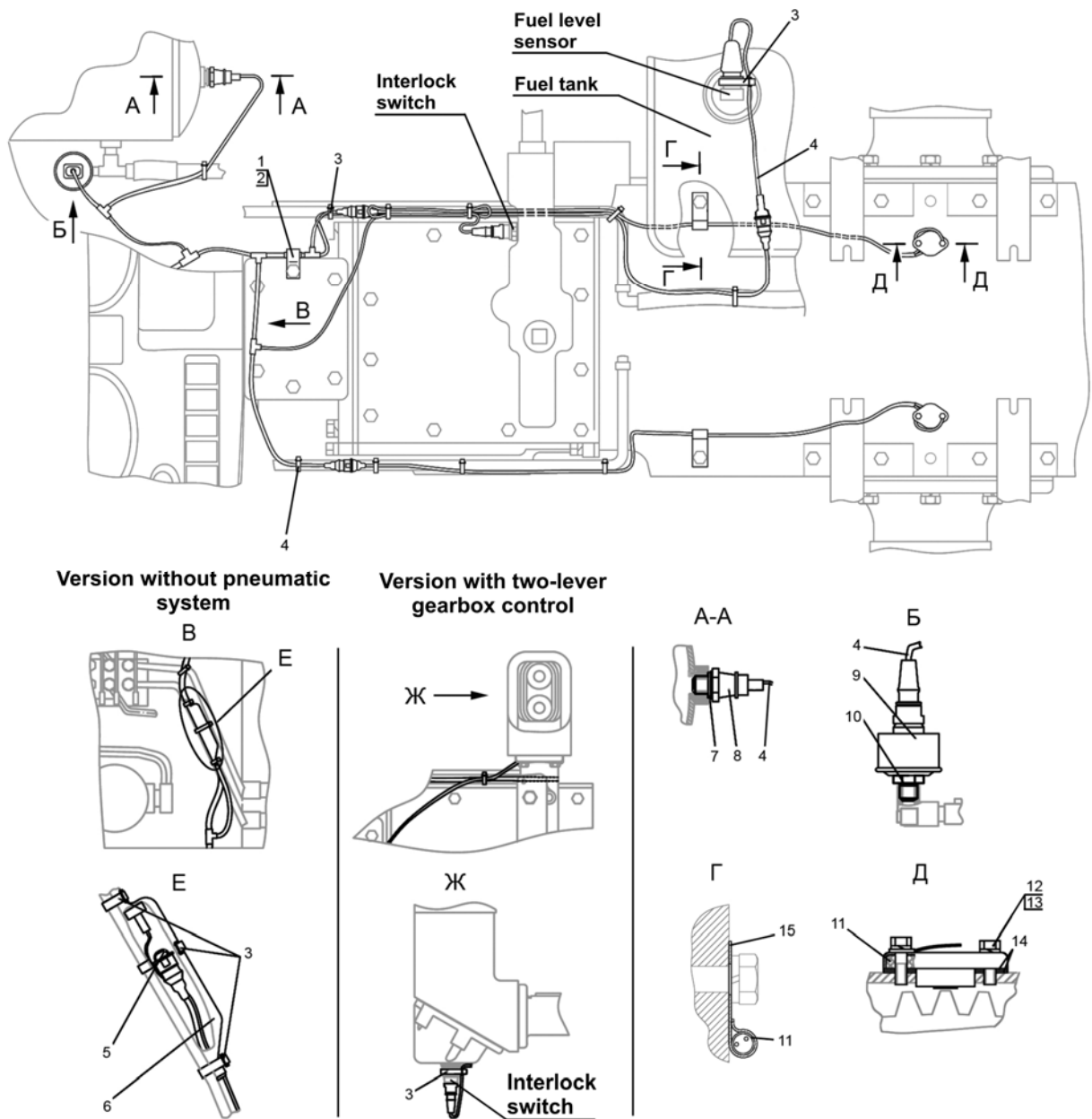


Fig. 37.3. Electric equipment for the transmission

**Note to Fig. 37.3**

| Designation     | Remarks                          |
|-----------------|----------------------------------|
| 80-3700040-Б    | Variant with pneumatic system    |
| 80-3700040-Б-01 | Variant without pneumatic system |

**Group 37. Electric equipment  
Subgroup 3700. Electric equipment for the transmission**

| Fig. No. | Pos. No.    | Number of the assembly unit or part | Quantity per version 80-3700040-Б- |        | Description                             |
|----------|-------------|-------------------------------------|------------------------------------|--------|---|
|          |             |                                     | -                                  | 01     |   |
| 37.3     |             | 80-3700040-Б                        | 1                                  |        | Electric equipment for the transmission |
|          |             | 80-3700040-Б-01                     |                                    | 1      | Electric equipment for the transmission |
|          | 1           | 70-1115012-03                       | 1                                  | 1      | Buckle                                  |
|          | 2           | 70-3506027                          | 1                                  | 1      | Bush                                    |
|          | 3           | 80-3723045-01                       | 10                                 | 11     | Cuff                                    |
|          | 4           | 80-3724317                          | 1                                  | 1      | Bundle                                  |
|          | 5           | 80-3724002-Б                        |                                    | 1      | Wire                                    |
|          | 6           | 305-TB-40-35                        |                                    | 1      | Tube (190 mm)                           |
|          | 7           | 85-1702051                          | 1                                  |        | Washer                                  |
|          | 8           | 3829.25                             | 1                                  |        | Emergency air pressure sensor           |
|          | 9           | 3829.20                             | 1                                  |        | Air pressure sensor                     |
|          | 10          | Д18-055-А                           | 1                                  |        | Seal ring                               |
|          | 11          | 3843.10                             | 2                                  | 2      | Rotational speed sensor                 |
|          | 12          | M8-6gx25.88.35.019 ГОСТ 7796-70     | 4                                  | 4      | Bolt                                    |
|          | 13          | 8T OCT 37.001.115-75                | 4                                  | 4      | Washer                                  |
| 14       | 80-3843001  | 10                                  | 10                                 | Gasket |   |
| 15       | 822-3723001 | 2                                   | 2                                  | Cramp  |   |

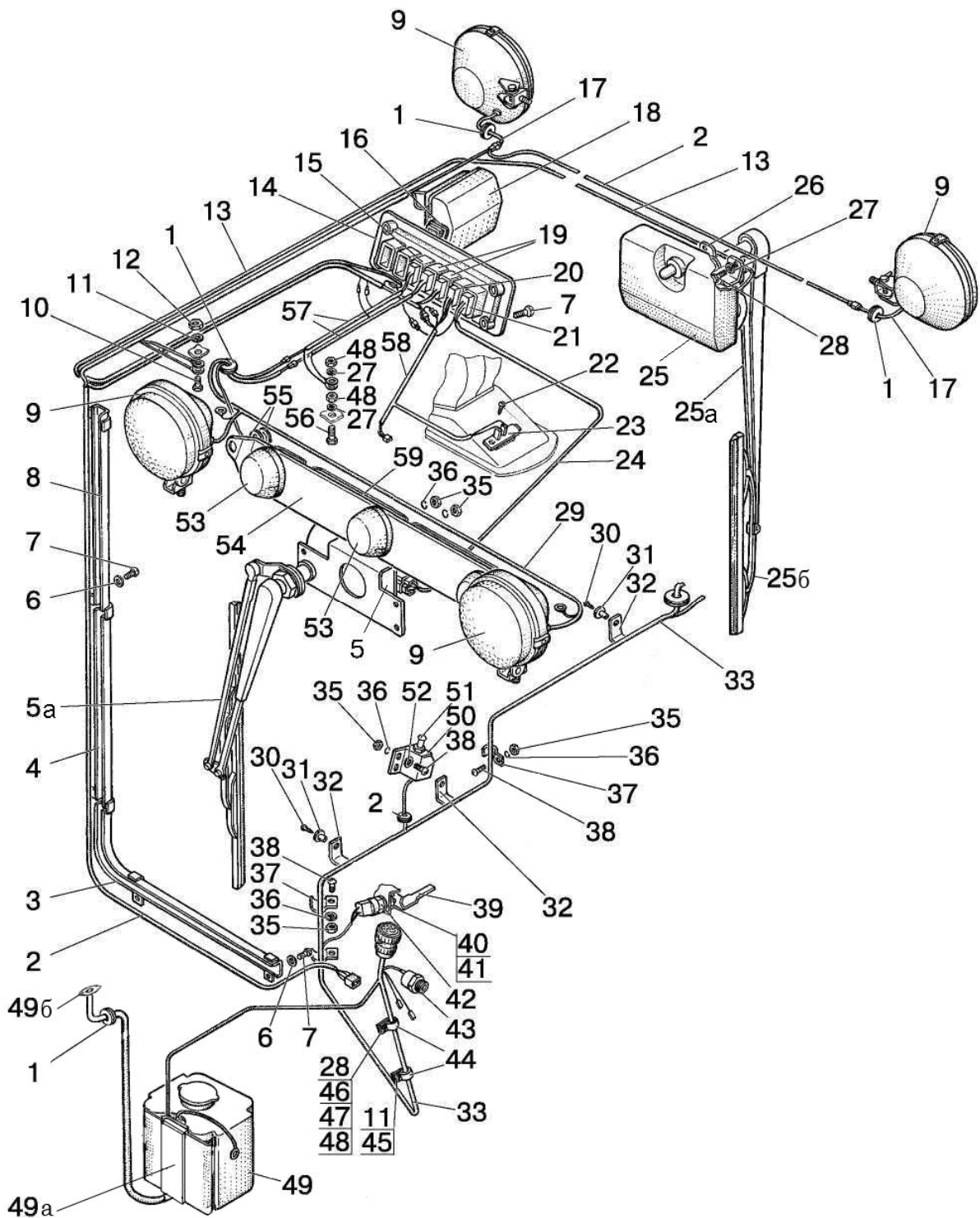


Fig.37.4. Electric equipment for the cab

**Group 37. Electric equipment  
Subgroup 3700. Electric equipment for the cab**

| Fig. No. | Pos. No.                 | Designation                     | Q-ty                         | Description                      |
|----------|--------------------------|---------------------------------|------------------------------|----------------------------------|
| 37.4     | 1                        | 70-3723042-01                   | 5                            | Bush                             |
|          | 2                        | 80-3724351-Г1                   | 1                            | Bundle                           |
|          | 3                        | 80-3723015                      | 1                            | Chute                            |
|          | 4                        | 80-3723020                      | 1                            | Chute                            |
|          | 5                        | 5205.10                         | 1                            | Pantograph-type windscreen wiper |
|          | 5a                       | 5205.25                         | 1                            | Brush with lever 660/600         |
|          | 6                        | C 6.01.019 ГОСТ 11371-78        | 5                            | Washer                           |
|          | 7                        | B.M6-6gx12.58.019 ГОСТ 17474-80 | 9                            | Screw                            |
|          | 8                        | 80-3723010                      | 1                            | Chute                            |
|          | 9                        | 8724.31.06                      | 4                            | Working light                    |
|          | 10                       | M8-6gx14.88.35.019 ГОСТ 7796-70 | 1                            | Bolt                             |
|          | 11                       | 8T OCT 37.001.115-75            | 1                            | Washer                           |
|          | 12                       | M8-6H.6.019 ГОСТ 5915-70        | 1                            | Nut                              |
|          | 13                       | 80B-3724310-14                  | 1                            | Wire                             |
|          | 14                       | 80-3801342                      | 1                            | Shield                           |
|          | 15                       | 3710.40                         | 1                            | Road train sign switch           |
|          | 16                       | 80-3801327                      | 2                            | Choke                            |
|          | 17                       | 80-3724035-Б                    | 2                            | Wire                             |
|          | 18                       | 3714.10                         | 1                            | Cab lighting lamp 105x95         |
|          | 19                       | 3710.30                         | 2                            | Working light switch             |
|          | 20                       | 3709.15                         | 1                            | Fan switch                       |
|          | 21                       | 3709.25                         | 1                            | Windscreen wiper switch          |
|          | 22                       | 4x10.01.019 ГОСТ 10621-80       | 1                            | Screw                            |
|          | 23                       | 11.3729                         | 1                            | Additional resistor              |
|          | 24                       | 80B-3724010                     | 1                            | Bundle                           |
|          | 25                       | 5205.20                         | 1                            | Windscreen wiper                 |
|          | 25a                      | 5205.30                         | 1                            | Windscreen wiper lever 420       |
|          | 25б                      | 5205.35                         | 1                            | Windscreen wiper brush 460       |
|          | 26                       | 80-5205031                      | 1                            | Bracket                          |
|          | 27                       | 6T OCT 37.001.115-75            | 5                            | Washer                           |
|          | 28                       | M6-6gx16.88.35.019 ГОСТ 7798-70 | 2                            | Bolt                             |
|          | 29                       | 80-3724232-Б                    | 1                            | Bundle                           |
|          | 30                       | 2-4x16.019 ГОСТ 1144-80         | 4                            | Wood screw                       |
|          | 31                       | A37.10.031                      | 4                            | Boss                             |
|          | 32                       | 85-3723041-01                   | 4                            | Cramp                            |
|          | 33                       | 80-3724300-Г1                   | 1                            | Bundle                           |
|          | 35                       | M5-6H.6.019 ГОСТ 5927-70        | 11                           | Nut                              |
|          | 36                       | 5T OCT 37.001.115-75            | 11                           | Washer                           |
|          | 37                       | 80-3723038                      | 3                            | Cramp                            |
|          | 38                       | B.M5-6gx16.58.019 ГОСТ 17473-80 | 3                            | Screw                            |
|          | 39                       | 85-3710032                      | 1                            | Lever                            |
|          | 40                       | 85-3710025                      | 1                            | Nut                              |
|          | 41                       | 14 Л ГОСТ 6402-70               | 1                            | Washer                           |
|          | 42                       | 3720.10                         | 1                            | Stop-light switch                |
|          | 43                       | 3829.15                         | 1                            | Oil emergency pressure sensor    |
|          | 44                       | 1321-8700029                    | 2                            | Clamp                            |
|          | 45                       | B.M8-6gx25.58.019 ГОСТ 17475-80 | 1                            | Screw                            |
|          | 46                       | B.M6-6gx25.58.019 ГОСТ 17473-80 | 1                            | Screw                            |
|          | 47                       | C 8.01.019 ГОСТ 11371-78        | 1                            | Washer                           |
| 48       | M6-6H.6.019 ГОСТ 5915-70 | 3                               | Nut                          |                                  |
| 49       | 5208.25                  | 1                               | Electrical windscreen washer |                                  |
| 49a      | 5208.20                  | 1                               | Bracket                      |                                  |
| 49б      | 5208.10                  | 1                               | Jet nozzle                   |                                  |

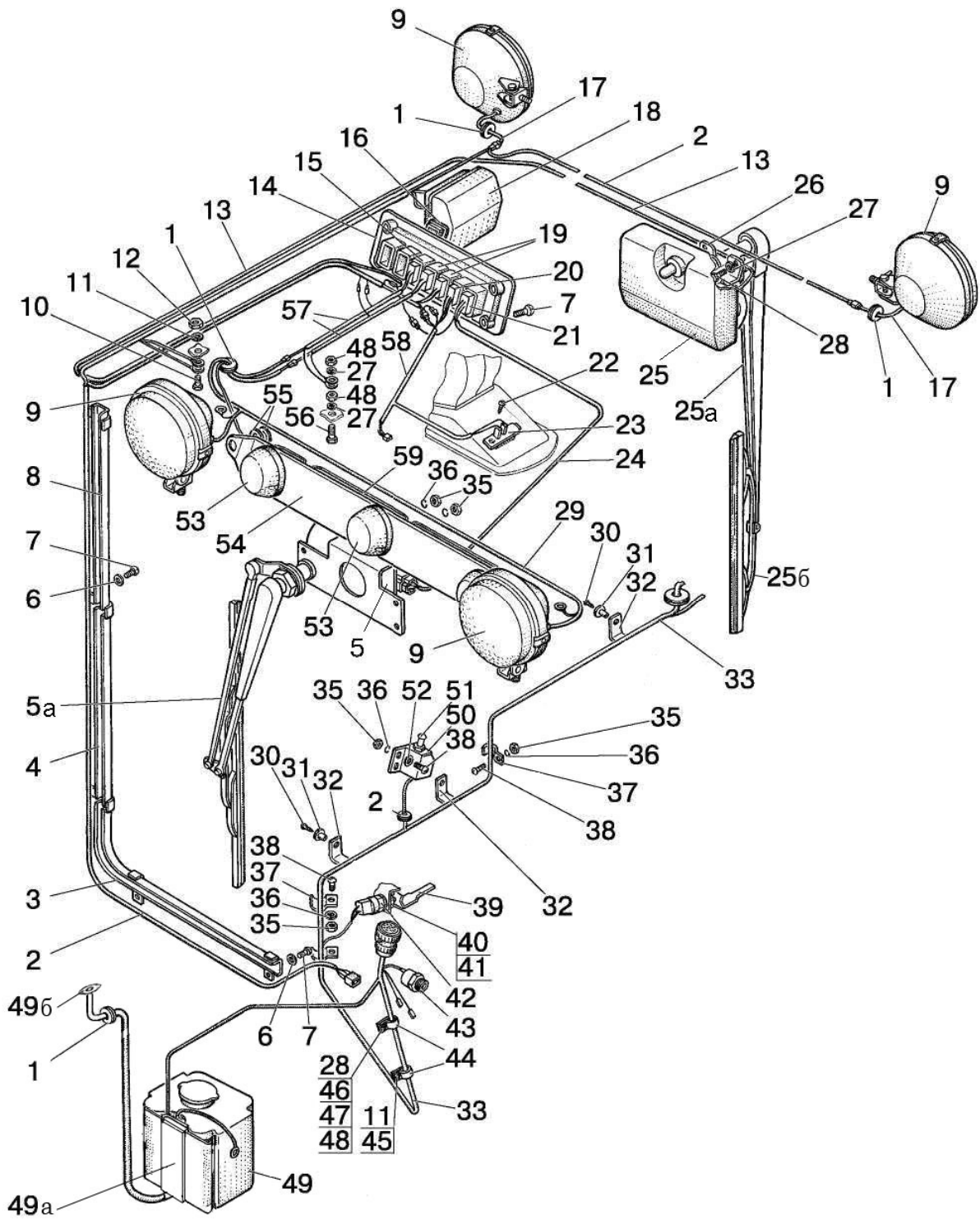


Fig.37.4 Electric equipment for the cab



**Group 37. Electric equipment**  
**Subgroup 3700. Electric equipment for the cab**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b>        |
|-----------------|-----------------|---------------------------------|-------------|---------------------------|
| 37.4            | 50              | 80-3710012                      | 1           | Bracket                   |
|                 | 51              | 3710.60                         | 1           | Parking brake lamp switch |
|                 | 52              | C 5.01.019 ГОСТ 11371-78        | 2           | Washer                    |
|                 | 53              | 3738.10                         | 3           | Road train light          |
|                 | 54              | 80-3738001                      | 1           | Bracket                   |
|                 | 55              | 80-6708904                      | 4           | Gasket                    |
|                 | 56              | M6-6gx20.58.35.019 ГОСТ 7798-70 | 1           | Bolt                      |
|                 | 57              | 80-3724231-Б                    | 2           | Bundle                    |
|                 | 58              | 80-3724353-Г                    | 1           | Bundle                    |
|                 | 59              | 80-3724233-Б                    | 1           | Bundle                    |

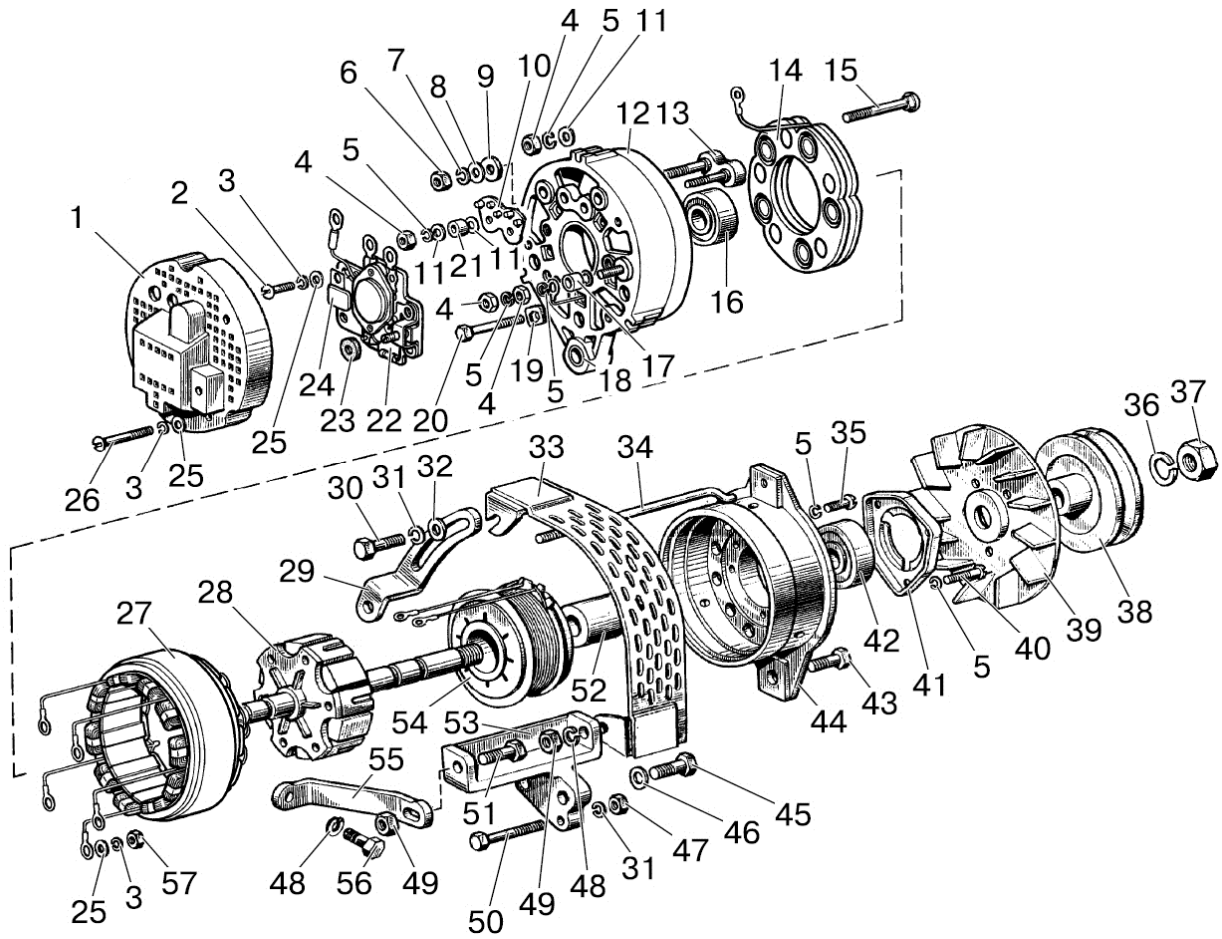


Fig.37.5. Alternator

**Group 37. Electric equipment  
Subgroup 3701. Alternator**

| Fig. No. | Pos. No.                 | Designation                      | Q-ty | Description                          |
|----------|--------------------------|----------------------------------|------|--------------------------------------|
| 37.5     |                          | Г964.3701-1                      | 1    | Alternator (1-28, 34-44, 52, 54, 57) |
|          | 1                        | ИЖКС 725325.002-03               | 1    | Regulator cover                      |
|          | 2                        | В.М4-6gx16.58.019 ГОСТ 17473-80  | 3    | Screw                                |
|          | 3                        | 4 ОСТ 37.001.115-75              | 9    | Washer                               |
|          | 4                        | М5-6Н.6.019 ГОСТ 5915-70         | 7    | Nut                                  |
|          | 5                        | 5Т ОСТ 37.001.115-75             | 12   | Washer                               |
|          | 6                        | М6-6Н.6.019 ГОСТ 5915-70         | 3    | Nut                                  |
|          | 7                        | 6Т ОСТ 37.001.115-75             | 3    | Washer                               |
|          | 8                        | ИЖКС 758491.032                  | 2    | Washer                               |
|          | 9                        | ИЖКС 754152.003                  | 1    | Insulating washer                    |
|          | 10                       | ИЖКС 757542.004                  | 1    | Insulator                            |
|          | 11                       | С 5.01.019 ГОСТ 11371-78         | 7    | Washer                               |
|          | 12                       | ИЖКС 301261.037                  | 1    | Rear cover                           |
|          | 13                       | ИЖКС 685158.002                  | 1    | Terminal board                       |
|          | 14                       | ИЖКС 435214.002                  | 1    | Rectifier                            |
|          | 15                       | ИЖКС 758165.001                  | 1    | Bolt М6                              |
|          | 16                       | 6-180502К1С9                     | 1    | Ball bearing                         |
|          | 17                       | ИЖКС 713141.044                  | 1    | Spacing bush                         |
|          | 18                       | ИЖКС 711143.007                  | 1    | Split bush                           |
|          | 19                       | ИЖКС 757513.004                  | 6    | Phase insulator                      |
|          | 20                       | ИЖКС 758121.001                  | 3    | Bolt М4x25                           |
|          | 21                       | ИЖКС 713141.041                  | 1    | Spacing bush                         |
|          | 22                       | СТ14                             | 1    | Regulator                            |
|          | 23                       | ИЖКС 754152.004                  | 1    | Insulating washer                    |
|          | 24                       | К73-21В                          | 1    | Capacitor                            |
|          | 25                       | С 4.01.019 ГОСТ 11371-78         | 9    | Washer                               |
|          | 26                       | ИЖКС 758161.002                  | 3    | Screw BM4x28                         |
|          | 27                       | ИЖКС 684214.005                  | 1    | Stator                               |
|          | 28                       | ИЖКС 684241.006-02               | 1    | Rotor                                |
|          | 29                       | 240-3701063-02                   | 1    | Slat                                 |
|          | 30                       | М8-6gx20.88.35.019 ГОСТ 7796-70  | 1    | Bolt                                 |
|          | 31                       | С 8.01.019 ГОСТ 11371-78         | 2    | Washer                               |
|          | 32                       | 50-1002073                       | 1    | Thrust washer                        |
|          | 33                       | 240-3701060-Б                    | 1    | Shield                               |
|          | 34                       | ИЖКС 758191.001                  | 3    | Clamping bolt                        |
|          | 35                       | ИЖКС 758151.003                  | 3    | Screw BM5x14,5                       |
|          | 36                       | 16 ОТ ОСТ 37.001.115-75          | 1    | Washer                               |
|          | 37                       | М16x1,5-6Н.6.019 ГОСТ 5915-70    | 1    | Nut                                  |
|          | 38                       | ИЖКС 712645.001                  | 1    | Pulley                               |
|          | 39                       | ИЖКС 723526.001                  | 1    | Fan                                  |
|          | 40                       | ИЖКС 758151.003-01               | 3    | Screw BM5x26                         |
|          | 41                       | ИЖКС 725117.001                  | 1    | Bearing cap                          |
|          | 42                       | 6-180603КС9                      | 1    | Ball bearing                         |
|          | 43                       | М10-6gx30.88.35.019 ГОСТ 7796-70 | 1    | Bolt                                 |
|          | 44                       | ИЖКС 301261.035                  | 1    | Front cover                          |
|          | 45                       | М12-6gx35.88.35.019 ГОСТ 7796-70 | 2    | Bolt                                 |
|          | 46                       | 245-3701069                      | 2    | Washer                               |
|          | 47                       | М8-6Н.6.019 ГОСТ 5915-70         | 1    | Nut                                  |
|          | 48                       | С 10.01.019 ГОСТ 11371-78        | 2    | Washer                               |
|          | 49                       | М10-6Н.6.019 ГОСТ 5915-70        | 3    | Nut                                  |
|          | 50                       | М8-6gx100.88.35.019 ГОСТ 7795-70 | 1    | Bolt                                 |
|          | 51                       | М10-6gx55.88.35.019 ГОСТ 7795-70 | 1    | Bolt                                 |
|          | 52                       | ИЖКС 713141.039                  | 1    | Rotor bush                           |
|          | 53                       | 240-3701056-В                    | 1    | Alternator bracket                   |
|          | 54                       | ИЖКС 685442.035                  | 1    | Field coil                           |
|          | 55                       | 240-3701068-Б                    | 1    | Brace                                |
|          | 56                       | М10-6gx20.88.35.019 ГОСТ 7796-70 | 1    | Bolt                                 |
| 57       | М4-6Н.6.019 ГОСТ 5927-70 | 3                                | Nut  |                                      |

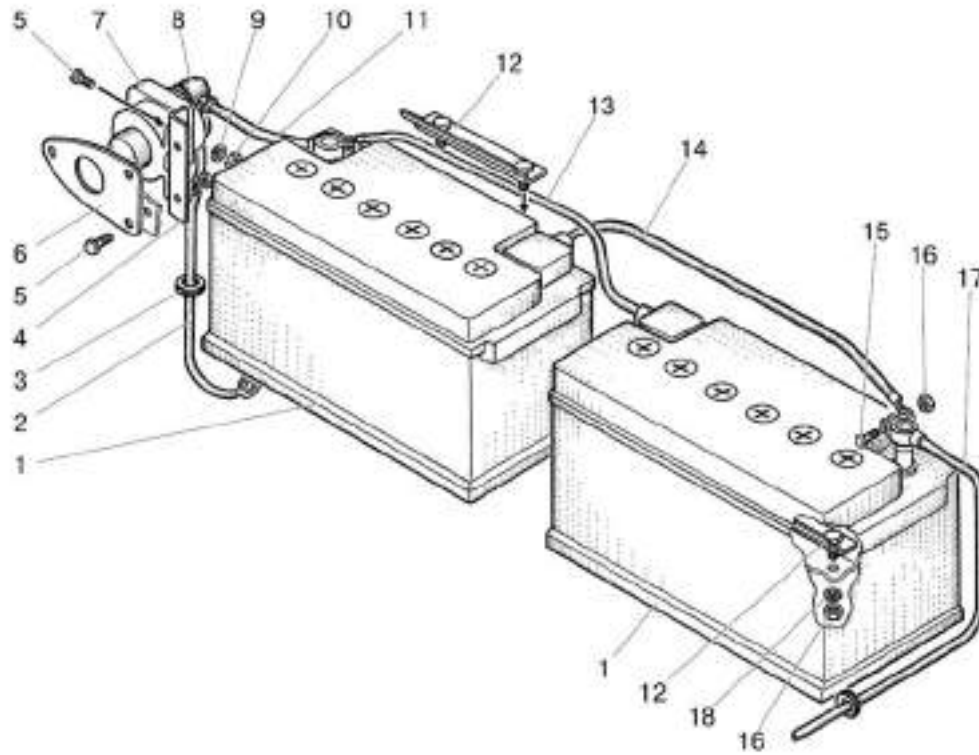


Fig.37.6. Storage battery pack (starting system 12 V)

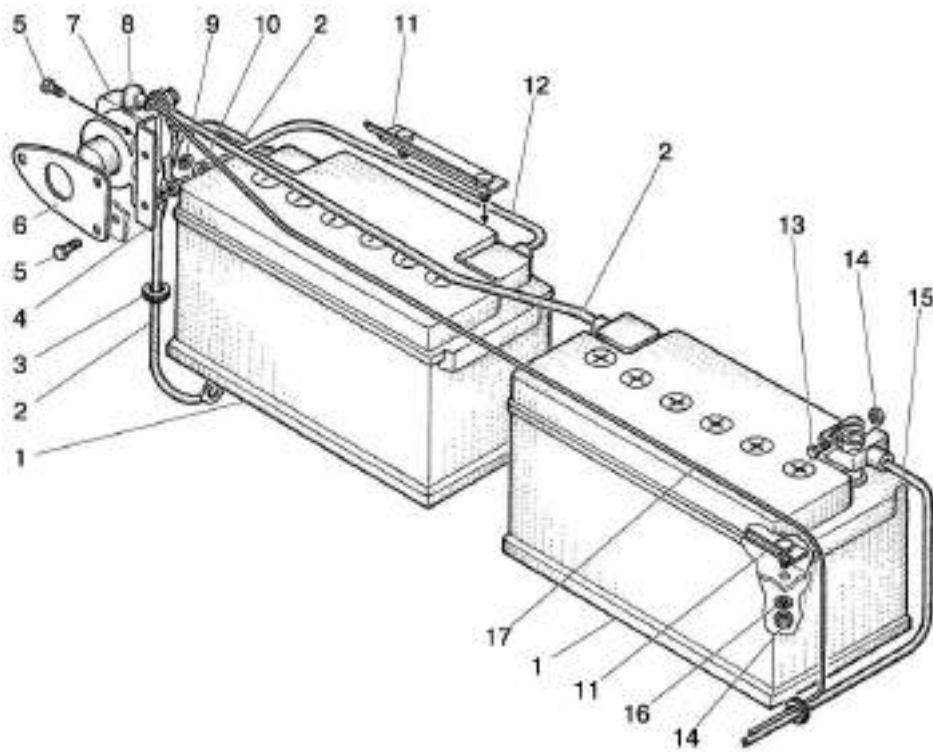


Fig.37.7. Storage battery pack (starting system 24 V)

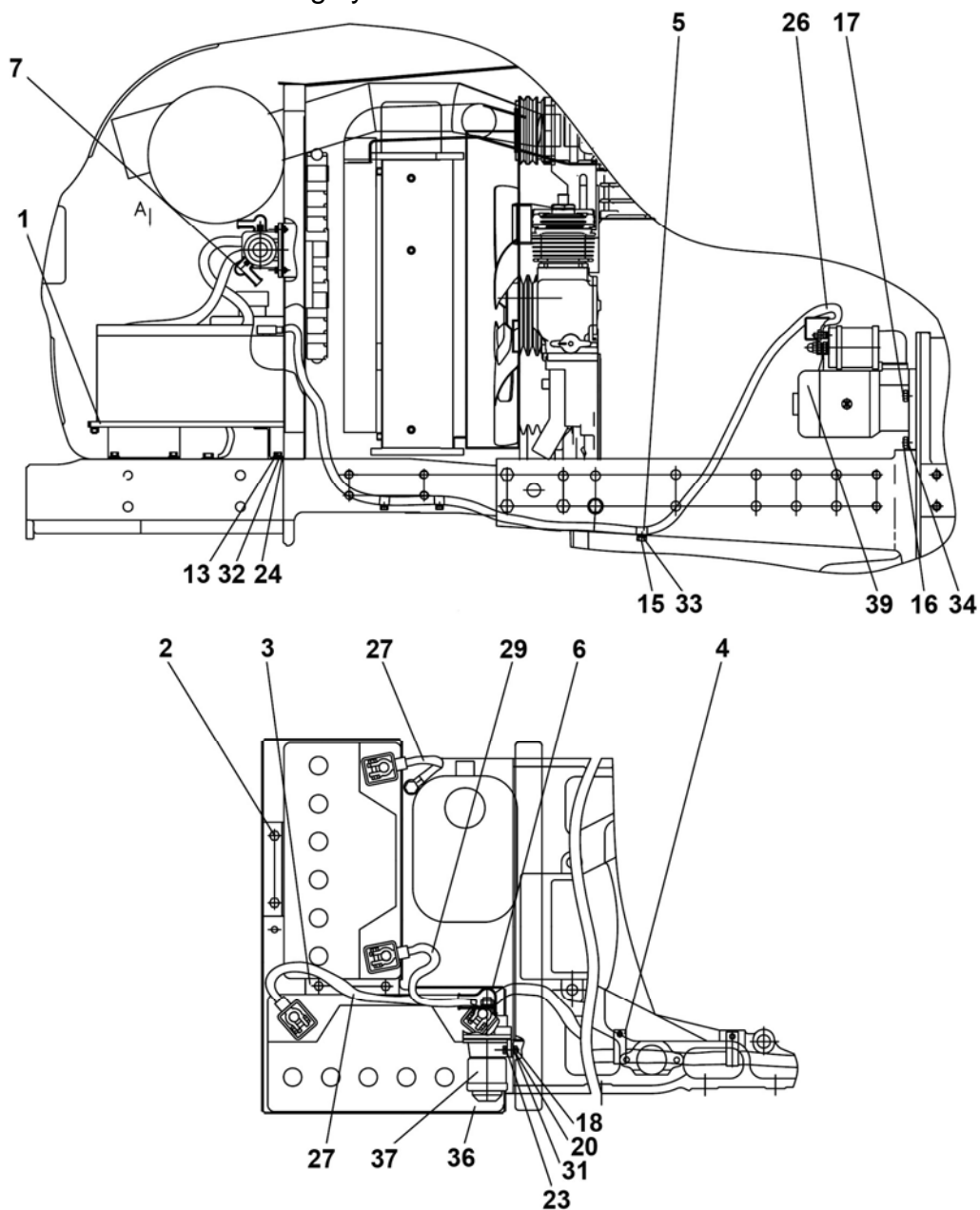
**Group 37. Electric equipment**  
**Subgroup 3703. Storage battery pack (starting system 12 V)**

| Fig. No. | Pos. No.             | Designation                     | Q-ty   | Description                     |
|----------|----------------------|---------------------------------|--------|---------------------------------|
| 37.6     |                      | 80-3700080-Б                    |        | Storage battery pack            |
|          | 1                    | 3703.16                         | 2      | Storage battery 12/88           |
|          | 2                    | 80-3724042                      | 1      | Wire                            |
|          | 3                    | 70-3723042-02                   | 1      | Bush                            |
|          | 4                    | 80-3703061                      | 1      | Bracket                         |
|          | 5                    | M6-6gx20.58.35.019 ГОСТ 7798-70 | 5      | Bolt                            |
|          | 6                    | 80-3703062                      | 1      | Plate                           |
|          | 7                    | 3737.20                         | 1      | Manual switch of batteries 12 V |
|          | 8                    | TM-59-6000-38                   | 2      | Boot                            |
|          | 9                    | 6T OCT 37.001.115-75            | 5      | Washer                          |
|          | 10                   | M6-6H.6.019 ГОСТ 5915-70        | 5      | Nut                             |
|          | 11                   | 80-3724043-Б                    | 1      | Wire                            |
|          | 12                   | 80B-3703020                     | 2      | Clamp                           |
|          | 13                   | 80-3724039                      | 1      | Wire                            |
|          | 14                   | 80-3724038                      | 1      | Wire                            |
|          | 15                   | M8-6gx30.88.35.019 ГОСТ 7796-70 | 4      | Bolt                            |
|          | 16                   | M8-6H.6.019 ГОСТ 5915-70        | 4      | Nut                             |
|          | 17                   | 70-3724041-Б                    | 1      | Wire                            |
| 18       | 8T OCT 37.001.115-75 | 4                               | Washer |                                 |

**Group 37. Electric equipment**  
**Subgroup 3703. Storage battery pack (starting system 24 V)**

| Fig. No. | Pos. No.   | Designation                     | Q-ty | Description                     |
|----------|------------|---------------------------------|------|---------------------------------|
| 37.7     |            | 80-3700085-Б                    |      | Storage battery pack            |
|          | 1          | 3703.16                         | 2    | Storage battery 12/88           |
|          | 2          | 1221B-3724075                   | 2    | Wire                            |
|          | 3          | 70-3723042-02                   | 1    | Bush                            |
|          | 4          | 80-3703061                      | 1    | Bracket                         |
|          | 5          | M6-6gx20.58.35.019 ГОСТ 7798-70 | 5    | Bolt                            |
|          | 6          | 80-3703062                      | 1    | Plate                           |
|          | 7          | 3737.25                         | 1    | Manual switch of batteries 24 V |
|          | 8          | 54.24.445-Б                     | 1    | Tip                             |
|          | 9          | 6T OCT 37.001.115-7             | 5    | Washer 5                        |
|          | 10         | M6-6H.6.019 ГОСТ 5915-70        | 5    | Nut                             |
|          | 11         | 80B-3703020                     | 2    | Clamp                           |
|          | 12         | 1025-3724044                    | 1    | Wire                            |
|          | 13         | M8-6gx30.88.35.019 ГОСТ 7796-70 | 4    | Bolt                            |
|          | 14         | M8-6H.6.019 ГОСТ 5915-70        | 8    | Nut                             |
|          | 15         | 70-3724041-Б                    | 1    | Wire                            |
|          | 16         | 8T OCT 37.001.115-75            | 4    | Washer                          |
| 17       | 80-3724367 | 1                               | Wire |                                 |

For the starting system rated at 24 V



For the starting system rated at 12 V

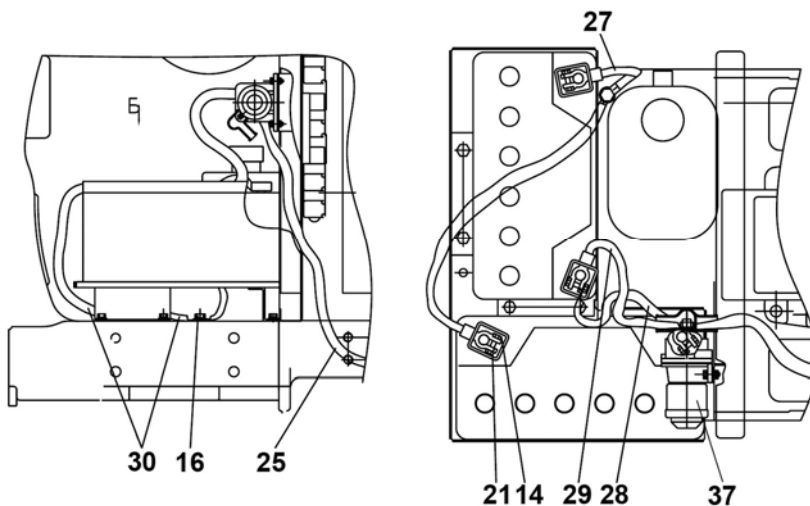


Fig.37.8. Storage battery pack

**Group 37. Electric equipment  
Subgroup 3703. Storage battery pack**

| Fig. No. | Pos. No. | Designation                      | Q-ty               | Description                     |
|----------|----------|----------------------------------|--------------------|---------------------------------|
| 37.8     |          | 920-3700080                      | 1                  | Storage battery pack            |
|          | 1        | 920-3703010-Б                    | 1                  | Base                            |
|          | 2        | 80B-3703020                      | 1                  | Clamp                           |
|          | 3        | 80B-3703012-01                   | 1                  | Clamp                           |
|          | 4        | 822-3723044                      | 2                  | Buckle                          |
|          | 5        | 923-3723012                      | 1                  | Buckle                          |
|          | 6        | TM-59-6000-38                    | 2                  | Rubber tip                      |
|          | 7        | 54.24.445-Б                      | 1*/2**             | Tip                             |
|          | 13       | M8-6gx20.88.35.019 ГОСТ 7796-70  | 10                 | Bolt                            |
|          | 14       | M8-6gx30.88.35.019 ГОСТ 7796-70  | 4                  | Bolt                            |
|          | 15       | M10-6gx30.88.35.019 ГОСТ 7796-70 | 1                  | Bolt                            |
|          | 16       | M12-6gx30.88.35.019 ГОСТ 7796-70 | 3                  | Bolt                            |
|          | 17       | M12-6gx45.88.35.019 ГОСТ 7796-70 | 1                  | Bolt                            |
|          | 18       | M6-6gx20.58.35.019 ГОСТ 7798-70  | 2                  | Bolt                            |
|          | 20       | M6-6H.6.019 ГОСТ 5915-70         | 2                  | Nut                             |
|          | 21       | M8-6H.6.019 ГОСТ 5915-70         | 6                  | Nut                             |
|          | 23       | C 6.01.019 ГОСТ 11371-78         | 2                  | Washer                          |
|          | 24       | C 8.01.019 ГОСТ 11371-78         | 6                  | Washer                          |
|          | 25       | 822-3724041-Б                    | 1*                 | Wire                            |
|          | 26       | 923-3724041                      | 1**                | Wire                            |
|          | 27       | 923-3724042                      | 1*/2**             | Wire                            |
|          | 28       | 1221B-3724041                    | 1*                 | Wire                            |
|          | 29       | 1221B-3724044-Б                  | 1                  | Wire                            |
|          | 30       | 1221B-3724075                    | 1*                 | Wire                            |
|          | 31       | 6T OCT 37.001.115-75             | 2                  | Washer                          |
|          | 32       | 8T OCT 37.001.115-75             | 10                 | Washer                          |
|          | 33       | 10 OT OCT 37.001.115-75          | 1                  | Washer                          |
|          | 34       | 12 OT OCT 37.001.115-75          | 4                  | Washer                          |
|          | 36       | 3703.16                          | 2                  | Storage battery 12/88           |
|          | 37       | 3737.10                          | 1*                 | Remote switch of batteries 12 V |
|          |          | 3737.15                          | 1**                | Remote switch of batteries 24 V |
|          | 39       | 3708.25                          | 1*                 | Starter 12 V, 2.7 kW            |
|          | 3708.15  | 1**                              | Starter 24 V, 4 kW |                                 |

\*With the starting system rated at 12 V

\*\*With the starting system rated at 24 V

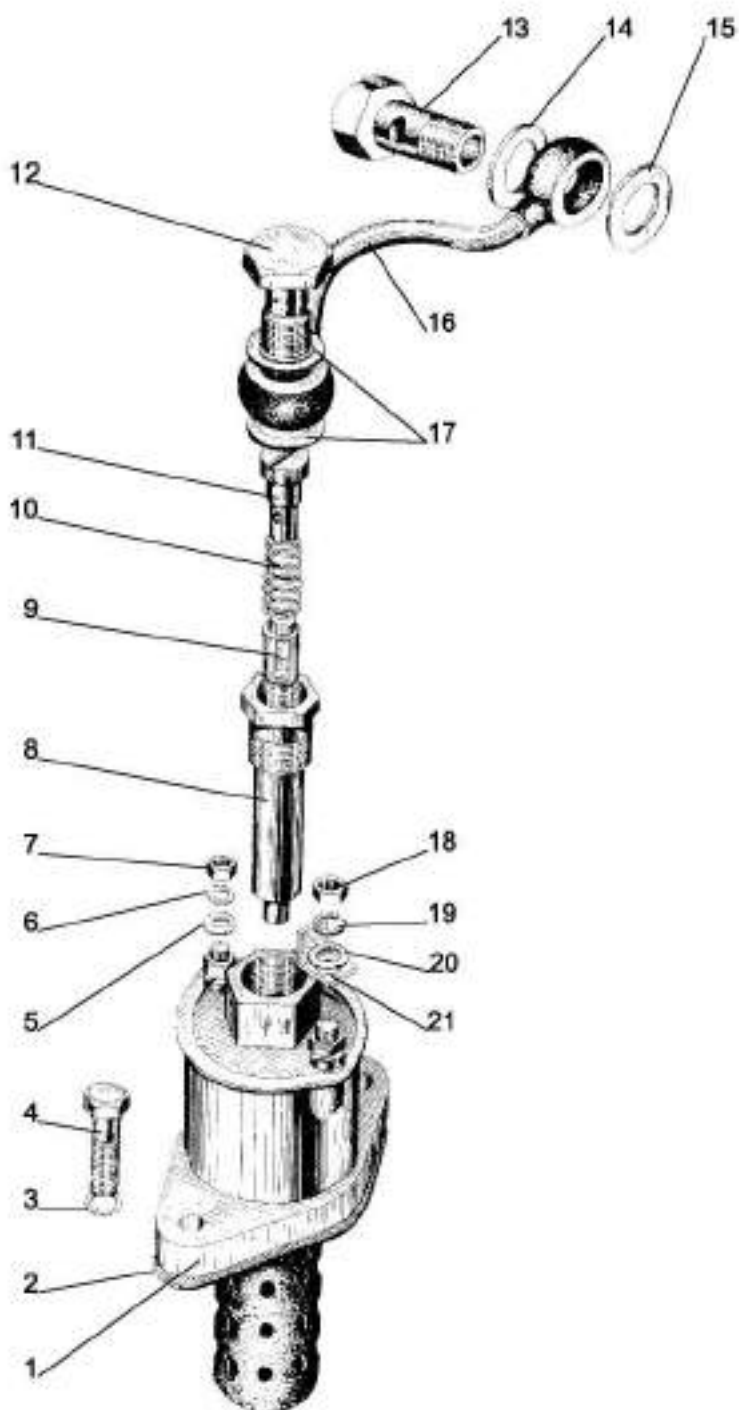


Fig.37.9. Electric torch pre-heater



**Group 37. Electric equipment**  
**Subgroup 3707. Electric torch pre-heater**

| Fig. No. | Pos. No.                 | Designation                     | Q-ty      | Description                                   |
|----------|--------------------------|---------------------------------|-----------|---|
| 37.9     |                          | ЭФП-8101500-01                  | 1         | Electric torch pre-heater<br>(1, 5-12, 17-21) |
|          | 1                        | ЭФП-8101563-Б                   | 1         | Casing with coil                              |
|          |                          | ЭФП-8101570                     | 1         | Coil  |
|          | 2                        | 240-3707115-A1                  | 1         | Gasket  |
|          | 3                        | 6Т ОСТ 37.001.115-75            | 2         | Washer  |
|          | 4                        | M6-6gx20.88.35.016 ГОСТ 7798-70 | 2         | Bolt  |
|          | 5                        | С 4.01.019 ГОСТ 11371-78        | 1         | Washer  |
|          | 6                        | 4 ОСТ 37.001.115-75             | 1         | Washer  |
|          | 7                        | M4-6H.6.019 ГОСТ 5927-70        | 1         | Nut   |
|          | 8                        | ЭФП-8101610                     | 1         | Valve body                                    |
|          | 9                        | ЭФП -8101605-Б                  | 1         | Valve   |
|          | 10                       | 16-057                          | 1         | Valve spring                                  |
|          | 11                       | ЭФП -8101628-Б                  | 1         | Connecting pipe                               |
|          | 12                       | ЭФП -8101627-Б                  | 1         | Connecting pipe bolt                          |
|          | 13                       | 36-1104787                      | 1         | Connecting pipe bolt                          |
|          | 14                       | 36-1104788                      | 1         | Gasket  |
|          | 15                       | 36-1104788-01                   | 1         | Gasket  |
|          | 16                       | 242-3701130-Б                   | 1         | Pipeline                                      |
|          | 17                       | 240-1007209                     | 2         | Gasket  |
|          | 18                       | M5-6H.6.019 ГОСТ 5915-70        | 1         | Nut   |
|          | 19                       | 5 ОСТ 37.001.115-75             | 1         | Washer  |
| 20       | С 5.01.019 ГОСТ 11371-78 | 1                               | Washer    |   |
| 21       | ЭФП -8101696             | 1                               | Insulator |   |

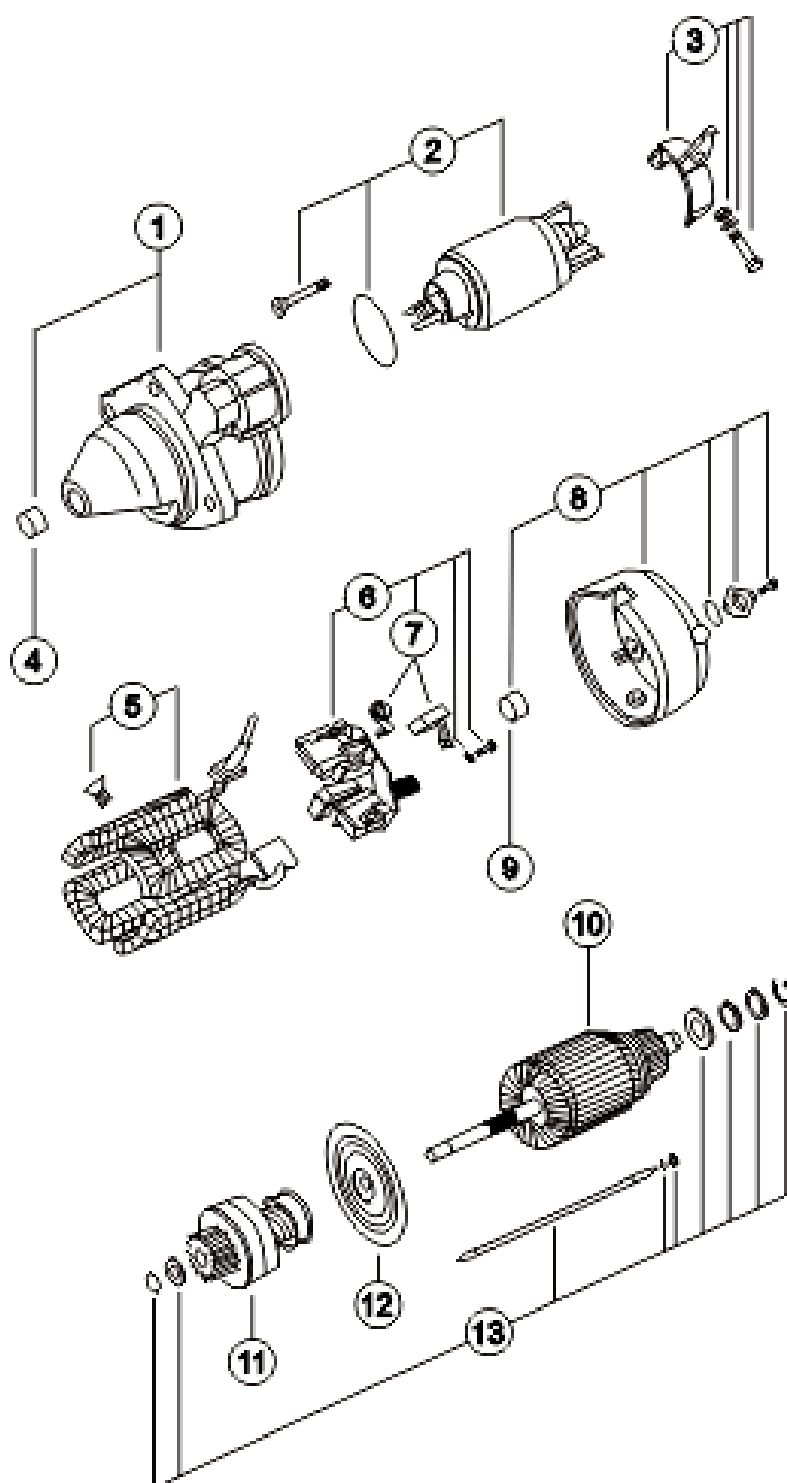


Fig.37.10. Starter

**Group 37. Electric equipment  
Subgroup 3708. Starter**

| Fig. No.                  | Pos. No.                  | Designation                  | Q-ty   | Description              |
|---------------------------|---------------------------|------------------------------|--------|--------------------------|
| 37.10                     | 1                         | 16.281.793                   | 1      | Front cover              |
|                           | 2                         | 16.670.154-01 <sup>1/3</sup> | 1      | Solenoid switch assembly |
|                           |                           | 16.670.155-01 <sup>2/4</sup> |        |                          |
|                           |                           | 16.670.262 <sup>1/3</sup>    | 1      | Solenoid switch          |
|                           |                           | 16.670.263 <sup>2/4</sup>    |        |                          |
|                           |                           | 16.150.007                   |        |                          |
|                           |                           | 15.200.058                   |        |                          |
|                           |                           | 707.002.275                  | 1      | Ring                     |
|                           |                           | 16.300.126                   | 3      | Screw                    |
|                           | 3                         | 16.901.700                   | 1      | Lever                    |
|                           |                           | 15.300.191                   | 1      | Screw                    |
|                           | 4                         | 15.120.243                   | 1      | Bearing bush             |
|                           | 5                         | 16.901.700 <sup>1/2</sup>    | 1      | Winding                  |
|                           |                           | 16.500.664 <sup>3</sup>      |        |                          |
|                           |                           | 16.500.773 <sup>4</sup>      |        |                          |
|                           |                           | 15.300.191 <sup>1/2</sup>    | 4      | Screw                    |
|                           | 15.300.166 <sup>3/4</sup> |                              |        |                          |
|                           | 6                         | 16.903.908 <sup>1</sup>      | 1      | Brush holder             |
|                           |                           | 16.903.773 <sup>2</sup>      |        |                          |
|                           |                           | 16.901.954 <sup>3</sup>      |        |                          |
|                           |                           | 16.901.626 <sup>4</sup>      |        |                          |
|                           | 7                         | 16.770.083 <sup>1</sup>      | 4      | Brush                    |
|                           |                           | 16.770.119 <sup>2</sup>      |        |                          |
|                           |                           | 16.770.378 <sup>3</sup>      |        |                          |
|                           |                           | 16.770.121 <sup>4</sup>      |        |                          |
|                           |                           | 15.200.243                   |        |                          |
|                           | 8                         | 16.283.449                   | 1      | Rear cover               |
|                           |                           | 15.120.155                   | 1      | Bush                     |
|                           |                           | 15.400.249                   | 1      | Insert                   |
|                           |                           | 15.900.140                   | 1      | Cover                    |
|                           |                           | 15.400.056                   | 1      | Ring                     |
|                           |                           | 15.300.710                   | 2      | Screw                    |
|                           | 9                         | 15.120.155                   | 1      | Bearing bush             |
|                           | 10                        | 16.360.402 <sup>1</sup>      | 1      | Rotor                    |
|                           |                           | 15.120.155 <sup>2</sup>      |        |                          |
|                           |                           | 16.361.499 <sup>3</sup>      |        |                          |
|                           |                           | 16.361.820 <sup>4</sup>      |        |                          |
|                           | 11                        | 16.903.550                   | 1      | One-way clutch           |
|                           | 12                        | 16.281.299                   | 1      | Intermediate cover       |
|                           |                           | 15.120.154                   | 1      | Bush                     |
|                           | 13                        | 15.200.007                   | 1      | Ring                     |
|                           |                           | 15.300.042                   | 1      | Ring                     |
|                           |                           | 15.300.057 <sup>1/2</sup>    | 2      | Pin                      |
| 15.300.594 <sup>3/4</sup> |                           |                              |        |                          |
| D 6                       |                           | 1                            | Washer |                          |
| M 6                       |                           | 1                            | Nut    |                          |
| 15.401.009                |                           | 1                            | Washer |                          |
| 15.300.027                |                           | 1                            | Washer |                          |
| 15.300.028                |                           | 2                            | Washer |                          |
| 15.900.204                |                           | 1                            | Washer |                          |

<sup>1</sup> starter AZJ 3124(12 V)

<sup>2</sup> starter AZJ 3353(24 V)

<sup>3</sup> starter AZJ 3385 (12 V)

<sup>4</sup> starter AZJ 3381 (24 V)

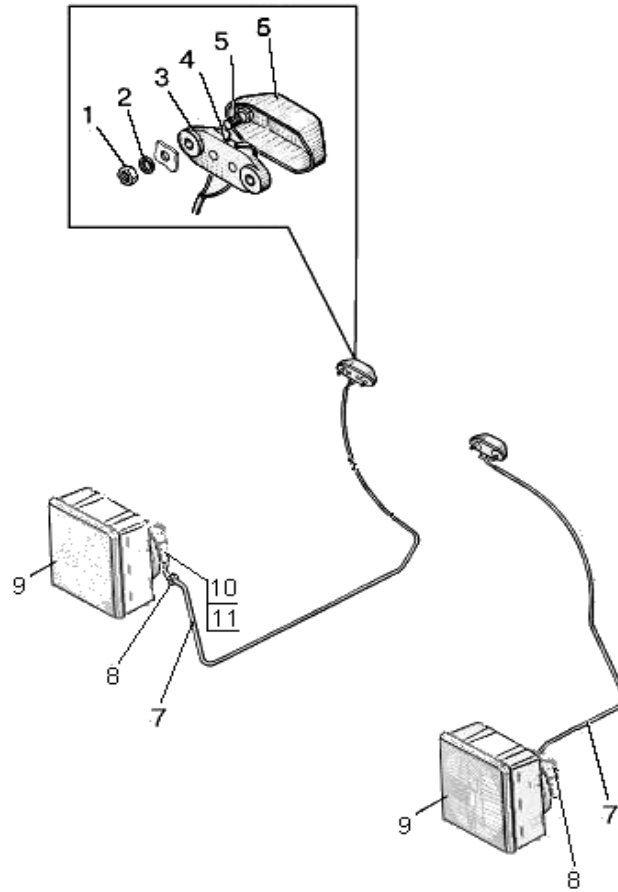


Fig.37.11. Road headlight assembly

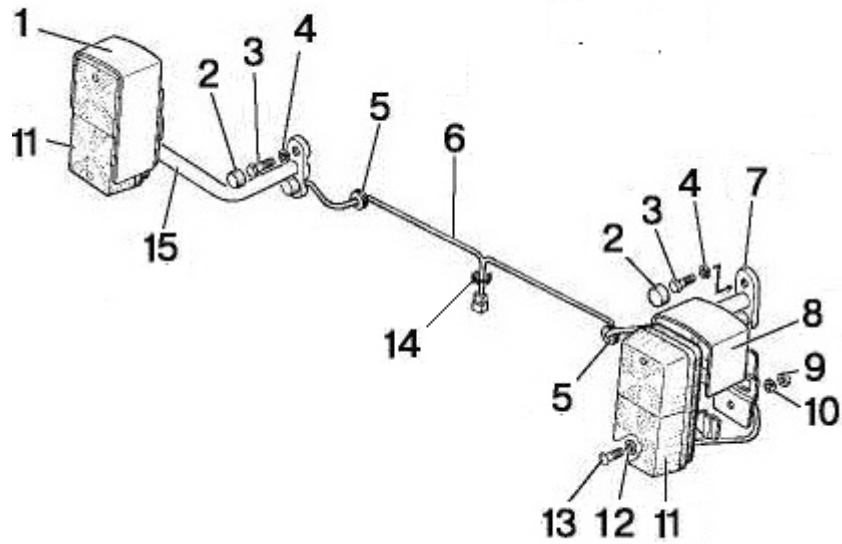


Fig.37.12. Front light assembly

**Group 37. Electric equipment  
Subgroup 3711. Road headlight assembly.**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description            |
|----------|----------|---------------------------------|------|------------------------|
| 37.11    | 1        | M5-6H.6.019 ГОСТ 5927-70        | 6    | Nut                    |
|          | 2        | 5T OCT 37.001.115-75            | 4    | Washer                 |
|          | 3        | 3723.15                         | 2    | Two-contact back plane |
|          | 4        | 80-3723056                      | 4    | Slat                   |
|          | 5        | B.M5-6gx22.58.019 ГОСТ 17473-80 | 4    | Screw                  |
|          | 6        | 70-3723036-01                   | 2    | Cover                  |
|          | 7        | 80-3724025-Г                    | 2    | Bundle                 |
|          | 8        | 70-3723042-01                   | 2    | Bush                   |
|          | 9        | 087101000                       | 1    | Headlight              |
|          | 10       | M6-6H.6.019 ГОСТ 5915-70        | 8    | Nut                    |
|          | 11       | 6T OCT 37.001.115-75            | 8    | Washer                 |

**Group 37. Electric equipment  
Subgroup 3712. Front light assembly.**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description                           |
|----------|----------|---------------------------------|------|---------------------------------------|
| 37.12    | 1        | 85-3712045                      | 1    | Cover                                 |
|          | 2        | A30.04.017-01                   | 4    | Cap                                   |
|          | 3        | M8-6gx20.88.35.019 ГОСТ 7796-70 | 4    | Bolt                                  |
|          | 4        | 8T OCT 37.001.115-75            | 4    | Washer                                |
|          | 5        | 70-3723042-01                   | 2    | Bush                                  |
|          | 6        | H80-3724131                     | 1    | Bundle                                |
|          | 7        | H80-3712040                     | 1    | Bracket                               |
|          | 8        | 85-3712045-01                   | 1    | Cover                                 |
|          | 9        | M6-6H.6.019 ГОСТ 5915-70        | 4    | Nut                                   |
|          | 10       | 6T OCT 37.001.115-75            | 4    | Washer                                |
|          | 11       | 3712.10                         | 2    | Front light with side repeater signal |
|          | 12       | C 6.01.019 ГОСТ 11371-78        | 4    | Washer                                |
|          | 13       | B.M6-6gx18.58.019 ГОСТ 17473-80 | 4    | Screw                                 |
|          | 14       | 70-3723042-02                   | 1    | Bush                                  |
|          | 15       | 80-3723040                      | 1    | Bracket                               |

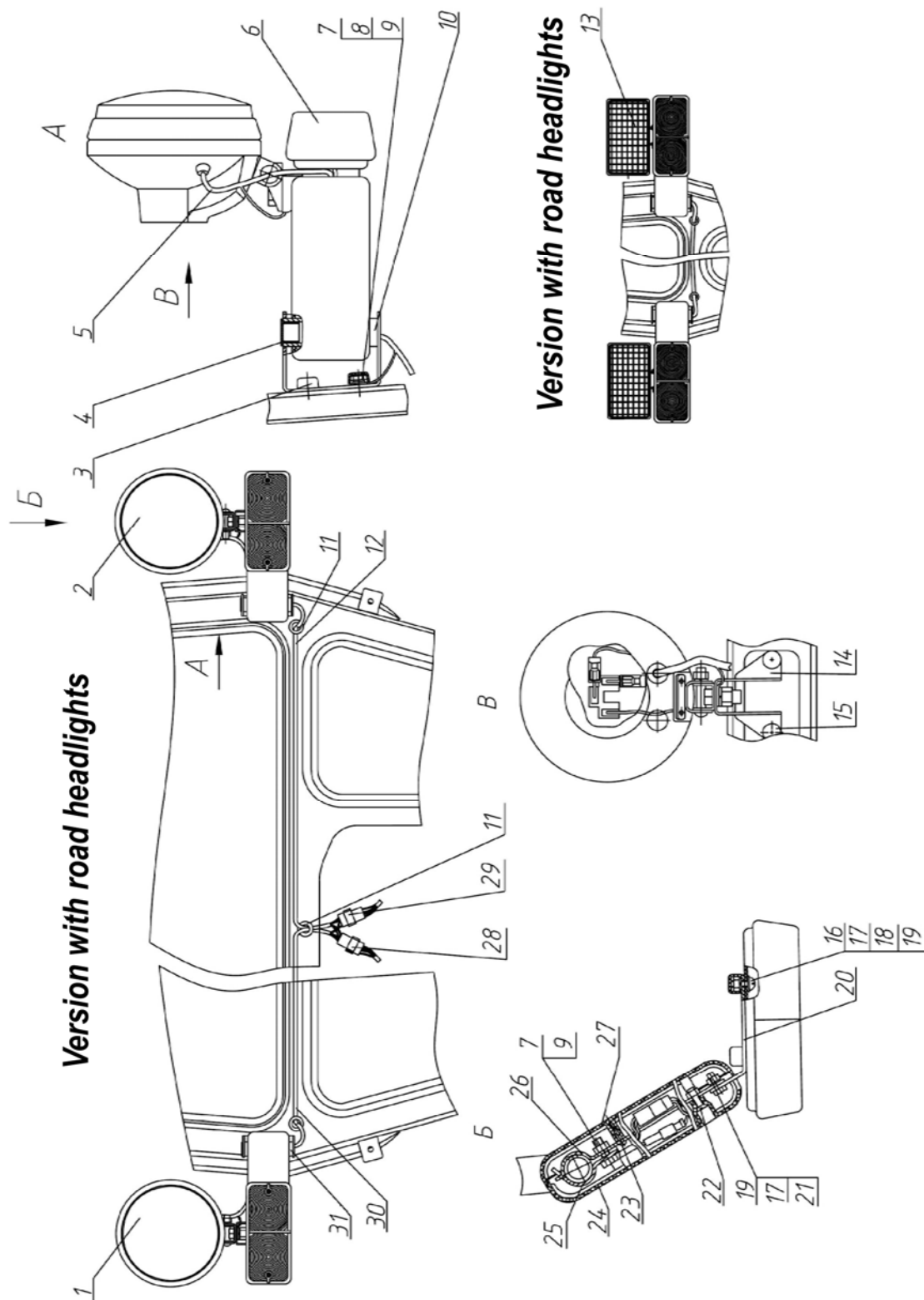


Fig.37.13. Front light assembly

**Group 37. Electric equipment  
Subgroup 3712. Front light assembly.**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                | <b>Q-ty</b> | <b>Description</b>                    |
|-----------------|-----------------|-----------------------------------|-------------|---------------------------------------|
| 37.13           | 1               | 8703.302/1-01                     | 1           | Right road headlight                  |
|                 | 2               | 8703.302/01-01                    | 1           | Left road headlight                   |
|                 | 3               | A30.04.017-01                     | 4           | Cap                                   |
|                 | 4               | 36-4603079-B2                     | 2           | Choke                                 |
|                 | 5               | 920-3724141                       | 2           | Bundle                                |
|                 | 6               | 3712.10                           | 1           | Front light with side repeater signal |
|                 | 7               | M8-6gx20.88.35.019 ГОСТ 7796-70   | 8           | Bolt                                  |
|                 | 8               | C 8.01.019 ГОСТ 6958-78           | 4           | Washer                                |
|                 | 9               | 8T OCT 37.001.115-75              | 8           | Washer                                |
|                 | 10              | 920-3712025-B                     | 1           | Bracket                               |
|                 | 11              | 70-3723042-02                     | 3           | Bush                                  |
|                 | 12              | 920-3724131-A                     | 1           | Bundle                                |
|                 | 13              | 8724.304/011                      | 2           | Working light                         |
|                 | 14              | 920-3711011                       | 2           | Bracket                               |
|                 | 15              | A30.04.017                        | 4           | Cap                                   |
|                 | 16              | B.M6-6gx18.58.019 ГОСТ 17473-80   | 4           | Screw                                 |
|                 | 17              | M6-6H.6.019 ГОСТ 5915-70          | 8           | Nut                                   |
|                 | 18              | C 6.01.019 ГОСТ 11371-78          | 4           | Washer                                |
|                 | 19              | 6T OCT 37.001.115-75              | 8           | Washer                                |
|                 | 20              | 920-3712012                       | 2           | Bracket                               |
|                 | 21              | M6-6gx18.88.35.019 ГОСТ 7798-70   | 4           | Bolt                                  |
|                 | 22              | B.M6-6gx20.58.019 ГОСТ 17475-80   | 4           | Screw                                 |
|                 | 23              | 4x10.019 ТУ РБ 400024166.001-2000 | 8           | Wood screw                            |
|                 | 24              | 920-3712021                       | 2           | Cover                                 |
|                 | 25              | 920-3712013                       | 2           | Cramp                                 |
|                 | 26              | 920-3712010                       | 2           | Bracket                               |
|                 | 27              | 920-3712022                       | 2           | Cover                                 |
|                 | 28              | 602604                            | 1           | Female connector                      |
|                 | 29              | 502604                            | 1           | Male connector                        |
|                 | 30              | 920-3724132-A ГОСТ 23544-84       | 1           | Bundle                                |
|                 | 31              | 920-3712025-B-01                  | 1           | Bracket                               |

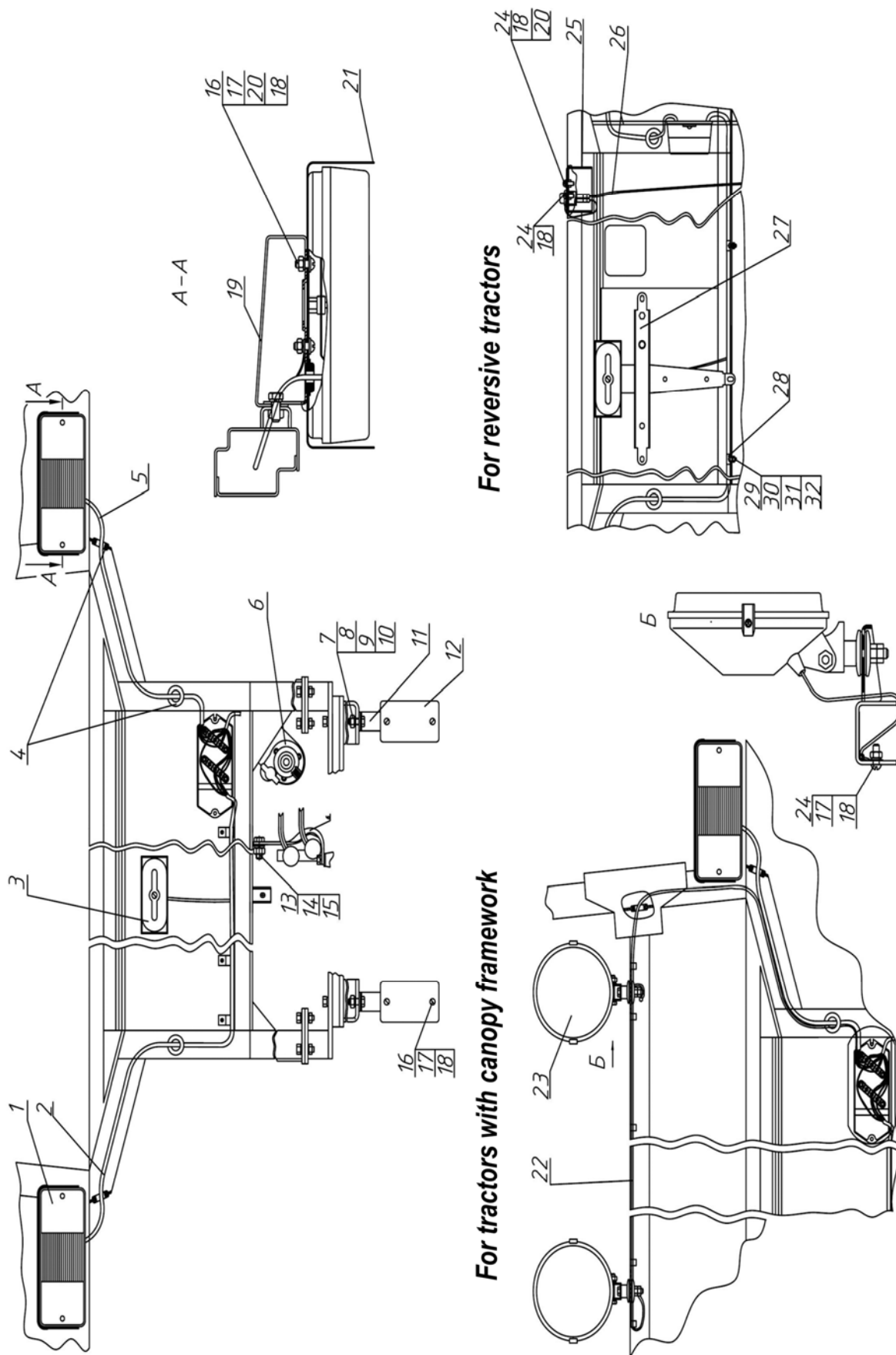


Fig.37.14. Rear light assembly



**Group 37. Electric equipment  
Subgroup 3716. Rear light assembly**

| Fig. No. | Pos. No.                 | Designation                      | Q-ty   | Description                   |
|----------|--------------------------|----------------------------------|--------|-------------------------------|
| 37.14    | 1                        | 3716.10                          | 2      | Rear light                    |
|          | 2                        | 85-3724163                       | 1      | Bundle (with metallic shells) |
|          |                          | 920-3724163                      | 1      | Bundle (with plastic shells)  |
|          | 3                        | 3717.10                          | 1      | Number plate light            |
|          | 4                        | 70-3723042-02                    | 4      | Bush                          |
|          | 5                        | 85-3724162                       | 1      | Bundle (with metallic shells) |
|          |                          | 920-3724162                      | 1      | Bundle (with plastic shells)  |
|          | 6                        | 3723.10                          | 1      | Trailer socket                |
|          | 7                        | M10-6gx25.88.35.019 ГОСТ 7796-70 | 2      | Bolt                          |
|          | 8                        | M10-6H.6.019 ГОСТ 5915-70        | 2      | Nut                           |
|          | 9                        | C 10.01.019 ГОСТ 6958-78         | 2      | Washer                        |
|          | 10                       | 10 OT OCT 37.001.115-75          | 2      | Washer                        |
|          | 11                       | Φ50-3731011                      | 2      | Bracket                       |
|          | 12                       | 3731.10                          | 2      | Cat's eye                     |
|          | 13                       | M12-6gx25.88.35.019 ГОСТ 7796-70 | 1      | Bolt                          |
|          | 14                       | M12-6H.6.019 ГОСТ 5915-70        | 1      | Nut                           |
|          | 15                       | 12 OT OCT 37.001.115-75          | 1      | Washer                        |
|          | 16                       | B.M6-6gx18.58.019 ГОСТ 17473-80  | 8      | Screw                         |
|          | 17                       | M6-6H.6.019 ГОСТ 5915-70         | 10     | Nut                           |
|          | 18                       | 6T OCT 37.001.115-75             | 10     | Washer                        |
|          | 19                       | 85-3716012                       | 2      | Bracket                       |
|          | 20                       | C 6.01.019 ГОСТ 11371-78         | 4      | Washer                        |
|          | 21                       | 85-3716015                       | 2      | Cover                         |
|          | 22                       | 80-3724005                       | 1      | Bundle                        |
|          | 23                       | 8724.31/2021                     | 2      | Working light                 |
|          | 24                       | B.M6-6gx16.58.019 ГОСТ 17473-80  | 2      | Screw                         |
|          | 25                       | 80B-3710010                      | 1      | Panel                         |
|          | 26                       | 80-3724036                       | 1      | Wire                          |
|          | 27                       | 80B-3716020-Б                    | 1      | Bracket                       |
|          | 28                       | 80-3723043                       | 3      | Cramp                         |
|          | 29                       | B.M5-6gx12.58.019 ГОСТ 17473-80  | 3      | Screw                         |
|          | 30                       | M5-6H.6.019 ГОСТ 5927-70         | 3      | Nut                           |
| 31       | C 5.01.019 ГОСТ 11371-78 | 3                                | Washer |                               |
| 32       | 5T OCT 37.001.115-75     | 3                                | Washer |                               |

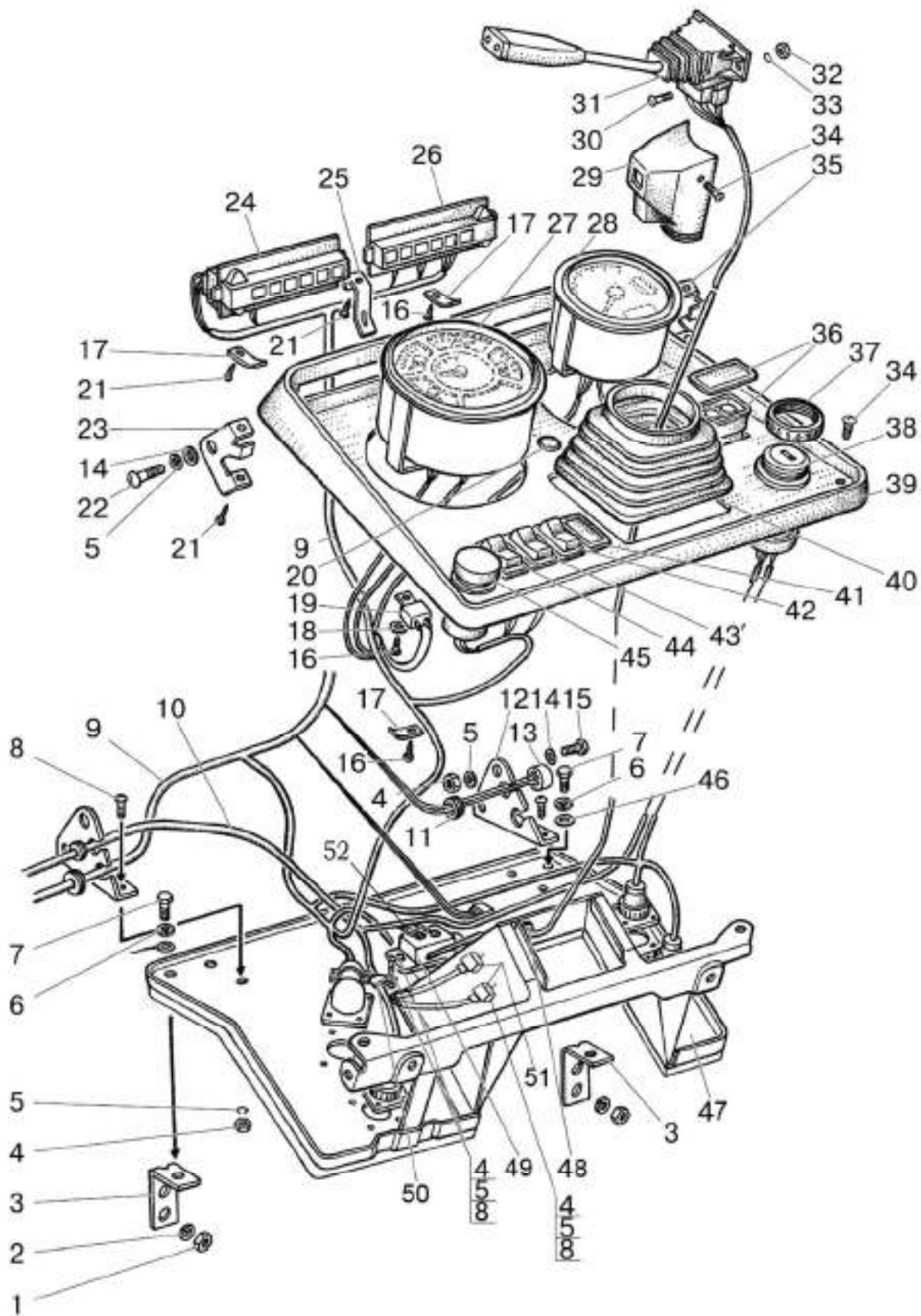


Fig. 38.1. Base, instruments

**Group 38. Instrumentation  
Subgroup 3805. Base, instruments**

| Fig. No. | Pos. No.     | Designation                       | Q-ty                               | Description   |
|----------|--------------|-----------------------------------|------------------------------------|---|
| 38.1     |              | 80-3805010-Д1                     | 1                                  | Dashboard (1-52)  |
|          | 1            | M10-6H.6.019 ГОСТ 5915-70         | 2                                  | Nut   |
|          | 2            | 10 OT OCT 37.001.115-75           | 2                                  | Washer  |
|          | 3            | 80-3805030                        | 2                                  | Bracket   |
|          | 4            | M6-6H.6.019 ГОСТ 5915-70          | 11                                 | Nut   |
|          | 5            | 6T OCT 37.001.115-75              | 13                                 | Washer  |
|          | 6            | 8T OCT 37.001.115-75              | 2                                  | Washer  |
|          | 7            | M8-6gx16.88.35.019 ГОСТ 7796-70   | 2                                  | Bolt  |
|          | 8            | B.M6-6gx12.58.019 ГОСТ 17473-80   | 9                                  | Screw   |
|          | 9            | 80-3724395-Г                      | 1                                  | Bundle  |
|          | 10           | 80-3724512-B1                     | 1                                  | Bundle  |
|          |              | 80-3724517-B1*                    | 1                                  | Bundle  |
|          |              | 82П-3724317**                     | 1                                  | Bundle  |
|          | 11           | 70-3723042-01                     | 1                                  | Bush  |
|          | 12           | 80-3805043                        | 1                                  | Bracket   |
|          | 13           | 3747.15                           | 1                                  | Parking brake lamp relay                                  |
|          | 14           | C 6.01.019 ГОСТ 11371-78          | 6                                  | Washer  |
|          | 15           | M6-6gx16.88.35.019 ГОСТ 7798-70   | 4                                  | Bolt  |
|          | 16           | 4x10.019 ТУ РБ 400024166.001-2000 | 4                                  | Wood screw  |
|          | 17           | 80-3723026                        | 4                                  | Cramp   |
|          | 18           | C 5.01.019 ГОСТ 11371-78          | 1                                  | Washer  |
|          | 19           | 3747.20                           | 1                                  | Signalling relay  |
|          | 20           | 80-3805064                        | 1                                  | Choke   |
|          | 21           | 4x16.019 ТУ РБ 400024166.001-2000 | 7                                  | Wood screw  |
|          | 22           | B.M6-6gx18.58.019 ГОСТ 17473-80   | 2                                  | Screw   |
|          | 23           | 80-3805035-01                     | 1                                  | Bracket   |
|          | 24           | 3803.15                           | 1                                  | Pilot lamp block  |
|          | 25           | 80-3805015                        | 1                                  | Bracket   |
|          | 26           | 3803.10                           | 1                                  | Pilot lamp block  |
|          | 27           | 3801.15                           | 1                                  | Combination meter КП-5                                    |
|          | 28           | 3813.10                           | 1                                  | Tachospeedimeter  |
|          | 29           | 80-3709023-B                      | 1                                  | Housing (with the switch ПКП-1 or ПКП-1А)                 |
|          |              | 80-3709023                        | 1                                  | Housing (with the switch 3912.3769 or 3912.3769-01)       |
|          | 30           | B.M5-6gx12.58.019 ГОСТ 17473-80   | 2                                  | Screw   |
|          | 31           | ПКП-1 or ПКП-1А***                | 1                                  | Steering-wheel-mounted switch (with housing 80-3709023-B) |
|          |              | 3912.3769 or 3912.3769-01***      | 1                                  | Steering-wheel-mounted switch (with housing 80-3709023)   |
|          | 32           | M5-6H.6.019 ГОСТ 5927-70          | 2                                  | Nut   |
|          | 33           | 5T OCT 37.001.115-75              | 2                                  | Washer  |
|          | 34           | B.M6-6gx12.58.019 ГОСТ 17473-80   | 4                                  | Screw   |
|          | 35           | 80-3805035                        | 1                                  | Bracket   |
|          | 36           | 3813.15                           | 1                                  | Control panel   |
| 37       | 80-3805014   | 1                                 | Nut                                |   |
| 38       | 3710.45      | 1                                 | Starter and instrumentation switch |   |
| 38a      | 822-3805013  | 1                                 | Nameplate                          |   |
| 39       | 80-3805021-Б | 1                                 | Shield                             |   |
| 40       | 80-3805012-Б | 1                                 | Seal                               |   |
| 41       | 80-3801327   | 1                                 | Choke                              |   |
|          | 3710.55*     | 1                                 | Battery disconnection switch       |   |

\* With the storage battery located outside the cab

\*\* With electric torch pre-heater

\*\*\* With steering column 85П-3401100

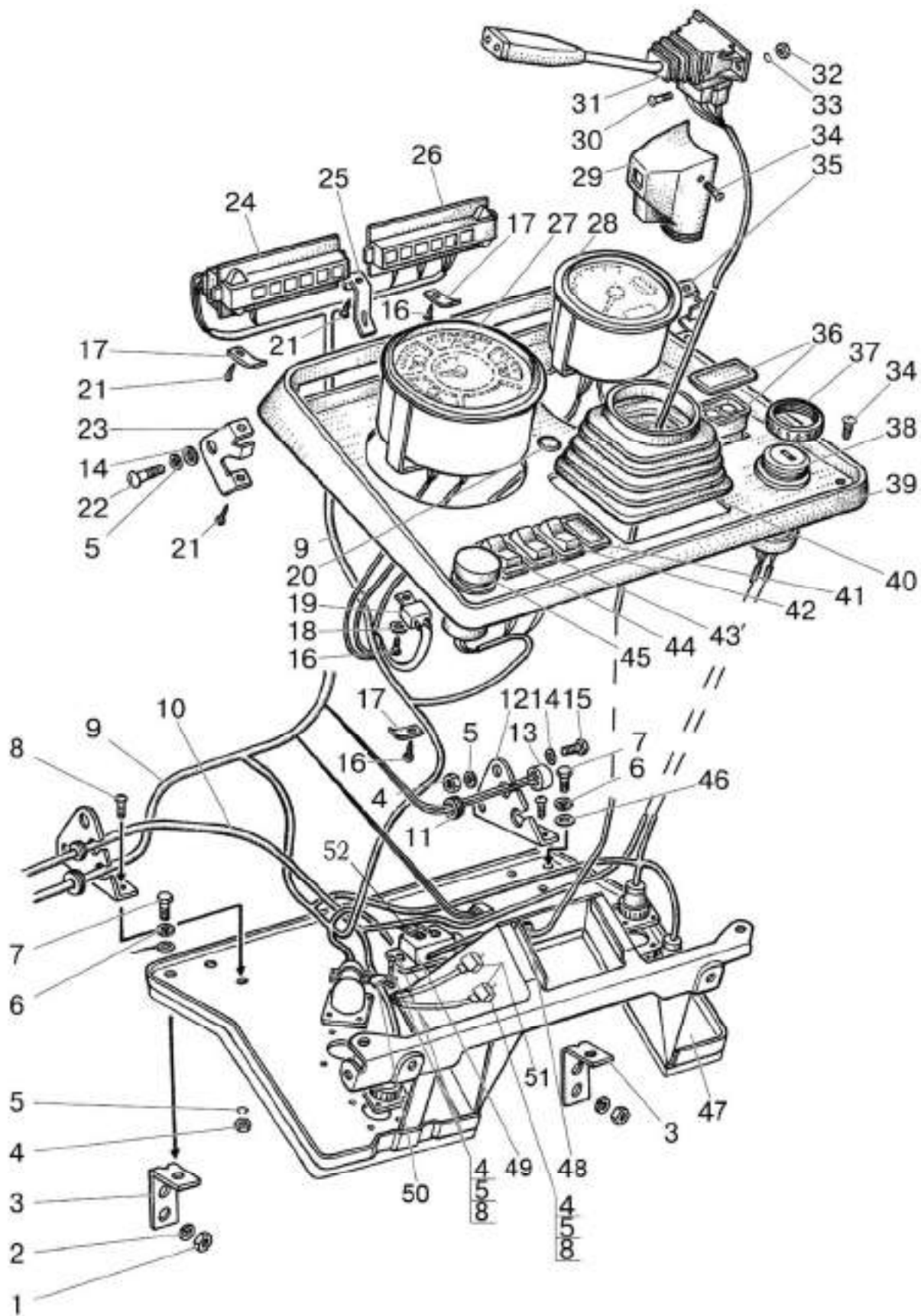


Fig. 38.1. Base, instruments

**Group 38. Instrumentation  
Subgroup 3805. Base, instruments**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>       | <b>Q-ty</b> | <b>Description</b>       |
|-----------------|-----------------|--------------------------|-------------|--------------------------|
| 38.1            | 42              | 3710.50**                | 1           | Starting aid switch      |
|                 |                 | 80-3801327               | 1           | Choke                    |
|                 | 43              | 3710.50                  | 1           | Windscreen washer switch |
|                 | 44              | 3709.20                  | 1           | Light switch             |
|                 | 45              | 3710.10                  | 1           | Fault signalling switch  |
|                 | 46              | C 8.01.019 ГОСТ 11371-78 | 1           | Washer                   |
|                 | 47              | 80-3805050-Б1-02         | 1           | Base                     |
|                 | 48              | 50-4607064               | 1           | Bush                     |
|                 | 49              | 3741.20**                | 1           | Additional resistor      |
|                 | 50              | 80-3723036               | 1           | Cramp                    |
|                 | 51              | 3747.50                  | 2           | NO relay 30A             |
|                 | 52              | 80-3724610-Б**           | 1           | Bundle                   |

\* With the storage battery located outside the cab

\*\* With electric torch pre-heater

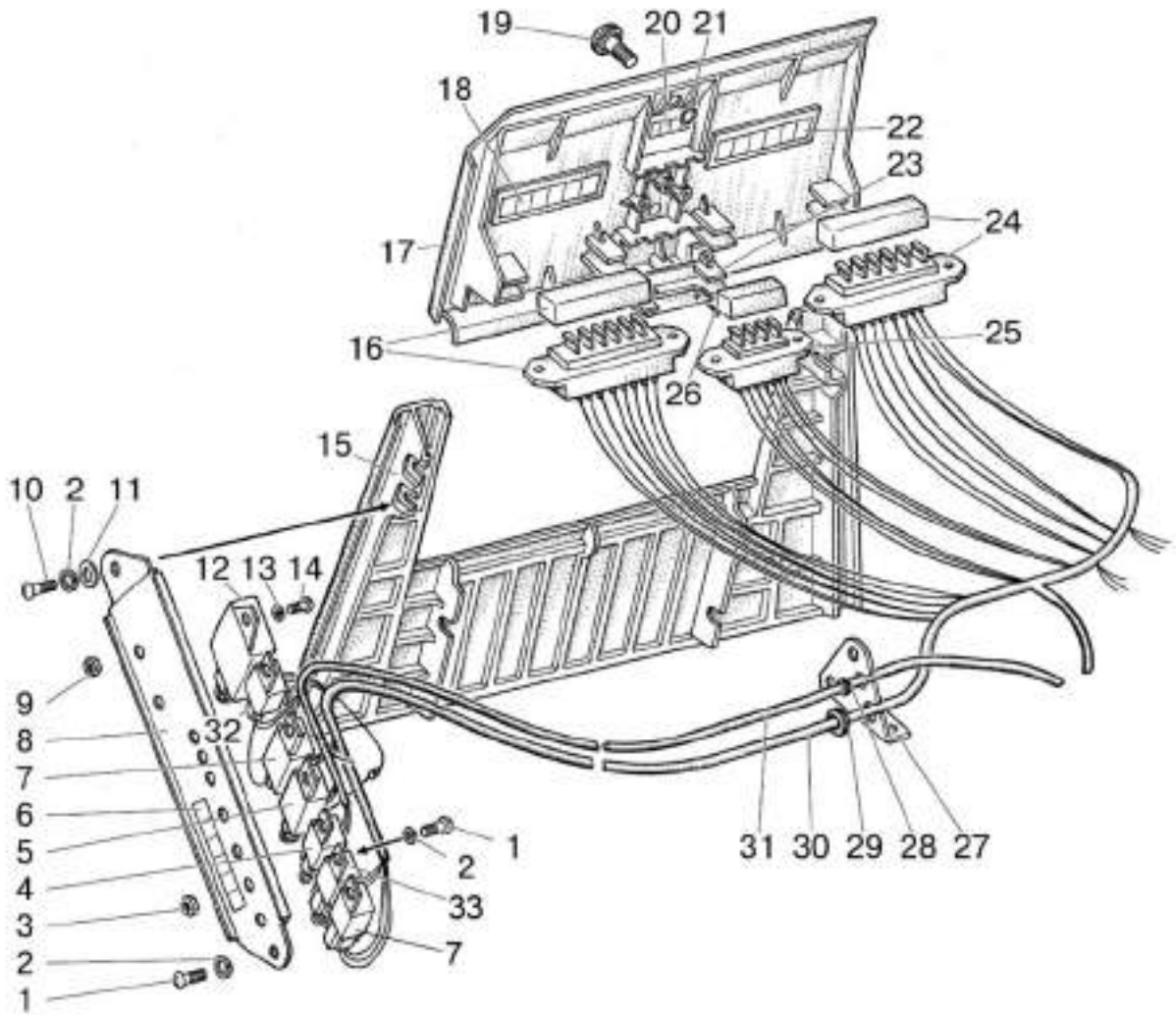


Fig. 38.2. Wall, cover

**Group 38. Instrumentation  
Subgroup 3805. Wall, cover**

| Fig. No. | Pos. No. | Designation                          | Q-ty                         | Description            |
|----------|----------|--------------------------------------|------------------------------|------------------------|
| 38.2     | 1        | B.M6-6gx12.58.019 ГОСТ 17473-80      | 5                            | Screw                  |
|          | 2        | 6T OCT 37.001.115-75                 | 6                            | Washer                 |
|          | 3        | M6-6H.6.019 ГОСТ 5915-70             | 4                            | Nut                    |
|          | 4        | 3747.25                              | 1                            | Starter relay          |
|          | 5        | 3747.40                              | 1                            | NC relay 20 A          |
|          | 6        | 80-3805025-Г                         | 1                            | Nameplate              |
|          | 7        | 3747.50                              | 2*                           | NO relay 30 A          |
|          |          | 3747.50                              | 1                            | NO relay 30 A          |
|          | 8        | 80-3805070                           | 1                            | Panel                  |
|          | 9        | M5-6H.6.019 ГОСТ 5927-70             | 1                            | Nut                    |
|          | 10       | B.M6-6gx18.58.019 ГОСТ 17473-80      | 1                            | Screw                  |
|          | 11       | C 6.01.019 ГОСТ 11371-78             | 1                            | Washer                 |
|          | 12       | 3747.10                              | 1                            | Turn indicator flasher |
|          | 13       | 5T OCT 37.001.115-75                 | 1                            | Washer                 |
|          | 14       | B.M5-6gx16.58.019 ГОСТ 17473-80      | 1                            | Screw                  |
|          | 15       | 80-3805041                           | 1                            | Wall                   |
|          | 16       | 3722.15                              | 1                            | Fuse box               |
|          | 17       | 80-3805061                           | 1                            | Cover                  |
|          | 18       | 80-3805027-B                         | 1                            | Nameplate              |
|          | 19       | 80-3805065                           | 1                            | Screw                  |
|          | 20       | 80-3805037-Г                         | 1                            | Nameplate              |
|          | 21       | 006-010-25-1-4 ГОСТ 18829-73/9833-73 | 1                            | Ring                   |
|          | 22       | 80-3805026                           | 1                            | Nameplate              |
|          | 23       | ИКСУ 741134.002                      | 1                            | Holder                 |
|          | 24       | 3722.10                              | 1                            | Fuse box               |
|          | 25       | 3722.35                              | 1                            | Fuse box               |
|          | 26       | 4x10.019 ТУ РБ 400024166.001-2000    | 2                            | Wood screw             |
|          | 27       | 80-3805043                           | 1                            | Bracket                |
|          | 28       | 70-3723042-01                        | 1                            | Bush                   |
|          | 29       | 70-3723042-02                        | 1                            | Bush                   |
|          | 30       | 80-3724395-Г                         | 1                            | Bundle                 |
|          | 31       | 80-3724512-B1                        | 1                            | Bundle                 |
|          |          | 80-3724517-B1**                      | 1                            | Bundle                 |
| 32       | 3747.30  | 1                                    | Instrumentation supply relay |                        |
| 33       | 3741.15* | 1                                    | Pre-heater control unit      |                        |
|          | 3741.10  | 1                                    | Block of glow plugs          |                        |

\* With electric torch pre-heater

\*\* With the storage battery located outside the cab

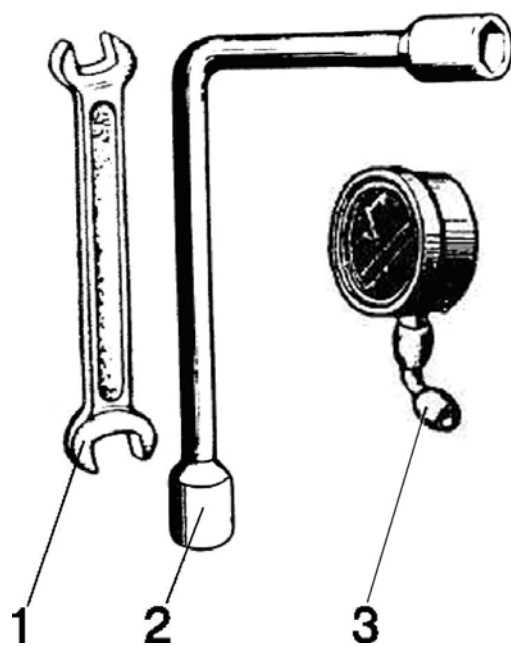


Fig.39.1. Operator tools

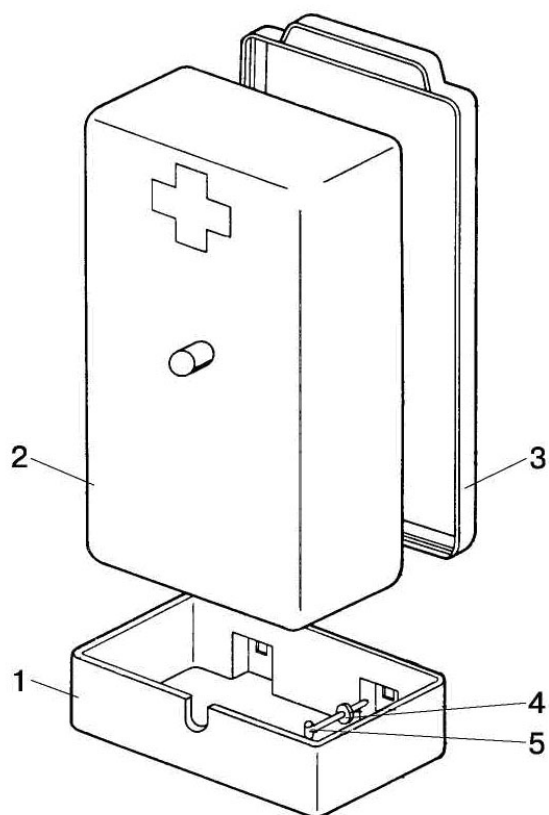


Fig.39.2. First-aid kit



**Group 39. Tools and accessories  
Subgroup 3901. Operator tools**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b>    |
|-----------------|-----------------|--|-------------|-----------------------|
| 39.1            | 1               | 70-3901038                                 | 1           | Wrench 41x46          |
|                 | 2               | 70-3901027                                 | 1           | Socket wrench S=27x32 |
|                 | 3               | МД214                                      | 1           | Pressure gauge        |

**Group 39. Tools and accessories  
Subgroup 3912. First-aid kit**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--|-------------|--------------------|
| 39.2            | 1               | 70-3912153-A                               | 1           | Bracket            |
|                 | 2               | 70-3912152                                 | 1           | Case               |
|                 | 3               | 70-3912151                                 | 1           | Cover              |
|                 | 4               | С 6.01.019 ГОСТ 11371-78                   | 3           | Washer             |
|                 | 5               | 70-3723033                                 | 3           | Cramp              |

Optionally

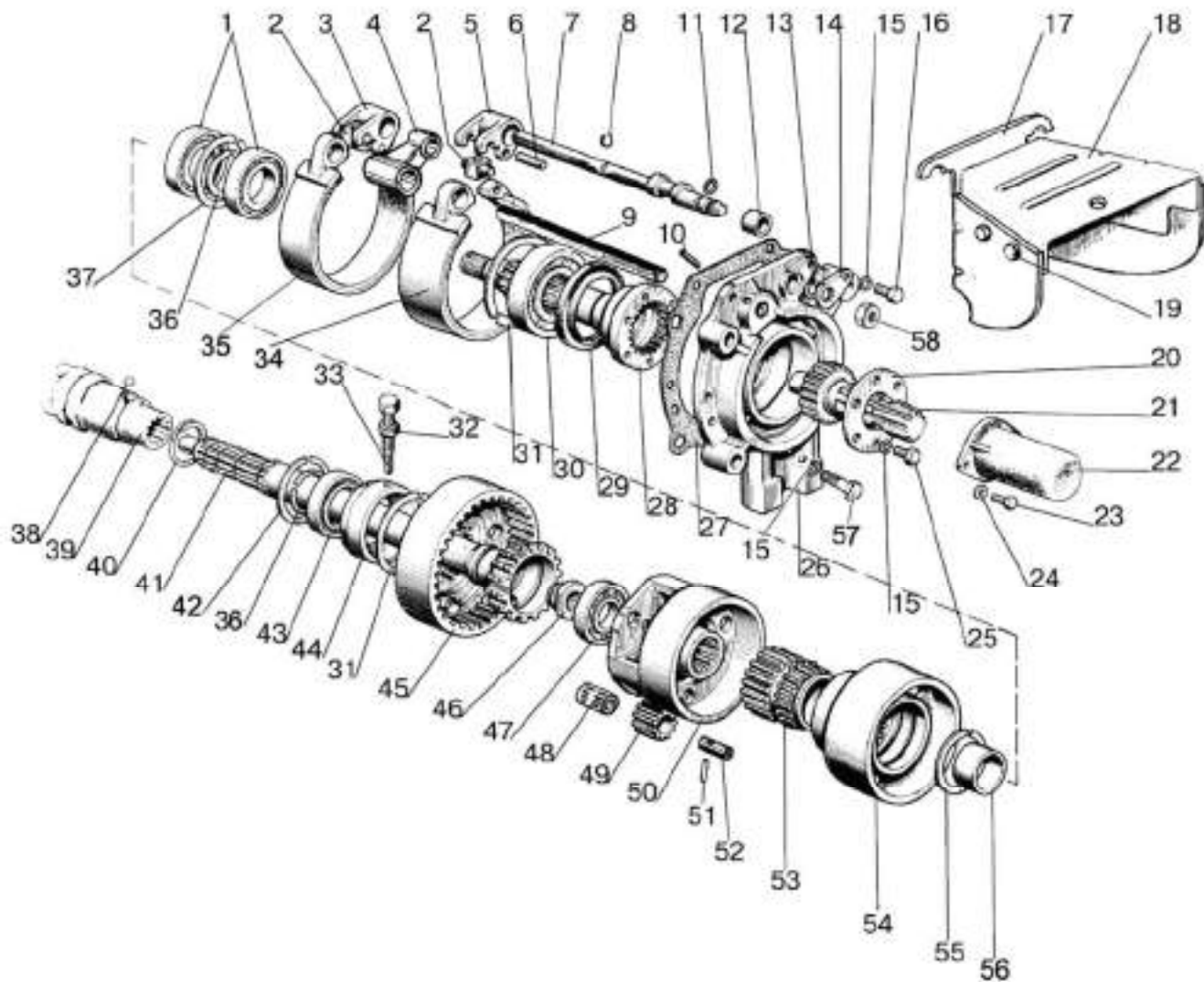


Fig.42.1. Rear power take-off shaft

**Group 42. Power take-off shaft  
Subgroup 4202. Rear power take-off shaft**

| Fig. No. | Pos. No.                          | Designation   | Q-ty  | Description                          |
|----------|-----------------------------------|---|---|--------------------------------------|
| 42.1     |                                   | 85-4202010  | 1   | Rear power take-off shaft            |
|          |                                   | 85-4202020  | 1   | Cover (1-16,20,21,25-31,34-37,46-56) |
|          |                                   | 70-4202030-A  | 1   | Crown gear (36, 38-45)               |
|          | 1                                 | 209A ГОСТ 8338-75   | 2   | Bearing                              |
|          | 2                                 | 50-4202078  | 2   | Pin                                  |
|          | 3                                 | 50-4202074  | 1   | Lever                                |
|          | 4                                 | 50-4202058  | 1   | Bracket                              |
|          | 5                                 | 85-4202074  | 1   | Lever                                |
|          | 6                                 | ШЛК 8x36  | 2   | Pin                                  |
|          | 7                                 | 80-4202076  | 1   | Shaft                                |
|          | 8                                 | 54.38.619   | 1   | Ring                                 |
|          | 9                                 | 70-4202072-Б  | 1   | Shaft                                |
|          | 10                                | A.8x20.65Г Chemical phosphate oil-impregnated coating ГОСТ 14229-93 | 1   | Pin                                  |
|          | 11                                | 014-018-25-2-2 ГОСТ 18829-73/9833-73                                | 1   | Ring                                 |
|          | 12                                | 80-4202082  | 1   | Bush                                 |
|          | 13                                | C18 ГОСТ 13940-86   | 1   | Ring                                 |
|          | 14                                | 85-4202079  | 1   | Plate                                |
|          | 15                                | 10 ОТ OCT 37.001.115-75   | 12  | Washer                               |
|          | 16                                | M10-6gx40.88.35.019 ГОСТ 7796-70                                    | 1   | Bolt                                 |
|          | 17                                | Φ70-4202095   | 1   | Hosing                               |
|          | 18                                | Φ70-4202092   | 1   | Cover                                |
|          | 19                                | M8-6gx16.88.35.019 ГОСТ 7796-70                                     | 4   | Bolt                                 |
|          |                                   | M8-6H.6.019 ГОСТ 5915-70  | 4   | Nut                                  |
|          |                                   | 8T OCT 37.001.115-75  | 4   | Washer                               |
|          |                                   | C 8.01.019 ГОСТ 11371-78  | 4   | Washer                               |
|          | 20                                | 80-4202081-A  | 1   | Plate                                |
|          | 21                                | 80-4202019-Б  | 1   | Shank (8 splines)                    |
|          |                                   | 80-4202019-Б-01   | 1   | Shank (6 splines) (optional)         |
|          |                                   | 80-4202019-Б-02   | 1   | Shank (21 splines) (optional)        |
|          | 22                                | 50-4202065-A  | 1   | Cap                                  |
|          | 23                                | M8-6gx16.88.35.019 ГОСТ 7796-70                                     | 2   | Bolt                                 |
|          | 24                                | 8T OCT 37.001.115-75  | 2   | Washer                               |
|          | 25                                | M10-6gx18.88.35.019 ГОСТ 7796-70                                    | 6   | Bolt                                 |
|          | 26                                | 80-4202042-Б  | 1   | Cover                                |
|          | 27                                | 50-4202092A   | 1   | Gasket                               |
|          | 28                                | 80-4202017-Б  | 1   | Shaft                                |
|          | 29                                | 2.2-80x105-1 ГОСТ 8752-79/<br>OCT 3805146-78                        | 1   | Cuff                                 |
|          | 30                                | 60310A ГОСТ 7242-81   | 1   | Bearing                              |
|          | 31                                | 2C110 ГОСТ 13941-86   | 2   | Ring                                 |
|          | 32                                | M12x1,25-6H.6.019 ГОСТ 5915-70                                      | 1   | Nut                                  |
| 33       | 50-4202068                        | 1   | Setting screw   |                                      |
| 34       | 85-4202100-01 or<br>85-4020100-02 | 1   | Tape with strap 85-4202057 (ТИИР 430) or tape with strap 85-4202057-A7 (ITB 2842) |                                      |
|          | 85-4202100                        | 1   | Tape with strap 85-4202056 (ТИИР 430)   |                                      |
| 35       | 85-4202100                        | 1   | Tape with strap 85-4202056 (ТИИР 430)   |                                      |
| 36       | 2C50 ГОСТ 13940-86                | 2   | Ring  |                                      |
| 37       | 2C85 ГОСТ 13941-86                | 1   | Ring  |                                      |
| 38       | 7,938-100 ГОСТ 3722-81            | 1   | Ball  |                                      |
| 39       | 50-4202046-Б                      | 1   | Shift collar  |                                      |
| 40       | A61.03.002                        | 1   | Ring  |                                      |

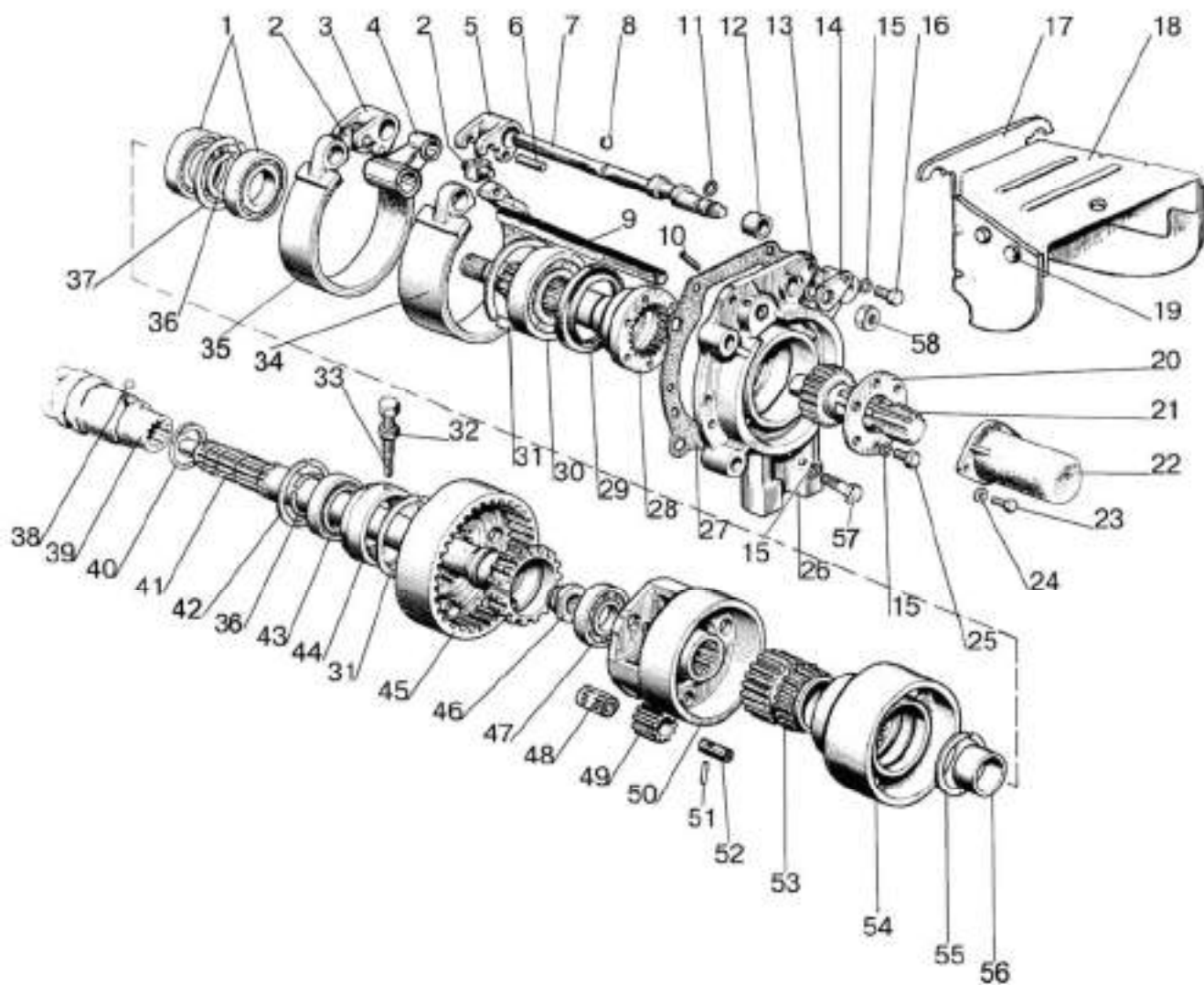


Fig.42.1. Rear power take-off shaft

**Group 42. Power take-off shaft  
Subgroup 4202. Rear power take-off shaft**

| Fig. No. | Pos. No. | Designation                      | Q-ty | Description  |
|----------|----------|----------------------------------|------|--------------|
| 42.1     | 41       | 70-4202044-Б                     | 1    | Shaft        |
|          | 42       | 2С90 ГОСТ 13941-86               | 1    | Ring         |
|          | 43       | 210 АУШ1 GOST8338-75             | 1    | Bearing      |
|          | 44       | 50-4702066-A                     | 1    | Cage         |
|          | 45       | 70-4202043                       | 1    | Crown gear   |
|          | 46       | 70-4202083-A                     | 1    | Nut          |
|          | 47       | 208A ГОСТ 8338-75                | 1    | Bearing      |
|          | 48       | KK20x26x34E ГОСТ 24310-80        | 3    | Bearing      |
|          | 49       | 70-4202024                       | 3    | Pinion       |
|          | 40       | 85-4202065                       | 1    | Carrier      |
|          | 51       | 70-4202431                       | 3    | Pin          |
|          | 52       | 70-4202026                       | 3    | Pinion shaft |
|          | 53       | 70-4202032                       | 1    | Sun gear     |
|          | 54       | 85-4202033                       | 1    | Drum         |
|          | 55       | 2С68 ГОСТ 13940-86               | 1    | Ring         |
|          | 56       | 70-4202077                       | 1    | Bush         |
|          | 57       | M10-6gx35.88.35.019 ГОСТ 7796-70 | 5    | Bolt         |
|          | 58       | M16x1,5-6H.6.019 ГОСТ 5915-70    | 4    | Nut          |
|          | 59       | 16 ОТ OCT 37.001.115-75          | 4    | Washer       |
|          | 60       | C 16.01.019 ГОСТ 6958-78         | 2    | Washer       |

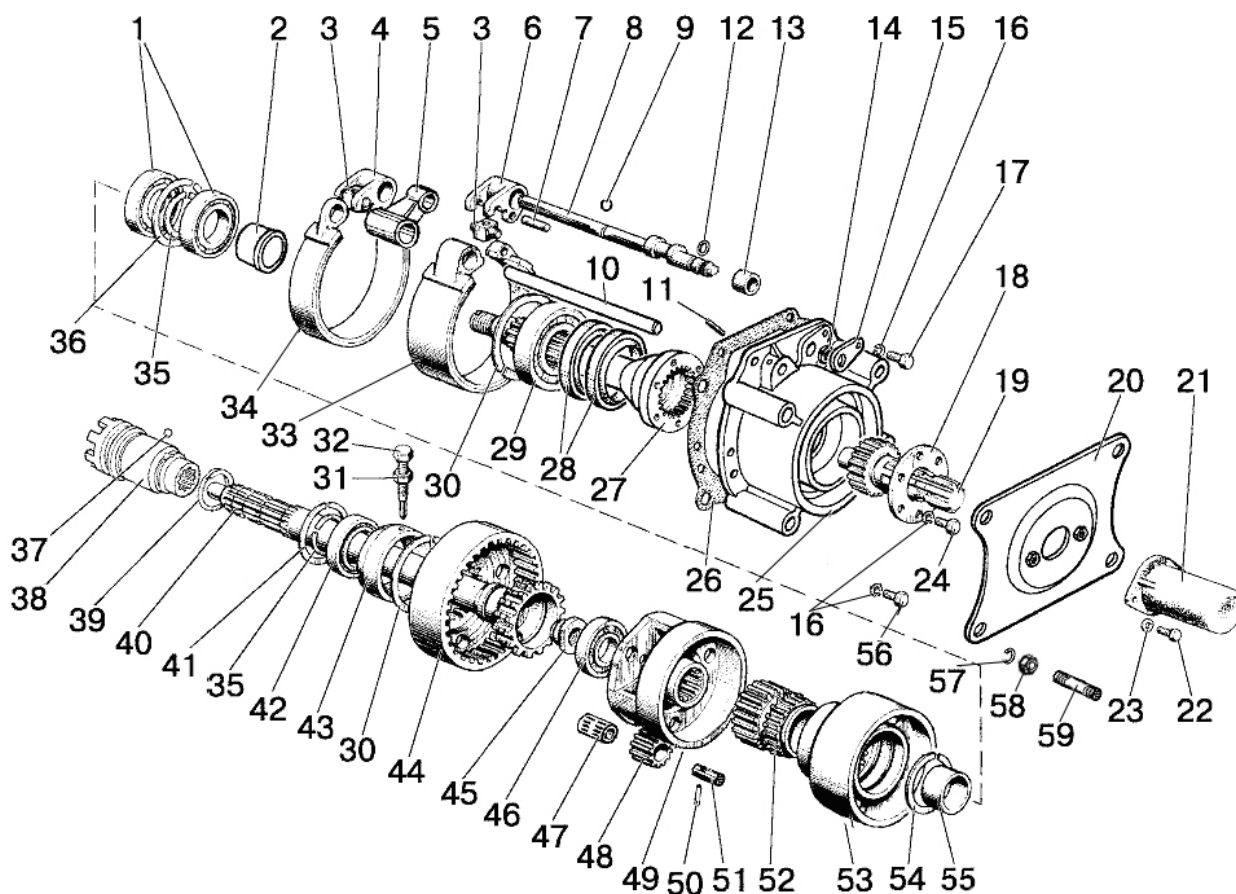


Fig.42.2. Rear power take-off shaft

**Group 42. Power take-off shaft  
Subgroup 4202. Rear power take-off shaft**

| Fig. No. | Pos. No.             | Number of the assembly unit or part         | Q-ty       | Description                                 |
|----------|----------------------|---|------------|---|
| 42.2     |                      | 1221-4202010-A                              | 1          | Rear PTO shaft                              |
|          |                      | 1221-4202020-A                              | 1          | Cover (1-16, 20, 21, 25-31, 35-37, 47-56)   |
|          |                      | 70-4202030-A                                | 1          | Crown gear (38-46)                          |
|          | 1                    | 209A ГОСТ 8338-75                           | 2          | Bearing                                     |
|          | 2                    | 1221-4202077                                | 1          | Bush  |
|          | 3                    | 50-4202078                                  | 2          | Pin   |
|          | 4                    | 50-4202074                                  | 1          | Lever                                       |
|          | 5                    | 50-4202058                                  | 1          | Bracket                                     |
|          | 6                    | 85-4202074                                  | 1          | Lever                                       |
|          | 7                    | ШЦК 8x36                                    | 2          | Pin   |
|          | 8                    | 80-4202076                                  | 1          | Shaft                                       |
|          | 9                    | 54.38.619                                   | 1          | Ring  |
|          | 10                   | 70-4202072-Б                                | 1          | Ось   |
|          | 11                   | A.8x20.65Г                                  | 1          | Pin   |
|          | 12                   | 014-018-25-2-2 ГОСТ 18829-73/9833-73        | 1          | Ring  |
|          | 13                   | 80-4202082                                  | 1          | Bush  |
|          | 14                   | C18 ГОСТ 13940-86                           | 1          | Ring  |
|          | 15                   | 85-4202079                                  | 1          | Plate                                       |
|          | 16                   | 10 ОТ OCT 37.001.115-75                     | 12         | Washer                                      |
|          | 17                   | M10-6gx40.88.35.019 ГОСТ 7796-70            | 1          | Bolt  |
|          | 18                   | 80-4202081-A                                | 1          | Plate                                       |
|          | 19                   | 80-4202019-Б                                | 1          | Shank (with 8 splines)                      |
|          |                      | 80-4202019-Б-01*                            | 1          | Shank (with 6 splines)                      |
|          |                      | 80-4202019-Б-02*                            | 1          | Shank (with 21 splines)                     |
|          | 20                   | 1321-4202180                                | 1          | Plate                                       |
|          | 21                   | 50-4202065-A                                | 1          | Cap   |
|          | 22                   | M8-6gx16.88.35.019 ГОСТ 7796-70             | 2          | Bolt  |
|          | 23                   | 8T OCT 37.001.115-75                        | 2          | Washer                                      |
|          | 24                   | M10-6gx18.88.35.019 ГОСТ 7796-70            | 6          | Bolt  |
|          | 25                   | 1221-4202042                                | 1          | Cover                                       |
|          | 26                   | 50-4202092-A                                | 1          | Gasket                                      |
|          | 27                   | 1221-4202017                                | 1          | Shaft                                       |
|          | 28                   | 2.2-80x105-1<br>ГОСТ 8752-79/OCT 3805146-78 | 2          | Cuff  |
|          | 29                   | 60310A ГОСТ 7242-81                         | 1          | Bearing                                     |
|          | 30                   | 2C110 ГОСТ 13941-86                         | 1          | Ring  |
|          | 31                   | M12x1,25-6H.6.019 ГОСТ 5915-70              | 1          | Nut   |
|          | 32                   | 50-4202130                                  | 1          | Screw                                       |
|          | 33                   | 85-4202100-01 or                            | 1          | Tape with strap 85-4202057<br>(ТИИР 430)    |
|          |                      | 85-4202100-02                               |            | Tape with strap 85-4202057-A7<br>(ITB 2842) |
|          | 34                   | 85-4202100                                  | 1          | Tape with strap 85-4202056<br>(ТИИР 430)    |
|          | 35                   | 2C50 ГОСТ 13940-86                          | 2          | Ring  |
|          | 36                   | 2C85 ГОСТ 13941-86                          | 1          | Ring  |
|          | 37                   | 7,938-100 ГОСТ 3722-81                      | 1          | Ball  |
|          | 38                   | 50-4202046-Б                                | 1          | Shift collar                                |
|          | 39                   | A61.03.002                                  | 1          | Ring  |
| 40       | 70-4202044-Б         | 1   | Shaft      |   |
| 41       | 2C90 ГОСТ 13941-86   | 1   | Ring       |   |
| 42       | 210 АУШ1 GOST8338-75 | 1   | Bearing    |   |
| 43       | 50-4202066-A         | 1   | Cage       |   |
| 44       | 70-4202043           | 1   | Crown gear |   |
| 45       | 70-4202083-A         | 1   | Nut        |   |

\* Optionally

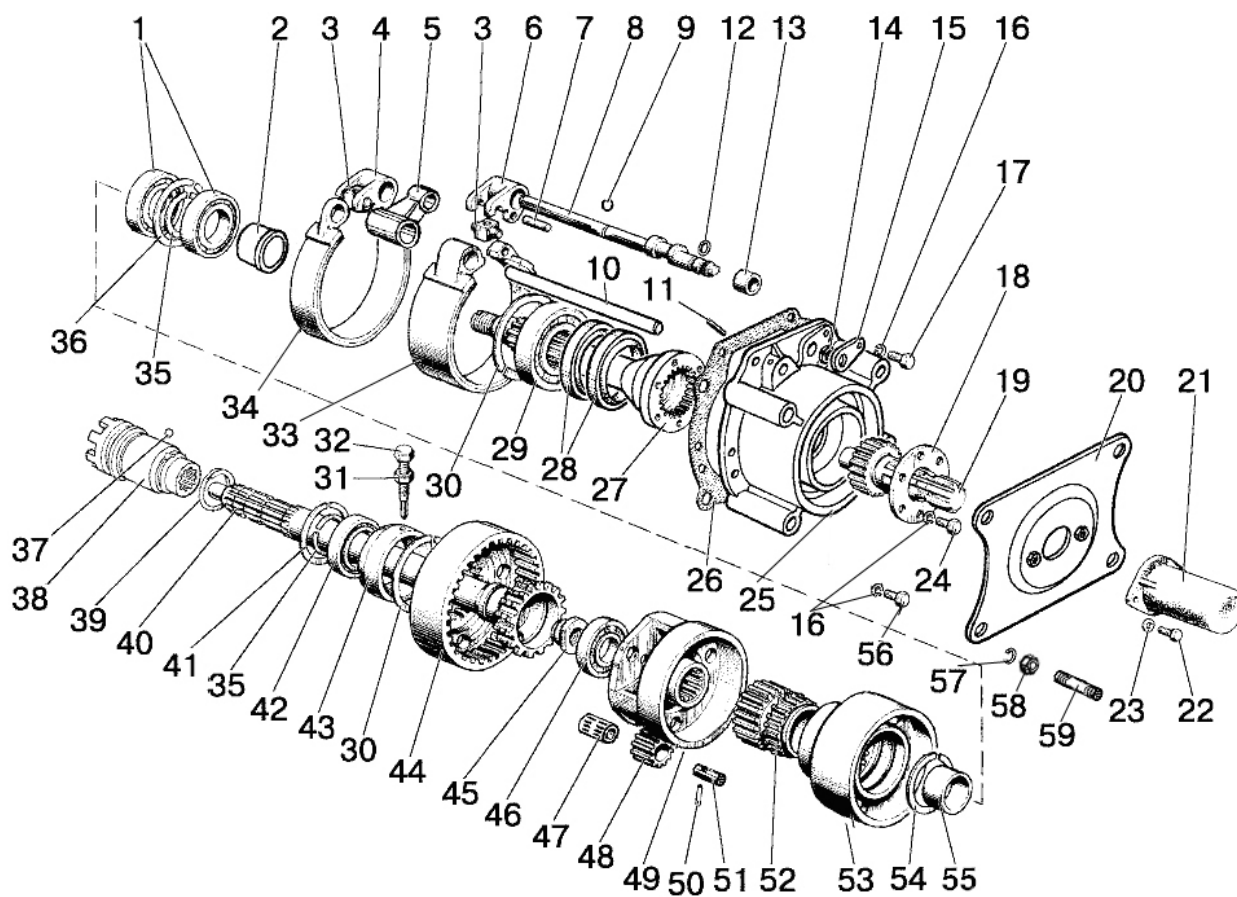


Fig.42.2. Rear power take-off shaft



**Group 42. Power take-off shaft  
Subgroup 4202. Rear power take-off shaft**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--|-------------|--------------------|
| 42.2            | 46              | 208A ГОСТ 8338-75                          | 1           | Bearing            |
|                 | 47              | KK20x26x34E ГОСТ 24310-80                  | 3           | Bearing            |
|                 | 48              | 70-4202024                                 | 3           | Pinion             |
|                 | 49              | 85-4202065                                 | 1           | Carrier            |
|                 | 50              | 70-4202431                                 | 3           | Pin                |
|                 | 51              | 70-4202026                                 | 3           | Pinion shaft       |
|                 | 52              | 70-4202032                                 | 1           | Sun gear           |
|                 | 53              | 85-4202033                                 | 1           | Drum               |
|                 | 54              | 2C68 ГОСТ 13940-86                         | 1           | Ring               |
|                 | 55              | 70-4202077                                 | 1           | Bush               |
|                 | 56              | M10-6gx50.88.35.019 ГОСТ 7795-70           | 5           | Bolt               |
|                 | 57              | 16 OT OCT 37.001.115-75                    | 4           | Washer             |
|                 | 58              | M16x1,5-6H.6.019 ГОСТ 5915-70              | 4           | Nut                |
|                 | 59              | 1221-4202028                               | 4           | Pin                |

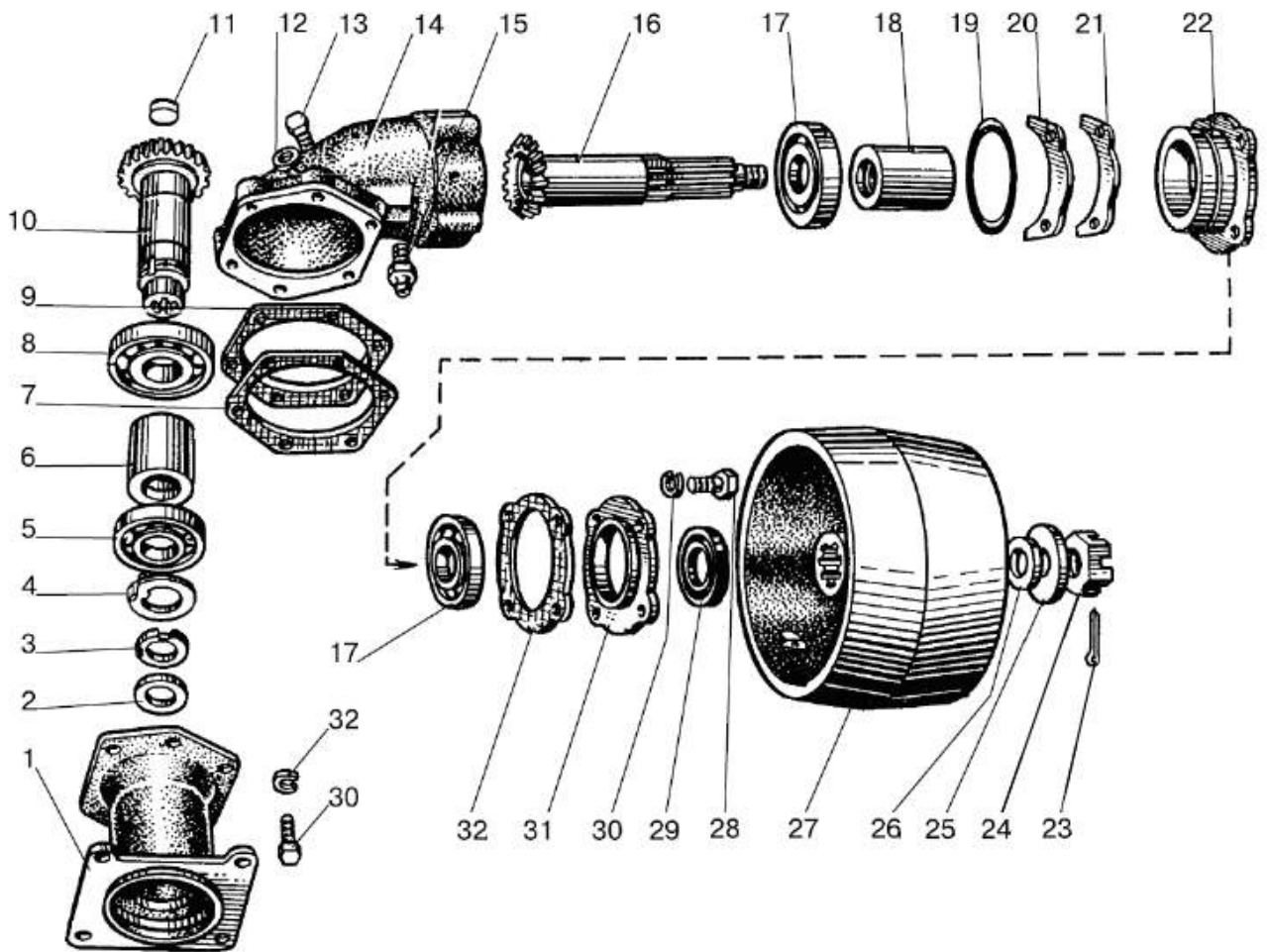


Fig.42.3. Driving pulley

**Group 42. Power take-off shaft  
Subgroup 4211. Driving pulley**

| Fig. No. | Pos. No.                                     | Designation                          | Q-ty   | Description   |
|----------|--|--------------------------------------|--------|---|
| 42.3     |  | 40-4211010-01                        | 1      | Driving pulley to be mounted on the eight-spline PTO shank (1-34) |
|          |  | 40-4211035                           | 1      | Casing (12-22, 30-34)   |
|          |  | 40-4211040                           | 1      | Driving shaft with 8 splines (3-6, 8, 10, 11)                     |
|          |  | 40-4211050                           | 1      | Hose pipe with 8 splines (1-6, 8, 10, 11)                         |
|          |  | 40-4211065                           | 1      | Shaft (16-13, 22)   |
|          | 1  | 40-4211052                           | 1      | Hose pipe   |
|          | 2  | КФА-50x70                            | 1      | Cuff 50x70  |
|          | 3  | 40-4211043                           | 1      | Nut   |
|          | 4  | 36-1701061                           | 1      | Washer  |
|          | 5  | 211 АУШ1 ГОСТ 8338-75                | 1      | Bearing   |
|          | 6  | 40-4211047                           | 1      | Bush  |
|          | 7  | 40-4211079                           | 1      | Gasket  |
|          | 8  | 311А ГОСТ 8338-75                    | 1      | Bearing   |
|          | 9  | 40-4211081                           | 1      | Gasket  |
|          | 10   | 40-4211045                           | 1      | Shaft with eight-spline socket                                    |
|          | 11   | 40-4211082                           | 1      | Choke   |
|          | 12   | ПК КГ 3/8"                           | 1      | Plug  |
|          | 13   | ПК КГ 3/4"                           | 2      | Plug  |
|          | 14   | 40-4211037                           | 1      | Casing  |
|          | 15   | СУ-1/8"-А                            | 1      | Breather  |
|          | 16   | 40-4211071                           | 1      | Shaft-gear  |
|          | 17   | 408 ГОСТ 8338-75                     | 2      | Bearing   |
|          | 18   | 40-4211072                           | 1      | Spacing bush  |
|          | 19   | 120-125-30-1-4 ГОСТ 18829-73/9833-73 | 1      | Ring  |
|          | 20   | 36-4211054-Б                         | 6      | Gasket (0.5 mm)   |
|          | 21   | 36-4211055                           | 8      | Gasket (0.2 mm)   |
|          | 22   | 36-4211048                           | 1      | Cage  |
|          | 23   | 4x36.019 ГОСТ 397-79                 | 1      | Cotter pin  |
|          | 24   | M20x1,5-6H.04.019 ГОСТ 15522-70      | 1      | Nut   |
|          | 25   | 40-3502084                           | 1      | Washer  |
|          | 26   | 40-3502083                           | 1      | Gasket  |
|          | 27   | 40-4211075                           | 1      | Pulley assembly   |
| 28       | M12-6gx40.88.35.019 ГОСТ 7796-70             | 6                                    | Bolt   |   |
| 29       | 2.2-65x90-1 ГОСТ 8752-79/<br>ОСТ 38 05146-78 | 1                                    | Cuff   |   |
| 30       | 12 ОТ ОСТ 37.001.115-75                      | 10                                   | Washer |   |
| 31       | 36-4211073                                   | 1                                    | Socket |   |
| 32       | 36-4211057                                   | 1                                    | Gasket |   |

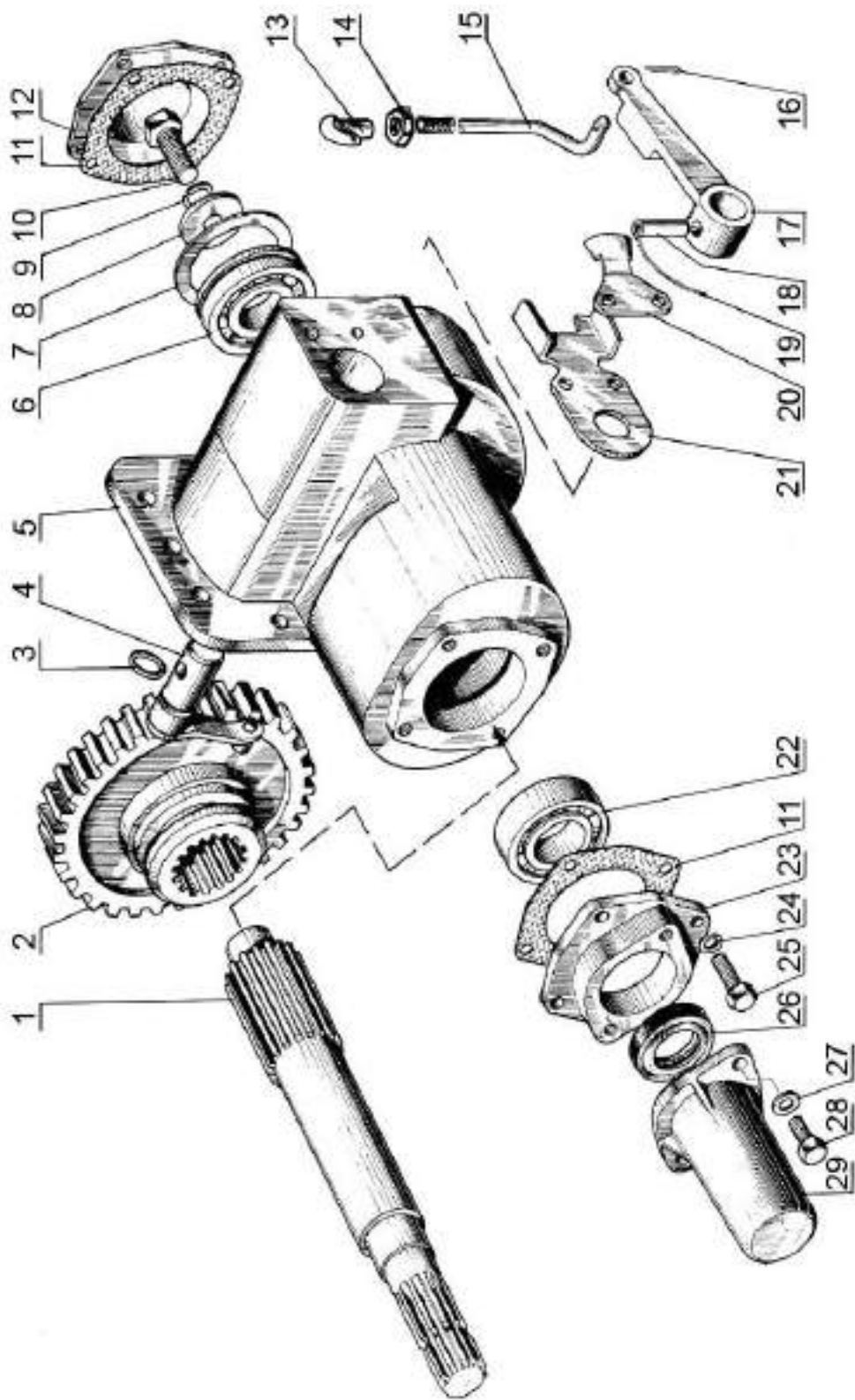


Fig.42.4. Side power take-off shaft

**Group 42. Power take-off shaft  
Subgroup 4204. Side power take-off shaft**

| Fig. No. | Pos. No.     | Designation   | Q-ty | Description  |
|----------|--------------|---|------|--|
| 42.4     |              | 50-4204010  | 1    | Side power take-off shaft with 8-spline shank (1-28) |
|          | 1            | 50-4204022  | 1    | Side shaft with 8-spline shank                       |
|          | 2            | Φ50-4204026   | 1    | Gear (Z=37)  |
|          | 3            | 020-025-30-1-4 ГОСТ 18829-73/9833-73                                    | 1    | Ring   |
|          | 4            | 50-4204040-A  | 1    | Roller   |
|          | 5            | 50-4204015-Б  | 1    | Casing   |
|          | 6            | 208A ГОСТ 8338-75   | 1    | Bearing  |
|          | 7            | 72 ГОСТ 2893-82   | 1    | Ring   |
|          | 8            | 50-1601038  | 1    | Washer   |
|          | 9            | 12 ОТ OCT 37.001.115-75   | 1    | Washer   |
|          | 10           | M12-6gx35.88.35.019 ГОСТ 7796-70  | 1    | Bolt   |
|          | 11           | 50-1601091  | 2    | Gasket   |
|          | 12           | 50-1601089  | 1    | Cover  |
|          | 13           | 50-1310136-A  | 1    | Handle   |
|          | 14           | M8-6H.6.019 ГОСТ 5915-70  | 1    | Nut  |
|          | 15           | 80-4204042  | 1    | Rod  |
|          | 16           | 3,2x18.019 ГОСТ 397-79  | 1    | Cotter pin   |
|          | 17           | 50-4204034  | 1    | Control lever  |
|          | 18           | A.10x40.65Г Chemical phosphate oil-impregnated coating<br>ГОСТ 14229-93 | 1    | Pin  |
|          | 19           | 1,6-O-C ГОСТ 3282-74  | 1    | Wire (L=200 mm)                                      |
|          | 20           | 50-4204036-Б  | 1    | Plate  |
|          | 21           | 50-4204038  | 1    | Plate  |
|          | 22           | 6-50306K GOST8338-75/2893-82  | 1    | Bearing  |
|          | 23           | 50-4204024  | 1    | Cover  |
|          | 24           | 8T OCT 37.001.115-75  | 10   | Washer   |
|          | 25           | M8-6gx25.88.35.019 ГОСТ 7796-70   | 4    | Bolt   |
|          | 26           | 2.2-38x58-1 ГОСТ 8752-79/<br>OCT 3805146-78                             | 1    | Cuff   |
|          | 27           | C 8.01.019 ГОСТ 11371-78  | 2    | Washer   |
|          | 28           | M8-6gx16.88.35.019 ГОСТ 7796-70   | 8    | Bolt   |
| 29       | 50-4202065-A | 1   | Cap  |  |

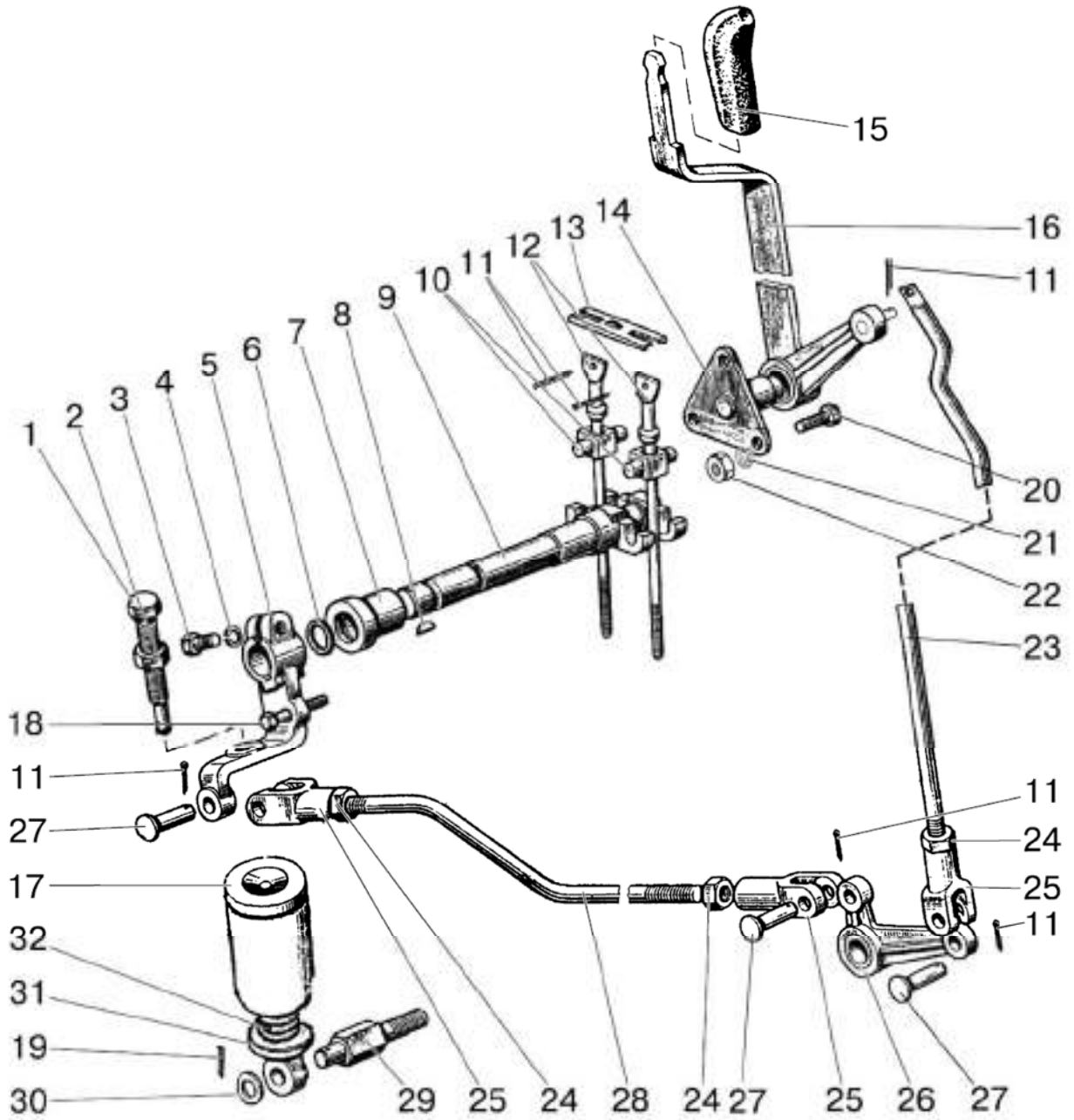


Fig.42.5. Rear power take-off shaft control

**Group 42. Power take-off shaft  
Subgroup 4216. Rear power take-off shaft control**

| Fig. No. | Pos. No.                | Designation                          | Q-ty   | Description            |
|----------|-------------------------|--------------------------------------|--------|------------------------|
| 42.5     |                         | 80B-4216010                          | 1      | Rear PTO control       |
|          |                         | 80-4216060                           | 1      | Lever rod (24, 25, 28) |
|          |                         | 50-4216070-Б                         | 1      | Control roller (9, 10) |
|          |                         | 80B-4216095-A                        | 1      | Rod (23-25)            |
|          | 1                       | 70-4216023-A                         | 1      | Bolt                   |
|          | 2                       | M16-6H.6.019 ГОСТ 5915-70            | 1      | Nut                    |
|          | 3                       | M12-6gx35.88.35.019 ГОСТ 7796-70     | 1      | Bolt                   |
|          | 4                       | 12 OT OCT 37.001.115-75              | 1      | Washer                 |
|          | 5                       | 50-4216022-A                         | 1      | Lever                  |
|          | 6                       | 025-030-30-1-4 ГОСТ 18829-73/9833-73 | 1      | Ring                   |
|          | 7                       | 50-4216024                           | 1      | Control roller bush    |
|          | 8                       | СШ-611                               | 1      | Key 6x11               |
|          | 9                       | 50-4216018                           | 1      | Control roller         |
|          | 10                      | 50-4216034                           | 2      | Screw axis             |
|          | 11                      | 3,2x18.019 ГОСТ 397-79               | 6      | Cotter pin             |
|          | 12                      | 70-4216028                           | 2      | Screw                  |
|          | 13                      | 80-4216039                           | 1      | Stop                   |
|          | 14                      | 80B-4216105                          | 1      | Bracket                |
|          | 15                      | A13.17.000-01                        | 1      | Handle                 |
|          | 16                      | 85-4216100-Б                         | 1      | Lever                  |
|          | 17                      | 70-4216015                           | 1      | Cover                  |
|          | 18                      | M10-6gx60.88.35.019 ГОСТ 7795-70     | 1      | Bolt (auxiliary)       |
|          | 19                      | 4x36.019 ГОСТ 397-79                 | 1      | Cotter pin             |
|          | 20                      | M8-6gx16.88.35.019 ГОСТ 7796-70      | 3      | Bolt                   |
|          | 21                      | 8T OCT 37.001.115-75                 | 3      | Washer                 |
|          | 22                      | M8-6H.6.019 ГОСТ 5915-70             | 3      | Nut                    |
|          | 23                      | 80-4216091A                          | 1      | Rod                    |
|          | 24                      | M12x1,25-6H.6.019 ГОСТ 5915-70       | 3      | Nut                    |
|          | 25                      | 50-3502203                           | 3      | Fork                   |
|          | 26                      | 80-4216050                           | 1      | Hub                    |
|          | 27                      | 12x32 OCT 37.001.163-75              | 3      | Pin                    |
|          | 28                      | 80-4216043                           | 1      | Rod                    |
| 29       | 70-4216048-Б            | 1                                    | Bolt   |                        |
| 30       | 16 OT OCT 37.001.115-75 | 1                                    | Washer |                        |
| 31       | 70-4216013              | 1                                    | Eye    |                        |
| 32       | 70-4216011              | 1                                    | Spring |                        |

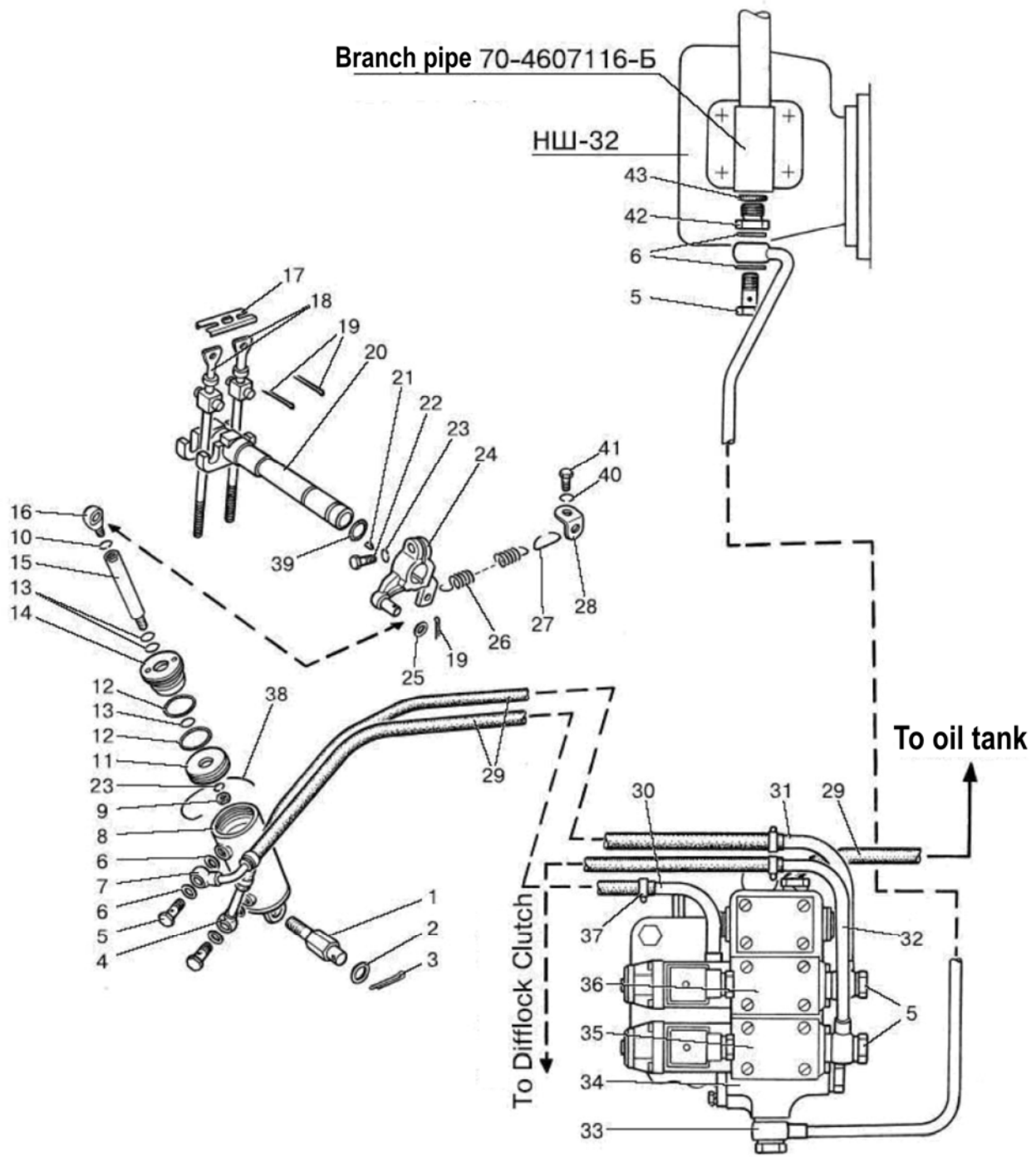


Fig.42.6. Rear power take-off shaft control (for tractors with hydraulic lift and lift hitch mechanism)



**Group 42. Power take-off shaft  
Subgroup 4216. Rear power take-off shaft control**

| Fig. No. | Pos. No.                             | Designation   | Q-ty    | Description   |
|----------|--------------------------------------|---|---------|---|
| 42.6     |                                      | 920-4803150   | 1       | Hydraulic drive of the differential lock clutch and PTO |
|          |                                      | 80-4216100  | 1       | Cylinder (8-16)   |
|          | 1                                    | 821-4216048   | 1       | Bolt  |
|          | 2                                    | C 16.01.019 ГОСТ 11371-78                           | 1       | Washer  |
|          | 3                                    | 4x36.019 ГОСТ 397-79                                | 1       | Cotter pin  |
|          | 4                                    | 85-4216125  | 1       | Oil pipeline  |
|          | 5                                    | Д18-051   | 8       | Bolt  |
|          | 6                                    | Д18-055-A   | 16      | Seal ring   |
|          | 7                                    | 85-4216130  | 1       | Oil pipeline  |
|          | 8                                    | 80-4216115  | 1       | Casing  |
|          | 9                                    | M12-6H.6.019 ГОСТ 5915-70                           | 1       | Nut   |
|          | 10                                   | 10 OT OCT 37.001.115-75                             | 1       | Washer  |
|          | 11                                   | 80-4216118  | 1       | Piston  |
|          | 12                                   | 045-050-30-2-2 ГОСТ 18829-73/9833-73                | 2       | Ring  |
|          | 13                                   | 15.54x2.62 DBS/AS MS 29513<br>ГОСТ 18829-73/9833-73 | 3       | Ring  |
|          | 14                                   | 80-4216116  | 1       | Front cover   |
|          | 15                                   | 80-4216119  | 1       | Rod   |
|          | 16                                   | 80-4216121  | 1       | Tip   |
|          | 17                                   | 80-4216039  | 1       | Stop  |
|          | 18                                   | 70-4216028  | 2       | Screw   |
|          | 19                                   | 3,2x18.019 ГОСТ 397-79                              | 3       | Cotter pin  |
|          | 20                                   | 50-4216070-Б  | 1       | Roller  |
|          | 21                                   | СШ-611  | 1       | Key 6x11  |
|          | 22                                   | M12-6gx35.88.35.019 ГОСТ 7796-70                    | 1       | Bolt  |
|          | 23                                   | 12 OT OCT 37.001.115-75                             | 2       | Washer  |
|          | 24                                   | 821-4216020   | 1       | Lever   |
|          | 25                                   | C 12.01.019 ГОСТ 11371-78                           | 1       | Washer  |
|          | 26                                   | 50-1605152  | 1       | Spring  |
|          | 27                                   | 70-3514094  | 1       | Hook  |
|          | 28                                   | 80-1602116  | 1       | Eye   |
|          | 29                                   | 1221-2412026  | 4       | Hose pipe   |
|          | 30                                   | 822-4801190   | 1       | Oil pipeline (PTO)                                      |
|          | 31                                   | 822-4801195   | 2       | Oil pipeline (PTO)                                      |
|          | 32                                   | 923-4803165   | 1       | Oil pipeline (differential lock clutch)                 |
|          | 33                                   | 920-4803155   | 1       | Oil pressure line                                       |
|          | 34                                   | 822-4801180-Б-01                                    | 1       | Hydraulic drive plate                                   |
|          | 35                                   | РГ822-6/1.2 СЕ.В.574А.Г12.01                        | 1       | Hydraulic distributor (differential lock clutch)        |
|          | 36                                   | РГ822-6/1.2 СЕ.В.574А.Г12.01                        | 1       | Hydraulic distributor (PTO)                             |
|          | 37                                   | "NORMA" TORRO 12-20/9-C6W                           | 8       | Clamp   |
|          | 38                                   | 80-4216117  | 1       | Pin   |
|          | 39                                   | 025-030-30-1-4 ГОСТ 18829-73/9833-73                | 1       | Ring  |
|          | 40                                   | 8T OCT 37.001.115-75                                | 1       | Washer  |
|          | 41                                   | M8-6gx40.88.35.019 ГОСТ 7795-70                     | 1       | Bolt  |
| 42       | 1021-4803158                         | 1   | Adapter |   |
| 43       | 017-022-30-1-4 ГОСТ 18829-73/9833-73 | 1   | Ring    |   |

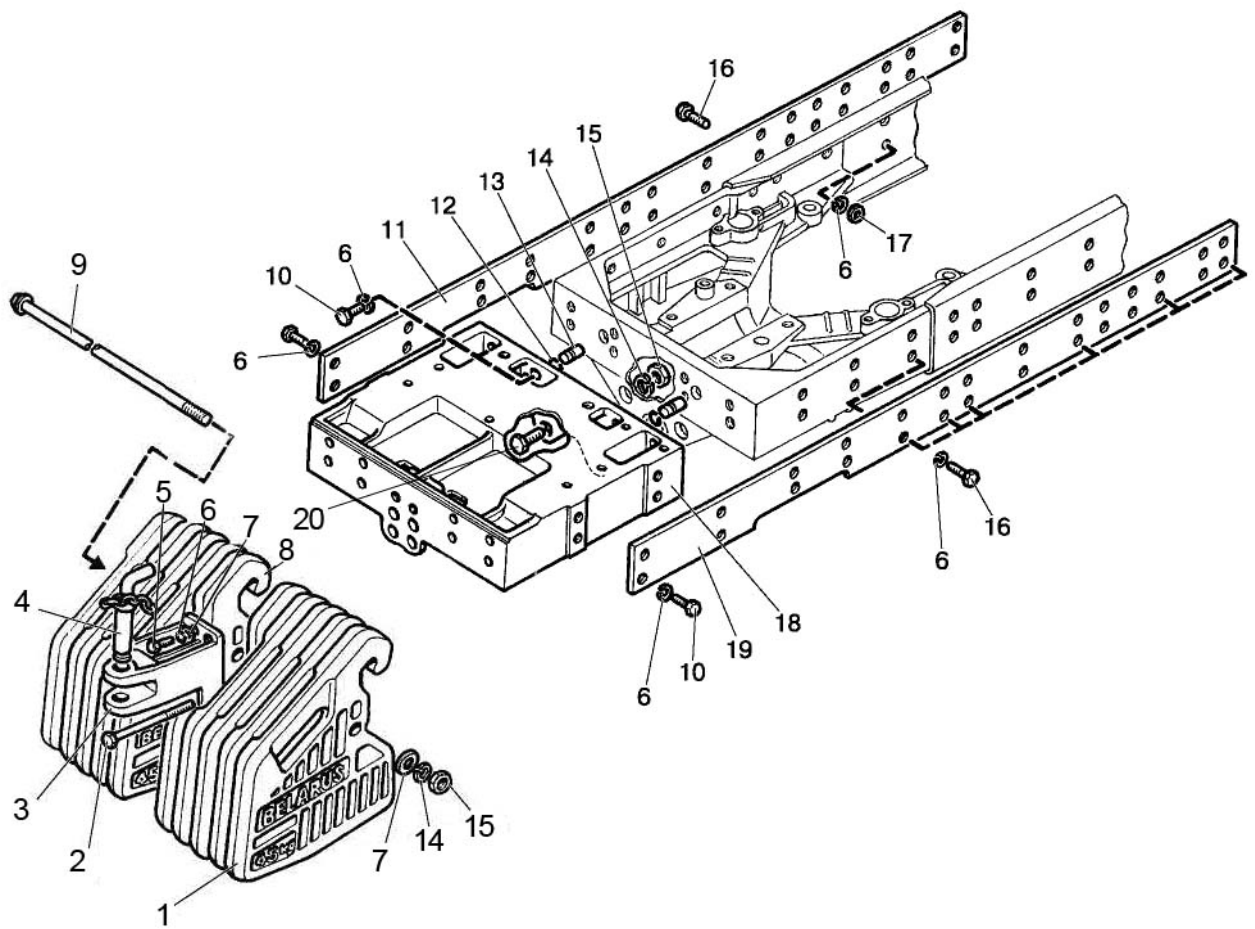


Fig.42.7. Ballast

**Group 42. Power take-off shaft  
Subgroup 4235. Ballast**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|----------------------------------|-------------|--------------------|
| 42.7            | 1               | 80-4235011-A                     | 8           | Weight             |
|                 | 2               | 1025-4235012                     | 2           | Bolt               |
|                 | 3               | 85-4235025-B                     | 1           | Lug                |
|                 | 4               | 70-4235030                       | 1           | Pin assembly       |
|                 | 5               | M16-6gx45.88.35.019 ГОСТ 7796-70 | 2           | Bolt               |
|                 | 6               | 16 OT OCT 37.001.115-75          | 46          | Washer             |
|                 | 7               | C 16.01.019 ГОСТ 11371-78        | 2           | Washer             |
|                 | 8               | 1521-4235011-A                   | 2           | Weight             |
|                 | 9               | 1025-4235015-01                  | 1           | String             |
|                 | 10              | M16-6gx32.88.35.019 ГОСТ 7796-70 | 24          | Bolt               |
|                 | 11              | 822-4235028                      | 1           | Strip              |
|                 | 12              | 54.38.619                        | 2           | Locking ring       |
|                 | 13              | 50-4605027                       | 2           | Pin                |
|                 | 14              | 20 OT OCT 37.001.115-75          | 2           | Washer             |
|                 | 15              | M20-6H.6.019 ГОСТ 5915-70        | 2           | Nut                |
|                 | 16              | M16-6gx40.88.35.019 ГОСТ 7796-70 | 20          | Bolt               |
|                 | 17              | M16-6H.6.019 ГОСТ 5915-70        | 11          | Nut                |
|                 | 18              | 923-4235016                      | 1           | Bracket            |
|                 | 19              | 822-4235028-01                   | 1           | Strip              |
|                 | 20              | 70-4605036                       | 2           | Bolt               |

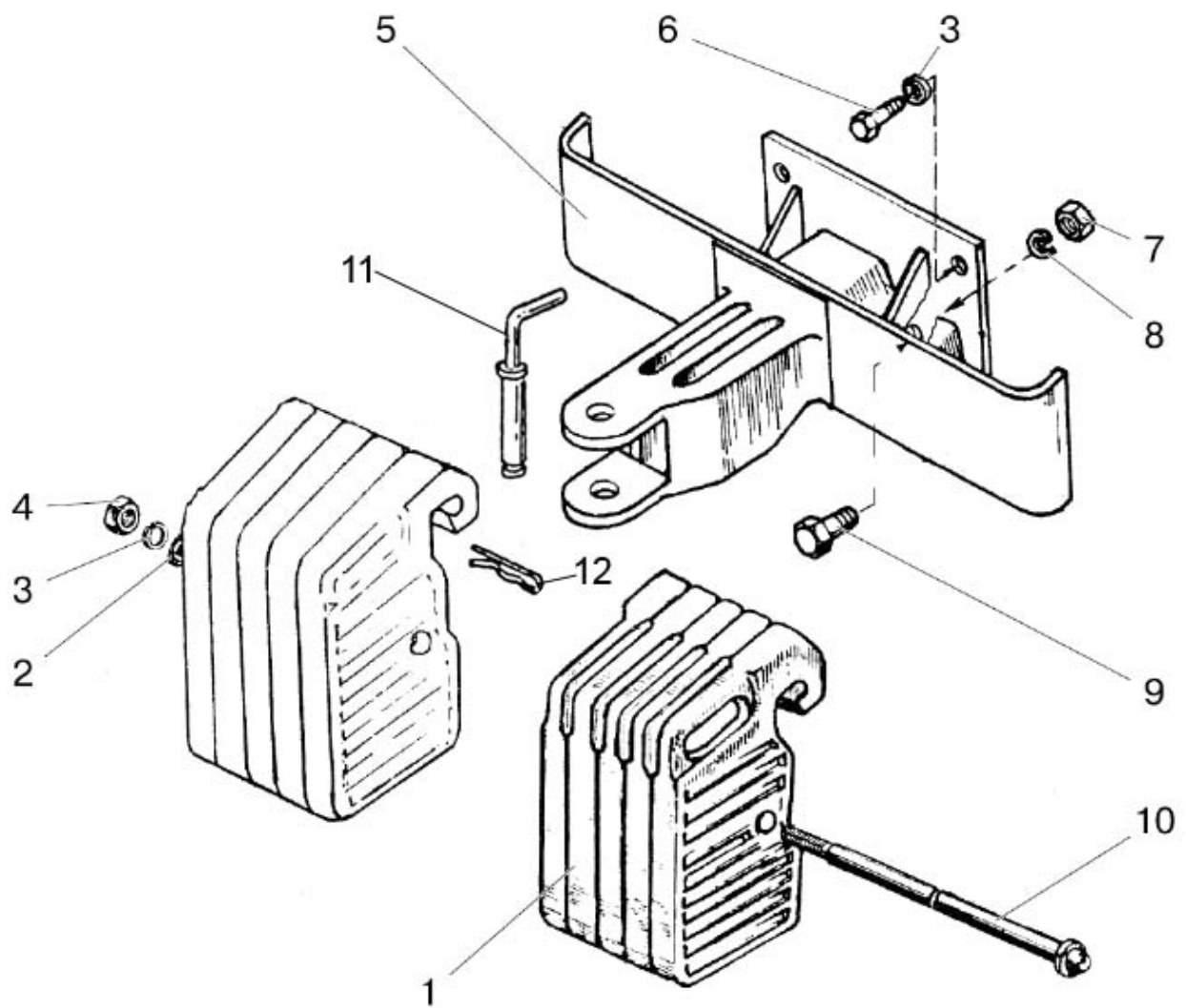


Fig.42.8. Front ballast

**Group 42. Power take-off shaft  
Subgroup 4235. Front ballast**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>            | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|-------------------------------|-------------|--------------------|
| 42.8            | 1               | 70-4235011                    | 10          | Weight             |
|                 | 2               | C16.01.019 ГОСТ 6958-78       | 1           | Washer             |
|                 | 3               | 16 OT OCT 37.001.115-75       | 3           | Washer             |
|                 | 4               | M16-6H.6.019 ГОСТ 5915-70     | 1           | Nut                |
|                 | 5               | 70-4235020                    | 1           | Bracket            |
|                 | 6               | M16-6gx32.88.019 ГОСТ 7796-70 | 2           | Bolt               |
|                 | 7               | M20-6H.6.019 ГОСТ 5915-70     | 2           | Nut                |
|                 | 8               | 20 OT OCT 37.001.115-75       | 2           | Washer             |
|                 | 9               | 70-4605036                    | 2           | Bolt               |
|                 | 10              | 80-4235015                    | 1           | String             |
|                 | 11              | 50-4605079-Б                  | 1           | Pin assembly       |
|                 | 12              | A61.07.001                    | 1           | Cotter pin         |

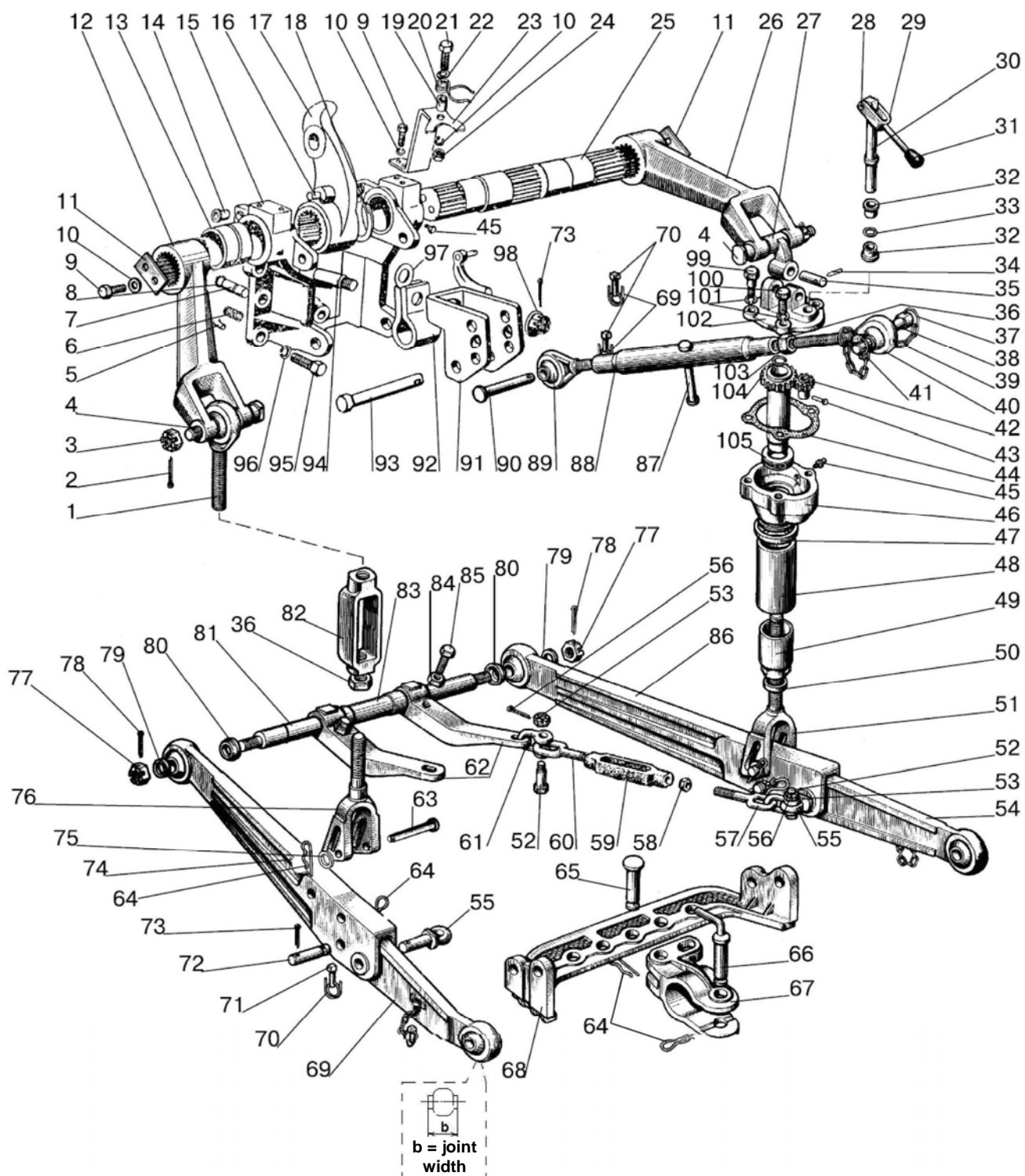


Fig. 46.1. Rear mounted attachment

**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| Fig. No. | Pos. No.                             | Designation                      | Q-ty                | Description                           |
|----------|--------------------------------------|----------------------------------|---------------------|---------------------------------------|
| 46.1     |                                      | P70-4605010                      | 1                   | Rear mounted attachment (1-105)       |
|          |                                      | 50-4605012                       | 2                   | Brace (1, 36, 76, 82)                 |
|          |                                      | 80-4605150-02                    | 1                   | Brace (28-33, 42-51, 99-105) L=475 mm |
|          |                                      | A61.05.100-01                    | 1                   | Locking pin (39, 41)                  |
|          |                                      | A61.03.000                       | 1                   | Upper rod (36-41, 87-89)              |
|          |                                      | A61.03.200                       | 1                   | Screw (37-41, pin A61.03.001-02 Ø22)  |
|          |                                      | A61.03.200-01                    | 1                   | Screw (37-41, pin A61.03.001-01 Ø25)  |
|          |                                      | A61.04.000                       | 2                   | Brace (57-60)                         |
|          |                                      | 70-4605340                       | 1                   | Lever (16, 17)                        |
|          |                                      | 80-4605025                       | 1                   | Cross-bar (64-68)                     |
|          |                                      | 50-4605030-A3                    | 1                   | Right rod (54, 55, 64, 70-73, 86)     |
|          |                                      | 50-4605035-A3                    | 1                   | Left rod (55, 64, 69, 70-74)          |
|          |                                      | 50-4605105-A                     | 1                   | Trailer pin assembly (64, 66)         |
|          |                                      | 50-4605115                       | 2                   | Brace (52-53, 56-62, 84, 85)          |
|          | 1                                    | A61.02.100                       | 1                   | Screw                                 |
|          | 2                                    | 4x36.019 ГОСТ 397-79             | 1                   | Cotter pin                            |
|          | 3                                    | 70-3003032                       | 2                   | Nut M18x1,5-6H.6.019                  |
|          | 4                                    | 50-4605076                       | 2                   | Pin                                   |
|          | 5                                    | 70-4605317                       | 2                   | Restraint                             |
|          | 6                                    | 21A-1601150                      | 4                   | Spring                                |
|          | 7                                    | 50-4605027                       | 2                   | Pin                                   |
|          | 8                                    | 54.38.619                        | 2                   | Ring                                  |
|          | 9                                    | M12-6gx25.88.35.019 ГОСТ 7796-70 | 6                   | Bolt                                  |
|          | 10                                   | 12 OT OCT 37.001.115-75          | 7                   | Washer                                |
|          | 11                                   | 40-4605023-A2                    | 2                   | Washer                                |
|          | 12                                   | 80-4605021                       | 1                   | Lever                                 |
|          | 13                                   | 70-4605032                       | 2                   | Bush                                  |
|          | 14                                   | 70-4605308-Б                     | 2                   | Bush                                  |
|          | 15                                   | 70-4605016-Б                     | 1                   | Bracket                               |
|          | 16                                   | 70-4605313                       | 1                   | Pin                                   |
|          | 17                                   | 70-4605024-A                     | 1                   | Pivot lever                           |
|          | 18                                   | 2С65 ГОСТ 13940-86               | 1                   | Ring                                  |
|          | 19                                   | 50-4605069                       | 1                   | Bush                                  |
|          | 20                                   | A61.07.002                       | 1                   | Spring                                |
|          | 21                                   | M12-6gx35.88.35.019 ГОСТ 7796-70 | 1                   | Bolt                                  |
|          | 22                                   | C 12.01.019 ГОСТ 11371-78        | 1                   | Washer                                |
|          | 23                                   | 70-4605240-A                     | 1                   | Bracket                               |
|          | 24                                   | M12-6H.6.019 ГОСТ 5915-70        | 1                   | Nut                                   |
|          | 25                                   | 70-4605023                       | 1                   | Pivoting shaft                        |
| 26       | 80-4605022                           | 1                                | Lever               |                                       |
| 27       | 70-4605168                           | 1                                | Shackle             |                                       |
| 28       | A61.01.016-Б                         | 1                                | Shaft               |                                       |
| 29       | A61.01.400                           | 1                                | Fork                |                                       |
| 30       | A61.01.600                           | 1                                | Shaft               |                                       |
| 31       | A61.01.014                           | 1                                | Handle              |                                       |
| 32       | A61.01.017                           | 2                                | Bush                |                                       |
| 33       | 016-021-30-2-4 ГОСТ 18829-73/9833-73 | 1                                | Ring                |                                       |
| 34       | A.8x45.65Г ГОСТ 14229-93             | 1                                | Pin                 |                                       |
| 35       | A61.01.004                           | 1                                | Pin                 |                                       |
| 36       | A61.02.003                           | 1                                | Locknut             |                                       |
| 37       | A61.03.002                           | 2                                | Ring                |                                       |
| 38       | A61.03.001-01                        | 1                                | Pin Ø 25            |                                       |
|          | A61.03.001-02                        | 1                                | Pin Ø 22 (optional) |                                       |
| 39       | A61.08.001-01                        | 1                                | Chain (9 links)     |                                       |

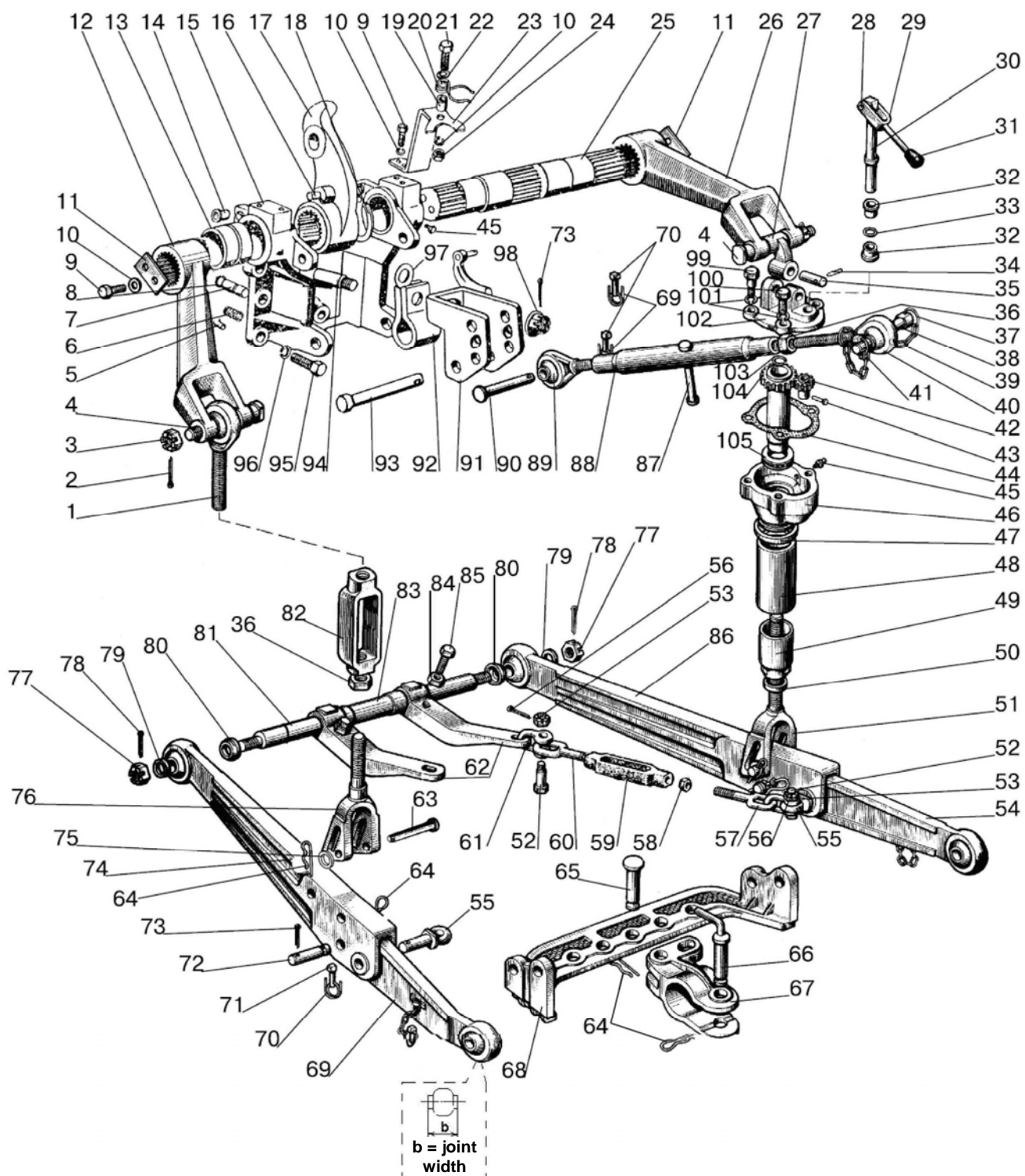


Fig. 46.1. Rear mounted attachment



**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| Fig. No. | Pos. No.                  | Designation                | Q-ty                | Description               |
|----------|---------------------------|----------------------------|---------------------|---------------------------|
| 46.1     | 40                        | A61.02.100-04              | 1                   | Screw (joint hole Ø 22.5) |
|          |                           | A61.02.100-05              | 1                   | Screw (joint hole Ø 25.7) |
|          | 41                        | A61.05.000                 | 1                   | Locking pin with ring     |
|          | 42                        | A61.01.001                 | 1                   | Gear                      |
|          | 43                        | A61.01.005                 | 1                   | Axle                      |
|          | 44                        | A61.01.003                 | 1                   | Gasket                    |
|          | 45                        | 1.3.Ц9.xp ГОСТ 19853-74    | 3                   | Greaser                   |
|          | 46                        | A61.01.104                 | 1                   | Casing                    |
|          | 47                        | A61.01.013                 | 1                   | Bush                      |
|          | 48                        | A61.01.008                 | 1                   | Pipe                      |
|          | 49                        | A61.01.011                 | 1                   | Cap                       |
|          | 50                        | A61.01.009                 | 1                   | Restraint                 |
|          | 51                        | 70-4605100                 | 1                   | Fork                      |
|          | 52                        | 50-4605086                 | 4                   | Bolt                      |
|          | 53                        | M12-6H.04.019 ГОСТ 5919-73 | 4                   | Nut                       |
|          | 54                        | C50-4605040-A              | 1                   | Rod (b=45)                |
|          |                           | 80-4605040                 | 1                   | Rod (b=38 optionally)     |
|          | 55                        | 70-4605048-A               | 2                   | Lug                       |
|          | 56                        | 3,2x18.019 ГОСТ 397-79     |                     | Cotter pin                |
|          | 57                        | A61.04.002-01              | 2                   | Screw (right thread)      |
|          | 58                        | M18-6H.04.019 ГОСТ 5916-70 | 2                   | Nut                       |
|          | 59                        | A61.04.003                 | 2                   | Brace                     |
|          | 60                        | A61.04.002                 | 2                   | Screw (left thread)       |
|          | 61                        | A61.09.002                 | 4                   | Shackle                   |
|          | 62                        | 50-4605033-B1              | 2                   | Bracket                   |
|          | 63                        | Φ50-4605084                | 2                   | Pin                       |
|          | 64                        | A61.07.001                 | 4                   | Cotter pin                |
|          | 65                        | A61.10.002                 | 2                   | Pin                       |
|          | 66                        | 50-4605079-B               | 1                   | Pin assembly              |
|          | 67                        | A61.11.001                 | 1                   | Fork                      |
|          | 68                        | 80-4605046                 | 1                   | Cross-bar                 |
|          | 69                        | C50-4605045-A              | 1                   | Rod (b=45)                |
|          |                           | 80-4605040-01              | 1                   | Rod (b=38 optionally)     |
|          | 70                        | A61.05.004                 | 4                   | Ring                      |
|          | 71                        | A61.05.005                 | 4                   | Locking pin               |
|          | 72                        | 50-4605049-B               | 2                   | Pin                       |
|          | 73                        | 5x36.019 ГОСТ 397-79       | 3                   | Cotter pin                |
|          | 74                        | 70-4605055                 | 1                   | Rod                       |
|          | 75                        | C18.01.019 ГОСТ 11371-78   | 2                   | Washer                    |
| 76       | 50-4605100-B              | 1                          | Fork                |                           |
| 77       | A04.02.020                | 2                          | Nut                 |                           |
| 78       | 5x45.019 ГОСТ 397-79      | 2                          | Cotter pin          |                           |
| 79       | 70-4605047                | 2                          | Bush                |                           |
| 80       | 50-4605068-B1             | 2                          | Washer              |                           |
| 81       | 70-4605026                | 1                          | Shaft               |                           |
| 82       | A61.02.001                | 1                          | Brace               |                           |
| 83       | 50-4605018-B              | 1                          | Bush                |                           |
| 84       | M16-6H.6.019 ГОСТ 5915-70 | 2                          | Nut                 |                           |
| 85       | 50-4605019                | 2                          | Bolt                |                           |
| 86       | 70-4605050                | 1                          | Rod                 |                           |
| 87       | A61.03.102                | 1                          | Handle              |                           |
| 88       | A61.03.101                | 1                          | Pipe                |                           |
| 89       | A61.02.100-03             | 1                          | Screw (left thread) |                           |

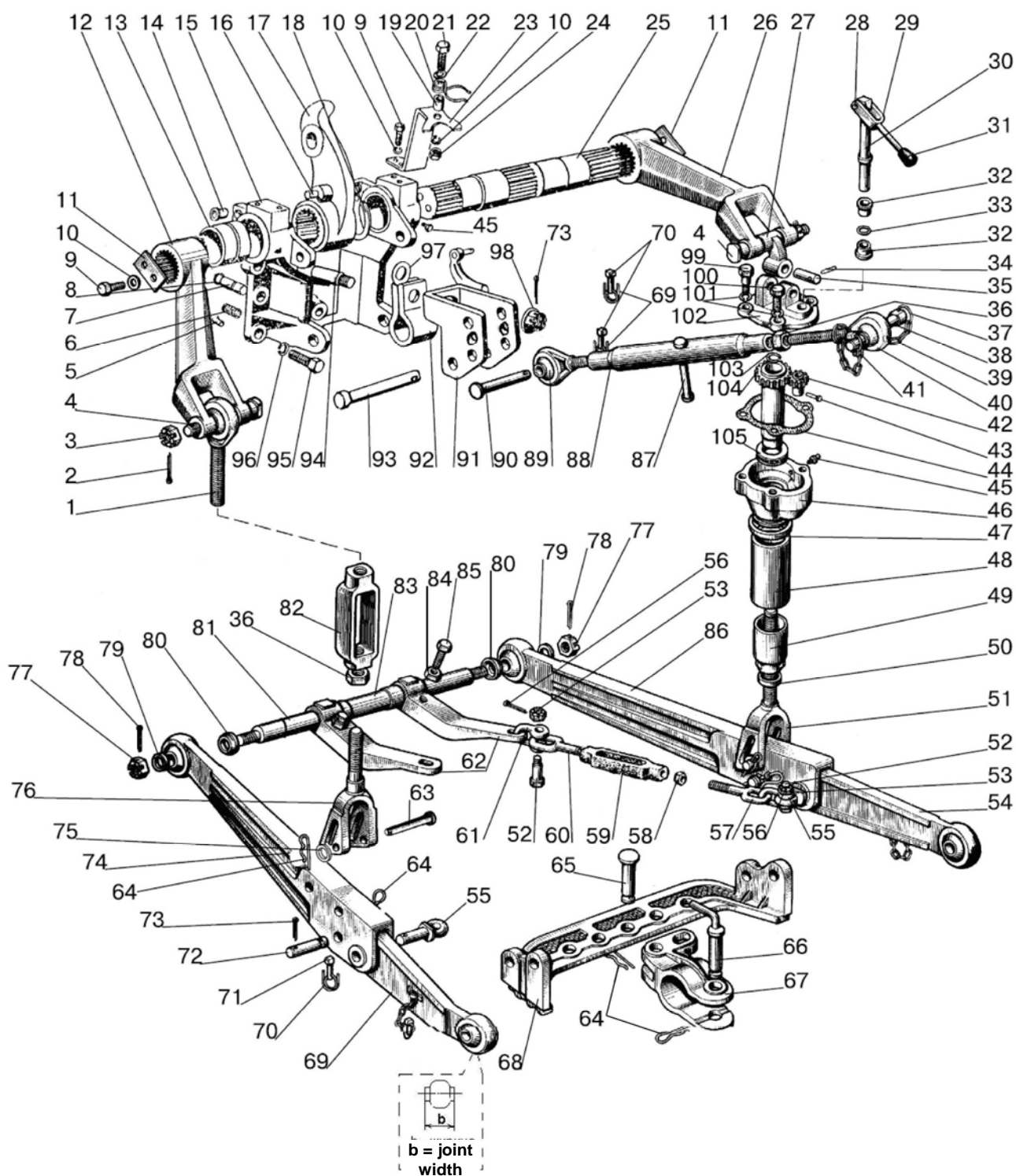


Fig. 46.1. Rear mounted attachment

**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| <b>Fig. No.</b> | <b>Pos. No.</b>   | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-------------------|----------------------------------|-------------|--------------------|
| 46.1            | 90                | A61.10.001-02                    | 1           | Pin                |
|                 | 91                | 70-4605330-Б                     | 1           | Shackle            |
|                 | 92                | 70-4605302-Б                     | 1           | Spring             |
|                 | 93                | A61.10.001                       | 1           | Pin                |
|                 | 94                | 70-4605320                       | 1           | Bolt               |
|                 | 95                | 70-4605036                       | 5           | Bolt               |
|                 | 96                | 20 OT OCT 37.001.115-75          | 5           | Washer             |
|                 | 97                | 70-4605304-Б                     | 1           | Washer             |
|                 | 98                | 70-4605316                       | 1           | Nut                |
|                 | 99                | A61.01.006                       | 2           | Bolt               |
|                 | 100               | M14-6gx40.88.35.019 ГОСТ 7796-70 | 2           | Bolt               |
|                 | 101               | 14 OT OCT 37.001.115-75          | 4           | Washer             |
|                 | 102               | A61.01.204                       | 1           | Cover              |
|                 | 103               | A61.01.012                       | 1           | Restraint          |
|                 | 104               | A61.01.300                       | 1           | Pipe               |
| 105             | 8109 ГОСТ 7872-89 | 1                                | Bearing     |                    |

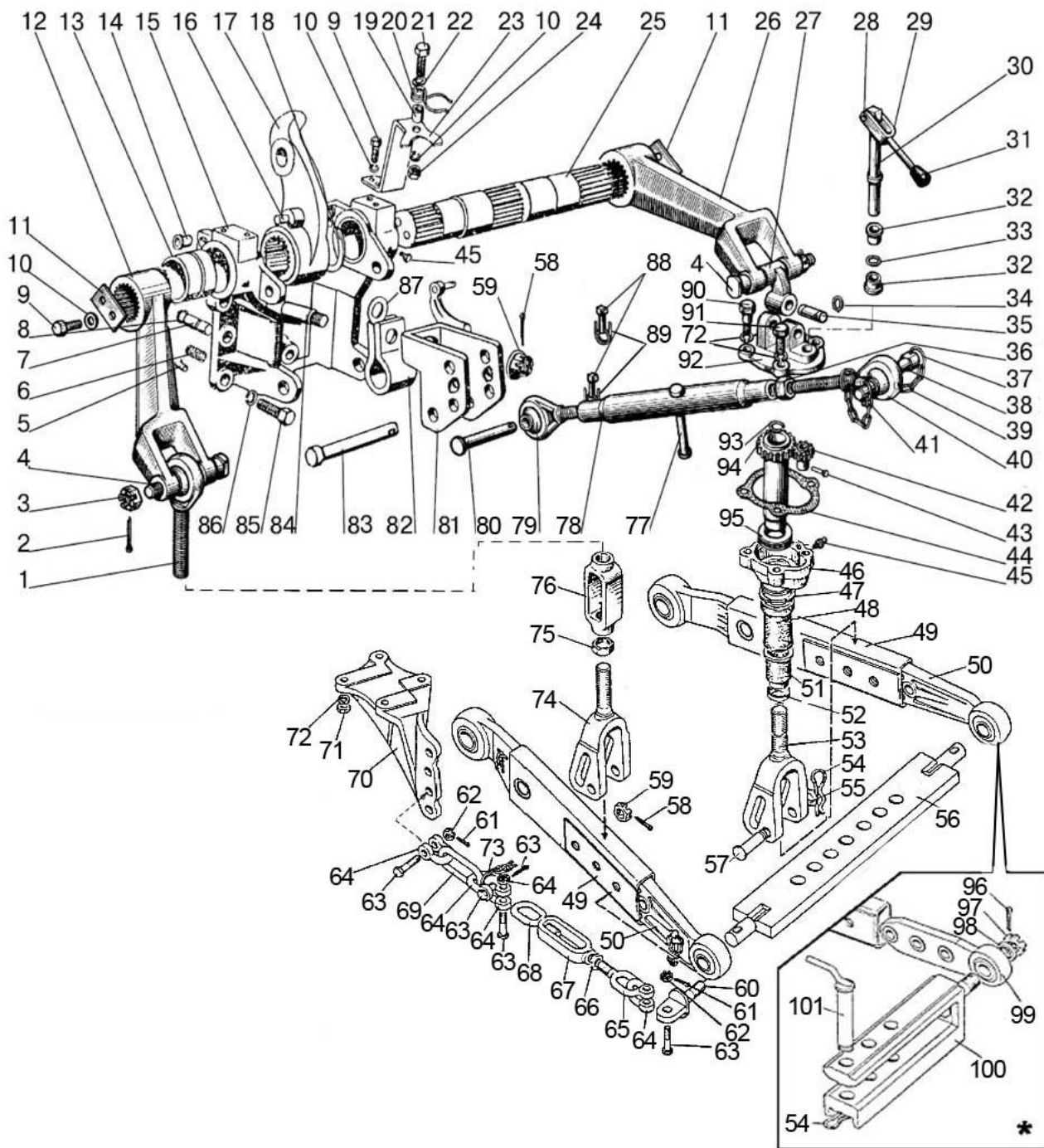


Fig. 46.2. Rear mounted attachment

**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| Fig. No. | Pos. No.                                | Designation                                  | Q-ty                | Description                           |
|----------|---|--|---------------------|---------------------------------------|
| 46.2     |   | P80-4605010                                  | 1                   | Rear mounted attachment (1-101)       |
|          |   | 1220-4605012                                 | 2                   | Brace (1,74-76)                       |
|          |   | 1220-4605030-01 b=38<br>1220-4605030-03 b=45 | 1                   | Rod (49,50,58-60)                     |
|          |   | 1220-4605030-02 b=38<br>1220-4605030-04 b=45 | 1                   | Rod with chain (49,50,58-60,73)       |
|          |   | 1220-4605150                                 | 1                   | Brace (27-48,51-53,72,90-92) L=515 mm |
|          |   | 1220-4605580                                 | 2                   | Brace (65-68)                         |
|          |   | 70-4605145-01                                | 1                   | Bracket (9,10,17-22)                  |
|          |   | 70-4605340                                   | 1                   | Lever (16,17)                         |
|          |   | 822-4605085                                  | 1                   | Cross-bar (54,96-101)                 |
|          |   | A61.05.100-01                                | 1                   | Locking pin (39, 41)                  |
|          |   | A61.03.000                                   | 1                   | Upper rod (36-41, 77-79)              |
|          |   | A61.03.200                                   | 1                   | Screw (37-41, pin A61.03.001-02 Ø22)  |
|          |   | A61.03.200-01                                | 1                   | Screw (37-41, pin A61.03.001-01 Ø25)  |
|          |   | 1 1220-4605075                               | 1                   | Screw                                 |
|          |   | 2 4x36.019 ГОСТ 397-79                       | 1                   | Cotter pin                            |
|          |   | 3 M20x1,5-6H.04.019 ГОСТ 5919-73             | 2                   | Nut                                   |
|          |   | 4 142-4605076                                | 2                   | Pin                                   |
|          |   | 5 70-4605317                                 | 2                   | Restraint                             |
|          |   | 6 21A-1601150                                | 4                   | Spring                                |
|          |   | 7 50-4605027                                 | 2                   | Pin                                   |
|          |   | 8 54.38.619                                  | 2                   | Ring                                  |
|          |   | 9 M12-6gx25.88.35.019 ГОСТ 7796-70           | 6                   | Bolt                                  |
|          |   | 10 12 OT OCT 37.001.115-75                   | 7                   | Washer                                |
|          |   | 11 40-4605023-A2                             | 2                   | Washer                                |
|          |   | 12 80-4605021-01                             | 1                   | Lever                                 |
|          |   | 13 70-4605032                                | 2                   | Bush                                  |
|          |   | 14 70-4605308-Б                              | 2                   | Bush                                  |
|          |   | 15 70-4605016-Б                              | 1                   | Bracket                               |
|          |   | 16 70-4605313                                | 1                   | Pin                                   |
|          |   | 17 70-4605024-A                              | 1                   | Pivot lever                           |
|          |   | 18 2C65 ГОСТ 13940-86                        | 1                   | Ring                                  |
|          |   | 19 50-4605069                                | 1                   | Bush                                  |
|          |   | 20 A61.07.002                                | 1                   | Spring                                |
|          |   | 21 M12-6gx35.88.35.019 ГОСТ 7796-70          | 1                   | Bolt                                  |
|          |   | 22 C 12.01.019 ГОСТ 11371-78                 | 1                   | Washer                                |
|          |   | 23 70-4605240-A                              | 1                   | Bracket                               |
|          |   | 24 M12-6H.6.019 ГОСТ 5915-70                 | 1                   | Nut                                   |
|          |   | 25 70-4605023                                | 1                   | Pivoting shaft                        |
|          | 26 80-4605022-01                        | 1  | Lever               |                                       |
|          | 27 1220-4605168-Б                       | 1  | Shackle             |                                       |
|          | 28 A61.01.016-Б                         | 1  | Axle                |                                       |
|          | 29 A61.01.400                           | 1  | Fork                |                                       |
|          | 30 A61.01.600                           | 1  | Shaft               |                                       |
|          | 31 A61.01.014                           | 1  | Handle              |                                       |
|          | 32 A61.01.017                           | 2  | Bush                |                                       |
|          | 33 016-021-30-2-4 ГОСТ 18829-73/9833-73 | 1  | Ring                |                                       |
|          | 34 142-4605431                          | 2  | Ring                |                                       |
|          | 35 142-4605404-Б                        | 1  | Pin                 |                                       |
|          | 36 A61.02.003                           | 1  | Locknut             |                                       |
|          | 37 A61.03.002                           | 2  | Ring                |                                       |
|          | 38 A61.03.001-01                        | 1  | Pin Ø 25            |                                       |
|          | A61.03.001-02                           | 1  | Pin Ø 22 (optional) |                                       |

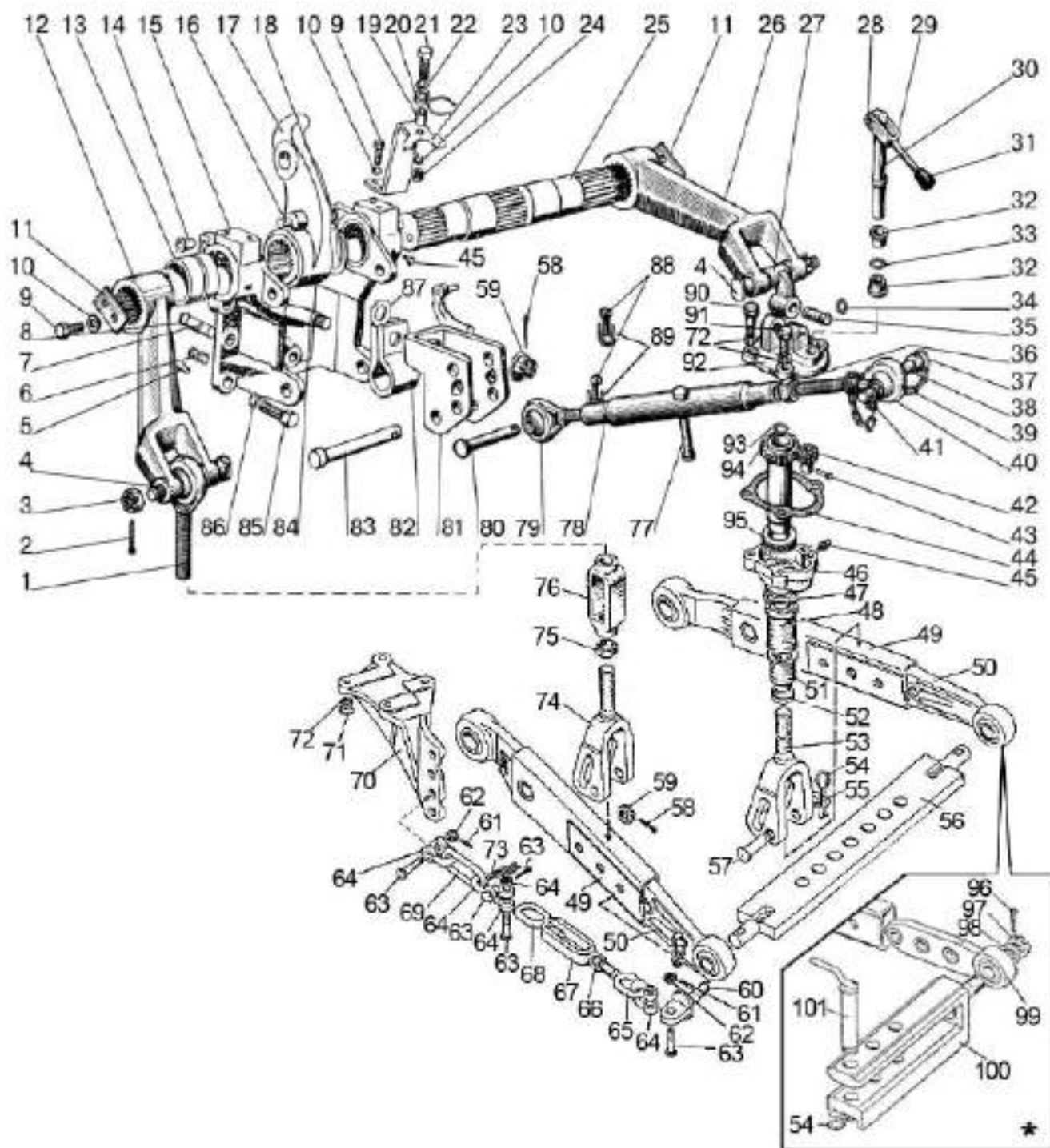


Fig. 46.2. Rear mounted attachment

**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| Fig. No. | Pos. No.                | Designation                        | Q-ty                | Description                                |
|----------|-------------------------|------------------------------------|---------------------|--|
| 46.2     | 39                      | A61.08.001-01                      | 1                   | Chain (9 links)                            |
|          | 40                      | A61.02.100-04                      | 1                   | Screw (joint hole Ø 22.5)                  |
|          |                         | A61.02.100-05                      | 1                   | Screw (joint hole Ø 25.7)                  |
|          | 41                      | A61.05.000                         | 1                   | Locking pin with ring                      |
|          | 42                      | 142-4605413                        | 1                   | Gear                                       |
|          | 43                      | A61.01.005                         | 1                   | Axle                                       |
|          | 44                      | 142-4605421                        | 1                   | Gasket                                     |
|          | 45                      | 1.3.Ц9.xp ГОСТ 19853-74            | 3                   | Greaser                                    |
|          | 46                      | 142-4605415                        | 1                   | Casing                                     |
|          | 47                      | 142-4605402                        | 1                   | Bush                                       |
|          | 48                      | 142-4605407                        | 1                   | Pipe                                       |
|          | 49                      | 1220-4605050 or<br>1220-4605050-01 | 2                   | Rod<br>Rod (with chain)                    |
|          | 50                      | 1220-4605040 or<br>1220-4605040-02 | 2                   | Rod (joint b=38 mm)<br>Rod (joint b=45 mm) |
|          | 51                      | 142-4605406                        | 1                   | Cap  |
|          | 52                      | 142-4605401                        | 1                   | Restraint                                  |
|          | 53                      | 1220-4605100                       | 1                   | Fork                                       |
|          | 54                      | A61.07.001                         | 3                   | Cotter pin                                 |
|          | 55                      | 50-3503071                         | 2                   | Washer                                     |
|          | 56                      | 1220-4605025                       | 1                   | Cross-bar                                  |
|          | 57                      | 1220-4605084                       | 2                   | Pin  |
|          | 58                      | 5x36.019 ГОСТ 397-79               | 2                   | Cotter pin                                 |
|          | 59                      | 70-4605316                         | 2                   | Nut  |
|          | 60                      | 1220-4605108-01                    | 2                   | Lug  |
|          | 61                      | 3,2x18.019 ГОСТ 397-79             | 8                   | Cotter pin                                 |
|          | 62                      | M12-6H.04.019 ГОСТ 5919-73         | 8                   | Nut  |
|          | 63                      | 50-4605086                         | 8                   | Bolt                                       |
|          | 64                      | A61.09.002                         | 8                   | Shackle                                    |
|          | 65                      | 1220-4605058                       | 2                   | Screw (M20)                                |
|          | 66                      | M20-6H.6.019 ГОСТ 5915-70          | 2                   | Nut  |
|          | 67                      | A61.04.003-01                      | 2                   | Brace                                      |
|          | 68                      | 1220-4605058-01                    | 2                   | Screw (M20 – left thread)                  |
|          | 69                      | 40-4605098                         | 2                   | Ring                                       |
|          | 70                      | 80-4605091<br>80-4605091-01        | 1                   | Right bracket<br>Left bracket              |
|          | 71                      | M16x1,5-6H.6.019 ГОСТ 5915-70      | 16                  | Nut  |
|          | 72                      | 16 OT OCT 37.001.115-75            | 12                  | Washer                                     |
|          | 73                      | H50-4605060                        | 1                   | Chain with ring                            |
|          | 74                      | 1220-4605200                       | 1                   | Fork                                       |
|          | 75                      | 142-4605424                        | 1                   | Locknut                                    |
|          | 76                      | 142-4605422                        | 1                   | Brace                                      |
| 77       | A61.03.102              | 1                                  | Handle              |  |
| 78       | A61.03.101              | 1                                  | Pipe                |  |
| 79       | A61.02.100-02           | 1                                  | Screw (left thread) |  |
| 80       | A61.10.001-02           | 1                                  | Pin                 |  |
| 81       | 70-4605330-Б            | 1                                  | Shackle             |  |
| 82       | 70-4605302-Б            | 1                                  | Spring              |  |
| 83       | A61.10.001              | 1                                  | Pin                 |  |
| 84       | 70-4605320              | 1                                  | Bolt                |  |
| 85       | 70-4605036              | 5                                  | Bolt                |  |
| 86       | 20 OT OCT 37.001.115-75 | 5                                  | Washer              |  |
| 87       | 70-4605304-Б            | 1                                  | Washer              |  |
| 88       | A61.05.005              | 2                                  | Locking pin         |  |
| 89       | A61.05.004              | 2                                  | Ring                |  |

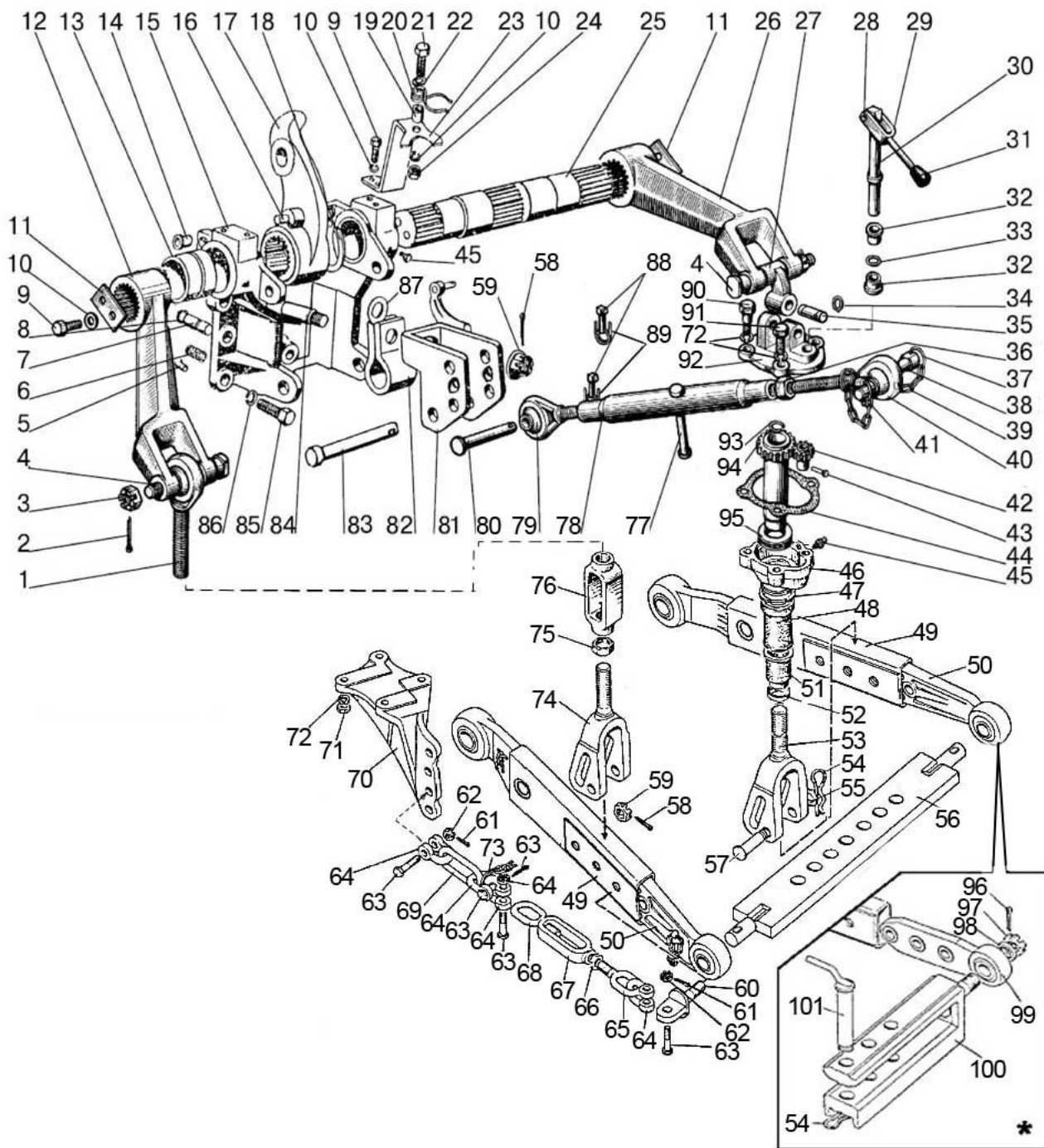


Fig. 46.2. Rear mounted attachment



**Group 46. Hydraulic system  
Subgroup 4605. Rear mounted attachment  
(For tractors with power governor)**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|----------------------------------|-------------|--------------------|
| 46.2            | 90              | 142-4605408                      | 2           | Bolt               |
|                 |                 | M16-6gx40.88.35.019 ГОСТ 7796-70 | 2           | Bolt               |
|                 | 92              | 142-4605418-Б                    | 1           | Cover              |
|                 | 93              | 142-4605403                      | 1           | Restraint          |
|                 | 94              | 142-4605425                      | 1           | Pipe               |
|                 | 95              | 8210 ГОСТ 7872-89                | 1           | Bearing            |
|                 | 96              | 5x45.019 ГОСТ 397-79             | 2           | Cotter pin         |
|                 | 97              | A04.02.020                       | 2           | Nut                |
|                 | 98              | 80-4605068                       | 2           | Washer             |
|                 | 99              | 822-4605060                      | 2           | Tip                |
|                 | 100             | 822-4605065                      | 1           | Cross-bar          |
|                 | 101             | 822-4605070                      | 1           | Pin assembly       |

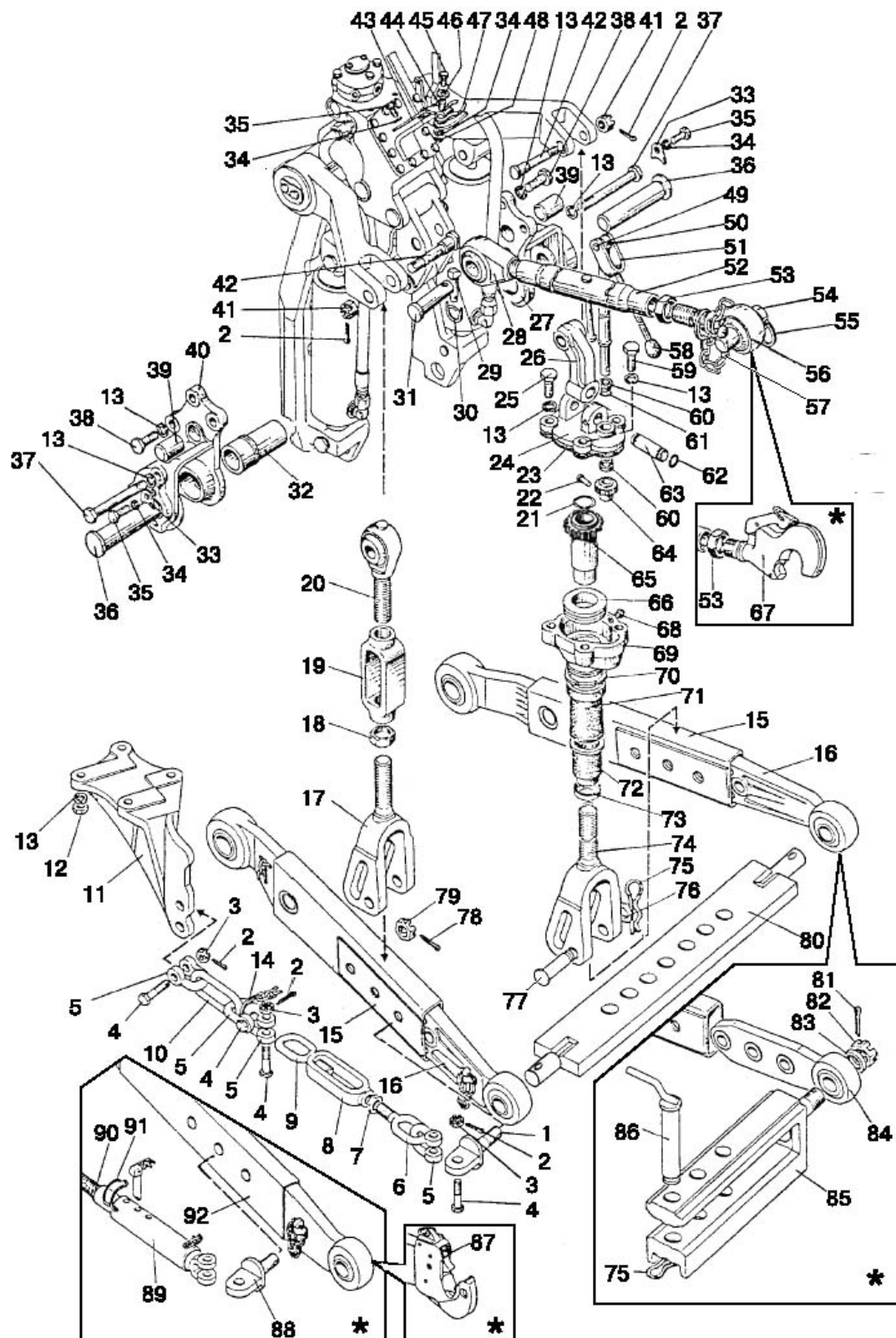


Fig.46.3. Rear mounted attachment (if the tractor is equipped with a hydraulic host)

**Group 46. Hydraulic mounted system**

**Subgroup 4605. Rear mounted attachment (if the tractor is equipped with a hydraulic host)**

| Fig. No. | Pos. No. | Designation                      | Q-ty                          | Description                                 |                      |
|----------|----------|----------------------------------|-------------------------------|---|----------------------|
| 46.3     |          | 822-4605010                      | 1                             | Mounted system (1-66,68-79)                 |                      |
|          |          | A61.03.000                       | 1                             | Upper rod (28,52-57)<br>Pin pos.54 Ø22 mm   |                      |
|          |          | A61.03.000-01*                   | 1                             | Upper rod (28,52-57)<br>Pin pos.54 Ø25 mm   |                      |
|          |          | 80-4605690*                      | 1                             | Upper rod (28,52-56,67)                     |                      |
|          |          | 1220-4605150-Б-01                | 1                             | Adjustable brace (13,21-26,49-51,<br>58-74) |                      |
|          |          | 1220-4605610-01                  | 1                             | Adjustable brace (for solid rod)            |                      |
|          |          | 1220-4605012-Б                   | 1                             | Brace (17-20)                               |                      |
|          |          | 1220-4605612-01*                 | 1                             | Screwed brace (for solid rod)               |                      |
|          |          | 1220-4605030-Б-02                | 2                             | Rod (1,15,16,78,79) b=38 mm                 |                      |
|          |          | 1220-4605030-Б-04*               | 2                             | Rod (1,15,16,78,79) b=45 mm                 |                      |
|          |          | 1220-4605580                     | 2                             | Brace (6-9)                                 |                      |
|          |          | 822-4605085                      | 1                             | Cross-bar (75,81-86)                        |                      |
|          |          | 80-4605280                       | 2                             | Telescopic drawbar (89-91)                  |                      |
|          | 1        |                                  | 1220-4605108-01               | 2   | Lug                  |
|          | 2        |                                  | 3,2x25.019 ГОСТ 397-79        | 8   | Cotter pin           |
|          | 3        |                                  | M12-6H.04.019 ГОСТ 5919-73    | 8   | Nut                  |
|          | 4        |                                  | 50-4605086                    | 8   | Bolt                 |
|          | 5        |                                  | A61.09.002                    | 8   | Shackle              |
|          | 6        |                                  | 1220-4605058                  | 2   | Screw                |
|          | 7        |                                  | M20-6H.04.019 ГОСТ 5916-70    | 2   | Nut                  |
|          | 8        |                                  | A61.04.003-01                 | 2   | Brace                |
|          | 9        |                                  | 1220-4605058-01               | 2   | Screw                |
|          | 10       |                                  | 40-4605098                    | 2   | Ring                 |
|          | 11       |                                  | 80-4605091                    | 1   | Right bracket        |
|          |          |                                  | 80-4605091-01                 | 1   | Left bracket         |
|          | 12       |                                  | M16x1,5-6H.6.019 ГОСТ 5915-70 | 8   | Nut                  |
|          | 13       |                                  | 16 OT OCT 37.001.115-75       | 16  | Washer               |
|          | 14       |                                  | H50-4605060                   | 2   | Chain with ring      |
|          | 15       |                                  | 1220-4605050-Б-01             | 2   | Rod (with chain)     |
|          | 16       |                                  | 1220-4605040                  | 2   | Rod (joint b=38 mm)  |
|          |          |                                  | 1220-4605040-02*              | 2   | Rod (joint b=45 mm)  |
|          | 17       |                                  | 1220-4605200-Б                | 1   | Fork                 |
|          |          |                                  | 1220-4605620-Б*               | 1   | Fork (for solid rod) |
|          | 18       |                                  | 142-4605424                   | 1   | Locknut              |
|          | 19       |                                  | 142-4605422                   | 1   | Brace                |
|          | 20       |                                  | 1220-4605075                  | 1   | Screw                |
|          | 21       |                                  | 142-4605403                   | 1   | Restraint            |
| 22       |          | A61.01.005                       | 1                             | Axle  |                      |
| 23       |          | 142-4605421                      | 1                             | Gasket                                      |                      |
| 24       |          | 142-4605418-Б                    | 1                             | Cover                                       |                      |
| 25       |          | 142-4605408                      | 2                             | Bolt  |                      |
| 26       |          | 1220-4605668-Б                   | 1                             | Shackle                                     |                      |
| 27       |          | 1220-4605501                     | 1                             | Right bracket                               |                      |
| 28       |          | A61.02.100-03                    | 1                             | Screw                                       |                      |
| 29       |          | A61.05.005                       | 1                             | Locking pin                                 |                      |
| 30       |          | A61.05.004                       | 1                             | Ring  |                      |
| 31       |          | A61.10.001-02                    | 1                             | Pin   |                      |
| 32       |          | 1220-4605502                     | 2                             | Bush  |                      |
| 33       |          | 1220-4605504                     | 2                             | Plate                                       |                      |
| 34       |          | 12 OT OCT 37.001.115-75          | 4                             | Washer                                      |                      |
| 35       |          | M12-6gx25.88.35.019 ГОСТ 7796-70 | 4                             | Bolt  |                      |
| 36       |          | 1220-4605503                     | 2                             | Pin   |                      |
| 37       |          | 70-2800016-01                    | 2                             | Bolt  |                      |

\* optionally

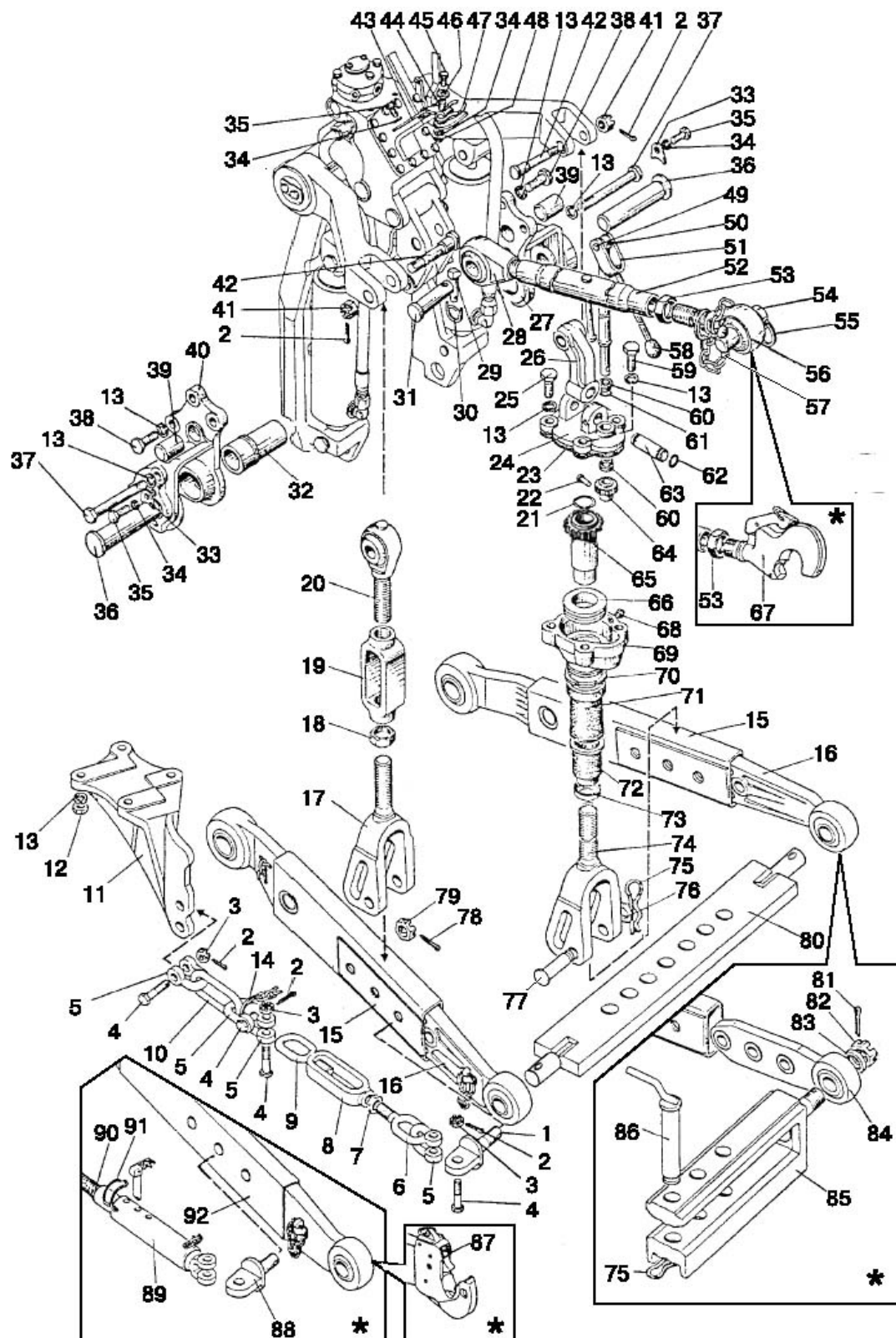


Fig.46.3. Rear mounted attachment (if the tractor is equipped with a hydraulic host)

**Group 46. Hydraulic mounted system**

**Subgroup 4605. Rear mounted attachment (if the tractor is equipped with a hydraulic host)**

| Fig. No. | Pos. No.              | Designation                          | Q-ty         | Description                           |
|----------|-----------------------|--------------------------------------|--------------|---------------------------------------|
| 46.3     | 38                    | 1220-4605506                         | 6            | Bolt                                  |
|          |                       | 1220-4605507                         | 2            | Pin                                   |
|          | 40                    | 1220-4605501-01                      | 1            | Left bracket                          |
|          | 41                    | M20x1,5-6H.04.019 ГОСТ 5919-73       | 2            | Nut                                   |
|          | 42                    | 142-4605076                          | 2            | Pin                                   |
|          | 43                    | 1220-4605675                         | 1            | Bracket                               |
|          | 44                    | 50-4605069                           | 1            | Bush                                  |
|          | 45                    | M12-6gx35.88.35.019 ГОСТ 7796-70     | 1            | Bolt                                  |
|          | 46                    | C 12.01.019 ГОСТ 11371-78            | 1            | Washer                                |
|          | 47                    | A61.07.002                           | 1            | Spring                                |
|          | 48                    | M12-6H.6.019 ГОСТ 5915-70            | 1            | Nut                                   |
|          | 49                    | A61.01.016                           | 1            | Axle                                  |
|          | 50                    | A.61.01.600                          | 1            | Shaft                                 |
|          | 51                    | A61.01.400                           | 1            | Fork                                  |
|          | 52                    | A61.03.100                           | 1            | Pipe                                  |
|          | 53                    | A61.02.003                           | 1            | Locknut                               |
|          | 54                    | A61.03.001-02                        | 1            | Pin Ø22 mm                            |
|          |                       | A61.03.001-01*                       | 1            | Pin Ø25 mm                            |
|          | 55                    | A61.03.002                           | 2            | Ring                                  |
|          | 56                    | A61.02.100-04                        | 1            | Screw with a hole in the joint Ø22 mm |
|          |                       | A61.02.100-05*                       | 1            | Screw with a hole in the joint Ø25 mm |
|          | 57                    | A61.05.100                           | 1            | Locking pin (9 links)                 |
|          | 58                    | A61.01.014                           | 1            | Handle                                |
|          | 59                    | M16-6gx40.88.35.019 ГОСТ 7796-70     | 2            | Bolt                                  |
|          | 60                    | A61.01.017                           | 2            | Bush                                  |
|          | 61                    | 016-021-30-2-4 ГОСТ 18829-73/9833-73 | 1            | Ring                                  |
|          | 62                    | 142-4605431                          | 2            | Ring                                  |
|          | 63                    | 142-4605404-Б                        | 1            | Pin                                   |
|          | 64                    | 142-4605413                          | 1            | Gear                                  |
|          | 65                    | 142-4605425                          | 1            | Pipe                                  |
|          | 66                    | 8210 ГОСТ 7872-89                    | 1            | Bearing                               |
|          | 67                    | 80-4605685*                          | 1            | Gripping device                       |
|          | 68                    | 1.3.Ц9.xp ГОСТ 19853-74              | 1            | Greaser                               |
|          | 69                    | 142-4605415                          | 1            | Casing                                |
|          | 70                    | 142-4605402                          | 1            | Bush                                  |
|          | 71                    | 142-4605407                          | 1            | Pipe                                  |
|          | 72                    | 142-4605406                          | 1            | Cap                                   |
|          | 73                    | 142-4605401                          | 1            | Restraint                             |
|          | 74                    | 1220-4605100-Б                       | 1            | Fork                                  |
|          |                       | 1220-4605615                         | 1            | Fork (for solid rod)                  |
|          | 75                    | A61.07.001                           | 3            | Cotter pin                            |
|          | 76                    | 50-3503071                           | 2            | Washer                                |
|          | 77                    | 1220-4605084                         | 2            | Pin L=130 mm                          |
|          |                       | 1220-4605084-01                      | 2            | Pin L=100 mm (for solid rod)          |
|          | 78                    | 5x36.019 ГОСТ 397-79                 | 2            | Cotter pin                            |
|          | 79                    | 70-4605316                           | 2            | Nut                                   |
| 80       | 1220-4605025          | 1                                    | Cross-bar    |                                       |
| 81       | 5x45.019 ГОСТ 397-79* | 2                                    | Cotter pin   |                                       |
| 82       | A04.02.020*           | 2                                    | Nut          |                                       |
| 83       | 80-4605068*           | 2                                    | Washer       |                                       |
| 84       | 822-4605060*          | 2                                    | Tip          |                                       |
| 85       | 822-4605065*          | 1                                    | Cross-bar    |                                       |
| 86       | 822-4605070*          | 1                                    | Pin assembly |                                       |

\* Optionally

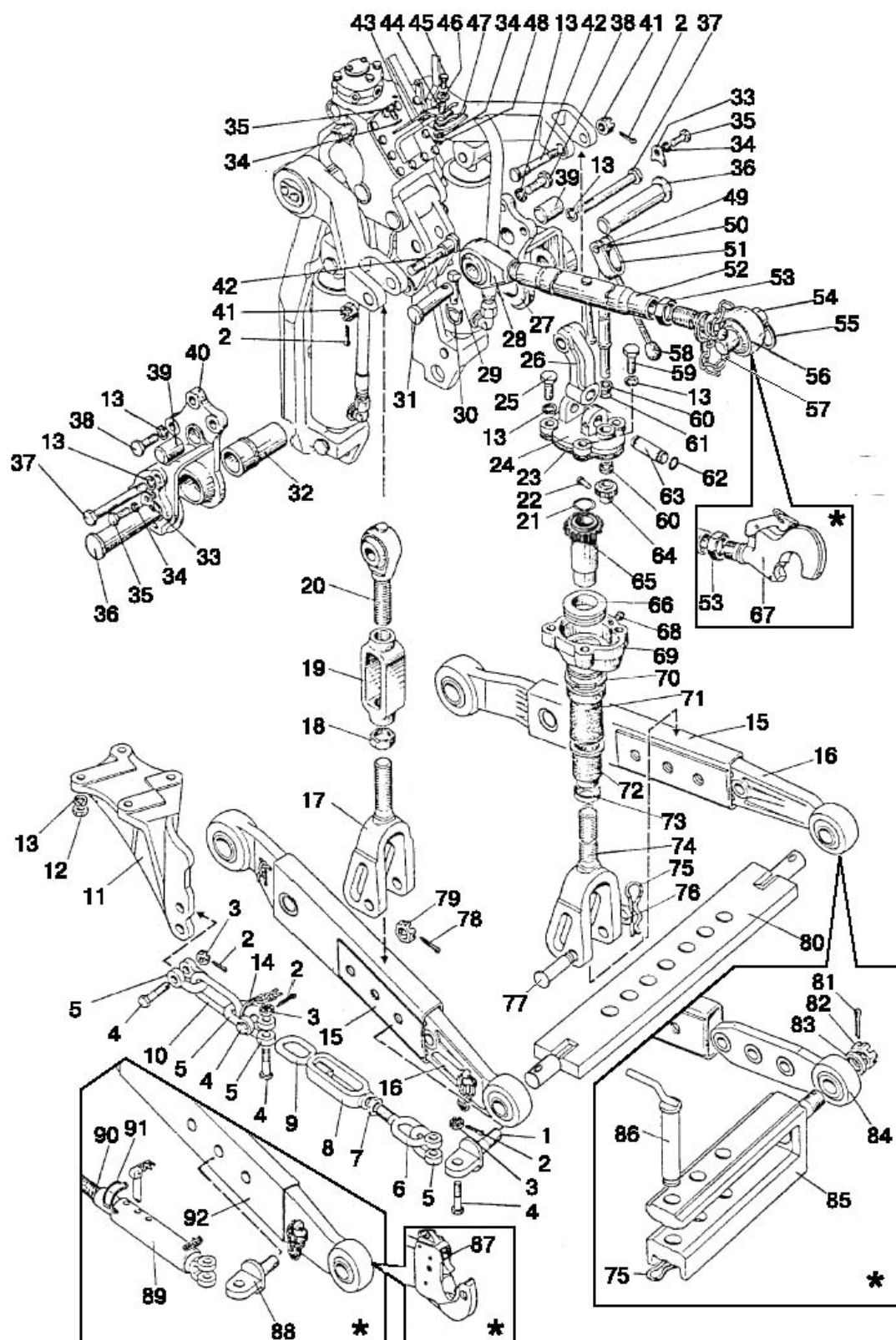


Fig.46.3. Rear mounted attachment (if the tractor is equipped with a hydraulic host)

**Group 46. Hydraulic mounted system**

**Subgroup 4605. Rear mounted attachment (if the tractor is equipped with a hydraulic host)**

| Fig. No. | Pos. No. | Designation      | Q-ty | Description                                |
|----------|----------|------------------|------|--|
| 46.3     | 87       | 1220-4605630-04* | 1    | Right rod without chain                    |
|          |          | 1220-4605630-05* | 1    | Right rod with chain with gripping devices |
|          |          | 1220-4605635-04* | 1    | Left rod without chain                     |
|          |          | 1220-4605635-05* | 1    | Left rod with chain                        |
|          | 88       | 1220-4605108*    | 2    | Lug  |
|          | 89       | 80-4605285-Б*    | 2    | Pipe                                       |
|          | 90       | 80-4605284*      | 2    | Screw                                      |
|          | 91       | 80-4605292*      | 2    | Latch                                      |
|          | 92       | 1220-4605530-04* | 2    | Rod without chain b=38 mm                  |
|          |          | 1220-4605530-05* | 2    | Rod with chain b=38 mm                     |
|          |          | 1220-4605530-06* | 2    | Rod without chain b=45 mm                  |
|          |          | 1220-4605530-07* | 2    | Rod with chain b=45 mm                     |

\* Optionally

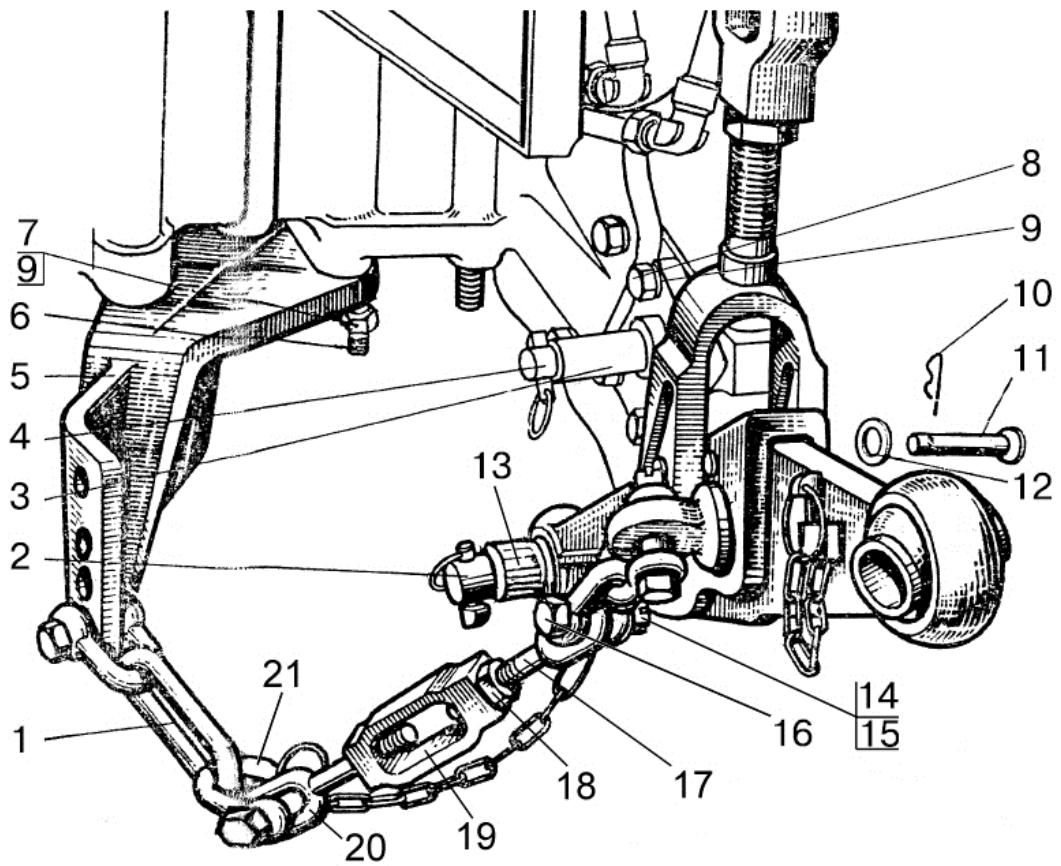


Fig. 46.4. External interlock of the lower rods



**Group 46. Hydraulic mounted system**  
**Subgroup 4605. External interlock of the lower rods**

| Fig. No. | Pos. No.      | Designation                      | Q-ty    | Description   |
|----------|---------------|----------------------------------|---------|---------------|
| 46.4     |               | A61.04.000                       | 2       | Brace (17-20) |
|          |               | 40-4605098                       | 2       | Ring          |
|          | 2             | Φ50-4605026                      | 1       | Axle          |
|          | 3             | Φ50-4605097                      | 2       | Bush          |
|          | 4             | Φ50-4605020                      | 2       | Bracket       |
|          | 5             | 80-4605091                       | 1       | Left bracket  |
|          |               | 80-4605091-01                    | 1       | Right bracket |
|          | 6             | 50-4609082                       | 8       | Pin           |
|          | 7             | M16x1,5-6H.6.019 ГОСТ 5918-73    | 16      | Nut           |
|          | 8             | M16-6gx40.88.35.019 ГОСТ 7796-70 | 8       | Bolt          |
|          | 9             | 16 OT OCT 37.001.115-75          | 16      | Washer        |
|          | 10            | A61 07 001                       | 2       | Cotter pin    |
|          | 11            | Φ50-4605084                      | 2       | Pin           |
|          | 12            | C 18.01.019 ГОСТ 11371-78        | 4       | Washer        |
|          | 13            | Φ50-4605047-A2                   | 2       | Bush          |
|          | 14            | 3,2x18.019 ГОСТ 397-79           | 8       | Cotter pin    |
|          | 15            | M12-6H.04.019 ГОСТ 5919-73       | 8       | Nut           |
|          | 16            | 50-4605086                       | 8       | Bolt          |
|          | 17            | A61.04.002                       | 2       | Screw         |
|          | 18            | M18-6H.04.019 ГОСТ 5916-70       | 2       | Nut           |
|          | 19            | A61.04.003                       | 2       | Brace         |
| 20       | A61.04.002-01 | 2                                | Screw   |               |
| 21       | A61.09.002    | 8                                | Shackle |               |

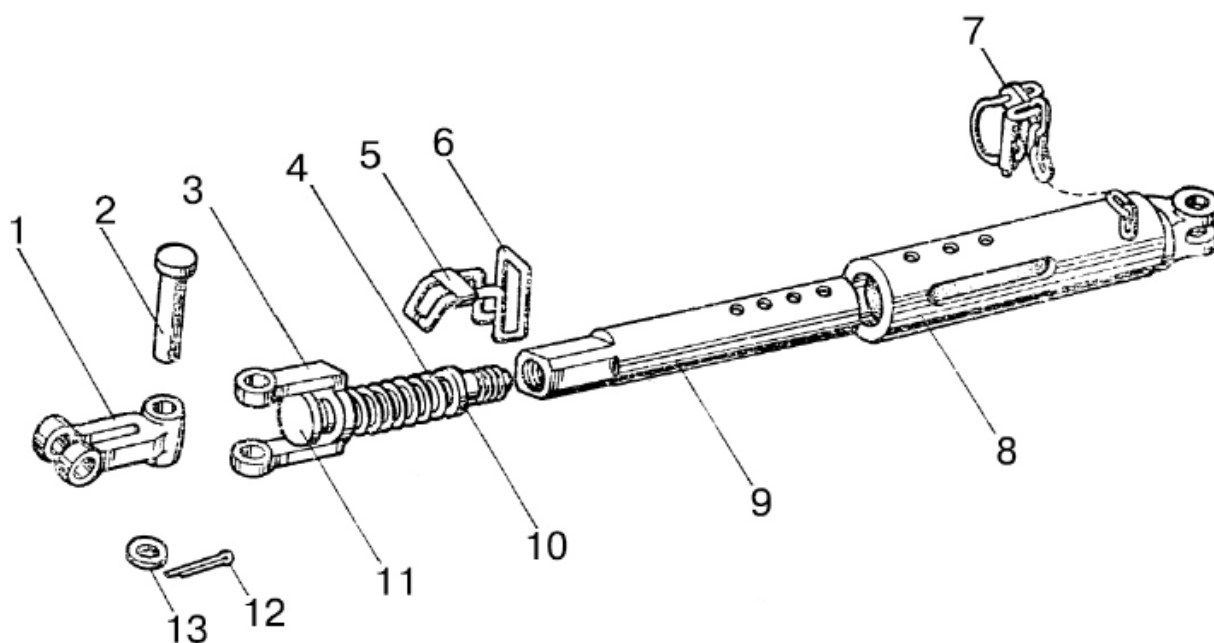


Fig. 46.5. Telescopic drawbar

**Group 46. Hydraulic mounted system  
Subgroup 4605. Telescopic drawbar**

| Fig. No. | Pos. No.                | Number of the assembly unit or part      | Q-ty       | Description               |
|----------|-------------------------|--|------------|---------------------------|
| 46.5     |                         | 80-4605280                               | 2          | Telescopic drawbar (1-13) |
|          | 1                       | 80-4605281                               | 2          | Fork                      |
|          | 2                       | 80-4605283 or<br>16x80 OCT 37.001.163-75 | 2          | Axle (L=75 mm)            |
|          |                         |  | 2          | Pin                       |
|          | 3                       | 80-4605282                               | 2          | Shackle                   |
|          | 4                       | 50-4609018                               | 2          | Spring                    |
|          | 5                       | 80-4605293                               | 2          | Plate                     |
|          | 6                       | 80-4605289                               | 2          | Handle                    |
|          | 7                       | 80-4605290                               | 2          | Locking pin               |
|          | 8                       | 80-4605285-Б                             | 2          | Pipe                      |
|          | 9                       | 80-4605288-Б                             | 2          | Slider                    |
|          | 10                      | C 12.01.019 ГОСТ 11371-78                | 2          | Washer                    |
|          | 11                      | 80-4605284                               | 2          | Screw                     |
| 12       | 3,2x25.019 ГОСТ 397-79  | 2  | Cotter pin |                           |
| 13       | 16 OT OCT 37.001.115-75 | 2  | Washer     |                           |

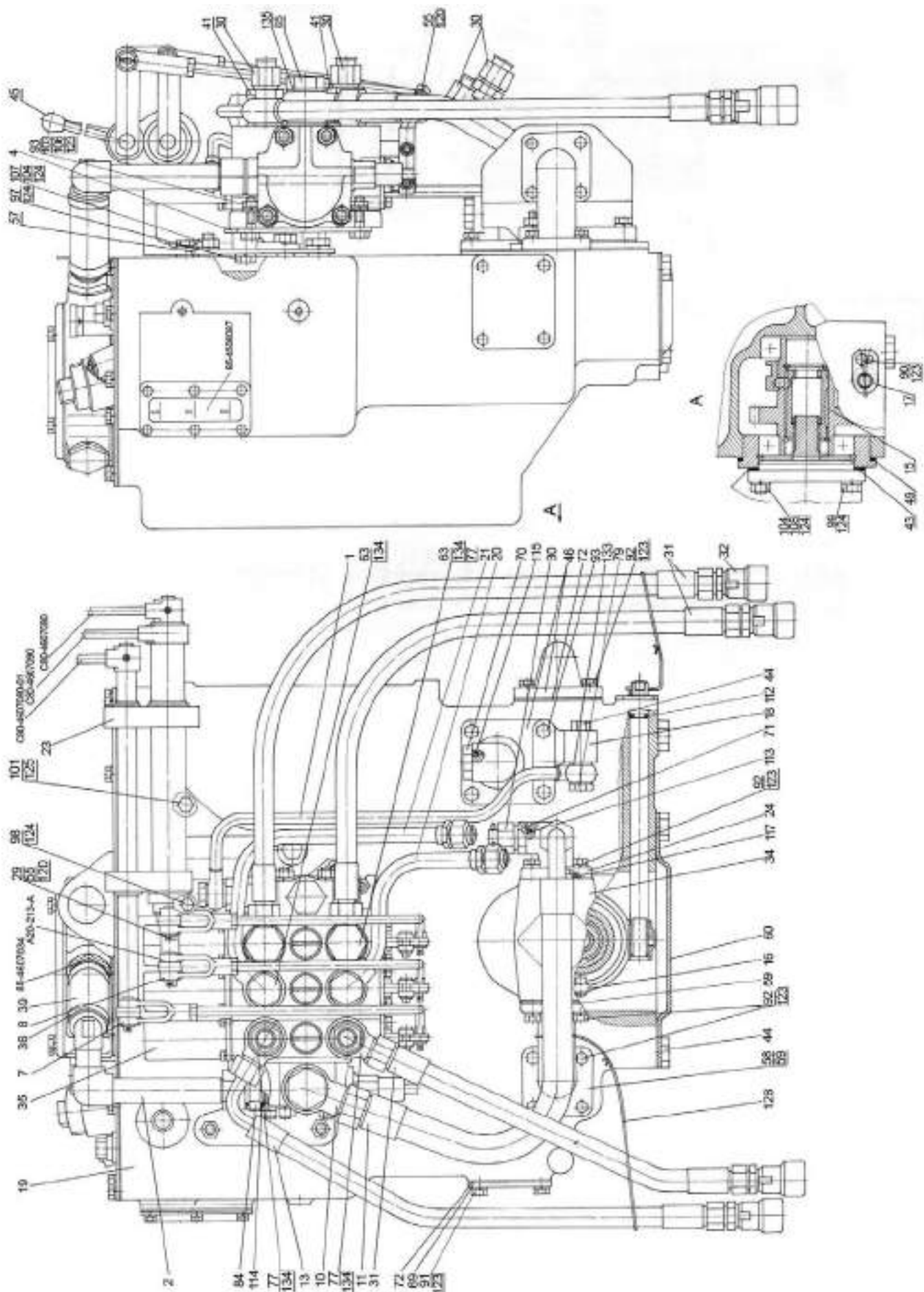


Fig.46.6. Hydraulic system P85-4600015

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic system P85-460015**

| Fig. No. | Pos. No.                        | Number of the assembly unit or part | Q-ty                     | Description                                    |
|----------|---------------------------------|-------------------------------------|--------------------------|--|
| 46.6     |                                 | P85-4600015-02                      |                          | Hydraulic system                               |
|          | 1                               | P85-4607110                         | 1                        | Pipe   |
|          | 2                               | P85-4607425                         | 1                        | Pipe   |
|          | 4                               | P1221-4607030                       | 1                        | Bracket  |
|          | 7                               | P1221-4607260                       | 1                        | Rod  |
|          | 8                               | P1221-4607260-01                    | 2                        | Rod  |
|          | 10                              | 952-4607080                         | 1                        | Connecting pipe                                |
|          | 11                              | 952-4607140                         | 1                        | High-pressure hose pipe Ø16x2 reinforced       |
|          | 13                              | 680-4607140-04                      | 1                        | High-pressure hose pipe Ø10 x1 reinforced      |
|          | 15                              | 80-4604010                          | 1                        | Pump drive                                     |
|          | 16                              | 85-4604030                          | 1                        | Fork   |
|          | 17                              | 85-4604040-Б                        | 1                        | Shaft  |
|          | 18                              | 85-4607435                          | 1                        | Bracket  |
|          | 19                              | 85-4608010                          | 1                        | Hydraulic system casing                        |
|          | 20                              | 85-4607060-Б                        | 1                        | Pipe   |
|          | 21                              | 85-4607080-Б                        | 1                        | Pipe   |
|          | 23                              | 80-4607040-04                       | 1                        | Bracket  |
|          | 24                              | Д80-4607100                         | 1                        | Branch pipe                                    |
|          | 29                              | A61-030-A1                          | 3                        | Pin  |
|          | 30                              | H.036.12.010                        | 5                        | Choke  |
|          | 31                              | ПН.036.83.040                       | 3                        | High-pressure hose pipe Ø10x1 reinforced       |
|          | 32                              | M036.50Б.10                         | 4                        | Left casing                                    |
|          | 34                              | НШ32Д-3 or<br>НШ32УКФ-3             | 1                        | Gear pump                                      |
|          | 35                              | РП70-1221 С                         | 1                        | Distributor                                    |
|          | 36                              | ХС-31                               | 2                        | Clamp  |
|          | 39                              | P85-4607063                         | 1                        | Hose pipe 25x35-1,6 GOST10362-76<br>(L=90±1)mm |
|          | 41                              | 952-4607061                         | 2                        | Connecting pipe                                |
|          | 43                              | 36-1022054-A                        | 1                        | Gasket   |
|          | 44                              | 1221-1802091                        | 3                        | Threaded plug                                  |
|          | 45                              | 70-3401093                          | 3                        | Lever tip                                      |
|          | 46                              | 85-3407101                          | 2                        | Branch pipe                                    |
|          | 49                              | 70-4604037                          | 1                        | Gasket   |
|          | 55                              | 70-4607144                          | 6                        | Washer   |
|          | 57                              | 50-4607032-Б                        | 1                        | Bracket  |
|          | 58                              | 50-4607096-A                        | 1                        | Branch pipe                                    |
|          | 59                              | 50-4607097                          | 4                        | Gasket   |
|          | 60                              | 50-4607099                          | 1                        | Cover  |
|          | 63                              | 40-4607032                          | 4                        | Clamping bolt                                  |
|          | 65                              | 40-4607037                          | 1                        | Bolt   |
|          | 69                              | 80-4608019                          | 1                        | Cover  |
|          | 70                              | 85-4608021                          | 2                        | Plug   |
|          | 71                              | 70-1405089                          | 1                        | Male pipe adapter                              |
| 72       | 70-4608033                      | 3                                   | Gasket                   |  |
| 77       | 530-4614029                     | 4                                   | Angle piece              |  |
| 79       | Д18-051                         | 2                                   | Bolt                     |  |
| 84       | H.036.04.011                    | 1                                   | Screw-in connecting pipe |  |
| 90       | M8-6gx16.88.35.019 ГОСТ 7796-70 | 2                                   | Bolt                     |  |
| 91       | M8-6gx20.88.35.019 ГОСТ 7796-70 | 4                                   | Bolt                     |  |
| 92       | M8-6gx25.88.35.019 ГОСТ 7796-70 | 18                                  | Bolt                     |  |

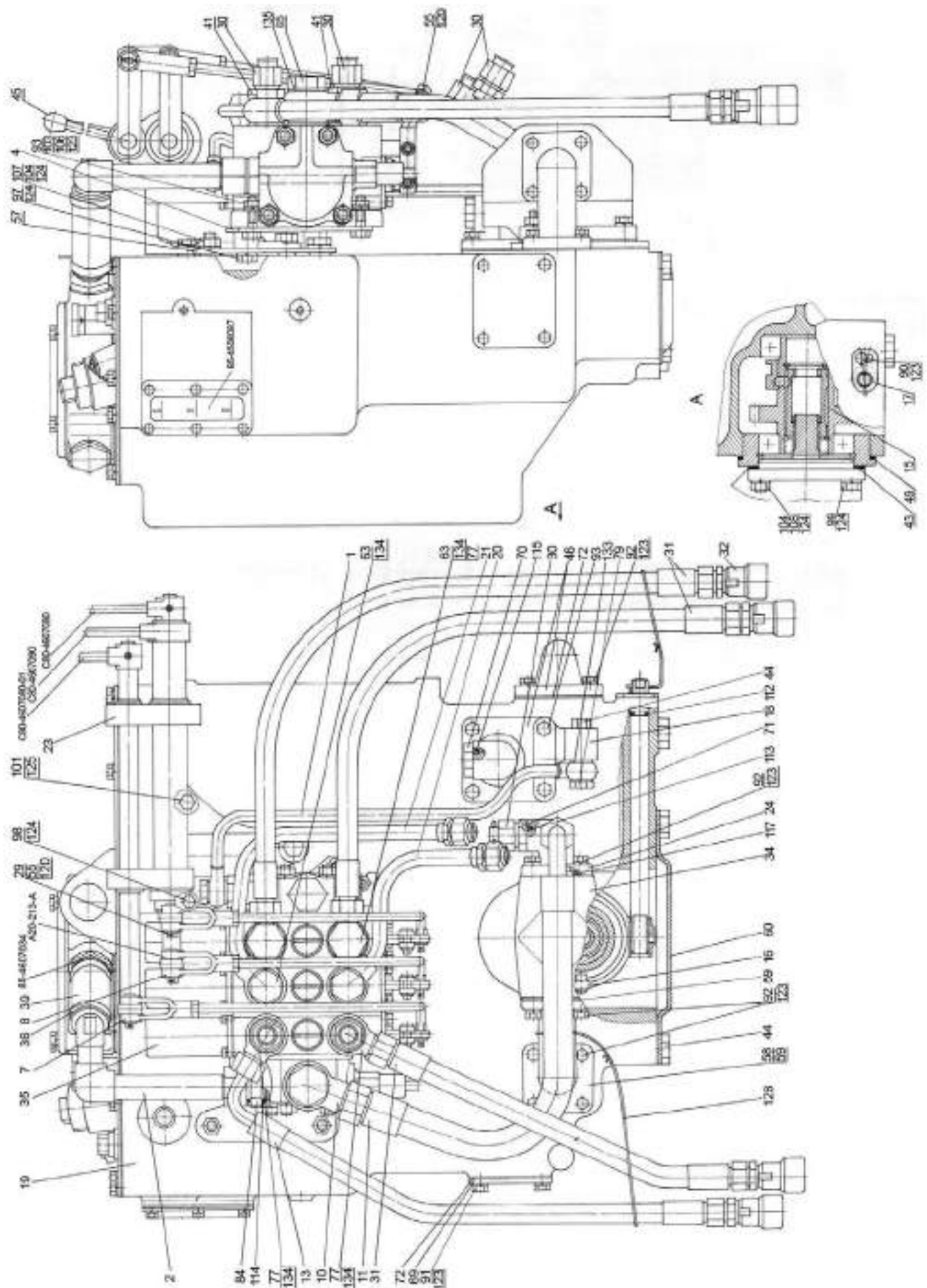


Fig.46.6. Hydraulic system P85-4600015

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic system P85-460015**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b>  | <b>Description</b> |
|-----------------|-----------------|--|--------------|--------------------|
| 46.6            | 93              | M8-6gx30.88.35.019 ГОСТ 7796-70            | 6            | Bolt               |
|                 | 97              | M10-6gx20.88.35.019 ГОСТ 7796-70           | 3            | Bolt               |
|                 | 98              | M10-6gx30.88.35.019 ГОСТ 7796-70           | 1            | Bolt               |
|                 | 99              | M10-6gx40.88.35.019 ГОСТ 7796-70           | 2            | Bolt               |
|                 | 101             | M12-6gx35.88.35.019 ГОСТ 7796-70           | 2            | Bolt               |
|                 | 103             | M8-6H.6.019 ГОСТ 5915-70                   | 4            | Nut                |
|                 | 104             | M10-6H.6.019 ГОСТ 5915-70                  | 5            | Nut                |
|                 | 106             | C 8.01.019 ГОСТ 11371-78                   | 4            | Washer             |
|                 | 107             | M10 3p/6gx20.66.019 ГОСТ 22034-76          | 3            | Pin                |
|                 | 108             | M10 3p/6gx35.66.019 ГОСТ 22034-76          | 2            | Pin                |
|                 | 112             | 013-017-25-1-4 ГОСТ 18829-73/9833-73       | 1            | Ring               |
|                 | 113             | 017-022-30-1-4 ГОСТ 18829-73/9833-73       | 1            | Ring               |
|                 | 114             | 021-024-19-2-2 ГОСТ 18829-73/9833-73       | 1            | Ring               |
|                 | 115             | 021-025-25-1-4 ГОСТ 18829-73/9833-73       | 2            | Ring               |
|                 | 117             | 035-040-30-1-4 ГОСТ 18829-73/9833-73       | 1            | Ring               |
|                 | 120             | 3,2x18.019 ГОСТ 397-79                     | 6            | Cotter pin         |
|                 | 123             | 8T OCT 37.001.115-75                       | 30           | Washer             |
|                 | 124             | 10 OT OCT 37.001.115-75                    | 11           | Washer             |
|                 | 125             | 12 OT OCT 37.001.115-75                    | 2            | Washer             |
|                 | 128             | 1,0-O-C ГОСТ 3282-74                       | 1            | Wire (250x3) mm    |
| 133             | 4600.18         | 4  | Washer PM14  |                    |
| 134             | 4600.20         | 12   | Washer PM1/2 |                    |
| 135             | 4600.22         | 2  | Washer PM24  |                    |

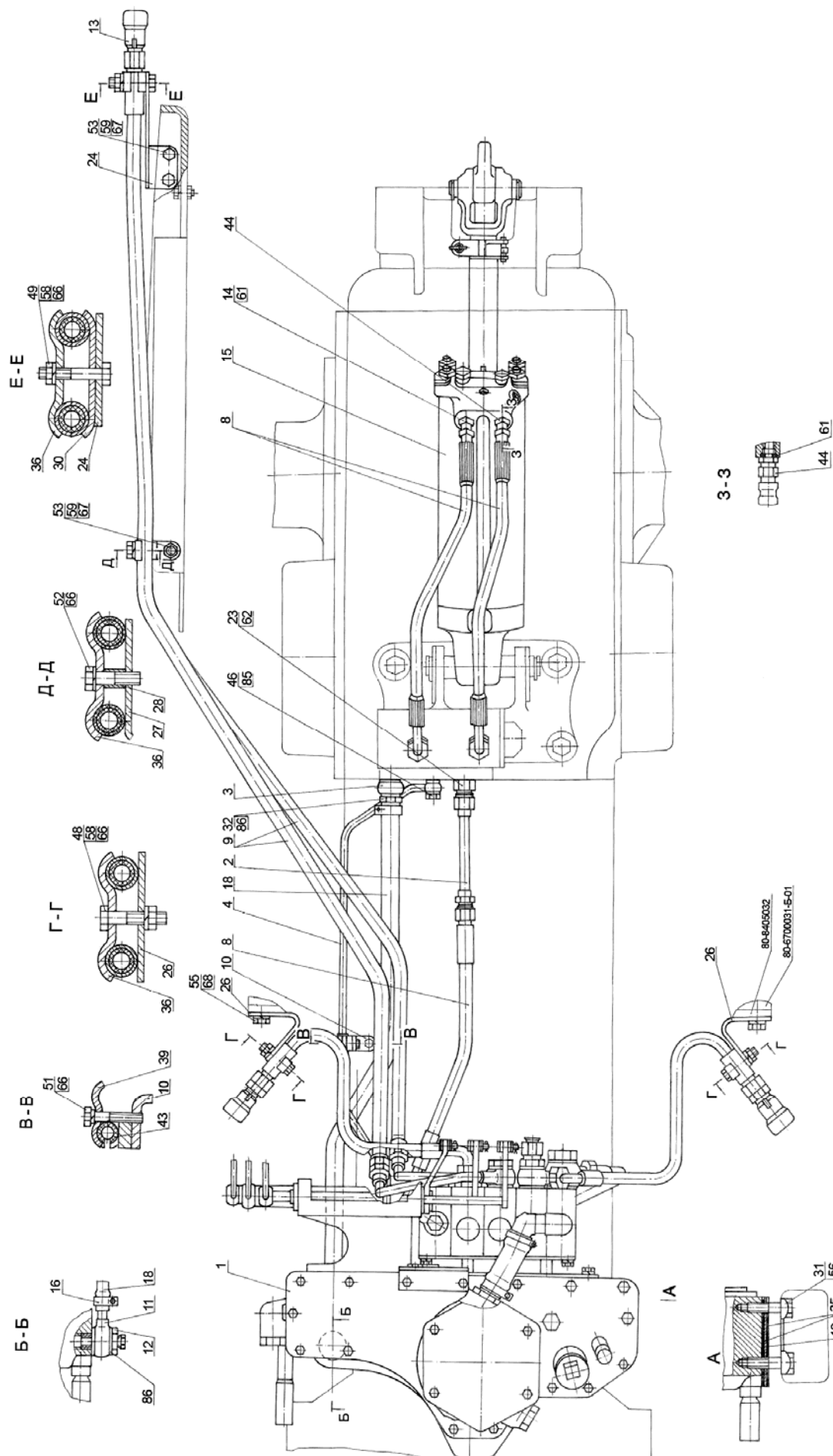


Fig.46.7. Hydraulic system P90-4600010



**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic system P90-4600010**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b>  |
|-----------------|-----------------|--|-------------|---|
| 46.7            |                 | P90-4600010-04                             |             | Hydraulic system  |
|                 | 1               | P85-4600015-02                             | 1           | Hydraulic system casing   |
|                 | 2               | P85-4607010                                | 1           | Pipe  |
|                 | 3               | 1221-3407090                               | 1           | Oil pipeline  |
|                 | 4               | 80-4607200                                 | 1           | Pipe  |
|                 | 8               | 680-4607140-05                             | 3           | High-pressure hose pipe $\phi 10 \times 1$ reinforced             |
|                 | 9               | П100-4607140-01                            | 2           | High-pressure hose pipe $\phi 10 \times 1$ reinforced             |
|                 | 10              | 70-4607270-A                               | 1           | Bracket   |
|                 | 11              | C80-4607380                                | 1           | Pipe  |
|                 | 12              | 80-4607455                                 | 1           | Bolt  |
|                 | 13              | M036.50Б.10                                | 2           | Left casing   |
|                 | 14              | H.036.65.000-A2-06                         | 1           | Slowing-down valve  |
|                 | 15              | Ц100x200-3                                 | 1           | Hydraulic cylinder Ц100x200-3                                     |
|                 | 16              | XC-21                                      | 2           | Clamp   |
|                 | 18              | Д80-4607063                                | 1           | Hose  |
|                 | 23              | C80-4607204                                | 1           | Connecting pipe   |
|                 | 24              | M80-4607014                                | 1           | Bracket   |
|                 | 26              | M80-4607017                                | 2           | Bracket   |
|                 | 27              | M80-4607018                                | 1           | Bracket   |
|                 | 28              | E1021-4607044                              | 1           | Bush  |
|                 | 30              | 70-4607156                                 | 1           | Slat  |
|                 | 31              | 70-4607168                                 | 2           | Plates  |
|                 | 32              | 40-4607032                                 | 1           | Clamping bolt   |
|                 | 35              | 50-4608049                                 | 2           | Gasket  |
|                 | 36              | 40-4607029-A                               | 4           | Slat  |
|                 | 39              | 70-4607161-A                               | 1           | Slat  |
|                 | 40              | 70-4608072                                 | 1           | Plate   |
|                 | 43              | 70-3506027                                 | 1           | Bush  |
|                 | 44              | 70-1405089                                 | 1           | Male pipe adapter   |
|                 | 46              | Д18-051                                    | 2           | Bolt  |
|                 | 48              | M8-6gx40.88.35.019 ГОСТ 7795-70            | 2           | Bolt  |
|                 | 49              | M8-6gx45.88.35.019 ГОСТ 7795-70            | 1           | Bolt  |
|                 | 51              | M8-6gx30.88.35.019 ГОСТ 7796-70            | 1           | Bolt  |
|                 | 52              | M8-6gx35.88.35.019 ГОСТ 7796-70            | 1           | Bolt  |
|                 | 53              | M10-6gx25.88.35.019 ГОСТ 7796-70           | 3           | Bolt  |
|                 | 55              | M12-6gx30.88.35.019 ГОСТ 7796-70           | 1           | Bolt  |
|                 | 56              | M14x1,5-6gx45.88.35.019 ГОСТ 7796-70       | 4           | Bolt  |
|                 | 58              | M8-6H.6.019 ГОСТ 5915-70                   | 3           | Nut   |
|                 | 59              | M10-6H.6.019 ГОСТ 5915-70                  | 3           | Nut   |
|                 | 61              | 017-022-30-1-4 ГОСТ 18829-73/9833-73       | 2           | Ring  |
|                 | 62              | 024-028-25-1-4 ГОСТ 18829-73/9833-73       | 1           | Ring  |
|                 | 66              | 8T OCT 37.001.115-75                       | 5           | Washer  |
|                 | 67              | 10 OT OCT 37.001.115-75                    | 3           | Washer  |
|                 | 68              | 12 OT OCT 37.001.115-75                    | 1           | Washer  |
|                 | 85              | 4600.18                                    | 4           | Washer PM14   |
|                 | 86              | 4600.20                                    | 4           | Washer PM1/2  |
|                 |                 | M036.50Б.20                                | 6           | Right casing (to be put into the spare parts and accessories kit) |

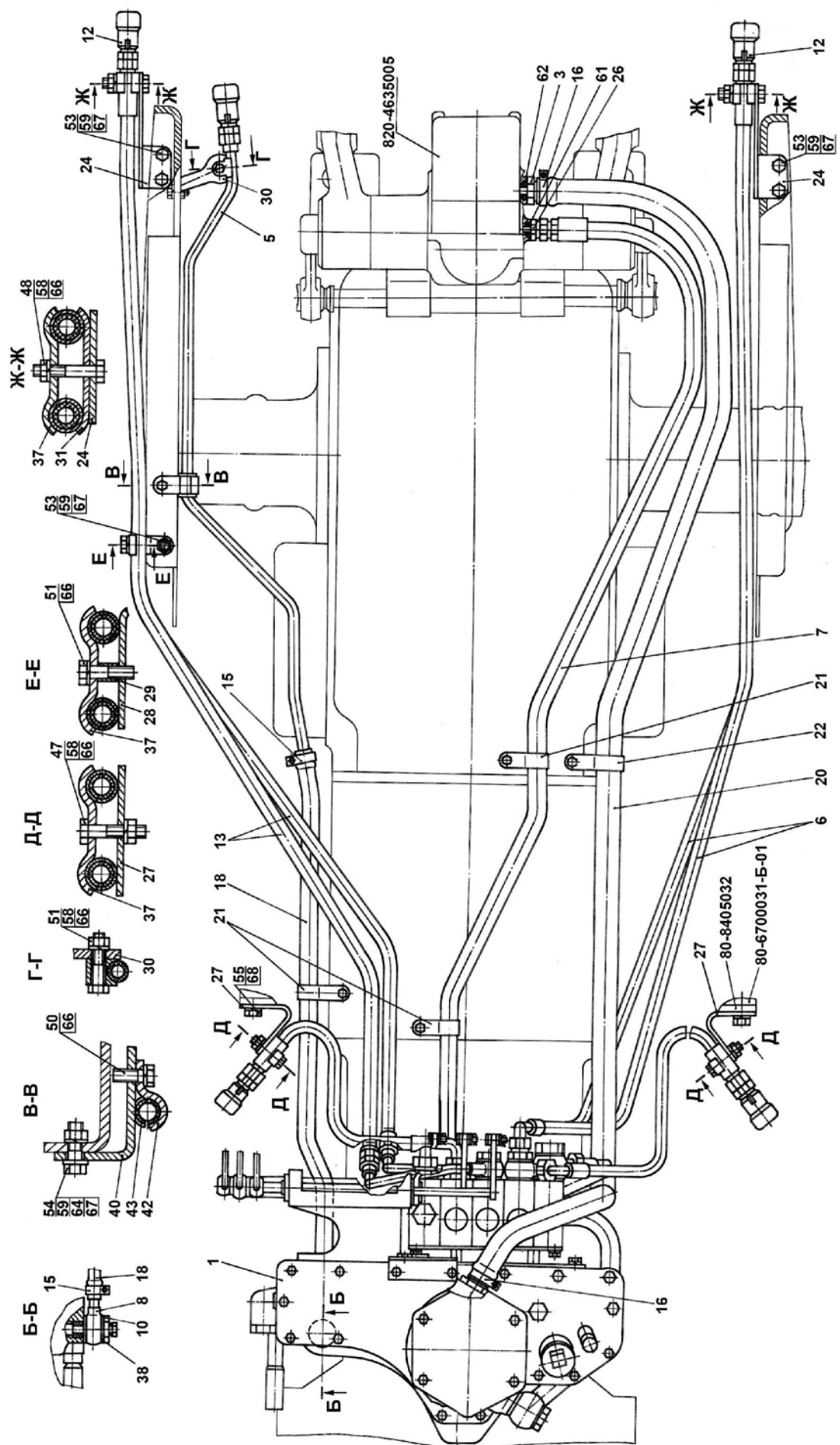


Fig.46.8. Hydraulic system P1221-4600010

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic units and fittings**

| <b>Fig. No.</b> | <b>Pos. No.</b>         | <b>Number of the assembly unit or part</b> | <b>Q-ty</b> | <b>Description</b>                                       |
|-----------------|-------------------------|--|-------------|--|
| 46.8            |                         | P1221-4600010-02                           | 1           | Hydraulic system   |
|                 | 1                       | P1221-4600015-02                           | 1           | Hydraulic system casing                                  |
|                 | 3                       | 85-4607034                                 | 1           | Connecting pipe  |
|                 | 5                       | K1221-4607125                              | 1           | Pipe   |
|                 | 6                       | 680-4607140-03                             | 2           | High-pressure hose pipe Ø10 x1 reinforced                |
|                 | 7                       | 952-4607140-04                             | 1           | High-pressure hose pipe Ø16x2 reinforced                 |
|                 | 8                       | C80-4607380                                | 1           | Pipe   |
|                 | 10                      | 80-4607455                                 | 1           | Bolt   |
|                 | 12                      | M036.50Б.10                                | 5           | Left casing  |
|                 | 13                      | П100-4607140-01                            | 2           | High-pressure hose pipe Ø10x1 reinforced                 |
|                 | 15                      | XC-21                                      | 2           | Clamp  |
|                 | 16                      | XC-31                                      | 2           | Clamp  |
|                 | 18                      | K1221-4607011                              | 1           | Hose   |
|                 | 20                      | П80-4607012                                | 1           | Hose   |
|                 | 21                      | П80-4607013                                | 3           | Clamp  |
|                 | 22                      | П80-4607013-01                             | 1           | Clamp  |
|                 | 24                      | M80-4607014                                | 2           | Bracket  |
|                 | 26                      | П80-4607016                                | 1           | Connecting pipe  |
|                 | 27                      | M80-4607017                                | 2           | Bracket  |
|                 | 28                      | M80-4607018                                | 2           | Bracket  |
|                 | 29                      | E1021-4607044                              | 1           | Bush   |
|                 | 30                      | 85-4607431                                 | 1           | Bracket  |
|                 | 31                      | 70-4607156                                 | 2           | Slat   |
|                 | 37                      | 40-4607029-A                               | 5           | Slat   |
|                 | 38                      | 40-4607038-A-01 or<br>PM 1/2               | 2           | Washer   |
|                 | 40                      | 1321-3407022                               | 1           | Bracket  |
|                 | 42                      | 70-3407163-01                              | 1           | Cramp  |
|                 | 43                      | 70-3506027                                 | 1           | Bush   |
|                 | 47                      | M8-6gx40.88.35.019 ГОСТ 7795-70            | 2           | Bolt   |
|                 | 48                      | M8-6gx45.88.35.019 ГОСТ 7795-70            | 2           | Bolt   |
|                 | 50                      | M8-6gx25.88.35.019 ГОСТ 7796-70            | 1           | Bolt   |
|                 | 51                      | M8-6gx35.88.35.019 ГОСТ 7796-70            | 2           | Bolt   |
|                 | 53                      | M10-6gx25.88.35.019 ГОСТ 7796-70           | 5           | Bolt   |
|                 | 54                      | M10-6gx30.88.35.019 ГОСТ 7796-70           | 1           | Bolt   |
|                 | 55                      | M12-6gx30.88.35.019 ГОСТ 7795-70           | 1           | Bolt   |
|                 | 58                      | M8-6H.6.019 ГОСТ 5915-70                   | 5           | Nut  |
|                 | 59                      | M10-6H.6.019 ГОСТ 5915-70                  | 6           | Nut  |
|                 | 61                      | 021-024-19-2-2 ГОСТ 18829-73/9833-73       | 1           | Ring   |
|                 | 62                      | 027-032-30-1-4 ГОСТ 18829-73/9833-73       | 1           | Ring   |
|                 | 64                      | C 10.01.019 ГОСТ 11371-78                  | 1           | Washer   |
| 66              | 8T OCT 37.001.115-75    | 7  | Washer      |  |
| 67              | 10 OT OCT 37.001.115-75 | 6  | Washer      |  |
| 68              | 12 OT OCT 37.001.115-75 | 1  | Washer      |  |
|                 |                         | M036.50Б.20                                | 6           | Right casing (to be delivered complete with the tractor) |

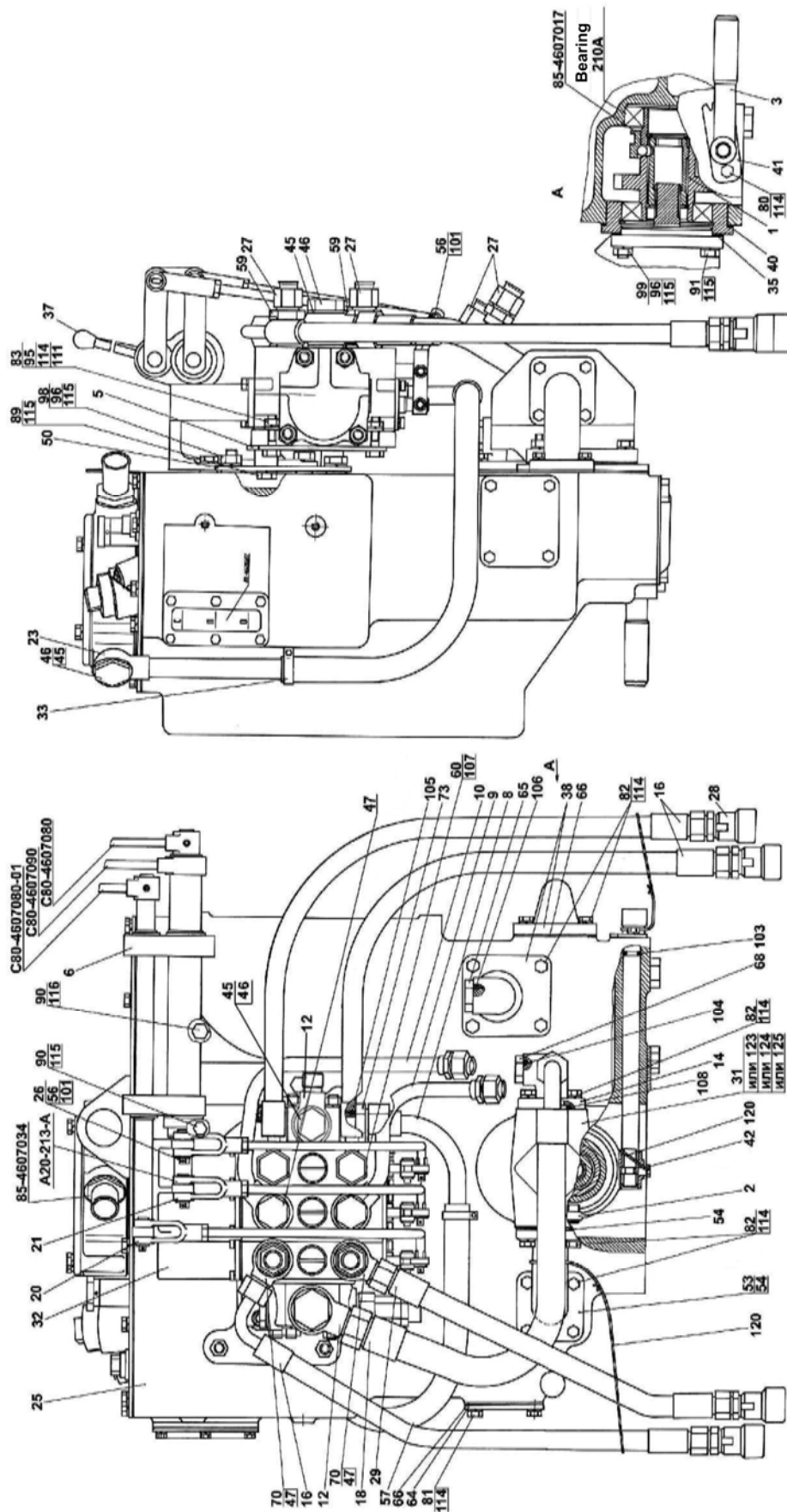


Fig.46.9. Hydraulic system casing P1221-4600010

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic units and fittings**

| Fig. No. | Pos. No.                        | Number of the assembly unit or part | Q-ty                     | Description  |
|----------|---------------------------------|-------------------------------------|--------------------------|--|
| 46.9     |                                 | P1221-4600015-02                    | 1                        | Hydraulic system casing  |
|          | 1                               | 80-4604010                          | 1                        | Pump drive   |
|          | 2                               | 85-4604030                          | 1                        | Fork   |
|          | 3                               | 85-4604040                          | 1                        | Switch-off handle  |
|          | 5                               | P1221-4607030                       | 1                        | Bracket  |
|          | 6                               | 80-4607040-04                       | 1                        | Bracket  |
|          | 8                               | P1221-4607050                       | 1                        | Pipe   |
|          | 9                               | 85-4607060-Б                        | 1                        | Pipe   |
|          | 10                              | 85-4607080-Б                        | 1                        | Pipe   |
|          | 12                              | 952-4607080                         | 2                        | Connecting pipe  |
|          | 14                              | Д80-4607100                         | 1                        | Branch pipe  |
|          | 16                              | 680-4607140-04                      | 1                        | High-pressure hose pipe Ø10x1 reinforced                               |
|          | 18                              | 952-4607140                         | 1                        | High-pressure hose pipe Ø16x2 reinforced                               |
|          | 20                              | P1221-4607260                       | 1                        | Rod  |
|          | 21                              | P1221-4607260-01                    | 2                        | Rod  |
|          | 23                              | 80B-4607375                         | 1                        | Pipe   |
|          | 25                              | 85-4608010                          | 1                        | Hydraulic system casing  |
|          | 26                              | A61-030-A1                          | 3                        | Pin  |
|          | 27                              | H.036.12.010                        | 4                        | Choke  |
|          | 28                              | M036.50Б.10                         | 4                        | Left casing  |
|          | 29                              | ПН.036.83.040                       | 3                        | High-pressure hose pipe Ø10x1 reinforced                               |
|          | 31                              | НШ32М-3                             | 1                        | Gear pump (additionally substituted for pos.123 or pos.124 or pos.125) |
|          | 32                              | РП70-1221                           | 1                        | Distributor  |
|          | 33                              | XC-26                               | 2                        | Clamp  |
|          | 35                              | 36-1022054-A                        | 1                        | Gasket   |
|          | 37                              | 70-3401093                          | 3                        | Lever tip  |
|          | 38                              | 85-3407101                          | 2                        | Branch pipe  |
|          | 40                              | 70-4604037                          | 1                        | Gasket   |
|          | 41                              | 50-4604044                          | 1                        | Plate  |
|          | 42                              | 50-4604046                          | 1                        | Fork bolt  |
|          | 45                              | 40-4607033-A-01 or<br>PM 24         | 6                        | Washer   |
|          | 46                              | 40-4607037                          | 3                        | Bolt   |
|          | 47                              | 40-4607038-A-01 or<br>PM 1/2        | 12                       | Washer   |
|          | 50                              | 50-4607032-Б                        | 1                        | Bracket  |
|          | 53                              | 50-4607096-A                        | 1                        | Branch pipe  |
|          | 54                              | 50-4607097                          | 4                        | Gasket   |
|          | 55                              | 50-4607099                          | 1                        | Cover  |
|          | 56                              | 70-4607144                          | 6                        | Washer   |
|          | 57                              | M80-4607011                         | 1                        | Hose   |
|          | 59                              | 952-4607061                         | 2                        | Connecting pipe  |
|          | 64                              | 70-4608019                          | 1                        | Cover  |
|          | 65                              | 85-4608021                          | 2                        | Plug   |
|          | 66                              | 70-4608033                          | 3                        | Gasket   |
| 68       | 50-4608027-Б                    | 1                                   | Plug                     |  |
| 70       | 530-4614029                     | 4                                   | Angle piece              |  |
| 73       | H.036.04.011                    | 1                                   | Screw-in connecting pipe |  |
| 80       | M8-6gx16.88.35.019 ГОСТ 7796-70 | 2                                   | Bolt                     |  |
| 81       | M8-6gx20.88.35.019 ГОСТ 7796-70 | 4                                   | Bolt                     |  |
| 82       | M8-6gx25.88.35.019 ГОСТ 7796-70 | 20                                  | Bolt                     |  |
| 83       | M8-6gx30.88.35.019 ГОСТ 7796-70 | 4                                   | Bolt                     |  |

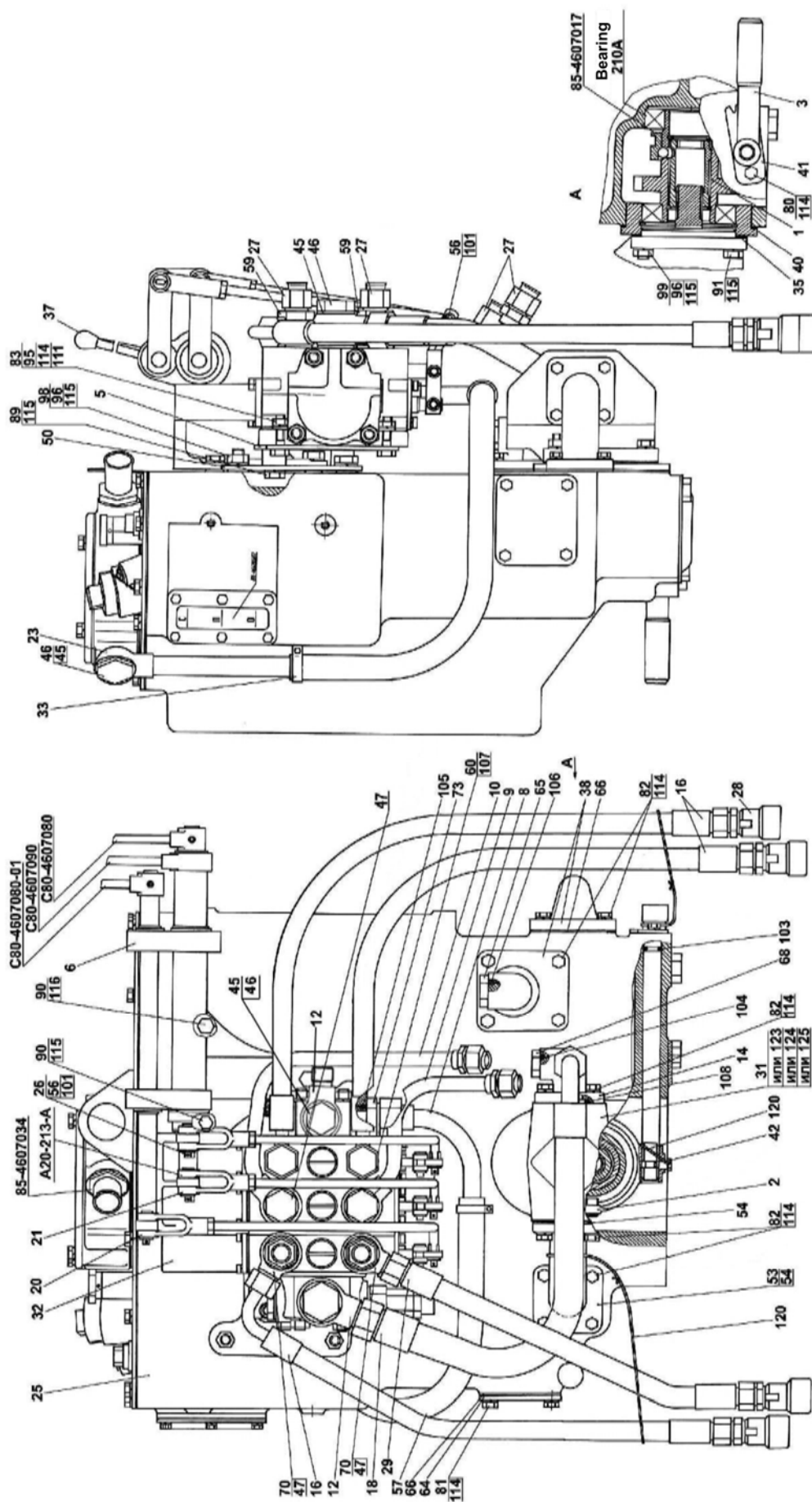


Fig.46.9. Hydraulic system casing P1221-460010

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic units and fittings**

| Fig. No. | Pos. No.  | Number of the assembly unit or part  | Q-ty   | Description   |
|----------|-----------|--------------------------------------|--|---|
| 46.9     | 89        | M10-6gx20.88.35.019 ГОСТ 7796-70     | 4  | Bolt  |
|          | 90        | M10-6gx30.88.35.019 ГОСТ 7796-70     | 1  | Bolt  |
|          | 91        | M10-6gx40.88.35.019 ГОСТ 7796-70     | 2  | Bolt  |
|          | 93        | M12-6gx35.88.35.019 ГОСТ 7796-70     | 2  | Bolt  |
|          | 95        | M8-6H.6.019 ГОСТ 5915-70             | 4  | Nut   |
|          | 96        | M10-6H.6.019 ГОСТ 5915-70            | 5  | Nut   |
|          | 98        | M10 3p/6gx20.66.019 ГОСТ 22034-76    | 3  | Pin   |
|          | 99        | M10 3p/6gx35.66.019 ГОСТ 22034-76    | 2  | Pin   |
|          | 101       | 3,2x18.019 ГОСТ 397-79               | 6  | Cotter pin  |
|          | 103       | 013-017-25-1-4 ГОСТ 18829-73/9833-73 | 1  | Ring  |
|          | 104       | 017-022-30-1-4 ГОСТ 18829-73/9833-73 | 1  | Ring  |
|          | 105       | 021-024-19-2-2 ГОСТ 18829-73/9833-73 | 1  | Ring  |
|          | 106       | 021-025-25-1-4 ГОСТ 18829-73/9833-73 | 2  | Ring  |
|          | 108       | 035-040-30-1-4 ГОСТ 18829-73/9833-73 | 1  | Ring  |
|          | 111       | C 8.01.019 ГОСТ 11371-78             | 4  | Washer  |
|          | 114       | 8T OCT 37.001.115-75                 | 30   | Washer  |
|          | 115       | 10 OT OCT 37.001.115-75              | 12   | Washer  |
|          | 116       | 12 OT OCT 37.001.115-75              | 2  | Washer  |
|          | 120       | 1,0-O-C ГОСТ 3282-74                 | 3  | Wire (250 mm)   |
|          | 123       | НШ32МА-3                             | 1  | Gear pump (additionally substituted for pos.31 or pos.124 or pos.125) |
| 124      | НШ32Д-3   | 1                                    | Gear pump (additionally substituted for pos. 31 or pos.123 or pos.125) |   |
| 125      | НШ32УКФ-3 | 1                                    | Gear pump (additionally substituted for pos.31 or pos.123 or pos.124)  |   |

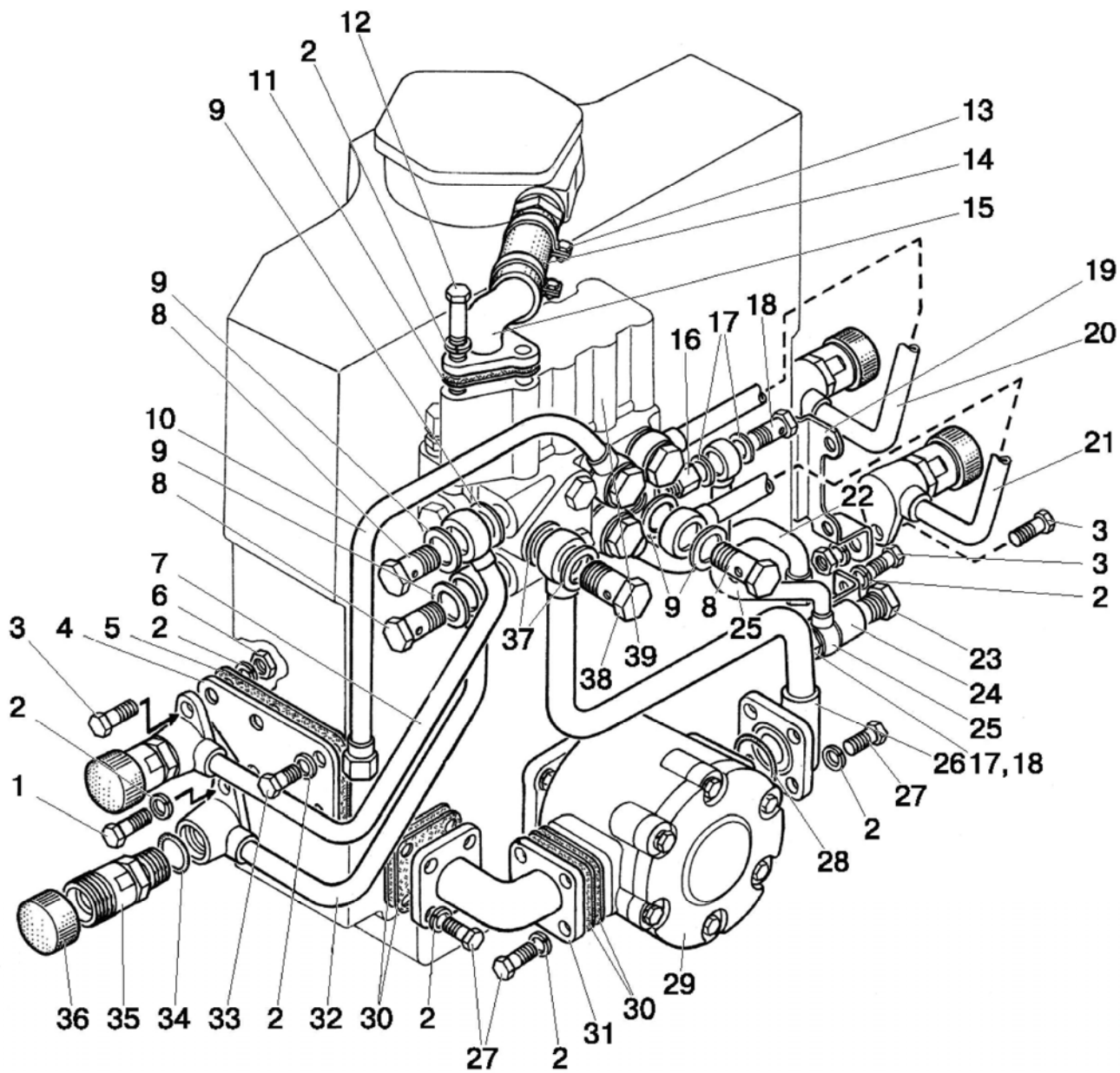


Fig.46.10. Hydraulic system 80-4600010-B



**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic units and fittings**

| Fig. No. | Pos. No.        | Designation  | Q-ty        | Description                                 |
|----------|-----------------|--|-------------|---|
| 46.10    | 1               | M8-6gx35.88.35.019 ГОСТ 7796-70  | 1           | Bolt  |
|          | 2               | 8T OCT 37.001.115-75   | 23          | Washer                                      |
|          | 3               | M8-6gx30.88.35.019 ГОСТ 7796-70  | 5           | Bolt  |
|          | 4               | 80-4608019-01  | 1           | Cover                                       |
|          | 5               | 70-4608033-01  | 1           | Gasket                                      |
|          | 6               | M8-6H.6.019 ГОСТ 5915-70   | 3           | Nut   |
|          | 7               | 80X-4607120  | 1           | Pipe  |
|          | 8               | 40-4607032   | 6           | Bolt  |
|          | 9               | 40-4607038-A-01 or<br>PM 1/2   | 12          | Washer                                      |
|          | 10              | 80-4607165   | 1           | Pipe  |
|          | 11              | 40-4607018-01  | 1           | Gasket                                      |
|          | 12              | M8x110   | 3           | Bolt  |
|          | 13              | XC-31 or<br>"NORMA" TORRO 25-40/9-C6W                                    | 2           | Clamp                                       |
|          | 14              | 85-4607063   | 1           | Draining hose                               |
|          | 15              | 85-4607425   | 1           | Angle piece with a connecting pipe          |
|          | 16              | 80-4607142   | 1           | Connecting pipe                             |
|          | 17              | Д18-055А-01 or<br>PM 14  | 4           | Seal ring<br>Washer                         |
|          | 18              | Д18-051  | 2           | Bolt  |
|          | 19              | 80-4607119   | 1           | Bracket                                     |
|          | 20              | 80-1607110   | 1           | Pipe  |
|          | 21              | 80-4607115-Б   | 1           | Pipe  |
|          | 22              | 80-4607175   | 1           | Pipe  |
|          | 23              | 1221-1802091   | 1           | Plug (auxiliary)                            |
|          | 24              | 80-4607320-Б   | 1           | Bracket                                     |
|          | 25              | 80-4607310-А   | 1           | Pipe  |
|          | 26              | 80-4607075А  | 1           | Pipe (for the pump НШ32А-3)                 |
|          |                 | 80-4607075Б  | 1           | Pipe (for the pump НШ32М-3, etc.)           |
|          | 27              | M8-6gx25.88.35.019 ГОСТ 7796-70  | 17          | Bolt  |
|          | 28              | 035-040-30-1-4 ГОСТ 18829-73/9833-73                                     | 1           | Ring  |
|          | 29              | НШ32А-3 or НШ32М-3 or НШ32МА-3<br>or НШ32Д-3 or НШ32УВ-3 or<br>НШ32УКФ-3 | 1           | Pump  |
|          | 30              | 50-4607097-01  | 4           | Gasket                                      |
|          | 31              | 70-4607096-А   | 1           | Branch pipe (for the pump НШ32А-3)          |
|          |                 | 50-4607096-А   | 1           | Branch pipe (for the pump НШ32М-3,<br>etc.) |
|          | 32              | 80X-4607130  | 1           | Pipe  |
|          | 33              | M8-6gx20.88.35.019 ГОСТ 7796-70  | 2           | Bolt  |
|          | 34              | 017-022-30-1-4 ГОСТ 18829-73/9833-73                                     | 4           | Ring  |
|          | 35              | 3057-4616330-А   | 4           | Locking device valve (Ø12), left            |
|          | 36              | 50-4607039-А   | 4           | Cap   |
|          | 37              | 40-4607033-А-01 or<br>PM 24  | 2           | Washer                                      |
| 38       | 40-4607037      | 1  | Bolt        |   |
| 39       | P80-3/4-222-3Гr | 1  | Distributor |   |

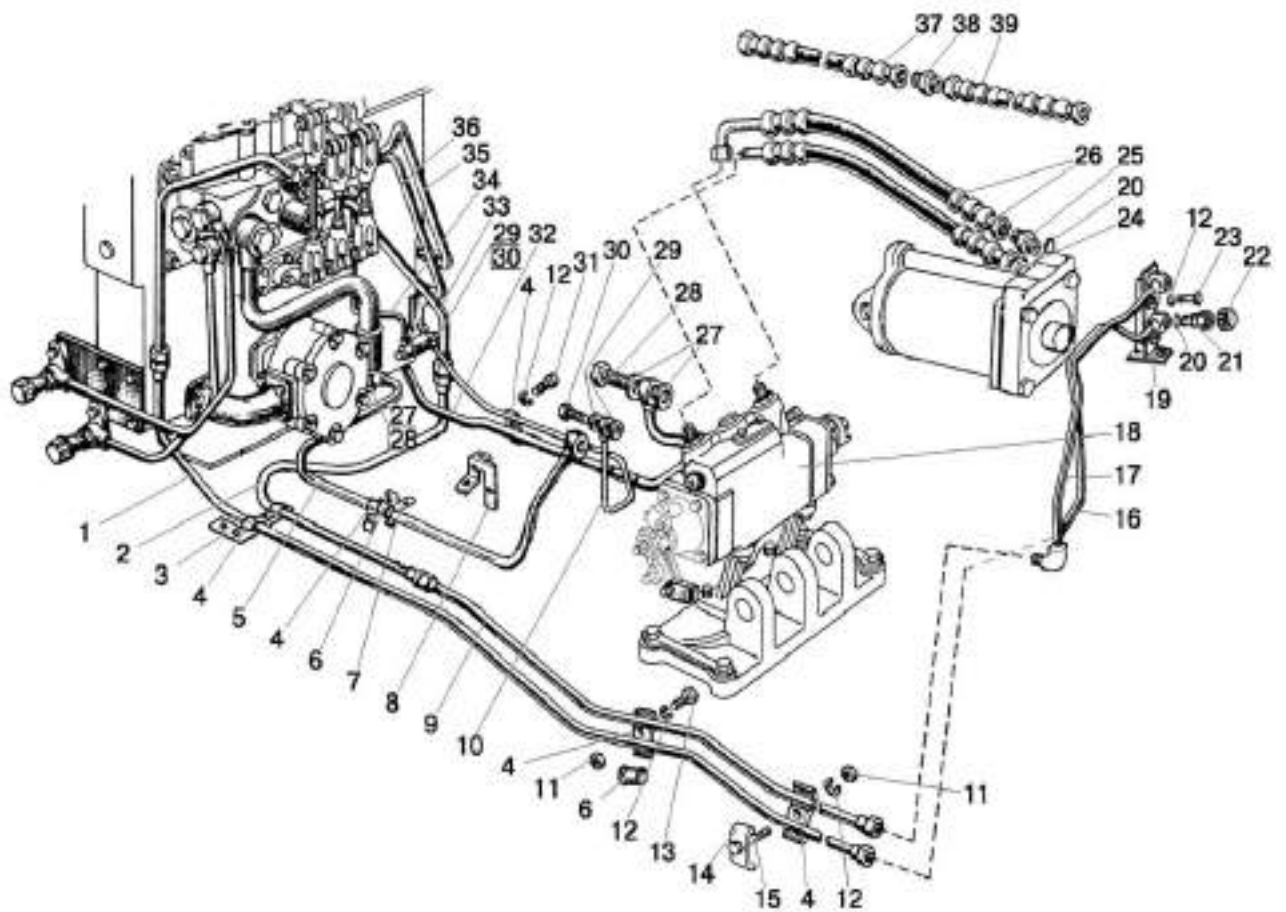


Fig.46.11. Hydraulic units and fittings (with power governor).

**Group 46. Hydraulic system**  
**Subgroup 4607. Hydraulic units and fittings.**  
 (with power governor)

| Fig. No. | Pos. No.      | Designation                          | Q-ty                       | Description                        |
|----------|---------------|--------------------------------------|----------------------------|------------------------------------|
| 46.11    |               | 40-4607065-A                         | 2                          | Hitch hose (37-39)                 |
|          | 1             | H80-4607160                          | 1                          | Oil pipeline                       |
|          | 2             | H80-4607170                          | 1                          | Oil pipeline                       |
|          | 3             | H80-4607206                          | 1                          | Bracket                            |
|          | 4             | 70-3407146                           | 4                          | Slat                               |
|          | 5             | 80-4607180                           | 1                          | Pipe (with the pump HШ32A-3)       |
|          |               | 80-4607180-Б                         | 1                          | Pipe (with the pump HШ32M-3, etc.) |
|          | 6             | 70-3506027                           | 9                          | Bush                               |
|          | 7             | 80-4607169                           | 1                          | Bracket                            |
|          | 8             | 70-4607270-A                         | 1                          | Bracket                            |
|          | 9             | H80-4607150                          | 1                          | Oil pipeline                       |
|          | 10            | 80-4607200                           | 1                          | Pipe                               |
|          | 11            | M8-6H.6.019 ГОСТ 5915-70             | 2                          | Nut                                |
|          | 12            | 8T OCT 37.001.115-75                 | 10                         | Washer                             |
|          | 13            | M8-6gx40.88.35.019 ГОСТ 7795-70      | 2                          | Bolt                               |
|          | 14            | 70-4607156                           | 1                          | Slat                               |
|          | 15            | M8-6gx45.88.35.019 ГОСТ 7795-70      | 2                          | Bolt                               |
|          | 16            | 70-4607400-Б                         | 1                          | Pipe                               |
|          | 17            | 70-4607395-Б                         | 1                          | Pipe                               |
|          | 18            | 80-4614020                           | 1                          | Governor                           |
|          | 19            | 85-4607440                           | 1                          | Bracket                            |
|          | 20            | 017-022-30-1-4 ГОСТ 18829-73/9833-73 | 10                         | Ring                               |
|          | 21            | 3057-4616330-A                       | 2                          | Locking device valve               |
|          | 22            | 50-4607039-A                         | 2                          | Cap                                |
|          | 23            | M8-6gx20.88.35.019 ГОСТ 7796-70      | 2                          | Bolt                               |
|          | 24            | 70-1405089                           | 3                          | Connecting pipe                    |
|          | 25            | H.036.65-000-06-A2                   | 1                          | Valve                              |
|          | 26            | 680-4607140-05                       | 2                          | Hose pipe (to be used with Л100)   |
|          |               | 680-4607140-12                       | 2                          | Hose pipe (to be used with Л110)   |
|          | 27            | 40-4607038-A or<br>PM 1/2            | 12                         | Washer                             |
|          | 28            | 40-4607032                           | 6                          | Bolt                               |
|          | 29            | Д18-055A-01 or<br>PM 14              | 4                          | Ring<br>Washer                     |
|          | 30            | Д18-051-01                           | 2                          | Bolt                               |
|          | 31            | M8-6gx35.88.35.019 ГОСТ 7796-70      | 2                          | Bolt                               |
|          | 32            | 80-4607190-Б                         | 1                          | Pipe                               |
|          | 33            | 80-4607175                           | 1                          | Pipe                               |
|          | 34            | 80-4607310-A                         | 1                          | Pipe                               |
|          | 35            | 80-4607110                           | 1                          | Pipe                               |
|          | 36            | 80-4607115-Б                         | 1                          | Pipe                               |
| 37       | H.036.83.090  | 2                                    | Hose pipe (optional)       |                                    |
| 38       | H. 036.02.002 | 2                                    | Connecting pipe (optional) |                                    |
| 39       | H.036.83.110  | 2                                    | Hose pipe (optional)       |                                    |

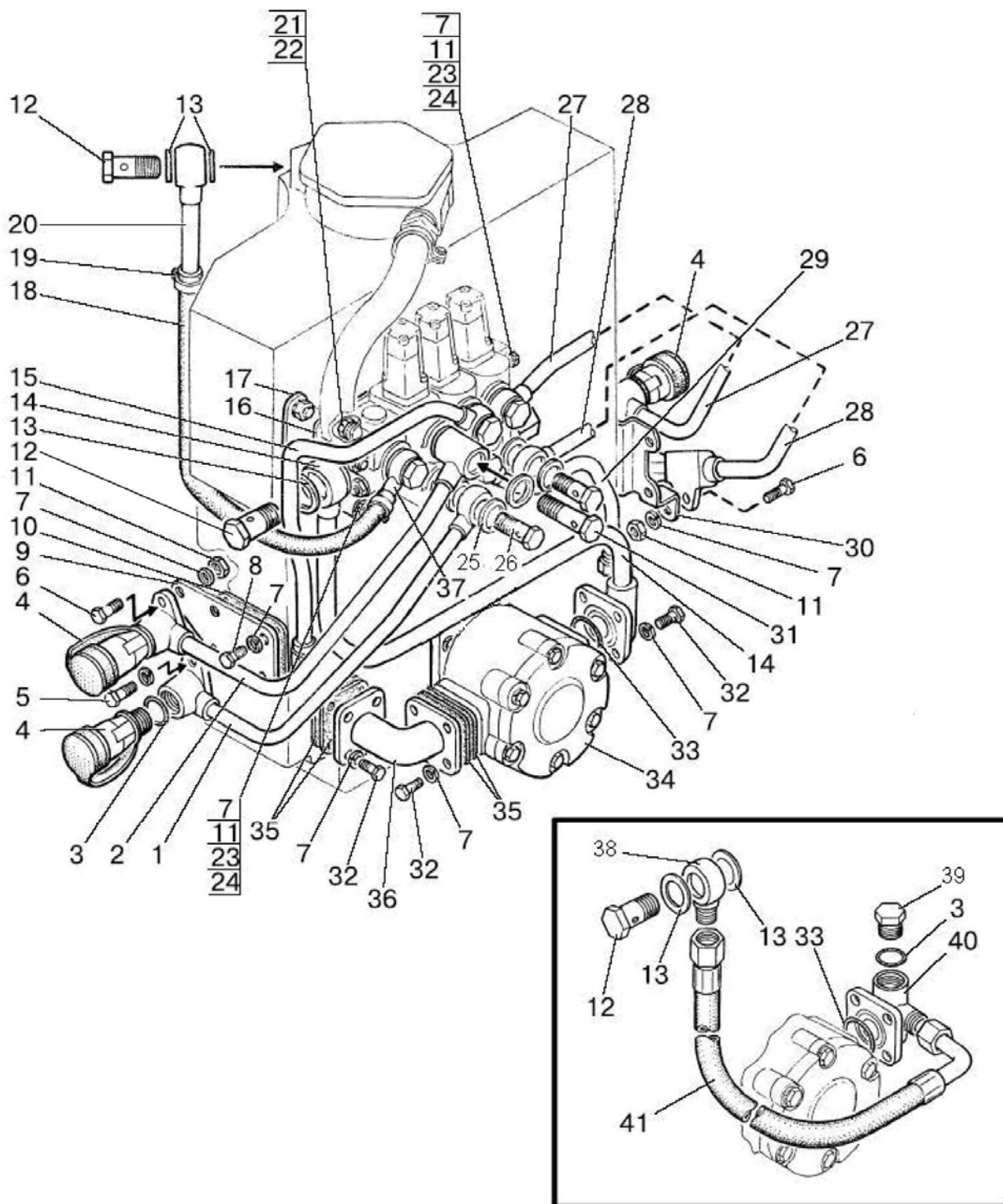


Fig.46.12. Hydraulic units and fittings (with hydraulic lift and distributor RS 213 MITA)

**Group 46. Hydraulic system**  
**Subgroup 4607. Hydraulic units and fittings**  
 (with hydraulic lift and distributor RS 213 MITA)

| Fig. No. | Pos. No. | Designation  | Q-ty | Description                              |
|----------|----------|--|------|--|
| 46.12    | 1        | C80-4607130  | 1    | Pipe                                     |
|          | 2        | C80-4607120  | 1    | Pipe                                     |
|          | 3        | 017-022-30-1-4 ГОСТ 18829-73/9833-73                                     | 5    | Ring                                     |
|          | 4        | M036.506.10  | 4    | Left casing                              |
|          | 5        | M8-6gx35.88.35.019 ГОСТ 7796-70  | 1    | Bolt                                     |
|          | 6        | M8-6gx30.88.35.019 ГОСТ 7796-70  | 3    | Bolt                                     |
|          | 7        | 8T OCT 37.001.115-75   | 32   | Washer                                   |
|          | 8        | M8-6gx20.88.35.019 ГОСТ 7796-70  | 3    | Bolt                                     |
|          | 9        | 80-4608019-01  | 1    | Cover                                    |
|          | 10       | 70-4608033-01  | 1    | Gasket                                   |
|          | 11       | M8-6H.6.019 ГОСТ 5915-70   | 7    | Nut                                      |
|          | 12       | 40-4607037   | 2    | Bolt                                     |
|          | 13       | 40-4607033-A-01 or PM 24   | 4    | Washer                                   |
|          | 14       | C80-4607075-B or C80-4607075-Г   | 1    | Pipe (for HШ32A-3)<br>Pipe (for HШ32M-3) |
|          | 15       | C80-4607165  | 1    | Pipe                                     |
|          | 16       | C80-4607030  | 1    | Bracket                                  |
|          | 17       | 50-4607032-B   | 1    | Bracket                                  |
|          | 18       | C80-4607063  | 1    | Hose                                     |
|          | 19       | XC-21 or "NORMA" TORRO 16-25/9-C6W                                       | 2    | Clamp                                    |
|          | 20       | C80-4607375  | 1    | Pipe                                     |
|          | 21       | M10-6gx20.88.35.019 ГОСТ 7796-70   | 4    | Bolt                                     |
|          | 22       | 10 OT OCT 37.001.115-75  | 12   | Washer                                   |
|          | 23       | M8-6gx65.88.35.019 ГОСТ 7796-70  | 4    | Bolt                                     |
|          | 24       | C 8.01.019 ГОСТ 11371-78   | 4    | Washer                                   |
|          | 25       | 40-4607038A-01 or PM 1/2   | 14   | Washer                                   |
|          | 26       | 40-4607032   | 6    | Bolt                                     |
|          | 27       | C80-4607110  | 1    | Pipe                                     |
|          | 28       | 1021-4607115   | 1    | Pipe                                     |
|          | 29       | C80-4607175  | 1    | Pipe                                     |
|          | 30       | 80B-1108570  | 1    | Bracket                                  |
|          | 31       | 50-4607031   | 1    | Bolt                                     |
|          | 32       | M8-6gx25.88.35.019 ГОСТ 7796-70  | 20   | Bolt                                     |
|          | 33       | 035-040-30-1-4 ГОСТ 18829-73/9833-73                                     | 1    | Ring                                     |
|          | 34       | HШ 32A-3 or HШ 32M-3 or HШ 32MA-3 or HШ 32УКФ-3 or HШ 32Д-3 or HШ 32УВ-3 | 1    | Gear pump                                |
|          | 35       | 50-4607097-01  | 4    | Gasket                                   |
|          | 36       | 70-4607096-A (for HШ 32A-3 only) or 50-4607096-A                         | 1    | Branch pipe                              |
|          | 37       | C80-4607380  | 1    | Pipe                                     |
|          | 38       | 952-4607080*   | 1    | Connecting pipe                          |
|          | 39       | 50-4608027-B*  | 1    | Plug                                     |
|          | 40       | Д80-4607100*   | 1    | Branch pipe                              |
|          | 41       | 952-4607140*   | 1    | High-pressure hose pipe                  |

\* Variant

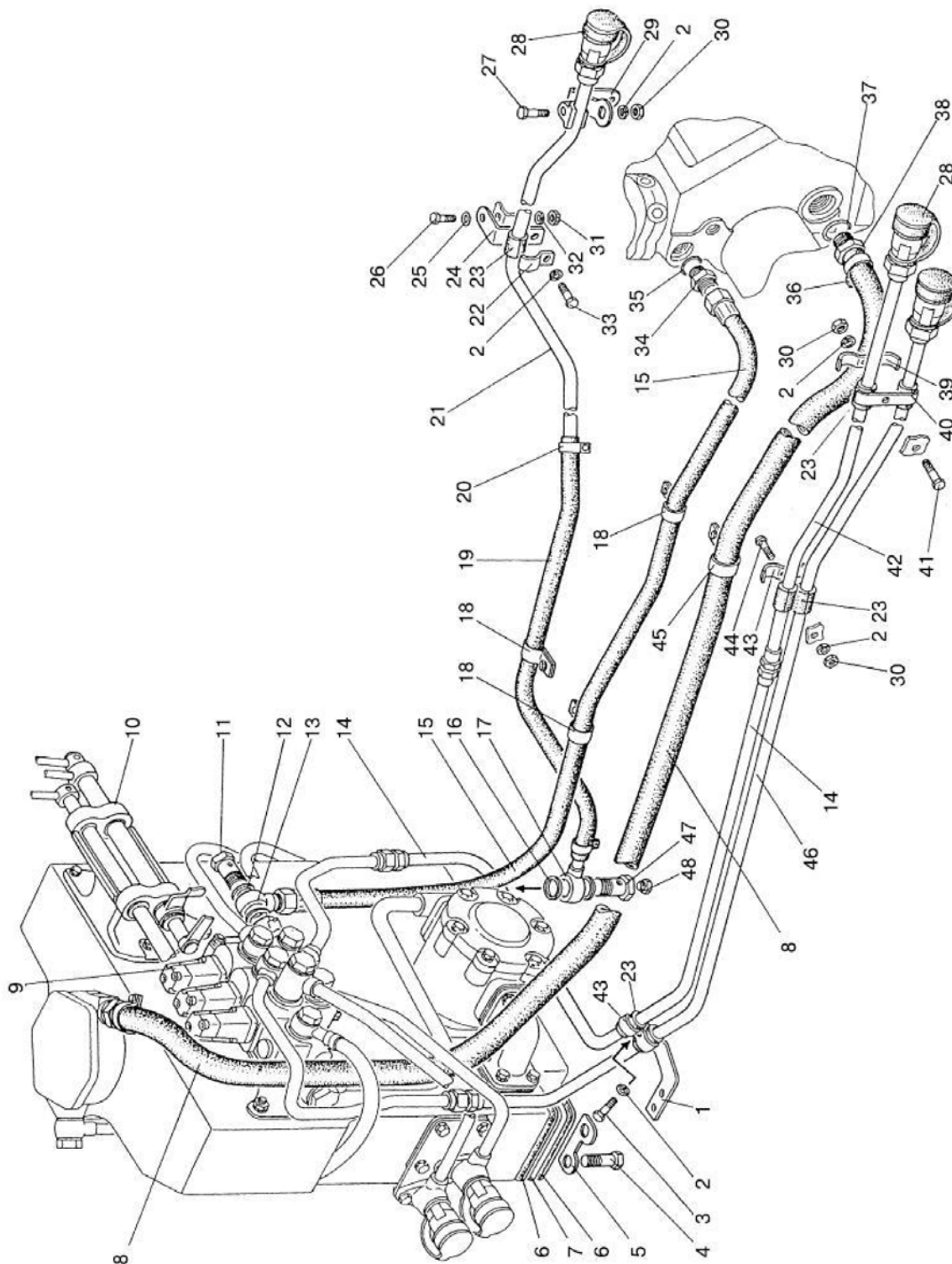


Fig.46.13. Hydraulic units and fittings (if the tractor is equipped with a hydraulic host)

**Group 46. Hydraulic system**  
**Subgroup 4607. Hydraulic units and fittings**  
 (if the tractor is equipped with a hydraulic host)

| Fig. No. | Pos. No. | Designation                          | Q-ty | Description                   |
|----------|----------|--------------------------------------|------|-------------------------------|
| 46.13    | 1        | H80-4607206                          | 1    | Bracket                       |
|          | 2        | 8T OCT 37.001.115-75                 | 7    | Washer                        |
|          | 3        | M8-6gx30.88.35.019 ГОСТ 7796-70      | 1    | Bolt                          |
|          | 4        | M14x1,5-6gx45.88.35.019 ГОСТ 7796-70 | 4    | Bolt                          |
|          | 5        | 70-4607168                           | 2    | Plate                         |
|          | 6        | 50-4608049-01                        | 2    | Gasket                        |
|          | 7        | 70-4608072                           | 1    | Plate                         |
|          | 8        | П80-4607012                          | 1    | Hose                          |
|          | 9        | RS 213 MITA                          | 1    | Hydraulic distributor         |
|          | 10       | 80-4607040-04                        | 1    | Hydraulic distributor control |
|          | 11       | 40-4607037                           | 1    | Bolt                          |
|          | 12       | 40-4607033-A-01 or PM 24             | 2    | Washer                        |
|          | 13       | 952-4607080                          | 1    | Connecting pipe               |
|          | 14       | H80-4607170                          | 1    | Oil pipeline                  |
|          | 15       | П80-4607120                          | 1    | Hose pipe                     |
|          | 16       | 40-4607038-A-01 or PM 1/2            | 2    | Washer                        |
|          | 17       | C80-4607380                          | 1    | Pipe                          |
|          | 18       | П80-4607013                          | 3    | Clamp                         |
|          | 19       | K1221-4607011                        | 1    | Hose                          |
|          | 20       | XC-21 or "NORMA" TORRO 16-25/9-C6W   | 2    | Clamp                         |
|          | 21       | K1221-4607125                        | 1    | Pipe                          |
|          | 22       | 70-3407163-01                        | 1    | Cramp                         |
|          | 23       | 70-3506027                           | 7    | Bush                          |
|          | 24       | 1321-3407022                         | 1    | Bracket                       |
|          | 25       | C 10.01.019 ГОСТ 11371-78            | 1    | Washer                        |
|          | 26       | M10-6gx30.88.35.019 ГОСТ 7796-70     | 1    | Bolt                          |
|          | 27       | M8-6gx35.88.35.019 ГОСТ 7796-70      | 1    | Bolt                          |
|          | 28       | M036.50Б.10                          | 3    | Left casing                   |
|          | 29       | 85-4607431                           | 1    | Bracket                       |
|          | 30       | M8-6H.6.019 ГОСТ 5915-70             | 3    | Nut                           |
|          | 31       | M10-6H.6.019 ГОСТ 5915-70            | 1    | Nut                           |
|          | 32       | 10 OT OCT 37.001.115-75              | 1    | Washer                        |
|          | 33       | M8-6gx25.88.35.019 ГОСТ 7796-70      | 1    | Bolt                          |
|          | 34       | П80-4607016                          | 1    | Connecting pipe               |
|          | 35       | 021-024-19-1-4 ГОСТ 18829-73/9833-73 | 1    | Ring                          |
|          | 36       | XC-31 or "NORMA" TORRO 25-40/9-C6W   | 2    | Clamp                         |
|          | 37       | 027-032-30-1-4 ГОСТ 18829-73/9833-73 | 1    | Ring                          |
|          | 38       | 85-4607034                           | 1    | Connecting pipe               |
|          | 39       | 40-4607029-A                         | 1    | Slat                          |
|          | 40       | 70-4607156                           | 1    | Slat                          |
|          | 41       | M8-6gx45.88.35.019 ГОСТ 7795-70      | 1    | Bolt                          |
|          | 42       | H80-4607150                          | 1    | Oil pipeline                  |
|          | 43       | 70-3407146                           | 2    | Slat                          |
|          | 44       | M8-6gx40.88.35.019 ГОСТ 7795-70      | 1    | Bolt                          |
|          | 45       | П80-4607013-01                       | 1    | Clamp                         |
|          | 46       | H80-4607160                          | 1    | Oil pipeline                  |
|          | 47       | 80-4607439                           | 1    | Bolt                          |
|          | 48       | КГ 1/4".A12.019                      | 1    | Plug                          |

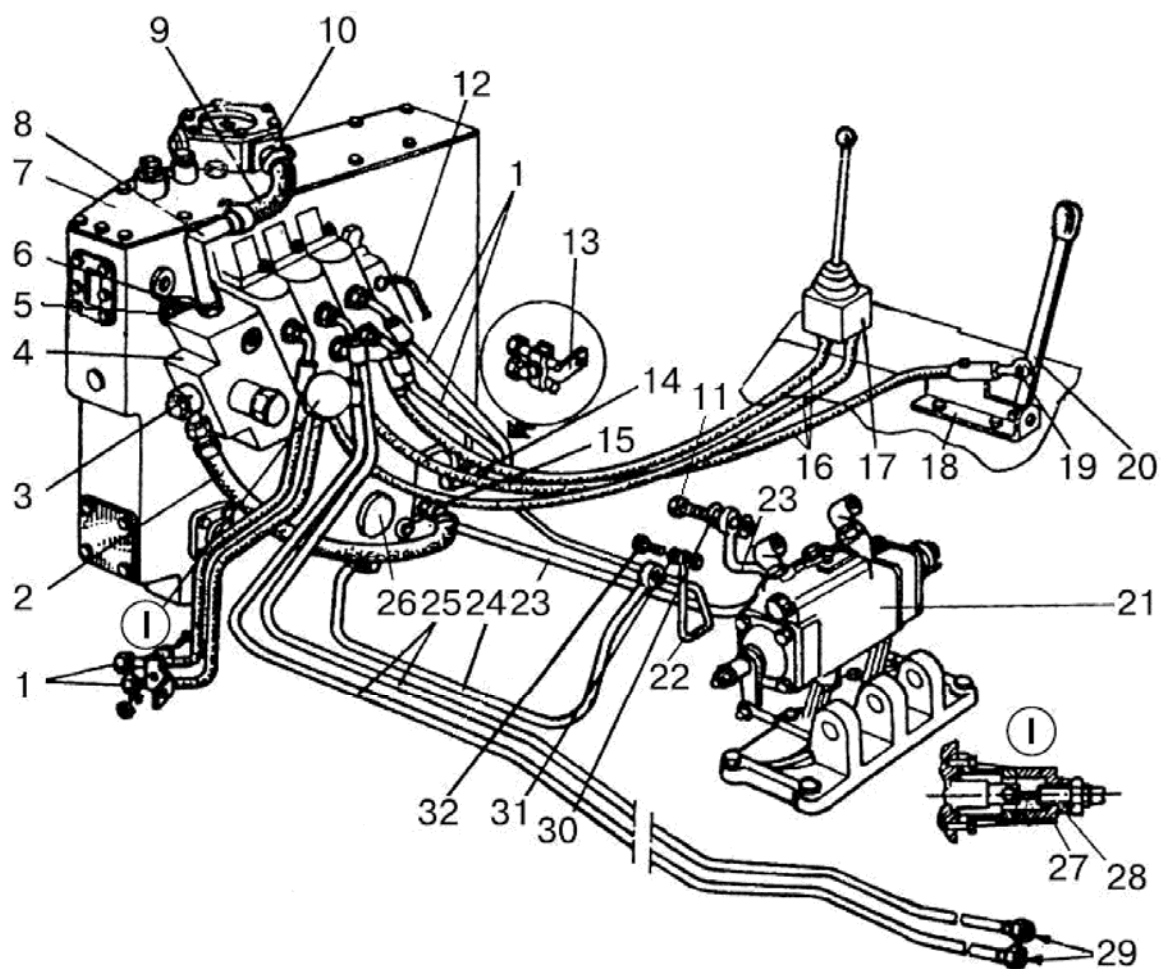


Fig.46.14. Hydraulic units and fittings of the hydraulic system with rope control of the distributor (Joystick type)



**Group 46. Hydraulic system**  
**Subgroup 4607. Hydraulic units and fittings**  
of the hydraulic system with rope control of the distributor (Joystick type)

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>          | <b>Q-ty</b> | <b>Description</b>      |
|-----------------|-----------------|-----------------------------|-------------|-------------------------|
| 46.14           | 1               | 680-4607140-04              | 4           | Hose pipe left          |
|                 | 2               | 952-4607140-01              | 1           | Hose pipe               |
|                 | 3               | 952-4607080                 | 1           | Connecting pipe         |
|                 | 4               | RS-213 "Belarus"            | 1           | Sectional distributor   |
|                 | 5               | 952-4607040                 | 1           | Bracket                 |
|                 | 6               | H.036.04.011                | 1           | Connecting pipe         |
|                 | 7               | 85-4608010                  | 1           | Hydraulic system casing |
|                 | 8               | C80-4607425                 | 1           | Branch pipe             |
|                 | 9               | 952-4607063                 | 1           | Hose                    |
|                 | 10              | 85-4607034                  | 1           | Connecting pipe         |
|                 | 11              | 40-4607032                  | 1           | Bolt                    |
|                 | 12              | 952-4607310                 | 1           | Pipe                    |
|                 | 13              | M80-4607017                 | 2           | Bracket                 |
|                 | 14              | 80-4607320-Б                | 1           | Bracket                 |
|                 | 15              | D80-4607100                 | 1           | Branch pipe             |
|                 | 16              | WL-1500 or<br>132-001       | 3           | Cable                   |
|                 | 17              | WK-20 or<br>ТАМС.303654.001 | 1           | Joystick                |
|                 | 18              | C90-4607120                 | 2           | Plate                   |
|                 | 19              | C90-4607026                 | 1           | Screw                   |
|                 | 20              | C90-4607130                 | 1           | Lever                   |
|                 | 21              | 80-4614020                  | 1           | Governor                |
|                 | 22              | 80-4607200                  | 1           | Pipe                    |
|                 | 23              | 80-4607190-Б                | 1           | Pipe                    |
|                 | 24              | 680-4607140-06              | 1           | Hose pipe               |
|                 | 25              | 680-4607140-03              | 2           | Hose pipe               |
|                 | 26              | 80-4604010                  | 1           | Pump drive              |
|                 | 27              |                             | 3           | Cage                    |
|                 | 28              |                             | 3           | Shell                   |
|                 | 29              | M036.50Б.010                | 6           | Left casing             |
|                 | 30              | 40-4607038-A or<br>PM 1/2   | 4           | Washer                  |
|                 | 31              | D18-055A or<br>PM 14        | 8           | Seal ring<br>Washer     |
|                 | 32              | D18-051                     | 4           | Bolt                    |

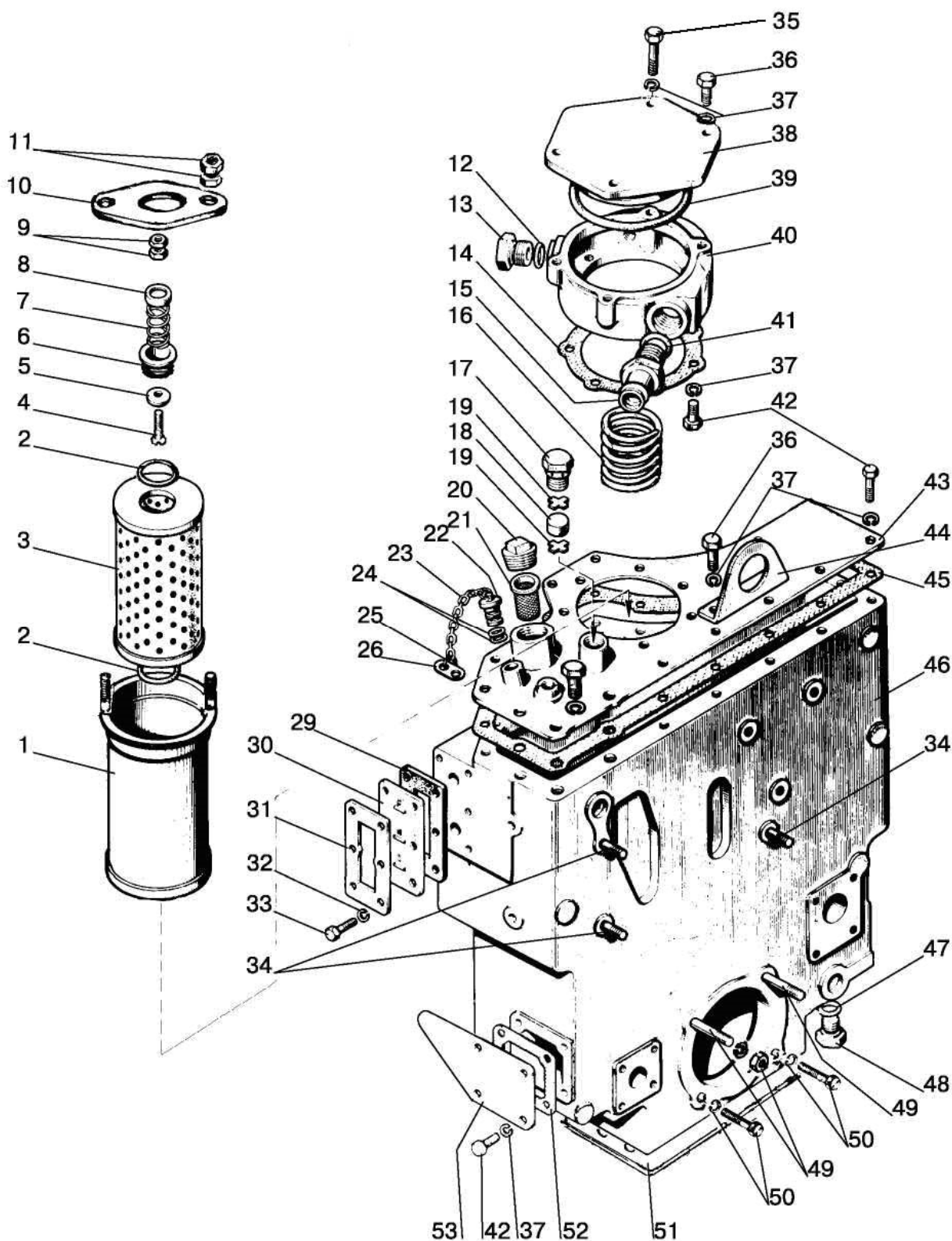


Fig.46.15. Hydraulic system casing and filter

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic system casing and filter**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                   | <b>Q-ty</b>             | <b>Description</b>                     |
|-----------------|-----------------|--------------------------------------|-------------------------|--|
| 46.15           |                 | 85-4608010                           | 1                       | Hydraulic system casing (1-49, 53, 54) |
|                 |                 | 85-4608090                           | 1                       | Valve (22-26)                          |
|                 |                 | A28.04.10.000                        | 1                       | Valve (4-9)                            |
|                 | 1               | A28.04.20.000-A1                     | 1                       | Casing                                 |
|                 | 2               | 042-050-46-2-4 ГОСТ 18829-73/9833-73 | 2                       | Ring                                   |
|                 | 3               | 4600.30                              | 1                       | Filtering element Regotmas 635-1       |
|                 | 4               | B.M6-6gx40.58.019 ГОСТ 17475-80      | 1                       | Screw                                  |
|                 | 5               | 8.20.004                             | 1                       | Valve                                  |
|                 | 6               | A28.04.10.001                        | 1                       | Valve body                             |
|                 | 7               | 8.20.002                             | 1                       | Spring                                 |
|                 | 8               | 8.20.005                             | 1                       | Washer                                 |
|                 | 9               | M6-6H.6.019 ГОСТ 5915-70             | 2                       | Nut                                    |
|                 | 10              | A28.04.00.001                        | 1                       | Restraint                              |
|                 | 11              | M6-6H.6.019 ГОСТ 5915-70             | 4                       | Nut                                    |
|                 | 12              | 021-025-25-1-4 ГОСТ 18829-73/9833-73 | 1                       | Ring                                   |
|                 | 13              | 85-4608021                           | 1                       | Plug                                   |
|                 | 14              | 85-4608089                           | 1                       | Gasket                                 |
|                 | 15              | 85-4607034                           | 1                       | Connecting pipe                        |
|                 | 16              | 85-4608057                           | 1                       | Spring                                 |
|                 | 17              | 50-4608059                           | 1                       | Breather plug                          |
|                 | 18              | 50-4608063                           | 1                       | Filter                                 |
|                 | 19              | 50-4608062                           | 2                       | Breather washer                        |
|                 | 20              | КГ 1 1/4"                            | 1                       | Plug                                   |
|                 | 21              | A61-C06-A3                           | 1                       | Filter                                 |
|                 | 22              | 85-4608091                           | 1                       | Valve                                  |
|                 | 23              | 50-1002450                           | 1                       | Chain                                  |
|                 | 24              | 011-015-25-2-4 ГОСТ 18829-73/9833-73 | 2                       | Ring                                   |
|                 | 25              | 36-1101067                           | 2                       | Ring                                   |
|                 | 26              | 50-3407069                           | 1                       | Locking pin                            |
|                 | 29              | 85-4608086-A                         | 1                       | Gasket                                 |
|                 | 30              | 85-4608087                           | 1                       | Indicator                              |
|                 | 31              | 85-4608088                           | 1                       | Plate                                  |
|                 | 32              | 6T OCT 37.001.115-75                 | 6                       | Washer                                 |
|                 | 33              | M6-6gx16.88.35.019 ГОСТ 7798-70      | 6                       | Bolt                                   |
|                 | 34              | M10 3p/6gx20.66.019 ГОСТ 2203 4-76   | 3                       | Pin                                    |
|                 | 35              | M8-6gx80.88.35.019 ГОСТ 7795-70      | 1                       | Bolt                                   |
|                 | 36              | M8-6gx25.88.35.019 ГОСТ 7796-70      | 5                       | Bolt                                   |
|                 | 37              | 8T OCT 37.001.115-75                 | 30                      | Washer                                 |
|                 | 38              | 85-4608022                           | 1                       | Cover                                  |
|                 | 39              | 130-135-30-1-4 ГОСТ 18829-73/9833-73 | 1                       | Ring                                   |
|                 | 40              | 85-4608018                           | 1                       | Cage                                   |
|                 | 41              | 027-032-30-1-4 ГОСТ 18829-73/9833-73 | 1                       | Ring                                   |
|                 | 42              | M8-6gx20.88.35.019 ГОСТ 7796-70      | 23                      | Bolt                                   |
|                 | 43              | 85-4608025                           | 1                       | Cover                                  |
|                 | 44              | 80-4608073                           | 1                       | Bracket                                |
|                 | 45              | 85-4608031-B                         | 1                       | Gasket                                 |
| 46              | 85-4608016-A    | 1                                    | Hydraulic system casing |  |

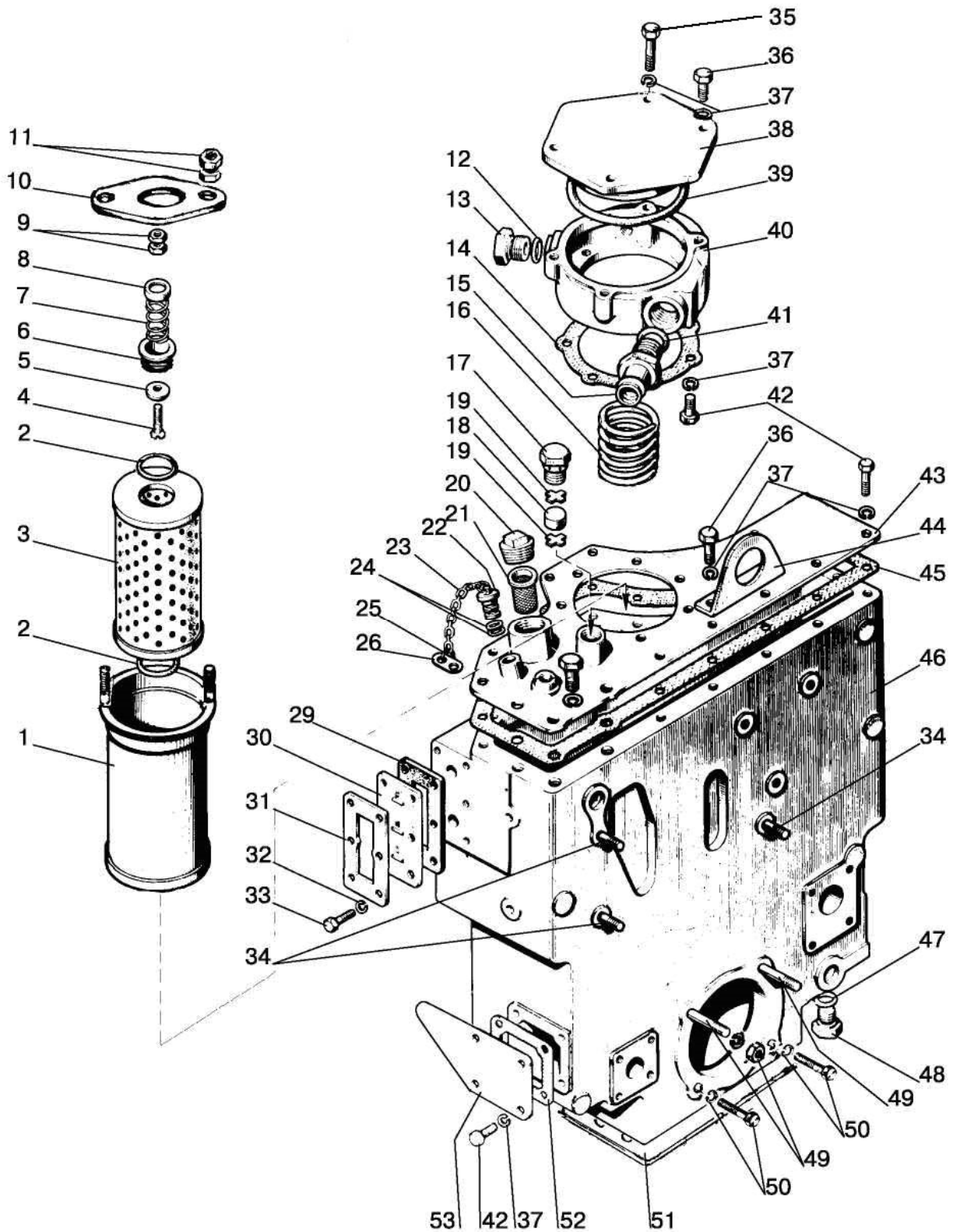


Fig.46.15. Hydraulic system casing and filter

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic system casing and filter**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                   | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--------------------------------------|-------------|--------------------|
| 46.15           | 47              | 017-022-30-1-4 ГОСТ 18829-73/9833-73 | 1           | Ring               |
|                 | 48              | 50-4608027-B                         | 1           | Plug               |
|                 | 49              | M10 3p/6gx35.66.019 ГОСТ 22034-76    | 2           | Pin                |
|                 |                 | M10-6H.6.019 ГОСТ 5915-70            | 2           | Nut                |
|                 | 50              | M10-6gx40.88.35.019 ГОСТ 7796-70     | 2           | Bolt               |
|                 |                 | 10 OT OCT 37.001.115-75              | 4           | Washer             |
|                 | 51              | 50-4608049-01                        | 1           | Gasket             |
|                 | 52              | 70-4608033                           | 1           | Gasket             |
| 53              | 80-4608019-01   | 1                                    | Cover       |                    |

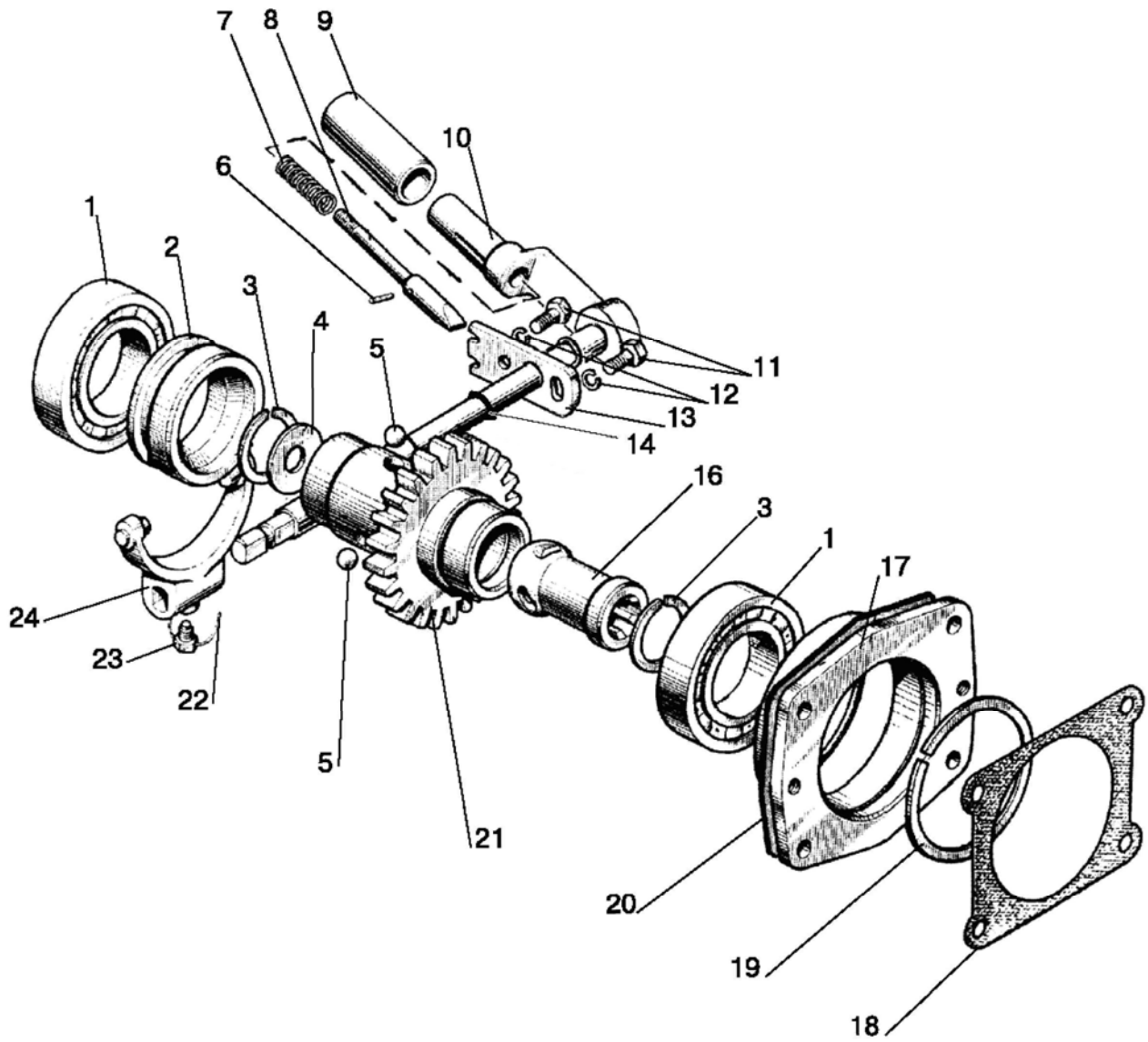


Fig.46.16. Pump drive

**Group 46. Hydraulic system  
Subgroup 4604. Pump drive**

| Fig. No. | Pos. No.   | Designation                          | Q-ty | Description                    |
|----------|------------|--------------------------------------|------|--------------------------------|
| 46.16    |            | 80-4604010                           | 1    | Pump drive (1-5, 11-14, 16-24) |
|          |            | 36-1022070-Б (85-4604040)            | 1    | Handle (6-10)                  |
|          | 1          | 210 АУШ1 GOST8338-75                 | 2    | Bearing                        |
|          | 2          | 85-4604017                           | 1    | Coupling                       |
|          | 3          | C40 ГОСТ 13943-86                    | 2    | Ring                           |
|          | 4          | 70-1108179                           | 1    | Washer                         |
|          | 5          | 11,112-100 ГОСТ 3722-81              | 3    | Ball                           |
|          | 6          | 4C <sub>3</sub> x16                  | 1    | Pin                            |
|          | 7          | 36-1022074                           | 1    | Spring                         |
|          | 8          | 36-1022073                           | 1    | Catch                          |
|          | 9          | 36-1022072                           | 1    | Cage                           |
|          | 10         | 36-1022071-Б                         | 1    | Handle                         |
|          | 11         | M8-6gx16.88.35.019 ГОСТ 7796-70      | 2    | Bolt                           |
|          | 12         | 8T OCT 37.001.115-75                 | 2    | Washer                         |
|          | 13         | 50-4604044                           | 1    | Plate                          |
|          | 14         | 013-017-25-1-4 ГОСТ 18829-73/9833-73 | 1    | Ring                           |
|          | 16         | 85-4604012                           | 1    | Bush                           |
|          | 17         | 50-4604036-A                         | 1    | Cage                           |
|          | 18         | 36-1022054-A                         | 1    | Gasket                         |
|          | 19         | 2C90 ГОСТ 13941-86                   | 1    | Ring                           |
|          | 20         | 70-4604037                           | 1    | Gasket                         |
|          | 21         | 80-4604032                           | 1    | Gear                           |
|          | 22         | 1-0-C                                | 1    | Wire L=150 mm                  |
|          | 23         | 50-4604046                           | 1    | Bolt                           |
| 24       | 85-4604030 | 1                                    | Fork |                                |

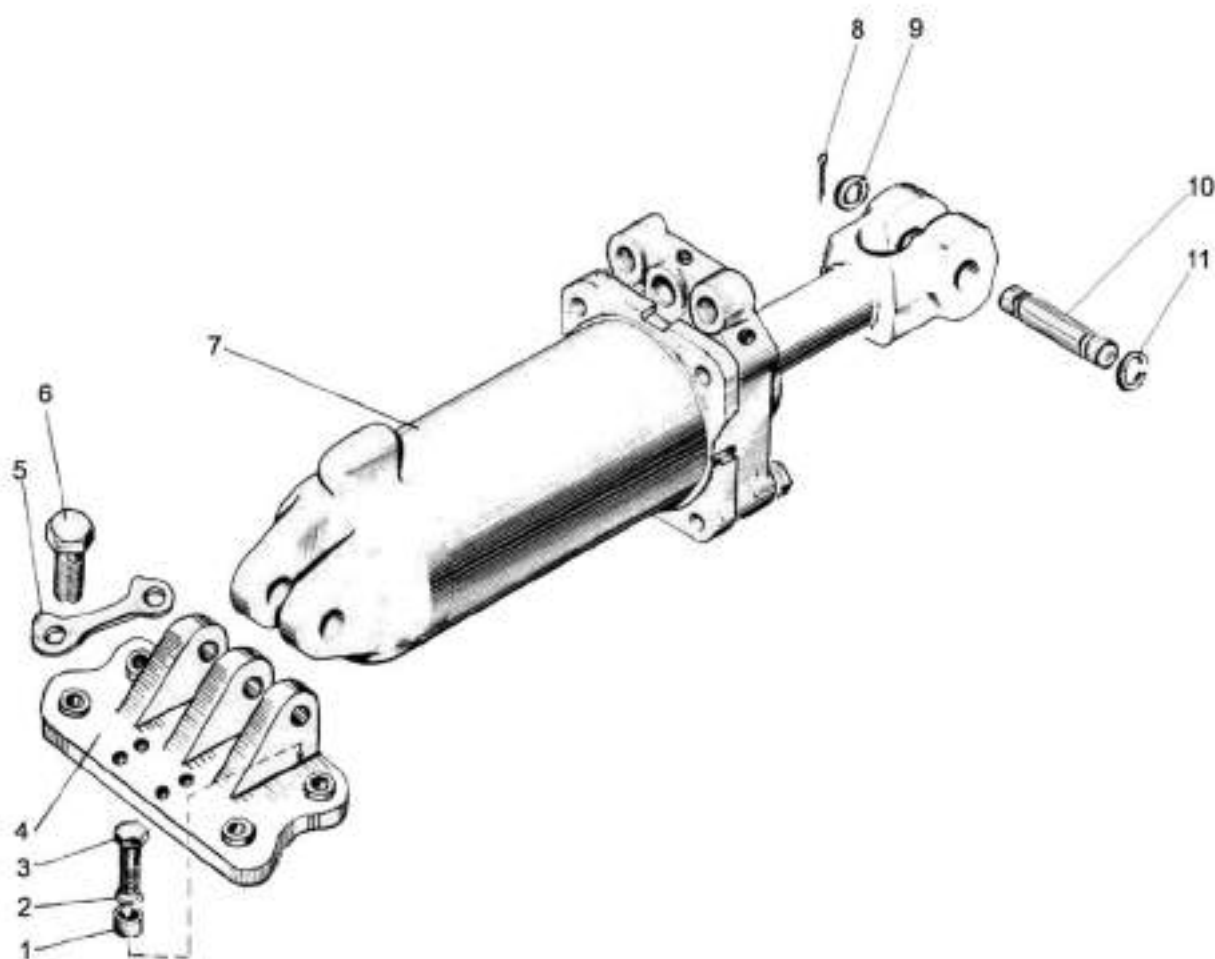


Fig.46.17. Hydraulic cylinder LQ 100x200



**Group 46. Hydraulic system  
Subgroup Ц 100. Hydraulic cylinder Ц 100x200**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>        | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------|-------------|--------------------|
| 46.17           | 1               | 70-4605041                | 2           | Bush               |
|                 | 2               | C 20.01.019 ГОСТ 11371-78 | 2           | Washer             |
|                 | 3               | 70-4605036-01             | 2           | Bolt               |
|                 | 4               | 70-4605017-A              | 1           | Bracket            |
|                 | 5               | 70-4605034                | 2           | Plate              |
|                 | 6               | 70-4605036                | 2           | Bolt               |
|                 | 7               | Ц100x200-3                | 1           | Hydraulic cylinder |
|                 | 8               | 5x36.019 ГОСТ 397-79      | 1           | Cotter pin         |
|                 | 9               | 70-4619042                | 1           | Washer             |
|                 | 10              | Ц90-1212037M              | 1           | Pin                |
|                 | 11              | 50-34 06022A              | 1           | Ring               |

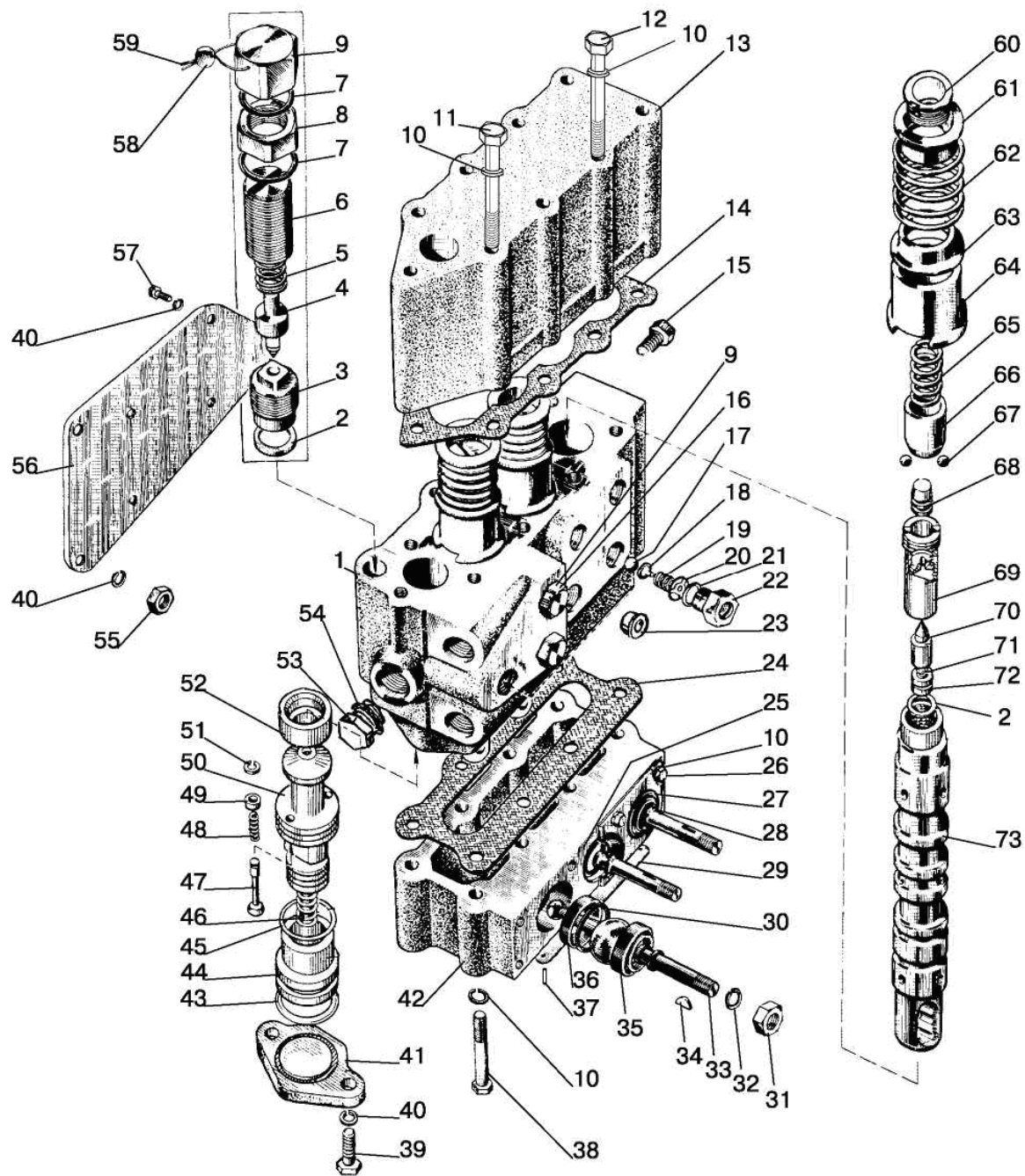


Fig.46.18. Hydraulic distributor P80-3/4-222-3Гr

**Group 46. Hydraulic system  
Subgroup P80-3/4-222-3 Гр. Hydraulic distributor P80-3/4-222-3 Гр**

| Fig. No. | Pos. No.       | Designation  | Q-ty   | Description                  |
|----------|----------------|--|--------|------------------------------|
| 46.18    |                | P80-3/4-222-3 Гр   | 1      | Hydraulic distributor (1-74) |
|          |                | P80-23.20.030  | 1      | Sliding valve (60-74)        |
|          | 1              | P80-23.30.421-A  | 1      | Casing                       |
|          | 2              | P75-B-028-A  | 7      | Gasket                       |
|          | 3              | P80-23.20.063  | 1      | Socket                       |
|          | 4              | МКПВ-16/3Ф-101   | 1      | Needle                       |
|          | 5              | МКПВ-16/3Ф-104   | 1      | Spring                       |
|          | 6              | P80-049 Б  | 1      | Adjusting screw              |
|          | 7              | 017-022-30-2-2 ГОСТ 18829-73/9833-73   | 3      | Ring                         |
|          | 8              | P75-058-Б  | 1      | Nut                          |
|          | 9              | P75-051-Б  | 1      | Cap                          |
|          | 10             | 8Т ОСТ 37.001.115-75   | 25     | Washer                       |
|          | 11             | M8-6gx110.88.35.019 ГОСТ 7796-70   | 3      | Bolt                         |
|          | 12             | M8-6gx100.88.35.019 ГОСТ 7796-70   | 6      | Bolt                         |
|          | 13             | P80-23.20.123-Б  | 1      | Bottom cover                 |
|          | 14             | P40/75-0808039-Б   | 1      | Gasket                       |
|          | 15             | КГ 1/4".A12.019 ТУ 23.1.506-91   | 1      | Plug                         |
|          | 16             | 50-4608027-Б   | 4      | Choke                        |
|          | 17             | 14,288-60 ГОСТ 3722-81   | 3      | Ball                         |
|          | 18             | P80-23.20.007  | 3      | Guide                        |
|          | 19             | P80-23.20.002  | 3      | Spring                       |
|          | 20             | P80-23.20.003  | 3      | Washer                       |
|          | 21             | 024-028-25-1-4 ГОСТ 18829-73/9833-73   | 3      | Ring                         |
|          | 22             | P80-23.20.004  | 2      | Adapter                      |
|          | 23             | P75-090A   | 6      | Choke (auxiliary)            |
|          | 24             | P75-3-038  | 1      | Gasket                       |
|          | 25             | P75-3-057  | 1      | Plate of rings               |
|          | 26             | M8-6gx20.88.35.019 ГОСТ 7796-70  | 8      | Bolt                         |
|          | 27             | P75-3-055-Б  | 1      | Dust cap plate               |
|          | 28             | P75-056M   | 3      | Dust cap                     |
|          | 29             | P80-23.20.353-Г1   | 1      | Nameplate                    |
|          | 30             | 28.00-3,00 72 NBR 872 or<br>OR NBR 70 02750300 ISO 3601 or<br>028-033-30-2-2 ГОСТ 18829-73/9833-73 | 3      | Ring                         |
|          | 31             | M12x1,25-6H.04.019 ГОСТ 5916-70  | 3      | Nut                          |
|          | 32             | 12 OT OСТ 37.001.115-75  | 3      | Washer                       |
|          | 33             | P75-054-Б  | 3      | Lever                        |
|          | 34             | 3x6,5 ГОСТ 24071-80  | 3      | Key                          |
|          | 35             | P80-23.20.065  | 3      | Ring                         |
|          | 36             | P80-23.20.064  | 3      | Ring                         |
|          | 37             | 2x6.01 ГОСТ 10299-80   | 2      | Rivet                        |
|          | 38             | M8-6gx55.88.35.019 ГОСТ 7795-70  | 8      | Bolt                         |
|          | 39             | M10-6gx25.88.35.019 ГОСТ 7796-70   | 2      | Bolt                         |
|          | 40             | 14 OT OСТ 37.001.115-75  | 9      | Washer                       |
|          | 41             | P80-23.20.071.Б  | 1      | Stop                         |
|          | 42             | P80-23.20.022-A  | 1      | Upper cover                  |
|          | 43             | 31,42-2,62 88 NBR 156 or<br>032-037-30-2-2 ГОСТ 18829-73/9833-73                                   | 1      | Ring                         |
|          | 44             | P80-23.20.073  | 1      | Guide                        |
|          | 45             | 025-030-30-2-3 ГОСТ 18829-73/9833-73   | 1      | Ring                         |
|          | 46             | P75-072  | 1      | Spring                       |
| 47       | P75-B3BP-081-A | 1  | Valve  |                              |
| 48       | P75-B3BP-082   | 1  | Spring |                              |

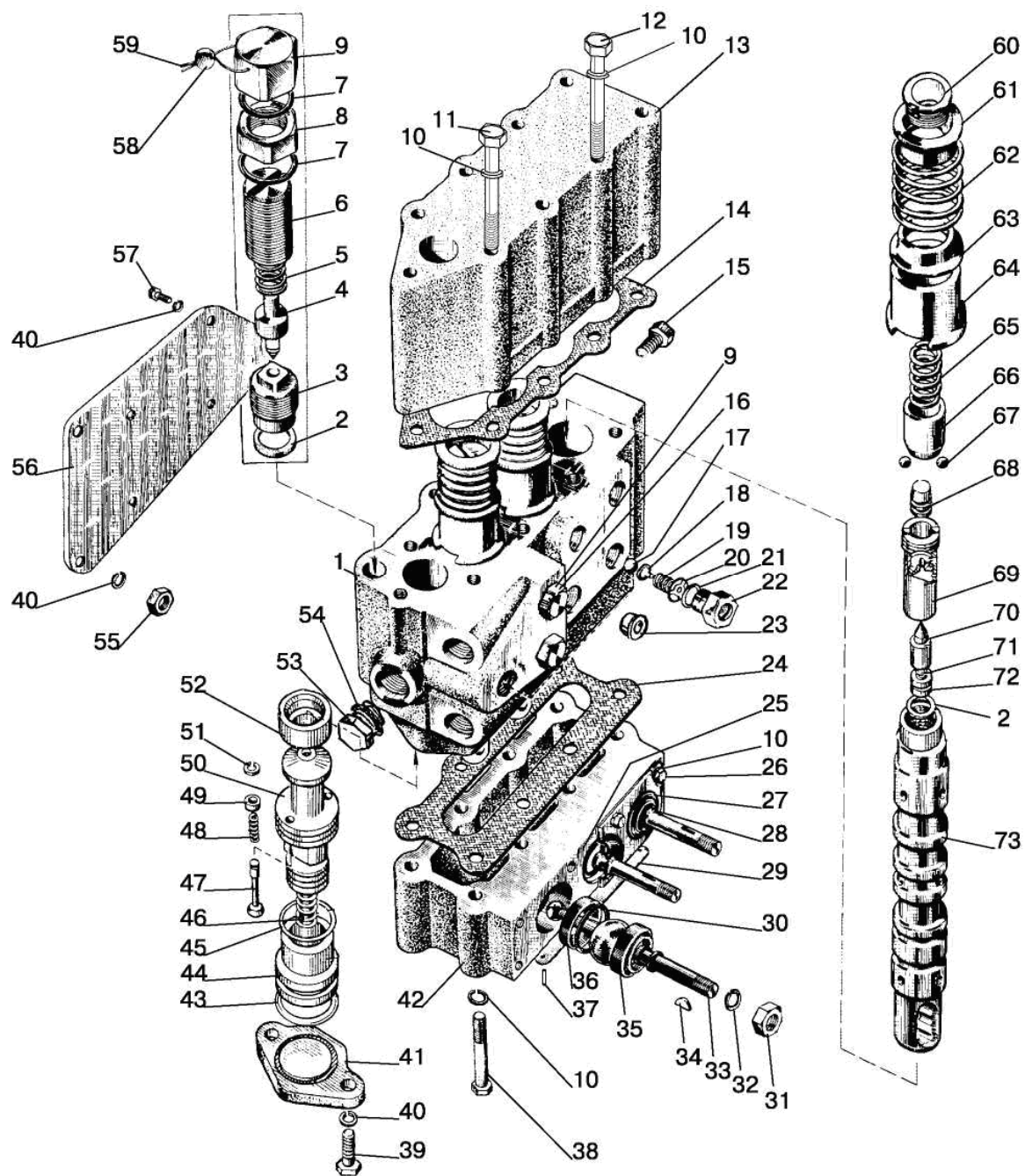


Fig.46.18. Hydraulic distributor P80-3/4-222-3Гр

**Group 46. Hydraulic system  
Subgroup P80-3/4-222-3Гр. Hydraulic distributor P80-3/4-222-3Гр**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>                   | <b>Q-ty</b>   | <b>Description</b> |
|-----------------|-----------------|--------------------------------------|---------------|--------------------|
| 46.18           | 49              | P80-23P.20.085                       | 1             | Washer             |
|                 | 50              | P80-23P.20.084                       | 1             | Overflow valve     |
|                 | 51              | 1,6.65Г.08.1 ГОСТ 11648-75           | 1             | Washer             |
|                 | 52              | P80-23.20.043                        | 1             | Valve socket       |
|                 | 53              | 85-4608021-Б                         | 1             | Plug               |
|                 | 54              | 025-029-25-2-2 ГОСТ 18829-73/9833-73 | 1             | Ring               |
|                 | 55              | M10-6H.6.019 ГОСТ 5915-70            | 3             | Nut                |
|                 | 56              | 50-4607032-Б                         | 1             | Bracket            |
|                 | 57              | M10-6gx20.88.35.019 ГОСТ 7796-70     | 4             | Bolt               |
|                 | 58              | P40/75-0808076                       | 1             | Seal               |
|                 | 59              | 0,8-II-L250 ГОСТ 3282-74             | 1             | Wire               |
|                 | 60              | P80-23.20.137                        | 3             | Plug               |
|                 | 61              | P75-033                              | 3             | Lower cage         |
|                 | 62              | P80-23.20.035                        | 3             | Spring             |
|                 | 63              | P75-034                              | 3             | Upper cage         |
|                 | 64              | P80-23.20.031                        | 3             | Fixture            |
|                 | 65              | P75-B-032                            | 3             | Spring             |
|                 | 66              | P75-B-029                            | 3             | Bush               |
|                 | 67              | 6,350-100 ГОСТ 3722-81               | 9             | Ball               |
|                 | 68              | P80-23.20-025                        | 3             | Booster            |
|                 | 69              | P80.23.20.046-Б                      | 3             | Liner              |
|                 | 70              | P80-23.20.045                        | 3             | Plunger            |
|                 | 71              | P80-23.20.036                        | 3             | Spring             |
| 72              | P80-23.20.027   | 3                                    | Socket        |                    |
| 73              | P80-23.20.224   | 3                                    | Sliding valve |                    |

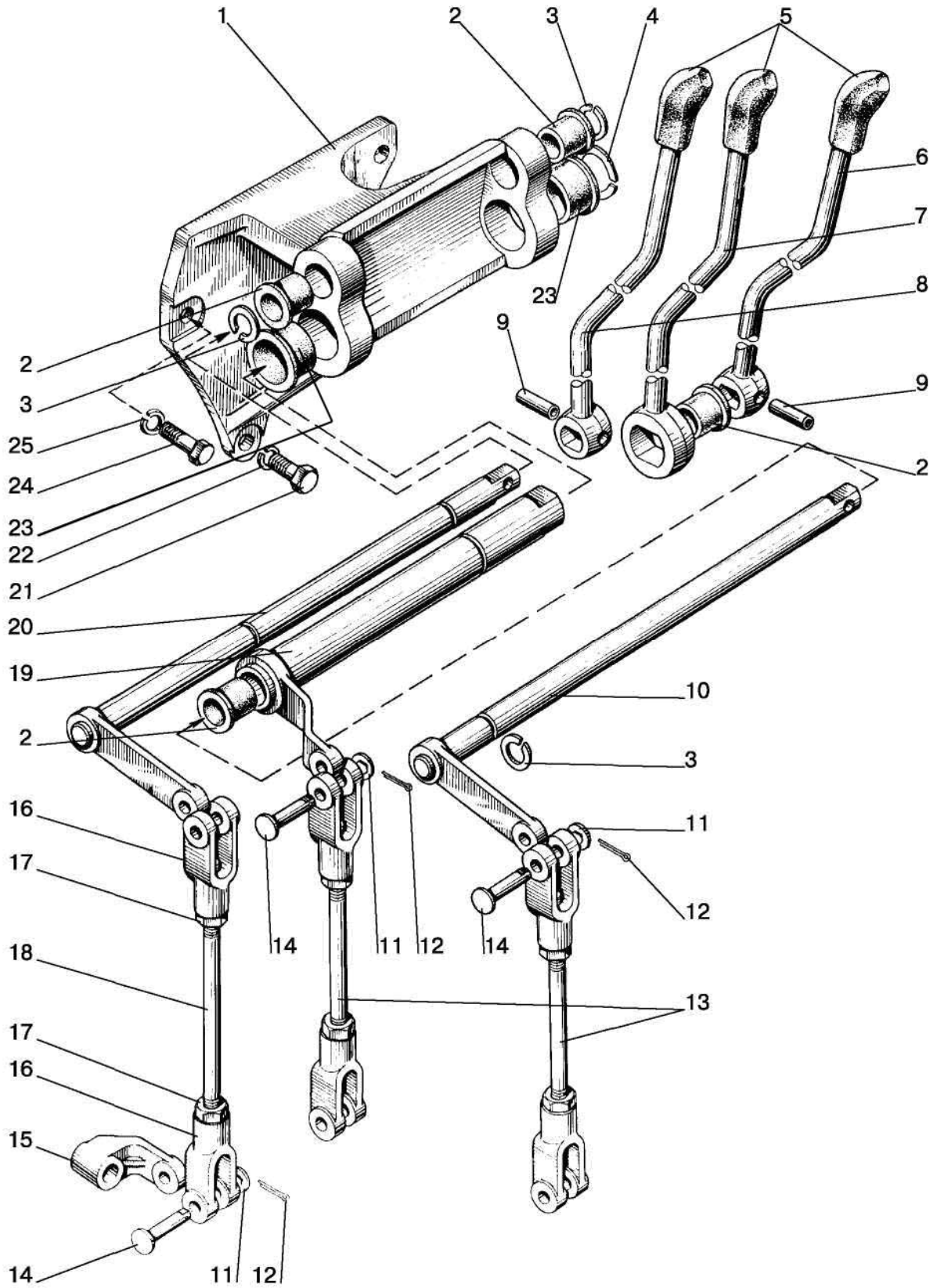


Fig.46.19. Hydraulic distributor control P80

**Group 46. Hydraulic system  
Subgroup 4607. Hydraulic distributor control P80**

| <b>Fig. No.</b> | <b>Pos. No.</b>                  | <b>Designation</b>  | <b>Q-ty</b> | <b>Description</b>       |
|-----------------|----------------------------------|---|-------------|--------------------------|
| 46.19           |                                  | 80-4607040  | 1           | Bracket (1-23)           |
|                 |                                  | 80-4607260-03   | 2           | Rod (13, 16, 17) L=178mm |
|                 |                                  | 80-4607260-04   | 1           | Rod (16-18) L=227 mm     |
|                 | 1                                | 85-4607017  | 1           | Bracket                  |
|                 | 2                                | 50-4607078-A  | 4           | Bush                     |
|                 | 3                                | C18 ГОСТ 13940-86   | 3           | Ring                     |
|                 | 4                                | C32 ГОСТ 13940-86   | 1           | Ring                     |
|                 | 5                                | A61.01.014  | 3           | Handle                   |
|                 | 6                                | 85-4607041-A  | 1           | Lever                    |
|                 | 7                                | 85-4607042-A  | 1           | Lever                    |
|                 | 8                                | 85-4607041-A-01   | 1           | Lever                    |
|                 | 9                                | A.8x30.65Г Chemical phosphate oil-impregnated coating ГОСТ 14229-93 | 2           | Pin                      |
|                 | 10                               | 80-4607220  | 1           | Shaft                    |
|                 | 11                               | 70-4607144  | 6           | Washer                   |
|                 | 12                               | 3,2x18.019 ГОСТ 397-79  | 6           | Cotter pin               |
|                 | 13                               | 80-4607087-01   | 2           | Rod L=102 mm             |
|                 | 14                               | A61-030-A1  | 6           | Pin                      |
|                 | 15                               | 50-4607086-A  | 3           | Lever                    |
|                 | 16                               | A20.213-A   | 6           | Fork                     |
|                 | 17                               | M8-6H.6.019 ГОСТ 5915-70  | 6           | Nut                      |
|                 | 18                               | 80-4607087-02   | 1           | Rod L=148 mm             |
|                 | 19                               | 80-4607230  | 1           | Shaft                    |
|                 | 20                               | 80-4607250  | 1           | Shaft                    |
|                 | 21                               | M12-6gx30.88.35.019 ГОСТ 7796-70                                    | 2           | Bolt                     |
|                 | 22                               | 12 OT OCT 37.001.115-75   | 2           | Washer                   |
| 23              | 50-4607079-A1                    | 2   | Bush        |                          |
| 24              | M10-6gx35.88.35.019 ГОСТ 7796-70 | 1   | Bolt        |                          |
| 25              | 10 OT OCT 37.001.115-75          | 1   | Washer      |                          |

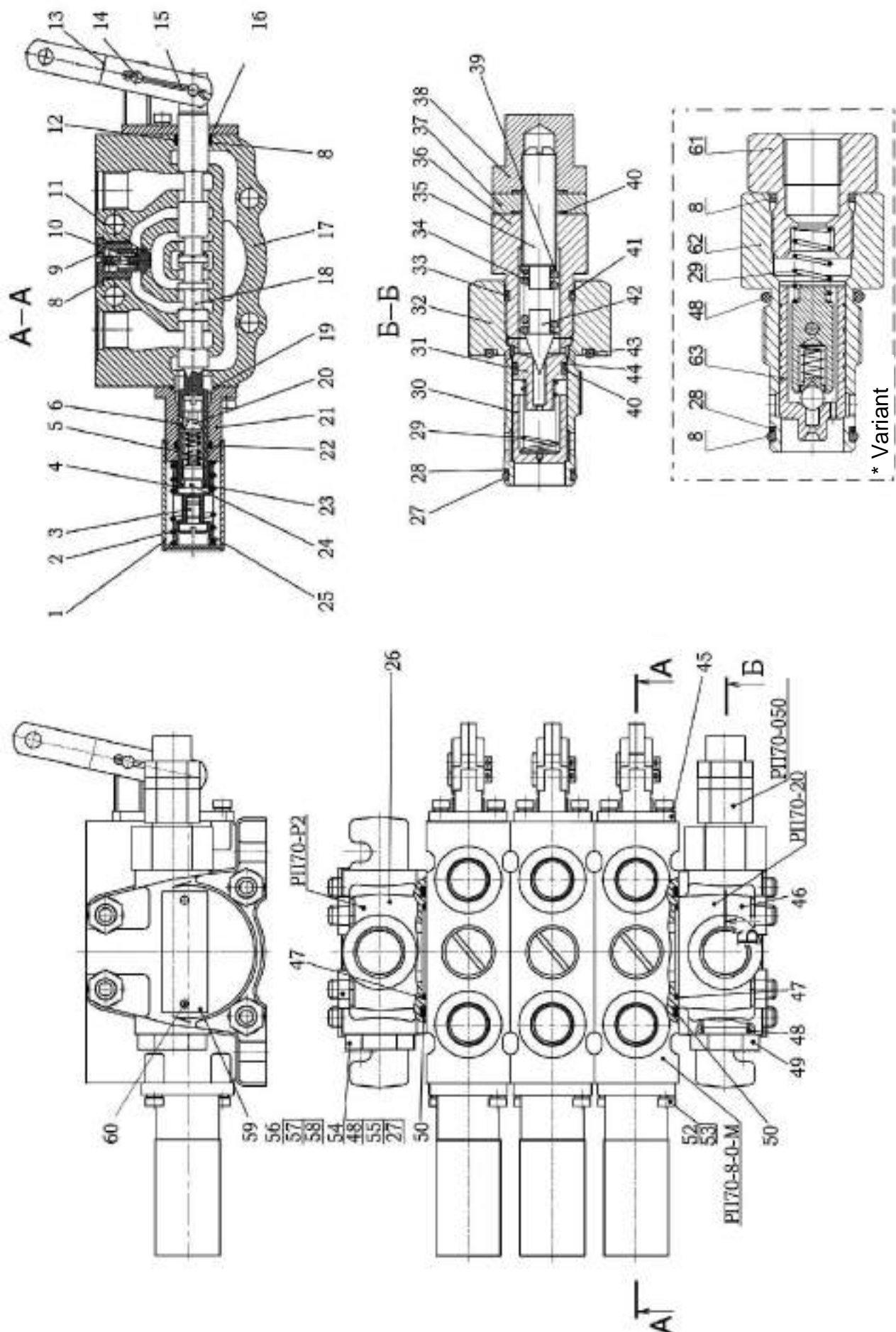


Fig.46.20. Hydraulic distributor ПП70



**Group 46. Remote-cylinder hydraulic system  
Subgroup PП70. Hydraulic distributor PП70**

| Fig. No. | Pos. No.                            | Designation                          | Q-ty   | Description                            |
|----------|-------------------------------------|--------------------------------------|--------|--|
| 46.20    |                                     | PП70-888-000-MMM-20P2                | 1      | Hydraulic distributor                  |
|          |                                     | PП70-8-0-M                           | 3      | Distributor section (1-25, 45, 52, 53) |
|          |                                     | PП70-P2                              | 1      | Cover (PП70-080, 26, 47, 50)           |
|          |                                     | PП70-20                              | 1      | Cover (PП70-050, 46, 48, 49)           |
|          |                                     | PП70-050                             | 1      | Pressure-relief valve (27-44)          |
|          |                                     | PП70-060*                            | 1      | Bypass valve (8, 28, 29, 48, 61-63)    |
|          |                                     | PП70-080                             | 1      | Choke (27, 48, 54, 55)                 |
|          | 1                                   | PП70-090                             | 1      | Pipe                                   |
|          | 2                                   | P16.3.10.10                          | 1      | Spring                                 |
|          | 3                                   | PП70-026                             | 1      | Screw                                  |
|          | 4                                   | PП70-018-01                          | 1      | Disk                                   |
|          | 5                                   | PП70-033                             | 1      | Spring                                 |
|          | 6                                   | 5,556-100 ГОСТ 3722-81               | 3      | Ball                                   |
|          | 8                                   | 017-020-19-2-2 ГОСТ 18829-73/9833-73 | 1(2*)  | Ring                                   |
|          | 9                                   | PП70-024                             | 1      | Plug                                   |
|          | 10                                  | PП70-027                             | 1      | Spring                                 |
|          | 11                                  | PП70-023                             | 1      | Gate                                   |
|          | 12                                  | PП70-031                             | 1      | Ring                                   |
|          | 13                                  | PП70-042                             | 2      | Slat                                   |
|          | 14                                  | 6x18 OCT 37.001.163-75               | 2      | Pin                                    |
|          | 15                                  | 2x40.019 ГОСТ 397-79                 | 3      | Cotter pin                             |
|          | 16                                  | PП70-032                             | 1      | Ring                                   |
|          | 17                                  | PП70-011                             | 1      | Body                                   |
|          | 18                                  | PП70-013                             | 1      | Sliding valve                          |
|          | 19                                  | 030-034-25-2-2 ГОСТ 18829-73/9833-73 | 1      | Ring                                   |
|          | 20                                  | 9,525-100 ГОСТ 3722-81               | 1      | Ball                                   |
|          | 21                                  | PП70-014                             | 1      | Fixture                                |
|          | 22                                  | 016-020-25-2-2 ГОСТ 18829-73/9833-73 | 1      | Ring                                   |
|          | 23                                  | 009-012-19-1-4 ГОСТ 18829-73/9833-73 | 1      | Ring                                   |
|          | 24                                  | PП70-016                             | 1      | Threaded fitting                       |
|          | 25                                  | PП70-018                             | 1      | Disk                                   |
|          | 26                                  | PП70-012                             | 1      | Cover                                  |
|          | 27                                  | 018-021-19-2-4 GOST18829-73/9833-73  | 2      | Ring                                   |
|          | 28                                  | PП70-058                             | 1      | Ring                                   |
|          | 29                                  | 70-4609037                           | 1      | Spring                                 |
|          | 30                                  | PП70-052-Б                           | 1      | Valve                                  |
|          | 31                                  | PП70-054                             | 1      | Seat                                   |
|          | 32                                  | PП70-051                             | 1      | Body                                   |
|          | 33                                  | 016-020-25-2-4 ГОСТ 18829-73/9833-73 | 1      | Ring                                   |
|          | 34                                  | МКПВ-16/3Ф-103                       | 1      | Spring                                 |
|          | 35                                  | PП70-059                             | 1      | Screw                                  |
|          | 36                                  | PП70-053                             | 1      | Connecting pipe                        |
|          | 37                                  | PП70-076                             | 1      | Nut                                    |
| 38       | PП70-057                            | 1                                    | Cap    |  |
| 39       | С 6.01.019 ГОСТ 11371-78            | 1                                    | Washer |  |
| 40       | 013-016-19-2-2 GOST18829-73/9833-73 | 3                                    | Ring   |  |
| 41       | PП70-058-02                         | 1                                    | Ring   |  |
| 42       | МКПВ-16/3Ф-101                      | 1                                    | Needle |  |
| 43       | 028-032-25-2-2 GOST18829-73/9833-73 | 1                                    | Ring   |  |

\* Variant for tractors equipped with power governor

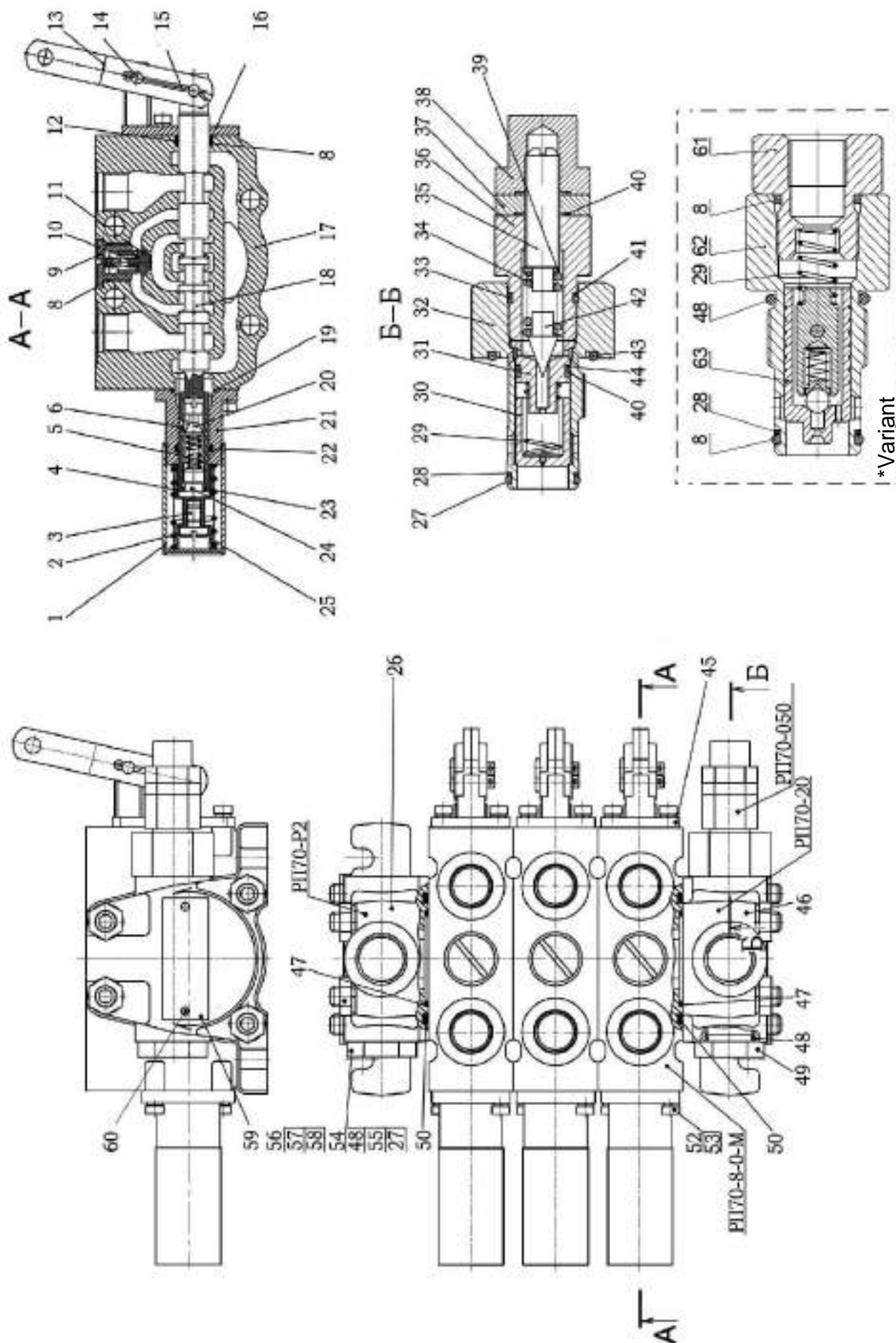


Fig.46.20. Hydraulic distributor ПП70

**Group 46. Remote-cylinder hydraulic system**

**Subgroup PП70. Hydraulic distributor PП70**

| Fig. No. | Pos. No. | Designation   | Q-ty  | Description     |
|----------|----------|---|-------|-----------------|
| 46.20    | 44       | PП70-058-01   | 1     | Ring            |
|          | 45       | PП70-070  | 1     | Bracket         |
|          | 46       | PП70-012-01   | 1     | Cover           |
|          | 47       | 036-040-25-2-2 ГОСТ 18829-73/9833-73                                    | 2     | Ring            |
|          | 48       | 021-024-19-2-4 GOST18829-73/9833-73                                     | 2(1*) | Ring            |
|          | 49       | PП70-036  | 1     | Plug            |
|          | 50       | 060-066-36-2-2 ГОСТ 18829-73/9833-73<br>or 60,00-3,50 SIMRIT 72 NBR 872 | 2     | Ring            |
|          | 52       | B.M5-6gx12.58.019 ГОСТ 17473-80   | 4     | Screw           |
|          | 53       | 5T OCT 37.001.115-75  | 4     | Washer          |
|          | 54       | PП70-081  | 1     | Choke           |
|          | 55       | PП70-058  | 1     | Ring            |
|          | 56       | PП70-037-02   | 4     | Pin             |
|          | 57       | M10-6H.6.019 ГОСТ 5915-70   | 8     | Nut             |
|          | 58       | 10 OT OCT 37.001.115-75   | 8     | Washer          |
|          | 59       | PП70-038  | 1     | Nameplate       |
|          | 60       | 2x6.01.10кп.05 ГОСТ 10299-80  | 2     | Rivet           |
|          | 61       | PП70-062  | 1     | Connecting pipe |
| 62       | PП70-061 | 1   | Body  |                 |
| 63       | PП70-065 | 1   | Valve |                 |

\* Variant for tractors equipped with power governor

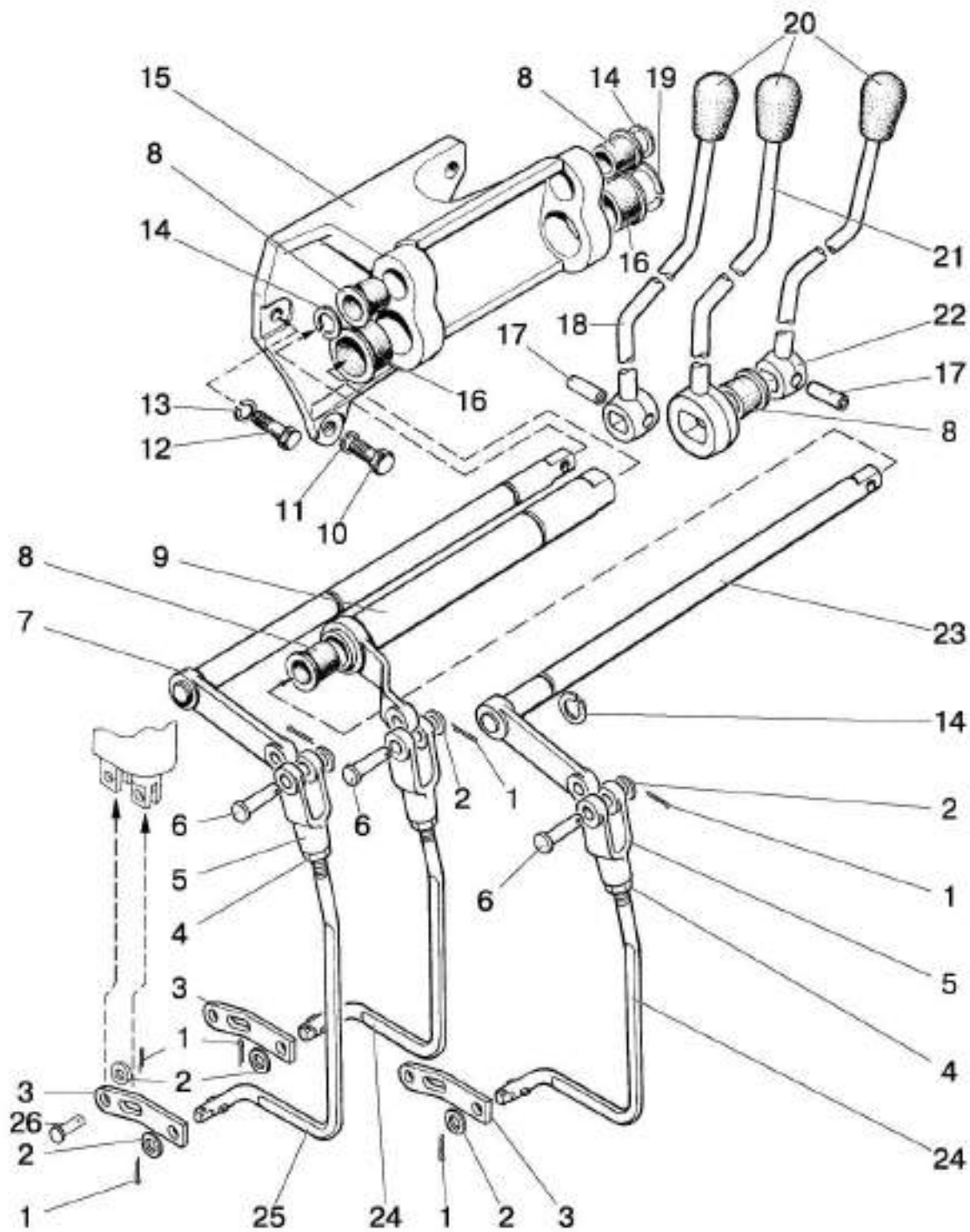


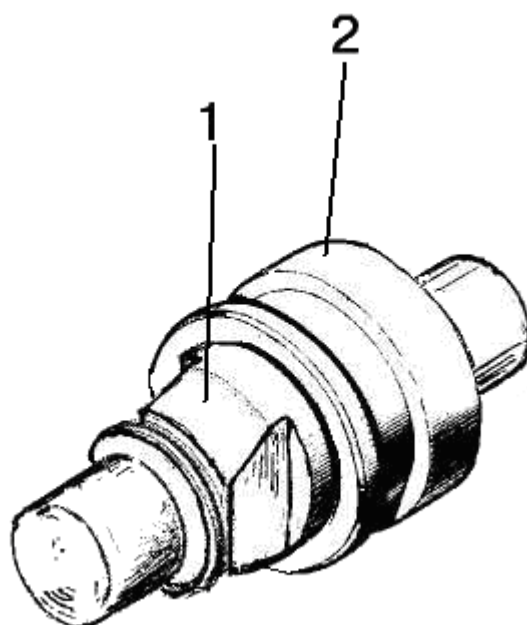
Fig.46.21. Hydraulic distributor control RS213 Mita, RS 213 Belarus, ПП 70

**Group 46. Hydraulic system**

**Subgroup 4607. Control of the hydraulic distributor RS 213 Mita, RS 213 Belarus, ПП 70**

| Fig. No. | Pos. No. | Designation  | Q-ty | Description |
|----------|----------|--|------|-------------|
| 46.21    | 1        | 3,2x18.019 ГОСТ 397-79   | 9    | Cotter pin  |
|          | 2        | 70-4607144   | 9    | Washer      |
|          | 3        | C80-4607086  | 3    | Lever       |
|          | 4        | M8-6H.6.019 ГОСТ 5915-70   | 3    | Nut         |
|          | 5        | A20-213A   | 3    | Fork        |
|          | 6        | A61-030-A1   | 3    | Pin         |
|          | 7        | 80-4607250   | 1    | Shaft       |
|          | 8        | 50-4607078-A   | 4    | Bush        |
|          | 9        | 80-4607230   | 1    | Shaft       |
|          | 10       | M12-6gx30.88.35.019 ГОСТ 7796-70                                       | 2    | Bolt        |
|          | 11       | 12 OT OCT 37.001.115-75  | 2    | Washer      |
|          | 12       | M10-6gx35.88.35.019 ГОСТ 7796-70                                       | 1    | Bolt        |
|          | 13       | 10 OT OCT 37.001.115-75  | 1    | Washer      |
|          | 14       | C18 ГОСТ 13940-86  | 3    | Ring        |
|          | 15       | 85-4607017   | 1    | Bracket     |
|          | 16       | 50-4607079-A1  | 2    | Bush        |
|          | 17       | A.8x30.65Г Chemical phosphate oil-impregnated coating<br>ГОСТ 14229-93 | 2    | Pin         |
|          | 18       | C80-4607080-01   | 1    | Lever       |
|          | 19       | C32 ГОСТ 13940-86  | 1    | Ring        |
|          | 20       | 70-3401093   | 3    | Lever tip   |
|          | 21       | C80-4607090  | 1    | Lever       |
|          | 22       | C80-4607080  | 1    | Lever       |
|          | 23       | 80-4607220   | 1    | Shaft       |
|          | 24       | C80-4607261<br>P1221-4607261*  | 2    | Rod         |
|          | 25       | C80-4607261-01<br>P1221-46007261-01*                                   | 1    | Rod         |
|          | 26       | C80-4607088  | 3    | Pin         |

\* With the distributor ПП 70



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Fig.46.22. Quick-connection coupling

**Subgroup M036.50Б. Quick-connection coupling**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Number of the assembly unit or part</b>     | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|--|-------------|--------------------|
| 46.22           | 1               | M036.50Б.20 or<br>0.653.00 or<br>PPV3.1320.712 | 1           | Right casing       |
|                 | 2               | M036.50Б.10 or<br>0.693.10 or<br>PPV3.1320.703 | 1           | Left casing        |

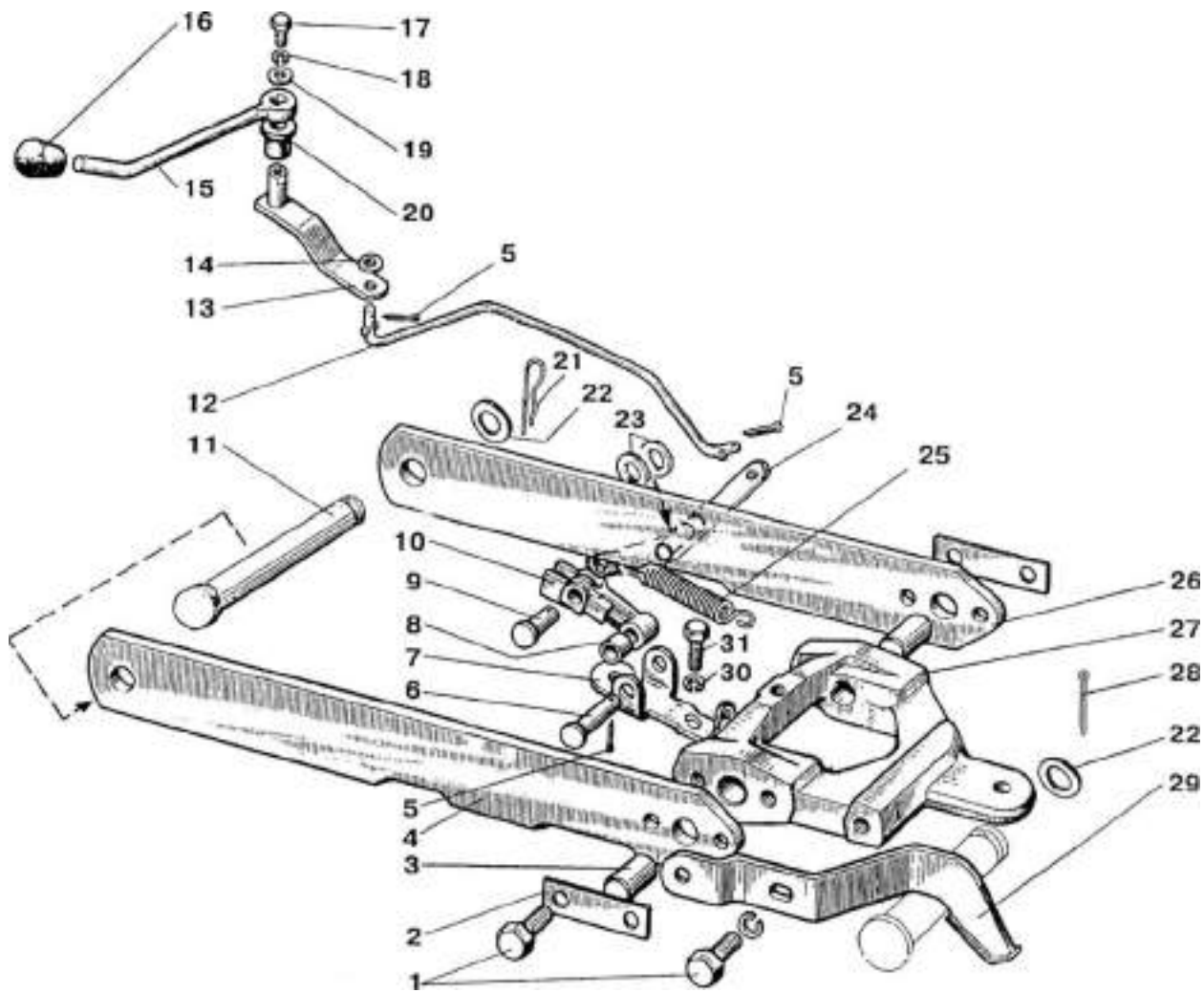


Fig. 46.23. Retention mechanism



**Group 46. Hydraulic system  
Subgroup 4619. Retention mechanism**

| <b>Fig. No.</b> | <b>Pos. No.</b>                 | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b>         |
|-----------------|---------------------------------|----------------------------------|-------------|----------------------------|
| 46.23           |                                 | 80-4619110                       | 1           | Retention mechanism (1-31) |
|                 |                                 | M12-6gx30.88.35.019 ГОСТ 7796-70 | 5           | Bolt                       |
|                 | 2                               | 70-4619016                       | 2           | Locking plate              |
|                 | 3                               | 85-4619017-01                    | 2           | Pin                        |
|                 | 4                               | 80-4619012-Б-01                  | 1           | Rod                        |
|                 | 5                               | 3,2x18.019 ГОСТ 397-79           | 5           | Cotter pin                 |
|                 | 6                               | 12x48 OCT 37.001.163-75          | 1           | Pin                        |
|                 | 7                               | 70-4619033                       | 1           | Bracket                    |
|                 | 8                               | 50-4605069-01                    | 1           | Bush                       |
|                 | 9                               | 12x32 OCT 37.001.163-75          | 1           | Pin                        |
|                 | 10                              | 70-4619029-Б                     | 1           | Lever                      |
|                 | 11                              | 80-4619019                       | 1           | Pin                        |
|                 | 12                              | 80-4619134                       | 1           | Rod                        |
|                 | 13                              | 85-4619035                       | 1           | Lever                      |
|                 | 14                              | C 8.01.019 ГОСТ 11371-78         | 1           | Washer                     |
|                 | 15                              | 85-4619036                       | 1           | Handle                     |
|                 | 16                              | 70-3401093                       | 1           | Lever tip                  |
|                 | 17                              | M6-6gx14.88.35.019 ГОСТ 7798-70  | 1           | Bolt                       |
|                 | 18                              | 6T OCT 37.001.115-75             | 1           | Washer                     |
|                 | 19                              | C 6.01.019 ГОСТ 6958-78          | 1           | Washer                     |
|                 | 20                              | 50-4607082-A                     | 1           | Bush                       |
|                 | 21                              | A61.07.001                       | 1           | Cotter pin                 |
|                 | 22                              | 70-4619042                       | 2           | Washer                     |
|                 | 23                              | 85-4619014                       | 2           | Washer S=15 mm             |
|                 | 24                              | 80-4619128                       | 1           | Lever                      |
|                 | 25                              | 50-1310158-Б                     | 1           | Spring                     |
|                 | 26                              | 80-4619105                       | 1           | Rod                        |
|                 | 27                              | 80-4619011                       | 1           | Gripping device            |
|                 | 28                              | 5x36.019 ГОСТ 397-79             | 1           | Cotter pin                 |
|                 | 29                              | 80-4619020                       | 1           | Plate                      |
|                 | 30                              | 8T OCT 37.001.115-75             | 2           | Washer                     |
| 31              | M8-6gx16.88.35.019 ГОСТ 7796-70 | 2                                | Bolt        |                            |

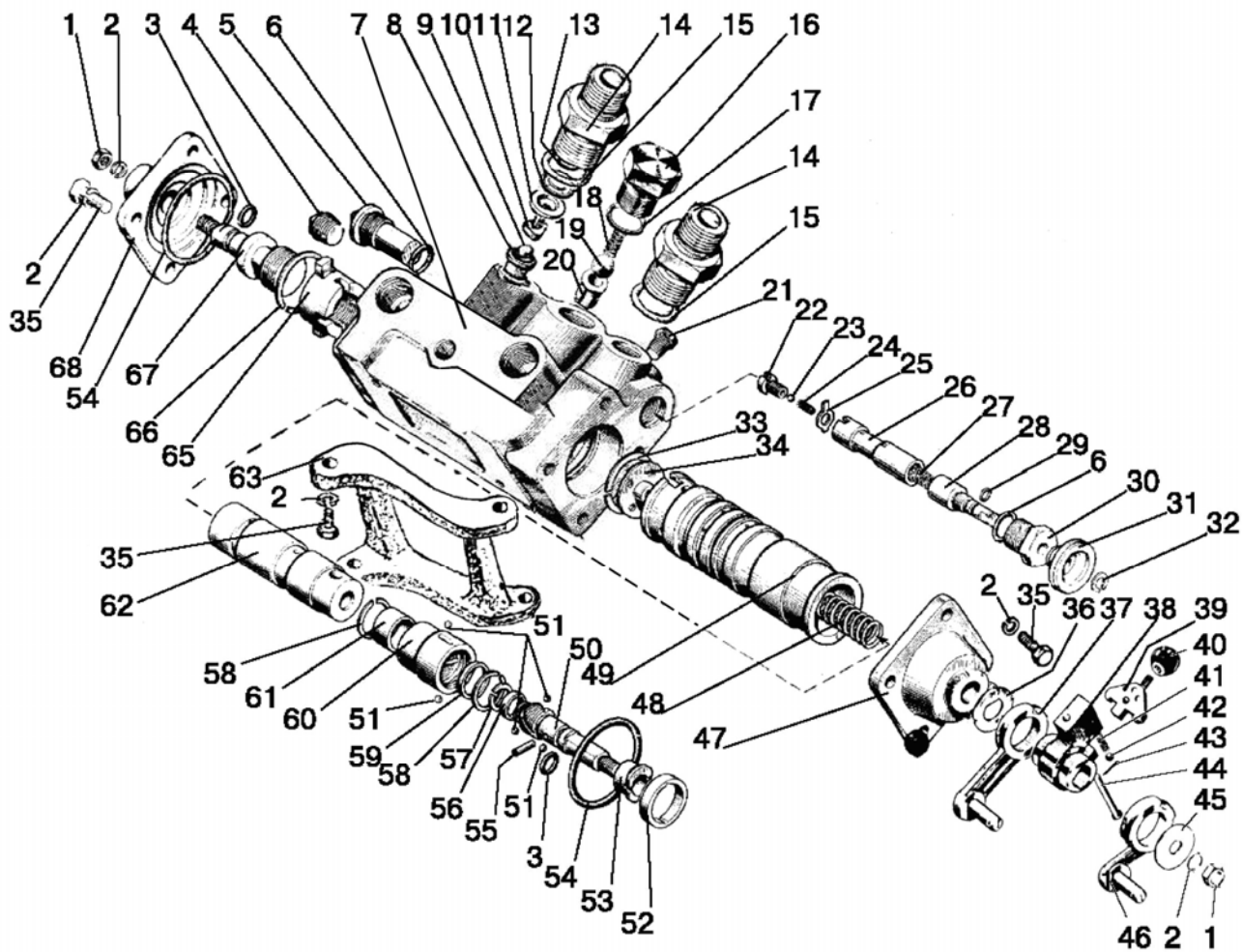


Fig. 46.24. Governor

**Group 46. Hydraulic system  
Subgroup 4614. Governor**

| Fig. No. | Pos. No. | Designation | Q-ty                                 | Description                           |                 |
|----------|----------|-------------|--------------------------------------|---------------------------------------|-----------------|
| 46.24    |          | 80П-4614210 | 1                                    | Governor with bracket (1-68)          |                 |
|          |          | 80-4614020  | 1                                    | Governor (1-35, 47-62, 64-69)         |                 |
|          |          | 80-4614030  | 1                                    | Liner screw (54, 68)                  |                 |
|          |          | 80-4614040  | 1                                    | Slide valve screw (50, 51, 53, 55-61) |                 |
|          |          | 80-4614070  | 1                                    | Plunger (22-26)                       |                 |
|          |          | 80-4614090  | 1                                    | Shutoff valve (8-13)                  |                 |
|          | 1        |             | M10-6H.6.019 ГОСТ 5915-70            | 2                                     | Nut             |
|          | 2        |             | 10 ОТ OCT 37.001.115-75              | 12                                    | Washer          |
|          | 3        |             | 011-016-30-2-4 ГОСТ 18829-73/9833-73 | 2                                     | Ring            |
|          | 4        |             | КГ 1/4".A12.019                      | 1                                     | Plug            |
|          | 5        |             | 80-4614087                           | 1                                     | Plug            |
|          | 6        |             | 018-022-25-2-3 ГОСТ 18829-73/9833-73 | 4                                     | Ring            |
|          | 7        |             | 80-4614011-01                        | 1                                     | Body            |
|          | 8        |             | 80-4614091                           | 1                                     | Seat            |
|          | 9        |             | 7,938-100 ГОСТ 3722-81               | 1                                     | Ball            |
|          | 10       |             | 80-4614093                           | 1                                     | Guide           |
|          | 11       |             | 80-4614094                           | 1                                     | Protective ring |
|          | 12       |             | 014-017-19-2-4 ГОСТ 18829-73/9833-73 | 1                                     | Ring            |
|          | 13       |             | 80-4614092                           | 1                                     | Spring          |
|          | 14       |             | 70-1405089                           | 2                                     | Connecting pipe |
|          | 15       |             | 017-022-30-1-4 ГОСТ 18829-73/9833-73 | 2                                     | Ring            |
|          | 16       |             | P50-4614019-Б                        | 1                                     | Valve body      |
|          | 17       |             | 022-027-30-2-2 ГОСТ 18829-73/9833-73 | 1                                     | Ring            |
|          | 18       |             | A61-072                              | 1                                     | Spring          |
|          | 19       |             | 14,288-60 ГОСТ 3722-81               | 1                                     | Ball            |
|          | 20       |             | P50-4614018                          | 1                                     | Seat            |
|          | 21       |             | КГ 1/8". A12.019                     | 4                                     | Plug            |
|          | 22       |             | 80-4614085                           | 1                                     | Plug            |
|          | 23       |             | 6,350-100 ГОСТ 3722-81               | 1                                     | Ball            |
|          | 24       |             | 80-4614058                           | 1                                     | Spring          |
|          | 25       |             | 80-4614065                           | 1                                     | Washer          |
|          | 26       |             | 80-4614064                           | 1                                     | Plunger         |
|          | 27       |             | 80-4614086                           | 1                                     | Spring          |
|          | 28       |             | 80-4614063                           | 1                                     | Screw           |
|          | 29       |             | 005-008-19-1-4 ГОСТ 18829-73/9833-73 | 1                                     | Ring            |
|          | 30       |             | 80-4614037                           | 1                                     | Choke           |
|          | 31       |             | 80-4614071                           | 1                                     | Handwheel       |
|          | 32       |             | B8 ГОСТ 13940-86                     | 1                                     | Ring            |
|          | 33       |             | C36 ГОСТ 13943-86                    | 1                                     | Ring            |
|          | 34       |             | P50-4614017                          | 1                                     | Washer          |
|          | 35       |             | M10-6gx20.88.35.019 ГОСТ 7796-70     | 12                                    | Bolt            |
|          | 36       |             | P50-4614052                          | 1                                     | Washer          |
|          | 37       |             | P50-4614080-A                        | 1                                     | Lever           |
|          | 38       |             | P50-41614048-Б1                      | 1                                     | Coupling        |
|          | 39       |             | P50-4614049-Б                        | 1                                     | Catch           |
|          | 40       |             | P50-4614054                          | 1                                     | Handle          |
|          | 41       |             | P50-4614072                          | 1                                     | Spring          |
|          | 42       |             | 5,556-60 ГОСТ 3722-81                | 2                                     | Ball            |
|          | 43       |             | 2x12.019 ГОСТ 397-79                 | 1                                     | Cotter pin      |
| 44       |          | P50-4614051 | 1                                    | Shaft                                 |                 |
| 45       |          | P50-4614053 | 1                                    | Washer                                |                 |
| 46       |          | P50-4614090 | 1                                    | Lever                                 |                 |
| 47       |          | 80-4614060  | 1                                    | Left cover                            |                 |
| 48       |          | 80-4614014  | 1                                    | Spring                                |                 |
| 49       |          | 80-4614012  | 1                                    | Liner                                 |                 |

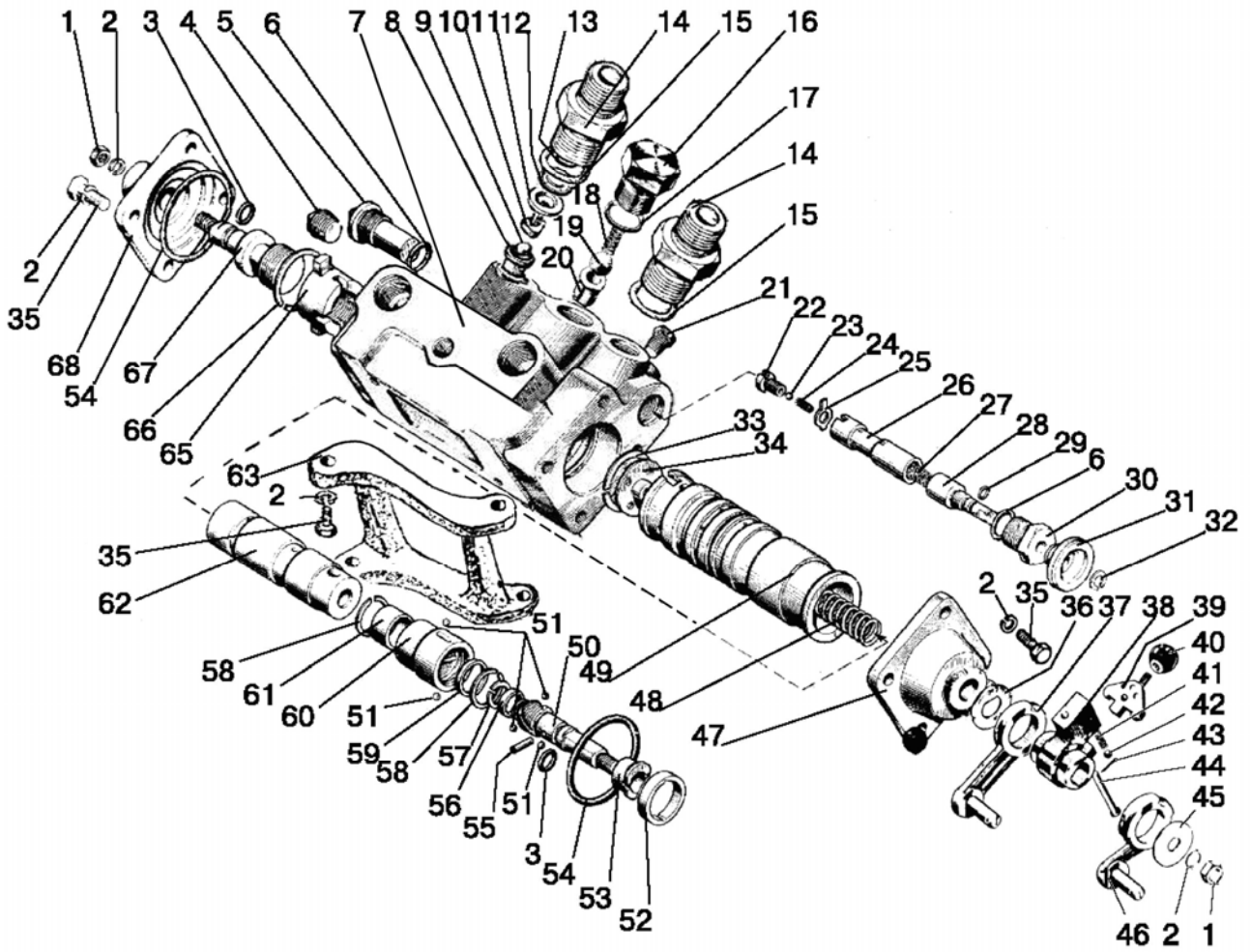


Fig. 46.24. Governor

Group 46. Hydraulic system  
Subgroup 4614. Governor

| Fig. No. | Pos. No. | Designation                          | Q-ty | Description       |
|----------|----------|--------------------------------------|------|-------------------|
| 46.24    | 50       | 80-4614041                           | 1    | Slide valve screw |
|          | 51       | 3,969-100 ГОСТ 3722-81               | 5    | Ball              |
|          | 52       | 80-4614027                           | 1    | Washer            |
|          | 53       | 80-4614043                           | 1    | Bush              |
|          | 54       | 056-060-25-2-2 ГОСТ 18829-73/9833-73 | 2    | Ring              |
|          | 55       | A.4x20.65Г ГОСТ 14229-93             | 1    | Pin               |
|          | 56       | 80-4614044                           | 1    | Washer            |
|          | 57       | C15 ГОСТ 13942-86                    | 1    | Ring              |
|          | 58       | C25 ГОСТ 13941-86                    | 2    | Ring              |
|          | 59       | 80-4614046                           | 1    | Bush              |
|          | 60       | 80-4614042                           | 1    | Slide valve nut   |
|          | 61       | 80-4614045                           | 1    | Bush              |
|          | 62       | 80-4614013                           | 1    | Sliding valve     |
|          | 63       | 70-4614032-A                         | 1    | Bracket           |
|          | 65       | 80-4614024                           | 1    | Liner nut         |
|          | 66       | C38 ГОСТ 13941-86                    | 1    | Ring              |
|          | 67       | 80-4614022                           | 1    | Liner screw       |
|          | 68       | P50-4614015-Б-01                     | 1    | Right cover       |

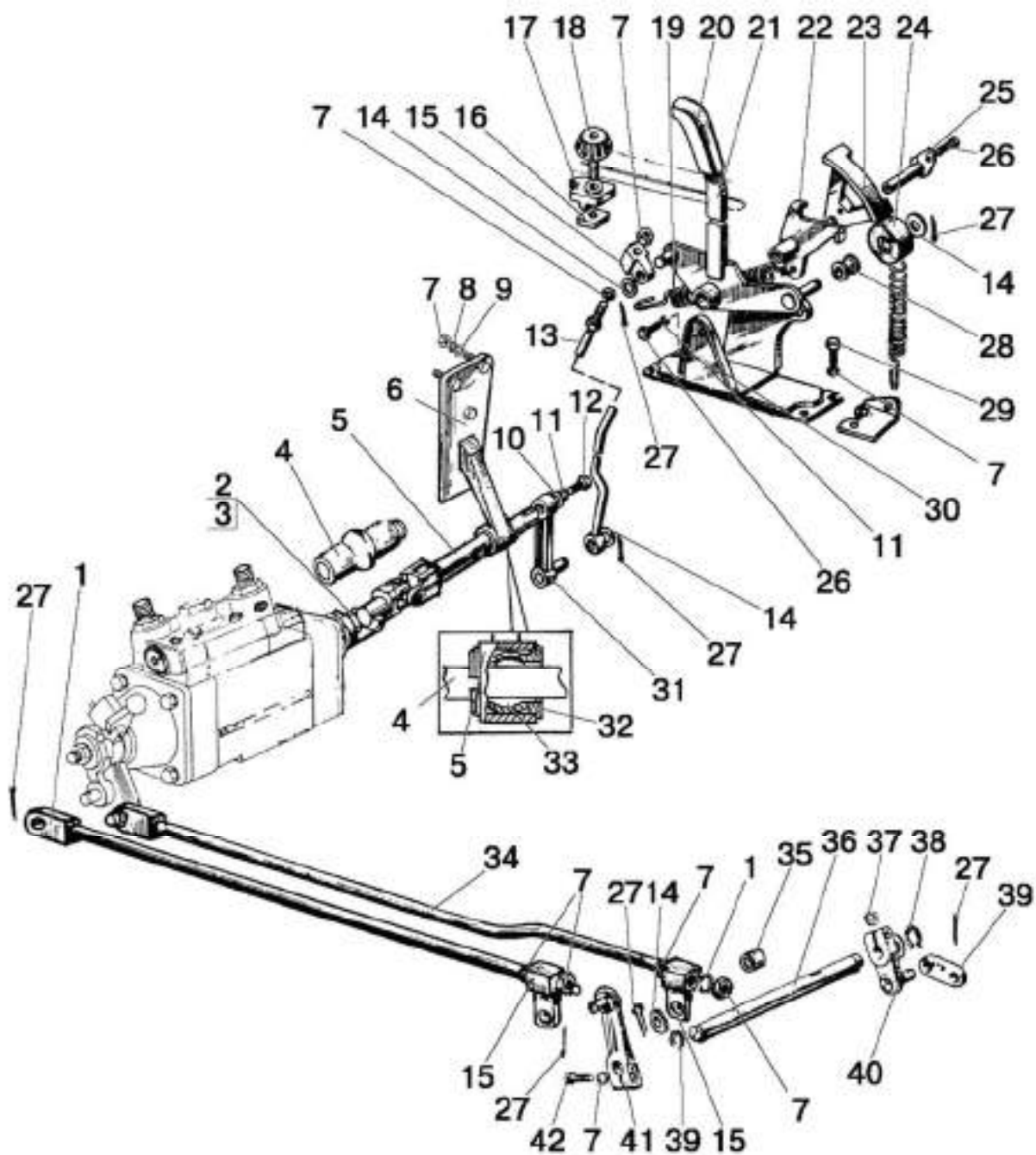


Fig.46.25. Governor control

**Group 46. Hydraulic system  
Subgroup 4616. Governor control**

| Fig. No. | Pos. No.                        | Designation                     | Q-ty | Description                       |
|----------|---------------------------------|---------------------------------|------|-----------------------------------|
| 46.25    |                                 | 80П-4616210                     | 1    | Governor control (without switch) |
|          | 1                               | 70-4616140                      | 1    | Rod                               |
|          | 2                               | 10 OT OCT 37.001.115-75         | 1    | Washer                            |
|          | 3                               | M10-6H.6.019 ГОСТ 5915-70       | 1    | Nut                               |
|          | 4                               | 85-4616053                      | 1    | Boot                              |
|          | 5                               | 80-4616050-B                    | 1    | Shaft                             |
|          | 6                               | 80B-4616050                     | 1    | Bracket                           |
|          | 7                               | M8-6H.6.019 ГОСТ 5915-70        | 9    | Nut                               |
|          | 8                               | 8T OCT 37.001.115-75            | 10   | Washer                            |
|          | 9                               | C 8.01.016 ГОСТ 11371-78        | 7    | Washer                            |
|          | 10                              | C 6.01.016 ГОСТ 11371-78        | 1    | Washer                            |
|          | 11                              | 6T OCT 37.001.115-75            | 4    | Washer                            |
|          | 12                              | M6-6gx12.88.35.019 ГОСТ 7798-70 | 1    | Bolt                              |
|          | 13                              | 80-4616044-B                    | 1    | Rod                               |
|          | 14                              | C 10.01.016 ГОСТ 11371-78       | 2    | Washer                            |
|          | 15                              | 80-4616051                      | 3    | Slider                            |
|          | 16                              | M6-6H.6.019 ГОСТ 5915-70        | 1    | Nut                               |
|          | 17                              | 80-4616034                      | 1    | Stop                              |
|          | 18                              | 80-4616070                      | 1    | Screw                             |
|          | 19                              | 50-1605152                      | 1    | Spring                            |
|          | 20                              | A13.17.000                      | 1    | Handle                            |
|          | 21                              | 80-4616020-B                    | 1    | Lever                             |
|          | 22                              | 80-4616035                      | 1    | Lever                             |
|          | 23                              | 85-4616090-B1                   | 1    | Sector                            |
|          | 24                              | 80-4616017                      | 1    | Roller                            |
|          | 25                              | 80-4616155                      | 1    | Pin                               |
|          | 26                              | M6-6gx14.88.35.019 ГОСТ 7798-70 | 3    | Bolt                              |
|          | 27                              | 3,2x18.019 ГОСТ 397-79          | 8    | Cotter pin                        |
|          | 28                              | 80-4616016                      | 1    | Bush                              |
|          | 29                              | M8-6gx16.88.35.019 ГОСТ 7796-70 | 4    | Bolt                              |
|          | 30                              | 80-4616150                      | 1    | Bracket                           |
|          | 31                              | 80B-4616040                     | 1    | Lever                             |
|          | 32                              | 80B-4616023                     | 1    | Bush                              |
|          | 33                              | 80B-4616022                     | 1    | Sphere                            |
|          | 34                              | 70-4616150                      | 1    | Rod                               |
|          | 35                              | 70-8405114                      | 1    | Bush                              |
|          | 36                              | 70-4616051                      | 1    | Roller                            |
|          | 37                              | P50-4616053                     | 2    | Key                               |
|          | 38                              | C15 ГОСТ 13942-86               | 2    | Ring                              |
|          | 39                              | P50-4616054                     | 1    | Plate                             |
|          | 40                              | P50-4616130-B                   | 1    | Lever                             |
|          | 41                              | 70-4616110                      | 1    | Lever                             |
| 42       | M8-6gx25.88.35.019 ГОСТ 7796-70 | 2                               | Bolt |                                   |

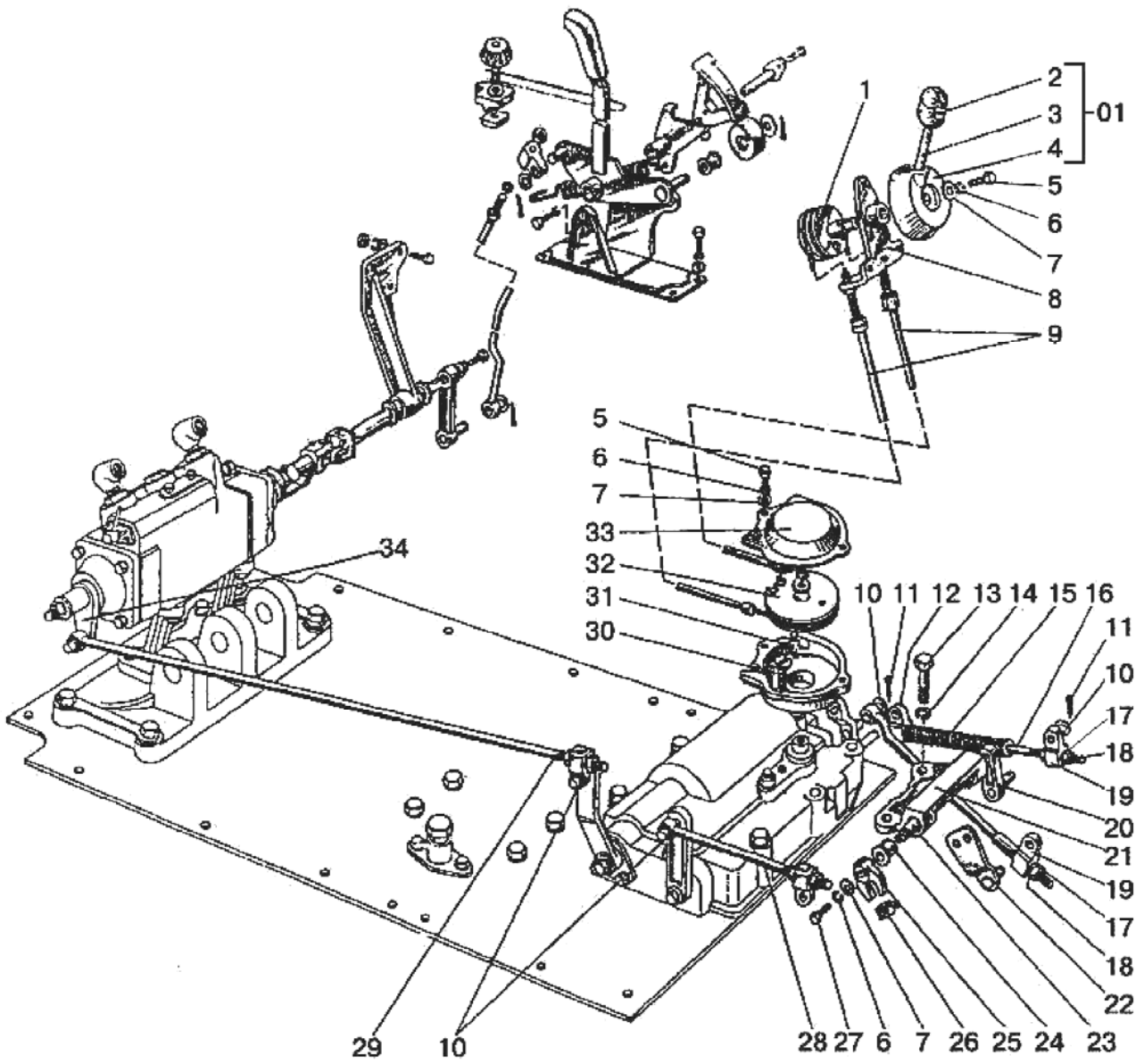


Fig.46.26. Governor control (Hydraulic mounted system with combined adjustment)



**Group 46. Hydraulic system  
Subgroup 4616. Governor control  
(Hydraulic mounted system with combined adjustment)**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>               | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|----------------------------------|-------------|--------------------|
| 46.26           |                 | 80-4616210                       |             | Governor control   |
|                 | 01              | 80-4616140                       | 1           | Handle (2-4)       |
|                 | 1               | 80-4616095-B                     | 1           | Pulley             |
|                 | 2               | A13.11.000                       | 1           | Handle             |
|                 | 3               | 80-4616048                       | 1           | Pin                |
|                 | 4               | 80-4616041                       | 1           | Flywheel           |
|                 | 5               | B.M6-6gx12.58.019 ГОСТ 17473-80  | 1           | Screw              |
|                 | 6               | 6T OCT 37.001.115-75             | 5           | Washer             |
|                 | 7               | C 6.01.016 ГОСТ 11371-78         | 5           | Washer             |
|                 | 8               | 80-4616115-B                     | 1           | Bracket            |
|                 | 9               | 85-4616125-B                     | 2           | Cable              |
|                 | 10              | C 10.01.016 ГОСТ 11371-78        | 8           | Washer             |
|                 | 11              | 3,2x18.019 ГОСТ 397-79           | 13          | Cotter pin         |
|                 | 12              | 80-4616075                       | 2           | Slider             |
|                 | 13              | M12-6gx75.88.35.019 ГОСТ 7795-70 | 2           | Bolt               |
|                 | 14              | 12 OT OCT 37.001.115-75          | 4           | Washer             |
|                 | 15              | 80-4616046-B                     | 1           | Spring             |
|                 | 16              | 80-4616090-B                     | 1           | Rod                |
|                 | 17              | C 8.01.019 ГОСТ 11371-78         | 9           | Washer             |
|                 | 18              | M8-6H.6.019 ГОСТ 5915-70         | 3           | Nut                |
|                 | 19              | 80-4616051                       | 3           | Slider             |
|                 | 20              | 80-4616040                       | 1           | Lever              |
|                 | 21              | 80-4616057                       | 1           | Bracket            |
|                 | 22              | 80-4616080                       | 1           | Lever              |
|                 | 23              | 80-4616059                       | 1           | Shaft              |
|                 | 24              | 50-4607082-A                     | 4           | Bush               |
|                 | 25              | 80-4616061                       | 1           | Lever              |
|                 | 26              | 80-4616072                       | 1           | Block              |
|                 | 27              | M8-6gx14.88.35.019 ГОСТ 7796-70  | 3           | Bolt               |
|                 | 28              | 80-4616065                       | 1           | Rod                |
|                 | 29              | 80-4616065-01                    | 1           | Rod                |
|                 | 30              | M6-6gx12.88.35.019 ГОСТ 7798-70  | 1           | Screw              |
|                 | 31              | 80-4616068                       | 1           | Casing             |
|                 | 32              | 80-4616069                       | 1           | Pulley             |
| 33              | 80-4616071      | 1                                | Cover       |                    |
| 34              | 85-4614130      | 1                                | Lever       |                    |

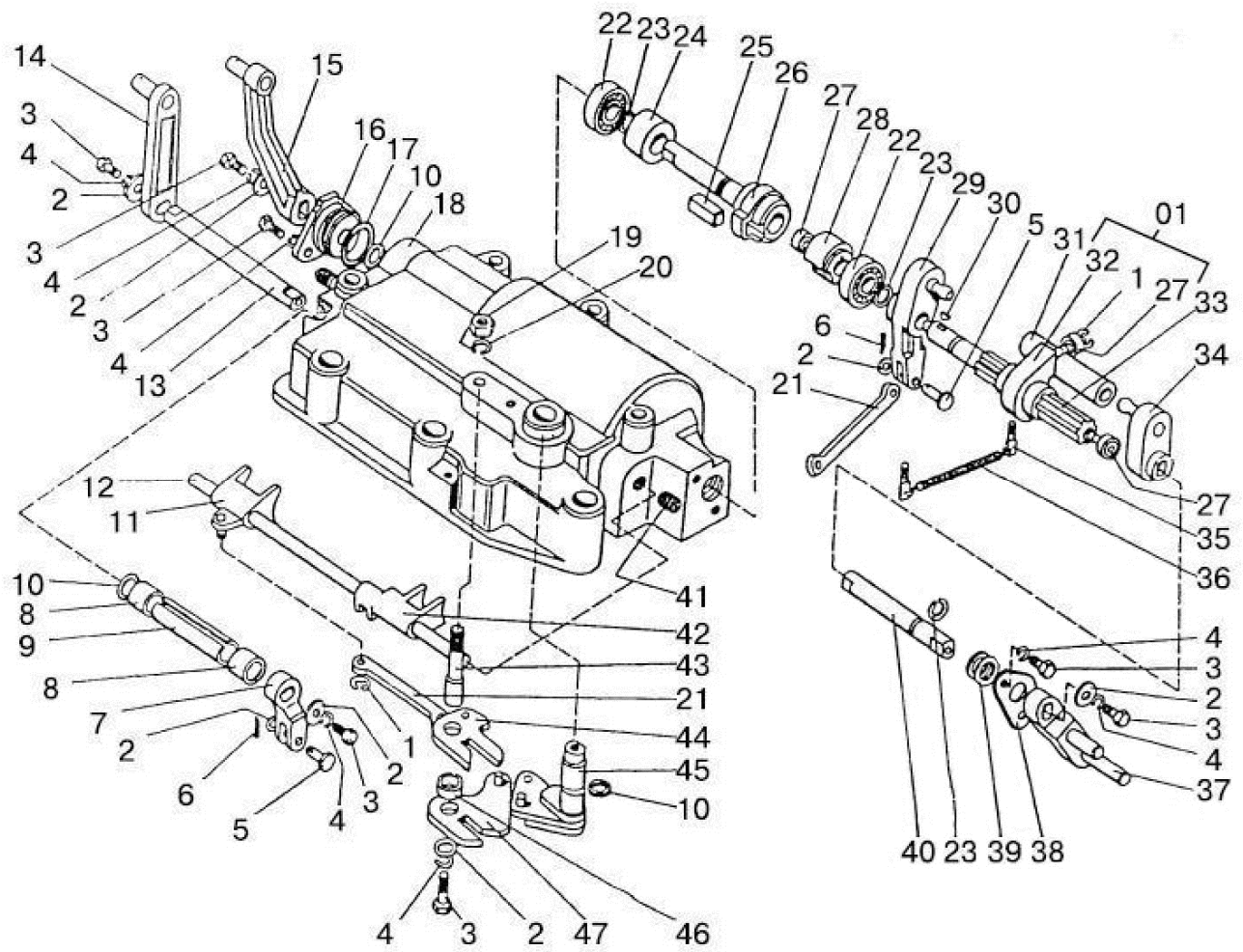


Fig.46.27. Switch (Hydraulic mounted system with combined adjustment)

**Group 46. Hydraulic system**

**Subgroup 4616. Switch**

**(Hydraulic mounted system with combined adjustment)**

| Fig. No. | Pos. No.   | Designation                          | Q-ty  | Description    |
|----------|------------|--------------------------------------|-------|----------------|
| 46.27    |            | 80-4618005                           | 1     | Switch (1-47)  |
|          | 01         | 80-4618025                           | 1     | Stop (1,27,32) |
|          | 1          | 80-4618014                           | 2     | Washer         |
|          | 2          | C 6.01.019 ГОСТ 11371-78             | 9     | Washer         |
|          | 3          | M6-6gx12.88.35.019 ГОСТ 7798-70      | 9     | Bolt           |
|          | 4          | 6T OCT 37.001.115-75                 | 9     | Washer         |
|          | 5          | 6x18 OCT 37.001.163-75               | 2     | Pin            |
|          | 6          | 2x12.019 ГОСТ 397-79                 | 2     | Cotter pin     |
|          | 7          | 80-4618051                           | 1     | Lever          |
|          | 8          | 941/12 ГОСТ 4060-78                  | 2     | Bearing        |
|          | 9          | 80-4618061                           | 1     | Bush           |
|          | 10         | 012-015-19-2-4 ГОСТ 18829-73/9833-73 | 3     | Ring           |
|          | 11         | 80-4618055                           | 1     | Fork           |
|          | 12         | 80-4618037                           | 1     | Roller         |
|          | 13         | 80-4618052                           | 1     | Shaft          |
|          | 14         | 80-4618060                           | 1     | Lever          |
|          | 15         | 80-4618065                           | 1     | Lever          |
|          | 16         | 80-4618041                           | 1     | Cover          |
|          | 17         | 024-028-25-2-4 ГОСТ 18829-73/9833-73 | 3     | Ring           |
|          | 18         | 80-4618011                           | 1     | Casing         |
|          | 19         | M8-6H.6.019 ГОСТ 5915-70             | 1     | Nut            |
|          | 20         | 8T OCT 37.001.115-75                 | 1     | Washer         |
|          | 21         | 80-4618042                           | 2     | Plate          |
|          | 22         | 101 ГОСТ 8338-75                     | 1     | Bearing        |
|          | 23         | C12 ГОСТ 13940-86                    | 1     | Ring           |
|          | 24         | 80-4618064                           | 1     | Bush           |
|          | 25         | 80-4618036                           | 1     | Key            |
|          | 26         | 80-4618032                           | 1     | Clutch         |
|          | 27         | 1000095 ГОСТ 8338-75                 | 2     | Bearing        |
|          | 28         | 80-4618019                           | 1     | Stop           |
|          | 29         | 80-4618030                           | 1     | Lever          |
|          | 30         | 3x5 ГОСТ 24071-97                    | 1     | Key            |
|          | 31         | 80-4618034                           | 1     | Rocking arm    |
|          | 32         | 80-4618013                           | 2     | Stop           |
|          | 33         | 80-4618018                           | 1     | Roller         |
|          | 34         | 80-4618035                           | 1     | Lever          |
|          | 35         | 80-4618047                           | 1     | Screw          |
|          | 36         | 80-4618062                           | 1     | Spring         |
|          | 37         | 80-4618070                           | 1     | Lever          |
|          | 38         | 80-4618046                           | 1     | Cover          |
|          | 39         | 80-4618044                           | 4     | Gasket         |
|          | 40         | 80-4618063                           | 1     | Roller         |
|          | 41         | 72-2308100                           | 2     | Screw          |
|          | 42         | 80-4618038                           | 1     | Fork           |
|          | 43         | 80-4618039-A                         | 1     | Pin            |
|          | 44         | 80-4618050                           | 1     | Lever          |
|          | 45         | 80-4618040                           | 1     | Lever          |
| 46       | 80-4618054 | 1                                    | Bush  |                |
| 47       | 80-4618045 | 1                                    | Lever |                |

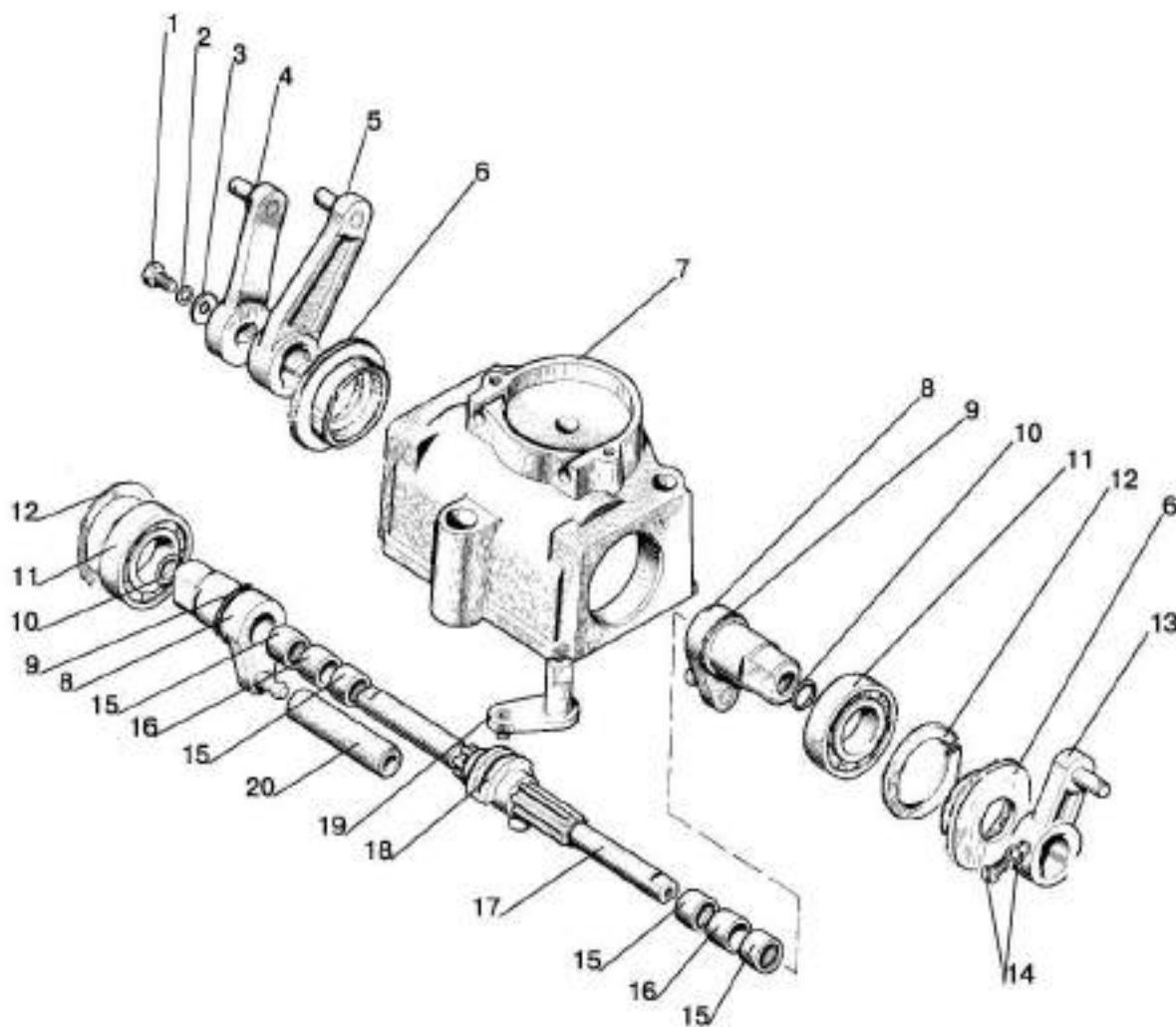


Fig.46.28. Mixer

**Group 46. Hydraulic system  
Subgroup 4618. Mixer**

| Fig. No. | Pos. No.   | Designation                          | Q-ty        | Description         |
|----------|------------|--------------------------------------|-------------|---------------------|
| 46.28    |            | 85-4618010                           | 1           | Mixer (6-12, 15-20) |
|          |            | 85-4618050                           | 1           | Mixer (1-20)        |
|          | 1          | M6-6gx12.88.35.019 ГОСТ 7798-70      | 1           | Bolt                |
|          | 2          | 6T OCT 37.001.115-75                 | 1           | Washer              |
|          | 3          | C 6.01.019 ГОСТ 6958-78              | 1           | Washer              |
|          | 4          | 85-4618040                           | 1           | Lever               |
|          | 5          | 85-4618035                           | 1           | Lever               |
|          | 6          | 85-4618012                           | 2           | Cover               |
|          | 7          | 85-4618011                           | 1           | Casing              |
|          | 8          | 85-4618025                           | 2           | Lever               |
|          | 9          | 80-4618044                           | 2           | Gasket              |
|          | 10         | 012-016-25-2-2 ГОСТ 18829-73/9833-73 | 2           | Ring                |
|          | 11         | 60105(80105) ГОСТ 7242-81            | 2           | Bearing             |
|          | 12         | C47 ГОСТ 13943-86                    | 2           | Ring                |
|          | 13         | 85-4618045                           | 1           | Lever               |
|          | 14         | B.M5-6gx10.58.019 ГОСТ 17473-80      | 1           | Screw               |
|          |            | 5T OCT 37.001.115-75                 | 1           | Washer              |
|          | 15         | 941/12 ГОСТ 4060-78                  | 4           | Bearing             |
|          | 16         | 85-4618014                           | 2           | Bush                |
|          | 17         | 85-4618013                           | 1           | Roller              |
| 18       | 85-4618021 | 1                                    | Stop        |                     |
| 19       | 85-4618020 | 1                                    | Lever       |                     |
| 20       | 80-4618034 | 1                                    | Rocking arm |                     |

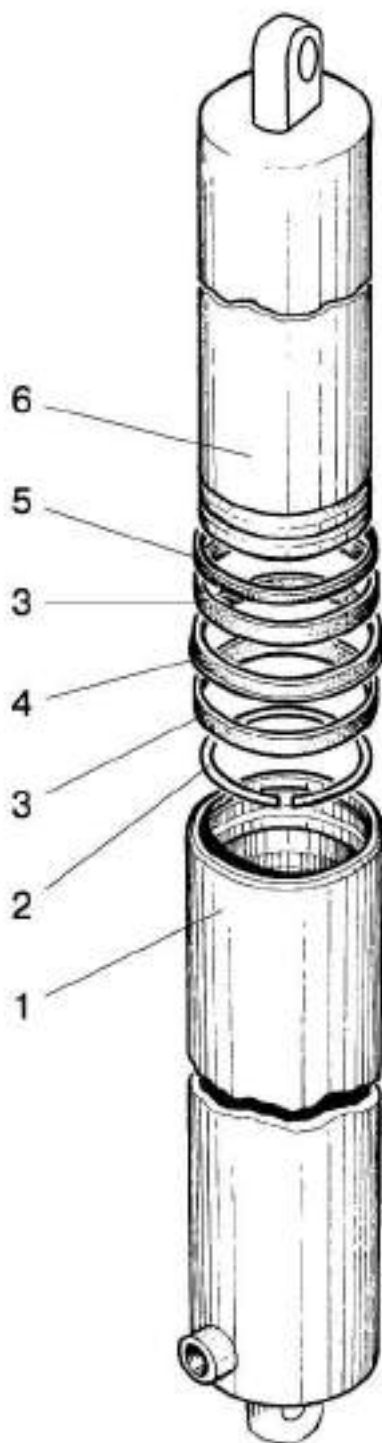


Fig.46.29. Hydraulic lift cylinder

**Subgroup 4625. Hydraulic lift cylinder**

| Fig. No. | Pos. No. | Designation                          | Q-ty | Description             |
|----------|----------|--------------------------------------|------|-------------------------|
| 46.29    |          | 820-4625010-Б or<br>(820E-4625010-Б) | 1    | Cylinder assembly (1-6) |
|          | 1        | 820-4625020<br>(820E-4625020)        | 1    | Cylinder                |
|          | 2        | 820-4625015<br>(820E-4625015)        | 1    | Locking ring            |
|          | 3        | DFI 80-85-9,5 Simrit<br>PF48         | 2    | Guide ring              |
|          | 4        | NI300 80-90-12<br>T94AU925           | 1    | Cuff                    |
|          | 5        | AUASOB 80-90-6,1-8,3<br>T94AU925     | 1    | Scraper                 |
|          | 6        | 820-4625014-Б<br>(820E-4625014-Б)    | 1    | Plunger                 |
|          |          | 820H-4625010-Б                       | 1    | Cylinder assembly (1-6) |
|          | 1        | 820H-4625020                         | 1    | Cylinder                |
|          | 2        | 820H-4625015                         | 1    | Ring                    |
|          | 3        | GR6900800-Z61                        | 2    | Guide                   |
|          | 4        | LI-CUP<br>RU 2300800 WUAQ3           | 1    | Cuff                    |
|          | 5        | DA22<br>WD-2200800 WUAQ3             | 1    | Scraper                 |
|          | 6        | 820H-4625014-Б                       | 1    | Plunger                 |

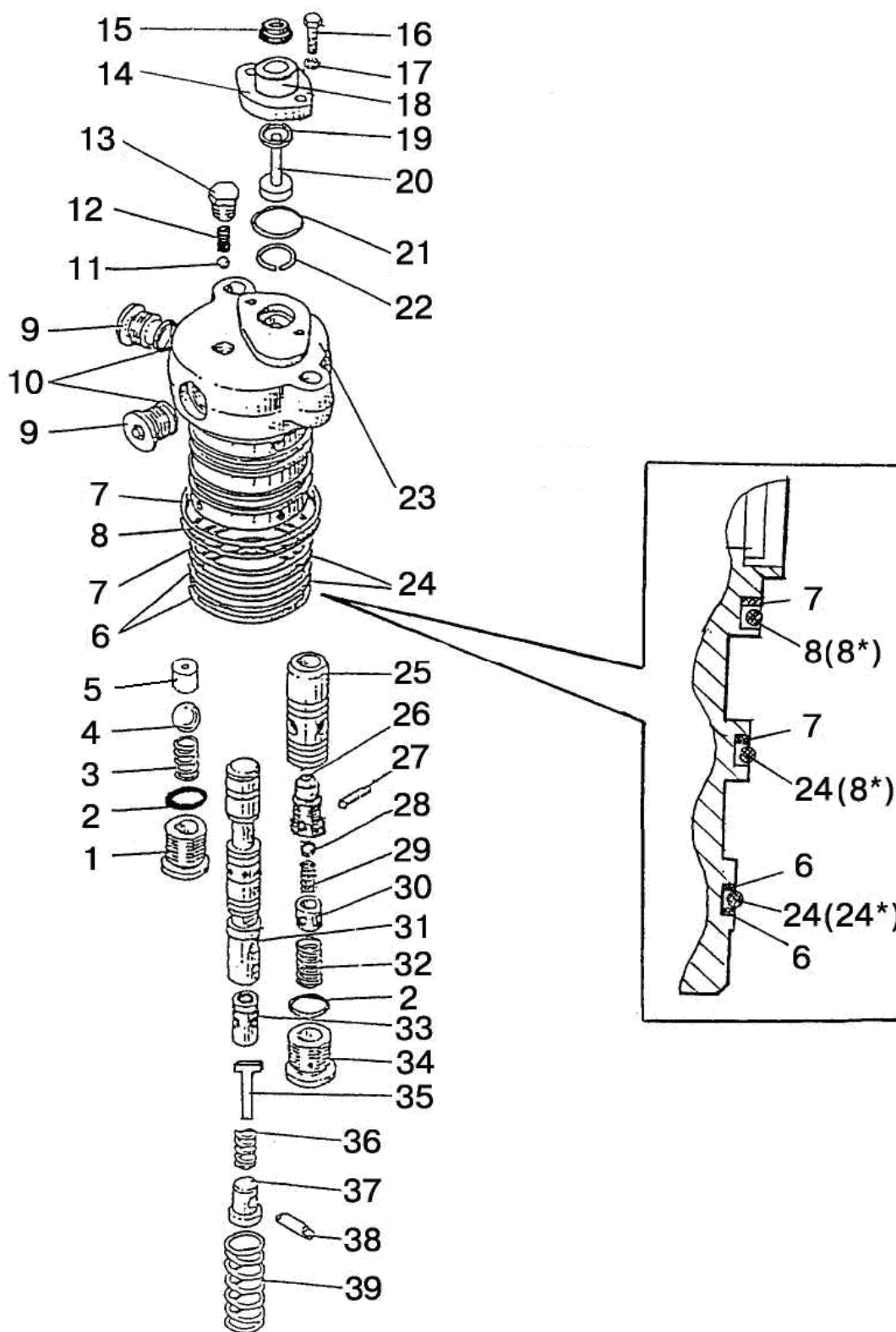


Fig.46.30. Hydraulic lift distributor



**Subgroup 4634. Hydraulic lift distributor**

| Fig. No. | Pos. No.      | Designation   | Q-ty   | Description   |
|----------|---------------|---|--------|---------------|
| 46.30    |               | 820-4634010   | 1      | Distributor   |
|          |               | 820-4634020A  | 1      | Valve (25-30) |
|          | 1             | 820-4634021   | 1      | Plug          |
|          | 2             | 017-020-19-2-6 ГОСТ 18829-73/9833-73<br>or 17,00-2,00 SIMRIT 72 NBR 872 | 2      | Ring          |
|          |               |   | 2      | Ring          |
|          | 3             | A61-072   | 1      | Spring        |
|          | 4             | 14,288-60 ГОСТ 3722-81  | 1      | Ball          |
|          | 5             | 820-4634017   | 1      | Seat          |
|          | 6             | 820-4634025A  | 2      | Ring          |
|          | 7             | 820-4634025-A-01  | 2      | Ring          |
|          | 8             | 068-072-25-2-6 ГОСТ 18829-73/9833-73<br>or 65,00-2.50 SIMRIT 72 NBR 872 | 2      | Ring          |
|          |               |   | 2      | Ring          |
|          | 9             | 820-4634022   | 2      | Plug          |
|          | 10            | 013-016-19-2-6 ГОСТ 18829-73/9833-73<br>or 13,00-2,00 SIMRIT 72 NBR 872 | 2      | Ring          |
|          |               |   | 2      | Ring          |
|          | 11            | 6,350-100 ГОСТ 3722-81  | 1      | Ball          |
|          | 12            | 80-4614058  | 1      | Spring        |
|          | 13            | КГ 1/8". A12.019 ТУ 23.1.506-91   | 1      | Plug          |
|          | 14            | 820-4634013-Б   | 1      | Cover         |
|          | 15            | 2-10 ГОСТ 24811-81  | 1      | Scraper       |
|          | 16            | M6-6gx16.88.35.019 ГОСТ 7798-70   | 2      | Bolt          |
|          | 17            | 6T OCT 37.001.115-75  | 2      | Washer        |
|          | 18            | 820-4634039   | 1      | Bush          |
|          | 19            | 010-014-25-2-2 ГОСТ 18829-73/9833-73                                    | 1      | Ring          |
|          | 20            | 820-4634038   | 1      | Tappet        |
|          | 21            | 021-024-19-2-6 ГОСТ 18829-73/9833-73<br>or 21,00-2,00 SIMRIT 72 NBR 872 | 1      | Ring          |
|          |               |   | 1      | Ring          |
|          | 22            | 820-4634036   | 1      | Locking ring  |
|          | 23            | 820-46340111  | 1      | Body          |
|          | 24            | 064-068-25-2-6 ГОСТ 18829-73/9833-73<br>or 63,00-2.50 SIMRIT 72 NBR 872 | 2      | Ring          |
|          |               |   | 1      | Ring          |
|          | 25            | 820-4634014   | 1      | Valve         |
|          | 26            | 820-4634018-Б   | 1      | Seat          |
|          | 27            | 2.3x14 ГОСТ 3128-70   | 1      | Pin           |
|          | 28            | 5,556-60 ГОСТ 3722-81   | 1      | Ball          |
|          | 29            | P75-B3BP-082  | 1      | Spring        |
|          | 30            | 820-4634033   | 1      | Stop          |
|          | 31            | 820-4634012   | 1      | Sliding valve |
|          | 32            | 820-4634024   | 1      | Spring        |
| 33       | 820-4634026-Б | 1   | Valve  |               |
| 34       | 820-4634019   | 1   | Plug   |               |
| 35       | 820-4634037   | 1   | Stop   |               |
| 36       | 820-4634028   | 1   | Spring |               |
| 37       | 820-4634029   | 1   | Stop   |               |
| 38       | 820-4634027   | 1   | Pin    |               |
| 39       | 820-4634016   | 1   | Spring |               |

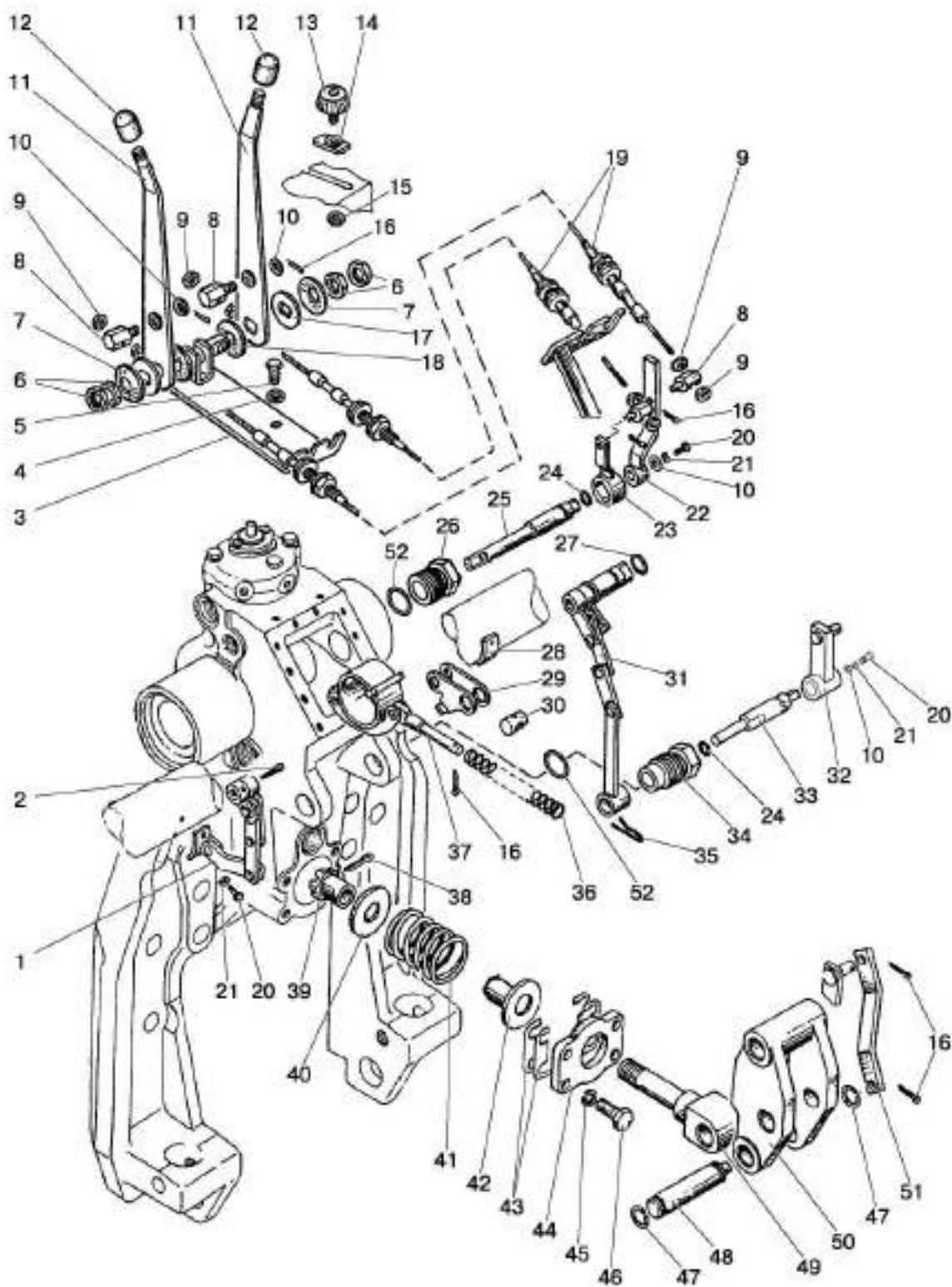


Fig.46.31. Hydraulic lift control

**Subgroup 4635. Hydraulic lift control**

| Fig. No. | Pos. No.                             | Designation                           | Q-ty    | Description                      |
|----------|--------------------------------------|---------------------------------------|---------|----------------------------------|
| 46.31    |                                      | 820-4635020A                          | 1       | Force sensor (38-42, 44, 49)     |
|          |                                      | 820-4635060                           | 1       | Adder stage (16, 29, 30, 36, 37) |
|          |                                      | 820-4635090-B                         | 1       | Bracket (3, 6,7, 11, 17)         |
|          | 1                                    | 820-4635025                           | 1       | Link                             |
|          | 2                                    | 3,2x25.019 ГОСТ 397-79                | 1       | Cotter pin                       |
|          | 3                                    | 820-4635095-B                         | 1       | Bracket                          |
|          | 4                                    | 8T OCT 37.001.115-75                  | 4       | Washer                           |
|          | 5                                    | M8-6gx20.88.35.019 ГОСТ 7796-70       | 4       | Bolt                             |
|          | 6                                    | M14x1,5-6H.6.019 ГОСТ 5915-70         | 4       | Nut                              |
|          | 7                                    | 80B-1108347                           | 2       | Disk spring                      |
|          | 8                                    | 80B-1108317                           | 4       | Boss                             |
|          | 9                                    | M6-6H.6.019 ГОСТ 5915-70              | 8       | Nut                              |
|          | 10                                   | C 6.01.019 ГОСТ 6958-78               | 4       | Washer                           |
|          | 11                                   | 820-4635100-B                         | 2       | Lever                            |
|          | 12                                   | A13.11.000                            | 2       | Handle                           |
|          | 13                                   | 80-4616070                            | 1       | Screw                            |
|          | 14                                   | 820-4635082                           | 1       | Stop                             |
|          | 15                                   | M6-6H.019 ТУ 23.1.505-91              | 1       | Nut                              |
|          | 16                                   | 3,2x18.019 ГОСТ 397-79                | 7       | Cotter pin                       |
|          | 17                                   | 80-1108028                            | 2       | Washer                           |
|          | 18                                   | 80-1108178                            | 2       | Friction washer                  |
|          | 19                                   | Morse 900 or<br>23.588.1.1.2.00.01-01 | 2       | Cable                            |
|          | 20                                   | M6-6gx16.88.35.019 ГОСТ 7798-70       | 6       | Bolt                             |
|          | 21                                   | 6T OCT 37.001.115-75                  | 6       | Washer                           |
|          | 22                                   | 820-4635080                           | 1       | Lever                            |
|          | 23                                   | 820-4635075                           | 1       | Lever                            |
|          | 24                                   | 011-015-25-2-4 ГОСТ 18829-73/9833-73  | 2       | Ring                             |
|          | 25                                   | 820-4635034                           | 1       | Roller                           |
|          | 26                                   | 820-4635033-B                         | 1       | Bush                             |
|          | 27                                   | 019-023-25-2-4 ГОСТ 18829-73/9833-73  | 1       | Ring                             |
|          | 28                                   | 820-4635046                           | 1       | Cramp                            |
|          | 29                                   | 820-4635070                           | 1       | Lever                            |
|          | 30                                   | 820-4635069                           | 1       | Catch                            |
|          | 31                                   | 820-4635030                           | 1       | Link                             |
|          | 32                                   | 820-4635015-B                         | 1       | Lever                            |
|          | 33                                   | 820-4635016-B                         | 1       | Roller                           |
|          | 34                                   | 820-4635032-B                         | 1       | Bush                             |
|          | 35                                   | 820-4635049                           | 1       | Cotter pin                       |
|          | 36                                   | 820-4635063                           | 1       | Spring                           |
|          | 37                                   | 820-4635065                           | 1       | Bracket                          |
|          | 38                                   | 4x22.019 ГОСТ 397-79                  | 1       | Cotter pin                       |
|          | 39                                   | 820-4635024                           | 1       | Nut                              |
|          | 40                                   | 820-4635023                           | 1       | Washer                           |
|          | 41                                   | 820-4635022                           | 1       | Spring                           |
|          | 42                                   | 820-4635026-B                         | 1       | Bush                             |
|          | 43                                   | 820-4635044-B                         | 4       | Gasket                           |
|          | 44                                   | 820-4635043-B                         | 1       | Cover                            |
|          | 45                                   | 12 OT OCT 37.001.115-75               | 4       | Washer                           |
|          | 46                                   | M12-6gx30.88.35.019 ГОСТ 7796-70      | 4       | Bolt                             |
|          | 47                                   | C22 ГОСТ 13940-86                     | 2       | Ring                             |
|          | 48                                   | 820-4635018                           | 1       | Pin                              |
|          | 49                                   | 820-4635021                           | 1       | Rod                              |
| 50       | 820-4635019                          | 1                                     | Shackle |                                  |
| 51       | 820-4635048                          | 1                                     | Rod     |                                  |
| 52       | 027-032-30-1-4 ГОСТ 18829-73/9833-73 | 2                                     | Ring    |                                  |

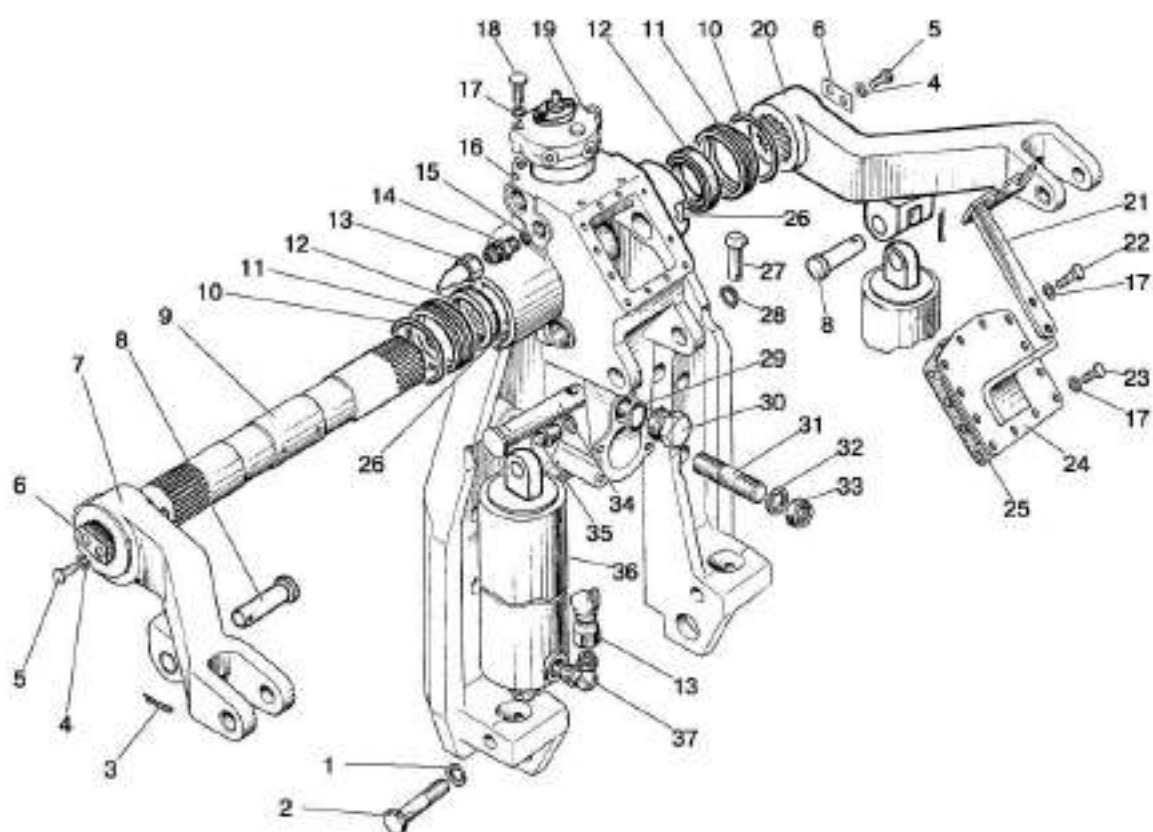


Fig.46.32. Hydraulic lift

**Subgroup 4635. Hydraulic lift**

| Fig. No. | Pos. No.    | Designation  | Q-ty        | Description     |
|----------|-------------|--|-------------|-----------------|
| 46.32    |             | 1221-4635010   | 1           | Hydraulic lift  |
|          | 1           | 16 OT OCT 37.001.115-75                              | 2           | Washer          |
|          | 2           | M16-6gx75.88.35.019 ГОСТ 7795-70                     | 2           | Bolt            |
|          | 3           | 5x36.019 ГОСТ 397-79                                 | 2           | Cotter pin      |
|          | 4           | 12 OT OCT 37.001.115-75                              | 4           | Washer          |
|          | 5           | M12-6gx30.88.35.019 ГОСТ 7796-70                     | 4           | Bolt            |
|          | 6           | 40-4605023-A2  | 2           | Washer          |
|          | 7           | 1221-4635013   | 1           | Lever left      |
|          | 8           | 1221-4635016   | 2           | Pin             |
|          | 9           | 1221-4635014   | 1           | Shaft           |
|          | 10          | 079-085-36-2-2 ГОСТ 18829-73/9833-73                 | 2           | Ring            |
|          | 11          | 820-4635091  | 2           | Cage            |
|          | 12          | BABSL 60-72-7 SIMRIT 72 NBR 902                      | 2           | Cuff            |
|          | 13          | 820-4635115  | 2           | Hose            |
|          | 14          | 820-4635083  | 2           | Connecting pipe |
|          | 15          | 012-015-19-2-4 ГОСТ 18829-73/9833-73                 | 2           | Ring            |
|          | 16          | 1221-4635011   | 1           | Casing          |
|          | 17          | 8T OCT 37.001.115-75                                 | 14          | Washer          |
|          | 18          | M8-6gx40.88.35.019 ГОСТ 7795-70                      | 2           | Bolt            |
|          | 19          | 820-4634010  | 1           | Distributor     |
|          | 20          | 1221-4635012   | 1           | Lever right     |
|          | 21          | 820-4635085  | 1           | Bracket         |
|          | 22          | M8-6gx30.88.35.019 ГОСТ 7796-70                      | 2           | Bolt            |
|          | 23          | M8-6gx20.88.35.019 ГОСТ 7796-70                      | 10          | Bolt            |
|          | 24          | 820-4635125  | 1           | Cover           |
|          | 25          | 820-4635039  | 1           | Gasket          |
|          | 26          | 820-4635088  | 4           | Bush            |
|          | 27          | A61.05.005   | 1           | Locking pin     |
|          | 28          | A61.05.004   | 1           | Ring            |
|          | 29          | 027-032-30-1-4 ГОСТ 18829-73/9833-73                 | 1           | Ring            |
|          | 30          | 80-4608021   | 1           | Choke           |
|          | 31          | M80-4616011  | 4           | Pin             |
|          | 32          | 20 OT OCT 37.001.115-75                              | 4           | Washer          |
|          | 33          | M20-6H.6.019 ГОСТ 5915-70                            | 4           | Nut             |
|          | 34          | A61.10.001   | 1           | Pin             |
|          | 35          | ПК КГ 3/8"   | 1           | Plug            |
|          | 36          | 820-4625010-Б or<br>820H-4625010-Б<br>820E-4625010-Б | 2           | Cylinder        |
| 37       | 820-4635084 | 2  | Angle piece |                 |



**Subgroup 4801. Differential lock control of the rear axle**

| Fig. No. | Pos. No.     | Designation                                 | Q-ty | Description                           |
|----------|--------------|---|------|---------------------------------------|
| 48.1     |              | 80-4801200-Б                                | 1    | Cock assembly (2, 7,8, 15, 16, 19-35) |
|          | 1            | 80-4801222-Б                                | 1    | Plug                                  |
|          | 2            | 80-4801211-Б                                | 1    | Cock body                             |
|          | 3            | 50-4607082-А                                | 2    | Bush                                  |
|          | 4            | 80-4802020                                  | 1    | Bracket                               |
|          | 5            | 12 OT OCT 37.001.115-75                     | 1    | Washer                                |
|          | 6            | 2.5x16.019 ГОСТ 397-79                      | 1    | Cotter pin                            |
|          | 7            | С 6.01.019 ГОСТ 6958-78                     | 3    | Washer                                |
|          | 8            | 6Т OCT 37.001.115-75                        | 3    | Washer                                |
|          | 9            | M6-6gx14.88.35.019 ГОСТ 7798-70             | 2    | Bolt                                  |
|          | 10           | 80-4803170                                  | 1    | Pedal                                 |
|          | 11           | M8-6gx16.88.35.019 ГОСТ 7796-70             | 2    | Bolt                                  |
|          | 12           | 8Т OCT 37.001.115-75                        | 4    | Washer                                |
|          | 13           | С 8.01.019 ГОСТ 11371-78                    | 4    | Washer                                |
|          | 14           | 70-4616033                                  | 1    | Spring                                |
|          | 15           | 50-3502068                                  | 1    | Spring                                |
|          | 16           | M6-6gx16.88.35.019 ГОСТ 7798-70             | 1    | Bolt                                  |
|          | 17           | 80-4801216-Б                                | 1    | Lever                                 |
|          | 18           | M8-6gx20.88.35.019 ГОСТ 7796-70             | 2    | Bolt                                  |
|          | 19           | 80-4803151                                  | 1    | Bracket                               |
|          | 20           | B.M5-6gx10.58.019 ГОСТ 17473-80             | 2    | Screw                                 |
|          | 21           | 5Т OCT 37.001.115-75                        | 2    | Washer                                |
|          | 22           | С 5.01.019 ГОСТ 11371-78                    | 6    | Washer                                |
|          | 23           | 80-4801217-Б                                | 1    | Stop                                  |
|          | 24           | 80-4801213-Б                                | 1    | Valve                                 |
|          | 25           | 50-4609054                                  | 1    | Spring                                |
|          | 26           | 017-022-30-1-4 ГОСТ 18829-73/9833-73        | 1    | Ring                                  |
|          | 27           | 80-4801221-Б                                | 1    | Stop                                  |
|          | 28           | 80-4801223                                  | 1    | Guide                                 |
|          | 29           | 70-4609037                                  | 1    | Spring                                |
|          | 30           | 80-4801226                                  | 1    | Valve                                 |
|          | 31           | 80-4801212-Б                                | 1    | Cock slide                            |
|          | 32           | 012-016-25-2-4<br>ГОСТ 18829-73/OCT 9833-73 | 1    | Ring                                  |
|          | 33           | A13.38.002                                  | 1    | Liner                                 |
|          | 34           | 7,938-100 ГОСТ 3722-81                      | 1    | Ball                                  |
|          | 35           | 007-011-25-2-2 ГОСТ 18829-73/9833-73        | 1    | Ring                                  |
|          | 36           | 80-4801224                                  | 1    | Stop                                  |
| 37       | 80-4801214-Б | 1   | Plug |                                       |

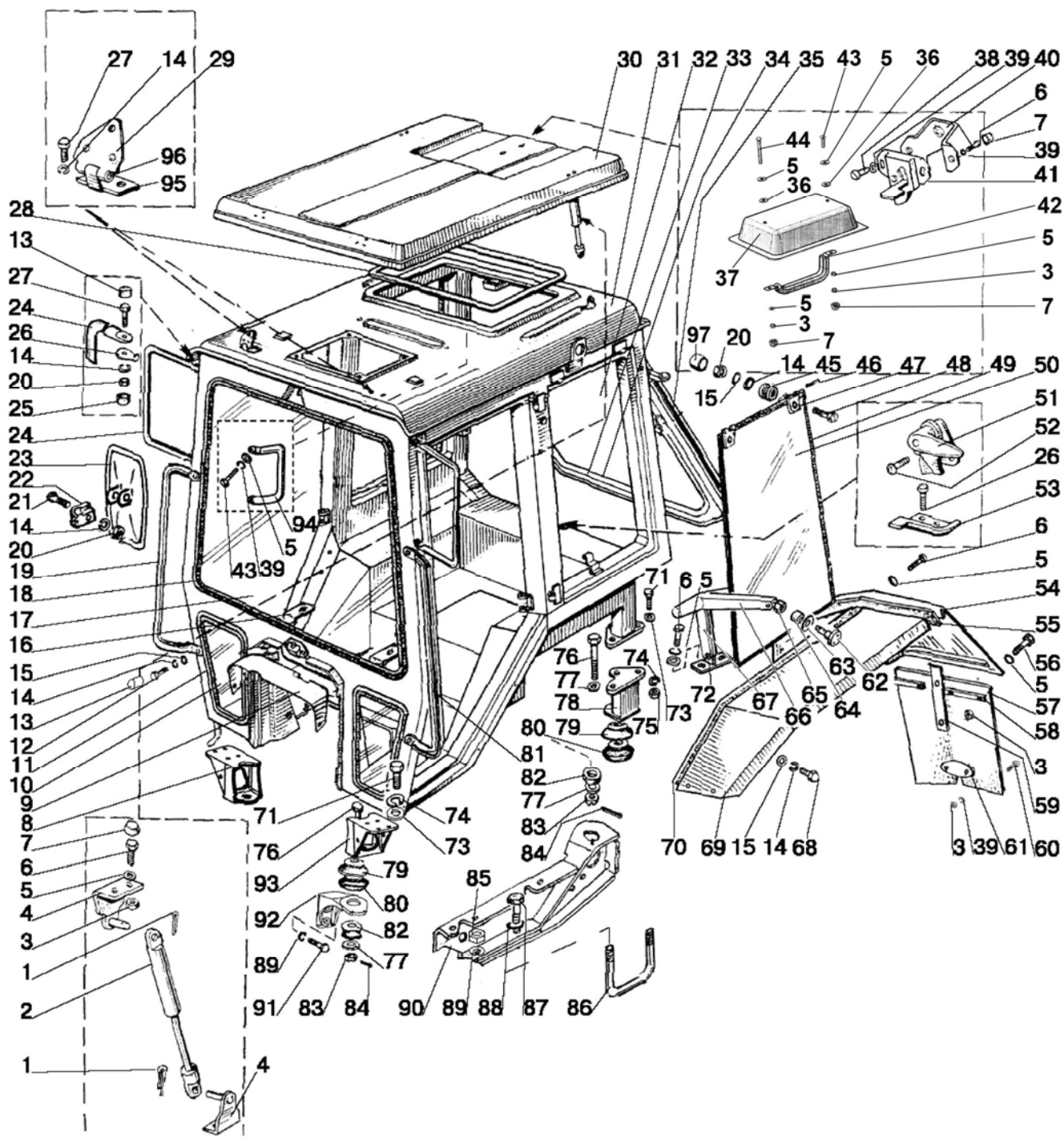


Fig. 67.1. Tractor cab. Rear fenders



**Group 67. Tractor cab  
Subgroup 6700. Tractor cab. Rear fenders**

| Fig. No. | Pos. No.   | Designation                      | Q-ty | Description                                |
|----------|------------|----------------------------------|------|--|
| 67.1     |            | 80-6700010-Б                     | 1    | Cab assembly                               |
|          |            | 80-6708210                       | 1    | Rear frame (32-35)                         |
|          |            | 80-6708900-03                    | 2    | Glass assembly (13, 14, 19, 24, 45, 47-50) |
|          | 1          | 3,2x18.019 ГОСТ 397-79           | 8    | Cotter pin                                 |
|          | 2          | 6700.01                          | 4    | Air-lift                                   |
|          | 3          | M6-6H.6.019 ГОСТ 5915-70         | 22   | Nut  |
|          | 4          | 80-6708225                       | 6    | Bracket                                    |
|          | 5          | C 6.01.019 ГОСТ 11371-78         | 20   | Washer                                     |
|          | 6          | M6-6gx20.88.35.019 ГОСТ 7798-70  | 28   | Bolt                                       |
|          | 7          | A30.04.017                       | 8    | Cap  |
|          | 8          | 80-6700031-Б-01                  | 1    | Right bracket                              |
|          | 9          | 85-6703056                       | 1    | Insert                                     |
|          | 10         | 80-6703012-A or<br>80-6703012-A1 | 2    | Glass                                      |
|          | 11         | A37.08.043                       | 2    | Seal                                       |
|          | 12         | M8-6gx20.88.35.019 ГОСТ 7796-70  | 4    | Bolt                                       |
|          | 13         | A30.04.017-01                    | 4    | Cap  |
|          | 14         | 8T OCT 37.001.115-75             | 26   | Washer                                     |
|          | 15         | C 8.01.019 ГОСТ 11371-78         | 24   | Washer                                     |
|          | 16         | 80-3805030                       | 2    | Bracket                                    |
|          | 17         | 80-6703011-A or<br>80-6703011-A1 | 1    | Glass                                      |
|          | 18         | A37.08.043-01                    | 1    | Seal L=4200 mm                             |
|          | 19         | 80-6703112-A                     | 1    | Right handrail                             |
|          | 20         | M8-6H.6.019 ГОСТ 5915-70         | 8    | Nut  |
|          | 21         | M8-6gx40.88.35.019 ГОСТ 7795-70  | 2    | Bolt                                       |
|          | 22         | A30.04.051                       | 2    | Clamp                                      |
|          | 23         | 80-8201050                       | 2    | Mirror assembly                            |
|          | 24         | 80-8201106-A                     | 2    | Pipe                                       |
|          | 25         | A30.04.017-02                    | 4    | Cap  |
|          | 26         | 80-8201107                       | 4    | Washer                                     |
|          | 27, 48     | M8-6gx30.88.35.019 ГОСТ 7796-70  | 8    | Bolt                                       |
|          | 28         | A37.08.040 or<br>A37.08.045      | 1    | Seal                                       |
|          | 29         | 80-6707010-Б                     | 2    | Loop                                       |
|          | 30         | 80-6707025-Б4                    | 1    | Roof assembly (plastic)                    |
|          | 31         | 80-6700020-Б-01                  | 1    | Cab (welded framework)                     |
|          | 32         | 80-6708211-A or<br>80-6708211-A1 | 1    | Glass                                      |
|          | 33         | 80-6708215                       | 1    | Frame                                      |
|          | 34         | A34.08.043-05                    | 1    | Seal                                       |
|          | 35         | 80-6700021-01                    | 1    | Seal                                       |
|          | 36         | 549A-1305044                     | 2    | Ring                                       |
|          | 37         | 80-6707082                       | 1    | Facing                                     |
|          | 38         | B.M6-6gx12.58.019 ГОСТ 17473-80  | 2    | Screw                                      |
|          | 39         | C 6.01.019 ГОСТ 6958-78          | 10   | Washer                                     |
|          | 40         | 80-6707075                       | 1    | Bracket                                    |
|          | 41         | A37.09.010                       | 1    | Latch                                      |
|          | 42         | 80-6707080                       | 1    | Handrail                                   |
|          | 43         | B.M6-6gx20.58.019 ГОСТ 17473-80  | 1    | Screw                                      |
|          | 44         | B.M5-6gx50.58.019 ГОСТ 17473-80  | 1    | Screw                                      |
|          | 45         | 80-6708903                       | 4    | Bush                                       |
|          | 46         | 8x65 OCT 37.001.163-75           | 4    | Pin  |
| 47       | 80-6708902 | 4                                | Loop |  |
| 49       | F-202      | 2                                | Seal |  |

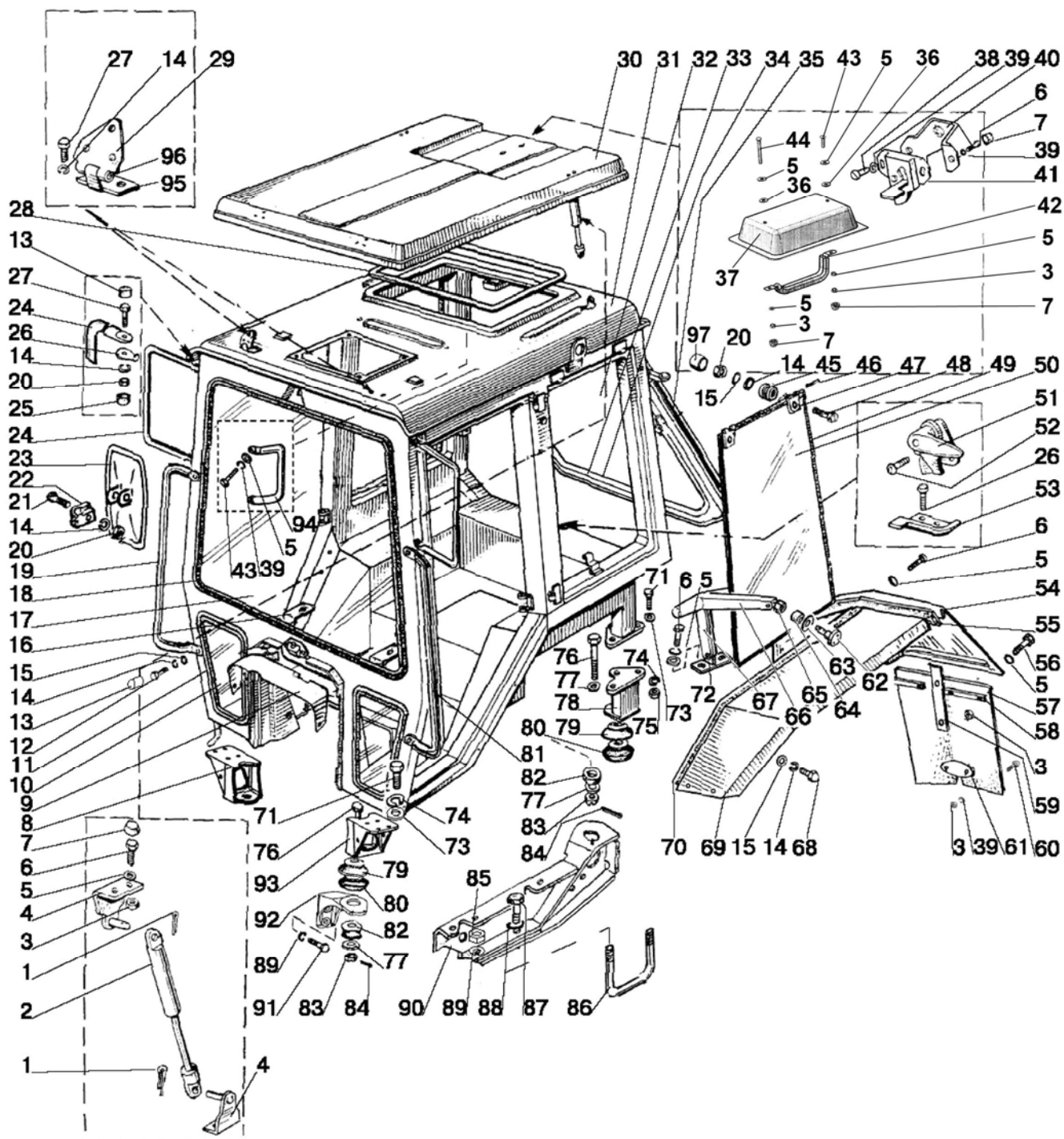


Fig. 67.1. Tractor cab. Rear fenders

**Group 67. Tractor cab  
Subgroup 6700. Tractor cab. Rear fenders**

| Fig. No.   | Pos. No.      | Designation                          | Q-ty          | Description         |
|------------|---------------|--------------------------------------|---------------|---------------------|
| 67.1       | 50            | 1221-6708901-A or<br>1221-6708901-A1 | 2             | Glass               |
|            | 51            | A37.05.025                           | 1             | Catch               |
|            | 52            | B.M6-6gx25.58.019 ГОСТ 17473-80      | 2             | Screw               |
|            | 53            | A37.05.021-Б                         | 1             | Bracket             |
|            | 54            | 80-8404020-Б                         | 1             | Flap                |
|            |               | 80-8404020-Б-01                      | 1             | Flap                |
|            | 55            | 80-8404014-A                         | 2             | Seal                |
|            | 56            | M6-6gx20.88.35.019 ГОСТ 7798-70      | 12            | Bolt                |
|            | 57            | 85-8404040-A                         | 2             | Splash guard        |
|            | 58            | 80-8404032                           | 4             | Plate               |
|            | 59            | 80-8404031-Б                         | 2             | Spring              |
|            | 60            | B.M6-6gx16.58.019 ГОСТ 17473-80      | 4             | Screw               |
|            | 61            | 80-8404034-A                         | 2             | Plate               |
|            | 62            | 80-6708975                           | 2             | Screw               |
|            | 63            | 80-6708904                           | 2             | Gasket              |
|            | 64            | A37.01.041                           | 2             | Bush                |
|            | 65            | A37.04.053                           | 2             | Nut                 |
|            | 66            | A37.04.051                           | 2             | Handle              |
|            | 67            | A37.04.052                           | 2             | Lever               |
|            | 68            | M8-6gx20.88.35.019 ГОСТ 7796-70      | 18            | Bolt                |
|            | 69            | 80-8404011-Б                         | 1             | Fender              |
|            |               | 80-8404011-Б-01                      | 1             | Fender              |
|            | 70            | 80-8404013-A                         | 2             | Seal                |
|            | 71            | M12-6gx35.88.35.019 ГОСТ 7796-70     | 14            | Bolt                |
|            | 72            | A37.04.050                           | 2             | Bracket             |
|            | 73            | C 12.01.019 ГОСТ 11371-78            | 6             | Washer              |
|            | 74            | 12 OT OCT 37.001.115-75              | 6             | Washer              |
|            | 75            | M12-6H.6.019 ГОСТ 5915-70            | 6             | Nut                 |
|            | 76            | 80-6700029                           | 4             | Bolt                |
|            | 77            | C 16.01.019 ГОСТ 11371-78            | 12            | Washer              |
|            | 78            | 80-6700037-Б                         | 1             | Left support        |
|            |               | 80-6700037-Б-01                      | 1             | Right support       |
|            | 79            | 80-6700163                           | 4             | Fixture             |
|            | 80            | 80-6700160                           | 4             | Vibration insulator |
|            | 81            | 80-6703112-A                         | 1             | Handrail left       |
|            | 82            | 130-5001364-B                        | 4             | Cushion             |
|            | 83            | M16-6H.6.019 ГОСТ 5915-70            | 4             | Nut                 |
|            | 84            | 4x36.019 ГОСТ 397-79                 | 4             | Cotter pin          |
|            | 85            | M18x1,5-6H.6.019 ГОСТ 5915-70        | 4             | Nut                 |
|            | 86            | 80-6702022                           | 2             | Clamp (variant)     |
|            | 87            | M20x75                               | 4             | Bolt (variant)      |
|            | 88            | 20 OT OCT 37.001.115-75              | 4             | Washer              |
|            | 89            | 18 OT OCT 37.001.115-75              | 4             | Washer              |
|            | 90            | 70-6702300-01                        | 1             | Right bracket       |
|            |               | 70-6702300-02                        | 1             | Left bracket        |
|            | 91            | M16-6gx45.88.35.019 ГОСТ 7796-70     | 6             | Bolt                |
|            | 92            | 80-6702068                           | 1             | Left bracket        |
| 80-6702069 |               | 1                                    | Right bracket |                     |
| 93         | 80-6700031-Б  | 1                                    | Left bracket  |                     |
| 94         | 80-6708209    | 1                                    | Handle        |                     |
| 95         | 80-6707013    | 2                                    | Loop          |                     |
| 96         | 70-6708189    | 2                                    | Shaft         |                     |
| 97         | A30.04.017-02 | 4                                    | Cap           |                     |

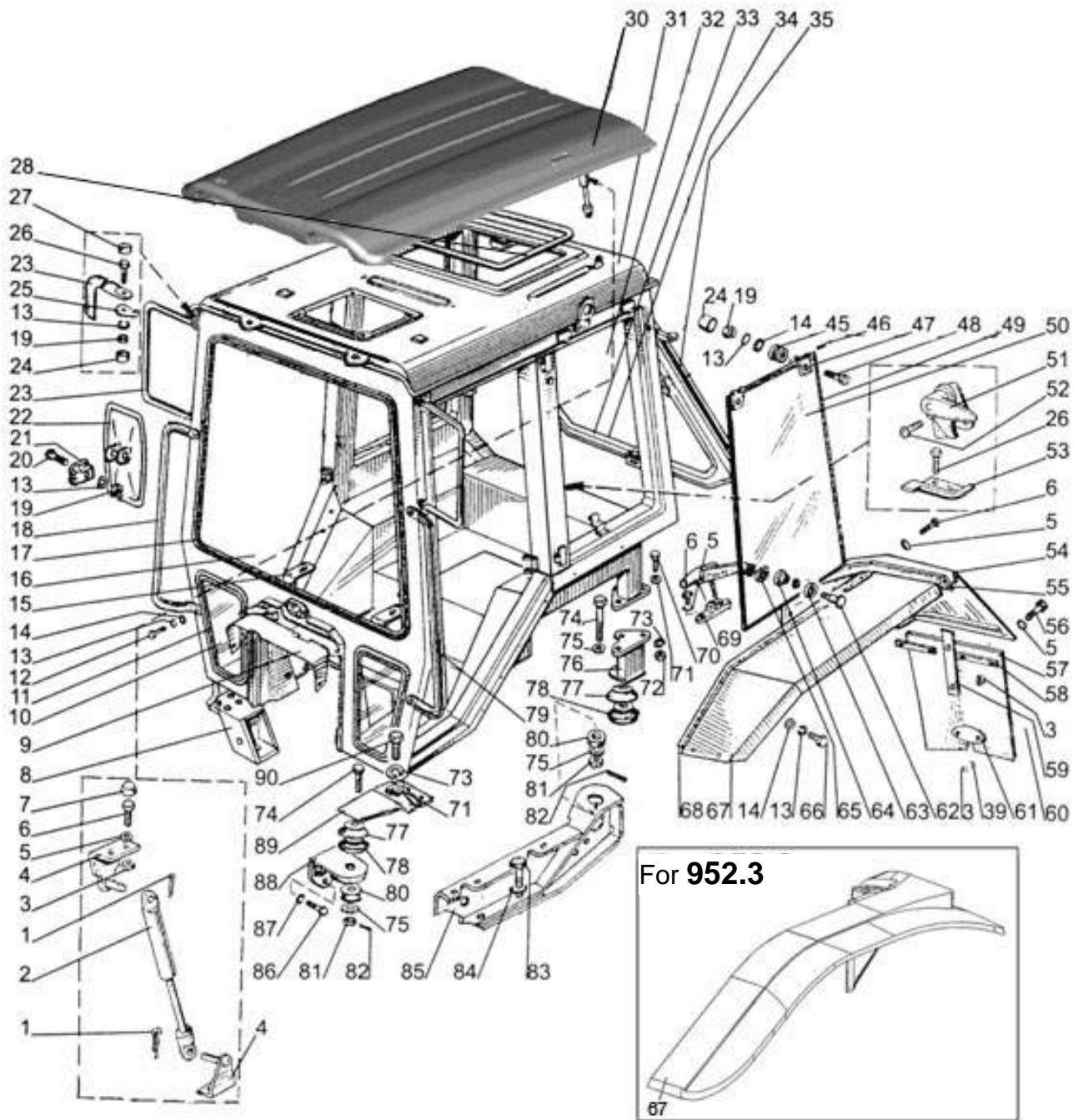


Fig.67.2. Tractor cab. Rear fenders

**Group 67. Tractor cab  
Subgroup 6700. Tractor cab. Rear fenders**

| Fig. No. | Pos. No. | Designation                          | Q-ty   | Description                                |
|----------|----------|--------------------------------------|--------|--|
| 67.2     |          | 80-6708210                           | 1      | Rear frame (32-35)                         |
|          |          | 80-6708900/-01                       | 1/1    | Glass assembly (13, 14, 19, 24, 45, 47-50) |
|          | 1        | 3,2x18.019 ГОСТ 397-79               | 10     | Cotter pin                                 |
|          | 2        | 21054                                | 4      | Air-lift                                   |
|          | 3        | M6-6H.6.019 ГОСТ 5915-70             | 22     | Nut  |
|          | 4        | 80-6708225                           | 6      | Bracket                                    |
|          | 5        | C 6.01.016 ГОСТ 11371-78             | 24     | Washer                                     |
|          | 6        | M6-6gx16.88.35.019 ГОСТ 7798-70      | 32     | Bolt                                       |
|          | 7        | A30.04.017                           | 10     | Cap  |
|          | 8        | 80-6700031-Б-01                      | 1      | Right bracket                              |
|          | 9        | 85-6703056                           | 1      | Insert                                     |
|          | 10       | 80-6703012-A or<br>80-6703012-A1     | 2      | Glass                                      |
|          | 11       | A37.08.043 or<br>A37.08.043-01       | 2<br>1 | Seal<br>Seal                               |
|          | 12       | M8-6gx25.88.35.019 ГОСТ 7796-70      | 4      | Bolt                                       |
|          | 13       | 8T OCT 37.001.115-75                 | 36     | Washer                                     |
|          | 14       | C 8.01.019 ГОСТ 11371-78             | 34     | Washer                                     |
|          | 15       | 80-3805030                           | 2      | Bracket                                    |
|          | 16       | 80-6703011-A or<br>80-6703011-A1     | 1      | Glass                                      |
|          | 17       | 80-6700018                           | 1      | Seal L=4200 mm                             |
|          | 18       | 80-6703105-01                        | 1      | Right handrail                             |
|          | 19       | M8-6H.6.019 ГОСТ 5915-70             | 8      | Nut  |
|          | 20       | M8-6gx40.88.35.019 ГОСТ 7795-70      | 2      | Bolt                                       |
|          | 21       | A30.04.051                           | 2      | Clamp                                      |
|          | 22       | 80-8201055                           | 2      | Mirror                                     |
|          | 23       | 80-8201106                           | 2      | Pipe                                       |
|          | 24       | A30.04.017-02                        | 4      | Cap  |
|          | 25       | 80-8201107                           | 4      | Washer                                     |
|          | 26       | M8-6gx16.88.35.019 ГОСТ 7796-70      | 4      | Bolt                                       |
|          | 27       | A30.04.017-01                        | 10     | Cap  |
|          | 28       | A37.08.017                           | 1      | Seal                                       |
|          | 30       | Д82-6707005                          | 1      | Roof assembly                              |
|          | 31       | 80-6700020-Б                         | 1      | Cab (welded framework)                     |
|          | 32       | 80-6708211-A<br>80-6708211-A1        | 1      | Glass                                      |
|          | 33       | 80-6708215                           | 1      | Frame                                      |
|          | 34       | A37.08.043-05                        | 1      | Seal                                       |
|          | 35       | 80-6700021-01*                       | 1      | Seal                                       |
|          | 38       | B.M6-6gx12.58.019 ГОСТ 17473-80      | 2      | Screw                                      |
|          | 39       | 8T OCT 37.001.115-75                 | 14     | Washer                                     |
|          | 45       | 80-6708903                           | 4      | Bush                                       |
|          | 46       | 8x65 OCT 37.001.163-75               | 4      | Pin  |
|          | 47       | 80-6708902                           | 4      | Loop                                       |
|          | 48       | M8-6gx30.88.35.019 ГОСТ 7796-70      | 4      | Bolt                                       |
|          | 49       | Φ-202                                | 2      | Seal                                       |
|          | 50       | 1221-6708901-A or<br>1221-6708901-A1 | 2      | Glass                                      |
|          | 51       | A37.05.025                           | 1      | Catch                                      |
|          | 52       | B.M6-6gx25.58.019 ГОСТ 17473-80      | 2      | Screw                                      |
|          | 53       | A37.05.021                           | 1      | Bracket                                    |
|          | 54       | 80-8404020-Б<br>80-8404020-Б-01      | 1<br>1 | Flap left<br>Flap right                    |
|          | 55       | 80-8404014-A                         | 2      | Seal                                       |

\* Allowed substitution for 80-6700026-02

\*\* For 952.3

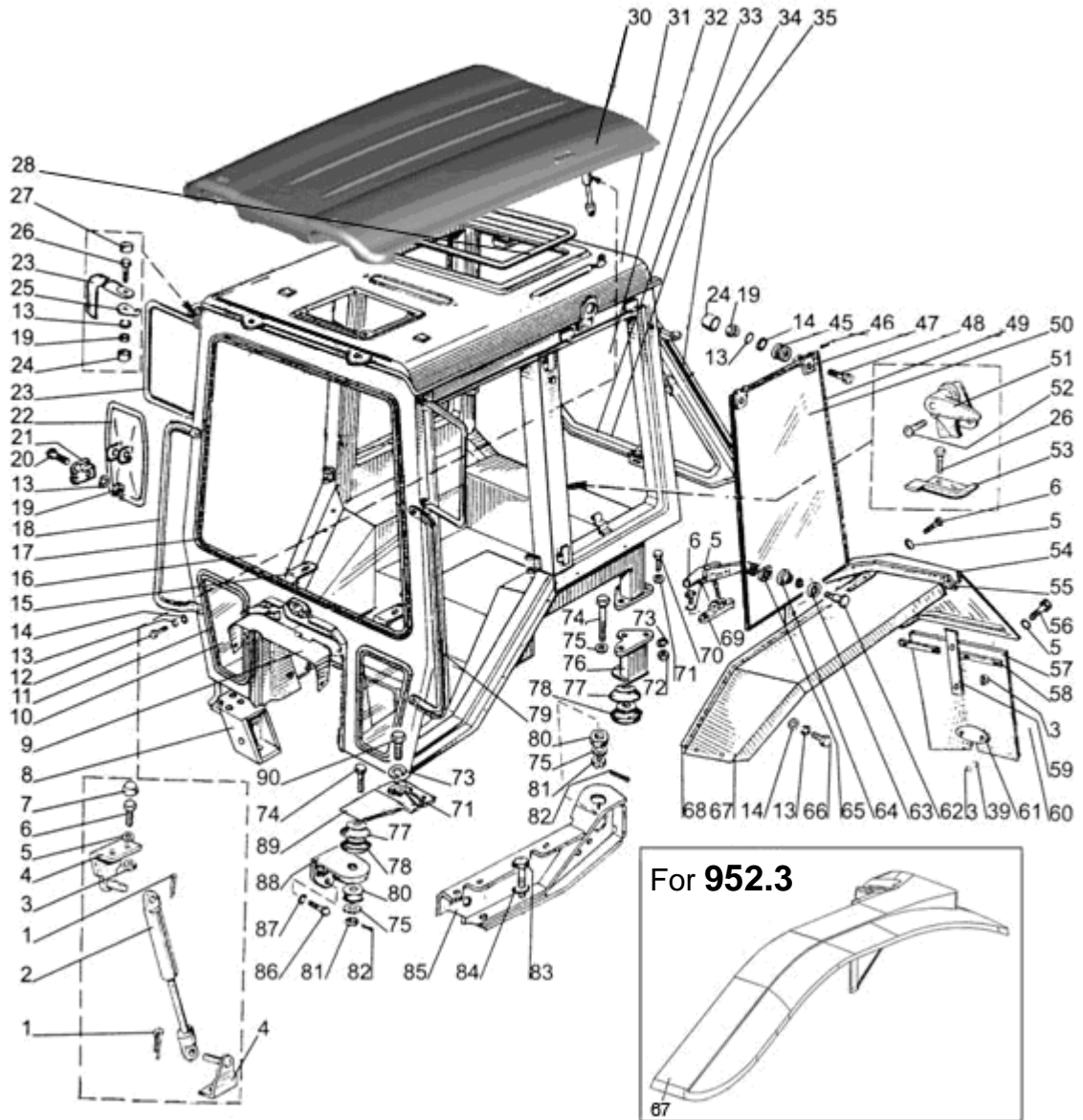


Fig.67.2. Tractor cab. Rear fenders

**Group 67. Tractor cab  
Subgroup 6700. Tractor cab. Rear fenders**

| Fig. No. | Pos. No.                         | Designation   | Q-ty          | Description         |
|----------|----------------------------------|---|---------------|---------------------|
| 67.2     | 56                               | M6-6gx25.88.35.019 ГОСТ 7798-70                               | 10            | Bolt                |
|          | 57                               | 85-8404040-A  | 2             | Splash guard        |
|          | 58                               | 80-8404032  | 4             | Plate               |
|          | 59                               | 80-8404031-Б  | 2             | Spring              |
|          | 60                               | B.M6-6gx16.58.019 ГОСТ 17473-80                               | 6             | Screw               |
|          | 61                               | 80-8404034-A  | 2             | Plate               |
|          | 62                               | 80-6708975  | 2             | Screw               |
|          | 63                               | 80-6708904  | 2             | Gasket              |
|          | 64                               | A37.01.041  | 2             | Bush                |
|          | 65                               | 80-6708961  | 4             | Washer              |
|          | 66                               | M8-6gx20.88.35.019 ГОСТ 7796-70                               | 22            | Bolt                |
|          | 67                               | Д82-8404020-A or<br>80-8404011-Б or<br>Д82-8404020            | 1             | Fender              |
|          |                                  | Д82-8404020-A-01 or<br>80-8404011-Б-01 or<br>Д82-8404020-01** | 1             | Fender              |
|          | 68                               | 80-8404013-A or<br>80-8404013-Б**                             | 2             | Seal                |
|          | 69                               | 80-6708970  | 2             | Handle              |
|          | 70                               | M12-6gx25.88.35.019 ГОСТ 7796-70                              | 6             | Bolt                |
|          | 71                               | C 12.01.019 ГОСТ 11371-78                                     | 6             | Washer              |
|          | 72                               | M12-6H.6.019 ГОСТ 5915-70                                     | 6             | Nut                 |
|          | 73                               | 12 OT OCT 37.001.115-75                                       | 6             | Washer              |
|          | 74                               | 80-6700029  | 4             | Bolt                |
|          | 75                               | 16 OT OCT 37.001.115-75                                       | 12            | Washer              |
|          | 76                               | 80-6700037-Б  | 1             | Left support        |
|          |                                  | 80-6700037-Б-01   | 1             | Right support       |
|          | 77                               | 80-6700163  | 4             | Fixture             |
|          | 78                               | 80-6700160  | 4             | Vibration insulator |
|          | 79                               | 80-6703105  | 1             | Handrail left       |
|          | 80                               | 130-5001364-B   | 4             | Cushion             |
|          | 81                               | M16-6H.6.019 ГОСТ 5918-73                                     | 4             | Nut                 |
|          | 82                               | 4x36.019 ГОСТ 397-79  | 4             | Cotter pin          |
|          | 83                               | M20x75  | 4             | Bolt                |
|          | 84                               | 20 OT OCT 37.001.115-75                                       | 4             | Washer              |
|          | 85                               | 1221-6702300  | 1             | Right bracket       |
|          |                                  | 1221-6702300-01   | 1             | Left bracket        |
| 86       | M16-6gx50.88.35.019 ГОСТ 7796-70 | 4   | Bolt          |                     |
| 87       | 16 OT OCT 37.001.115-75          | 6   | Washer        |                     |
| 88       | 80-6702068                       | 1   | Left bracket  |                     |
|          | 80-6702069                       | 1   | Right bracket |                     |
| 89       | 80-6700031-Б                     | 1   | Left bracket  |                     |
| 90       | M12-6gx35.88.35.019 ГОСТ 7796-70 | 8   | Bolt          |                     |

\*\* For 952.3

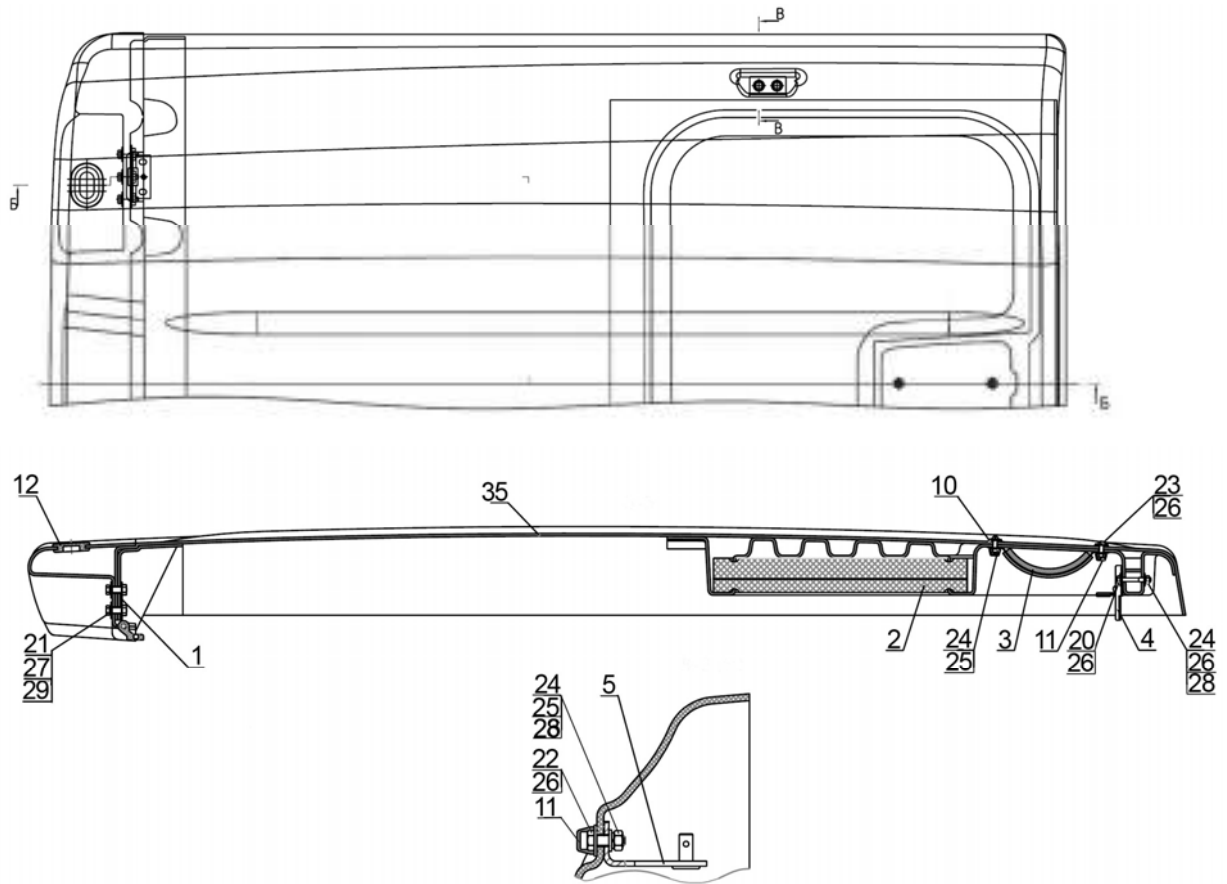


Fig. 67.3. Roof

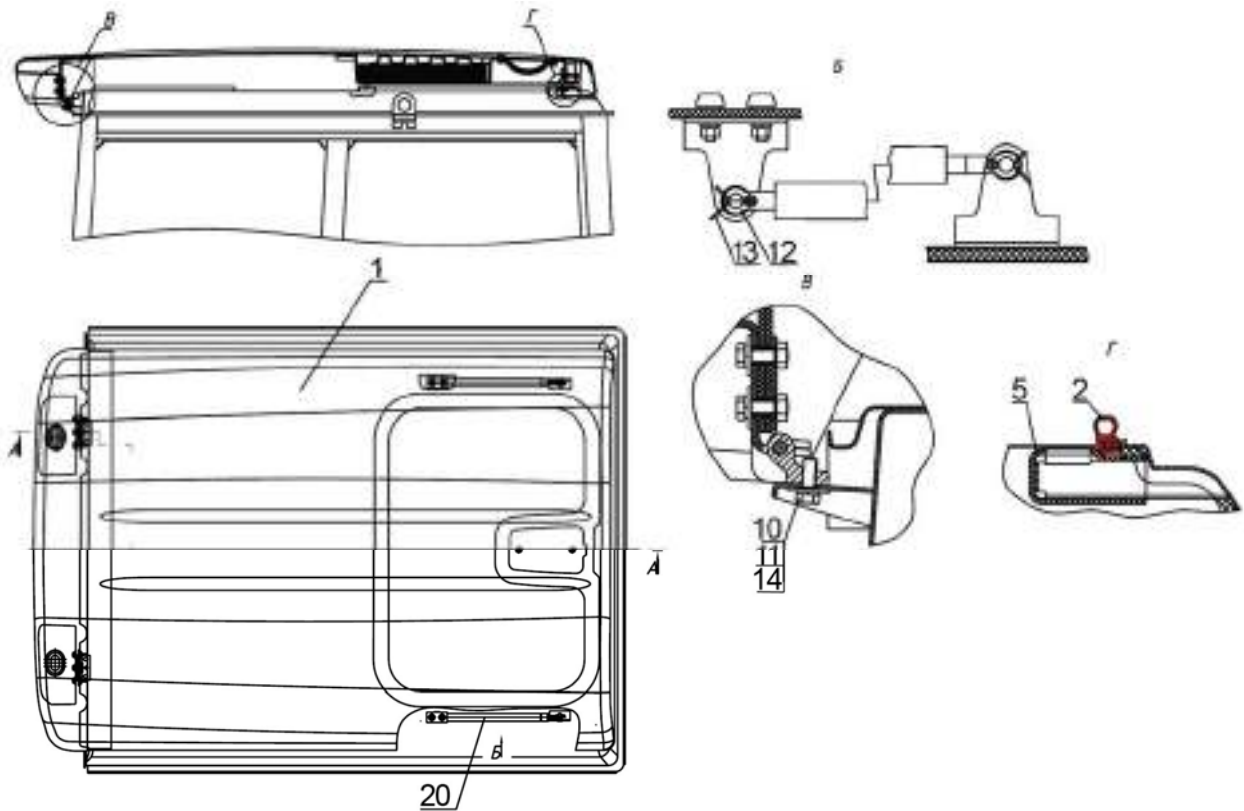


Fig.67.4. Roof



**Group 67. Tractor cab**

**Subgroup 6700. Roof**

| Fig. No. | Pos. No.    | Designation                     | Q-ty | Description |
|----------|-------------|---------------------------------|------|-------------|
| 67.3     | 1           | 80-6707020-01                   | 2    | Hinge       |
|          | 2           | Д82-6707030                     | 1    | Upholstery  |
|          | 3           | 80-6707080                      | 1    | Handrail    |
|          | 4           | A37.09.010                      | 1    | Latch       |
|          | 5           | 80-6708225                      | 2    | Bracket     |
|          | 10          | 549A-1305044                    | 2    | Ring        |
|          | 11          | A30.04.017                      | 6    | Cap         |
|          | 12          | 80x-8400026                     | 2    | Ring        |
|          | 20          | M6-6gx45.88.35.019 ГОСТ 7795-70 | 2    | Bolt        |
|          | 21          | M8-6gx25.88.35.019 ГОСТ 7796-70 | 6    | Bolt        |
|          | 22          | M6-6gx18.88.35.019 ГОСТ 7798-70 | 4    | Bolt        |
|          | 23          | M6-6gx25.88.35.019 ГОСТ 7798-70 | 2    | Bolt        |
|          | 24          | B.M6-6gx25.58.019 ГОСТ 17473-80 | 6    | Screw       |
|          | 25          | M6-6H.6.019 ГОСТ 5915-70        | 6    | Nut         |
|          | 26          | C 6.01.019 ГОСТ 11371-78        | 10   | Washer      |
|          | 27          | C 8.01.019 ГОСТ 11371-78        | 6    | Washer      |
|          | 28          | 6T OCT 37.001.115-75            | 6    | Washer      |
|          | 29          | 8T OCT 37.001.115-75            | 6    | Washer      |
| 35       | Д82-6707035 | 1                               | Roof |             |

**Group 67. Tractor cab**

**Subgroup 6700. Roof**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description |
|----------|----------|---------------------------------|------|-------------|
| 67.4     | 1        | Д82-6707025                     | 1    | Roof        |
|          | 2        | A37.08.045                      | 1    | Seal        |
|          | 5        | 80-6700027                      | 1    | Cover       |
|          | 10       | M8-6gx30.88.35.019 ГОСТ 7796-70 | 2    | Bolt        |
|          | 11, 12   | C 8.01.019 ГОСТ 11371-78        | 6    | Washer      |
|          | 13       | 3,2x18.019 ГОСТ 397-79          | 4    | Cotter pin  |
|          | 14       | 8T OCT 37.001.115-75            | 2    | Washer      |
|          | 20       | 6700.01                         | 2    | Air-lift    |

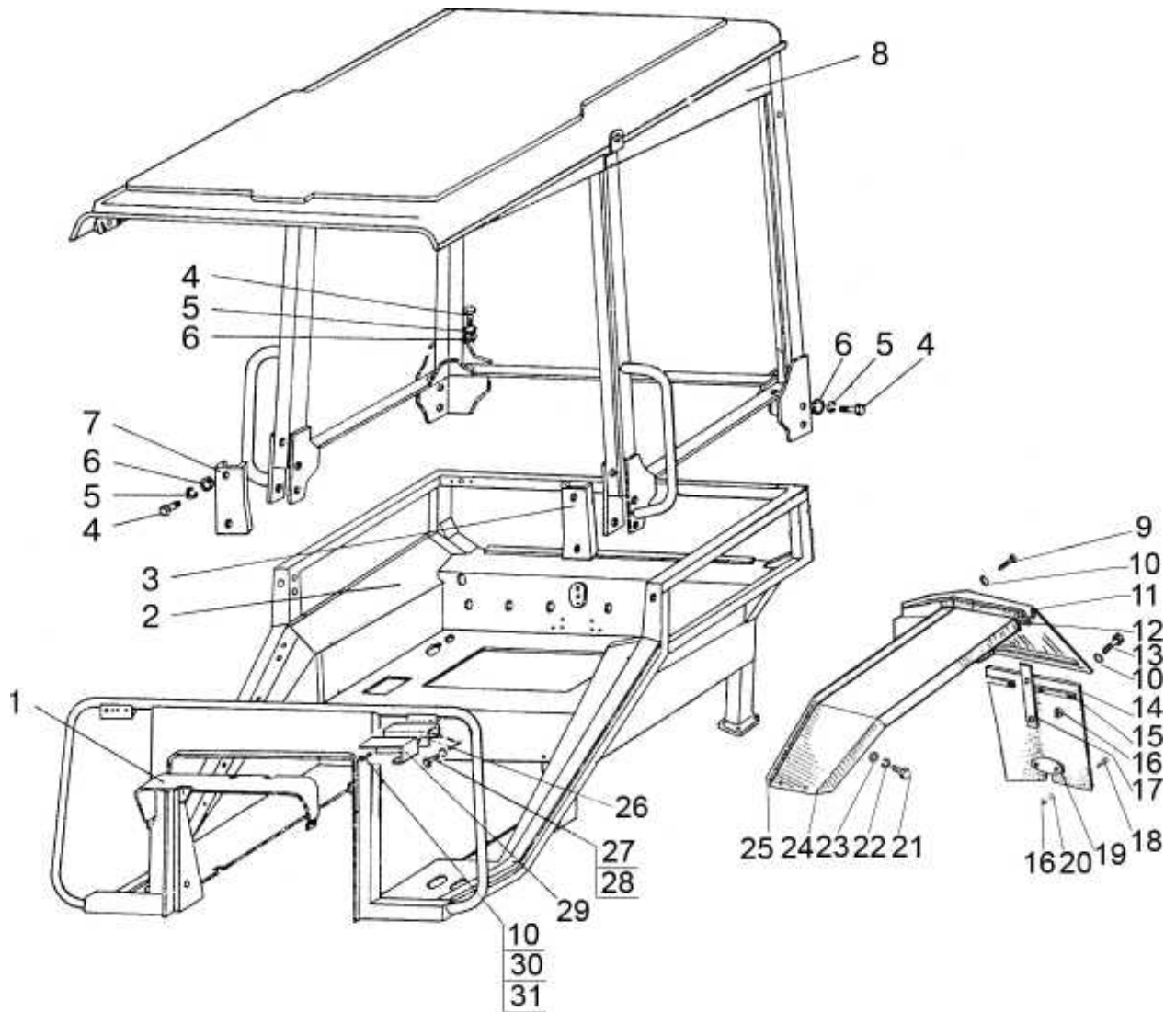


Fig. 67.5. Canopy framework. Base

**Group 67. Cab  
Subgroup 6700. Canopy framework. Base**

| <b>Fig. No.</b> | <b>Pos. No.</b>                 | <b>Designation</b>               | <b>Q-ty</b>   | <b>Description</b>                      |
|-----------------|---------------------------------|----------------------------------|---------------|---|
| 67.5            |                                 | 80-6700510                       | 1             | Canopy framework with the base assembly |
|                 | 1                               | 85-6703056                       | 1             | Insert                                  |
|                 | 2                               | 80-6702510                       | 1             | Base                                    |
|                 | 3                               | 80-6700511                       | 1             | Liner                                   |
|                 | 4                               | M12-6gx25.88.35.019 ГОСТ 7796-70 | 22            | Bolt                                    |
|                 | 5                               | 12 OT OCT 37.001.115-75          | 24            | Washer                                  |
|                 | 6                               | C 12.01.019 ГОСТ 11371-78        | 22            | Washer                                  |
|                 | 7                               | 80-6700511-01                    | 1             | Liner                                   |
|                 | 8                               | 80-6701505                       | 1             | Framework                               |
|                 | 9                               | M6-6gx16.88.35.019 ГОСТ 7798-70  | 10            | Bolt                                    |
|                 | 10                              | C 6.01.019 ГОСТ 11371-78         | 25            | Washer                                  |
|                 | 11                              | 80-8404020-Б                     | 1             | Flap                                    |
|                 |                                 | 80-8404020-Б-01                  | 1             | Flap                                    |
|                 | 12                              | 80-8404014-A                     | 2             | Seal                                    |
|                 | 13                              | M6-6gx25.88.35.019 ГОСТ 7798-70  | 10            | Bolt                                    |
|                 | 14                              | 85-8404040-A                     | 2             | Splash guard                            |
|                 | 15                              | 80-8404032                       | 2             | Plate                                   |
|                 | 16                              | M6-6H.6.019 ГОСТ 5915-70         | 22            | Nut                                     |
|                 | 17                              | 80-8404031-Б                     | 2             | Spring                                  |
|                 | 18                              | M6-6gx16.88.35.019 ГОСТ 7798-70  | 10            | Bolt                                    |
|                 | 19                              | 80-8404034-A                     | 2             | Plate                                   |
|                 | 20                              | A37.01 022                       | 6             | Washer                                  |
|                 | 21                              | M8-6gx20.88.35.019 ГОСТ 7796-70  | 18            | Bolt                                    |
|                 | 22                              | 8T OCT 37.001.115-75             | 18            | Washer                                  |
|                 | 23                              | C 8.01.019 ГОСТ 11371-78         | 18            | Washer                                  |
|                 | 24                              | 80-8404011-Б                     | 1             | Fender                                  |
|                 |                                 | 80-8404011-Б                     | 1             | Fender                                  |
|                 | 25                              | 80-8404013-A                     | 2             | Seal                                    |
|                 | 26                              | 85-3712041                       | 1             | Right bracket                           |
|                 |                                 | 85-3712041-01                    | 1             | Left bracket                            |
|                 | 27                              | M8-6gx14.88.35.019 ГОСТ 7796-70  | 4             | Bolt                                    |
| 28              | M8-6H.6.019 ГОСТ 5915-70        | 4                                | Nut           |   |
| 29              | 85-3712045                      | 1                                | Right bracket |   |
|                 | 85-3712045-01                   | 1                                | Left bracket  |   |
| 30              | B.M6-6gx18.58.019 ГОСТ 17473-80 | 4                                | Bandage       |   |
| 31              | 6T OCT 37.001.115-75            | 4                                | Washer        |   |

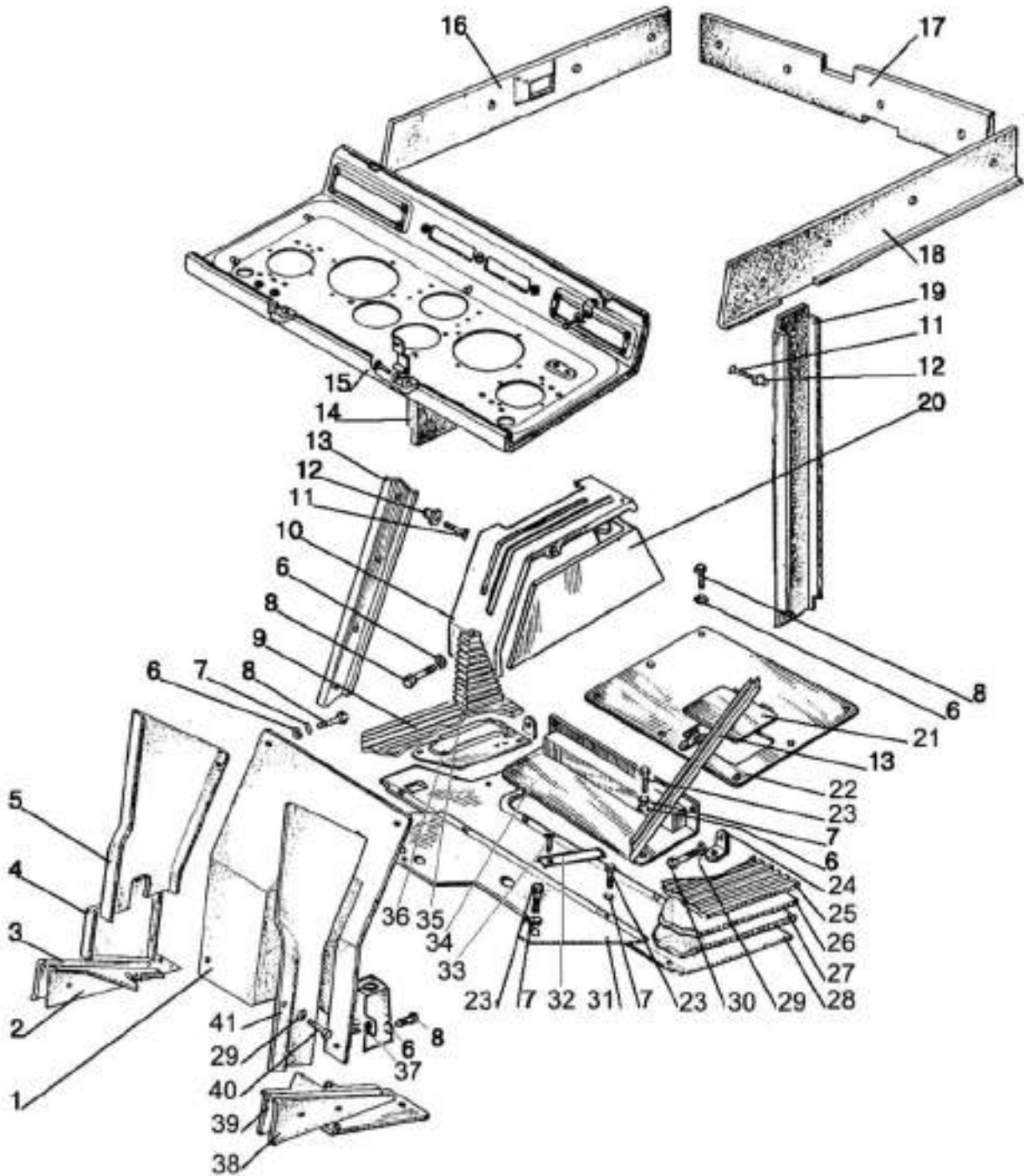


Fig. 67.6. Cab floor

**Group 67. Tractor cab  
Subgroup 6702. Cab floor**

| Fig. No. | Pos. No.                        | Designation                     | Q-ty   | Description                                      |
|----------|---------------------------------|---------------------------------|--------|--|
| 67.6     | 1                               | 80-6700300                      | 1      | Panel  |
|          | 2                               | 80-6702330                      | 1      | Liner  |
|          | 3                               | 80-6702328-01                   | 1      | Side piece                                       |
|          | 4                               | 85-6700330                      | 1      | Panel  |
|          | 5                               | 85-6700340                      | 1      | Panel  |
|          | 6                               | C 6.01.019 ГОСТ 11371-78        | 16     | Washer   |
|          | 7                               | 6T OCT 37.001.115-75            | 20     | Washer   |
|          | 8                               | M8-6gx25.88.35.019 ГОСТ 7796-70 | 14     | Bolt   |
|          | 9                               | 80-6702333-B2                   | 1      | Right mat  |
|          | 10                              | 85-6700036-B                    | 1      | Cover  |
|          | 11                              | 1-4x25.019 ГОСТ 1144-80         | 28     | Wood screw                                       |
|          | 12                              | A37.10.031                      | 28     | Boss   |
|          | 13                              | 80-6702111                      | 2      | Clamp  |
|          | 14                              | 1221-6700060-01                 | 1      | Liner  |
|          | 15                              | 80-8100100                      | 1      | Panel  |
|          | 16                              | 1221-6700065                    | 1      | Liner  |
|          | 17                              | 80-6700205                      | 1      | Liner  |
|          | 18                              | 1221-6700050                    | 1      | Liner  |
|          | 19                              | 1221-6700060                    | 1      | Liner  |
|          | 20                              | 85-6700040-B                    | 1      | Panel  |
|          | 21                              | 85-6702130-B                    | 1      | Panel  |
|          | 22                              | 80-6702190-B                    | 1      | Cover  |
|          | 23                              | 85-6702390-B                    | 1      | Cover  |
|          | 24                              | M6-6gx16.88.35.019 ГОСТ 7798-70 | 16     | Bolt   |
|          | 25                              | 70-6702111                      | 2      | Angle piece                                      |
|          | 26                              | 80-6702332                      | 1      | Left mat   |
|          | 27                              | 80-6702469-A                    | 1      | Gasket   |
|          | 28                              | 80-6702468-A                    | 1      | Gasket   |
|          | 29                              | 80-6702315-B                    | 1      | Panel  |
|          | 30                              | C 6.01.019 ГОСТ 11371-78        | 10     | Washer   |
|          | 31                              | M8-6gx16.88.35.019 ГОСТ 7796-70 | 4      | Bolt   |
|          | 32                              | 80-6702310                      | 1      | Bar  |
|          | 33                              | 80-6702348                      | 1      | Clamp left                                       |
|          |                                 | 80-6702348-01                   | 1      | Clamp right                                      |
|          | 34                              | B.M6-6gx12.58.019 ГОСТ 17473-80 | 4      | Screw  |
|          | 35                              | 80-6702085                      | 1      | Cover  |
|          | 36                              | 80-6702243 or<br>80П-6702270    | 1<br>1 | Boot (rubber)<br>Boot (vinyl artificial leather) |
|          | 37                              | 80-6702820                      | 1      | Liner (tractors with FDA)                        |
|          |                                 | 80-6702817                      | 1      | Liner (tractors without FDA)                     |
|          | 38                              | 80-6700370-B                    | 1      | Cover  |
|          | 39                              | 80-6702328                      | 1      | Side piece                                       |
|          | 40                              | 80-6702320                      | 1      | Liner  |
| 41       | M8-6gx40.88.35.019 ГОСТ 7795-70 | 2                               | Bolt   |  |
| 42       | 80-6700320                      | 1                               | Panel  |  |

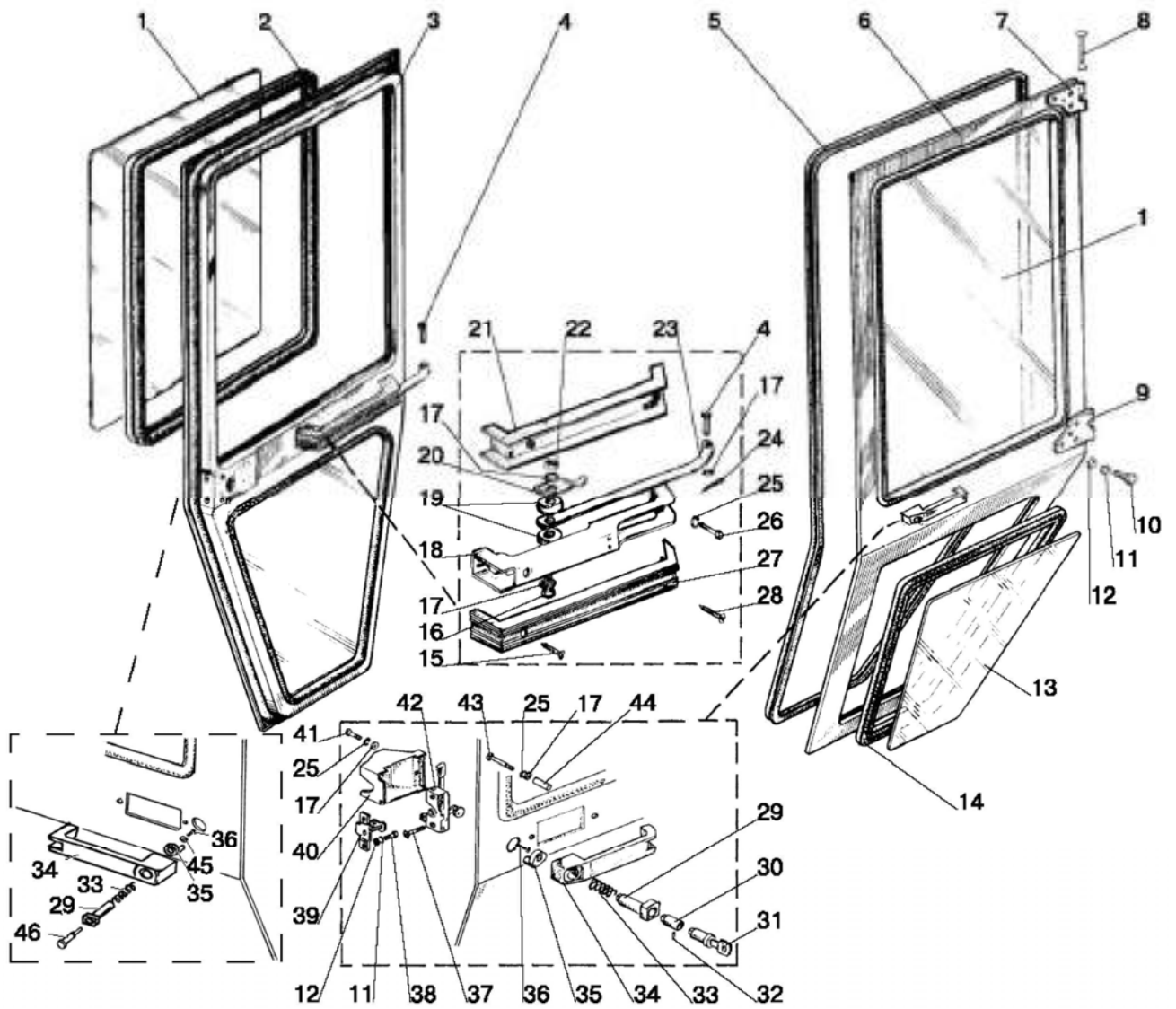


Fig. 67.7. Cab doors

**Group 67. Tractor cab  
Subgroup 6708. Cab doors**

| Fig. No. | Pos. No.                        | Designation                       | Q-ty       | Description                  |
|----------|---------------------------------|-----------------------------------|------------|------------------------------|
| 67.7     |                                 | 80-6708010-B                      | 1          | Left door (1, 2, 5-7, 9-14)  |
|          |                                 | 80-6708010-B-01                   | 1          | Right door (1-3, 5, 7, 9-14) |
|          |                                 | 80-6105300-A1                     |            | Left handle (29-36)          |
|          |                                 | 80-6105330-A1                     |            | Right handle (33-36, 45-47)  |
|          | 1                               | 80-6708013-A or<br>80-6708013-A1  | 2          | Glass                        |
|          | 2                               | A37.08.043-02                     | 2          | Seal L=2720 mm               |
|          | 3                               | 80-6708020-B-03                   | 1          | Right door                   |
|          | 4                               | 8x22 OCT 37.001.163-75            | 2          | Pin                          |
|          | 5                               | 80-6700021-A                      | 2          | Profile                      |
|          | 6                               | 80-6708020-B-02                   | 1          | Left door                    |
|          | 7                               | A37.03.022-B                      | 2          | Upper hinge                  |
|          | 8                               | 822-6700011-01                    | 10         | Pin                          |
|          |                                 | 5T OCT 37.001.115-75              | 10         | Washer                       |
|          | 9                               | A37.03.022-B-01                   | 2          | Lower hinge                  |
|          | 10                              | M8-6gx25.88.35.019 ГОСТ 7796-70   | 12         | Bolt                         |
|          | 11                              | 8T OCT 37.001.115-75              | 12         | Washer                       |
|          | 12                              | C 8.01.019 ГОСТ 11371-78          | 12         | Washer                       |
|          | 13                              | 80-6708014-A or<br>80-6708014-A   | 2          | Glass                        |
|          | 14                              | A37.08.043-03                     | 2          | Seal                         |
|          | 15                              | 1-4x40.019 ГОСТ 1144-80           | 2          | Wood screw                   |
|          | 16                              | M6-6gx35.88.35.019 ГОСТ 7798-70   | 2          | Bolt                         |
|          | 17                              | C 6.01.019 ГОСТ 11371-78          | 6          | Washer                       |
|          | 18                              | 80-6708610                        | 2          | Handrail                     |
|          | 19                              | 80-6708619                        | 4          | Buffer                       |
|          | 20                              | 80-6708618                        | 2          | Spring                       |
|          | 21                              | 80-6708602                        | 2          | Liner                        |
|          | 22                              | M6-6H.019 ТУ 23.1.505-91          | 2          | Nut                          |
|          | 23                              | 80-6708616                        | 2          | Lever                        |
|          | 24                              | 3,2x18.019 ГОСТ 397-79            | 2          | Cotter pin                   |
|          | 25                              | 6T OCT 37.001.115-75              | 6          | Washer                       |
|          | 26                              | M6-6gx16.88.35.019 ГОСТ 7798-70   | 2          | Bolt                         |
|          | 27                              | 80-6708603                        | 2          | Liner                        |
|          | 28                              | 1-4x25.019 ГОСТ 1144-80           | 2          | Wood screw                   |
|          | 29                              | 80-6105301-B                      | 2          | Button                       |
|          | 30                              | 80-6105304-B1                     | 1          | Bush                         |
|          | 31                              | 945.025.11.01.00                  | 1          | Cylinder mechanism           |
|          | 32                              | 2x11,8B3                          | 2          | Roller                       |
|          | 33                              | 80-6105302                        | 2          | Spring                       |
|          | 34                              | 80-6105305                        | 2          | Handle                       |
|          | 35                              | 80-6105303                        | 2          | Tappet                       |
|          | 36                              | 4x10.019 ТУ РБ 400024166.001-2000 | 2          | Wood screw                   |
|          | 37                              | B.M8-6gx25.58.019 ГОСТ 17475-80   | 4          | Screw                        |
|          | 38                              | M8-6gx16.88.35.019 ГОСТ 7796-70   | 4          | Bolt                         |
|          | 39                              | 80-6105170-B                      | 2          | Hook end                     |
|          | 40                              | 80-6708812                        | 1          | Left cover                   |
|          |                                 | 80-6708812-01                     | 1          | Right cover                  |
| 41       | B.M6-6gx16.58.019 ГОСТ 17475-80 | 2                                 | Screw      |                              |
| 42       | 80-6105050                      | 1                                 | Left lock  |                              |
|          | 80-6105050-01                   | 1                                 | Right lock |                              |
| 43       | B.M6-6gx45.58.019 ГОСТ 17473-80 | 2                                 | Screw      |                              |
| 44       | 80-6708813                      | 2                                 | Bush       |                              |
| 45       | C 4.01.019 ГОСТ 6958-78         | 2                                 | Washer     |                              |
| 46       | 80-6105331-B                    | 1                                 | Choke      |                              |



Fig.68.1. Operator seat



**Group 68. Driver seat  
Subgroup 6800. Operator seat**

| Fig. No. | Pos. No.                 | Designation                          | Q-ty   | Description |
|----------|--------------------------|--------------------------------------|--------|-------------|
| 68.1     |                          | 80-6800010                           | 1      | Seat (1-64) |
|          |                          | 80-6800010-01                        | 1      | Seat (1-64) |
|          |                          | "Grammer MSG85/721"*                 | 1      | Seat        |
|          | 1                        | 80B-6800108                          | 1      | Boot        |
|          | 2                        | A61.01.014                           | 1      | Handle      |
|          | 3                        | 80B-6801560                          | 1      | Base        |
|          | 4                        | 80B-6801240                          | 1      | Cable       |
|          | 5                        | B.M5-6gx16.58.019 ГОСТ 17473-80      | 2      | Screw       |
|          | 6                        | 70-4803023                           | 1      | Coupling    |
|          | 7                        | 80B-6801590-Б                        | 1      | Frame       |
|          | 8                        | 80B-6801521                          | 4      | Stop        |
|          | 9                        | 80B-6801512                          | 4      | Bush        |
|          | 10                       | K12x16x13E ГОСТ 24310-80             | 8      | Bearing     |
|          | 11                       | 80B-6801033-01                       | 2      | Washer      |
|          | 12                       | 80B-6801508                          | 1      | Axle        |
|          | 13                       | 80B-6801519                          | 2      | Foot        |
|          | 14                       | 80B-6801518                          | 2      | Liner       |
|          | 15                       | 80B-6801530-Б                        | 2      | Spring      |
|          | 16                       | 12 OT OCT 37.001.115-75              | 6      | Washer      |
|          | 17                       | M10-6H.04.019 ГОСТ 5919-73           | 6      | Nut         |
|          | 18                       | 80B-6801581                          | 2      | Pawl        |
|          | 19                       | 80B-6801570                          | 1      | Frame       |
|          | 20                       | 4x22.019 ГОСТ 397-79                 | 2      | Cotter pin  |
|          | 21                       | 80B-6801012                          | 1      | Axle        |
|          | 22                       | 80B-6801004-01                       | 1      | Hook        |
|          | 23                       | 80B-6801001                          | 1      | Bracket     |
|          | 24                       | 80B-6801003                          | 1      | Axle        |
|          | 25                       | 80B-6801004                          | 1      | Hook        |
|          | 26                       | 80B-6801002                          | 1      | Spring      |
|          | 27                       | 80B-6801507                          | 1      | Sector      |
|          | 28                       | 80B-6801033                          | 2      | Washer      |
|          | 29                       | 80B-6801506                          | 1      | Axle        |
|          | 30                       | 70-6801307                           | 5      | Washer      |
|          | 31                       | 80B-6801023                          | 1      | Nut         |
|          | 32                       | 80B-6801008                          | 1      | Washer      |
|          | 33                       | 3,0-100 ГОСТ 3722-81                 | 22     | Ball        |
|          | 34                       | 80B-6801152                          | 1      | Screw       |
|          | 35                       | 80-6801550                           | 1      | Panel       |
|          | 36                       | 80-6800104                           | 1      | Guide       |
|          | 37                       | 70-6804394-Б                         | 4      | Rod         |
|          | 38                       | 70-6804391                           | 4      | Roller      |
|          | 39                       | 010-015-30-2-3 ГОСТ 18829-73/9833-73 | 4      | Ring        |
|          | 40                       | 80-6800110-01                        | 1      | Rack        |
|          | 41                       | CT-154T.6800010                      | 1      | Seat        |
|          |                          | CT-154TM.6800010                     | 1      | Seat        |
|          | 42                       | M8-6gx20.88.35.019 ГОСТ 7796-70      | 11     | Bolt        |
|          | 43                       | 80B-6801031                          | 1      | Booster     |
|          | 44                       | B.M8-6gx25.58.019 ГОСТ 1491-80       | 4      | Screw       |
|          | 45                       | 8T OCT 37.001.115-75                 | 15     | Washer      |
| 46       | 80-6800110               | 1                                    | Rack   |             |
| 47       | C 8.01.019 ГОСТ 11371-78 | 10                                   | Washer |             |
| 48       | 80-6800120               | 1                                    | Guide  |             |
| 49       | 80-6800103               | 1                                    | Spring |             |

\* Optionally



Fig.68.1. Operator seat

**Group 68. Driver seat  
Subgroup 6800. Operator seat**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 68.1            | 50              | 80-6800102                      | 1           | Stop               |
|                 | 51              | 70-4202431-01                   | 2           | Pin                |
|                 | 52              | 80-6800101                      | 1           | Handle             |
|                 | 53              | 70-6801082                      | 1           | Handle             |
|                 | 54              | 80B-6801150                     | 1           | Handle             |
|                 | 55              | M8-6H.04.019 ГОСТ 5916-70       | 1           | Nut                |
|                 | 56              | 80-6801531                      | 6           | Buffer             |
|                 | 57              | 80-6809100-11                   | 1           | Shock-absorber     |
|                 | 58              | 80B-6801505                     | 1           | Roller             |
|                 | 59              | 80B-6801002-01                  | 1           | Spring             |
|                 | 60              | 80B-6801507-01                  | 1           | Sector             |
|                 | 61              | 80B-6801526                     | 4           | Bush               |
|                 | 62              | 80B-6801528                     | 6           | Axle               |
|                 | 63              | 80B-6801032                     | 4           | Roller             |
|                 | 64              | 80-6800006                      | 20          | Button             |
|                 | 65              | M8-6gx30.88.35.019 ГОСТ 7796-70 | 4           | Bolt               |
|                 | 66              | 80B-6807200                     | 1           | Bracket            |

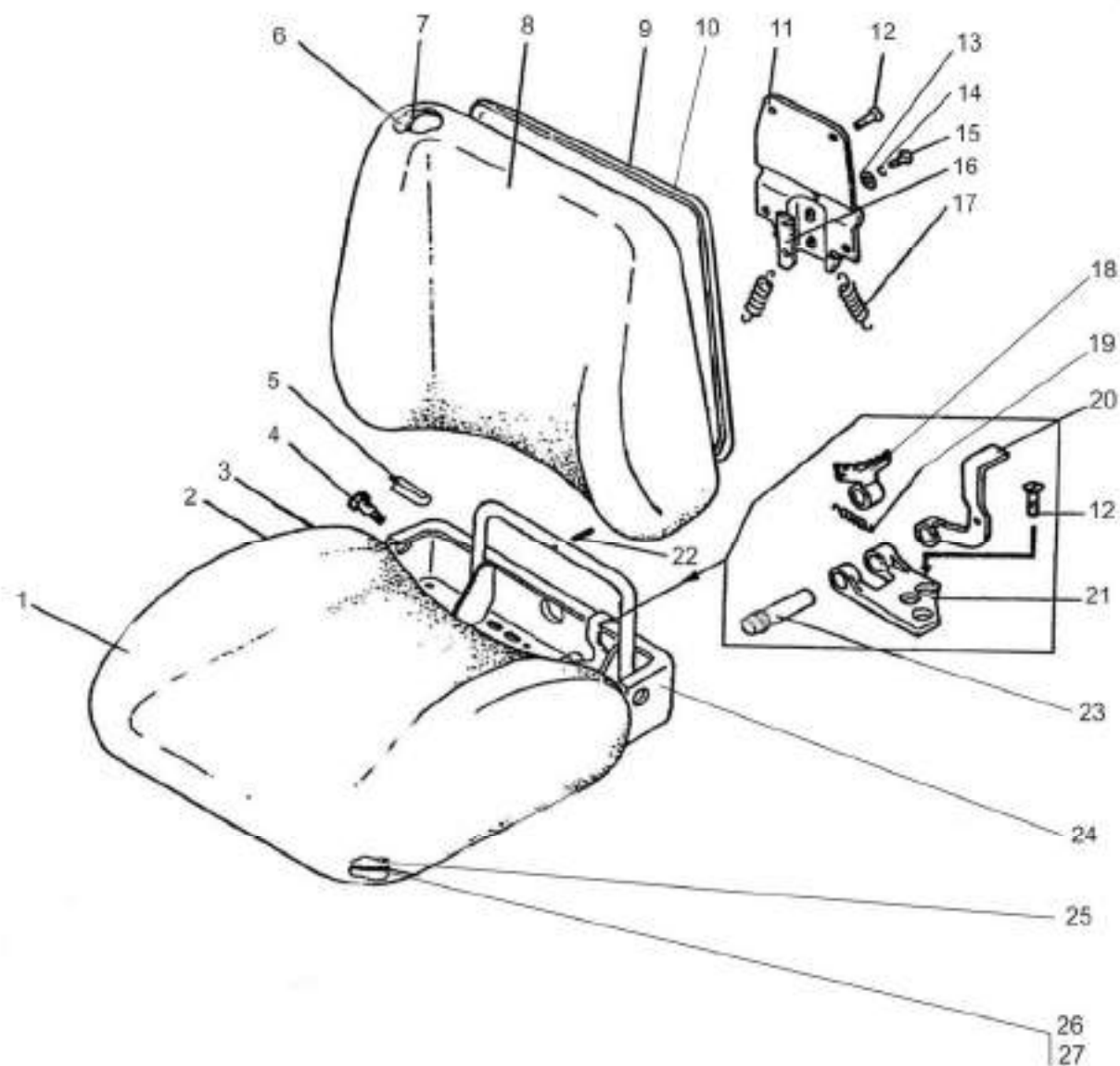


Fig.68.2. Operator seat.

**Group 68. Driver seat  
Subgroup 6804. Operator seat**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 68.2            |                 | 80B-6804000                     | 1           | Seat (1-27)        |
|                 | 1               | 80B-6804500                     | 1           | Boot               |
|                 | 2               | 80B-6804003                     | 1           | Rod                |
|                 | 3               | 80B-6804009                     | 1           | Axle               |
|                 | 4               | 80B-6800106                     | 2           | Bolt               |
|                 | 5               | 80B-6804015                     | 2           | Bush               |
|                 | 6               | 80B-6805001                     | 1           | Cushion            |
|                 | 7               | 80B-6805002                     | 1           | Frame              |
|                 | 8               | 80B-6805500                     | 1           | Boot               |
|                 | 9               | ППР26-04                        | 1           | Profile            |
|                 | 10              | 80B-6805010                     | 1           | Base               |
|                 | 11              | 80B-6804040                     | 1           | Support            |
|                 | 12              | B.M8-6gx16.58.019 ГОСТ 17475-80 | 7           | Screw              |
|                 | 13              | C 6.01.019 ГОСТ 11371-78        | 2           | Washer             |
|                 | 14              | 6T OCT 37.001.115-75            | 2           | Washer             |
|                 | 15              | M6-6gx14.88.35.019 ГОСТ 7798-70 | 2           | Bolt               |
|                 | 16              | 80B-6804001                     | 1           | Hook end           |
|                 | 17              | 80B-6804013-Б                   | 2           | Spring             |
|                 | 18              | 80B-6804011                     | 1           | Comb               |
|                 | 19              | 50-1310158-Б                    | 1           | Spring             |
|                 | 20              | 80B-6804080                     | 1           | Lever              |
|                 | 21              | 80-6708011                      | 1           | Loop               |
|                 | 22              | 4x25.019 ГОСТ 397-79            | 1           | Cotter pin         |
|                 | 23              | 70-6708189-01                   | 1           | Axle               |
|                 | 24              | 80B-6804020                     | 1           | Panel              |
|                 | 25              | 80B-6804007                     | 1           | Cushion            |
|                 | 26              | 80B-6804005                     | 1           | Frame              |
| 27              | ППР26-03        | 1                               | Profile     |                    |

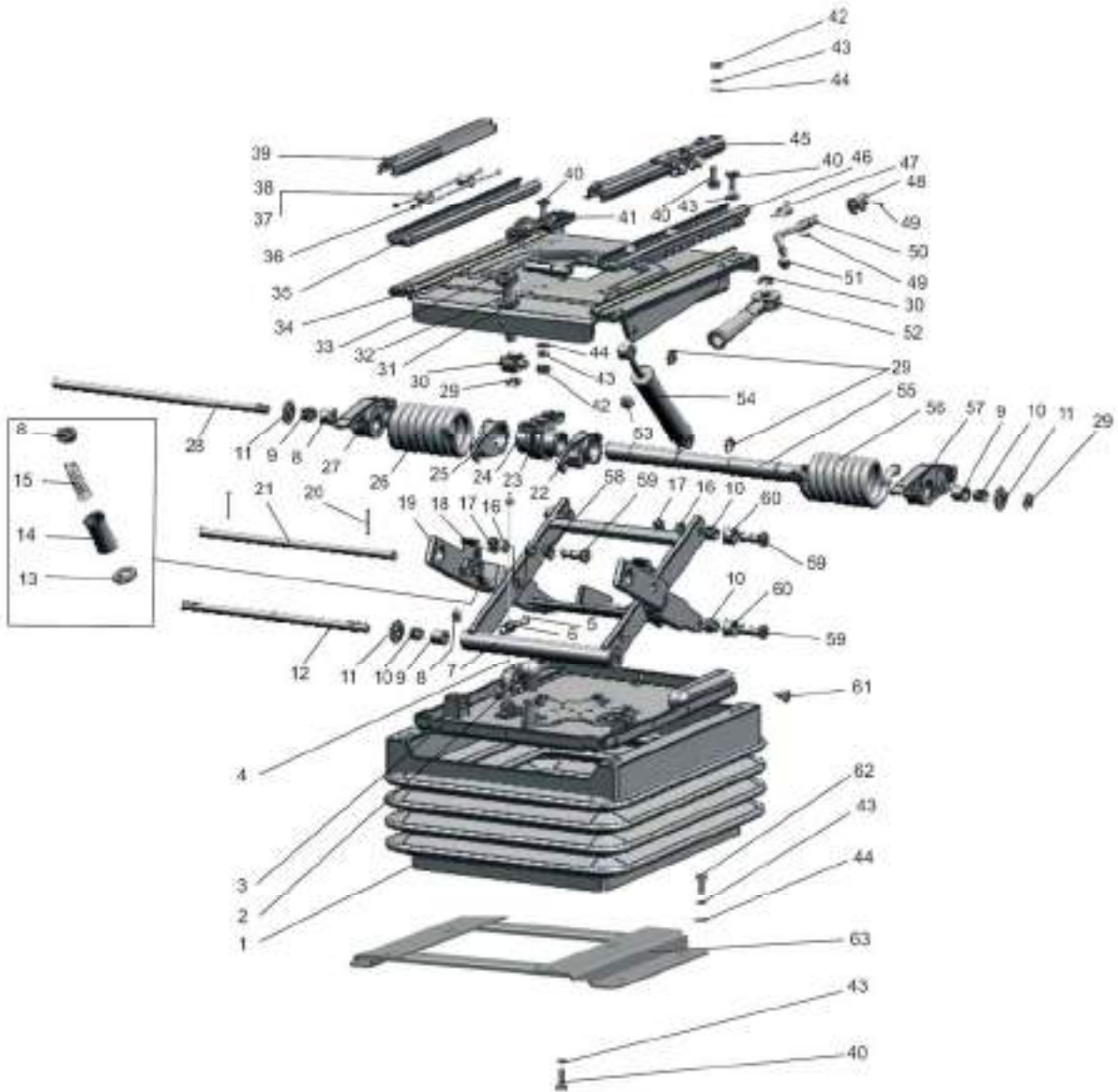


Fig.68.3. Seat suspension.

**Group 68. Driver seat  
Subgroup 6801. Seat suspension**

| Fig. No. | Pos. No.   | Designation                          | Q-ty   | Description |
|----------|------------|--------------------------------------|--------|-------------|
| 68.3     |            | 80-6801500                           | 1      | Suspension  |
|          | 1          | 80B-6800108                          | 1      | Boot        |
|          | 2          | A61.01.014                           | 1      | Handle      |
|          | 3          | 80B-6801560                          | 1      | Base        |
|          | 4          | 80B-6801240                          | 1      | Cable       |
|          | 5          | B.M5-6gx16.58.019 ГОСТ 17473-80      | 2      | Screw       |
|          | 6          | 70-4803023                           | 1      | Coupling    |
|          | 7          | 80B-6801590-Б                        | 1      | Frame       |
|          | 8          | 80B-6801521                          | 4      | Stop        |
|          | 9          | 80B-6801512                          | 4      | Bush        |
|          | 10         | K12x16x13E ГОСТ 24310-80             | 8      | Bearing     |
|          | 11         | 80B-6801033                          | 4      | Washer      |
|          | 12         | 80B-6801508                          | 1      | Axle        |
|          | 13         | 80B-6801519                          | 2      | Foot        |
|          | 14         | 80B-6801518                          | 2      | Liner       |
|          | 15         | 80B-6801530-Б                        | 2      | Spring      |
|          | 16         | 10 OT OCT 37.001.115-75              | 6      | Washer      |
|          | 17         | M10-6H.04.019 ГОСТ 5919-73           | 6      | Nut         |
|          | 18         | 80B-6801581                          | 2      | Pawl        |
|          | 19         | 80B-6801570                          | 1      | Frame       |
|          | 20         | 4x22.019 ГОСТ 397-79                 | 2      | Cotter pin  |
|          | 21         | 80B-6801012                          | 1      | Axle        |
|          | 22         | 80B-6801004-01                       | 1      | Hook        |
|          | 23         | 80B-6801001                          | 1      | Bracket     |
|          | 24         | 80B-6801003                          | 1      | Axle        |
|          | 25         | 80B-6801004                          | 1      | Hook        |
|          | 26         | 80B-6801002                          | 1      | Spring      |
|          | 27         | 80B-6801507                          | 1      | Sector      |
|          | 28         | 80B-6801506                          | 1      | Axle        |
|          | 29         | 70-6801307                           | 5      | Washer      |
|          | 30         | 80B-6801023                          | 1      | Nut         |
|          | 31         | 80B-6801008                          | 1      | Washer      |
|          | 32         | 3,0-100 ГОСТ 3722-81                 | 22     | Ball        |
|          | 33         | 80B-6801152                          | 1      | Screw       |
|          | 34         | 80-6801550                           | 1      | Panel       |
|          | 35         | 80-6800104                           | 1      | Guide       |
|          | 36         | 70-6804394-Б                         | 4      | Rod         |
|          | 37         | 70-6804391                           | 4      | Roller      |
|          | 38         | 010-015-30-2-3 ГОСТ 18829-73/9833-73 | 4      | Ring        |
|          | 39         | 80-6800110-01                        | 1      | Rack        |
|          | 40         | M8-6gx20.88.35.019 ГОСТ 7796-70      | 15     | Bolt        |
|          | 41         | 80B-6801031                          | 1      | Booster     |
|          | 42         | M8-6H.04.019 ГОСТ 5916-70            | 5      | Nut         |
|          | 43         | 8T OCT 37.001.115-75                 | 19     | Washer      |
|          | 44         | C 8.01.019 ГОСТ 11371-78             | 14     | Washer      |
|          | 45         | 80-6800110                           | 1      | Rack        |
|          | 46         | 80-6800120                           | 1      | Guide       |
|          | 47         | 80-6800103                           | 1      | Spring      |
|          | 48         | 80-6800102                           | 1      | Stop        |
|          | 49         | 70-4202431-01                        | 2      | Pin         |
|          | 50         | 80-6800101                           | 1      | Handle      |
| 51       | 70-6801082 | 1                                    | Handle |             |

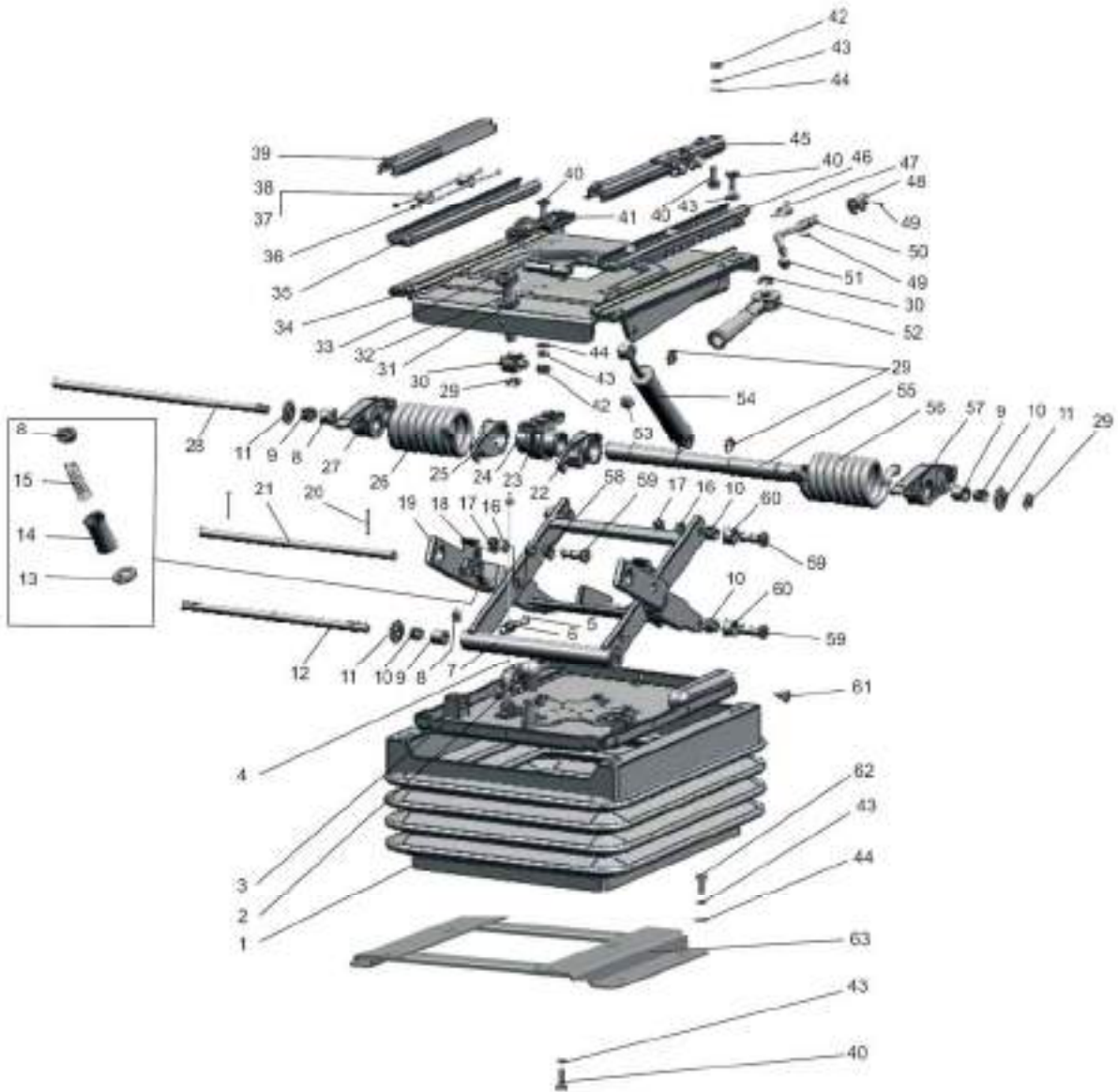


Fig.68.3. Seat suspension.



**Group 68. Driver seat**  
**Subgroup 6801. Seat suspension**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 68.3            | 52              | 80B-6801150                     | 1           | Handle             |
|                 | 53              | 80-6801531                      | 6           | Buffer             |
|                 | 54              | 80-6809100-11                   | 1           | Shock-absorber     |
|                 | 55              | 80B-6801505                     | 1           | Roller             |
|                 | 56              | 80B-6801002-01                  | 1           | Spring             |
|                 | 57              | 80B-6801507-01                  | 1           | Sector             |
|                 | 58              | 80B-6801526                     | 4           | Bush               |
|                 | 59              | 80B-6801528                     | 6           | Axle               |
|                 | 60              | 80B-6801032                     | 4           | Roller             |
|                 | 61              | 80-6800006                      | 20          | Button             |
|                 | 62              | M8-6gx30.88.35.019 ГОСТ 7796-70 | 4           | Bolt               |
|                 | 63              | 80B-6807200                     | 1           | Bracket            |

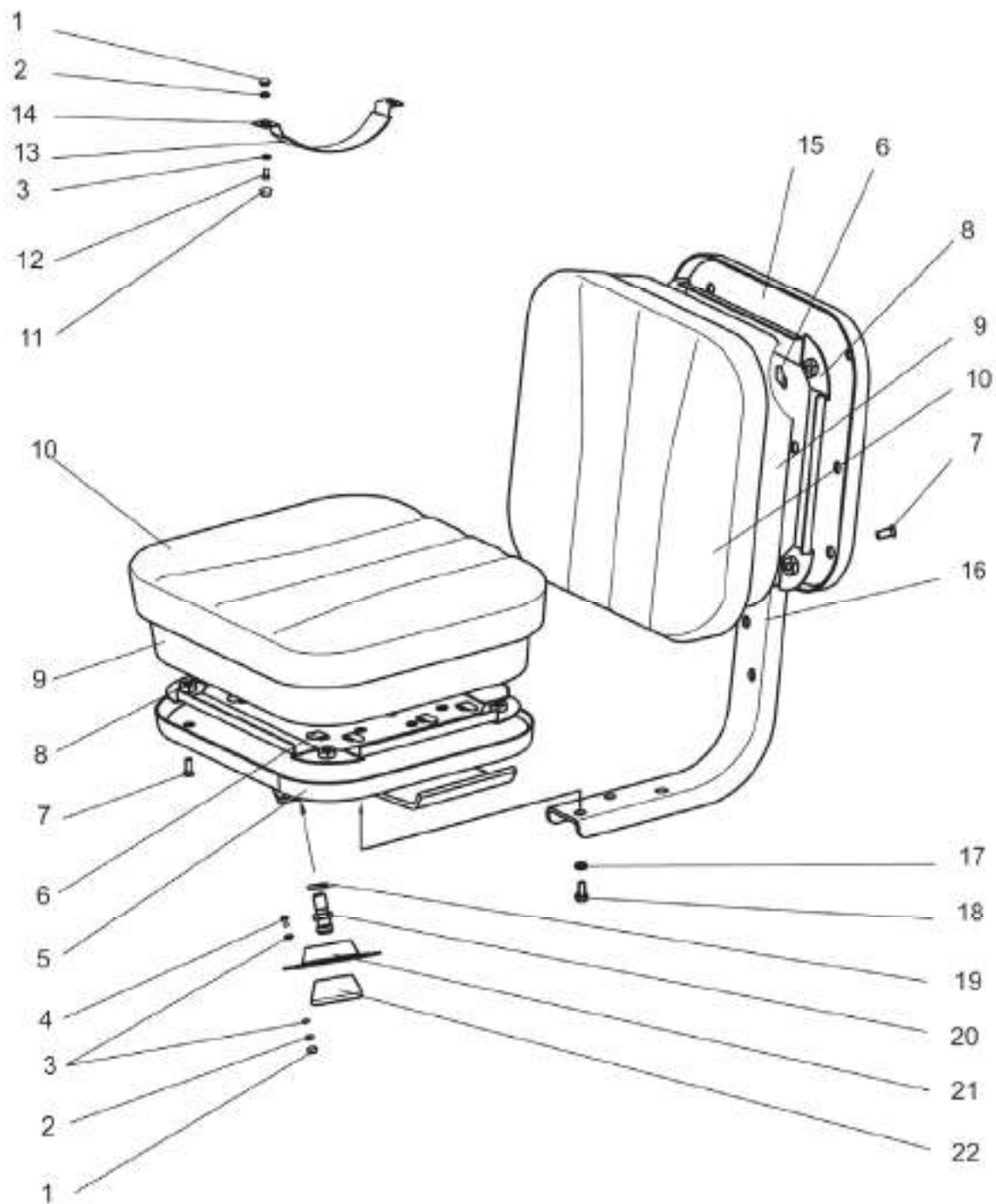


Fig.68.4. Additional seat.

**Group 68. Driver seat  
Subgroup 6809. Additional seat**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 68.4            | 1               | M6-6H.6.019 ГОСТ 5915-70        | 6           | Nut                |
|                 | 2               | 6T OCT 37.001.115-75            | 6           | Washer             |
|                 | 3               | C 6.01.019 ГОСТ 11371-78        | 10          | Washer             |
|                 | 4               | M6-6gx30.88.35.019 ГОСТ 7798-70 | 4           | Bolt               |
|                 | 5               | 1221-6809020                    | 1           | Base               |
|                 | 6               | 2522-6809012                    | 20          | Clamp              |
|                 | 7               | B.M8-6gx16.58.019 ГОСТ 17475-80 | 8           | Screw              |
|                 | 8               | 2522-6809030                    | 2           | Framework          |
|                 | 9               | 2522-6809011                    | 2           | Cushion            |
|                 | 10              | 2522-6809040                    | 2           | Boot               |
|                 | 11              | A30.04.017                      | 2           | Cap                |
|                 | 12              | M6-6gx16.88.35.019 ГОСТ 7798-70 | 2           | Bolt               |
|                 | 13              | A37.08.019-01                   | 1           | Handrail seal      |
|                 | 14              | A37.07.011                      | 1           | Band               |
|                 | 15              | 2522-6809060                    | 1           | Base               |
|                 | 16              | 2522-6809006                    | 1           | Framework          |
|                 | 17              | 8T OCT 37.001.115-75            | 6           | Washer             |
|                 | 18              | M8-6gx16.88.35.019 ГОСТ 7796-70 | 6           | Bolt               |
|                 | 19              | 10 OT OCT 37.001.115-75         | 2           | Washer             |
|                 | 20              | 70-6700031                      | 2           | Holder             |
|                 | 21              | 70-6700116                      | 2           | Liner              |
|                 | 22              | 50-3711038                      | 2           | Headlight support  |

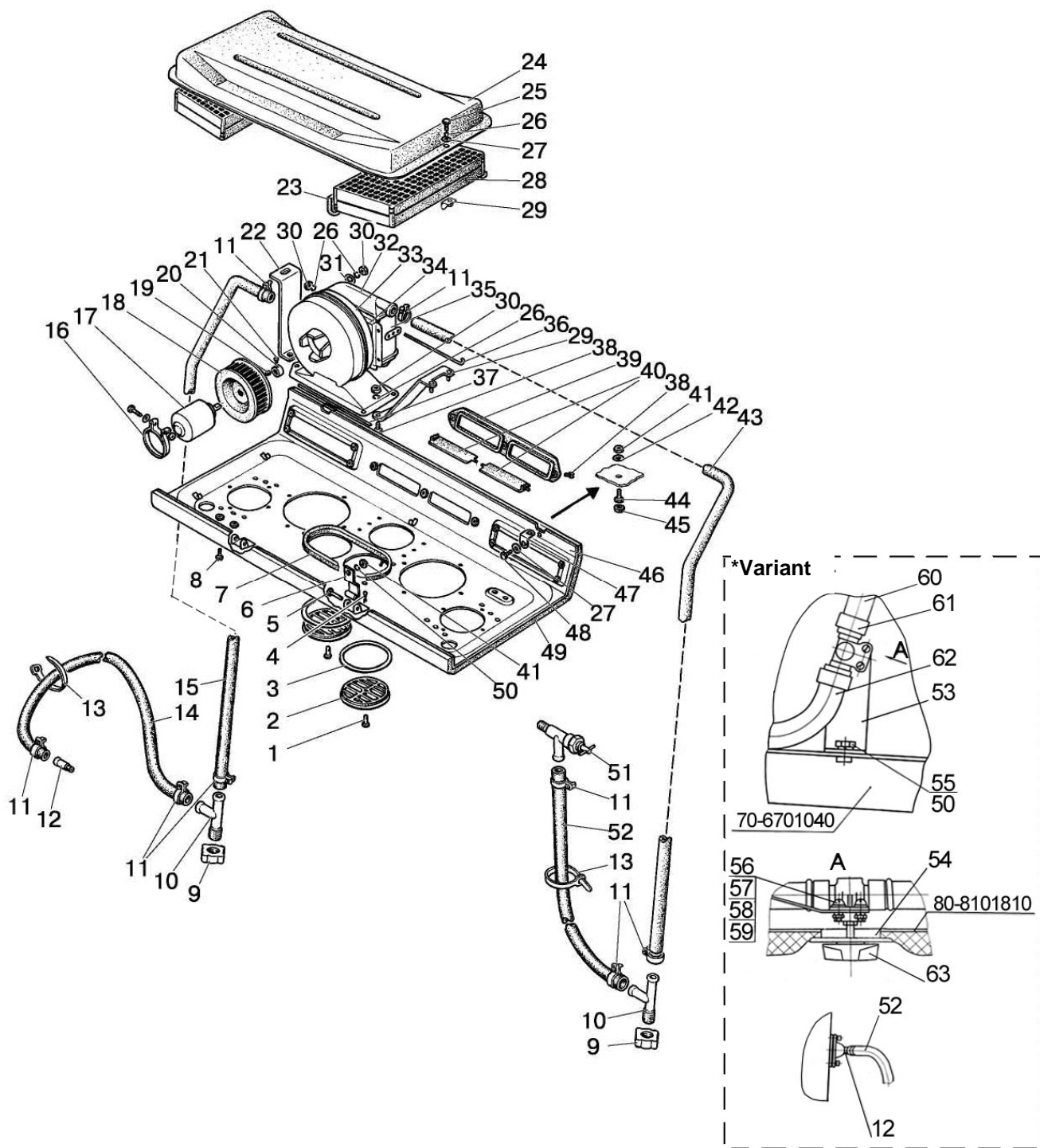


Fig.81.1. Heater

**Group 81. Heater  
Subgroup 8101. Heater**

| Fig. No. | Pos. No.                        | Designation                     | Q-ty           | Description                       |
|----------|---------------------------------|---------------------------------|----------------|-----------------------------------|
| 81.1     |                                 | 80-8101720                      |                | Heater (16-22, 26, 29-36)         |
|          |                                 | 80-8101810                      |                | Panel (1-8, 27, 37-40, 46, 47-49) |
|          |                                 | 80-8101830                      |                | Heater fitting (9-15, 43,51,52)   |
|          | 1                               | 6x18 OCT 37.001.163-75          | 2              | Pin                               |
|          | 2                               | 150.95.301                      | 2              | Air distributor                   |
|          | 3                               | 80-8100013                      | 2              | Liner                             |
|          | 4                               | 2x12.019 ГОСТ 397-79            | 2              | Cotter pin                        |
|          | 5                               | 50-8400031                      | 2              | Axle                              |
|          | 6                               | 80-8100048                      | 2              | Loop                              |
|          | 7                               | 80-8101714-07                   | 1              | Seal                              |
|          | 8                               | 2x12.019 ГОСТ 397-79            | 2              | Cotter pin                        |
|          | 9                               | 80-8100052                      | 2              | Plug                              |
|          | 10                              | 80-8100051                      | 2              | T-branch                          |
|          | 11                              | XC-23                           | 8              | Clamp                             |
|          | 12                              | 80-8100023                      | 1              | Connecting pipe                   |
|          | 13                              | 80-3723045-01                   | 3              | Cuff                              |
|          | 14                              | 80-8102015-02                   | 1              | Hose L=1740 mm                    |
|          | 15                              | 80-8101015                      | 1              | Hose L=2080 mm                    |
|          | 16                              | XC-76                           | 1              | Clamp                             |
|          | 17                              | 9742.3730                       | 1              | Electric motor                    |
|          | 18                              | 80-8104034                      | 1              | Rotor                             |
|          | 19                              | M4-6H.6.019 ГОСТ 5927-70        | 1              | Nut                               |
|          | 20                              | 80-8104039                      | 1              | Ring                              |
|          | 21                              | B.M4-6gx10.58.019 ГОСТ 17473-80 | 1              | Screw                             |
|          | 22                              | 80-8101721                      | 1              | Brace                             |
|          | 23                              | 80-8101714-04                   | 2              | Seal                              |
|          | 24                              | 80-8101760                      | 1              | Cover                             |
|          | 25                              | M6-6gx20.88.35.019 ГОСТ 7798-70 | 2              | Bolt                              |
|          | 26                              | 6T OCT 37.001.115-75            | 11             | Washer                            |
|          | 27                              | C 6.01.019 ГОСТ 6958-78         | 4              | Washer                            |
|          | 28                              | 80-8104070                      | 2              | Filter                            |
|          | 29                              | 80-8101820                      | 1              | Suspension                        |
|          | 30                              | M6-6H.6.019 ГОСТ 5915-70        | 10             | Nut                               |
|          | 31                              | C 6.01.019 ГОСТ 11371-78        | 3              | Washer                            |
|          | 32                              | 70Y-8101070-A or                | 1              | Heater radiator                   |
|          |                                 | PO-8101070 or                   | 1              | Heater radiator                   |
|          |                                 | 41.035-1013010 or               | 1              | Heater radiator                   |
|          |                                 | 1216-8101060                    | 1              | Heater radiator                   |
|          | 33                              | 80-8101730-A                    | 1              | Cover                             |
|          | 34                              | ПП32-06                         | 2              | Seal                              |
|          | 35                              | 80-8101800                      | 1              | Case                              |
|          | 36                              | 80-3703046-A                    | 1              | Pin                               |
|          | 37                              | 80-8100014                      | 1              | Rod                               |
|          | 38                              | B.M6-6gx20.58.019 ГОСТ 17474-80 | 6              | Screw                             |
|          | 39                              | 80-8100011-Б                    | 1              | Cover                             |
|          | 40                              | 80-8100012                      | 2              | Shutter                           |
|          | 41                              | M8-6H.6.019 ГОСТ 5915-70        | 4              | Nut                               |
| 42       | C 8.01.019 ГОСТ 6958-78         | 2                               | Washer         |                                   |
| 43       | 80-8102015                      | 1                               | Hose L=2230 mm |                                   |
| 44       | M8-6gx35.88.35.019 ГОСТ 7796-70 | 2                               | Bolt           |                                   |
| 45       | A30.04.017-01                   | 2                               | Cap            |                                   |
| 46       | 80-8100100                      | 1                               | Panel          |                                   |
| 47       | 70-6702111                      | 2                               | Angle piece    |                                   |

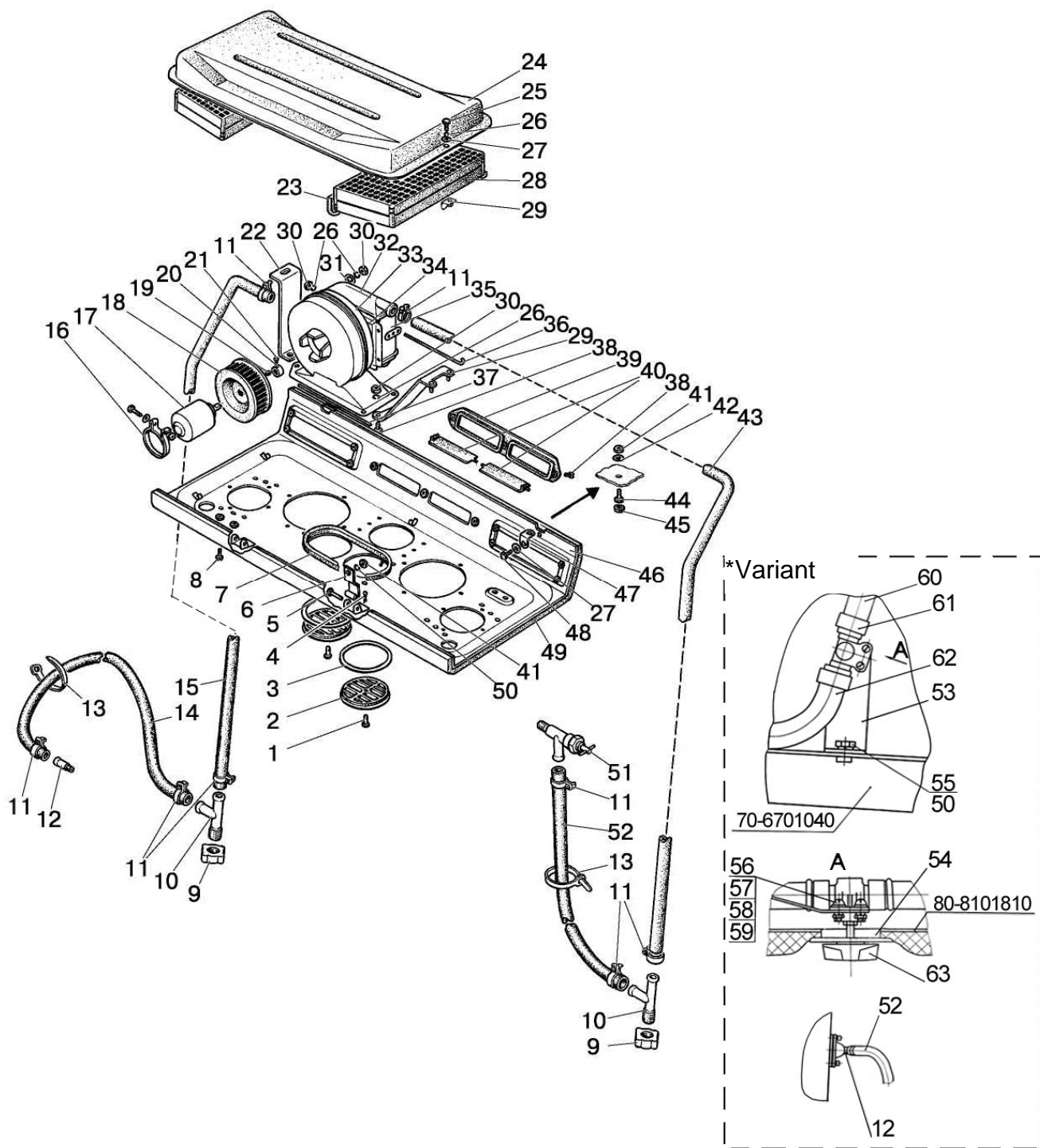


Fig.81.1. Heater

**Subgroup 8101. Heater**

| <b>Fig. No.</b> | <b>Pos. No.</b> | <b>Designation</b>              | <b>Q-ty</b> | <b>Description</b> |
|-----------------|-----------------|---------------------------------|-------------|--------------------|
| 81.1            | 48              | M6-6gx16.88.35.019 ГОСТ 7798-70 | 2           | Bolt               |
|                 | 49              | 80-8101713                      | 1           | Upholstery         |
|                 | 50              | 8T OCT 37.001.115-75            | 2           | Washer             |
|                 | 51              | BC-11                           | 1           | Cock               |
|                 | 52              | 80-8102015-03                   | 1           | Hose L=450 mm      |

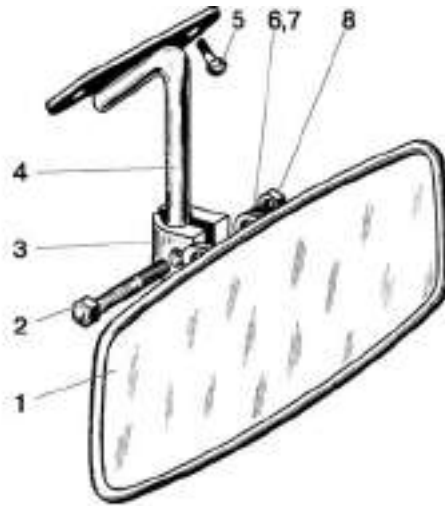


Fig.82.1. Internal rear-view mirror

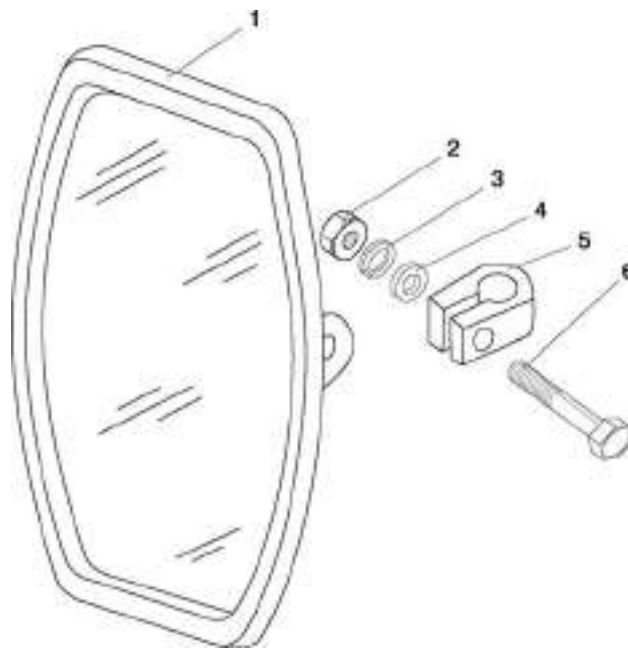


Fig.82.2. Side rear-view mirror

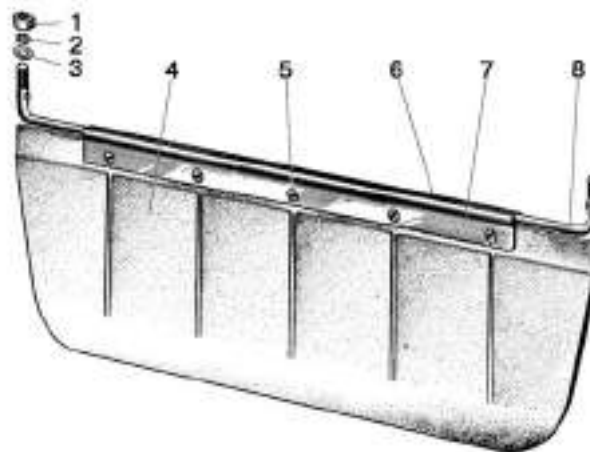


Fig.82.3. Sun visor



**Group 82. Cab accessories  
Subgroup 8201. Internal rear-view mirror**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description |
|----------|----------|---------------------------------|------|-------------|
| 82.1     | 1        | 80-8201035                      | 1    | Mirror      |
|          | 2        | M8-6gx25.88.35.019 ГОСТ 7796-70 | 1    | Bolt        |
|          | 3        | A30.04.071                      | 1    | Buckle      |
|          | 4        | 80П-8201025                     | 1    | Bracket     |
|          | 5        | B.M6-6gx16.58.019 ГОСТ 17473-80 | 2    | Screw       |
|          | 6        | C 8.01.019 ГОСТ 11371-78        | 1    | Washer      |
|          | 7        | 8T OCT 37.001.115-75            | 1    | Washer      |
|          | 8        | M8-6H.6.019 ГОСТ 5915-70        | 1    | Nut         |

**Group 82. Cab accessories  
Subgroup 8201. Side rear-view mirror**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description           |
|----------|----------|---------------------------------|------|-----------------------|
| 82.2     | 1        | 80-8201055                      | 2    | Side rear-view mirror |
|          | 2        | M8-6H.6.019 ГОСТ 5915-70        | 2    | Nut                   |
|          | 3        | 8T OCT 37.001.115-75            | 2    | Washer                |
|          | 4        | C 8.01.019 ГОСТ 11371-78        | 2    | Washer                |
|          | 5        | A30.04.051                      | 2    | Clamp                 |
|          | 6        | M8-6gx40.88.35.019 ГОСТ 7795-70 | 2    | Bolt                  |

**Group 82. Cab accessories  
Subgroup 8204. Sun visor**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description     |
|----------|----------|---------------------------------|------|-----------------|
| 82.3     |          | 80П-8204010                     | 1    | Sun visor (4-8) |
|          | 1        | M6-6H.6.019 ГОСТ 5915-70        | 2    | Nut             |
|          | 2        | 6T OCT 37.001.115-75            | 2    | Washer          |
|          | 3        | C 6.01.019 ГОСТ 6958-78         | 2    | Washer          |
|          | 4        | 70-8204011-A                    | 1    | Visor           |
|          | 5        | B.M4-6gx10.58.019 ГОСТ 17473-80 | 5    | Screw           |
|          | 6        | 70-8204015                      | 1    | Holder          |
|          | 7        | 70-8204014                      | 1    | Holder          |
|          | 8        | 80П-8204011-01                  | 1    | Axle            |

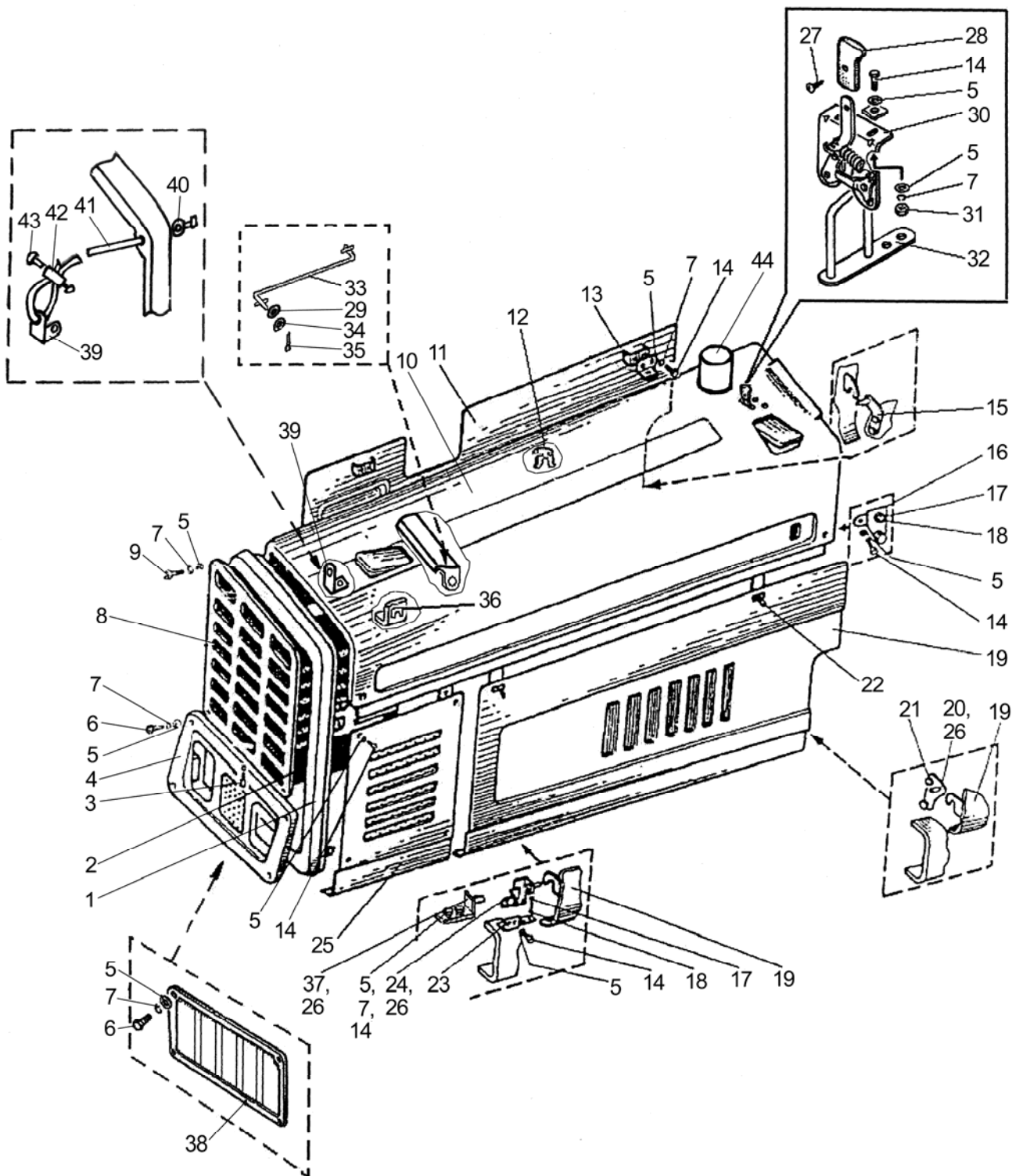


Fig.84.1. Facing

**Group 84. Empennage  
Subgroup 8400. Facing**

| Fig. No.       | Pos. No.                          | Designation                      | Q-ty                   |                        | Description      |
|----------------|-----------------------------------|----------------------------------|------------------------|------------------------|------------------|
|                |                                   |                                  | 900/900.2<br>920/920.2 | 950/950.2<br>952/952.2 |                  |
| 84.1           | 1                                 | 90-8402030<br>90-8402030-01**    | 1                      | 1                      | Frame            |
|                | 2                                 | 90-8402025-01                    | 1                      | 1                      | Right side piece |
|                | 3                                 | M10-6gx25.88.35.019 ГОСТ 7796-70 | 4                      | 4                      | Bolt             |
|                |                                   | C 10.01.019 ГОСТ 6958-78         | 4                      | 4                      | Washer           |
|                |                                   | 10 OT OCT 37.001.115-75          | 4                      | 4                      | Washer           |
|                | 4                                 | 90-8401080                       | 1                      | 1                      | Grill            |
|                | 5                                 | C 6.01.019 ГОСТ 6958-78          | 34(26*)                | 34(26*)                | Washer           |
|                | 6                                 | M6-6gx35.88.35.019 ГОСТ 7798-70  | 4                      | 4                      | Bolt             |
|                | 7                                 | 6T OCT 37.001.115-75             | 34(26*)                | 34(26*)                | Washer           |
|                | 8                                 | 90-8401120                       | 1                      | 1                      | Grill            |
|                | 9                                 | M6-6gx20.88.35.019 ГОСТ 7798-70  | 2                      | 2                      | Bolt             |
|                | 10                                | 90-8402020                       | 1                      | -                      | Bonnet           |
|                |                                   | 90-8402020-01*                   | 1                      | -                      | Bonnet           |
|                |                                   | 90-8402020-02                    | -                      | 1                      | Bonnet           |
|                |                                   | 90-8402020-03*                   | -                      | 1                      | Bonnet           |
|                | 11                                | 90-8402320                       | 1                      |                        | Right side piece |
|                |                                   | 90-8402320-01                    | -                      | 1                      | Right side piece |
|                | 12                                | 90-8400021                       | 1                      | 1                      | Clamp            |
|                | 13                                | 90-8402410                       | 2                      | 2                      | Left lock        |
|                |                                   | 90-8402410-01                    | 2                      | 2                      | Right lock       |
|                | 14                                | M6-6gx16.88.35.019 ГОСТ 7798-70  | 28(20*)                | 28(20*)                | Bolt             |
|                | 15                                | 90-8401065                       | 1                      | 1                      | Support          |
|                | 16                                | 90-8401040-01                    | 1                      | 1                      | Right bracket    |
|                |                                   | 90-8401040                       | 1                      | 1                      | Left bracket     |
|                | 17                                | M8-6gx20.88.35.019 ГОСТ 7796-70  | 8                      | 8                      | Bolt             |
|                | 18                                | 8T OCT 37.001.115-75             | 8                      | 8                      | Washer           |
|                | 19                                | 90-8402310                       | 1                      | 1                      | Left side piece  |
|                | 20                                | 90-8401060                       | 1                      | 1                      | Support          |
|                | 21                                | M12-6gx55.88.35.019 ГОСТ 7795-70 | 1                      | 1                      | Bolt             |
|                |                                   | M12-6H.6.019 ГОСТ 5915-70        | 1                      | 1                      | Nut              |
|                |                                   | 12 OT OCT 37.001.115-75          | 2                      | 2                      | Washer           |
|                |                                   | C 12.01.019 ГОСТ 6958-78         | 1                      | 1                      | Washer           |
|                | 23                                | 90-8401031                       | 1                      | 1                      | Left bracket     |
|                |                                   | 90-8401031-01                    | 1                      | 1                      | Right bracket    |
|                | 24                                | 90-8401050-01                    | 1                      | 1                      | Left bracket     |
| 90-8401050     |                                   | 1                                | 1                      | Right bracket          |                  |
| 90-8401055*    |                                   | 1                                | 1                      | Left bracket           |                  |
| 90-8401055-01* |                                   | 1                                | 1                      | Right bracket          |                  |
| 25             | 90-8402025                        | 1                                | 1                      | Left side piece        |                  |
| 26             | 90-8400056-01                     | 6(2*)                            | 6(2*)                  | Bush                   |                  |
| 27             | 4x10.019 ТУ РБ 400024166.001-2000 | 1                                | 1                      | Wood screw             |                  |
| 28             | 80-6105056                        | 1                                | 1                      | Handle                 |                  |
| 29             | 549A-1305044                      | 1                                | 1                      | Ring                   |                  |
| 30             | 80-8402410                        | 1                                | 1                      | Lock                   |                  |
| 31             | M6-6H.6.019 ГОСТ 5915-70          | 2                                | 2                      | Nut                    |                  |
| 32             | 90-8402420-Б                      | 1                                | 1                      | Cramp                  |                  |
| 33             | 90-8400070                        | 1                                | 1                      | Rod                    |                  |
| 34             | C 8.01.019 ГОСТ 6958-78           | 1                                | 1                      | Washer                 |                  |
| 35             | 3,2x25.019 ГОСТ 397-79            | 1                                | 1                      | Cotter pin             |                  |

\* Variant without side piece 90-8402310 and 90-8402320

\*\* For external headlights

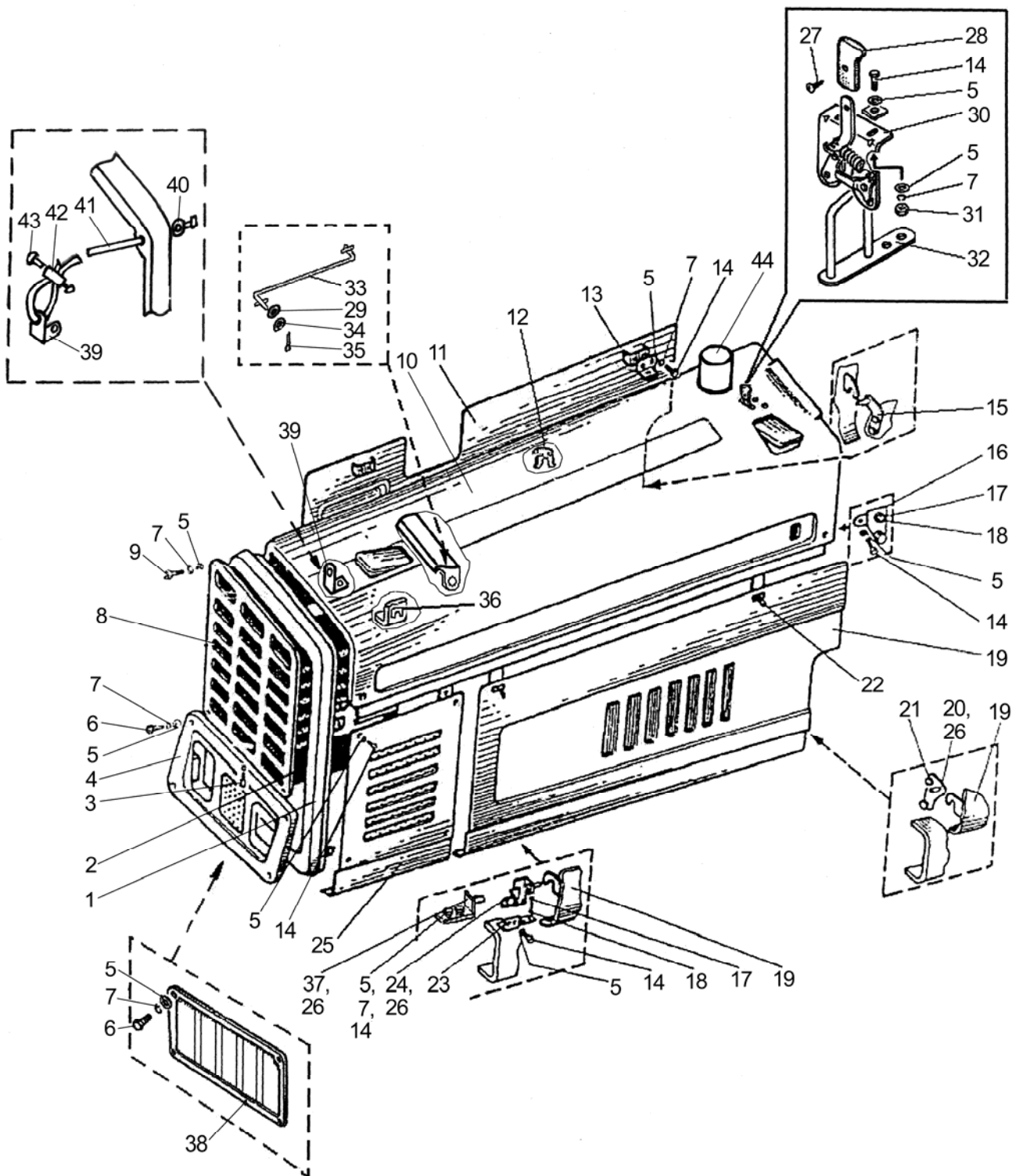


Fig.84.1. Facing

**Group 84. Empennage  
Subgroup 8400. Facing**

| Fig. No. | Pos. No. | Designation                     | Q-ty                   |                        | Description |
|----------|----------|---------------------------------|------------------------|------------------------|-------------|
|          |          |                                 | 900/900.2<br>920/920.2 | 950/950.2<br>952/952.2 |             |
| 84.1     | 36       | 90-8400012-Б                    | 1                      | 1                      | Bracket     |
|          | 37       | 90-8402075                      | 2                      | 2                      | Catch       |
|          | 38       | 90-8401020-Б**                  | 1                      | 1                      | Grill       |
|          | 39       | 70-6702111                      | 1                      | 1                      | Angle piece |
|          | 40       | C 4.01.019 ГОСТ 11371-78        | 1                      | 1                      | Washer      |
|          | 41       | 90-8402050                      | 1                      | 1                      | Cable       |
|          | 42       | 70-4803023                      | 1                      | 1                      | Coupling    |
|          | 43       | B.M5-6gx12.58.019 ГОСТ 17473-80 | 2                      | 2                      | Screw       |
|          | 44       | 800-1109002                     | 1                      | -                      | Adapter     |

\* Variant without side piece 90-8402310 and 90-8402320

\*\* For external headlights

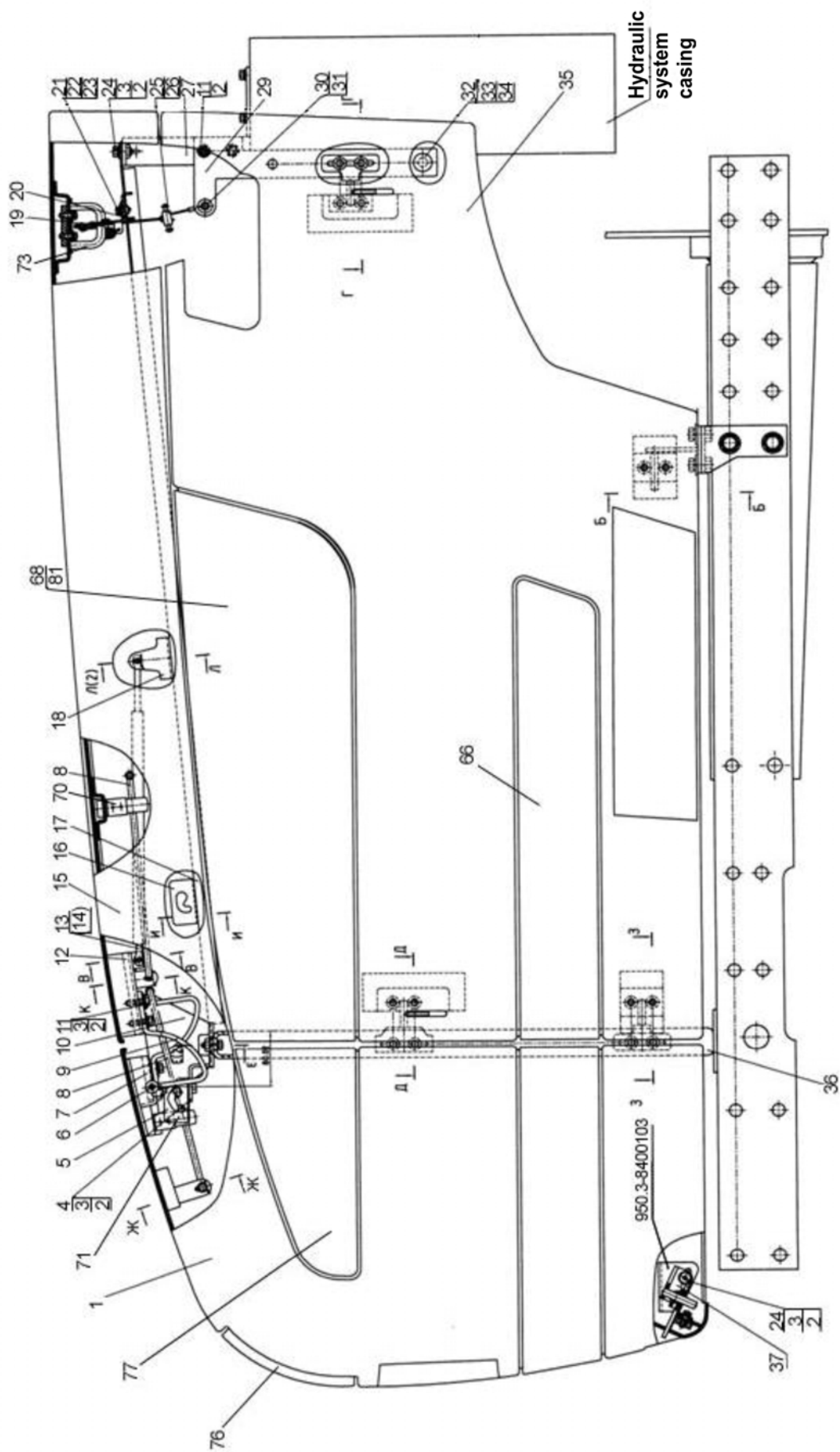


Fig.84.2a Facing (left-side view)

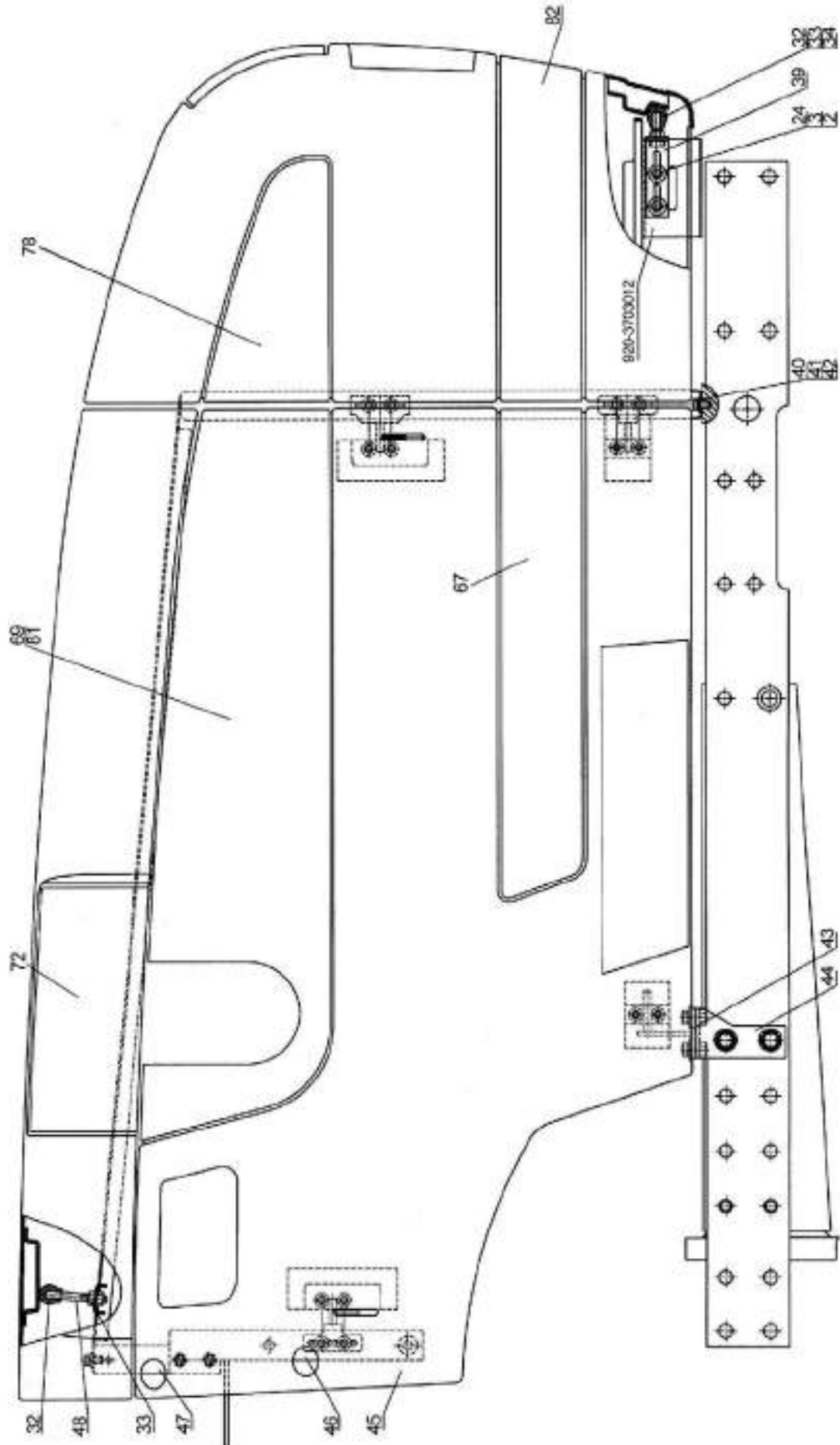


Fig.84.2b Facing (right-side view)

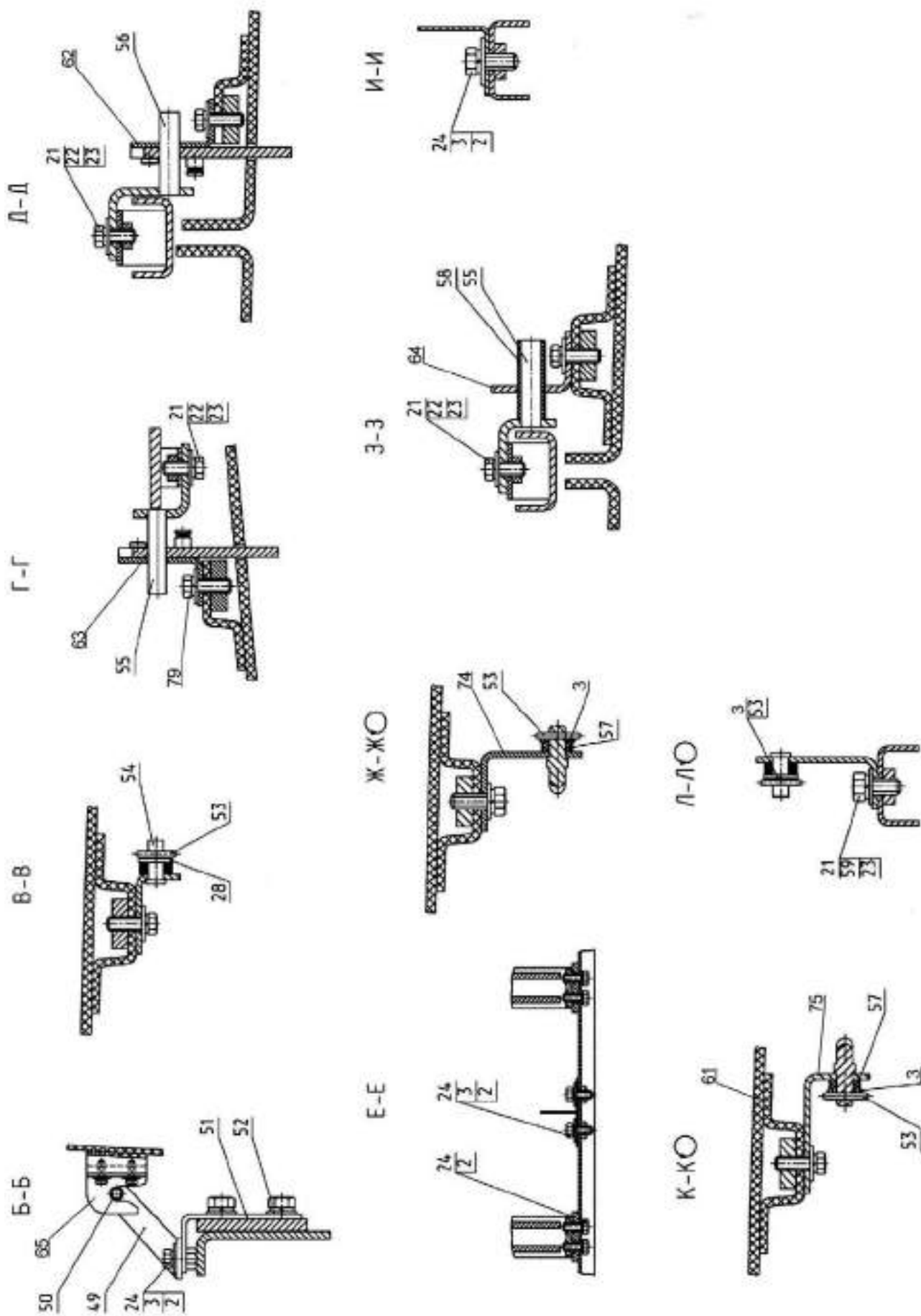


Fig.84.2c Facing (sections)

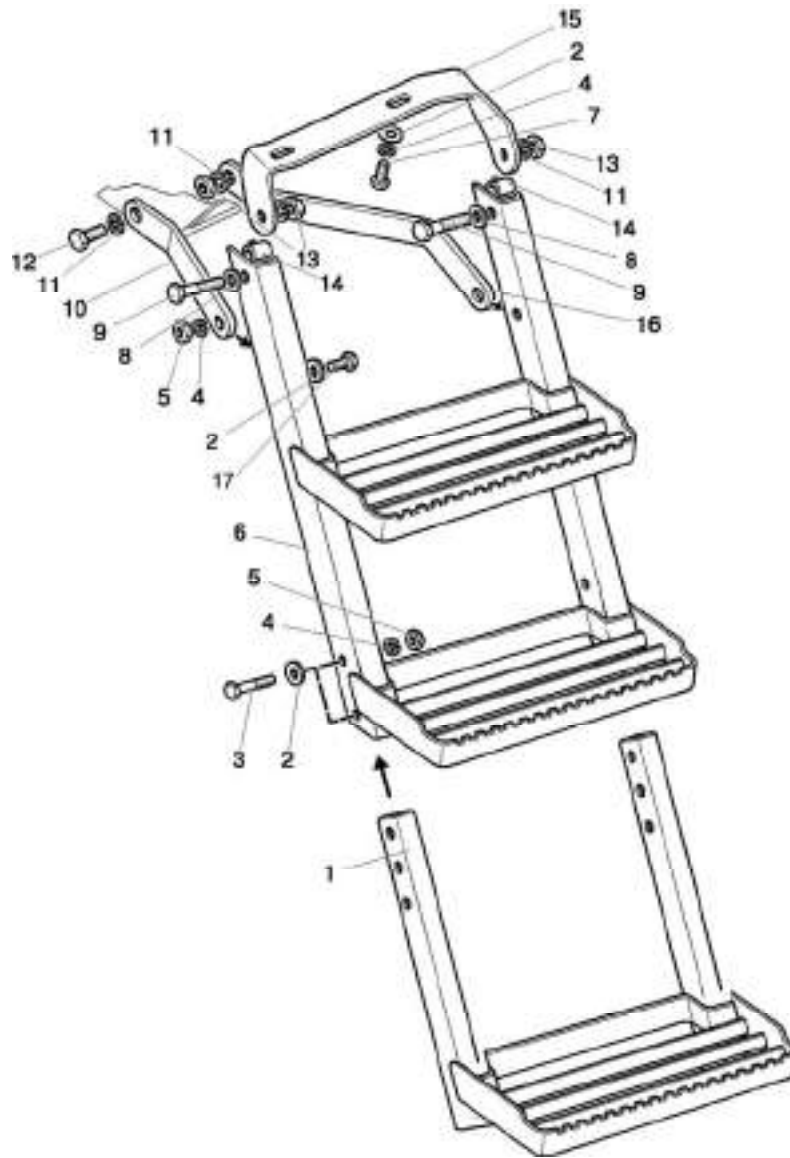


**Group 84. Empennage  
Subgroup 8400. Facing**

| Fig. No. | Pos. No. | Designation                       | Q-ty | Description   |
|----------|----------|-----------------------------------|------|---------------|
| 84.2a    | 1        | 950.3-8400015                     | 1    | Mask          |
| 84.2b    | 2        | 8T OCT 37.001.115-75              | 45   | Washer        |
| 84.2b    | 3        | C 8.01.019 ГОСТ 6958-78           | 48   | Washer        |
|          | 4        | 950.3-8400060                     | 1    | Bracket       |
|          | 5        | 923-8400060                       | 1    | Bracket       |
|          | 6        | 923-8400031                       | 4    | Axle          |
|          | 7        | 950.3-8400012-01                  | 3    | Mount         |
|          | 8        | 90-8400070-01                     | 2    | Rod           |
|          | 9        | 923-8400045                       | 4    | Loop          |
|          | 10       | 950.3-8400040                     | 2    | Support       |
|          | 11       | M8-6gx25.88.35.019 ГОСТ 7796-70   | 16   | Bolt          |
|          | 12       | 950.3-8400011                     | 2    | Mount         |
|          | 13       | 11.6.6308010 or                   | 1    | Gas spring    |
|          | 14       | 21054                             | 1    | Air-lift      |
|          | 15       | 950.3-8402020                     | 1    | Bonnet        |
|          | 16       | 90-8400012-Б                      | 1    | Bracket       |
|          | 17       | 1025-8402040-01                   | 2    | Brace         |
|          | 18       | 80-6708225                        | 1    | Bracket       |
|          | 19       | 80-8402410                        | 1    | Lock          |
|          | 20       | 920-8400190                       | 1    | Support       |
|          | 21       | M6-6gx16.88.35.019 ГОСТ 7798-70   | 16   | Bolt          |
|          | 22       | C 6.01.019 ГОСТ 6958-78           | 44   | Washer        |
|          | 23       | 6T OCT 37.001.115-75              | 44   | Washer        |
|          | 24       | M8-6gx20.88.35.019 ГОСТ 7796-70   | 30   | Bolt          |
|          | 25       | 70-4803023                        | 1    | Coupling      |
|          | 26       | B.M5-6gx12.58.019 ГОСТ 17473-80   | 2    | Screw         |
|          | 27       | 1021-8401065                      | 1    | Bracket       |
|          | 29       | 950.3-8401060                     | 1    | Pillar        |
|          | 30       | 822-8400080                       | 1    | Control cable |
|          | 31       | M12x1,25-6H.6.019 ГОСТ 5915-70    | 1    | Nut           |
|          | 32       | 70-3401093                        | 6    | Lever tip     |
|          | 33       | M10-6H.6.019 ГОСТ 5915-70         | 6    | Nut           |
|          | 34       | M10 3p/6gx35.66.019 ГОСТ 22034-76 | 4    | Pin           |
|          | 35       | 950.3-8402310                     | 1    | Side piece    |
|          | 36       | 950.3-8402025-A                   | 1    | Frame         |
|          | 37       | 950.3-8400150                     | 1    | Bracket       |
|          | 39       | 950.3-8400035                     | 2    | Bracket       |
|          | 40       | M10-6gx18.88.35.019 ГОСТ 7796-70  | 4    | Bolt          |
|          | 41       | C 10.01.019 ГОСТ 11371-78         | 4    | Washer        |
|          | 42       | 10 OT OCT 37.001.115-75           | 4    | Washer        |
|          | 43       | 950.3-8401050-01                  | 1    | Bracket       |
|          | 44       | 950.3-8400140-01                  | 1    | Support       |
|          | 45       | 950.3-8402320                     | 1    | Side piece    |
|          | 46       | 950.3-8401065                     | 1    | Pillar        |
|          | 47       | 1021-8401060                      | 1    | Bracket       |
|          | 48       | 923-8400033-02                    | 2    | Rod           |
|          | 49       | 950.3-8401050                     | 1    | Bracket       |
|          | 50       | 950.3-8400056-02                  | 2    | Bush          |
|          | 51       | 950.3-8400140                     | 1    | Support       |
|          | 52       | C 16.01.019 ГОСТ 11371-78         | 4    | Washer        |
|          | 53       | 3,2x25.019 ГОСТ 397-79            | 8    | Cotter pin    |
|          | 54       | 80-6707096                        | 1    | Axle          |
|          | 55       | 1321-8402095-Б-01                 | 4    | Catch         |
|          | 56       | 923-8402095-Б                     | 2    | Catch         |

**Group 84. Empennage  
Subgroup 8400. Facing**

| Fig. No. | Pos. No. | Designation                     | Q-ty | Description                   |
|----------|----------|---------------------------------|------|-------------------------------|
| 84.2a    | 57       | 549A-1305044                    | 2    | Ring                          |
| 84.2б    | 58       | 950.3-8400056-01                | 2    | Bush                          |
| 84.2в    | 61       | 950.3-8400012                   | 12   | Mount                         |
|          | 62       | 923-8402410                     | 3    | Lock                          |
|          | 63       | 923-8402410-01                  | 2    |                               |
|          | 64       | 950.3-8402313                   | 2    | Hook end                      |
|          | 65       | 950.3-8402313-01                | 2    |                               |
|          | 66       | 950.3-8402318                   | 1    | Grill                         |
|          | 67       | 950.3-8402318-01                | 1    |                               |
|          | 68       | 950.3-8402319                   | 1    |                               |
|          | 69       | 950.3-8402322                   | 1    |                               |
|          | 70       | 950.3-8400050                   | 1    | Clamp                         |
|          | 71       | 950.3-8400050-01                | 1    |                               |
|          | 72       | 950.3-8400095                   | 1    | Grill                         |
|          | 73       | 1221-8402420                    | 1    | Cramp                         |
|          | 74       | 950.3-8400101                   | 1    | Bracket                       |
|          | 75       | 950.3-8400102                   | 1    | Bracket                       |
|          | 76       | 950.3-8401090                   | 1    | Grill                         |
|          | 77       | 950.3-8400017                   | 1    | Grill                         |
|          | 78       | 950.3-8400017-01                | 1    |                               |
|          | 79       | M6-6gx20.88.35.019 ГОСТ 7798-70 | 28   | Bolt                          |
|          | 80       | M8-6H.6.019 ГОСТ 5915-70        | 1    | Nut (not shown in the figure) |
|          | 81       | WFS-4213                        | 6    | Self-tapping screw            |
|          | 82       | 950.3-8401087                   | 1    | Grill                         |



84.3. Footstep

**Group 84. Empennage  
Subgroup 8405. Footstep**

| <b>Fig. No.</b> | <b>Pos. No.</b>                  | <b>Designation</b>               | <b>Q-ty</b>                                  | <b>Description</b>    |
|-----------------|----------------------------------|----------------------------------|--|-----------------------|
| 84.3            |                                  | 80-8405005-Б                     | 1  | Left footstep (1-16)  |
|                 |                                  | 80-8405005-Б-01                  | 1  | Right footstep (1-16) |
|                 | 1                                | 80-8405020-A2                    | 1  | Footstep              |
|                 | 2                                | C 10.01.019 ГОСТ 11371-78        | 8  | Washer                |
|                 | 3                                | M10-6gx50.88.35.019 ГОСТ 7795-70 | 4  | Bolt                  |
|                 | 4                                | 10 OT OCT 37.001.115-75          | 8  | Washer                |
|                 | 5                                | M10-6H.6.019 ГОСТ 5915-70        | 6  | Nut                   |
|                 | 6                                | 80-8405010-A3                    | 1  | Footstep              |
|                 | 7                                | M10-6gx25.88.35.019 ГОСТ 7796-70 | 2  | Bolt                  |
|                 | 8                                | C 12.01.019 ГОСТ 11371-78        | 2  | Washer                |
|                 | 9                                | M12-6gx60.88.35.019 ГОСТ 7796-70 | 2  | Bolt                  |
|                 | 10                               | 80-8405031-Б                     | 1  | Bracket               |
|                 | 11                               | 12 OT OCT 37.001.115-75          | 4  | Washer                |
|                 | 12                               | M12-6gx30.88.35.019 ГОСТ 7796-70 | 2  | Bolt                  |
|                 | 13                               | M12-6H.6.019 ГОСТ 5915-70        | 3  | Nut                   |
|                 | 14                               | 923-6700111                      | 2  | Bush                  |
|                 | 15                               | 80-8405030-Б                     | 1  | Bracket               |
|                 | 80-8405030-Б-01                  | 1                                | Bracket (of the right footstep – optionally) |                       |
| 16              | 80-8405032-Б                     | 1                                | Bracket                                      |                       |
| 17              | M10-6gx30.88.35.019 ГОСТ 7796-70 | 2                                | Bolt   |                       |

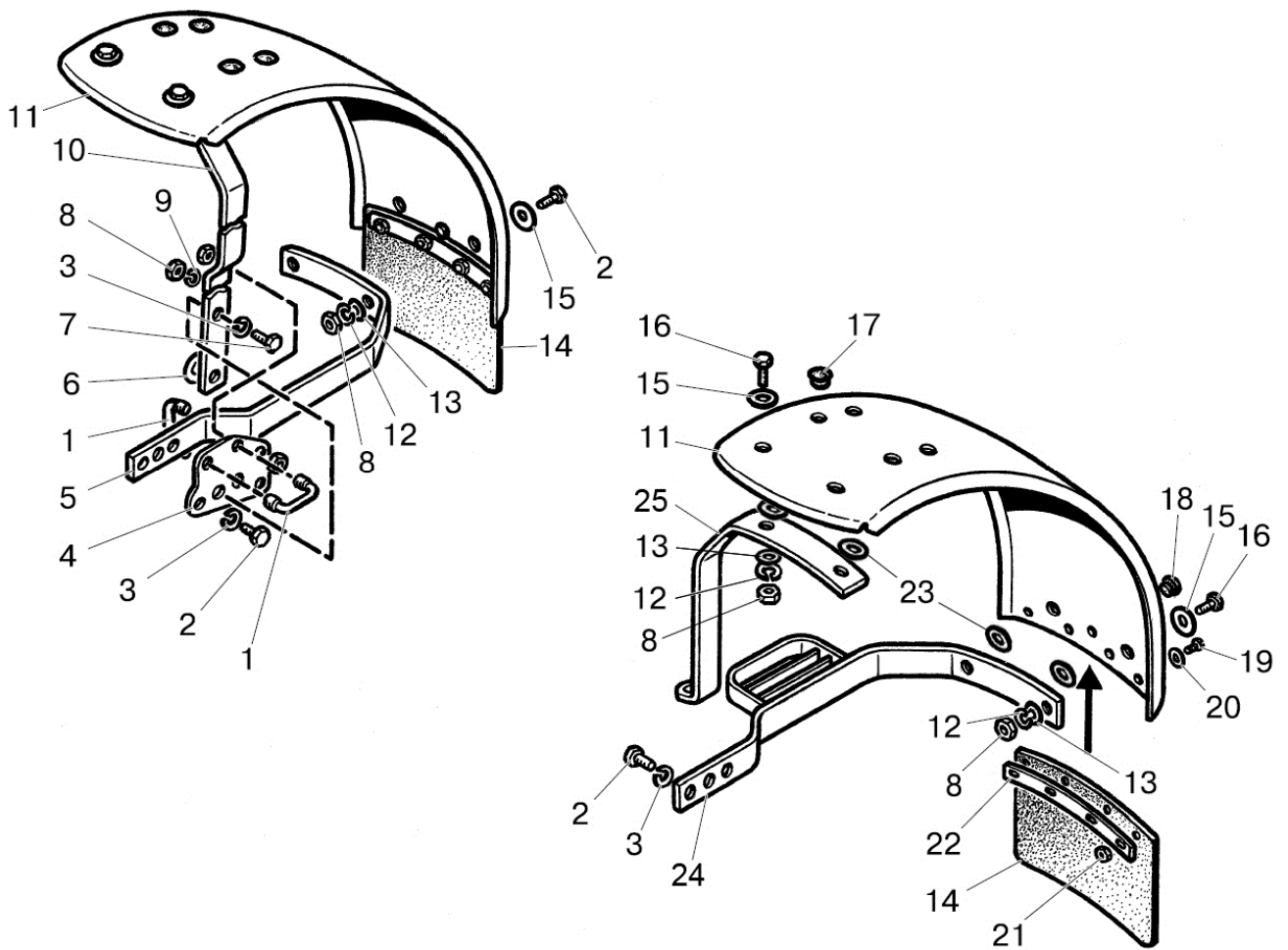


Fig.84.4. Front fenders (with FDA 72-2300020-A)

**Group 84. Empennage**  
**Subgroup 8403. Front fenders (with FDA 72-2300020-A)**

| Fig. No.                         | Pos. No.     | Designation                      | Q-ty    | Description                   |
|----------------------------------|--------------|----------------------------------|---------|-------------------------------|
| 84.4                             |              | 82-8403010-03/-04                | 1       | Fender (1-25)                 |
|                                  | 1            | 52-8403018                       | 2       | U-bolt                        |
|                                  | 2            | M12-6gx35.88.35.019 ГОСТ 7796-70 | 6       | Bolt                          |
|                                  | 3            | 12 OT OCT 37.001.115-75          | 7       | Washer                        |
|                                  | 4            | 52-8403011                       | 1       | Plate                         |
|                                  | 5            | 82-8403021                       | 1       | Bracket                       |
|                                  | 6            | C 12.01.019 ГОСТ 11371-78        | 1       | Washer                        |
|                                  | 7            | M12-6gx45.88.35.019 ГОСТ 7796-70 | 1       | Bolt                          |
|                                  | 8            | M10-6H.6.019 ГОСТ 5915-70        | 12      | Nut                           |
|                                  | 9            | 10 OT OCT 37.001.115-75          | 4       | Washer                        |
|                                  | 10           | 82-8403016                       | 1       | Bracket                       |
|                                  | 11           | 80-8403041                       | 2       | Fender (metallic)             |
|                                  | 12           | 10Л OCT 37.001.115-75            | 8       | Washer                        |
|                                  | 13           | C 10.01.019 ГОСТ 11371-78        | 8       | Washer                        |
|                                  | 14           | 80-8403030                       | 2       | Shutter                       |
|                                  | 15           | C 10.01.019 ГОСТ 6958-78         | 8       | Washer                        |
|                                  | 16           | M10-6gx35.88.35.019 ГОСТ 7796-70 | 8       | Bolt                          |
|                                  | 17           | 500A-8507096                     | 8       | Choke                         |
|                                  | 18           | 50-8400018                       | 2       | Choke                         |
|                                  | 19           | B.M6-6gx16.58.019 ГОСТ 17473-80  | 8       | Screw                         |
|                                  | 20           | C 6.01.019 ГОСТ 11371-78         | 8       | Washer                        |
|                                  | 21           | M6-6H.6.019 ГОСТ 5915-70         | 8       | Nut                           |
|                                  | 22           | 80-8403013                       | 2       | Slat                          |
|                                  | 23           | 50-1301165                       | 8       | Gasket                        |
|                                  | 24           | 82-8403020                       | 1       | Bracket                       |
| 25                               | 82-8403016-Б | 1                                | Bracket |                               |
| <b>Variant (plastic fenders)</b> |              |                                  |         |                               |
|                                  |              | 82-8403010-A/-01                 | 1       | Fender (1-13, 15, 16, 24, 25) |
| 1                                |              | 52-8403018                       | 2       | U-bolt                        |
| 2                                |              | M12-6gx35.88.35.019 ГОСТ 7796-70 | 2       | Bolt                          |
| 3                                |              | 12 OT OCT 37.001.115-75          | 7       | Washer                        |
| 4                                |              | 52-8403011                       | 1       | Plate                         |
| 5                                |              | 82-8403021                       | 1       | Bracket                       |
| 6                                |              | C 12.01.019 ГОСТ 11371-78        | 1       | Washer                        |
| 7                                |              | M12-6gx45.88.35.019 ГОСТ 7796-70 | 1       | Bolt                          |
| 8                                |              | M10-6H.6.019 ГОСТ 5915-70        | 12      | Nut                           |
| 9                                |              | 10 OT OCT 37.001.115-75          | 4       | Washer                        |
| 10                               |              | 82-8403016                       | 1       | Bracket                       |
| 11                               |              | 80-8403041-A-01                  | 2       | Fender (plastic)              |
| 12                               |              | 10 OCT 37.001.115-75             | 8       | Washer                        |
| 13                               |              | C 10.01.019 ГОСТ 11371-78        | 8       | Washer                        |
| 15                               |              | C 10.01.019 ГОСТ 6958-78         | 8       | Washer                        |
| 16                               |              | M10-6gx35.88.35.019 ГОСТ 7796-70 | 8       | Bolt                          |
| 24                               |              | 82-8403020                       | 1       | Bracket                       |
| 25                               |              | 82-8403016-Б                     | 1       | Bracket                       |

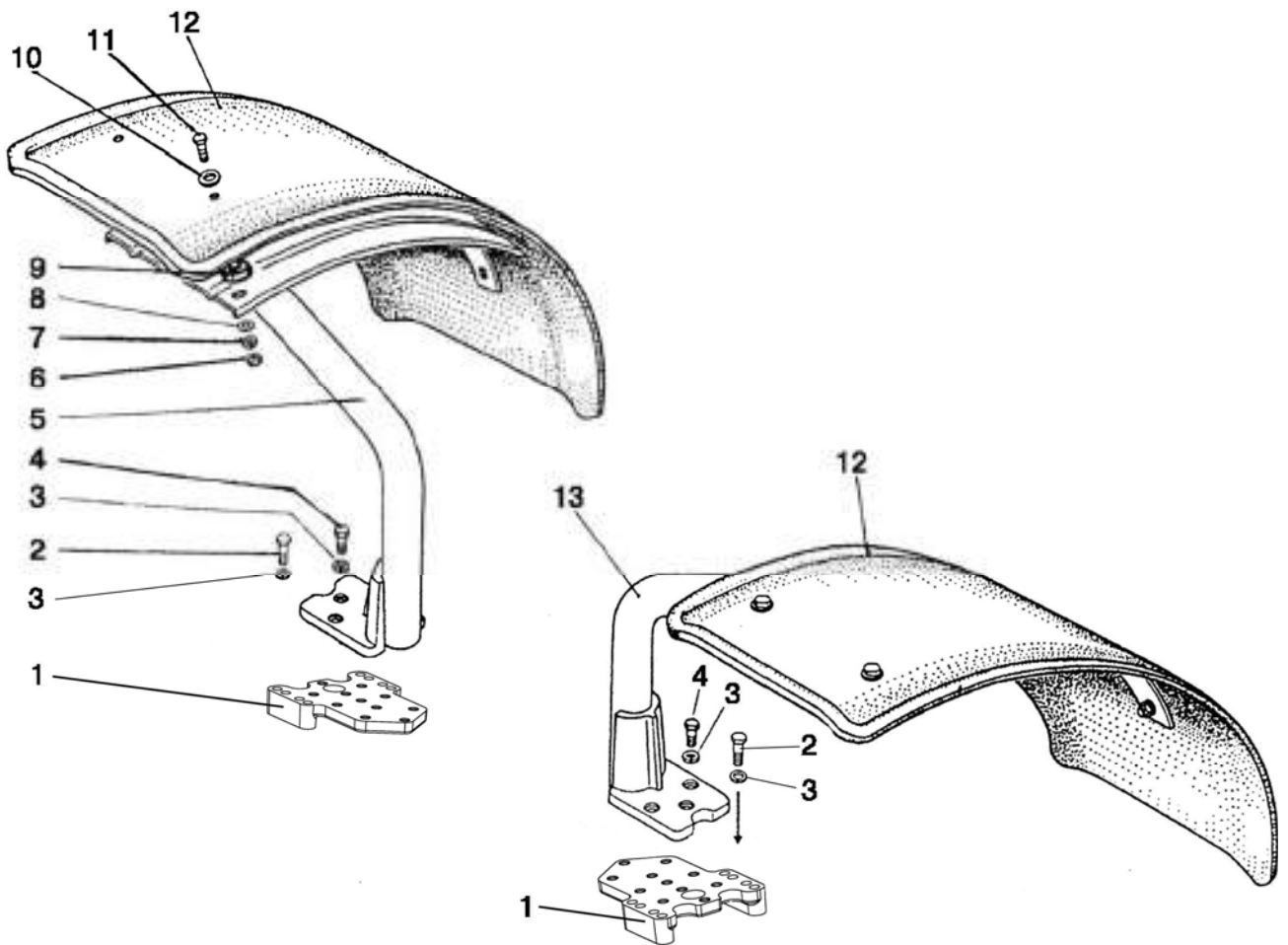


Fig.84.5. Front fenders (for FDA 822-2300020-02 with elongated tubes)

**Group 84. Empennage  
Subgroup 8403. Front fenders (for FDA 822-2300020-02)**

| Fig. No. | Pos. No.    | Designation  | Q-ty        | Description   |
|----------|-------------|--|-------------|---------------|
| 84.5     |             | 822-8403010-02/-03   | 1           | Fender (1-13) |
|          | 1           | 822-8403011-Б  | 2           | Base          |
|          | 2           | M12-6gx60.88.35.019 ГОСТ 7796-70   | 8           | Bolt          |
|          | 3           | 12 OT OCT 37.001.115-75  | 14          | Washer        |
|          | 4           | M12-6gx30.88.35.019 ГОСТ 7796-70   | 6           | Bolt          |
|          | 5           | 822-8403015-01   | 1           | Right pillar  |
|          | 6           | M10-6H.6.019 ГОСТ 5915-70  | 10          | Nut           |
|          | 7           | 10Л OCT 37.001.115-75  | 10          | Washer        |
|          | 8           | C 10.01.019 ГОСТ 11371-78  | 10          | Washer        |
|          | 9           | 80-4616017   | 10          | Roller        |
|          | 10          | C 10.01.019 ГОСТ 6958-78   | 10          | Washer        |
|          | 11          | M10-6gx40.88.35.019 ГОСТ 7796-70   | 10          | Bolt          |
|          | 12          | 822-8403020* or<br>822-8403020-Б* or<br>1221-8403014-Б-02** or<br>1221-8403014-Б1-02** | 2           | Fender        |
| 13       | 822-8403015 | 1  | Left pillar |               |

\* In case of fitting the tyres 13,6-20 or 13,6R20

\*\* In case of fitting the tyres 360/70R24



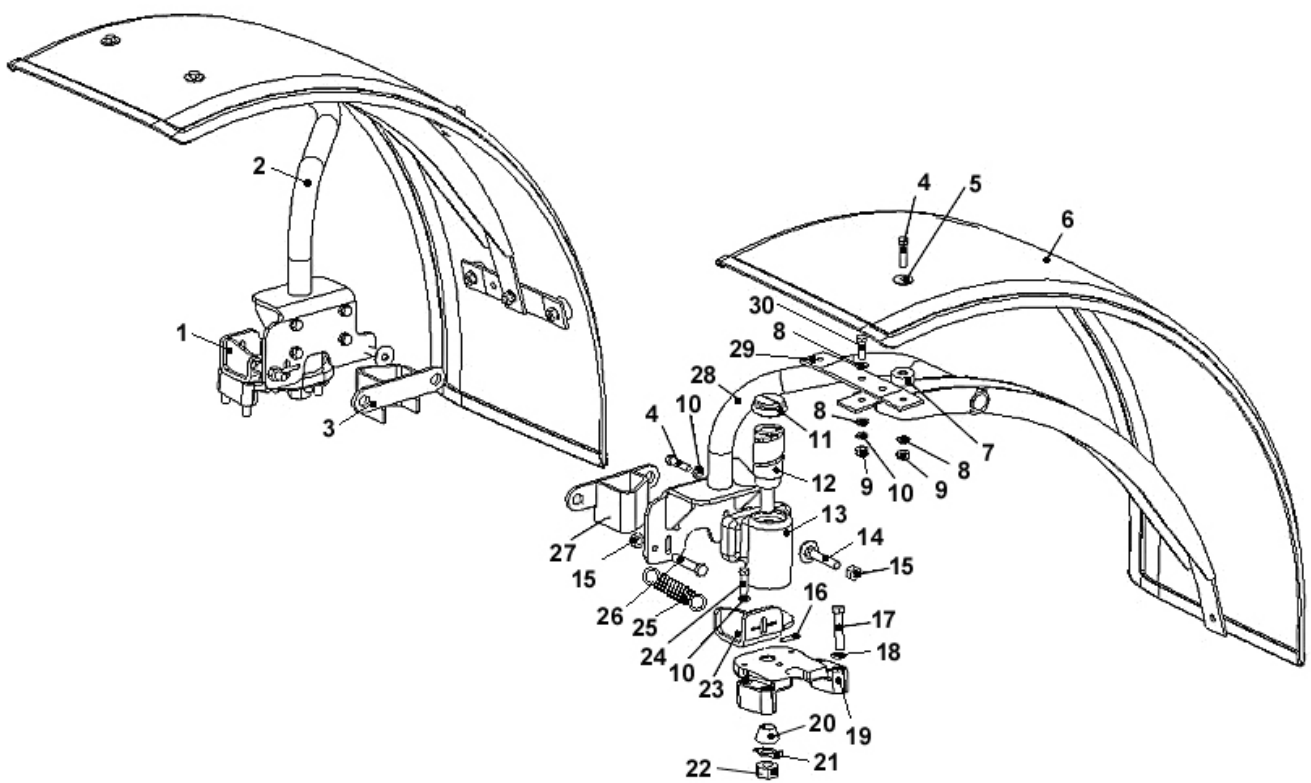


Fig.84.6. Front fenders (for FDA 822-2300020-04 with short tubes)

**Group 84. Empennage**  
**Subgroup 8403. Front fenders**  
 (for FDA 822-2300020-04 with short tubes)

| Fig. No. | Pos. No.                         | Designation                      | Q-ty | Description |
|----------|----------------------------------|----------------------------------|------|-------------|
| 84.6     |                                  | 822-8403100/-01                  | 1    | Fender      |
|          | 1                                | 822-8403110-01                   | 1    | Bracket     |
|          | 2                                | 822-8403115-01                   | 1    | Pillar      |
|          | 3                                | 822-8403120                      | 1    | Stop        |
|          | 4                                | M10-6gx40.88.35.019 ГОСТ 7796-70 | 20   | Bolt        |
|          | 5                                | C 10.01.019 ГОСТ 6958-78         | 12   | Washer      |
|          | 6                                | 822-8403114                      | 2    | Fender      |
|          | 7                                | 80-4616017                       | 12   | Roller      |
|          | 8                                | C 10.01.019 ГОСТ 11371-78        | 24   | Washer      |
|          | 9                                | M10-6H.6.019 ГОСТ 5915-70        | 18   | Nut         |
|          | 10                               | 10 OT OCT 37.001.115-75          | 16   | Washer      |
|          | 11                               | 822-8403109                      | 2    | Choke       |
|          | 12                               | 822-8403107                      | 2    | Axle        |
|          | 13                               | 822-8403106                      | 1    | Bracket     |
|          | 14                               | 822-8403130                      | 2    | Stop        |
|          | 15                               | M12-6H.6.019 ГОСТ 5915-70        | 4    | Nut         |
|          | 16                               | 822-8403101                      | 4    | Pin         |
|          | 17                               | M12-6gx60.88.35.019 ГОСТ 7796-70 | 8    | Bolt        |
|          | 18                               | 12 OT OCT 37.001.115-75          | 8    | Washer      |
|          | 19                               | 822-8403108                      | 2    | Base        |
|          | 20                               | 822-8403129                      | 2    | Bush        |
|          | 21                               | 20 OT OCT 37.001.115-75          | 2    | Washer      |
|          | 22                               | M20-6H.6.019 ГОСТ 5915-70        | 2    | Nut         |
|          | 23                               | 822-8403110                      | 1    | Bracket     |
|          | 24                               | M10-6gx35.88.35.019 ГОСТ 7796-70 | 2    | Bolt        |
|          | 25                               | 822-8403102                      | 2    | Spring      |
|          | 26                               | M12-6gx50.88.35.019 ГОСТ 7795-70 | 2    | Bolt        |
|          | 27                               | 822-8403120-01                   | 1    | Stop        |
|          | 28                               | 822-8403115                      | 1    | Pillar      |
|          | 29                               | 822-8403104                      | 6    | Strip       |
| 30       | M10-6gx30.88.35.019 ГОСТ 7796-70 | 6                                | Bolt |             |

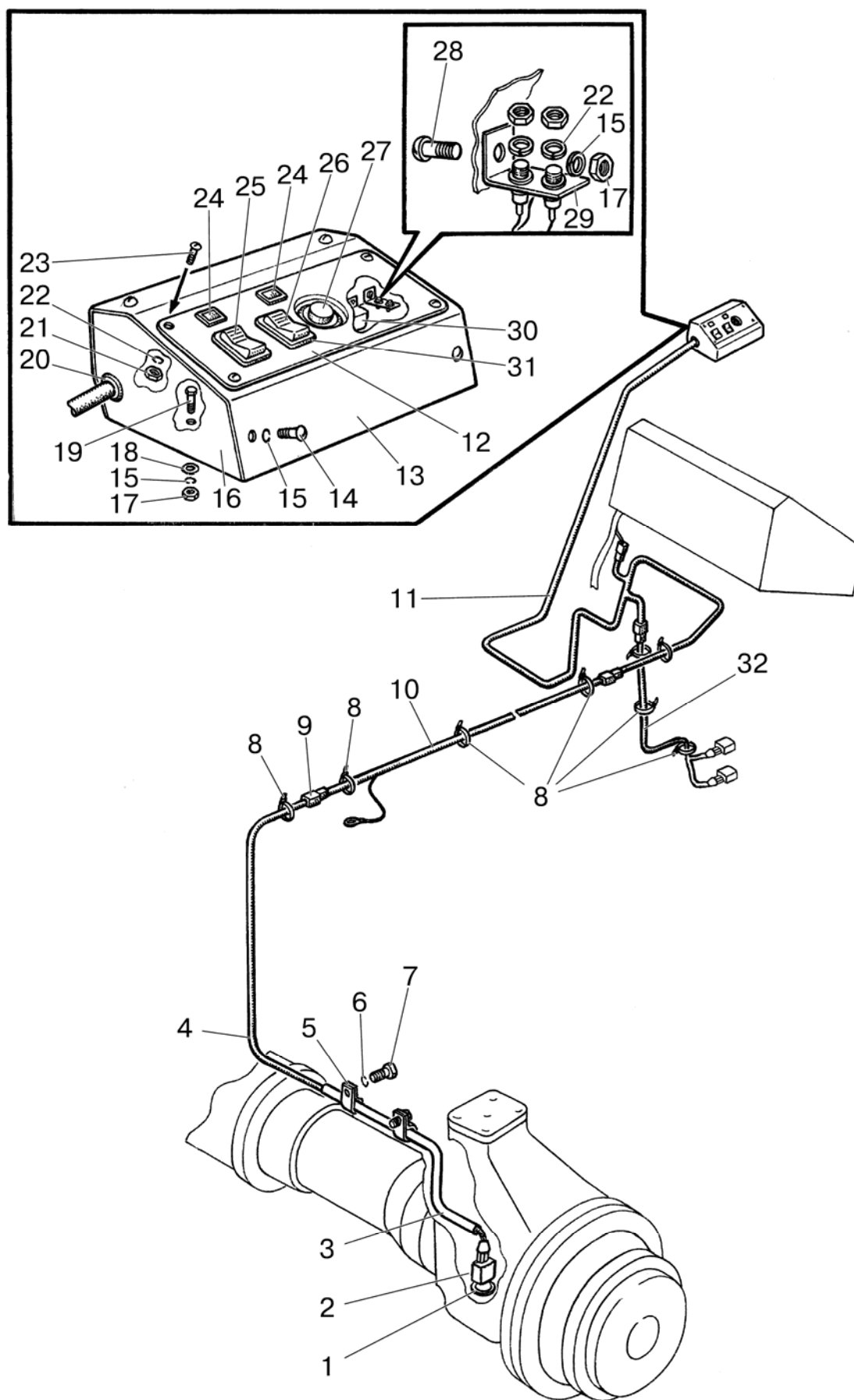


Fig.87.1. Differential lock and PTO control (electrical part)  
for Belarus- 920.2/920.3/952.2/952.3

**Group 87. Control system**  
**Subgroup 8700. Differential lock and PTO control (electrical part)**  
 for Belarus- 920.2/920.3/952.2/952.3

| Fig. No. | Pos. No. | Designation                     | Q-ty     | Description      |
|----------|----------|---------------------------------|----------|------------------|
| 87.1     | 1        | 50-1702048                      | 10 (max) | Adjusting spacer |
|          | 2        | BK 12-51                        | 1        | Switch           |
|          | 3        | 822-8700021                     | 1        | Pipe             |
|          | 4        | 1221-3724840-B                  | 1        | Bundle           |
|          | 5        | 1221-8700022                    | 2        | Clamp            |
|          | 6        | 8T OCT 37.001.115-75            | 2        | Washer           |
|          | 7        | M8-6gx16.88.35.019 ГОСТ 7796-70 | 2        | Bolt             |
|          | 8        | 80-3723045                      | 14       | Cuff             |
|          | 9        | 602602                          | 1        | Female connector |
|          | 10       | 822-3724825                     | 1        | Bundle           |
|          | 11       | 1021-3724820                    | 1        | Bundle           |
|          | 12       | 1021-8700316                    | 1        | Panel            |
|          | 13       | 1221-6700411                    | 1        | Cover            |
|          | 14       | BM6-6gx12.58.019 ГОСТ 17473-80  | 4        | Screw            |
|          | 15       | 6T OCT 37.001.115-75            | 8        | Washer           |
|          | 16       | 1221-6700420                    | 1        | Base             |
|          | 17       | M6-6H.6.019 ГОСТ 5915-70        | 4        | Nut              |
|          | 18       | C6.01.019 ГОСТ 11371-78         | 2        | Washer           |
|          | 19       | M6-6gx35.88.35.019 ГОСТ 7798-70 | 2        | Bolt             |
|          | 20       | 70-3723042-01                   | 1        | Bush             |
|          | 21       | M5-6H.6.019 ГОСТ 5927-70        | 4        | Nut              |
|          | 22       | 5T OCT 37.001.115-75            | 6        | Washer           |
|          | 23       | BM5-6gx16.58.019 ГОСТ 17475-80  | 4        | Screw            |
|          | 24       | 2202.3603-34 or<br>12.3803-31   | 2        | Pilot lamp       |
|          | 25       | П150-06.17 or<br>П150М-06.14    | 1        | Switch           |
|          | 26       | П147-01.17 or<br>П147М-01.17    | 1        | Switch           |
|          | 27       | BK12-1                          | 1        | Switch           |
|          | 28       | BM6-6gx16.58.019 ГОСТ 17473-80  | 2        | Screw            |
|          | 29       | 1522-8700221                    | 1        | Bracket          |
|          | 30       | 90.3747                         | 2        | Relay            |
|          | 31       | 80-3801021                      | 2        | Switch socket    |
|          | 32       | 1021-3724830-Д                  | 1        | Bundle           |