

OPERATION AND MAINTENANCE MANUAL
Serie MAXTER 60
Serie CLUSTER 70
06381134 **Edition 01 (English)**

MANUFACTURER



Technology as a passion.

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GENERAL INFORMATION



ORIGINAL INSTRUCTIONS

INTRODUCTION

This manual contains a description of how the machine operates and instructions about how to correctly use the machine and perform the main routine and supplementary servicing operations. This manual is divided into chapters for practical consultation.

This manual must always be consigned together with the machine if this is transferred or sold. If the manual is damaged or lost, order a new copy from the manufacturer or from the previous owner. This manual is an integral part of the machine

The confidence you have shown in our company by choosing equipment carrying our trademark will be amply repaid by the excellent service it will give you over the years.

Correct use and normal routine maintenance will generously rewarded in performance, output and savings.

DECLARATION OF CONFORMITY

Declaration of conformity are at the end of the manual.

MODELS AND VERSIONS



Maxter 60
Maxter 60 RS



Cluster 70
Cluster 70 RS
Cluster 70 RS VARIANT
Cluster 70 RS REV
Cluster 70 RS REV VARIANT

Key to versions

SN = machine pivoted at the center.

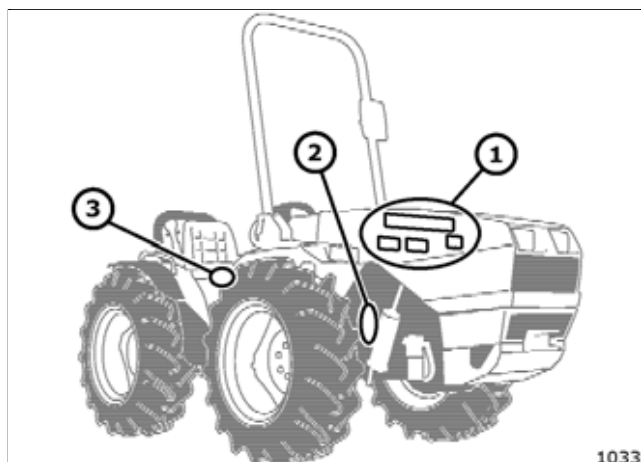
RS = machine with steering wheels.

REV = machine with reversible cockpit.

VARIANT = commercial specification.

MACHINE IDENTIFICATION

Identification criteria

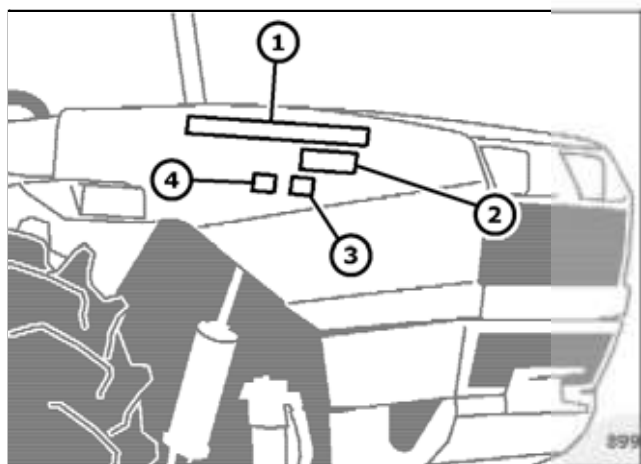


1033

The machine is identified in three different ways:

- ① With decals.
- ② Punch marks on chassis.
- ③ With a metal plate.

Decals



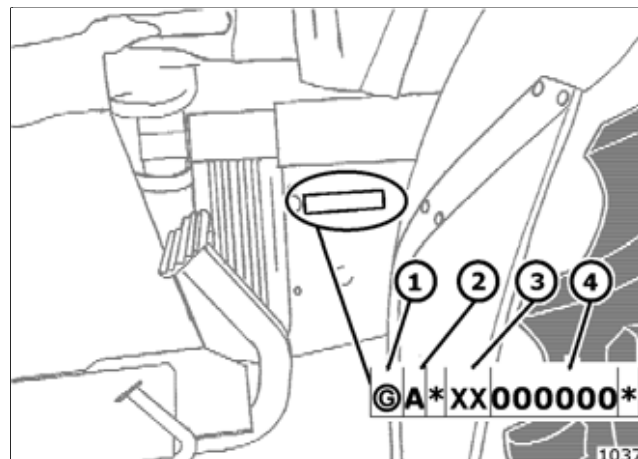
899

The decals affixed to the bonnet indicate:

- ① Brand.
- ② Series
- ③ Model
- ④ Version.

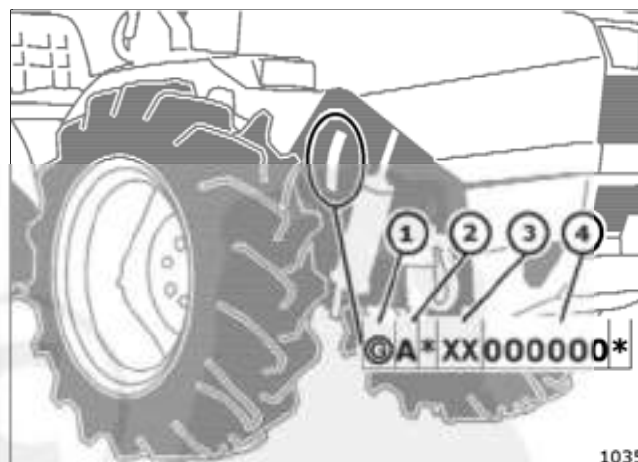
Punch marks on chassis

 Indications valid for pivoted at the center versions



1037


 Indications valid for RS versions



1035

- ① Manufacturer's code.
- ② Production series.
- ③ Type of machine.
- ④ Identification number (serial number).

Metal plate

41042 GOLDONI S.p.A. 	
Migliarina di Carpi (MODENA) ITALY	
Den.com: <input type="text" value="1"/>	Serie: <input type="text" value="2"/>
Type: <input type="text" value="3"/>	Var/Vers: <input type="text" value="4"/> ABS: <input type="text" value="5"/>
Nr. OMOLOGAZIONE: <input type="text" value="6"/>	
EEC number: <input type="text" value="6"/>	
Numero d'identificazione: <input type="text" value="7"/>	
Identification number: <input type="text" value="7"/>	
Massa totale ammissibile:	<input type="text" value="8"/> Kg
Allowable total weight:	<input type="text" value="8"/> Kg
Carico ammissibile asse anteriore:	<input type="text" value="9"/> Kg
Allowable load on front axle:	<input type="text" value="9"/> Kg
Carico ammissibile asse posteriore:	<input type="text" value="10"/> Kg
Allowable load on rear axle:	<input type="text" value="10"/> Kg
Massa rimorchiabile ammissibile:	NAZ. 13 EEC 12
Allowable towing weight:	
-Non frenata: -Unbraked:	<input type="text" value="11"/> Kg <input type="text" value="12"/> Kg
-Con frenatura indipendente: -Independent braking:	<input type="text" value="13"/> Kg <input type="text" value="14"/> Kg
-Con frenatura ad inerzia: -Inertial braking:	<input type="text" value="15"/> Kg <input type="text" value="16"/> Kg
-Con frenatura assistita: -Assisted braking:	<input type="text" value="17"/> Kg <input type="text" value="18"/> Kg
MADE IN ITALY	

The metal plate gives the following information:

- 1 Commercial denomination
- 2 Production series
- 3 Type of machine
- 4 Variant
- 5 ABS coefficient
- 6 Approval number
- 7 Identification number (serial number)
- 8 Total permissible weight (KG)
- 9 Permissible load on front axle (KG)
- 10 Permissible load on rear axle (KG)
- 11 Non-braked permissible towed weight (in Italy) (KG)
- 12 Non-braked permissible towed weight (European) (KG)
- 13 Permissible towed weight with independent braking (in Italy) (KG)
- 14 Permissible towed weight with independent braking (European) (KG)
- 15 Permissible towed weight with overrunning braking (in Italy) (KG)
- 16 Permissible towed weight with overrunning braking (European) (KG)
- 17 Permissible towed weight with power braking (in Italy) (KG)
- 18 Permissible towed weight with power braking (European) (KG)

IDENTIFICATION OF THE COMPONENTS

The machine consists of a series of main components which are each identified by a metal data plate and/or by punch marks.

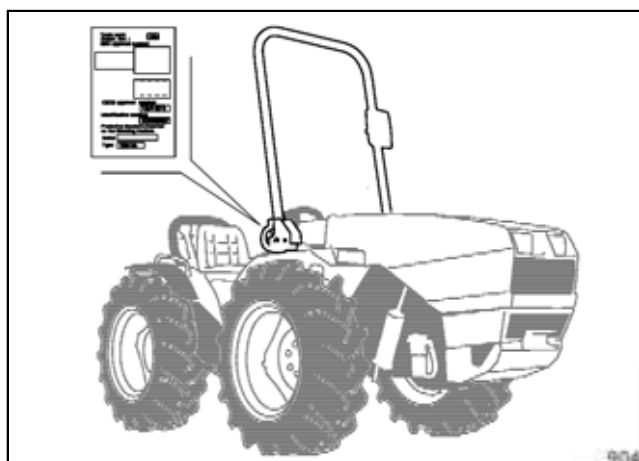
Engine

Metal data plate and punched code number.



See engine's operation and maintenance manual.

Safety frame



- Decal with the Type of safety frame.

Meaning of OCSE / OECD codes:

- OECD/OCSE 6: The safety frame has passed the ROPS (Roll Over Protection Structure) tests for the front frame. The driver is protected if the machine overturns.
- OECD/OCSE 7: The safety frame has passed the ROPS (Roll Over Protection Structure) tests for the rear frame. The driver is protected if the machine overturns.
- OECD/OCSE 10: The safety frame has passed the FOPS (Falling Object Protective Structure) tests. The frame withstands falling objects with 1365 Joule energy level.

 The safety frame of the machine conforms to OECD 6

Make: ①
 Trade mark: ②
 Comm. den.:
 EEC approval number: ③

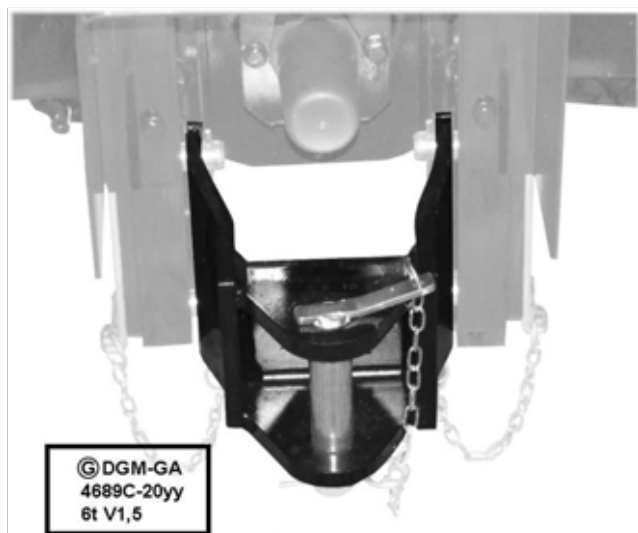
OECD approval number ④
 Identification number: ⑤
 Protective structure mounted on the following tractors:
 Make: ⑥
 Type: ⑦

- ① Manufacturer of the protection structure
- ② Denomination of the protection structure
- ③ EEC approval code
- ④ OCSE / OECD approval code
- ⑤ Identification number (serial number).
- ⑥ Tractor brand
- ⑦ Variant/version

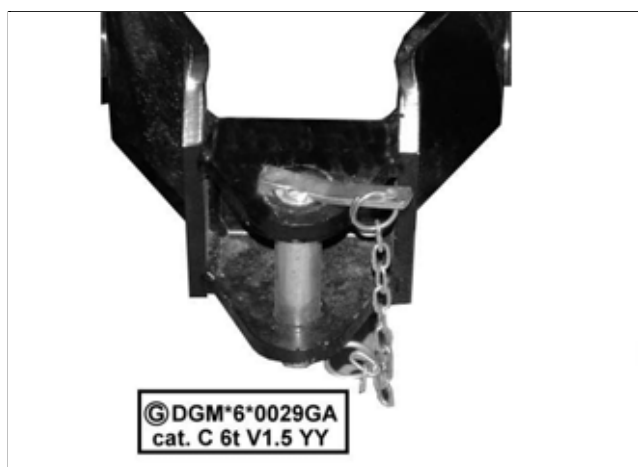
Towing attachments

Type CUNA
Cat. C

Maxter



Cluster



Code punched on device:

- Make
- Type of device

AFTER SALES

Warranty

Engine: conditions and terms established by the manufacturer

Tractor: within the terms laid down by our Certificate of Warranty.

Assistance

Contact the AUTHORIZED sales network



The Assistance Service provides specialized personnel able to work on our products. It is the only Service authorized to work on products covered by the warranty.

Use of Genuine Spare Parts and compliance with the scheduled servicing operations according to the prescribed frequency will preserve the qualities of the machine over time and will entitle you to the WARRANTY that covers the product throughout the established period.

Spares



To order spares: Contact our Spares Assistance centres with the following information: **model, series and serial number of the machine**, punched on the data plate.

HOW TO READ THE MANUAL



Certain sections of this manual containing information of particular importance in relation to safety or operation, are highlighted in the following way:



DANGER

Failure to comply with the instructions could lead to serious danger and serious personal injuries or harm to third parties.



WARNING

Failure to comply with the instructions could cause personal injuries or harm third parties.



IMPORTANT

The information is given with the intention of preventing damage to the machine or causing damage.

This manual is your operation and maintenance guide.

You are advised to strictly comply with the instructions herein and to consider the manual as an integral part of the product: it must be kept near the machine and consigned to all future users.

The illustrations, descriptions and specifications in this manual are not binding.

Our Company reserves the right to make any modifications dictated by technical or commercial requirements at any moment considered necessary.

Consult the specific manuals for safe operation and maintenance instructions about those parts of the machine manufactured by third parties.



All indications as to the "front", "rear", "right" and "left" parts of the machine refer to the operator on the machine.

A series of symbols have been made to make the texts easier to understand. Their meanings are described below:



Warning



Environment



Recycling



Legislation



Information



Instructions



Check



Clean with compressed



Adjustment



Lubrication



Greasing



Fluid changes



Part replacements



Set intervals



Washing



Work hours



When necessary.




Top up the level




Top up the level





Top up the level


 **DANGER**
Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.


 **DANGER**
Do not leave the engine running in an closed room: the exhaust fumes are poisonous.


 **DANGER**
Do not leave the machine with engine running near flammable substances.


 **DANGER**
After any maintenance work, grease and remove the grease from the engine to prevent the risk of a fire.


 **DANGER**
Keep hands and other parts of the body away from holes or leaks in the hydraulic system: the hydraulic fluid that spurts from the leak is under pressure and can cause serious injuries.


 **WARNING**
Do not tamper with the machine or the implements in any way.


 **WARNING**
Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.


 **WARNING**
Always park the tractor so that its stability is guaranteed by applying the parking brake and engaging a gear (1st gear uphill and reverse downhill) and applying the parking brake. Use a chock for greater safety.


 **WARNING**
Before driving the machine, check to be sure that there are no bystanders or animals within its range of action.


 **WARNING**
Do not leave the machine unattended with the engine running and/or the key in the ignition.


 **WARNING**
The operator must check to make sure that all parts of the tractor, especially the safety devices, are in a good working condition and that they always conform to the purpose for which they were designed. They should be kept in a perfectly efficient condition. If you note any defects or faults, fix or repair them in good time. If necessary contact your nearest Assistance Centre.

 **IMPORTANT**
Check the nuts and bolts of the wheels and safety frame from time to time, always with the engine shut off.

 **DANGER**
Safety decals have been affixed to various parts of the machine. They indicate potential dangers.

 **IMPORTANT**
The decals must be kept clean and legible. If damaged, they must be replaced.

 **WARNING**
Always disconnect the battery's ground cable (negative pole with the "-" symbol) before working on the electrical system.

 **WARNING**
Work on the battery requires particular care: battery acid is corrosive and the gases released are inflammable.



It is of fundamental importance to safeguard the environment. Incorrect waste disposal can alter the environment and the ecological system.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



Do not use food or drink containers, which could lead to mistakes, to drain off fluids like fuels, lubricants, coolants or other.



Contact an authorized organization or ask your dealer for advice about how to recycle or dispose of waste products in the correct way.



Do not dispose of parts of the cooling system (such as radiators, fluids, tanks, etc.) in the environment.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

Manual update

The information, descriptions and illustrations in this manual reflect the state-of-the-art at the time the machine was marketed.

The manufacturer reserves the right to make any modifications dictated by technical or commercial requirements at any time.

Such modifications do not oblige the manufacturer to modify the vehicles marketed up to that time nor to consider this publication to be inadequate.

Any integrations the manufacturer may provide must be kept together with the manual and will be considered an integral part of this latter.

Copyright

The copyrights of this manual belong to the manufacturer of the machine. This manual contains texts, drawings and illustrations of a technical kind that can neither be wholly nor partly disclosed or transmitted to third parties without written authorization from the manufacturer of the machine.


Standard symbols

Standard symbols have been used to ensure the machine is used in the best way.


	Hydraulic circuit filter		Driving beam		Oil
	Dipped beam		Transmission		Field light
	Differential lock		Parking light		Power take-off
	Side lights.		Power take-off rotation		Hazard lights
	Clutch		Indicator light		Parking brake
	Turn indicator		Four-wheel drive		Trailer turn indicator
	Guard lowered		Horn.		Forward direction
	Battery charger		Low speeds		Safety belts
	Work hours		Normal speeds		Idle
	Fuel level		Fast speeds		Clockwise rotation
	Fuel filter		Idle		Counter-clockwise rotation
	Engine preheating		Direction reverser		Air ventilation
	Engine air filter		Rotational accelerator		Air heating
	Engine oil pressure		Linear accelerator		Air conditioning
	Engine oil filter		Power lift		Windscreen wiper
	Engine temperature		Power lift - Up		Windscreen wiper and window washer
	Air valve		Power lift - Down		Rear window wiper
	Hydraulic circuit		Power lift – Floating mode		Rear window wiper and window washer


SAFETY


SAFETY REGULATIONS


 **DANGER**
There is no substitute for prudence to make your work safer and to prevent accidents.
The following recommendations are important for all users of our machines:

 **IMPORTANT**
Failure to follow the regulations relieves our firm from all liability.


 **DANGER**
Do not go downhill with the clutch disengaged or the gear shift in neutral. Use the engine to brake the machine. If you find you are using the brake a lot when going downhill, shift to a lower gear.


 **DANGER**
Check to make sure that all revolving parts on the machines (PTO, cardan couplings, pulleys etc.) are fully guarded.


 **DANGER**
Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.

 **DANGER**
Do not leave the engine running in an closed room: the exhaust fumes are poisonous.


 **DANGER**
Do not leave the machine with engine running near flammable substances.


 **DANGER**
After any maintenance work, grease and remove the grease from the engine to prevent the risk of a fire.


 **DANGER**
Keep hands and other parts of the body away from holes or leaks in the hydraulic system: the hydraulic fluid that spurts from the leak is under pressure and can cause serious injuries.


 **DANGER**
Do not carry persons or equipment on the tractor beyond the number allowed by the Certificate of Approval or provided as standard equipment.


 **DANGER**
Do not get on or off the machine while it is moving.


 **WARNING**
Do not tamper with the machine or the implements in any way.


 **WARNING**
Before starting the engine make sure that the gear shift and the PTO are in neutral.


 **WARNING**
Engage the clutch gradually to prevent the machine from suddenly moving off or pitching up at the front.


 **WARNING**
Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.

 **WARNING**
Always park the tractor so that its stability is guaranteed by applying the parking brake and engaging a gear (1st gear uphill and reverse downhill) and applying the parking brake. Use a chock for greater safety.


 **WARNING**
Before driving the machine, check to be sure that there are no bystanders or animals within its range of action.


 **WARNING**
Do not leave the machine unattended with the engine running and/or the key in the ignition.


 **WARNING**
Whenever the PTO is in use, the drive shaft must be covered by the special guard.

 **WARNING**
The operator must check to make sure that all parts of the tractor, especially the safety devices, are in a good working condition and that they always conform to the purpose for which they were designed. They should be kept in a perfectly efficient condition. If you note any defects or faults, fix or repair them in good time. If necessary contact your nearest Assistance Centre.

 **IMPORTANT**
Follow the traffic code when driving on the roads.


 **IMPORTANT**
Check the nuts and bolts of the wheels and safety frame from time to time, always with the engine shut off.

 **IMPORTANT**
Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.

 **IMPORTANT**
Avoid tight steering angles when towed implements are mounted and the drive shaft is under strain since the coupling could be damaged.


 **IMPORTANT**
Do not use the power lift's third-point


as a towing hitch.

 **IMPORTANT**
Adjust the hitch to its lowest possible positions to prevent the machine from pitching up at the front.

 **IMPORTANT**
Keep the chains taut and the power lift raised when driving the machine with implements coupled to the three-point linkage.

 **IMPORTANT**
Only use the front tow hook for towing the machine in an emergency.

 **DANGER**
Do not drink fuels / lubricants / fluids. If these substances accidentally splash into the eyes, thoroughly rinse the affected part with plenty of water.

 **WARNING**
Lengthy or repeated contact of the skin with fuels / lubricants / fluids should be avoided as skin disorders or other damage could ensue.

SAFETY OPERATIONS

Training

- Read the instructions carefully. Become familiar with the controls and how to correctly use the machine.
- Never ever allow children or persons who are unfamiliar with these instructions to use the machine. Local regulations can restrict the age of the operator.
- Never operate the machine while people, especially children, or animals are nearby.
- Remember that the operator or the user is responsible for any accidents or risks to which third parties or their property may be subjected.
- Do not carry passengers.

All drivers should seek and obtain professional and practical instructions. Such instructions should emphasize:

- the need for care and concentration when working with ride-on machines;
- control of a machine sliding on a slope will not be regained by applying the brake;

The main reasons for loss of control are:

- insufficient wheel grip;
- driving too fast;
- inadequate braking;
- the type of machine is unsuitable for its task;
- lack of awareness of the effect of ground conditions, especially slopes;
- incorrect hitching and load distribution.

Preparation

- Check the machine with care before starting up each time
- The decals affixed to the machine provide important information: it is in the interests of your safety to comply with these indications.
- Make sure that the safety decals are in a good condition. If the decals are damaged or illegible, they must be replaced with other originals obtained from the manufacturer and affixed in the positions indicated in the operation and maintenance manual.
- Arbitrary modifications to this machine will relieve the manufacturer from all liability for resulting damage or injuries to the operators, to third parties and to things.
- The manufacturer cannot make provisions for every reasonably foreseeable improper use able to lead to a potential danger.
- Always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
- Thoroughly inspect the area where the equipment is to be used.
- **WARNING-Fuel is highly flammable.**
- Store fuel in containers specifically designed for this purpose.
- Refuel outdoors only and do not smoke while refueling.
To avoid the risk of the machine catching fire, periodically check the fuel pipe and replace it if it appears to be damaged to an extent that could impair its tightness.
- Refuel before starting the engine. Never remove the plug of the fuel tank or add fuel while the engine is running or hot.
- If fuel is spilled, do not attempt to start

the engine but move the machine away from the place of spillage and avoid creating any source of ignition until fuel vapors have dissipated.

- Securely tighten the plugs on the tank and containers.
- Replace faulty silencers.
- Clean all foreign materials from the machine (dirt, tools, objects in general) that could impair the way it operates or injure the operator.

Operation

- Do not operate the engine in a confined space where dangerous monoxide fumes can collect.
- Only operate in daylight or in good artificial light.
- Before attempting to start the engine, disengage all the PTOs, shift the gear to the neutral position and fully depress the clutch lever.
- If you must cross a steep slope, consult section: Danger of tipping over.

Remember that there is no such thing as a safe slope. Driving up and down grassy slopes requires particular care. To avoid overturning:

- do not stop or start suddenly when driving on slopes;
- engage the clutch slowly. Always keep the gear engaged, especially when traveling downhill;
- maintain a low speed on slopes and around tight turns;
- stay alert for humps and hollows and other hidden hazards;
- take the greatest care when working across the face of a slope.

Take care when pulling loads or using heavy implements:

- use only approved drawbar hitch points;
- limit loads to those you can safely control;
- do not turn sharply.
- take care when reversing;
- use counterweights or wheel ballast to increase the stability.
- Watch out for traffic when crossing or driving alongside roads.
- Never unload material in the direction of bystanders or allow anyone near the

machine while it is operating.

- Never operate the machine with defective guards or without the protective safety devices in their correct positions.
- Do not change the engine governor settings or over-rev the engine. Operating the engine at an excessive speed can increase the hazard of personal injury.

Before leaving the operator's position:

- disengage the drive to any attachments and lower them;
- change into neutral and lock the parking brake;
- stop the engine and remove the key.

Disengage the drive to the implements, stop the engine, disconnect the spark plug wires and remove the ignition key:

- before clearing blockages;
- before checking, cleaning, or working on the machine;
- after striking a foreign object. Inspect the machine for damage and make repairs before restarting and using implements;
- if the machine starts to vibrate abnormally (check immediately).
- Disengage the drive to implements when transporting or not in use.

Switch off the engine and disengage the drive to the implement:

- before refueling;
- before making height adjustment unless the adjustment can be made from the operator's position.
- Reduce the throttle setting when slowing and, if the engine is equipped with a shut-off valve, turn the fuel off at the end of the operations.
- Read, understand and follow all the instructions in the manual and on the

machine before starting.

- Inspect the machine before each job. For safety reasons, replace or repair damaged, very worn or missing parts. Make the necessary adjustments before you start work.
- Make sure that all drives are in neutral and that the parking brake is engaged before starting the engine. Only start the engine from the operator's position.
- Check brake action before you operate. Adjust or service the brakes as necessary.
- Stop machine if anyone enters the area in which you are working.
- Never leave the machine unattended when it is running.
- Take care when approaching blind corners, shrubs, trees and other objects that may impair the visibility.
- Only use the accessories and implements recommended by the manufacturer of the machine. Keep the safety decals visible when accessories or implements are fitted. Make sure that you have fully read the Instruction Manual of that accessory and/or of that implement and comply with the relative safety instructions.
- Do not use the machine if you are under the influence of medicines, alcohol or drugs.
- Before beginning to use the machine, check to make sure that the operator presence controls function correctly. Check the safety systems. Do not begin work unless they function correctly.
- Do not wear headphones to listen to music or the radio. Safe service and operation requires your full attention.

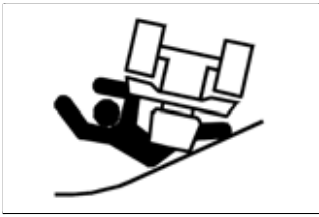
Maintenance and Storage

- **Keep all nuts, bolts and screws perfectly tightened so as to be sure that the machinery operates in safe conditions.**
- **Never store the equipment with fuel in the tank inside a building where fumes could reach an open flame or spark.**
- **Allow the engine to cool before storing the machine in a closed place.**
- **To reduce the risk of fire, keep the engine, silencer, battery compartment and fuel storage area free of grass, leaves, or excessive grease.**
- **For safety reasons, replace worn or damaged parts.**
- **If the fuel tank has to be drained, this should be done outdoors.**
- **When machine is to be parked, stored or left unattended, lower the attachment unless a positive mechanical lock is used.**

Parking Safely

- **Stop the machine on level ground, not on a slope.**
- **Disengage PTO and stop the implements.**
- **Lower implements to the ground.**
- **Lock the parking brake.**
- **Turn off the engine.**
- **Remove the key.**
- **Wait until the engine and all moving parts have stopped before you leave the operator's station.**
- **Close the fuel shut-off valve if the machine is equipped with this component.**

Avoid Tipping



- **Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or even death. All operations that take place on sloping ground require extra caution.**
- **Be aware that mechanical front wheel drive (MFWD) can improve access to dangerously sloping terrain, thereby increasing the possibility of overturning.**
- **Drive up and down hills, never across them.**
- **Watch out for holes, ruts, bumps, rocks or other hidden objects. Uneven terrain could cause the machine to overturn. Tall grass can hide obstacles.**
- **Take the utmost care on wet grass. Tires may lose their grip on slopes even though the brakes are functioning properly.**
- **Choose a low ground speed so you will not have to stop or shift gear on the slope.**
- **Always keep the gear engaged when going down slopes. Never coast downhill with the machine in neutral.**
- **Avoid starting, stopping or turning on slopes. If the tires lose their grip, disengage the PTO and proceed slowly, straight down the slope.**
- **Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction as this could cause the machine to tip over.**
- **Do not use the machine near ravines, ditches, embankments or bodies of water. The machine could suddenly tip over if a wheel goes over the edge or the edge caves in. Allow for a safety area between the machine and any hazard.**
- **The risk of tipping over increases to a considerable extent if the tires have been regulated with a narrow track width and the machine is driven at high speed.**
- **Comply with the manufacturer's recommendations for wheel weights or counterweights, which can increase stability when work is carried out on slopes or when front or rear-mounted implements are used. Remove the weights when they are not required.**
- **Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or even death. All operations that take place on sloping ground require extra caution.**

Keep Riders Off



- Only one operator is allowed to work on the machine. Do not carry passengers.
- Passengers on the machine or on the implement may be struck by foreign objects or be thrown off the machine, causing serious injury.
- Passengers obstruct the operator's view, resulting in the machine being operated in an unsafe manner.

Towing Loads Safely

- The stopping distance increases with speed and the weight of a towed load. Drive slowly and allow extra time and distance for stopping.
- The total towed weight must not exceed the combined weight of the tractor, ballast and operator. Use counterweights or wheel weights as described in the instruction manual of the implement or tractor.
- Towing of an excessively heavy load can cause loss of traction and loss of control on slopes. Reduce the towed weight when working on slopes.
- Never carry children or other persons in or on towed implements.
- Only use approved hitches. Only tow with a machine equipped with a hitch designed for towing. Only attach towed equipment to the approved hitch point.
- If you are unable to back up a slope with a towed load, it means that the slope is too steep to work on with the towed load. Reduce the towed load or do not operate.
- Do not turn sharply. Use additional caution when turning or operating under adverse surface conditions. Take care when reversing.
- Never coast downhill with the machine in neutral.

Stay Clear of Rotating

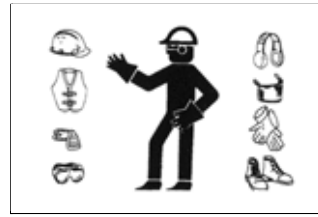


- Entanglement in rotating driveline can cause serious injury or death.
- Wear close fitting clothing.
- Stop the engine and make sure that the PTO driveline has stopped before going near the PTO shaft.

Checking Wheel Hardware

- A serious accident could occur causing serious injury unless the wheel hardware is securely tightened.
- Check the tightness of the wheel hardware often during the first 100 hours of operation.
- The wheel hardware must be tightened to the specified torque value using the correct procedure whenever it works loose.

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- The following equipment is required:
 - safety goggles or safety glasses with side shields
 - a hard hat when working with the machine
 - protective gloves (in neoprene for chemical products, in leather for heavy-duty work)
 - protective ear muffs or ear plugs
 - respirator or filtering mask
 - close fitting, waterproof clothing
 - reflecting garments
 - safety footwear

Practice Safe Maintenance



- The only authorized interventions are the ones described in the **MAINTENANCE** chapter. All other interventions must be carried out by the technicians of workshops authorized. Your dealer will be able to provide information about your nearest authorized servicing center.
- Routine servicing of the machine may only be carried out by qualified and trained adults. Fully familiar with the procedure before performing servicing work.
- Do not operate the machine in a confined space where dangerous monoxide fumes can collect.
- Keep all nuts, bolts and screws perfectly tightened so as to be sure that the machinery operates in safe conditions.
- Never ever tamper with the safety devices. Check them regularly to make sure that they function properly.
- Prevent grass, leaves and other debris from building up on the machine. Clean up spilt oil or fuel and remove any fuel-soaked debris. Allow the machine to cool before storing.
- Never make adjustments or repairs with the engine running. Wait for all movement in the machine to stop before making adjustments, cleaning or repairing.
- Check brake operation frequently. Have the brakes adjusted

and serviced by an authorized workshop when required.

- Replace the safety instruction decals if damaged.
- Keep hands, feet, clothing, jewelry and long hair well away from moving parts and control levers to prevent them from getting caught.
- Lower any implements to the ground before cleaning or servicing the machine. Disengage all electric power sources and stop the engine. Lock the parking brake and remove the key. Allow the machine to cool.
- Securely support any machine components that must be raised for service work. Use stands or lock service latches to support the components when needed.
- Disconnect the battery or remove the spark plug wire (for gasoline engines) before making any repairs. First disconnect the negative terminal and then the positive one. First install the positive terminal and then the negative one.
- Before servicing the machine or implement, carefully relieve the pressure from all components with stored energy, such as hydraulic components or springs.
- Relieve the hydraulic pressure by lowering the implement or cutting equipment to the ground or to the mechanical stop point and move the hydraulic control levers back and forth.
- Keep all parts in a good condition and properly installed. Repair all damage immediately. Replace worn or broken parts.
- Charge the batteries in an open, well-ventilated area, well away from sparks. Unplug the battery charger before connecting or disconnecting it

to or from the battery. Wear protective clothing and use insulated tools.

Avoid High Pressure Fluids

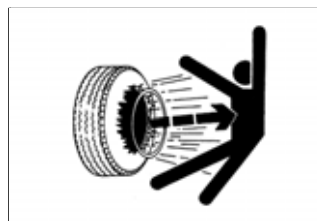


- Hydraulic hoses and lines can fail due to physical damage, kinks, age and exposure. Check the hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check the connections regularly. Tighten any loose connections.
- Escaping fluid under pressure can penetrate the skin, causing serious injury. Avoid this hazard by relieving the pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- Seek medical help immediately if an accident occurs. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Physicians who are unfamiliar with this type of injury should refer to a reliable medical source.

Prevent Fires

- Remove grass and debris from the engine compartment and silencer area before and after using the machine.
- Always shut off the fuel valve, if installed, when the machine is stored or transported.
- Do not park the machine near an open flame or source of ignition, such as a water heater or a boiler.
- Frequently check the fuel lines, the tank, plugs and fittings for cracks or leaks. Replace them if necessary.
- Never store the machine with fuel in the tank inside a building where fumes could reach an open flame or spark.
- Allow the engine to cool before storing the machine in a closed place.

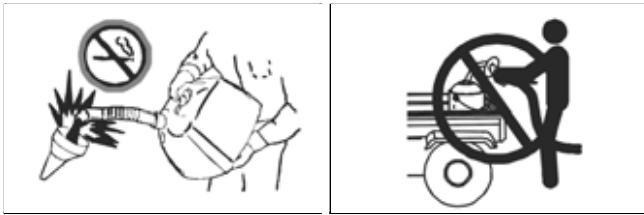
Tire Safety



Explosive separation of a parts of tire and rim can cause serious injury or death:

- Never attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. Heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand on one side and NOT in front of or over the tire assembly.
- Check tires for low pressure, cuts, blisters, damaged rims or missing lug bolts and nuts.

Handling Fuel Safely



To avoid personal injury or property damage, use extreme care in handling fuel. Fuel is extremely flammable and fuel vapors are explosive.

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved non-metal, portable fuel containers. If using a funnel, make sure it is plastic and has no screen or filter.
- Never remove the fuel tank cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never add fuel to or drain fuel from the machine indoors. Move machine outdoors and provide adequate ventilation.
- Clean up spilled fuel immediately. If fuel is spilled on clothing, change clothing immediately. If fuel is spilled near machine, do not attempt to start the engine but move the machine away from the area of spillage. Avoid creating any source of ignition until fuel vapors have dissipated.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.
- Prevent fire and explosion caused by static electric discharge. Static electric discharge can ignite fuel vapors in an ungrounded fuel container.
- Never fill containers inside a vehicle or

on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before fueling.

- Remove fuel-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a fuel dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until the fueling is complete. Do not use a nozzle lock-open device.
- Never overfill fuel tank. Replace fuel tank cap and tighten securely.
- Replace all fuel container caps securely after use.
- For gasoline engines, do not use gas with methanol.

Methanol is harmful to your health and to the environment.

Handling Waste Product and Chemicals

Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people:

- Never ever use beverage containers for waste fluids: someone may drink from them.
- Contact your local Recycling Center or authorized dealer for information about how to recycle or dispose of waste products.
- Use oil must be collected and must not be dispersed in the environment since, in accordance with the current laws, it is classified as dangerous waste and as such, must be taken to an authorized collection center.

ECOLOGY



It is of fundamental importance to safeguard the environment. Incorrect waste disposal can alter the environment and the ecological system.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



Do not use food or drink containers, which could lead to mistakes, to drain off fluids like fuels, lubricants, coolants or other.



Do not dispose of parts of the cooling system (such as radiators, fluids, tanks, etc.) in the environment.





Contact an authorized organization or ask your dealer for advice about how to recycle or dispose of waste products in the correct way.





ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

JOBS IN FORESTRY

 **DANGER**
Take great care of falling trees and branches if a log crane is mounted on the rear part of the tractor.


 **DANGER**
Take great care if a winch is mounted on the rear part of the tractor as trees could enter the space where the drivers sits.

 **WARNING:**
The machine is not suitable for forestry work as it is without a safety structure able to sufficiently protect the operator from the risks indicated above.

 **WARNING:**
Implements such as log grabs and/or winches cannot be hitched to the machine.

WORK WITH CROP SPRAYERS (RISK OF HAZARDOUS SUBSTANCES)

Consult your operation and maintenance manual for instructions about maintenance and how to perform the servicing operations.

 **WARNING:**
Both towed and mounted crop sprayers can be used but to reduce the risk of intoxication, it is obligatory to use Personal Protective Equipment

 **WARNING:**
It is obligatory to use Personal Protective Equipment regardless of the chemicals used.

SAFETY DEVICES

Safety frame

The term protection frame is commonly understood to mean the device that protects the user if the machine overturns. This term therefore refers to both the cab and the roll bar.

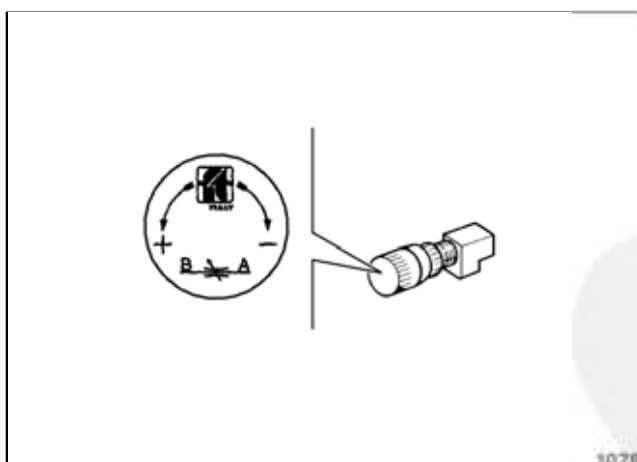
Depending on the versions, agricultural tractors and self-propelled machines can be fitted with one of the two types of protection frame

WARNING
The roll bar must be kept in the vertical position during work.
There are no conditions of work for which the roll bar is allowed to remain in the lowered position.

WARNING
When in the horizontal position, the safety frame will provide no protection if the tractor tips up.

WARNING
Make sure that the roll bar is in the correct position before starting the engine.

Power lift lock



IMPORTANT
Fully screw-in the adjuster to lock the implement in both the raised and lowered position. This provides a safety function when implements are

transported on the roads.

Safety belts



DANGER
Wear the safety belts when you use the machine with the safety frame (roll-bar or ROPS) to reduce the risk of accidents if the tractor tips up.

DANGER
Do not wear the seat belt if you use the machine with the roll-bar in the horizontal position.

SAFETY DECALS



DANGER

Safety decals have been affixed to various parts of the machine. They indicate potential dangers.



IMPORTANT

The decals must be kept clean and legible. If damaged, they must be replaced.



IMPORTANT

Some of the machine components can be equipped with the manufacturer's specific safety decals.



NOISE

Table of maximum noise levels

Model	Variant/version	Type-approval N°	Maximum noise level perceived at driver's seat dB (A) Chapter II
Maxter 60	ZA 6300	e1*2003/37*0311	86
Maxter 60 RS	ZS 6300	e1*2003/37*0314	86
Cluster 70	ZA 7300	e1*2003/37*0311	85
Cluster 70 RS	ZS 7300I	e1*2003/37*0314	85
Cluster 70 RS VARIANT	ZS 7300D	e1*2003/37*0314	85
Cluster 70 RS REV	ZS 730VI	e1*2003/37*0314	85
Cluster 70 RS REV VARIANT	ZS 730VD	e1*2003/37*0314	85

Noise level information



The values of the noise produced by the tractors described in the Operation and Maintenance Manual, are given in compliance with Directive 77/311/EEC concerning noise levels perceived by the driver of wheeled agricultural tractors.



Since it is impossible for the manufacturer to foresee the normal working conditions in which the agricultural tractor will be operated by the user, the noise levels have been defined in accordance with the methods and conditions conforms to Directive 77/311/EEC (repealed by 2009/76/EEC) concerning noise levels perceived by the driver of wheeled agricultural tractors.

Recommendations for the user



IMPORTANT

Remember that the agricultural tractor may be employed in different ways, and may be connected to an infinite number of implements. In order to ensure that drivers are protected against risks deriving from exposure to noise, the entire tractor-implement group must be considered.



IMPORTANT

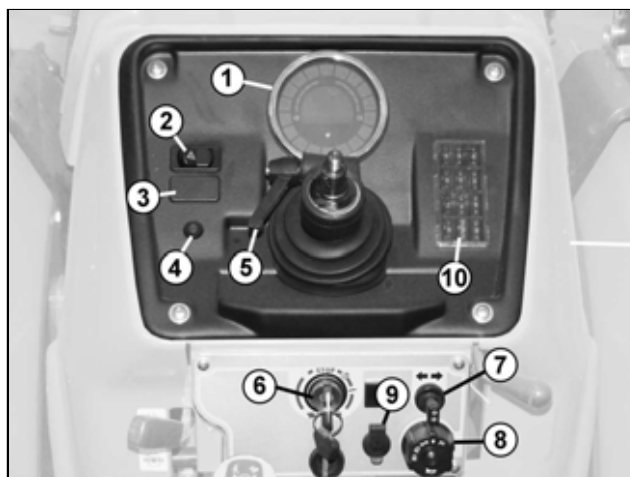
In view of the above-mentioned noise levels and the consequent health risk, the user must adopt the appropriate precautionary measures, as required by regulations in the country.

OPERATING INSTRUCTIONS

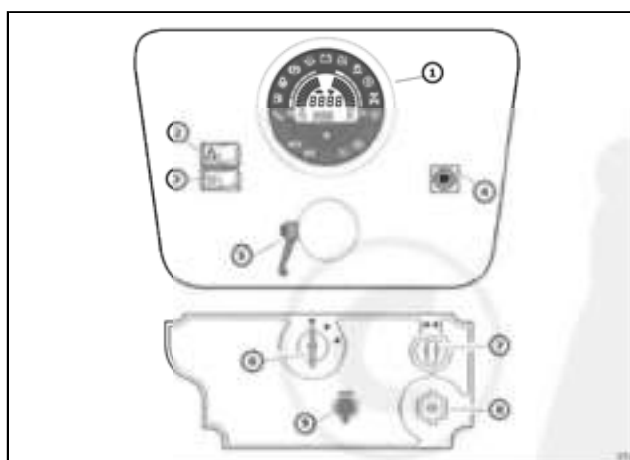
CONTROLS AND INSTRUMENTS

Dashboard

Maxter



Cluster



Indications valid for pivoted at the center versions



Indications valid for RS versions

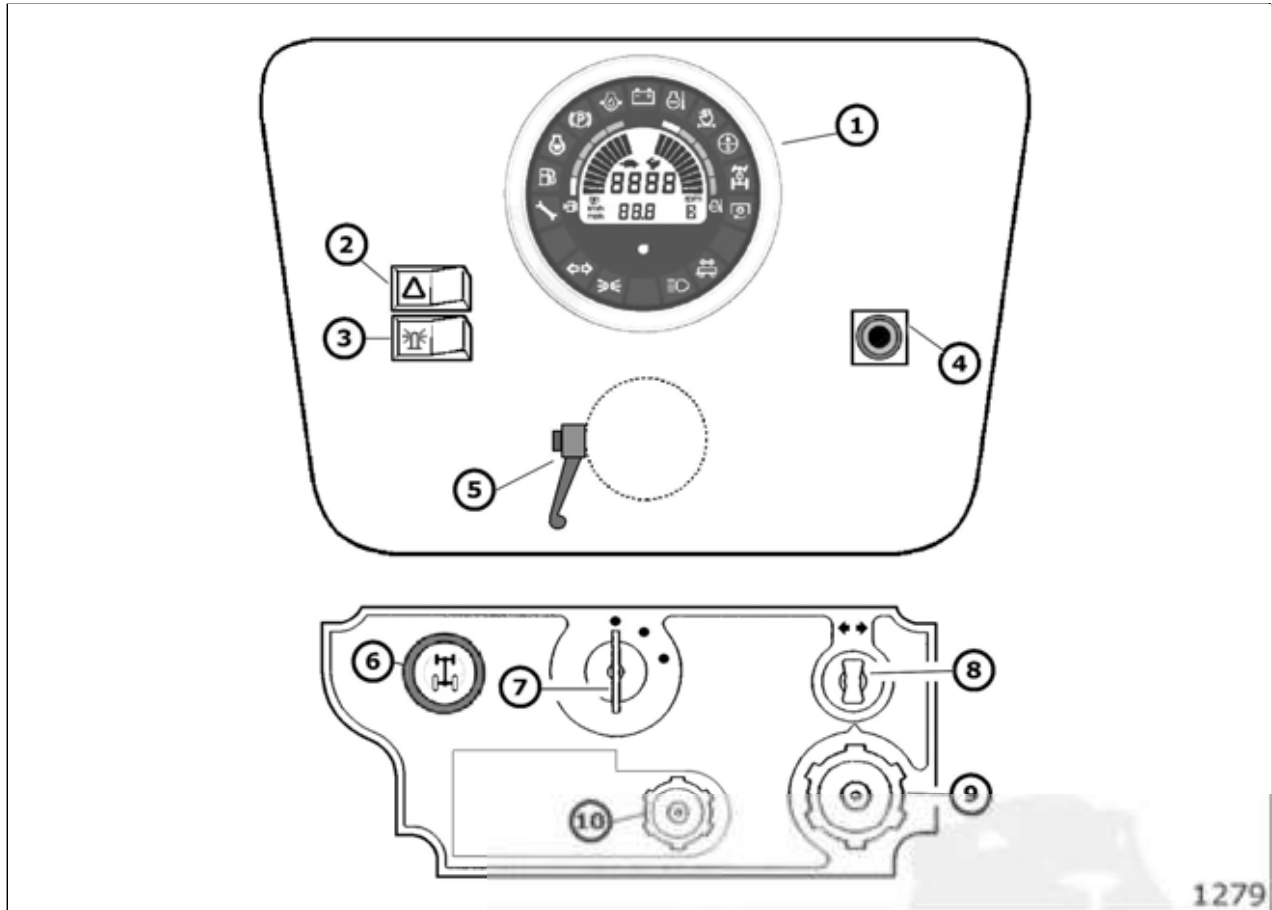
- ① Multifunction digital instrument
- ② Emergency switch
- ③ Revolving beacon switch
- ④ Button to change display / reset.
- ⑤ Steering wheel height adjuster lever
- ⑥ Ignition switch

- ⑦ Turn Indicator
- ⑧ Light switch and horn
- ⑨ 1-pin socket 12V
- ⑩ Fuse box

CONTROLS AND INSTRUMENTS

Dashboard

Cluster



Indications valid for REV versions















- ① Multifunction digital instrument
- ② Emergency switch
- ③ Revolving beacon switch
- ④ Button to change display / reset.
- ⑤ Steering wheel height adjuster lever
- ⑥ Front/rear differential lock button
- ⑦ Ignition switch
- ⑧ Turn indicator
- ⑨ Light switch and horn
- ⑩ PTO electrohydraulic clutch control knob


Multifunction digital instrument



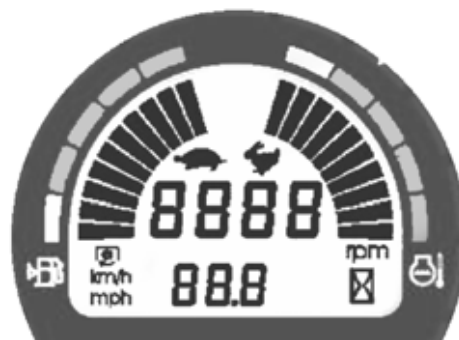
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Multifunction instrument indicators

-  Battery charge indicator - red.
-  Low engine oil pressure indicator - red.
-  Clogged engine air filter indicator - red.
-  Clogged oil filter indicator - red.
-  Hand brake engaged indicator - red.
-  Engine coolant temperature indicator - red.
-  PTO engaged indicator - yellow.
-  Fuel reserve indicator - yellow.
-  Engine warm-up indicator - yellow.
-  4WD engaged indicator - yellow.
-  Servicing indicator - yellow.
-  Tractor direction indicators - green.
-  Trailer direction indicators - green.
-  Side light indicators - green.

 Driving beam indicator - blue.

Digital indicators of the LCD display



Initial check-up

All the display segments must come on for 1 second when the panel is powered

Fuel level gauge



The green section shows how much fuel there is in the tank. The yellow fuel reserve light comes on when the indicators light up in the red section.

Engine coolant temperature indicator




Excessively hot engine coolant is indicated by:

- Graduated scale with red full-scale.
- Red engine coolant temperature indicator.
- Buzzer.

WARNING
 **Immediately stop the engine if these indicators come on.**

Carry out the following operations:

- Check the level of the cooling fluid.

WARNING
 **Never open the radiator's expansion tank whilst the engine is hot since the cooling fluid could cause burns as it is under pressure and very hot.**

- Clean the radiator core.
- Check the tension of the cooling fan belt.

Total hour counter



The hour counter is situated in the lower part of the display. The machine's total number of work hours are displayed for 7 seconds after the hours still remaining before maintenance is required have been displayed.

The following symbols will light up :

- The hourglass symbol.
- The number of hours.

Engine RPM indicator



The engine rate is shown by the 4 central figures on the display.

The following symbols will light up :

- The initials RPM (revolutions per minute).
- The rate.

PTO speed indicator



Press the external button

The speed in RPM will appear in the central part of the display.

The following symbols will light up :

- The initials RPM (revolutions per minute).
- The PTO symbol.
- The hare symbol (optional for the 750 RPM PTO).
- The tortoise symbol (for the 540 RPM PTO).
- The rate.

Servicing indicator



To remind the operator that maintenance is required, the dashboard instrument displays:

- Servicing hour counter.
- Servicing indicator - yellow.

The hours before the next engine servicing operations are required are displayed for 3 seconds when the engine is started.



The yellow maintenance indicator will begin to flash when the maintenance date approaches.

If you go beyond the time required for maintenance, the number of hours is shown with the minus sign (-). The yellow maintenance indicator remains permanently on when the number of hours becomes negative.

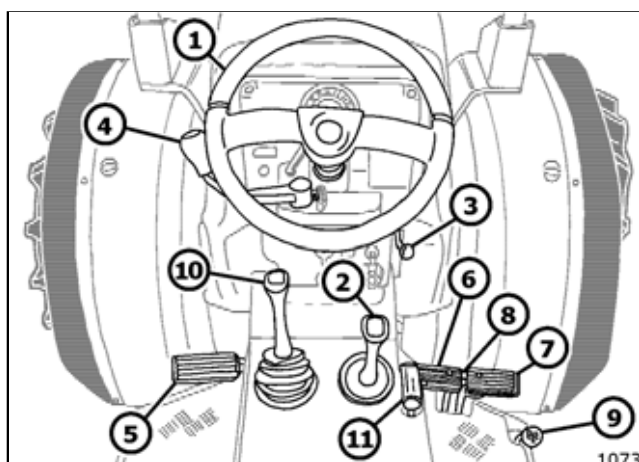
Contact an authorized workshop when maintenance is required.

All adjustments and settings must be carried out by an authorized workshop.



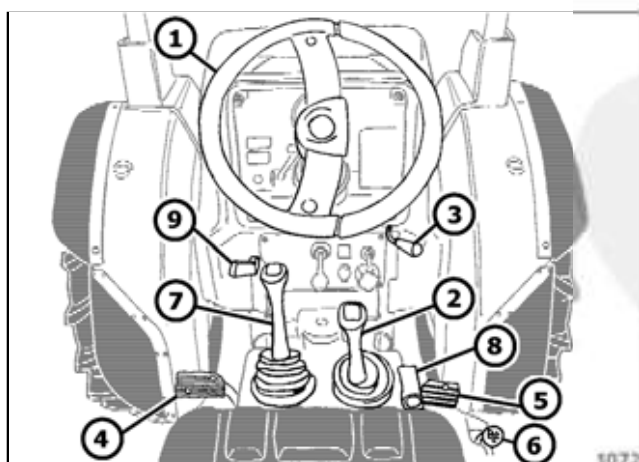
Controls in front part

 **Indications valid for RS versions**



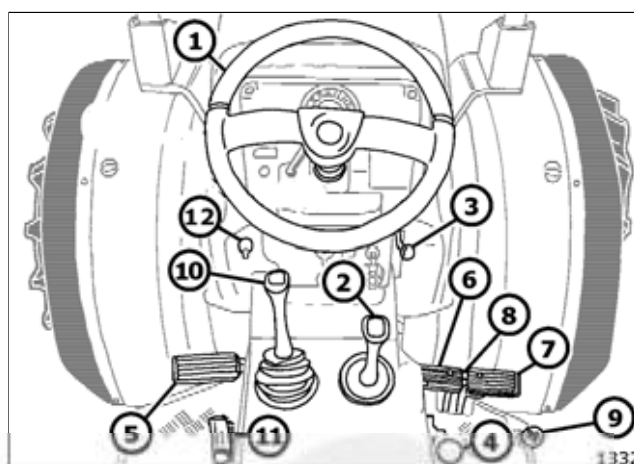
- ① Steering wheel.
- ② Gearshift lever.
- ③ Hand throttle.
- ④ Reverse shuttle lever: forward, reverse selection.
- ⑤ Clutch pedal.
- ⑥ LH brake pedal.
- ⑦ RH brake pedal.
- ⑧ Brake pedal latch.
- ⑨ Accelerator pedal.
- ⑩ Final drive lever.
- ⑪ Parking brake lever

 **Indications valid for pivoted at the center versions**



- ① Steering wheel.
- ② Gearshift lever.
- ③ Hand throttle.
- ④ Clutch pedal.
- ⑤ Brake pedal.
- ⑥ Accelerator pedal.
- ⑦ Final drive lever.
- ⑧ Parking brake lever
- ⑨ Front differential locking lever.

 **Indications valid for REV versions**

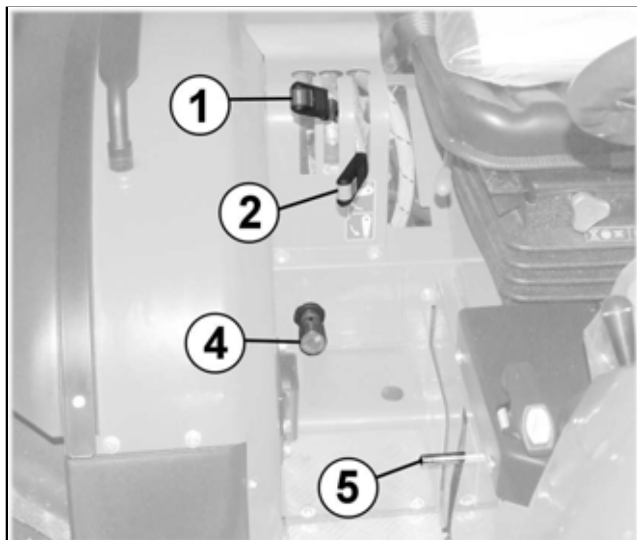


- ① Steering wheel.
- ② Gearshift lever.
- ③ Hand throttle.
- ④ Reverse shuttle lever: forward, reverse selection.
- ⑤ Clutch pedal.
- ⑥ LH brake pedal.
- ⑦ RH brake pedal.
- ⑧ Brake pedal latch.
- ⑨ Accelerator pedal.
- ⑩ Final drive lever.
- ⑪ Parking brake lever
- ⑫ 1-pin socket 12V

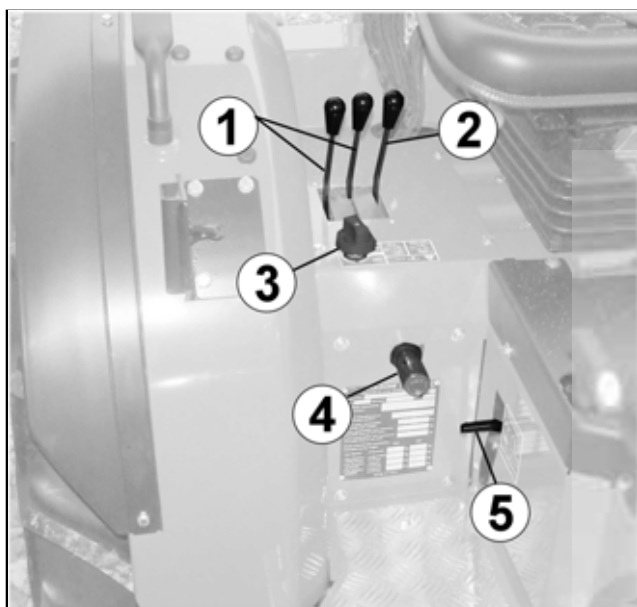
Controls on rh side

 Indications valid for RS versions

Cluster

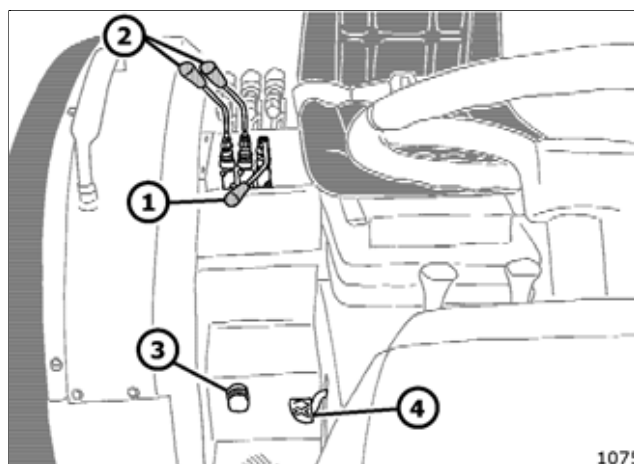


Maxter



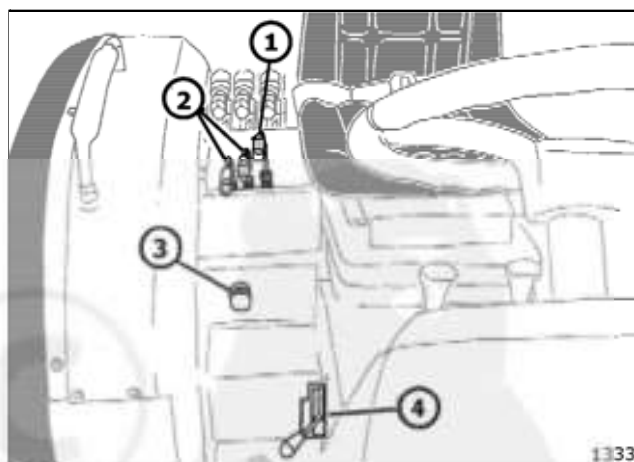
- ① Rear supplementary spool valve lever.
- ② Rear power lift position control lever.
- ③ PTO electrohydraulic clutch control knob
Series Maxter
- ④ Power lift lock adjuster
- ⑤ Rear differential lock button

 Indications valid for pivoted at the center versions



- ① Rear power lift position control lever.
- ② Rear supplementary spool valve lever.
- ③ Power lift lock adjuster
- ④ Rear differential lock button

 Indications valid for REV versions

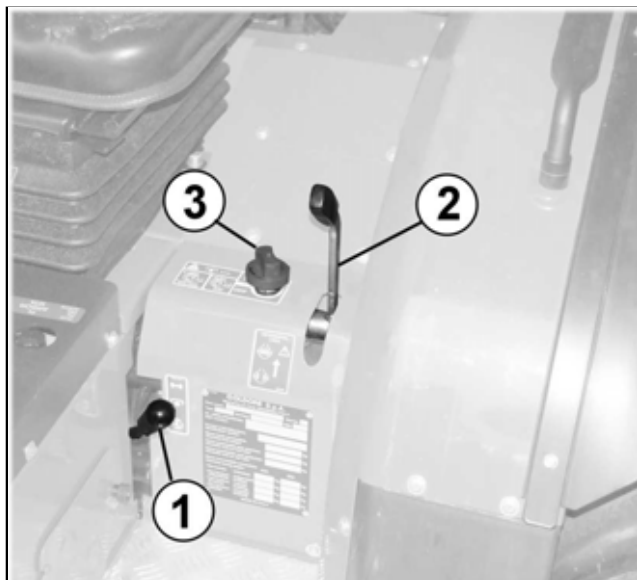


- ① Rear power lift position control lever.
- ② Rear supplementary spool valve lever.
- ③ Power lift lock adjuster
- ④ Lever for selecting the independent or synchronized rear PTO.

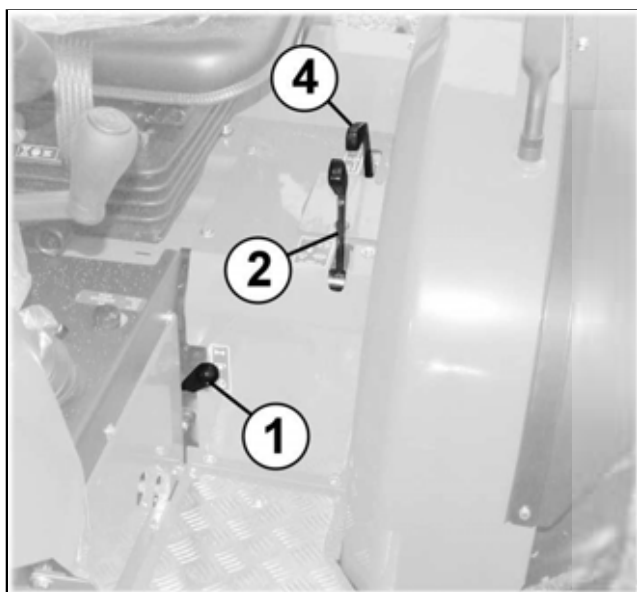
Controls on lh side

 Indications valid for RS versions

Cluster

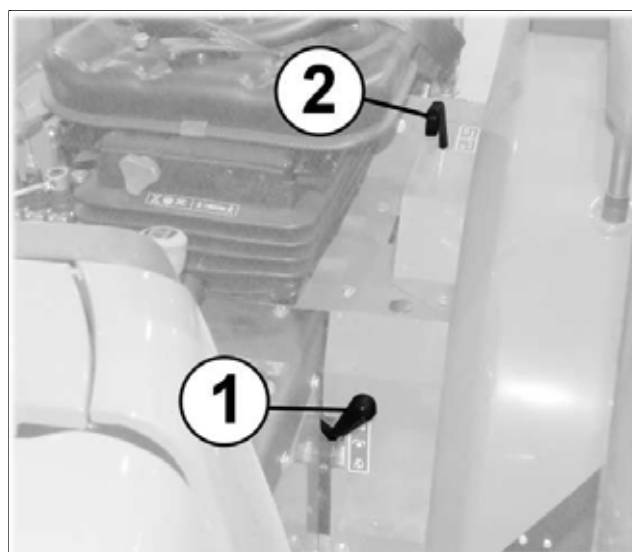


Maxter



- ① Lever for selecting the independent or synchronized rear PTO.
- ② Front differential locking lever.
- ③ PTO electrohydraulic clutch control knob
Series Cluster
- ④ PTO speed selector lever
Series Maxter

 Indications valid for pivoted at the center versions



- ① Lever for selecting the independent or synchronized rear PTO.
- ② PTO speed selector lever
Series Maxter

Seat controls



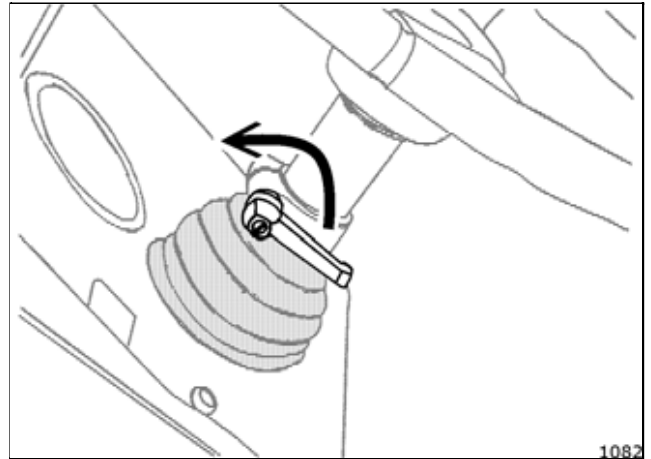
- ① Distance of seat from controls.
- ② Seat height adjustment.
- ③ Adjustment of springs.

Steering wheel



DANGER

This adjustment must be carried out when the machine is at a standstill, with the engine off and the parking brake engaged.



The steering wheel can be adjusted in height.

Using the lever:

- Release the safety retainer.
- Adjust the height.
- Lock the safety retainer.

Reversibility

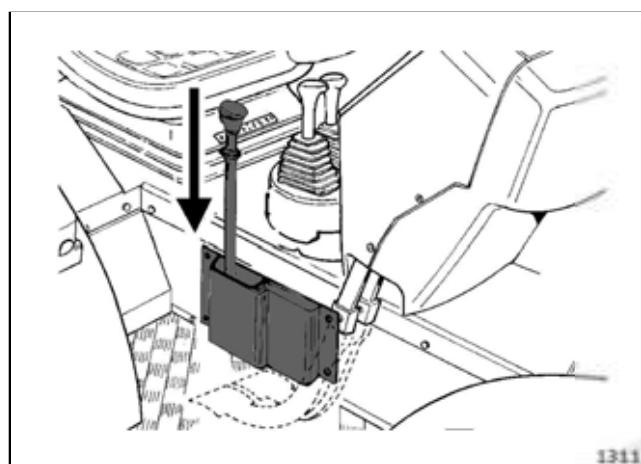
WARNING
Only reverse the cockpit when the machine is at a standstill, with the engine off and the parking brake engaged.

The main feature of the machine is the reversible cockpit.

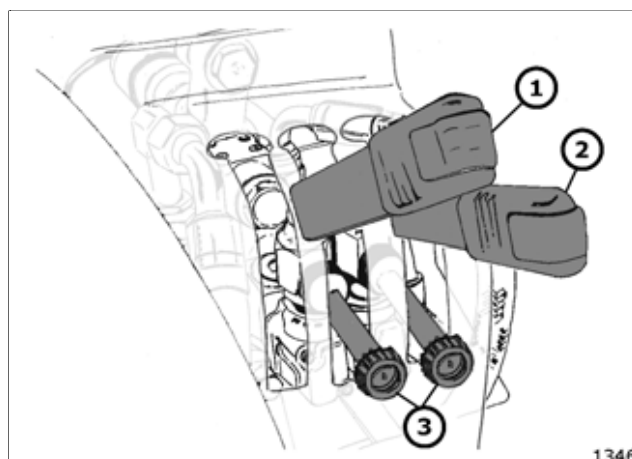
Just a few operations allow the machine to function with the driver's seat, pedal board and relative controls in the opposite direction to that of normal use. This enables the user to get the most out of the hydraulic power lift's performance, with ample visibility when using implements.

Comply with the following instructions to reverse the cockpit:

- Stop the machine.
- Switch off the engine.
- Apply the parking brake.
- Move the gearshift lever to the idle position.
- Move the **final drive** lever to the neutral position.

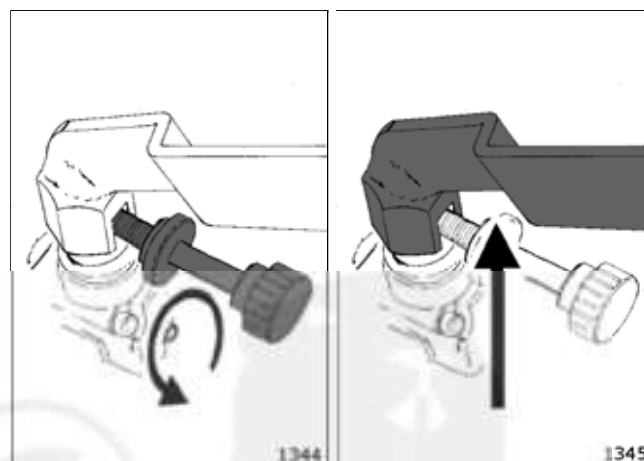


- Move the **reverse shuttle** lever to the neutral position.
- Completely lower the **reverse shuttle** lever.



- ① Rear supplementary spool valve lever.
- ② Rear power lift position control lever.
- ③ Knurled knob of the threaded pin.

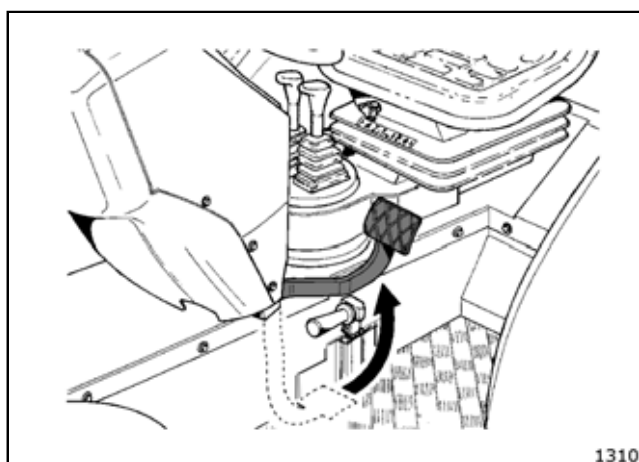
Disassemble the rear power lift's position control lever and the lever that controls the auxiliary control valves:



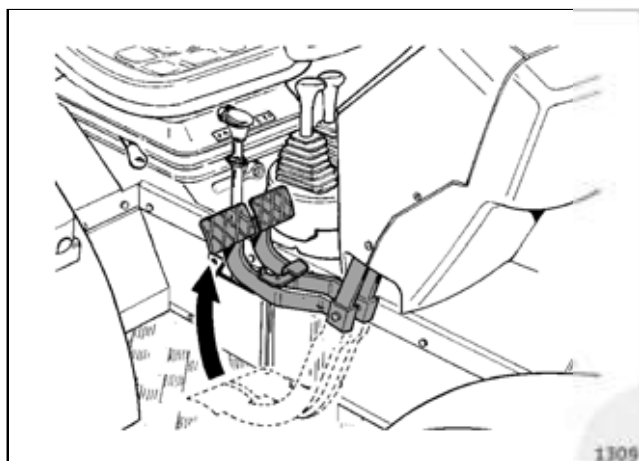
- Turn the knurled knobs of the threaded pins in the anti-clockwise direction until the lever releases (do not unscrew them completely).
- Remove the lever from its seat in the valve.



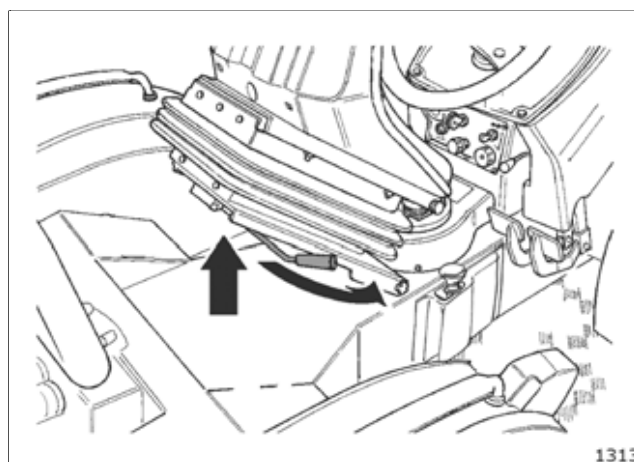
- Slide the seat completely back by means of the distance adjuster lever.



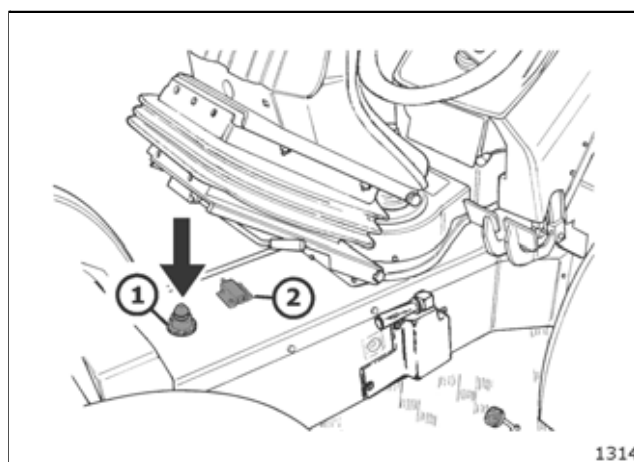
- Raise the clutch pedal.



- Raise the brake pedals.



- Release the seat and lift it with the coupling lever.



- ① Seat coupling pin
- ② Hydraulic flow reversing switch

- Turn the control module in the **clockwise direction** until the cockpit has been completely reversed.
- Lower the seat until it locks on the coupling pin and on the hydraulic flow reversing switch.
- Move the pedal board and reverse shuttle lever to their original positions.
- Assemble the rear power lift's position control lever and the lever that controls the rear auxiliary control valve by tightening the knurled knob of the threaded pin until the levers lock.

The flows in the hydraulic circuits of the power steering and braking systems are automatically reversed by an electrohydraulic valve, thus ensuring that the steering action matches the way the steering wheel is turned and that the braking action matches the action on the relative pedal.

To switch the cockpit back to its original position, repeat the operations described above **but turn the control module in the anti-clockwise direction.**



STARTING AND STOPPING THE ENGINE

Before starting the engine


Indications for machines **without electrohydraulically controlled double clutch**:

(P) Apply the parking brake.

N Move the **final drive** lever to the neutral position.

N Move the lever used to select the independent or synchronized rear PTO to the neutral position.

N Move the lever used to select the PTO speed to the neutral position.

 Depress the clutch pedal.

The safety device " Push And Start " will prevent the engine from starting unless the clutch pedal is fully depressed.


Indications for machines **with electrohydraulically controlled double clutch**:

(P) Apply the parking brake.

N Move the **final drive** lever to the neutral position.

N Move the rear PTO lever **to the independent position**.

N Move the lever used to select the PTO speed to the neutral position.

 Depress the clutch pedal.

The safety device " Push And Start " will prevent the engine from starting unless the clutch pedal is fully depressed.

How to start the engine



See engine's operation and maintenance manual.

Ignition switch



- Insert the key and turn it as described below:

STOP No circuit powered.



Glow plug preheating. Keep the key in this position for 8-10 seconds.

For machines equipped with glow plug preheater indicator: wait until the indicator light goes out.

1

Engine starts.
Depress and turn the key.

Each starting attempt should last for just a few seconds.

Do not make consecutive attempts to start the engine without having waited at least 20 sec. between one attempt and the next, otherwise the battery will quickly run down and the starter motor could be damaged.



WARNING
Do not keep operating the starter motor when the engine has already started.

Damage to the starter motor due to failure to comply with these instructions will not be covered by the warranty.

After the engine has started:

- Release the key. It will automatically return to the operating position
- Release the clutch pedal

- Check the warning lights and instruments

As soon as the engine starts, the electronic device that automatically controls the fuel enrichment accelerates the engine until it reaches the best rate for ignition. Do not press the accelerator pedal during this phase.

How to stop the engine



WARNING

The steering action of the power steering system will be reduced if the engine accidentally stops. Depress the main brake to allow the machine to come to a full stop.



WARNING

Do not leave the tractor unattended with the ignition key inserted.

- Allow the engine to idle.



Depress the clutch pedal.



Move the **final drive** lever to the neutral position.



Move the lever used to select the independent or synchronized rear PTO to the neutral position.



Move the lever used to select the PTO speed to the neutral position.



Apply the parking brake.

- Turn the ignition key to position STOP.
- Remove the key and put it away in a safe place.

HOW TO START AND STOP THE MACHINE

Safety frame

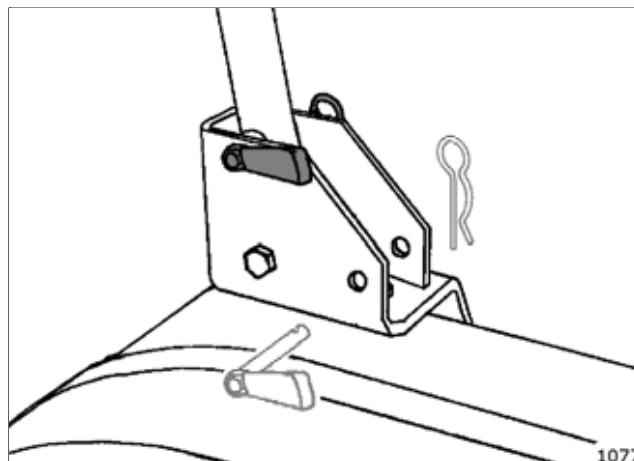
! DANGER
The machine is equipped with a folding safety frame. Always keep the safety frame assembled in the correct vertical position during work.

! DANGER
Never ever modify the structural components of the safety frame by welding on additional parts, making holes, grinding, etc. Failure to comply with these instructions could impair the rigidity of the frame and reduce the level of protection provided by the original equipment.

! WARNING
If the tractor tips up or the safety frame or cab are damaged (e.g. owing to a collision), all the damaged structural components must be replaced in order to guarantee the original degree of safety.

! WARNING
When in the horizontal position, the safety frame will provide no protection if the tractor tips up.

! WARNING
Make sure that the roll bar is in the correct position before starting the engine.



To lower the safety frame, on both sides:

- Remove the safety pin.
- Remove the plug.
- Lower the safety frame
- Fit the plug into the second hole.
- Re-position the safety pin.

How to start the machine

DANGER
The machine could respond in a dangerous way if the clutch pedal is suddenly released.

WARNING
Make sure that the brakes are efficient before moving off.

IMPORTANT
Before starting the machine, make sure you become familiar with its main controls: brakes, transmission, PTO, diff lock and how to stop the engine.

IMPORTANT
Lengthy clutch disengagements could wear out the thrust bearing.



Depress the clutch pedal.

- Select the transmission ratio (consult the Gearbox chapter).



Disengage the parking brake.



Gradually release the clutch pedal.

- Gradually accelerate the engine.

How to stop the machine

- Allow the engine to idle.



Depress the clutch pedal.

- Use both the brake pedals.
- Stop the machine.

N Move the **final drive** lever to the **neutral** position.

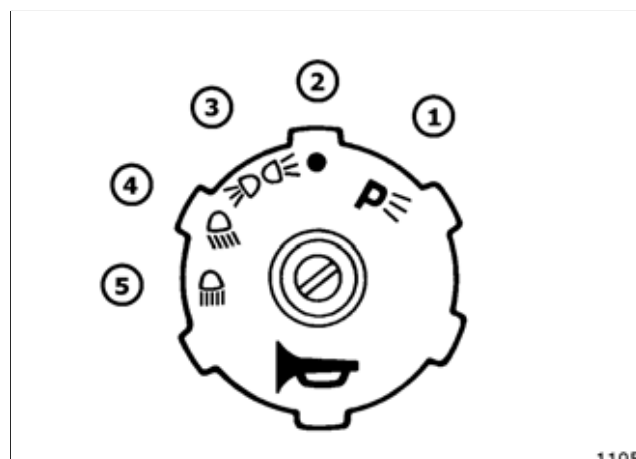
N Move the gearshift lever to the **idle** position.

- Remember to disengage the PTO if used.



Apply the parking brake.

Light switch



1105

- Turn the control to the required position:

- ① Parking lights. P
- ② Lights off - OFF
- ③ Side lights. D
- ④ Dipped beams. D
- ⑤ Driving beams. D

Horn



1106

- Press the control. H

Lights

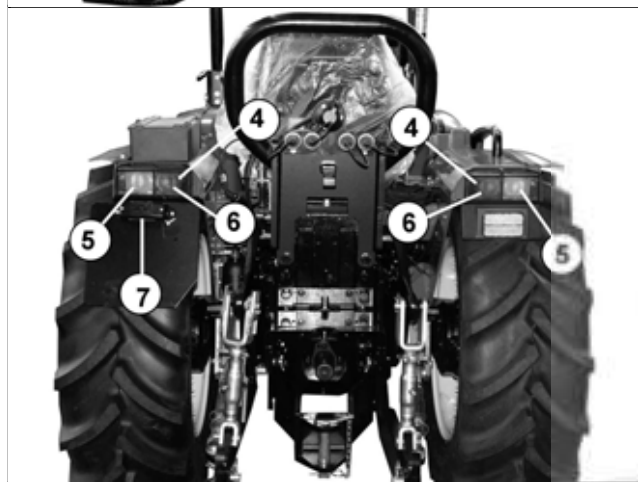


If the tractor must be driven on the public highways, the headlights must comply with the Highway Code regulations in force in the country of use.



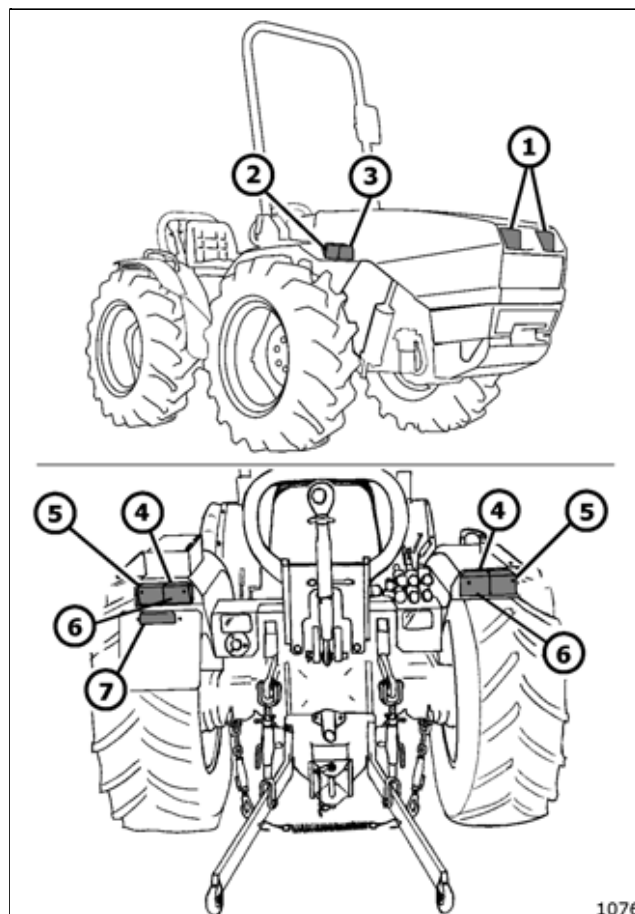
Use of driving beams is governed by the Highway Code in force in the country of use.

Cluster



- ① Headlight in dipped/driving positions.
- ② Front turn indicator.
- ③ Front side light.
- ④ Rear side light.
- ⑤ Rear turn indicator.
- ⑥ Rear brake light.
- ⑦ License plate light.

Maxter



- ① Headlight in dipped/driving positions.
- ② Front turn indicator.
- ③ Front side light.
- ④ Rear side light.
- ⑤ Rear turn indicator.
- ⑥ Rear brake light.
- ⑦ License plate light.

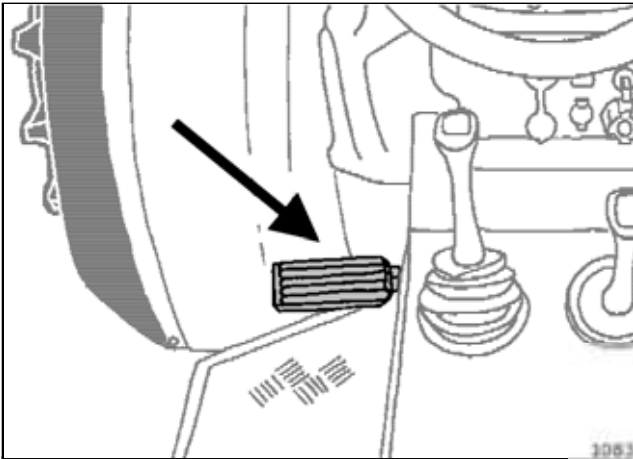
TRANSMISSION

Main clutch

WARNING
NEVER attempt to drive up or down slopes with the clutch disengaged.

IMPORTANT
 Remove your foot from the clutch pedal when not required. Do not ride the clutch.

IMPORTANT
 Lengthy clutch disengagements could wear out the thrust bearing.



Transmits drive from the engine to the transmission.

Pedal up = clutch engaged (drive is transmitted).
 Pedal down = clutch disengaged (drive not transmitted).

Gearbox

The machine's transmission comprises a gearbox, final drive and synchronized reverse shuttle, each controlled by its own lever.

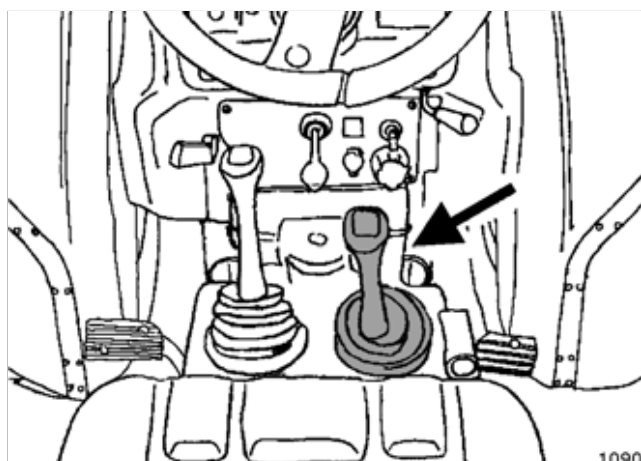
The speed at which you drive the machine must be chosen to suit:

- The work required.
- The implement used.
- The type of ground.



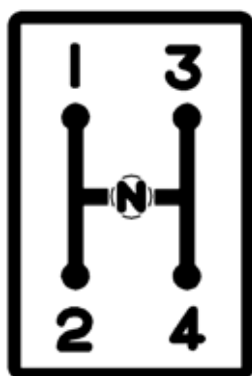
Consult the **TECHNICAL SPECIFICATIONS**

Gearshift lever



 Indications valid for RS versions

 Indications valid for REV versions



The lever can be moved in four positions (plus neutral):

- 1** First speed gear.
- 2** Second speed gear.
- N** Neutral.
- 3** Third speed gear.
- 4** Fourth speed gear.

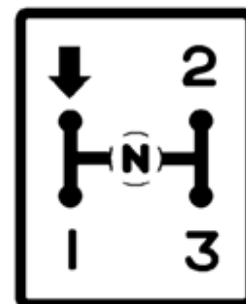
The speed gear selections are synchronized.

To shift gear:


- Depress the clutch pedal.
- Select the required range.
- Gradually release the clutch pedal.

Use the **REVERSE SHUTTLE** command to select the **reverse**

 Indications valid for pivoted at the center versions



The lever can be moved in four positions (plus neutral):

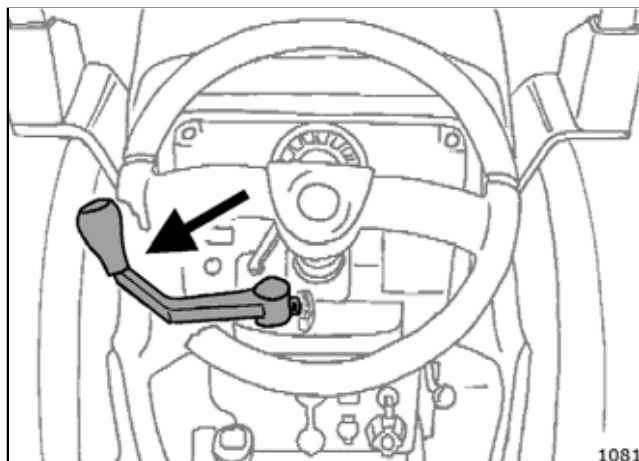
-  Reverse speeds (REV)
- 1** First speed gear.
- N** Neutral.
- 2** Second speed gear.
- 3** Third speed gear.

The speed gear selections are synchronized.
To shift gear:

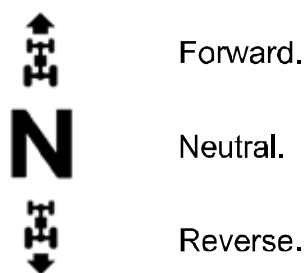
- Depress the clutch pedal.
- Select the required range.
- Gradually release the clutch pedal.

Reverse shuttle lever

 Indications valid for RS versions



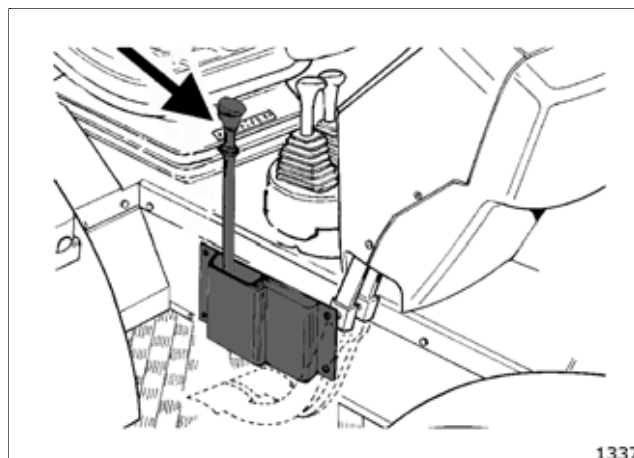
The lever has two positions (plus neutral):



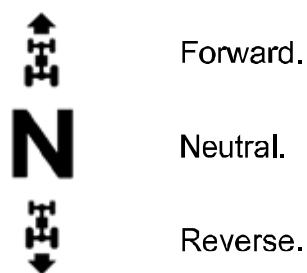
The speed gear selections are synchronized. Even though selection is synchronized, proceed as described below to select the forward or reverse speeds:

- Stop the machine.
- Depress the clutch pedal.
- Select the forward or reverse speed.
- Gradually release the clutch pedal.

 Indications valid for REV versions



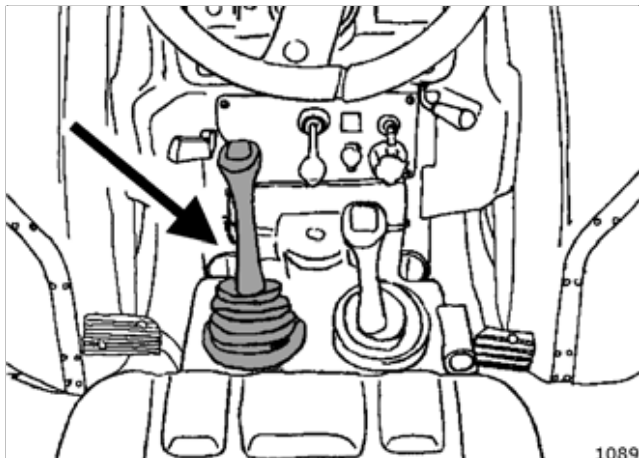
The lever has two positions (plus neutral):



The speed gear selections are synchronized. Even though selection is synchronized, proceed as described below to select the forward or reverse speeds:

- Stop the machine.
- Depress the clutch pedal.
- Select the forward or reverse speed.
- Gradually release the clutch pedal.

Final drive lever



The lever can be moved in four positions (plus neutral):



Standard speeds (Man)



Slow (Snail)

N

Neutral.



High speeds (Hare)



Low speeds (Tortoise)

Selection is not synchronized.

To shift gear:

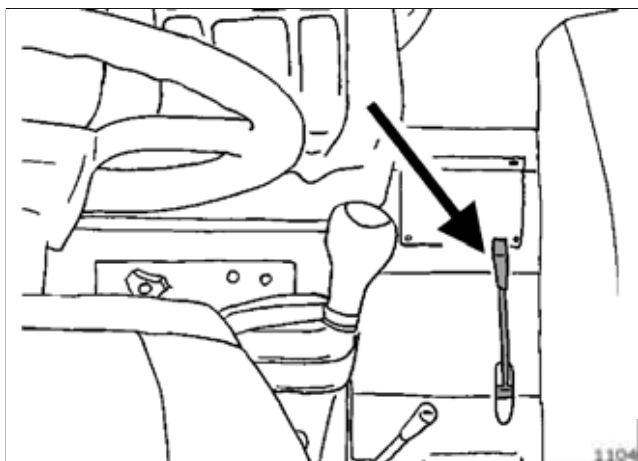
- Stop the machine.
- Depress the clutch pedal.
- Select the required range.
- Gradually release the clutch pedal.

Front differential lock

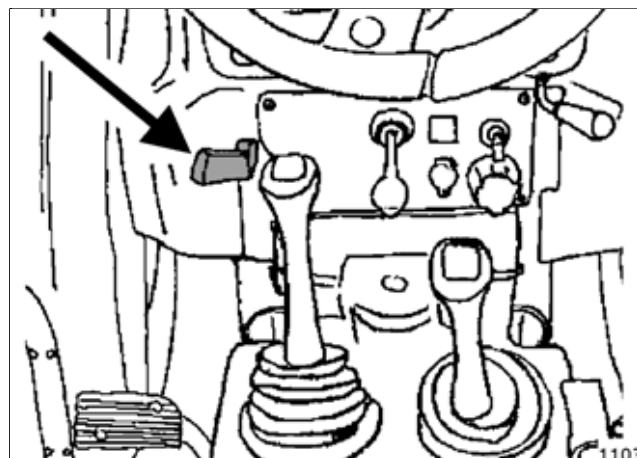
⚠ DANGER
When the differential lock is engaged, the tractor cannot be steered.

⚠ IMPORTANT
Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.

 Indications valid for RS versions



 Indications valid for pivoted at the center versions



The tractor is equipped with a front differential lock.

Use recommended for ploughing work or if one of the two driving wheels possesses insufficient grip owing to muddy, rugged or slippery ground.

The front diff lock is mechanically controlled by means of the lever. It is unlocked by releasing the lever.

To get the most out of the device, engage the differential lock before the wheels begin to slip. Do not engage the lock while one wheel is already slipping.

If the diff lock fails to release, reduce the engine rate, stop the machine and release it by moving the steering wheel.

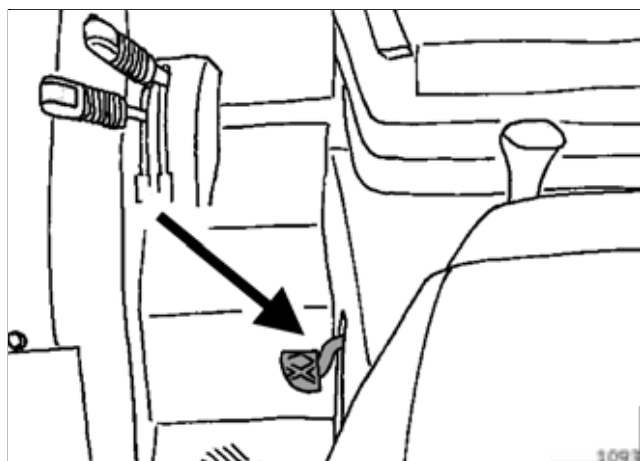
Rear diff lock

! DANGER
When the differential lock is engaged, the tractor cannot be steered.

! IMPORTANT
Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.

 Indications valid for RS versions

 Indications valid for pivoted at the center versions



The tractor is equipped with a rear diff lock. Use recommended for ploughing work or if one of the two driving wheels possesses insufficient grip owing to muddy, rugged or slippery ground.

The diff lock is controlled mechanically with the pedal. It is disengaged by releasing the pedal.

To get the most out of the device, engage the differential lock before the wheels begin to slip. Do not engage the lock while one wheel is already slipping.

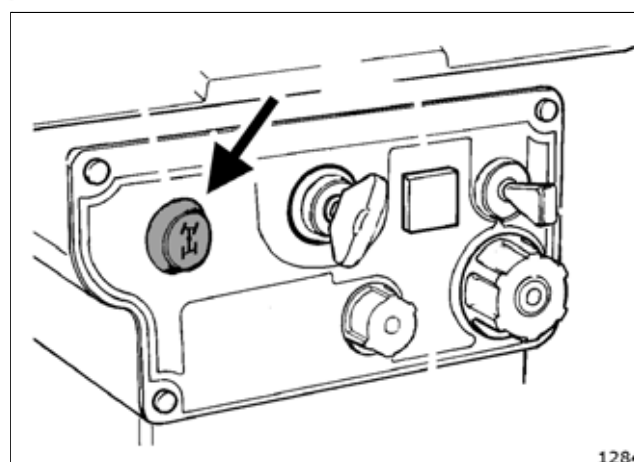
If the diff lock fails to release, reduce the engine rate, stop the machine and release it by moving the steering wheel.

Front and rear differential lock

! DANGER
When the differential lock is engaged, the tractor cannot be steered.

! IMPORTANT
Do not use the differential lock near or in bends and avoid using it in fast gears or with engine running at a high rate.

 Indications valid for REV versions



The tractor is equipped with an electrohydraulic diff lock that acts on both axles.

Use recommended for ploughing work or if one of the two driving wheels possesses insufficient grip owing to muddy, rugged or slippery ground.

The diff lock is operated by pressing the button. The diff lock disengages automatically when the button is released.

To get the most out of the device, engage the differential lock before the wheels begin to slip. Do not engage the lock while one wheel is already slipping.

If the diff lock fails to release, reduce the engine rate, stop the machine and release it by moving the steering wheel.

POWER TAKE-OFF

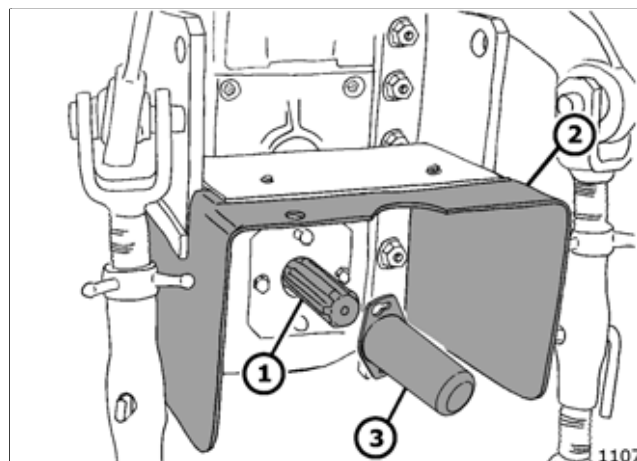
Rear power take-off (PTO)

WARNING
 when the PTO is not used, move the mode selector lever to the Neutral or Independent position (depending on the model or version). This prevents the shaft of the PTO and other spinning components from accidentally turning.

WARNING
 Do not remove or damage the protective plate

WARNING
 Cover the PTO shaft with the guard when not in use.

IMPORTANT
 If implements that develop a high degree of inertia are connected to the PTO (such as lawn mowers, brushwood choppers, etc.), it is advisable to use a cardan-shaft transmission with "free wheel" device. This device prevents the implement from transmitting drive to the machine and allows it to stop as soon as the clutch is depressed. It also prevents the hydraulic clutch from being subjected to early wear.



- ① Power take-off
- ② Metal plate protection.
- ③ PTO shaft guard.

The tractor is equipped with a rear PTO that can operate in two ways:

- **Independent.**
- **Synchronised.**

Both can have two speeds:

- **Slow. 540 rpm**
- **Fast. 540E (750 rpm)**

Turning direction: clockwise (in synchronised mode, turning direction is clockwise with forward drive).

Independent power take-off



WARNING

To prevent injuries:

the safety device will prevent the engine from starting when the PTO mode selector lever is in the Synchronized position.



IMPORTANT

the safety device will prevent the engine from starting when the knob that operates the PTO's electrohydraulic control is in the Engaged position.



It does not depend on the ground speed of the machine and can be operated when this is either at a standstill or on the move.



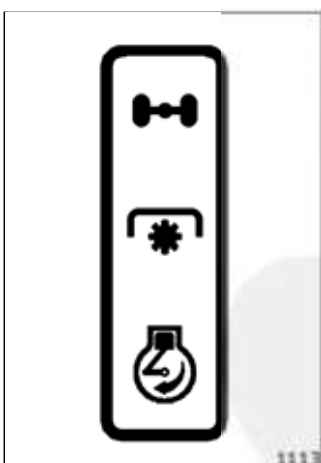
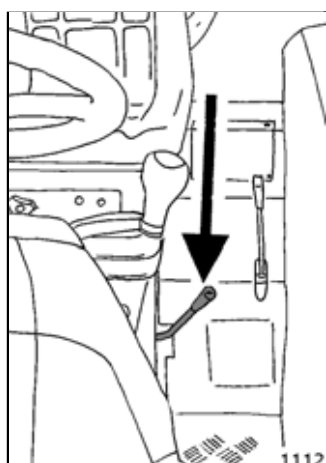
Indications valid for RS versions



Indications valid for pivoted at the center versions

Machines with electrohydraulically controlled double clutch.

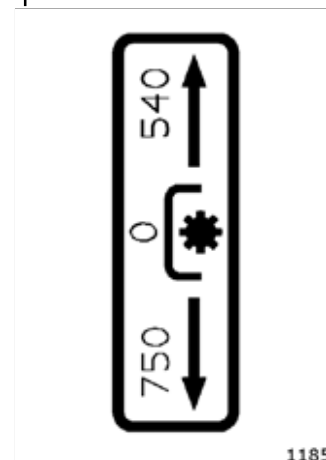
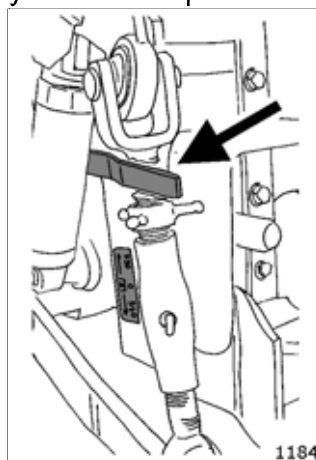
All the machines are equipped with a electrohydraulically controlled double clutch.



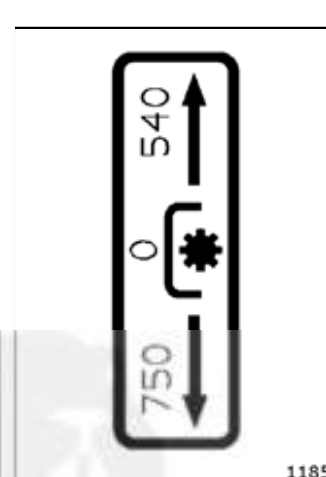
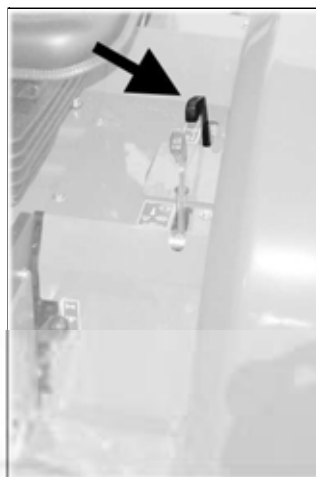
- The PTO mode selector lever must be in the **Independent** position.

Cluster

The lever that controls the PTO's gearbox is installed at the rear of the machine, near the 1h cylinder that operates the power lift.



Maxter




- Use the gearshift lever of the PTO to select the best rate.



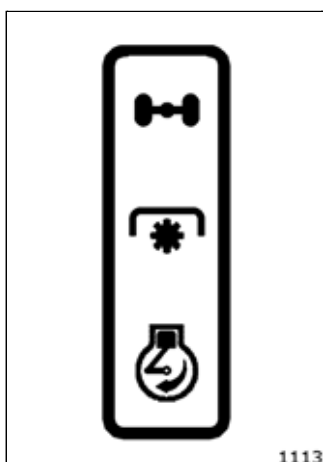
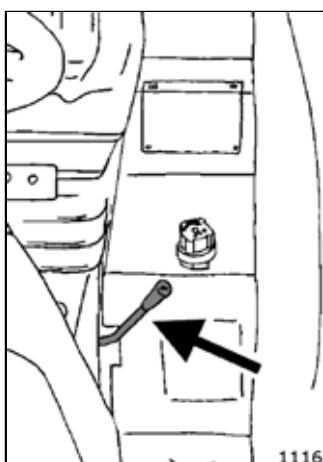
- Engage the PTO with the knob that operates the electrohydraulic control.


 Indications valid for pivoted at the center versions

Machines without electrohydraulically controlled double clutch.

 **DANGER**
The machine could respond in a dangerous way if the clutch pedal is suddenly released.

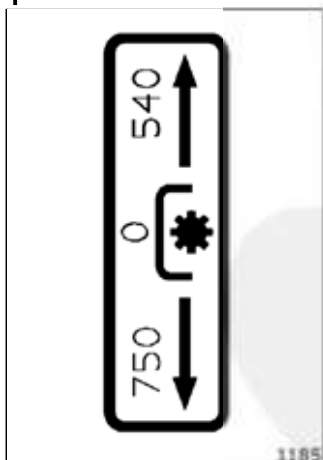
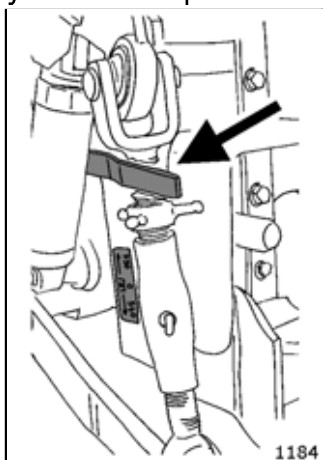
- Depress the clutch pedal.



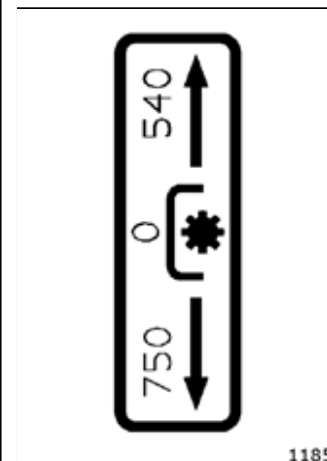
- Move the PTO mode selector lever from the **Neutral (Idle)** position to the **Independent** position 

Cluster

The lever that controls the PTO's gearbox is installed at the rear of the machine, near the lh cylinder that operates the power lift.



Maxter



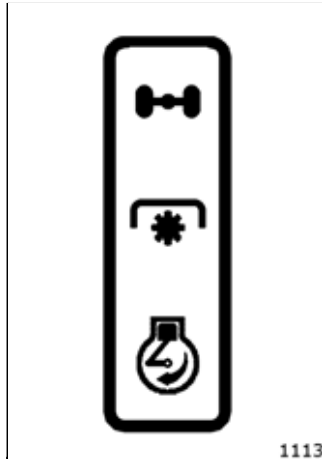
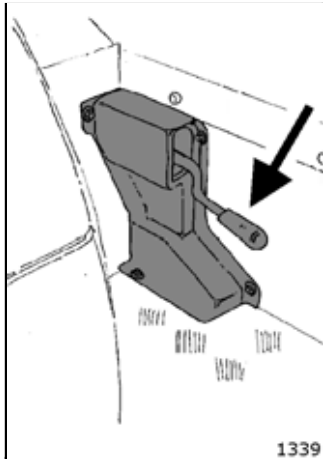
- Use the gearshift lever of the PTO to select the best rate.
- Gradually release the clutch pedal.
- Having finished work, remember to move the PTO's mode selector lever back to the **Neutral (Idle)** position.



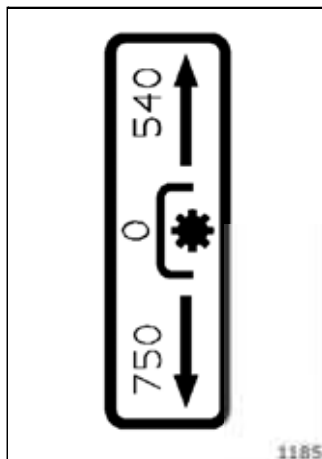
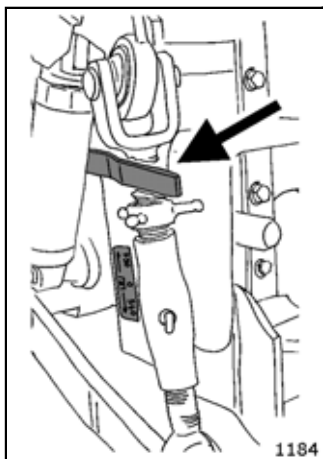
Use of the machine's clutch pedal shuts off the drive transmitted by the PTO's shaft even when enabled by the electrohydraulic engaging command of the PTO.

Indications valid for REV versions

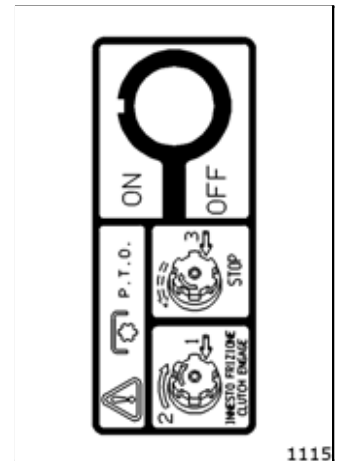
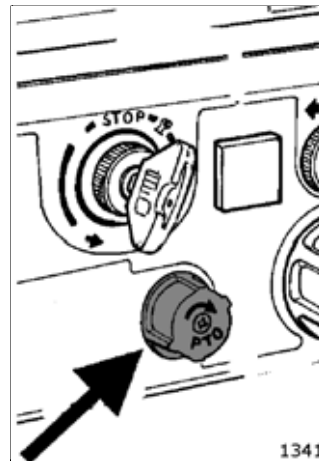
All the machines are equipped with a electrohydraulically controlled double clutch.



- The PTO mode selector lever must be in the **Indipendente**  position.



- Use the gearshift lever of the PTO to select the best rate.



- Engage the PTO with the knob that operates the electrohydraulic control.

Synchronized power take-off


DANGER
The machine could respond in a dangerous way if the clutch pedal is suddenly released.

WARNING
To prevent injuries: the safety device will prevent the engine from starting when the PTO mode selector lever is in the Synchronized position.

IMPORTANT
the safety device will prevent the engine from starting when the knob that operates the PTO's electrohydraulic control is in the Engaged position.

IMPORTANT
Do not use the synchronized PTO with the fast speeds in machines with double electrohydraulic clutches.

IMPORTANT
Do not use the synchronized power take-off near or round very tight bends.

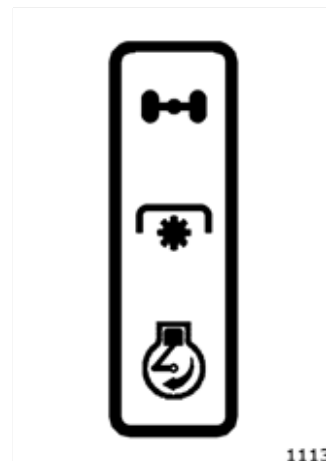
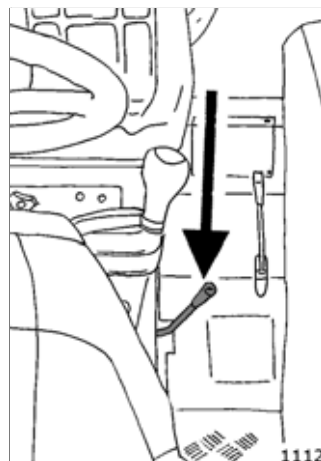
 Synchronised with all gears.
This PTO is used for trailers with driving wheels.
Used in difficult operating conditions (steep slopes, muddy or slippery ground).


 Indications valid for RS versions

 Indications valid for pivoted at the center versions

Machines with **electrohydraulically controlled double clutch**.

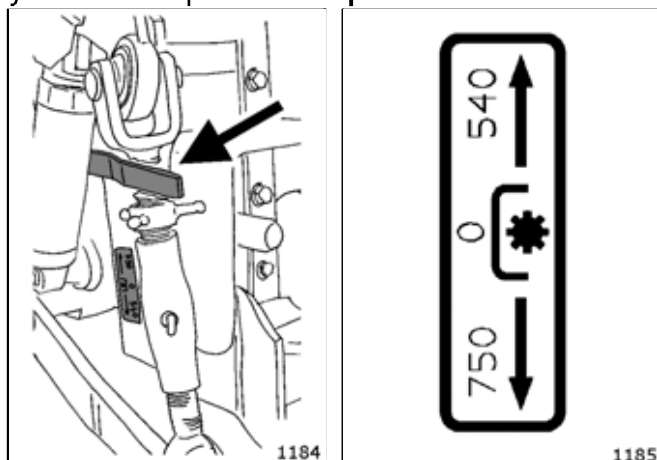
All the machines are equipped with a electrohydraulically controlled double clutch.



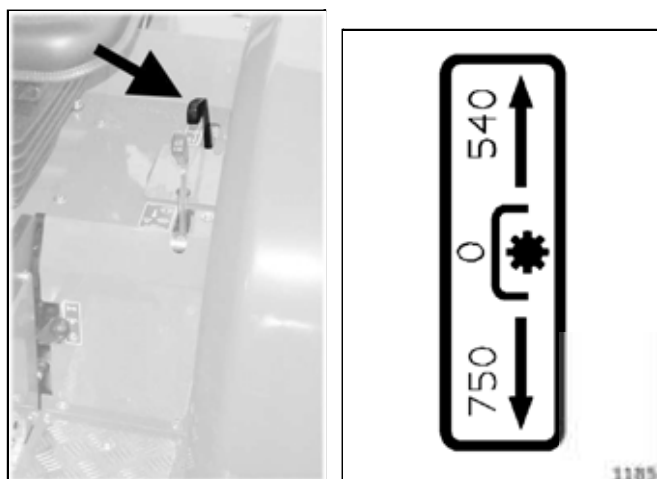
- Move the PTO mode selector lever to the **Synchronized**  position.

Cluster

The lever that controls the PTO's gearbox is installed at the rear of the machine, near the hydraulic cylinder that operates the power lift.



Maxter




- Use the gearshift lever of the PTO to select the best rate.

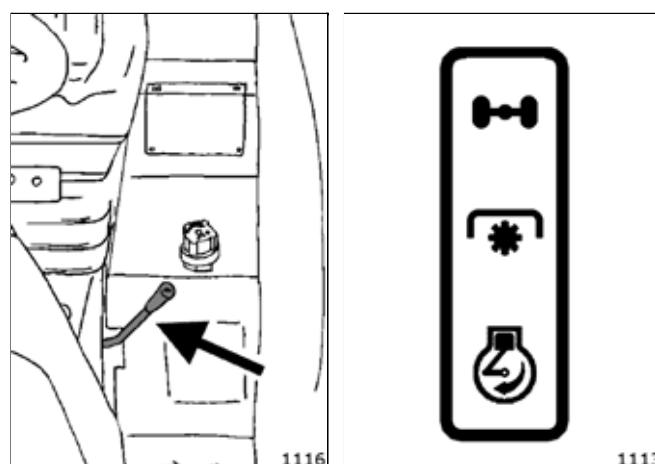
WARNING when the PTO is not used, move the mode selector lever to the Neutral or Independent position (depending on the model or version). This prevents the shaft of the PTO and other spinning components from accidentally turning.

 **Indications valid for pivoted at the center versions**

Machines **without** electrohydraulically controlled double clutch.

DANGER  The machine could respond in a dangerous way if the clutch pedal is suddenly released.

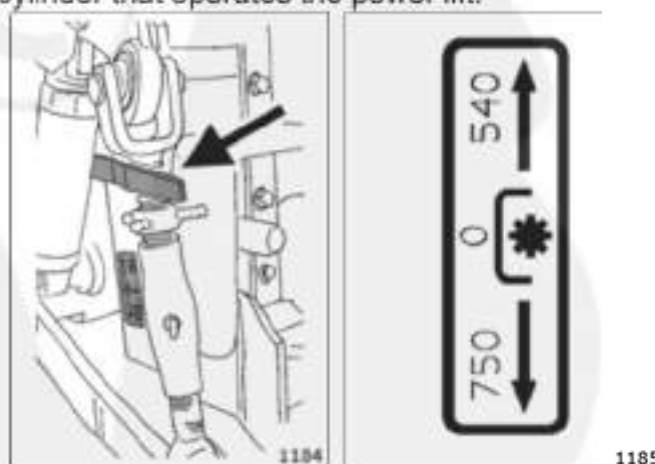
- Depress the clutch pedal.



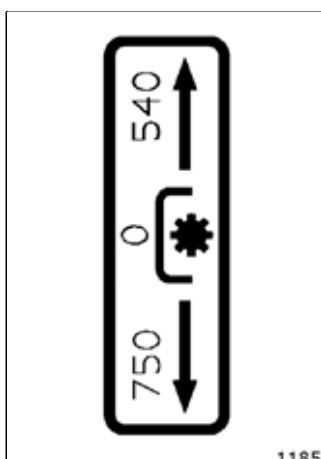
- Move the PTO mode selector lever from the **Neutral (Idle)** position to the **Synchronized** position

Cluster

The lever that controls the PTO's gearbox is installed at the rear of the machine, near the hydraulic cylinder that operates the power lift.

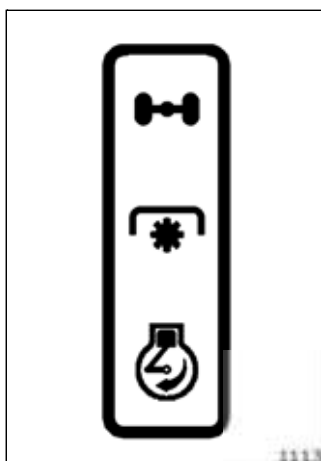
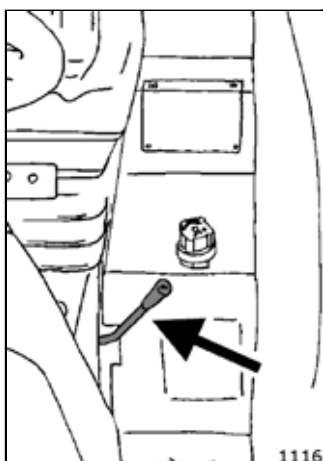


Maxter



1185

- Use the gearshift lever of the PTO to select the best rate.



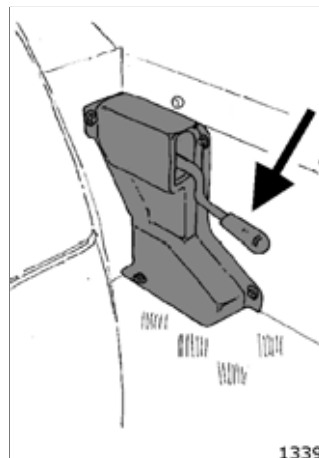
1113

- Move the PTO mode selector lever from the **Neutral (Idle)** position to the **Synchronized** position
- Gradually release the clutch pedal.
- Having finished work, remember to move the PTO's mode selector lever back to the **Neutral (Idle)** position.

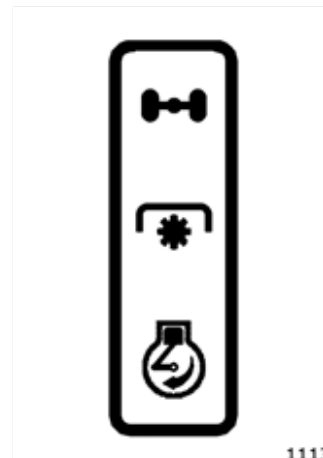


Indications valid for REV versions

All the machines are equipped with a electrohydraulically controlled double clutch.

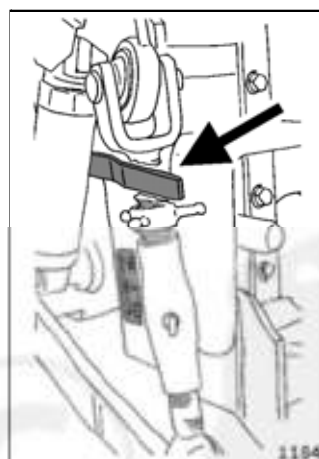


1339

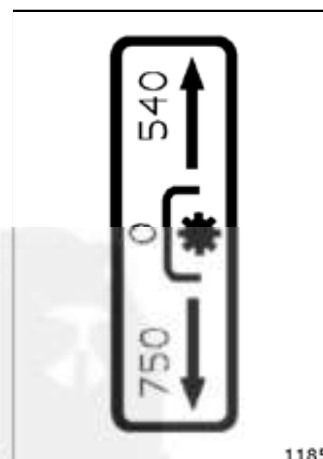


1113

- Move the PTO mode selector lever to the **Synchronized** position.



1184



1185

- Use the gearshift lever of the PTO to select the best rate.

**WARNING**

when the PTO is not used, move the mode selector lever to the **Neutral** or **Independent** position (depending on the model or version). This prevents the shaft of the PTO and other spinning components from accidentally turning.

REAR POWER LIFT

The following conditions of use are available:



Indications valid for RS versions



Indications valid for REV versions



Indications valid for pivoted at the center versions

- Up-down

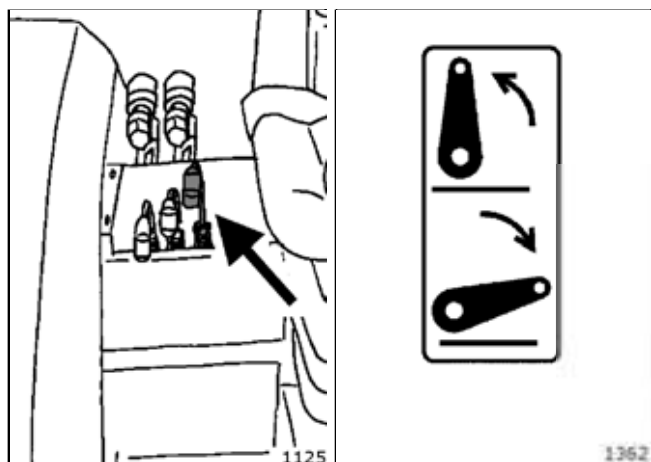
Up-down



Indications valid for RS versions



Indications valid for REV versions

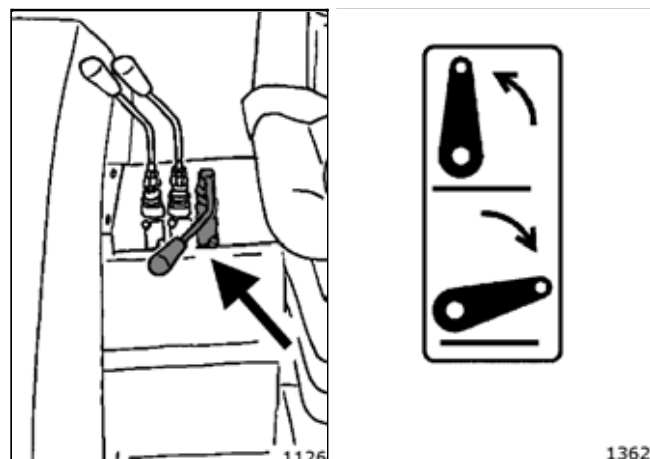


It is a 3-point rear hydraulic power lift controlled by means of the valve system.

- Lever back = Implement lifted.
- Lever forward = Implement lowered (floating mode for implements that must follow the contours of the ground).
- Lever in intermediate position = Locks the implement at various heights.



Indications valid for pivoted at the center versions

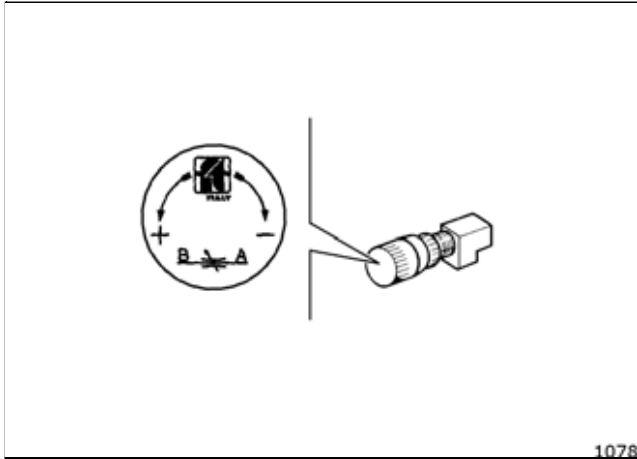


It is a 3-point rear hydraulic power lift controlled by means of the valve system.

- Lever back = Implement lifted.
- Lever forward = Implement lowered (floating mode for implements that must follow the contours of the ground).
- Lever in intermediate position = Locks the implement at various heights.

Power lift speed and sensitivity adjustment

! IMPORTANT Fully tighten the adjuster to lock the implement in its raised position. This acts as a safety device when implements are transported on the road.



Screw out this regulator to increase lift lowering speed.

3-point hitch sensitivity can be further increased by attaching it to one of the lower tractor hitch holes.

3-POINT HITCH

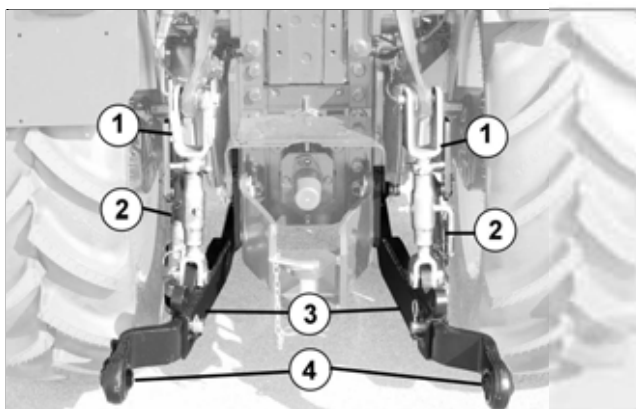
Rear 3-point hitch

WARNING
Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.

IMPORTANT
Do not use the power lift's third-point as a towing hitch.

DANGER
Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.

IMPORTANT
Keep the chains taut and the power lift raised when driving the machine with implements coupled to the three-point linkage.



Cat. 1 and 1N

- ① Adjustable rod
- ② Side stabilizer
- ③ Power lift lower link
- ④ Implement hitch end fitting

The machine is equipped with a three-point

hitch. To ensure that the hitch always functions correctly, always make sure that the size and weight of the implements correspond to the specifications of the hitch and power lift.



The top link linkage has two holes, which make the implement easier to hitch and set at the right angle.

To adjust the top link, remove the split pin from the plug, remove the plug from the brackets, set the top link at the height of the required hole, then fit the plug and split pin back in position.

- Upper hole: less sensitivity (suitable for implements that produce a high amount of stress)
- Lower hole: greater sensitivity (suitable for light implements).

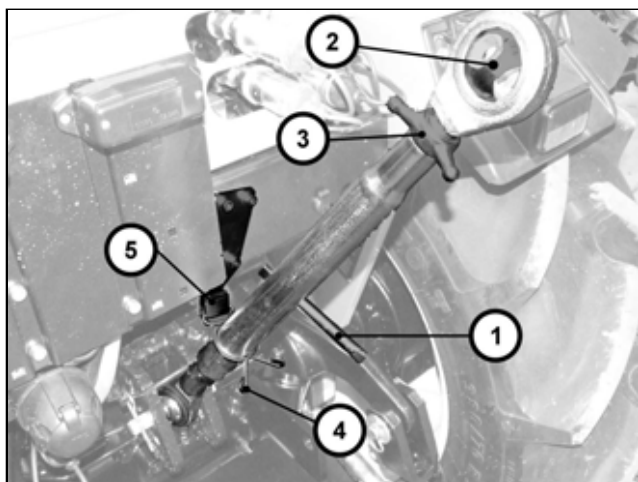
3-point hitch adjustment

DANGER
This adjustment must be carried out when the machine is at a standstill, with the engine off and the parking brake engaged.

Top link linkage

Adjustable implement hitch end fitting

- Cat.1 and cat.2 ball end



Adjust the length of the top link linkage to change the angle at which the implement digs into the ground.

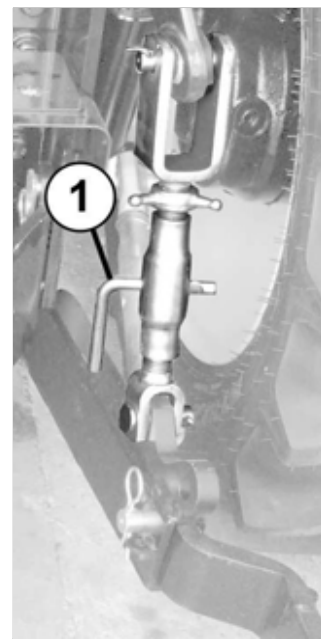
Turn the top link to obtain the required length, using the lever ①.

The ball-shaped implement hitch coupling ② is equipped with two holes for use as cat 1 or cat 2.

Tighten the ring nut ③ to lock the top link in the required position.

Connect the spring ④ to the fixed support ⑤ if the top link is unused.

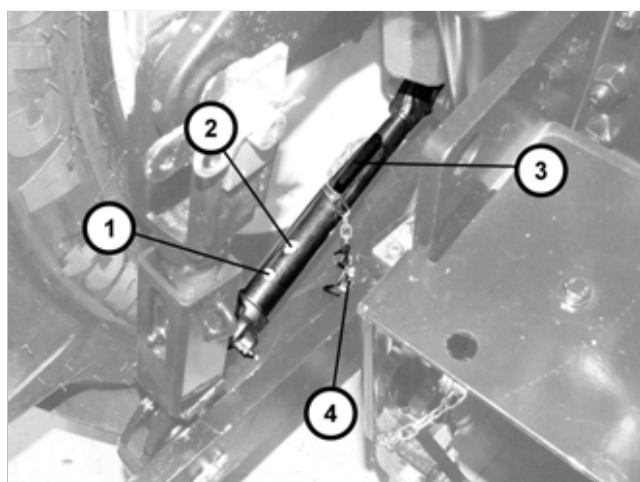
Adjustable rod



- Adjust the adjustable rod so as to level and align the power lift's lower linkages to suit the implement used and the type of job that needs to be done.

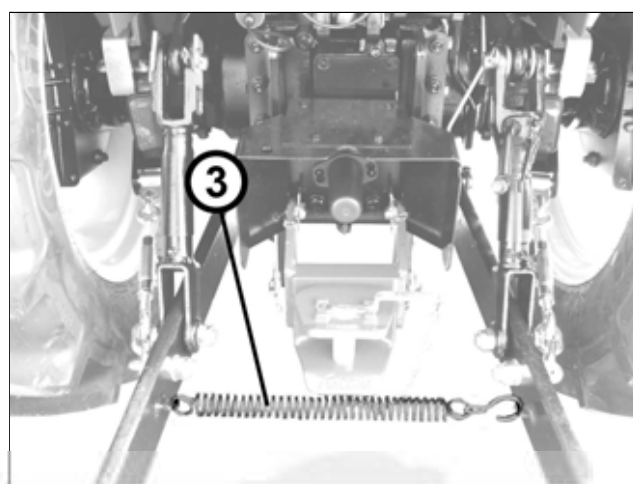
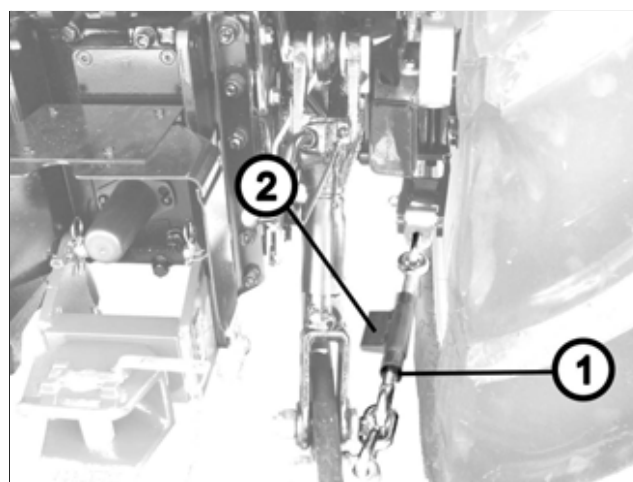
To adjust the rod, turn the handle clockwise to raise the lower link or anti-clockwise to lower it until reaching the desired height.

Side stabilizer



- Adjust the side stabilizers to limit the side swing of the power lift's lower links:
To adjust the stabilizer, remove the split pin (4) from the stabilizer itself, tighten or loosen it by means of the handle (3) until obtaining the required degree of swing, fit the split pin back in the hole (1) to lock the stabilizer in the hole (2) to allow it to swing.
50-60 mm swing for ploughs, rotary harrows, etc.
10-50 mm swing for levelling blades, hoes, etc.
0 mm for transporting implements when they are not working.

Stabilizer chains



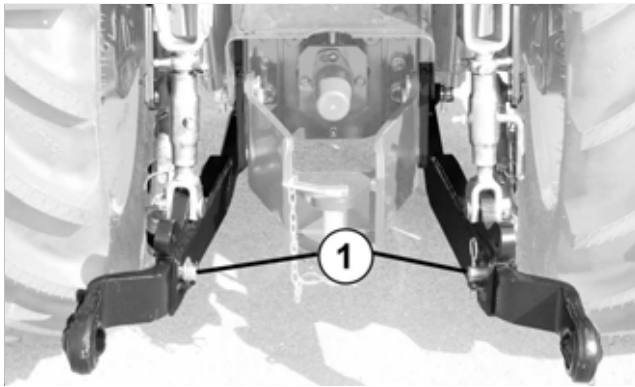
- Adjust the side chains to limit the sideways movement made by the lower link of the power lift:
To adjust the chains, unscrew the retainer nut (1) tighten or loosen the chain by means of the handle (2) until the required amount of swing has been obtained then retighten the nut to lock the chain in place.

NOTE. Make sure that the retainer spring (3) is coupled to the lower links to prevent dangerous rubbing against the wheels.

50-60 mm swing for ploughs, rotary harrows, etc.

10-50 mm swing for levelling blades, hoes, etc.

0 mm for transporting implements when they are not working.

Adjustable lower link

- To adjust the lower link, remove the split pin from the plug ①, set the link to the correct length then fit the plug ① and split pin back in place

Implement hitch end fitting

The ball ends have two holes for use as cat 1 or cat 2

AUXILIARY CONTROL VALVES

WARNING
Take extreme care when hitching and unhitching implements. Have all bystanders move well away from the area where these operations are being carried out.

DANGER
Take great care when used oil is being drained from the sump as it could be very hot and cause burns.

DANGER
Pressurized fluids can penetrate under the skin and cause serious damage. Always stop the engine and relieve the pressure before connecting/disconnecting any pipes.

DANGER
The oil and diesel fuel are under pressure. They can cause serious injuries, blindness or even death if they spurt into the eyes or on to the skin. Leaking fluid under pressure may not be visible. Use a piece of wood or paper to find leaks. Never use the bare hands. Always wear safety goggles to protect the eyes. If the fluid penetrates under the skin it must be removed as soon as possible. Seek expert medical help.

Rear hydraulic auxiliary control valves



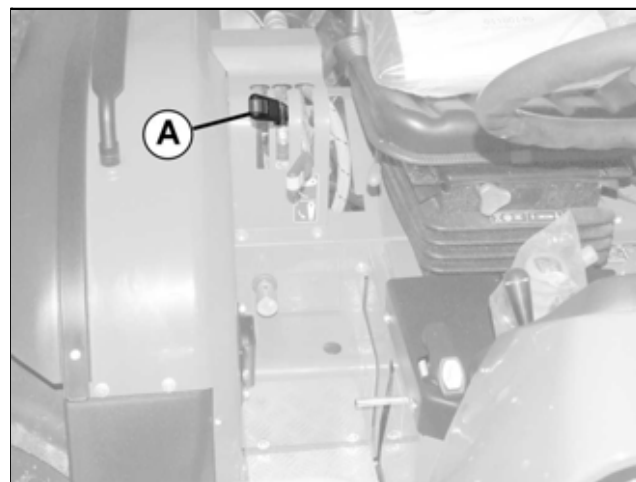
Indications valid for RS versions



Indications valid for REV versions

Cluster

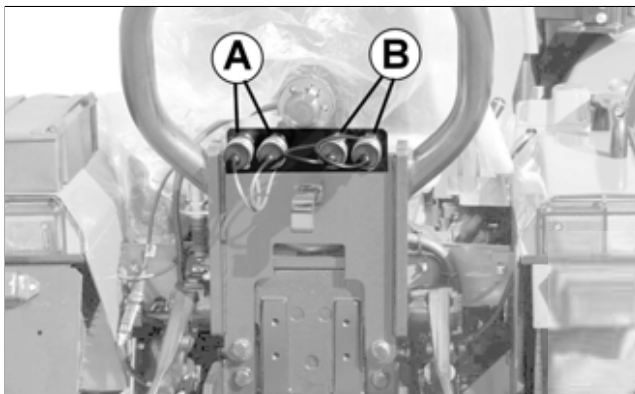
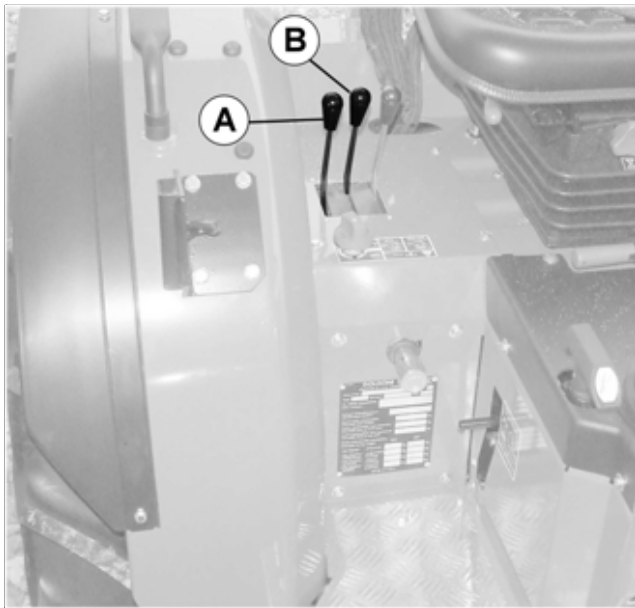
The machine is equipped with up to two double acting control valves,



Ⓐ Rear supplementary spool valve lever.

Maxter

The machine is equipped with up to two double acting control valves,



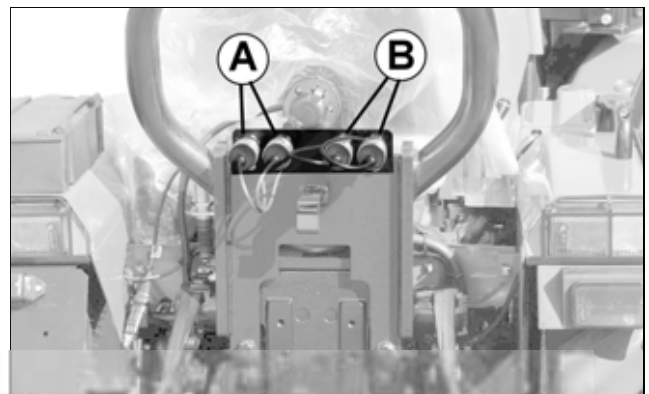
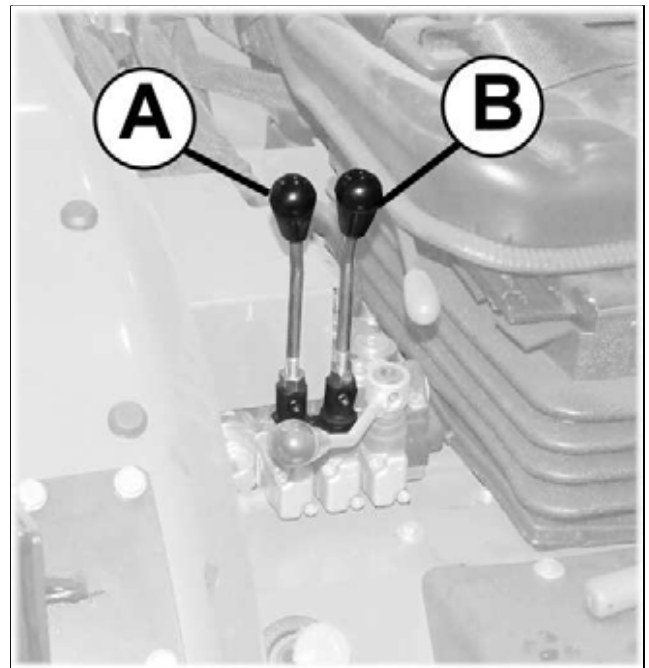
Ⓐ Rear supplementary spool valve lever.

Ⓑ Rear supplementary spool valve lever.

The valves of the valve units are the 1/2" NPTF type and are complete with rubber protections.

 **Indications valid for pivoted at the center versions**

The machine is equipped with up to two double acting control valves,



Ⓐ Rear supplementary spool valve lever.

Ⓑ Rear supplementary spool valve lever.

The valves of the valve units are the 1/2" NPTF type and are complete with rubber protections.

TOWING ATTACHMENTS



WARNING

The machine could jack up if the towing device is used in the highest position.



Choose the towing attachment to suit the type of trailer or implement towed, in compliance with the current laws in force.



The ease with which the machine can be driven also depends on the correct use and successive height adjustment of the towing device.



Keep the drawbar as horizontal as possible when using a trailer with synchronized drive.

Towing the machine

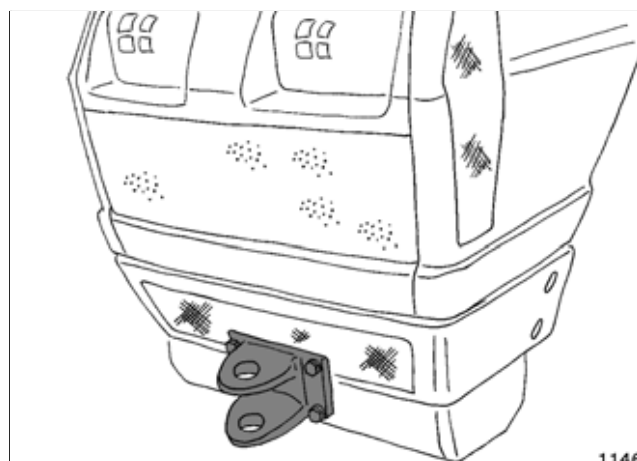
Only use, for both machines (the one that tows or the towed machine), the normal towing devices (drawbar or tow hook).

For connecting the two machines, only use a safe, strong, special chain or rope designed for this particular purpose.

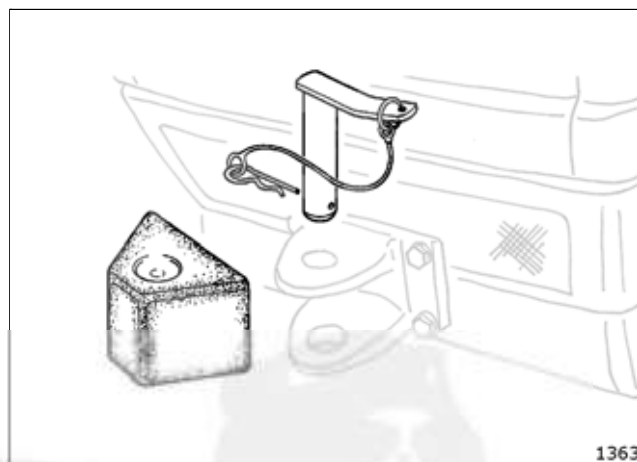
NOTE:

- The tractor must only be towed over short distances and not on public highways.
- The speed must not exceed 10 kph.
- An operator must remain seated in the driver's seat of the towed tractor.

Front tow hook

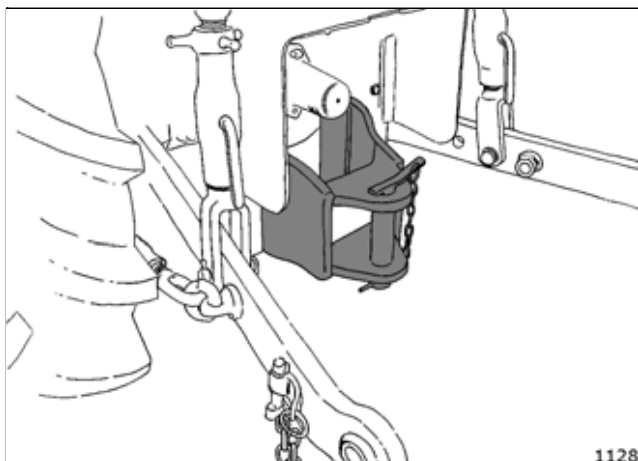


The machine is equipped with a front tow hook allowing emergency trailer manoeuvres to be made or for towing the machine if necessary.

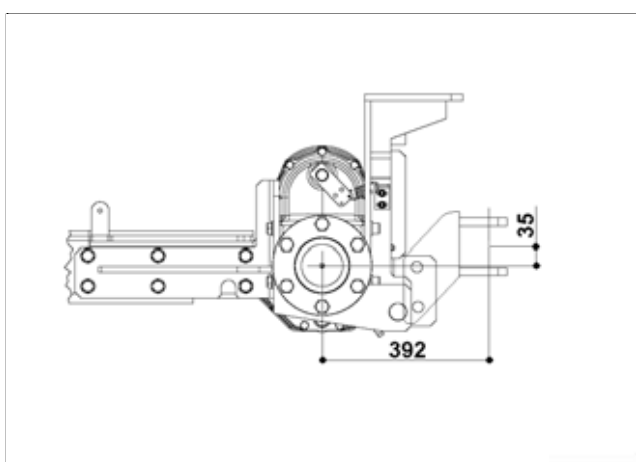


CUNA Class tow hook cat C

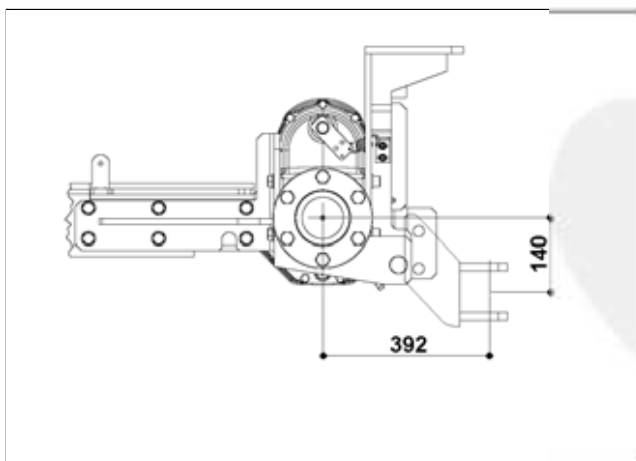
The tractor can be equipped with a rear tow hook of the "CUNA" Cat. C for towing trailers with one or two axles.



Maxter

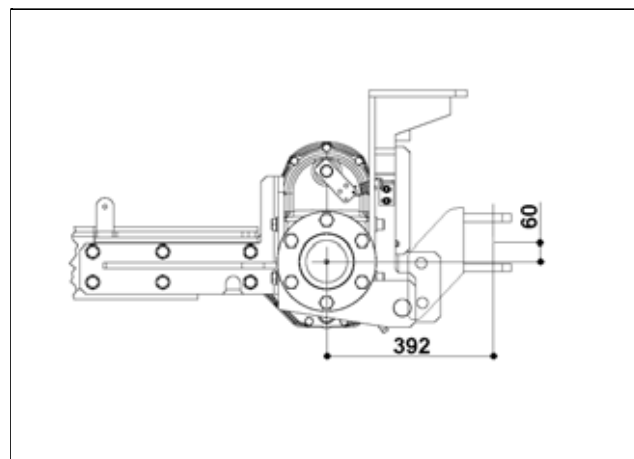


Maximum height

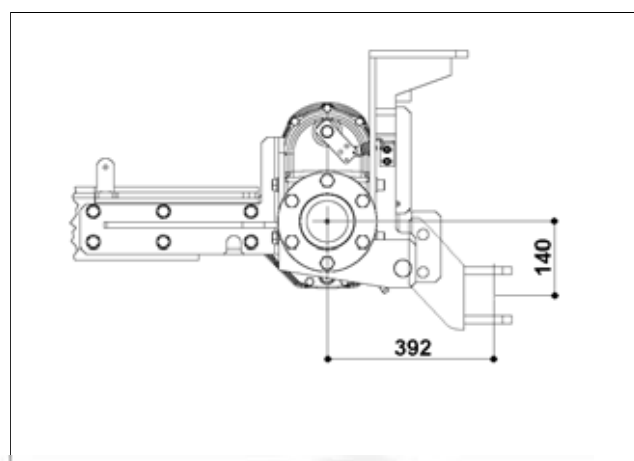


Minimum height

Cluster



Maximum height



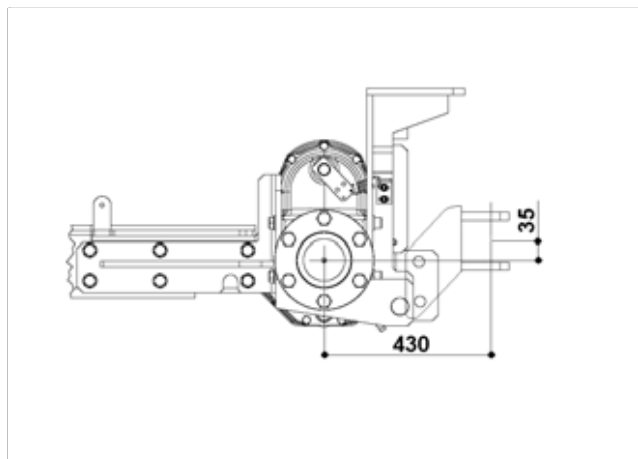
Minimum height

Tow hook adjustment (dimensions in mm).

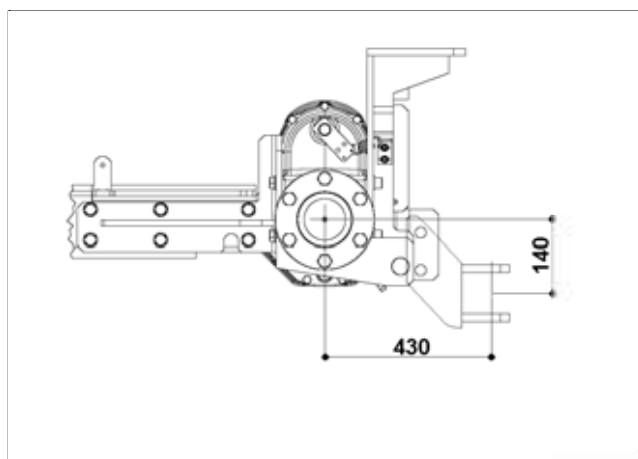
EEC Class tow hook

The tractor can be equipped with a rear tow hook of the "EEC" for towing trailers with one or two axles.

Maxter

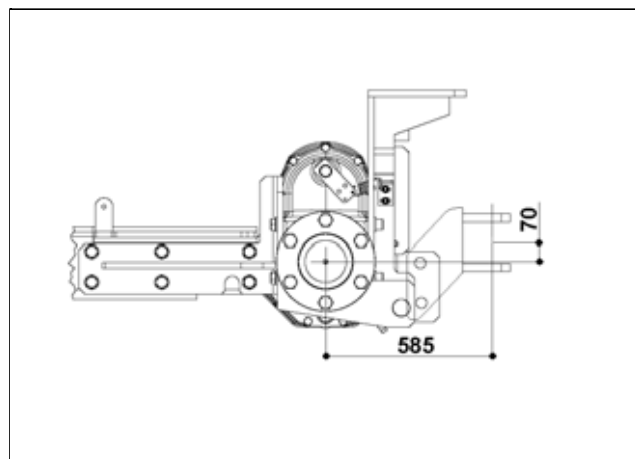


Maximum height

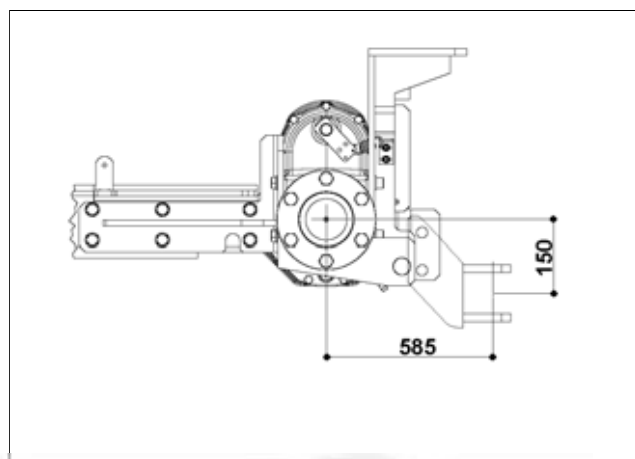


Minimum height

Cluster



Maximum height

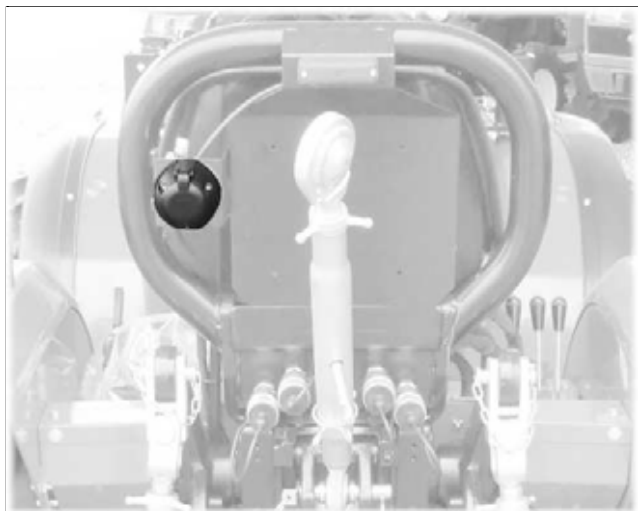


Minimum height

Tow hook adjustment (dimensions in mm).

Seven-pin trailer socket

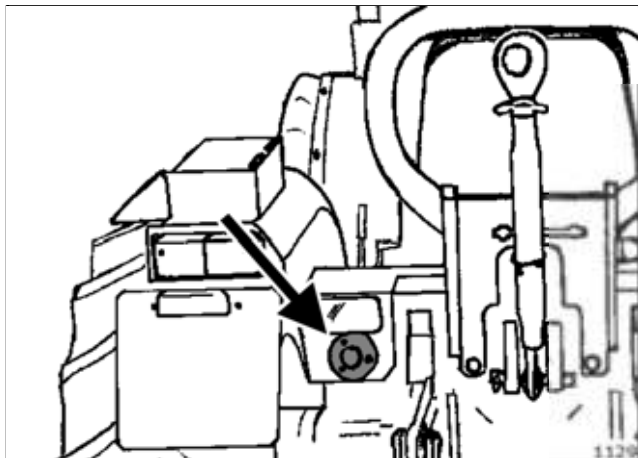
Maxter



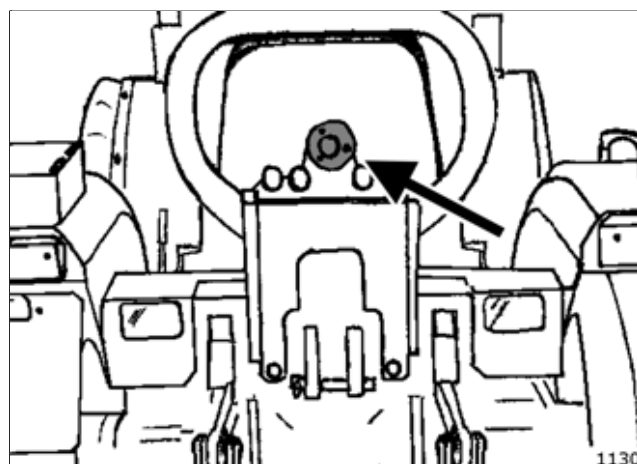
Cluster

 Indications valid for RS versions

 Indications valid for REV versions

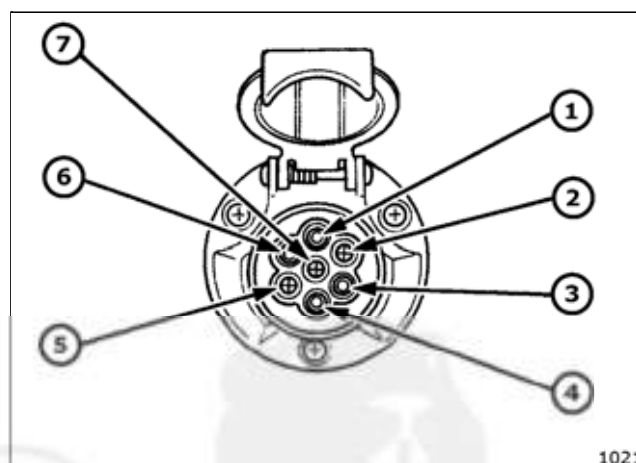


 Indications valid for pivoted at the center versions



This seven-pin socket is used to connect lights, turn indicators and other electrical devices for a trailer or implement.

Supplementary lights must be used if an implement obscures the turn indicators or other lights at the rear of the machine.



Terminal functions:

- ① Lh turn indicator.
- ② Vacant.
- ③ Ground.
- ④ Rh turn indicator.
- ⑤ Rh rear light.
- ⑥ Brake lights.
- ⑦ Lh rear light.

BALLAST

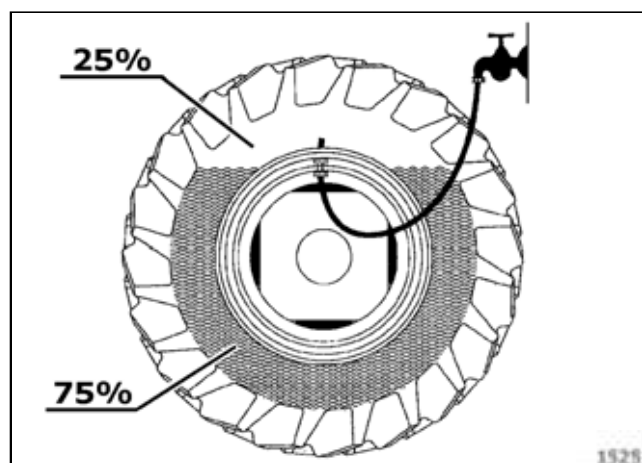
Wheel ballasting by filling the tyres with fluid

The driving wheels are ballasted by pouring water into the tyres.

Note: it is preferable to use wheels with air chambers.

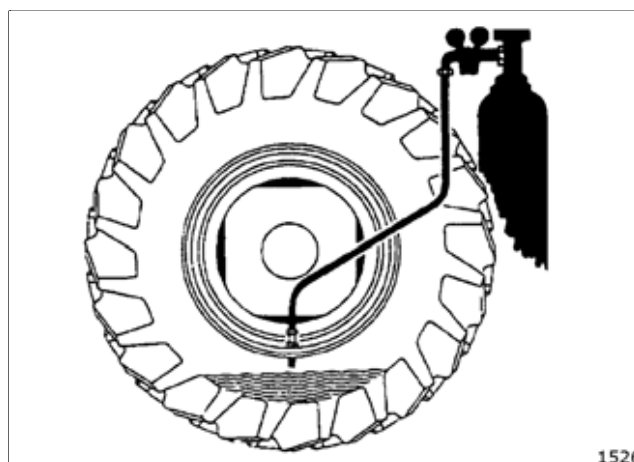
Note: if wheels with tubeless tyres are used, ask your dealer how to correctly lubricate the disc so as to prevent it from rusting.

Note: add antifreeze to the water in cold weather.



To pour in water:

- Move the valve to the top.
- Unscrew the mobile valve union with caution.
- Put in water through a special tool.
- Stop filling every so often, so as to allow the air to escape.
- Stop filling altogether when water spills from the valve.
- The filling level must equal 75% of water.
- Tighten the mobile valve union.
- Inflate with air until the normal operating pressure is obtained.



How to drain out the water:

- Move the valve to the bottom.
- Unscrew the mobile valve union with caution.
- Allow the water to drain out.
- Finish emptying with a union and draw pipe.
- Inflate with air until the water has been completely emptied out.
- Tighten the mobile valve union.
- Inflate with air until the normal operating pressure is obtained.

WHEELS

Tyres

**WARNING**

The tyres must only be changed by competent persons in possession of the necessary equipment and technical know-how.

**DANGER**

It is absolutely essential to avoid:

- Improper use.
- Overloads (even localized).
- Unsuitable pressure.
- Unsuitable rim and tyre couplings.

Tyre life and performance depends on use of the correct operating pressure: if the pressure is too low, the tyre will quickly wear out while an excessive pressure will reduce the lugging power and make the wheels more liable to slip.

A correct tyre pressure depends on various factors:

- The operating conditions.
- Machine load.
- Machine model.
- The tyre make.
- The tyre size.

You are therefore advised to consult your dealer or the tyre manufacturer.

The values given below are only approximate as they depend on the conditions described above:

Table of tyre inflation pressures
--

Maxter**Indications valid for RS versions**

Tyre	Bar (MAX)	kPa (MAX)	Position
8.25-16"	3,0	300	Front and Rear
260/70-R16"	3,0	300	Front and Rear
250/80-18"	2,5	250	Front and Rear
280/70-18"	2,0	200	Front and Rear
33/12.50 x 15" Garden	1,7	170	Front and Rear
31/15.50 x 15" Terra Tyre	1,6	recuperabile	Front and Rear
29x12.50-15"	1,8	180	Front and Rear

**Indications valid for pivoted at the center versions**

Tyre	Bar (MAX)	kPa (MAX)	Position
8.25-16"	3,0	300	Front and Rear
250/80-18"	2,5	250	Front and Rear
280/70-18"	2,4	240	Front and Rear
260/80-20"	1,6	160	Front and Rear
300/70-20"	1,6	160	Front and Rear

Cluster



Indications valid for RS versions

Tyre	Bar (MAX)	kPa (MAX)	Position
8.25-16"	3,0	300	Front and Rear
250/80-18"	2,5	250	Front and Rear
280/70-18"	2,4	240	Front and Rear
300/65-18"	2,4	240	Front and Rear
31/15.50 x 15" Xtra-Track	1,7	170	Front and Rear
31/15.50 x 15" Soft Track	1,6	160	Front and Rear



Indications valid for pivoted at the center versions

Tyre	Bar (MAX)	kPa (MAX)	Position
250/80-18"	2,5	250	Front and Rear
280/70-18"	2,4	240	Front and Rear
300/70-20"	1,6	160	Front and Rear
31/15.50 x 15" Xtra-Track	1,6	160	Front and Rear
31/15.50 x 15" Soft Track	1,6	160	Front and Rear



Indications valid for REV versions

Tyre	Bar (MAX)	kPa (MAX)	Position
8.25-16"	3,0	300	Front and Rear
250/80-18"	3,2	320	Front and Rear
280/70-18"	2,4	240	Front and Rear
300/65-18"	2,4	240	Front and Rear
31/15.50 x 15" Xtra-Track	1,6	160	Front and Rear
31/15.50 x 15" Soft Track	1,6	160	Front and Rear



Indications valid for VARIANT versions

Tyre	Bar (MAX)	kPa (MAX)	Position
9.5-20"	2,4	240	Rear
7.50-16"	2,5	250	Front
11.2-20"	1,7	170	Rear
8.25-16"	3,0	300	Front
320/70-20"	1,6	160	Rear
250/80-16"	2,5	250	Front
300/70-20"	1,6	160	Rear
280/70-16"	2,4	240	Front
340/65-20"	1,6	160	Rear
300/65-16"	2,4	240	Front

LIFTING POINTS



Hydraulic jack Consult your operation and maintenance manual for instructions about maintenance and how to perform the servicing operations.



WARNING:

Make sure that the devices have been fixed correctly before using the hydraulic ram.

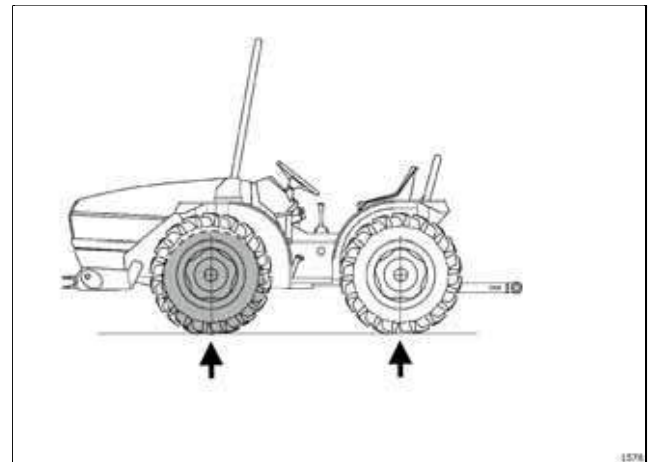


WARNING:

Do not use the tow hook as a lifting point.

The recommended lifting points are:

Wheel hubs



Use the plates on the wheel hubs as lifting points

SCHEDULED SERVICING



WARNING

Check the levels:

- Before using the machine
- With the machine at a standstill and the engine off (for at least the past hour).
- On a flat surface.

SCHEDULED SERVICING

The user must have the machine itself regularly serviced to ensure that it continues to function correctly, and to benefit from the manufacturer annual warranty coverage. Most especially, the user must, at his expense, have all the following routine servicing work performed on his machine by his manufacturer area "Dealer" or "Authorized Workshop" in accordance with the peremptory conditions and terms indicated below.

A series of symbols have been make to make the texts easier to understand. Their meanings are described below:



Instructions



Check



Clean with compressed



Adjustment



Lubrication



Greasing



Fluid changes



Part replacements



Set intervals



Washing



Work hours



When necessary.




Top up the level




Top up the level





Top up the level


 **DANGER**
Do not wear loose clothing, jewelry, neck chains or bracelets and take care if your hair is very long as it could become caught up in parts of the machine and implements.


 **DANGER**
Do not leave the engine running in an closed room: the exhaust fumes are poisonous.


 **DANGER**
Do not leave the machine with engine running near flammable substances.


 **DANGER**
After any maintenance work, grease and remove the grease from the engine to prevent the risk of a fire.


 **DANGER**
Keep hands and other parts of the body away from holes or leaks in the hydraulic system: the hydraulic fluid that spurts from the leak is under pressure and can cause serious injuries.


 **WARNING**
Do not tamper with the machine or the implements in any way.


 **WARNING**
Do not service, repair or make any kind of adjustment to the tractor or to the implements hitched to it without having first turned off the engine, removed the ignition key and lowered the implement to the ground.


 **WARNING**
Always park the tractor so that its stability is guaranteed by applying the parking brake and engaging a gear (1st gear uphill and reverse downhill) and applying the parking brake. Use a chock for greater safety.


 **WARNING**
Before driving the machine, check to be sure that there are no bystanders or animals within its range of action.


 **WARNING**
Do not leave the machine unattended with the engine running and/or the key in the ignition.


 **WARNING**
The operator must check to make sure that all parts of the tractor, especially the safety devices, are in a good working condition and that they always conform to the purpose for which they were designed. They should be kept in a perfectly efficient condition. If you note any defects or faults, fix or repair them in good time. If necessary contact your nearest Assistance Centre.

 **IMPORTANT**
Check the nuts and bolts of the wheels and safety frame from time to time, always with the engine shut off.

 **DANGER**
Safety decals have been affixed to various parts of the machine. They indicate potential dangers.

 **IMPORTANT**
The decals must be kept clean and legible. If damaged, they must be replaced.

 **WARNING**
Always disconnect the battery's ground cable (negative pole with the "-" symbol) before working on the electrical system.

 **WARNING**
Work on the battery requires particular care: battery acid is corrosive and the gases released are inflammable.



It is of fundamental importance to safeguard the environment. Incorrect waste disposal can alter the environment and the ecological system.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



Do not use food or drink containers, which could lead to mistakes, to drain off fluids like fuels, lubricants, coolants or other.



Contact an authorized organization or ask your dealer for advice about how to recycle or dispose of waste products in the correct way.



Do not dispose of parts of the cooling system (such as radiators, fluids, tanks, etc.) in the environment.































ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.







































Routine scheduled maintenance

WARNING
The following table shows the maintenance intervals.

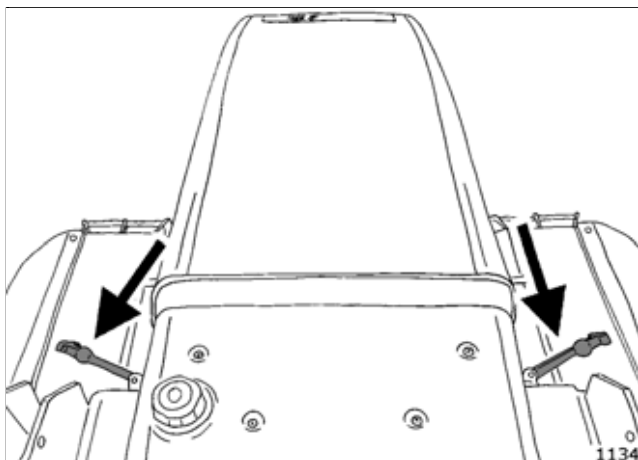
Extraordinary Maintenance: 

Working range 		Hours	50	8	50	300	300	500		1000	
		Months	12				12	24	12	24	
 	Engine oil										
	Engine oil filter										
	Fuel filter										
	Fuel tank									  	
	Cooling system		 							 	
	Transmission belt										
	Dry air filter - External filter		 							 	
	Dry air filter - Internal safety filter										

Working range 		Hours	50	150	8	50	150	400	800		
		Months	12						12	24	
	Gearbox housing, rear differential, power lift										
	Delivery oil filter (Main Pump)										
	Intake transmission oil filter										
	Front differential										
	Wheel final drives										
	Central pivot										
	Grease nipple										
	Clutch										
	Steering										
	Brakes										
	Hydraulic pipes.										
	Electrical system										

ENGINE UNIT

How to open the bonnet



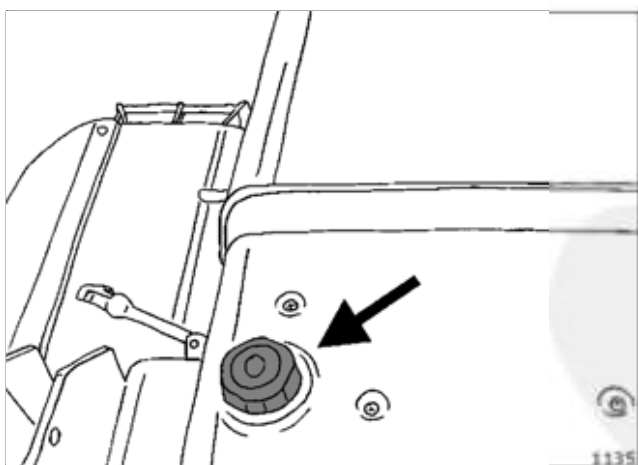
Release the rubber rods and lift the bonnet.

Engine



Consult the specific manual for the safety notes and operation and maintenance instructions for certain of the components manufactured by other companies.

Fuel tank



Check



Check:

- To make sure that there is sufficient fuel for the whole job.
- To make sure that there are no dents or abrasions on the tank.



Clean



Clean the zone surrounding the tank plug.



Top up level



Use good quality fuel with the technical specifications described in the engine's operation and maintenance manual.



WARNING

Top up the fuel level when the engine is off. Do not smoke near fuel or when the tank is being filled.



Replace




Replace the fuel plug with a genuine spare if it is missing or damaged.

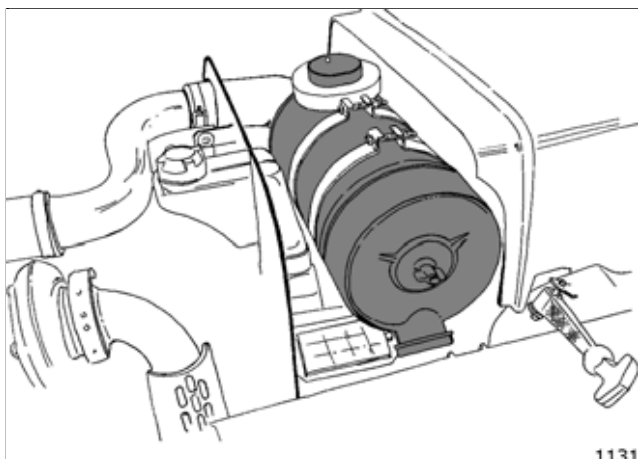
Replace the tank with a genuine spare if it has been damaged by scratches, abrasions or dents.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

Dry air filter

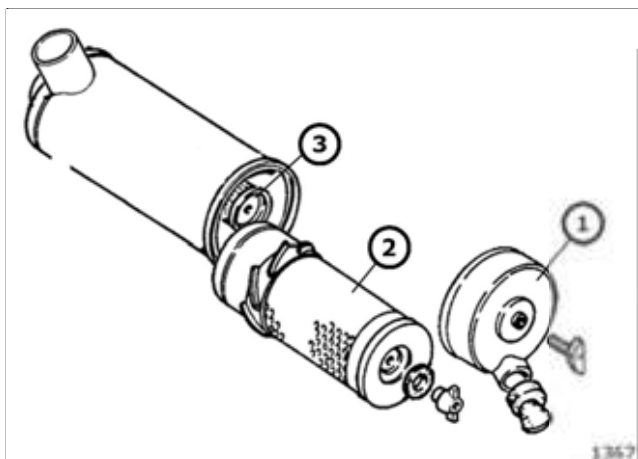
WARNING
 **Stop the engine and wait until it has cooled down before proceeding with any servicing operations.**



 **Clean**



Clean drain valve when required, or at least once a week.



- ① Cover.
- ② External filter.
- ③ Internal safety filter.

Clean the filter whenever the warning light comes on or when necessary, after evaluating the environmental conditions in which the machine works (dusty, dry, etc.). Proceed as described below:

- Release and remove the cover.
- Remove the external filter.

- Blow a jet of compressed air (maximum pressure 3 BAR) from the inside towards the outside.
- Fit the filter back into its housing.
- Close with the cover, with the drain valve in the lowest position.

DO NOT remove the internal safety filter (it must neither be cleaned nor damaged).





Replace

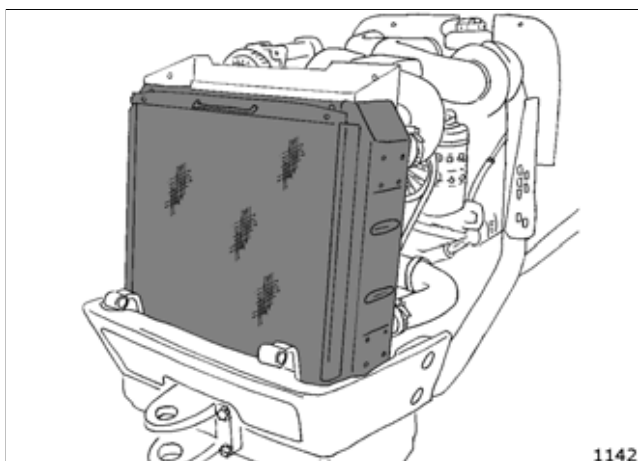


- Replace the external filter when required, or at least after every 300 h service.
- Replace the internal safety filter when required, or at least once a year.
- The internal filter changes colour when dirty

Cooling system

WARNING
 Stop the engine and wait until it has cooled down before proceeding with any servicing operations.

WARNING
 Never open the radiator's expansion tank whilst the engine is hot since the cooling fluid could cause burns as it is under pressure and very hot.



1142

Check



8

- Check the level of the cooling fluid.
- Make sure that the radiator guard is clean.
- Check the belt tension (see engine's operation and maintenance manual).
- Every so often, check to make sure that all the pipe clamps are well tightened.

Replace



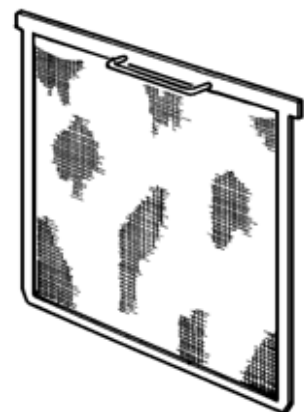
when

Change the cooling fluid every two years. Contact an authorized workshop maintenance is required.

Clean



8



1145

Clean the radiator guard when necessary, or at least once a week:

- Remove the guard from its housing.
- Blow a jet of compressed air (maximum pressure 3 BAR) from the inside towards the outside.



Top up level



Top up the level of the cooling fluid when required:

- Remove the plug from the reservoir.
- Top up the level.
- Screw the plug back on and tighten it fully.

We recommend Petronas Lubricants fluid: **PARAFLU 11**

It is also advisable to use antifreeze solutions, complying with the specifications given on the relative package.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

TRANSMISSION UNIT

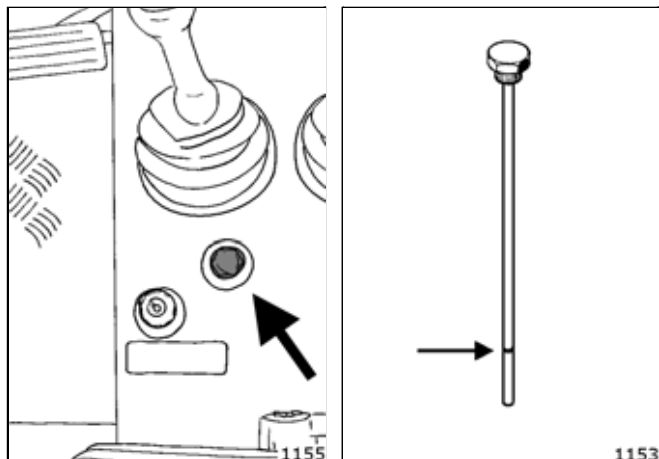
Gearbox housing, rear differential, power lift

These parts of the tractor all use the same oil.

Check



50



Top up level



Check the oil level by means of the dipstick.

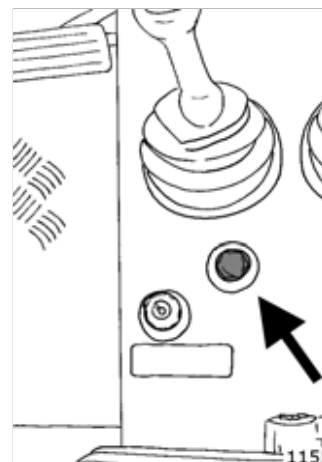
If necessary, top up with oil of the recommended type.

We recommend Arbor oil by Petronas Lubricants: **ARBOR UNIVERSAL 15W-40**

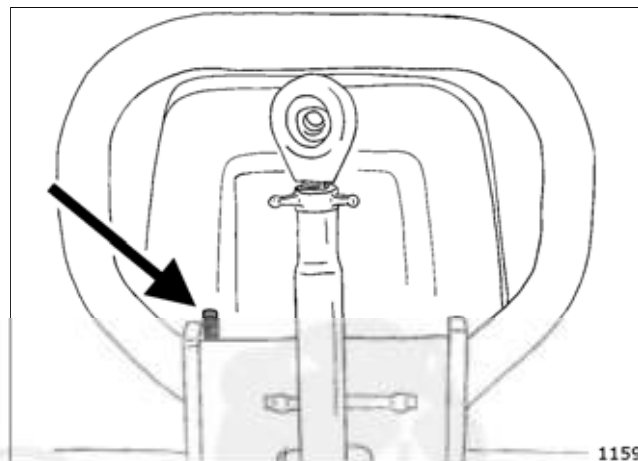
Clean



Keep the following parts clean:



- The zone surrounding the plug with the dipstick.



- The oil breather that plugs the pipe held with a clamp around the roll-bar behind the seat.

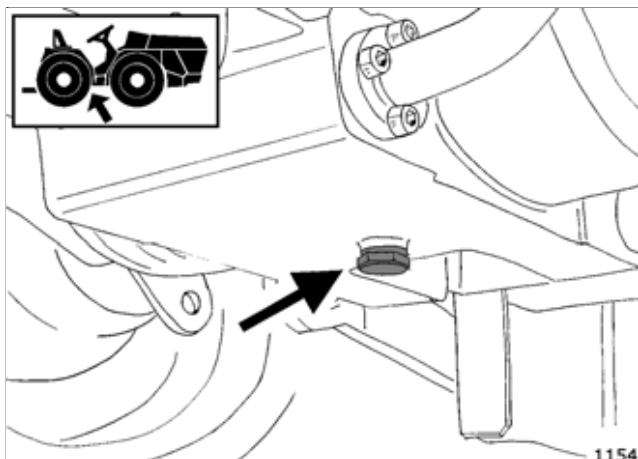


Replace

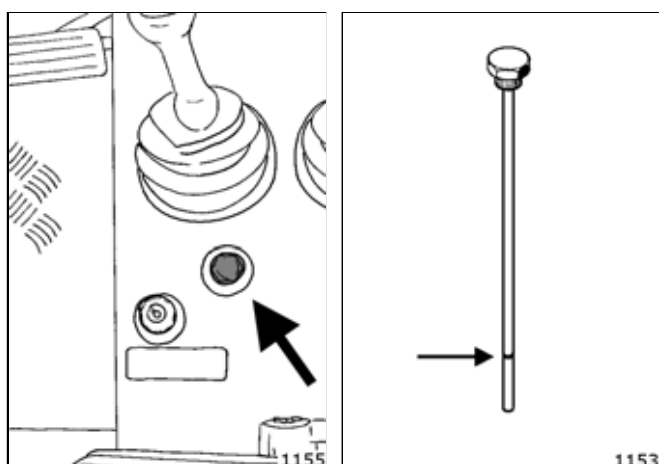


Change the transmission oil with 18 litres of new oil.

We recommend Arbor oil by Petronas Lubricants: **ARBOR UNIVERSAL 15W-40**



Drain out the oil through the plug.



Oil filling: by means of the dipstick.

Allow the oil to settle before checking the new level.

Change the transmission oil filter as necessary.

Comply with the following instructions whenever the transmission oil is changed:

- Clean the transmission oil filter on the intake.
- Replace the internal cartridge of the transmission oil filter on the delivery.



ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

Intake transmission oil filter



Washing



Maxter



Indications valid for RS versions

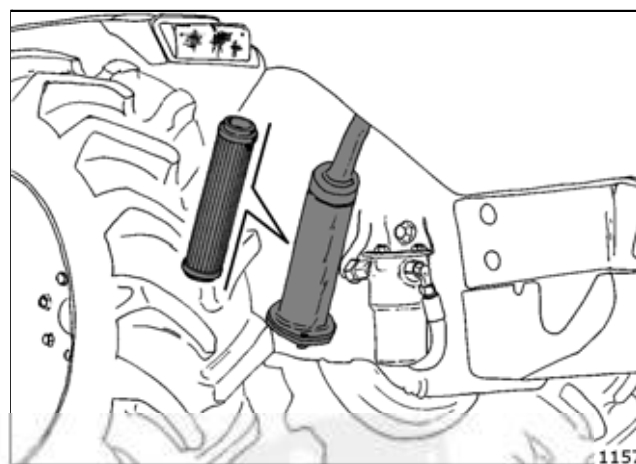


Indications valid for pivoted at the center versions

Cluster



Indications valid for pivoted at the center versions



Cluster



Indications valid for RS versions



Indications valid for REV versions




Clean the transmission oil filter:

- After the first 50 hours service.

- Whenever the oil is changed.
- After every 300 hours service.
- When the red clogged oil filter indicator light comes on.

To clean the filter:

- Unscrew the bolts that fix the cover.
- Remove the filter.
- Wash with gasoline or diesel fuel.
- Dry with compressed air.
- Fit the cover back on and close it.

 **ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.**

 **Do not discard fluids like fuels, lubricants, coolants or other, in the environment.**

Delivery oil filter (Main pump)



Cluster

 **Indications valid for REV versions**



Maxter Cluster

 **Indications valid for RS versions**

 **Indications valid for pivoted at the center versions**




Replace the internal cartridge of the transmission oil filter on the delivery:

- After every 300 hours service.
- When the red clogged oil filter indicator light comes on.

Proceed as described below to change the filter cartridge:


- Unscrew the lower part of the filter.
- Remove the internal cartridge and replace it with an original spare.
- Fit the lower part of the filter back in place and screw it in as far as it will go.

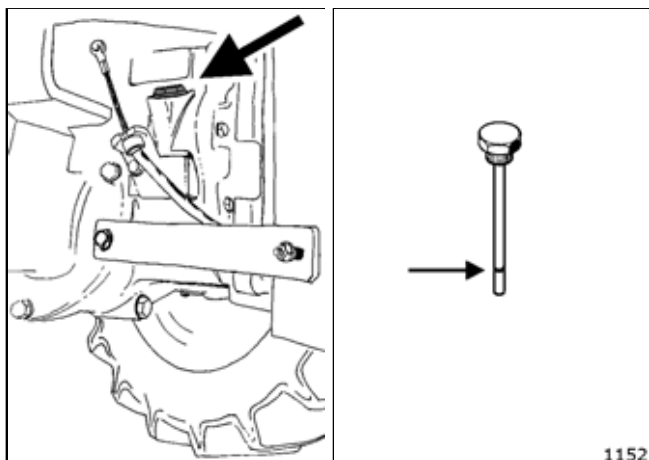
 **ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.**

 **Do not discard fluids like fuels, lubricants, coolants or other, in the environment.**

Front differential

 Check

 50



Check the oil level by means of the dipstick.
If necessary, top up with oil of the recommended type.

 Clean



Keep the following parts clean:

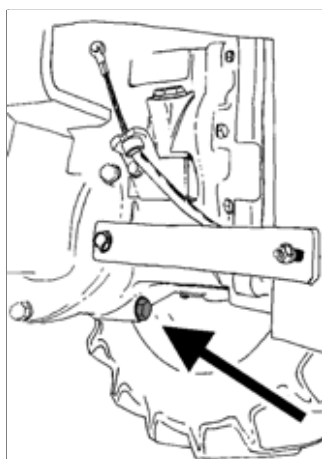
- The zone surrounding the plug with the dipstick.

 Replace

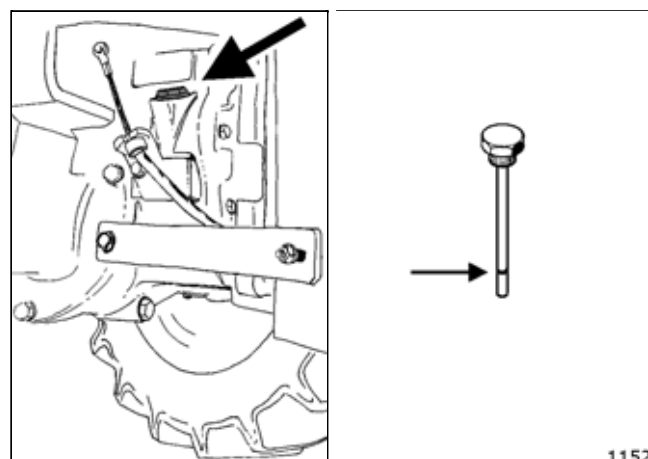


Change the transmission oil with 9.5 litres of new oil.

We recommend oil **SAE 80W - 90 (API GL - 5)**



Drain out the oil through the plug.



Oil filling: by means of the dipstick.

Allow the oil to settle before checking the new level.




ALWAYS place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

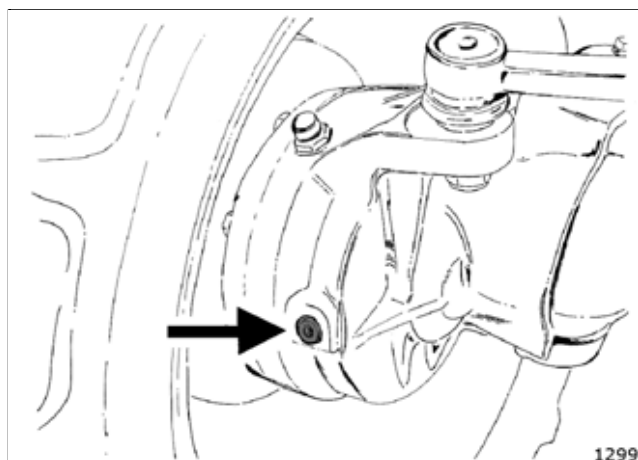


Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

Front differential

 Check

 50



Check the oil level by means of the oil level plug. The oil must reach the lower edge of the hole. If necessary, top up with oil of the recommended type.

We recommend Arbor oil by Petronas Lubricants: **ARBOR TRW 90**

 Clean



Keep the following parts clean:

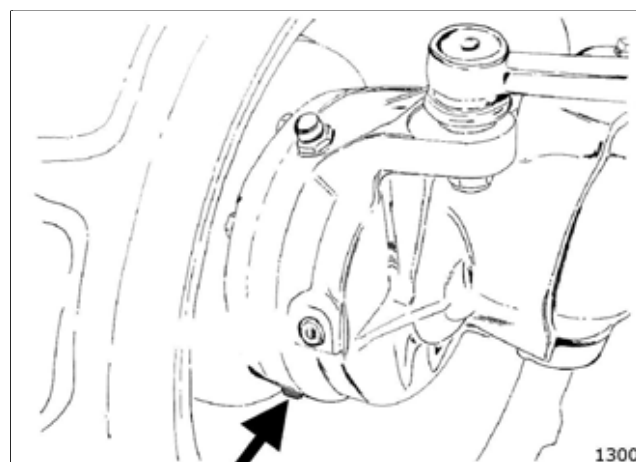
- The areas surrounding the oil level, drain and fill plugs.

 Replace

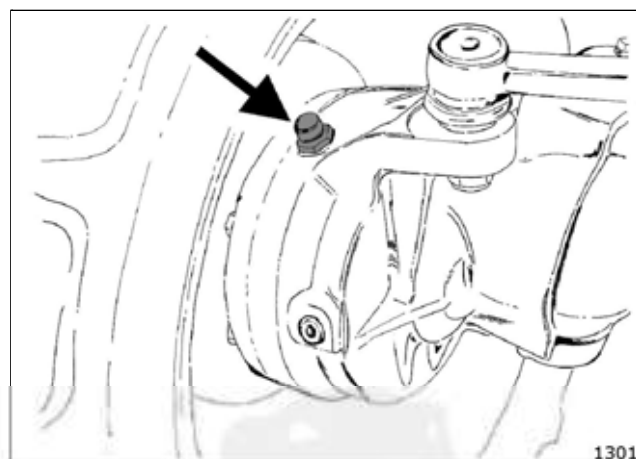


Replace the oil in the final drive, which requires 0.7 liters of fluid.

We recommend Arbor oil by Petronas Lubricants: **ARBOR TRW 90**




Drain the oil through the drain plug in the lower part of the final drive on both the front wheels.



Pour in the oil through the plug used to top up the level.

Allow the oil to settle before checking the new level.

 **ALWAYS** place a vessel under the drain hole so as to collect the fluid when draining a tank or reservoir.

 **Do not** discard fluids like fuels, lubricants, coolants or other, in the environment.

Central pivot

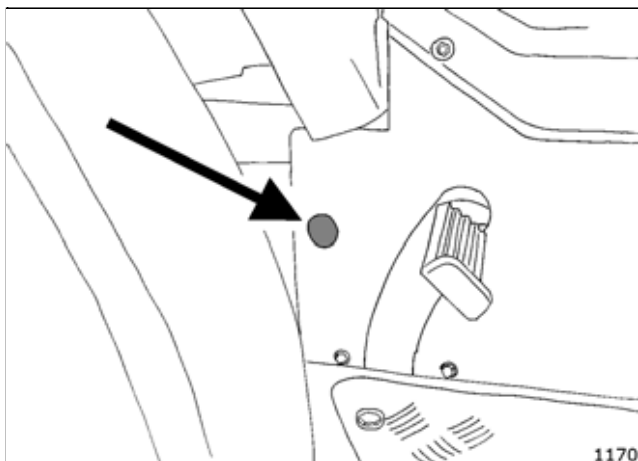
 Greasing



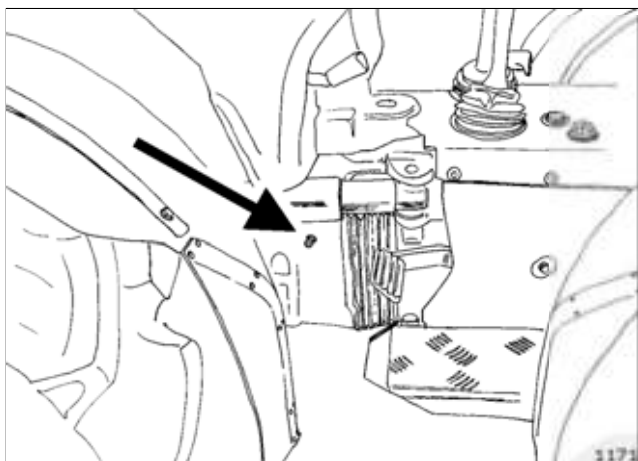
50

Axial

 Indications valid for RS versions



 Indications valid for pivoted at the center versions

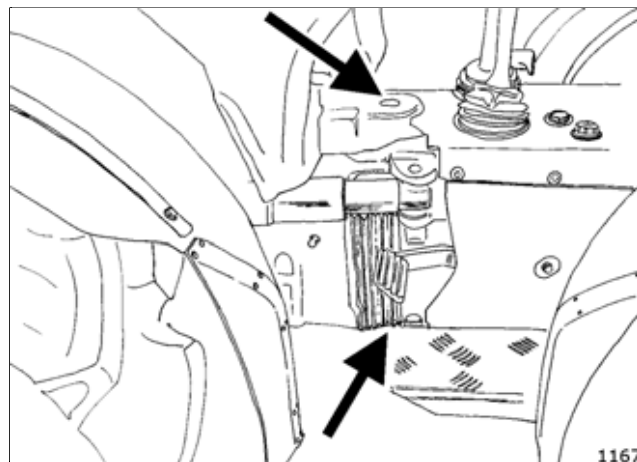


Grease:

It is advisable to use Arbor all-purpose grease by Petronas Lubricants: **ARBOR MP EXTRA**

Central steering

 Indications valid for pivoted at the center versions



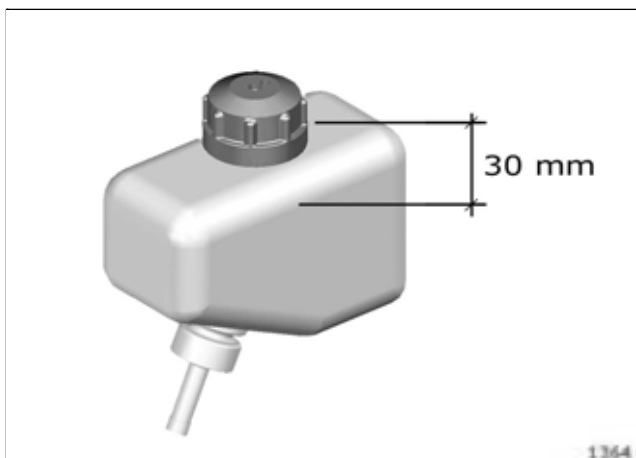
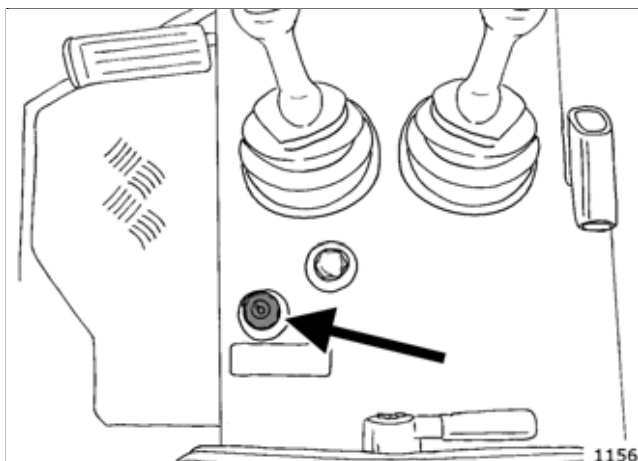
Grease:

It is advisable to use Arbor all-purpose grease by Petronas Lubricants: **ARBOR MP EXTRA**

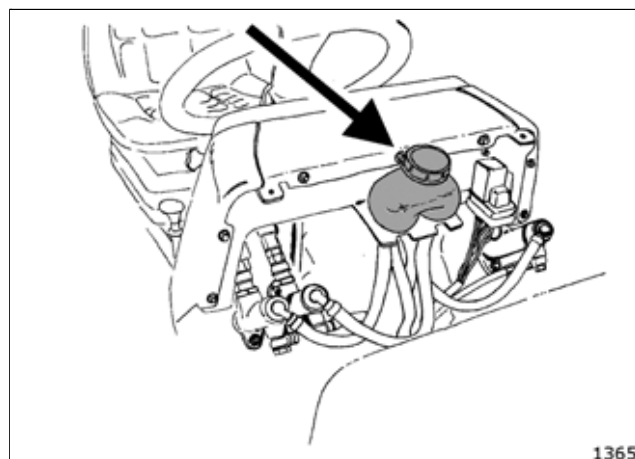
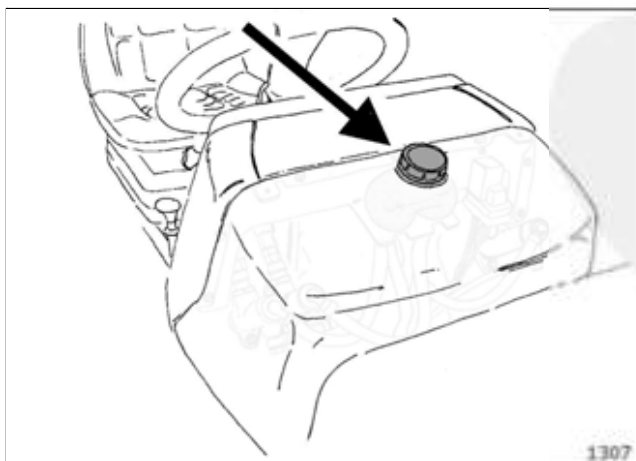
Clutch

 Indications valid for RS versions

 Indications valid for pivoted at the center versions



 Indications valid for REV versions



 Check

 150

Check the level of hydraulic oil in the reservoir. The tank must be completely full. We recommend Arbor oil by Petronas Lubricants **ARBOR MTA**



Replace



The oil in the hydraulic circuit must be changed every **2 years**.



Replace



If necessary, have the clutch assembly replaced by an authorized workshop. Only use a genuine spare.

Steering



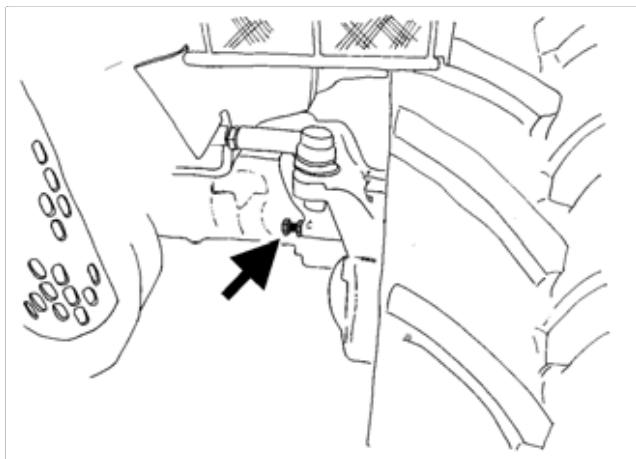
Adjustment



Indications valid for RS versions



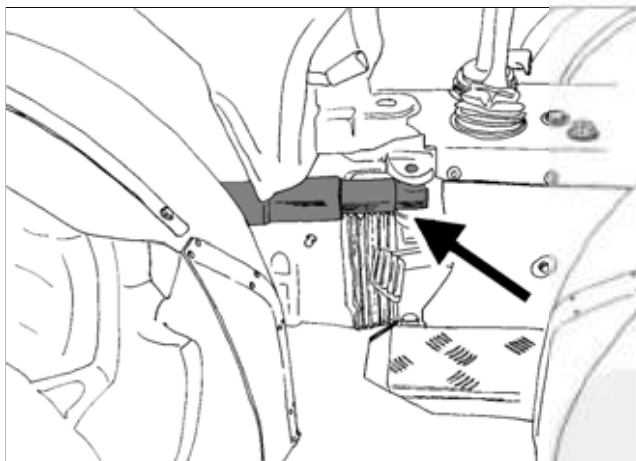
Indications valid for REV versions



Use the adjuster screws to regulate the steering radius



Indications valid for pivoted at the center versions



Comply with the following instructions if the steering radius has to be increased (for example, if wider wheels are mounted):

- Remove the pivot pin from the steering cylinder.
- Remove the rod from steering cylinder. Slacken off tube to facilitate this operation.
- Fix the spacer with the screw supplied. Use

Loctite on the threads to lock the screw.

- Fit the rod back in the cylinder.

Carry out this operation for both steering cylinders: right and left.



Greasing



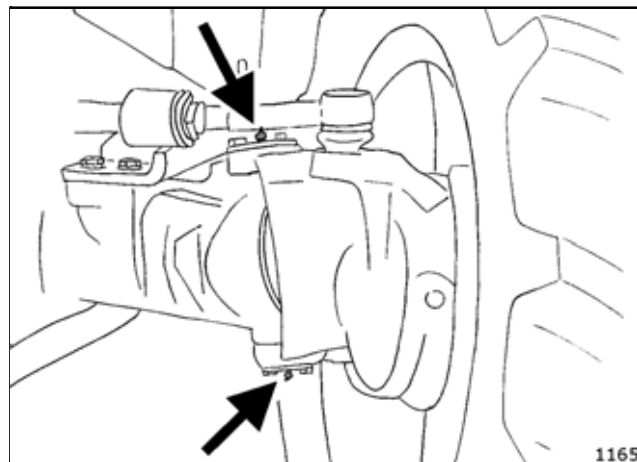
8



Indications valid for RS versions



Indications valid for REV versions



Grease:

It is advisable to use Arbor all-purpose grease by Petronas Lubricants: **ARBOR MP EXTRA**

Brakes

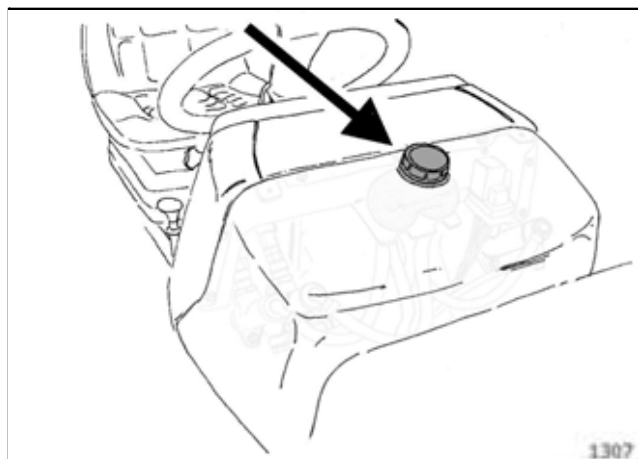
Adjustment



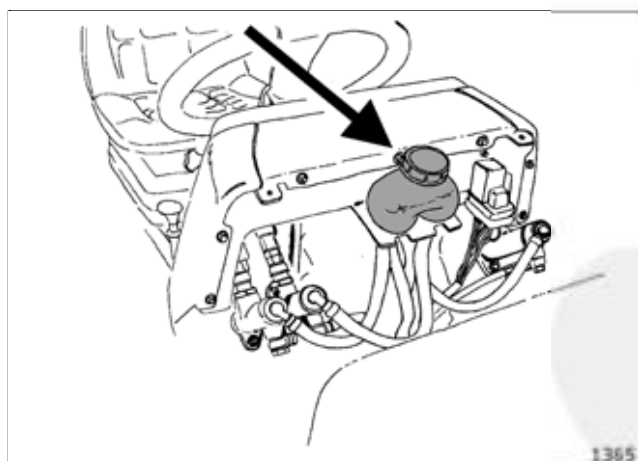
Adjust the brakes if brake pedal travel becomes excessive or when one of the wheels brakes in a different way.

! IMPORTANT
Only your dealer or specialized personnel GOLDONI s.p.a. may adjust the braking system.

Indications valid for REV versions



1307



1365

Check



150

Check the level of hydraulic oil in the reservoir. The tank must be completely full. We recommend Arbor oil by Petronas Lubricants **ARBOR MTA**



Replace



The oil in the hydraulic circuit must be changed every **2 years**.



Replace



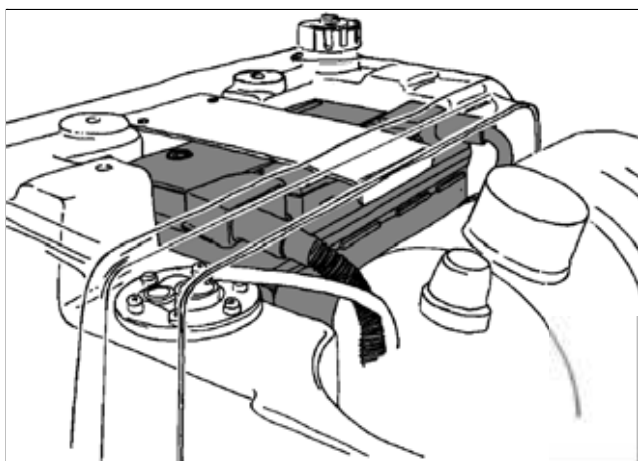
If necessary, have the clutch assembly replaced by an authorized workshop. Only use a genuine spare.

ELECTRICAL SYSTEM

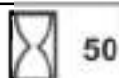
WARNING
Always disconnect the battery's ground cable (negative pole with the “-” symbol) before working on the electrical system.

Battery

WARNING
Work on the battery requires particular care: battery acid is corrosive and the gases released are inflammable.



Check



Make sure that the battery is firmly fixed to the machine.

Clean

Keep the battery clean with a damp, antistatic cloth.
 Keep the battery poles and cable terminals clean.

Greasing



Lightly grease the poles and terminals when necessary.
 Use Vaseline-based grease, not normal grease.

Top up level



Check the level of the battery acid and keep it topped up so that the battery elements are always covered. Add distilled water with the engine off and well away from naked flames.

Idle periods

If the machine remains idle for a long period of time:

- Charge the battery as indicated by the manufacturer.
- Disconnect both the cables.
- Store the battery in a cool, dry, well ventilated place.



Replace



If the battery must be replaced, make sure the new one possesses identical technical specifications (the values are given on the actual battery itself).

Headlights



If the tractor must be driven on the public highways, the headlights must comply with the Highway Code regulations in force in the country of use.



Adjustment



Consult specialized personnel in possession of the specific tools required in order to have the headlights adjusted correctly.



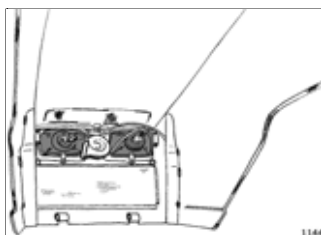
Replace



Replace burnt-out light bulbs with others if identical technical characteristics (see indications on the bulbs themselves).

Consult specialized personnel if in doubt.

Maxter



To change the dipped beam / driving beam:



Figure 1



Figure 2



Figure 3

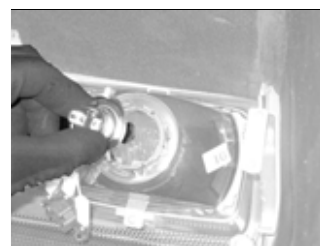


Figure 4

- Open the bonnet:
- Disconnect the wiring of the defective bulb (Figure 1).
- Remove the protective cover (Figure 2)
- Remove the retainer spring by pushing the 2 tabs downwards while turning them in the anti-clockwise direction (Figure 3).
- Remove the bulb and fit a new one in its place (Figure 4).
- Fit the spring and the protective cover back in place.
- Connect the wiring to the bulb.
- Close the bonnet
- Test both the dipped beam and driving beam to make sure that they function correctly

Cluster



- Remove the plastic cover from the headlights
- Disconnect the wiring of the defective bulb
- Remove the protective cover
- Remove the retainer spring by pushing the 2 tabs downwards while turning them in the anti-clockwise direction
- Remove the bulb and fit a new one in its place
- Fit the spring and the protective cover back in place
- Connect the wiring to the bulb
- Test both the dipped beam and driving beam to make sure that they function correctly

Side lights and turn indicators

To replace the side light and/or the turn indicator light:



Figure 1



Figure 2



Figure 3

- Disassemble the headlight protection (figure 1)
- Remove the glass holder (figure 2)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 3)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Re-assemble the glass holder and protection
- Perform an operating test

Rear lights

To replace the side light and/or the turn indicator light:



Figure 1



Figure 2



Figure 3

- Disassemble the headlight protection (figure 1)
- Remove the glass holder (figure 2)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 3)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Re-assemble the glass holder and protection
- Perform an operating test

Proceed as described below to change the license plate light bulb:



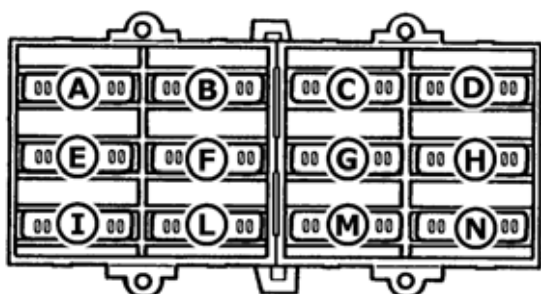
Figure 1



Figure 2

- Remove the tail lamp cover (figure 1)
- Remove the bulb by turning it 1/4 of a turn in the anti-clockwise direction (figure 2)
- Fit a new bulb in its housing, push it into place and turn it 1/4 of a turn in the clockwise direction.
- Fit the tail lamp cover back in place
- Perform an operating test.

Fuses - Maxter



D0047-0

The electrical system is protected by fuses against short circuits or abnormal power draw.

The machine is equipped with **main fuses**. These fuses protect the entire electric system.



Before changing a fuse, find and eliminate the short circuit that caused it to blow.

Replace the burnt-out fuses with others possessing the same technical characteristics (see indications on the actual fuse itself). Consult specialized personnel if in doubt.



Fuse functions:

Indications for machines with **electrohydraulically controlled double clutch**:

(A) **7.5A**

Rh dipped beam.

(B) **7.5A**

Lh dipped beam.

(C) **10A**

Rh front side light.

Lh rear light.

7-pin socket.

License plate light.

Multifunction instrument lighting

(D) **10A**

Lh front side light.

Rh rear light.

7-pin socket.

(E) **10A**

Driving beams.

Driving beam indicator.

Flashing headlights.

(F) **10A**

Parking brake switch power supply.

(G) **15A**

Horn.

(H) **25A**

1-pin socket power supply.

Power supply of turn indicator hazard light switch (+30).

(I) **10A**

Power supply of rear draft energizing connector.
PTO selector switch.

(L) **10A**

Power supply of motor stop solenoid.

(M) **7.5A**

Alternator energizing.

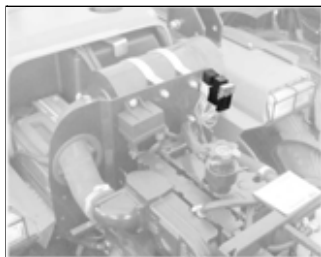
Ppreheater plant energizing.

7-pin socket.


Multifunction digital instrument

(N)  **10A**

Power supply of turn indicator hazard light switch (+15).



Main fuse

 **70A**

General protection of electrical system.

Fuse functions:

Indications for machines **without**
electrohydraulically controlled double
clutch:

(A)  **7.5A**

Rh dipped beam.

(B)  **7.5A**

Lh dipped beam.

(C)  **10A**

Rh front side light.

Lh rear light.

7-pin socket.

License plate light.

Multifunction instrument lighting

(D)  **10A**

Lh front side light.

Rh rear light.

7-pin socket.

(E)  **10A**

Driving beams.

Driving beam indicator.

Flashing headlights.

(F)  **10A**

Parking brake switch power supply.

(G)  **15A**

Horn.

(H)  **25A**

1-pin socket power supply.

Power supply of turn indicator hazard light switch (+30).

(I)  **10A**

Power supply of rear draft energizing connector.

(L)  **10A**

Power supply of motor stop solenoid.

(M)  **7.5A**

Alternator energizing.

Ppreheater plant energizing.

7-pin socket.


Multifunction digital instrument

(N)  **10A**

Power supply of turn indicator hazard light switch (+15).

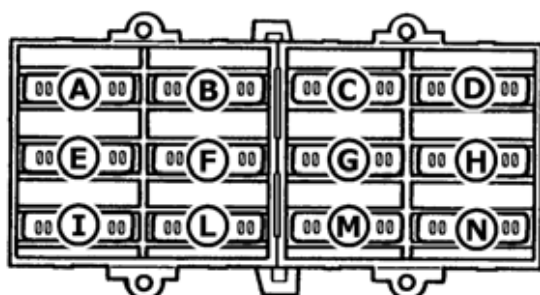
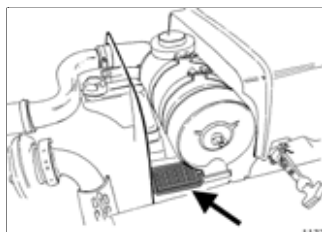


Main fuse

 **70A**

General protection of electrical system.

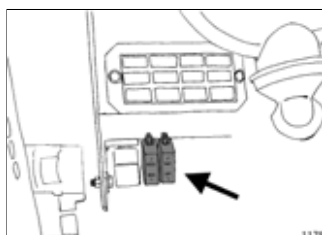
Fuses - Cluster



D0047-0

The electrical system is protected by fuses against short circuits or abnormal power draw.

The machine is equipped with **main fuses**. These fuses protect the entire electric system.



Before changing a fuse, find and eliminate the short circuit that caused it to blow.

Replace the burnt-out fuses with others possessing the same technical characteristics (see indications on the actual fuse itself). Consult specialized personnel if in doubt.

Fuse functions:

Indications for machines with **electrohydraulically controlled double clutch**:

Ⓐ 5A

Rh front side light.
Multifunction instrument lighting
Lh rear light.
7-pin socket.
License plate light.

Ⓑ 5A

Lh front side light.
Rh rear light.
7-pin socket.

Ⓒ 10A

Multifunction digital instrument
PTO indicator relay.
7-pin socket.
Alternator energizing.
Ppreheater plant energizing.

Ⓓ 15A

Power supply of motor stop solenoid.

Ⓔ 5A

Rh dipped beam.

Ⓕ 5A

Lh dipped beam.

Ⓖ 10A

Revolving beacon switch
Parking brake switch power supply.

Ⓗ 10A

Rear draft energizing connection.
Drainage selector switch.

Ⓘ 15A

Rh and Lh driving beams.
Driving beam indicator.

Ⓛ 15A

Horn.

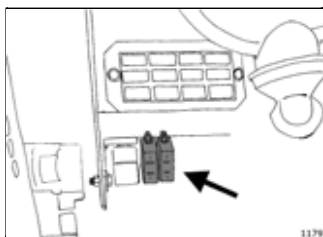
Ⓜ 15A

1-pin socket power supply.

Power supply of turn indicator hazard light switch (+30).

(N) 15A

Power supply of turn indicator hazard light switch (+15).



Main fuse

50A

General protection of electrical system.

Fuse functions:

Indications for machines **without electrohydraulically controlled double clutch:**

(A) 15A

Power supply of motor stop solenoid.

(B) 10A

Alternator energizing.
Preheater plant energizing.
Multifunction digital instrument
PTO indicator relay.
7-pin socket.

(C) 5A

Lh front side light.
Rh rear light.
7-pin socket.

(D) 5A

Rh front side light.
Multifunction instrument lighting
Lh rear light.
7-pin socket.
License plate light.

(E) 10A

Rear draft ELX connection.
PTO selector switch.

(F) 10A

Revolving beacon switch
Parking brake switch power supply.

(G) 5A

Lh dipped beam.

(H) 5A

Rh dipped beam.

(I) 15A

Power supply of turn indicator hazard light switch (+15).

(L) 15A

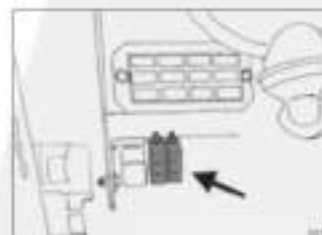
1-pin socket power supply.
Power supply of turn indicator hazard light switch (+30).

(M) 15A

Horn.

(N) 15A

Front light connector.
Rh and Lh driving beams.
Driving beam indicator.



Main fuse

50A

General protection of electrical system.

Fuse functions: Indications valid for REV versions

Machines **with electrohydraulically controlled double clutch.**

(A) 15A

Revolving beacon switch

(B) 10A

Power supply of motor stop solenoid.
Alternator energizing.
Ppreheater plant energizing.
7-pin socket.

(C) 5A

Lh front side light.
Rh rear light.

(D) 5A

Rh front side light.
Lh rear light.
Multifunction instrument lighting
License plate light.
7-pin socket.

(E) 10A

Rear draft energizing connection.
Drainage selector switch.

(F) 10A

Parking brake switch power supply.
7-pin socket.

(G) 5A

Lh dipped beam.

(H) 5A

Rh dipped beam.

(I) 15A

Power supply of turn indicator hazard light switch (+15).

(L) 15A

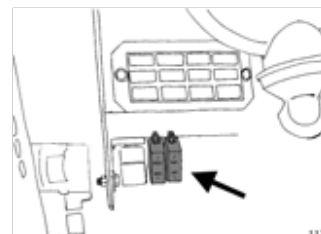
Power supply of turn indicator hazard light switch (+30).
1-pin socket power supply.

(M) 15A

Horn.

(N) 15A

Driving beams.



Main fuse

50A

General protection of electrical system.

Engine air filter clogging sensor



IMPORTANT

If the protection is positioned incorrectly, this could cause serious damage to the engine's air intake circuit.



Check

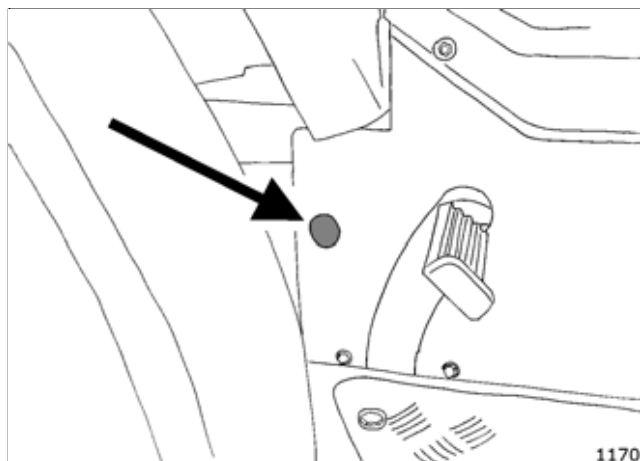
Make sure that the engine air filter's clogging gauge is in the correct position and, if maintenance work is carried out, that it is correctly assembled and protected against the outdoor weather conditions.

It is essential for the cable connecting to the electrical system of the machine to come out of the lower part of the actual gauge itself.

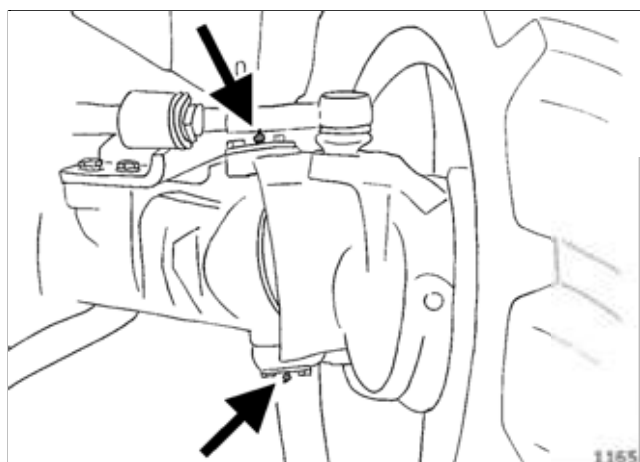
GREASE NIPPLE

Grease nipple

Maxter 60 RS Cluster 70 RS

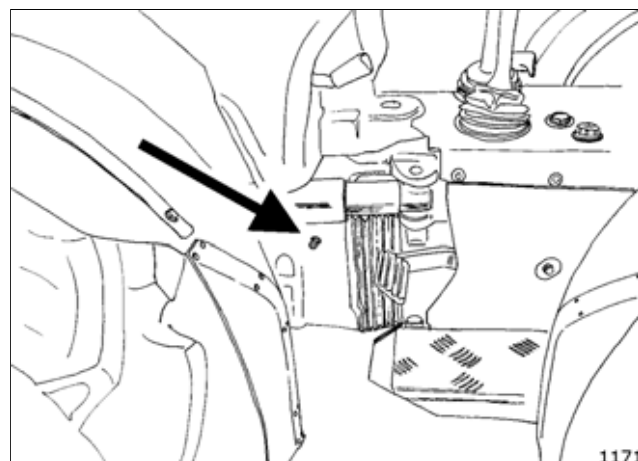


Axial

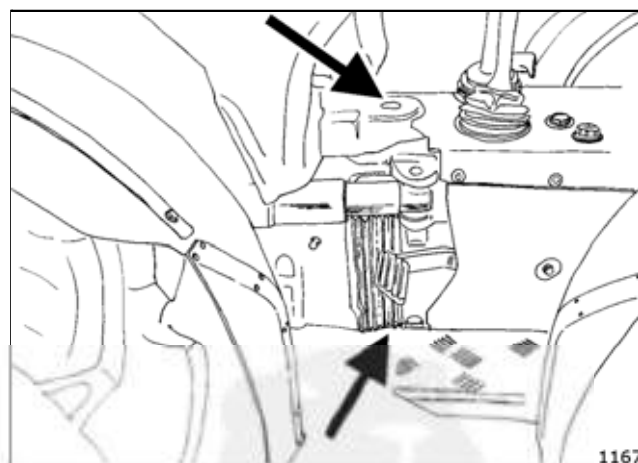


Front right and left wheel articulation: 2 grease nipples each side

Maxter 60 Cluster 70



Axial



Central articulation 2 grease nipples (bottom and top)

BODYWORK



WARNING

If you use jets of pressurized water for cleaning, direct the jet well away from:

- **Components of the electrical system.**
- **Tyres.**
- **Hydraulic pipes.**
- **Radiator.**
- **Electrical components.**
- **Soundproofing seals.**
- **Other components that could be damaged by the pressure of the water.**



Check

Periodically check the condition of the bodywork. To ensure long life, have abrasions and deep scratches repaired by specialized personnel. Make sure that water does not remain in hidden parts of the bodywork.



Clean

Clean the bodywork with a normal solution of water and a specific shampoo:

- When needed if the tractor is used in a **normal** environment.
- Frequently if it is used in places near the **sea**.
- Immediately after using organic substances or chemicals.



Do not discard fluids like fuels, lubricants, coolants or other, in the environment.

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

			Maxter	Cluster
Engine	Type		VM direct injection	
	Rated power	Kw (hp) / rpm	35 (48) / 2600	48 (66) / 2600
	Cylinders	N	3	3 Turbo Intercooler
	Cooling		Water	
	Displacement	cc	2082	
	Torque reserve		-	35%
	Fuel tank	lt.	30	50

			Maxter 60	Maxter 60 RS	Cluster 70	Cluster 70 RS	Cluster 70 RS REV
Transmission	N° speed gears		12 + 4 Synchronized	16 + 16 Synchronized	12 + 4 Synchronized	16 + 16 Synchronized	
	Clutch	Dry single-plate	9"		11"		
	Direction reverser		Synchronized				
	Rear differential lock		Mechanical				Electrohydraulic
	Front differential lock		Mechanical				Electrohydraulic
	Speeds	Kph	30				

		Maxter	Cluster
Brakes and steering system	Type of brakes	oil-cooled multiple-plates	
	Type of steering system	Hydrostatic with load sensing valve	
	Steering angle	45°	50°

			Maxter 60	Maxter 60 RS	Cluster 70	Cluster 70 RS	Cluster 70 RS REV
Power take-off	Rear	Type	With two independent speeds 540/750 rpm and speeds synchronized with all the gearbox speeds 1-3/8" profile with 6 splines				
		Clutch	/	oil-cooled multiple-plates			
		Control	/	Electrohydraulic	Mechanical	Electrohydraulic	
	Front	Type					
		Clutch					
		Control					

				Maxter	Cluster
Power lift	Rear	Type		Up-down	
		Lifting capacity	Kg	1500	1800
		3-point hitch		Cat. 1 and 1N	
	Front	Type			
		Lifting capacity	Kg		
		3-point hitch			

			Maxter 60	Maxter 60 RS	Cluster 70	Cluster 70 RS	Cluster 70 RS REV
Hydraulic circuit	Pump capacity	lt/min.	38		40		25 + 40
	Rear hydraulic control valves		2			Up to 3	
	Front hydraulic control valves						

		Maxter 60	Maxter 60 RS	Cluster 70	Cluster 70 RS	Cluster 70 RS REV
Driver's position	Platform	Not installed				Integral platform on silent-blocks
	Safety frame.	Folding roll bar				
	Instrumentation	Analog		Digital		
	Seat	Adjustable in the horizontal and vertical directions and installed on type-approved elastic suspensions.				
	Tow hook	<ul style="list-style-type: none">Type CUNA Cat. CCat. CEE				

DIMENSIONS AND WEIGHTS

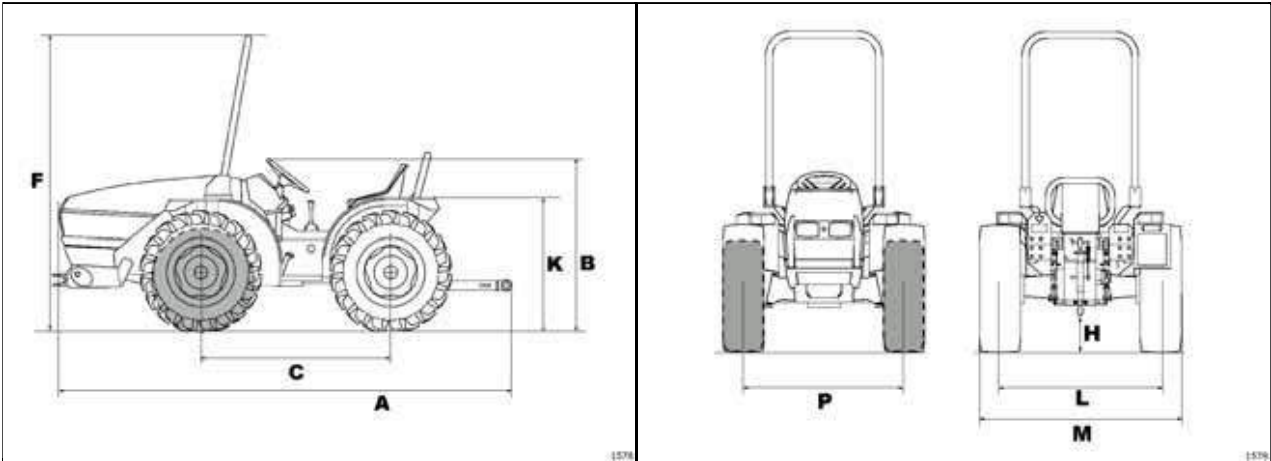


Table of Machine Dimensions and Weights - (Maxter)

The data are calculated with wheels: Front and Rear 280/70-18"

			Maxter 60	Maxter 60 RS
A	Max length	mm	3250	
M	Min - max width	mm	1195 - 1375	1425 - 1515
F	Height to chassis	mm	2160	2130
B	Max height to steering wheel	mm	1190	
K	Height to seat	mm	831	
H	Ground clearance	mm	250	
C	Wheelbase	mm	1370	
P	Min - max Front track	mm	870 - 1140	1020 - 1280
L	Min - max Rear track	mm	870 - 1140	1020 - 1280
	Minimum turning radius with brakes	mt	2,38	3,50
	Weight with safety frame	Kg	1650	

Table of Machine Dimensions and Weights - (Cluster)
--



Indications valid for RS versions

Dimensions and Weights (1)

A	Max length	mm	2930
M	Min - max width	mm	1340 - 1800 (3)
F	Height to chassis	mm	2110
B	Max height to steering wheel	mm	1220
H	Ground clearance	mm	295
C	Wheelbase	mm	1372
P	Min - max Front track	mm	1060
L	Min - max Rear track	mm	1060
/	Minimum turning radius without brakes	mt	3,4 (4)
/	Weight with safety frame	Kg	1790

(1) The values are calculated with 280/70/18 front and rear wheels (equal-wheel version) and with 300/70/20 rear and 280/70/16 front wheels (Variant version)

(3) 1200 mm with 8.25x16" tyres

(4) 3.1 m with 8.25x16" tyres



Indications valid for RS VARIANT versions

Dimensions and Weights (1)

A	Max length	mm	2940
M	Min - max width	mm	1390 - 1800
F	Height to chassis	mm	2090
B	Max height to steering wheel	mm	1250
H	Ground clearance	mm	335
C	Wheelbase	mm	1375
P	Min - max Front track	mm	/
L	Min - max Rear track	mm	1080
/	Minimum turning radius without brakes	mt	3,2 (6)
/	Weight with safety frame	Kg	1770

(1) The values are calculated with 280/70/18 front and rear wheels (equal-wheel version) and with 300/70/20 rear and 280/70/16 front wheels (Variant version)

(6) 2.9 m with 9.5R20 rear and 7.50x16" front tyres



Indications valid for pivoted at the center versions

Dimensions and Weights (1)

A	Max length	mm	2930
M	Min - max width	mm	1160 - 1560 (2)
F	Height to chassis	mm	2110
B	Max height to steering wheel	mm	1185
H	Ground clearance	mm	280
C	Wheelbase	mm	1372
P	Min - max Front track	mm	880
L	Min - max Rear track	mm	880
/	Minimum turning radius without brakes	mt	2,38
/	Weight with safety frame	Kg	1770

(1) The values are calculated with 280/70/18 front and rear wheels (equal-wheel version) and with 300/70/20 rear and 280/70/16 front wheels (Variant version)

(2) 995 mm with 8.25x16" tyres



Indications valid for REV versions

Dimensions and Weights (1)

A	Max length	mm	3110
M	Min - max width	mm	1340 - 1800 (3)
F	Height to chassis	mm	2110
B	Max height to steering wheel	mm	1220
H	Ground clearance	mm	295
C	Wheelbase	mm	1552
P	Min - max Front track	mm	1060
L	Min - max Rear track	mm	1060
/	Minimum turning radius without brakes	mt	3,8 (5)
/	Weight with safety frame	Kg	1850

(1) The values are calculated with 280/70/18 front and rear wheels (equal-wheel version) and with 300/70/20 rear and 280/70/16 front wheels (Variant version)

(3) 1200 mm with 8.25x16" tyres

(5) 3.4 m with 8.25x16" tyres



Indications valid for REV VARIANT versions

Dimensions and Weights (1)

A	Max length	mm	3130
M	Min - max width	mm	1390 -1800
F	Height to chassis	mm	2090
B	Max height to steering wheel	mm	1250
H	Ground clearance	mm	335
C	Wheelbase	mm	1552
P	Min - max Front track	mm	/
L	Min - max Rear track	mm	1080
/	Minimum turning radius without brakes	mt	3,4 (7)
/	Weight with safety frame	Kg	1850

(1) The values are calculated with 280/70/18 front and rear wheels (equal-wheel version) and with 300/70/20 rear and 280/70/16 front wheels (Variant version)

(7) 3.1 m with 9.5R20 rear and 7.50x16" front tyres

Engine

For the engine dimensions and weights:



See engine's operation and maintenance manual.

Maximum load per axle



For information about the maximum loads per axle, refer to the **certificates of conformity** supplied with the machine

SPEEDS

Speed Chart - (Maxter)

In **kph** with engine at 2600 Rpm and 280/70x18 wheels (Speeds are purely indicative)

Forward			Reverse	
	Maxter 60	Maxter 60 RS	Maxter 60	Maxter 60 RS
1st Slow	1,4	0,9	2,1	0,7
2nd Slow	2,2	1,3	/	0,9
3rd Slow	3,0	2,0	/	1,4
4th Slow	/	2,8	/	2,0
1° low speed	4,7	3,1	7,3	2,3
2° low speed	7,4	4,3	/	3,1
3° low speed	10,4	6,8	/	4,7
4° low speed	/	9,5	/	6,8
1° normal speed	5,6	3,7	8,5	2,6
2° normal speed	8,69	5,1	/	3,6
3° normal speed	12,1	7,9	/	5,7
4° normal speed	/	11,1	/	7,9
1st Fast	14,3	9,5	22,0	6,8
2nd Fast	22,4	13,1	/	9,4
3rd Fast	31,3	20,5	/	14,7
4th Fast	/	28,6	/	20,5

Speed Chart - (Cluster)

In **kph** with engine at 2600 Rpm and 250/80x18 wheels (Speeds are purely indicative)

Forward			Reverse	
	Cluster 70	Cluster 70 RS Cluster 70 RS REV	Cluster 70	Cluster 70 RS Cluster 70 RS REV
1st Slow	1,4	0,8	/	0,6
2nd Slow	2,5	1,2	2,4	0,9
3rd Slow	3,4	2,0	/	1,5
4th Slow	/	2,8	/	2,0
1° low speed	4,8	2,8	/	2,0
2° low speed	8,5	4,3	8,3	3,1
3° low speed	11,8	7,0	/	5,0
4° low speed	/	9,7	/	7,0
1° normal speed	5,6	3,4	/	2,4
2° normal speed	9,9	5,2	9,7	3,8
3° normal speed	13,8	8,6	/	6,1
4° normal speed	/	12,0	/	8,6
1st Fast	14,4	10,9	/	7,6
2nd Fast	25,5	16,9	25,0	12,2
3rd Fast	35,6	27,6	/	19,8
4th Fast	/	38,7	/	27,7

RECOMMENDED LUBRICANTS AND FLUIDS

Original lubricants

Genuine Lubricants ARBOR by PETRONAS LUBRICANTS

ARBOR ALFATECH SYNT 10W-40 oil

- Viscosity at 100° C (mm²/s) 14
- Index of viscosity 158
- Flash point V.A. (°C) 200
- Pour point (°C) -33
- Mass Volume at 15 °C (kg/l) 0.875

ARBOR UNIVERSAL 15W-40 oil

- Viscosity at 40° C (mm²/s) 110
- Viscosity at 100° C (mm²/s) 14
- Viscosity at -15° C (mPa.s) 3450
- Index of viscosity 135
- Flash point V.A. (°C) 220
- Pour point (°C) -36
- Mass Volume at 15 °C (kg/l) 0.886

ARBOR TRW 90 oil

- Viscosity at 40° C (mm²/s) 135
- Viscosity at 100° C (mm²/s) 14.3
- Viscosity at -26° C (mPa.s) 108000
- Index of viscosity 104
- Flash point V.A. (°C) 220
- Pour point (°C) -27
- Mass Volume at 15 °C (kg/l) 0.895

ARBOR MTA 90 oil

- Viscosity at -40° C (mPa.s) 28000
- Viscosity at 40° C (mm²/s) 35.5
- Viscosity at 100° C (mm²/s) 7.5
- Index of viscosity 160
- Flash point V.A. (°C) 200
- Pour point (°C) -40
- Mass Volume at 15 °C (kg/l) 0.870
- Colour red

ARBOR MP Extra grease

- NLGI grade 2
- Manipulated penetration (60)(dmm) 285
- Dropping point (°C) 190
- 4 weld load balls (kg) 300
- Basic oil viscosity at 40°C (mm²/s) 200

Original protective fluids

ARBOR original protective fluids by PETRONAS LUBRICANTS

PARAFLU 11 antifreeze fluid

- Density at 15°C (g/cc) 1.135
- pH (dil. 50%) 7,7
- Alkaline reserve (ml HCl 0.1 N) 16
- Boiling point (dil. 50%) (°C) 108
- Graining point (dil. 50%) (°C) -38
- Foam at 88°C (cc) 50

PROBLEMS AND SOLUTIONS

GENERAL

Engine

Engine

Engine: does not start

- Check the condition of the battery:
 - check the battery terminals: make sure that they have been tightened correctly, remove any turn or or tarnish;
 - either recharge or replace the battery if it has discharged
- Check the starter motor
 - have this done by a motor-vehicle electrician

Engine: difficult to start

- Check:
 - Fuel level
 - Whether the fuel filter is clean (replace it if necessary)
- Injection system efficiency
 - Check whether there is air in the circuit: bleed the circuit if necessary. If the engine is still difficult to start, check the injection pump settings and injectors.
 - Check the glow plug preheating system. This operation may only be carried out by an authorized workshop
 - Not enough compression. Have the compression checked by an authorized workshop

Light coloured smoke from exhaust

- Inefficient injectors: have the injectors checked by an authorized workshop
- Injection pump phase not in the best condition: have the machine checked by an authorized workshop

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IDENTIFICATION CARD OF THE MACHINE

We will be able to provide you with better and faster service if you fill out the form below.
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Type of machine.	
Model / Version.
Identification number (serial number).
Series
Information about manufacturer and/or importer	
Name
Address
Telephone / internet / email
Owner or operator	
Name
Address
Telephone / internet / email

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CESTRECA, CESTRE, CESTRONOST, CESTINO, CESTINE, CESTERAGRAM, ROTHKOSJE
- UGLJANJE, TUMANSTVA, BERAČINI, D. ROTHKINA, AFUDICA, BODIVITVA, JOVINOŠĆI, CESTREKERT,
CESTRONOSJE, CESTRE, VIMPAŠKOSJE, POTVRČKOSJE, ROTHKOSJE, YAKUVITVA, ROKARANK, SINDRISTIN B. ŽERMO, OKLALAR, BETAH, ETRONK DO

CHES LA PNECHIRA: QUA LA PNECHIR, DAI DE PACHIR, QUA LA PACHIRA, QUA PACHIR, TE PACHIRATA, ZE STROU, AT PACHIRIN, ET PACHIR, OT TO BACHIRIRIA, KAD PACHIR, KA BACHIRA, PJO TO PACHIR, DAI DE PACHIRIN, ZE BACHIRIA, CHACHIRANTOL PACHIR, ZE STROU, DASTROU, ETTS STROU, ATT BACHIR, AT PASTROU, AT PASTROU, BACHIR

[illegible]

TRITONIS AGREDIO, TRACTUS AGREDIO, ACIDUSCHUMPER, TRACTUS AGREDIO, TRACTUS AGREDIO, CIRCOCFODRANC
TRACTUS, ZEMBO LIGHT TRACTOR, LANDSAGTRACTOR, QUILLDOSTTRACTOR, FOSPHON FRANKER, ZEMBO DINO
TRACTORS, LAMPHAMER TRACTORS, BEECHAM TRACTOR, TRACTOR AGREDIO, LANDSOTRTRACTOR,
COWAN ROJANCEY, TRACTOR AGRI COL, ROCHAGOSPOARSHY TRACTOR, CHETENK TRACTOR, HAYTAGGTRACTOR,
DISKSTRICTOR, LANDSINAGTRACTOR, LANDSAGTRACTOR, ZBATTRACTOR

TRACTOR TYPE: TRACTOR TRQ, TYPE DETRACTOR, ACCELSCHLEPPERTYP, TRQ DE TRACTOR, HOSIQU DE TRACTOR, TWO TRACTOR, TRACTOR TRFU, TRAKTORGETYVE, TRAKTORSTÜCK, T HRO I TRAKTER, TRAKTORBAU TYPUS, TRAKTORA TIPS, TRIGGO T TRAKTOR, TIR TA TRAKTIVE, TYPE TRAKKER, CHAKRATYF, TRAKTORNA TIF, TRAKTOR TYFU, TIF TRAKTORA, TRAKTORAN TYFVN, TRAKTIVETIF, TROND TRAKTOR, TRAKTIVETIF, TRAKTOR TIRI

MODEL NAME

NONE DSE H0806D - NONE DI H0806L - HOSEI NAWHE - NOMERE DI H080D - NONE DI H080D - KAMBEROSARKE NA
WOLFEA - KAZEV MOO ELL - HOO ILKAYN - HIDEU NAWTUS - OGMATOT BOIT EASY - H080E - MOO ELA NOSAHUMIS.
MOOFIL NEVE - LASH SHAKIN - KNAKYAN KIT H080 - KATHIA MOO ELL - MOOEI - KAZOV MOO ELL - KAZV H080EL - HALLIN
NAP - HODQUATIKING - NAIR GERRON - H080ELNAYN - MOORELAD

SERIAL NUMBER:

[illegible][illegible][illegible]

CERTIFICATION METHOD

[illegible]

Chloroethanol, gas CAS Number: Working Document EHTS-49-1, 6 Jan 2009
 Chloroethanol is a colorless, odorless liquid with a boiling point of 12.3 °C. It is highly volatile and flammable. It is used in the production of various chemicals and as a solvent. It is also used in the synthesis of various pharmaceuticals and dyes. It is a known irritant and can cause skin and eye irritation. It is also a known carcinogen and can cause cancer. It is important to handle it with care and use appropriate safety measures. It is also important to dispose of it properly. It is a highly volatile liquid and can easily evaporate. It is also a highly flammable liquid and can catch fire easily. It is important to keep it away from heat and open flames. It is also important to keep it away from oxidizing agents. It is a known irritant and can cause skin and eye irritation. It is also a known carcinogen and can cause cancer. It is important to handle it with care and use appropriate safety measures. It is also important to dispose of it properly. It is a highly volatile liquid and can easily evaporate. It is also a highly flammable liquid and can catch fire easily. It is important to keep it away from heat and open flames. It is also important to keep it away from oxidizing agents.

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Self-certification

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Migliarina di Carpi (Italy), 30/12/2009

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TRAITORS AGREEING, TRACTOR AGREEING, AGRICULTURE, TRACTOR AGREOLA, TRATOR AGREOLA, CIRCUMSTANCES
TRACTOR, DIBBLE PLANT TRACTOR, LANDSAGRETRACTOR, AGGUTOTRACTOR, GEOPING TRACTOR, TRIBES AND
TRACTORS, LANDSAGRETRACTOR TRACTORS, BLOODSAGRETRACTOR, TRACTOR AGRIOL, LANDSAGRETRACTOR,
CROWN SOCIETY, TRACTORUS AGRIOL, NOGONOSAGRETRACTOR, KISTENITRATOR, HANTAGUTRATOR,
DEBAGUTRATOR, LANDSAGRETRACTOR, LANDSAGRETRACTOR, TRILTRATOR

MAXTER 60 RS

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<p>DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission Working Document ENITEC-05-1, 4 Jan 2004</p>
<p>MACHINERY DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission Working Document ENITEC-05-1, 4 Jan 2004</p>
<p>ELECTROMAGNETIC COMPATIBILITY</p> <p>2004/108/EC</p>	<p>NUMBER</p> <p>2004/108/EC</p>	<p>Self-certification</p>

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The report, issued this August, says that the United States' support for the Contras has cost lives and caused suffering in Nicaragua.

NOTES

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Migliarina di Carpi (MO) ITALY

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<p>DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission Working Document ENTS-95-1, 4 Jan 1994</p>
<p>MACHINERY DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission Working Document ENTS-95-1, 4 Jan 1994</p>
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NAME AND ADDRESS OF THE PERSON AUTHORIZED TO COMPILE THE TECHNICAL FILE

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41012 Montecarpi di Carrara (MO)

Signature _____

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CATHRA, CATHRE, CATHONNET, CATHROD, CATHREA, CATHRAHAFAM, POTYRDOJE
 CATHRA, THINATHE, CATHRONET, THYVETRA, AMUCUVA, CATHYVITA, JONTHOM, CATHREKAST,
 CATHROR, CATHRE VINDAVARLE, POTYRDOJLE, POTYRJEH, YAKUTITIA, POTYKARJA, STYRDOHREHOM, ISKALER, BEYAN ETYKOTCU

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<p>DIRECTIVE</p> <p>2002/95/EC - ROHS (Restriction of Hazardous Substances) 2002/96/EC - WEEE (Waste Electrical and Electronic Equipment) 2002/97/EC - EMC (Electromagnetic Compatibility) 2002/98/EC - CE (Conformity Assessment)</p>	<p>NUMBER</p> <p>2002/95/EC - ROHS 2002/96/EC - WEEE 2002/97/EC - EMC 2002/98/EC - CE</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Conformity Marking Requirements EN ISO 9001, EN ISO 14001, EN ISO 45001, EN ISO 26000, EN ISO 27001, EN ISO 28000, EN ISO 29001, EN ISO 30000, EN ISO 31000, EN ISO 34000, EN ISO 35000, EN ISO 36000, EN ISO 37000, EN ISO 38000, EN ISO 39000, EN ISO 40000, EN ISO 41000, EN ISO 42000, EN ISO 43000, EN ISO 44000, EN ISO 45000, EN ISO 46000, EN ISO 47000, EN ISO 48000, EN ISO 49000, EN ISO 50000, EN ISO 51000, EN ISO 52000, EN ISO 53000, EN ISO 54000, EN ISO 55000, EN ISO 56000, EN ISO 57000, EN ISO 58000, EN ISO 59000, EN ISO 60000, EN ISO 61000, EN ISO 62000, EN ISO 63000, EN ISO 64000, EN ISO 65000, EN ISO 66000, EN 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TRAJTORE AGRIKOIDE, TRAJTORE AGRIKOLE, AGRIKOSCHIMIE, TRAJTOR AGRIKOLA, TRAJTOR AGRIKOLA, C DROGOTRANAKIM
TRAJTOR, ZEMES EUSI TRAJTOR, LANGAUGUTRAJTOR, AGUTOTRAJTOR, GEFOTI TRAJTOR, ZEMES O-HO
TRAJTORIS, LANGAUGUTRAJTORIS, ZEMESAGUTRAJTORIS, TRAJTOR AGRIKOLO, LANGAUGUTRAJTORIS,
CAPAKI ROJIKETI, TRAJTORIS AGRIKOLE, ROJIKOSROJAKO TRAJTORIS, KISTIKITRAJTORIS, KINTAUGUTRAJTORIS,
KISAGUTRAJTORIS, LANGAUGUTRAJTORIS, LANGAUGUTRAJTORIS, ZEMESAGUTRAJTORIS

CLUSTER 70 RS VARIANT

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<p>DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission's Working Document EN124-2, 4 Jan 2004</p>
<p>MACHINERY DIRECTIVE</p> <p>2006/42/EC</p>	<p>NUMBER</p> <p>2006/42/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification, per Commission's Working Document EN124-2, 4 Jan 2004</p>
<p>ELECTROMAGNETIC COMPATIBILITY</p> <p>2004/108/EC</p>	<p>NUMBER</p> <p>2004/108/EC</p>	<p>CERTIFICATION METHOD</p> <p>Self-certification</p>

SPIONE E DIRIGENTE DELLA PRIMA AUTOREGGIATA A CROCE IN ITALIA. Il caso è raccontato nel libro "Il caso della prima autoreggiata a croce in Italia" di Mario Baccaro, edito da Rizzoli. Il libro racconta la storia di un'operazione di spionaggio che ha coinvolto la prima autoreggiata a croce in Italia, la Fiat Tempra. Il libro è diviso in due parti: la prima parte descrive la storia della Fiat Tempra e la seconda parte descrive l'operazione di spionaggio. Il libro è scritto in un linguaggio chiaro e semplice, adatto a un pubblico di lettori di tutti i livelli. Il libro è una lettura interessante per chi è interessato alla storia della Fiat e alla storia dell'industria italiana.

Yoshida, K., 1997. *Phylogenetic Analysis of the Plant Kingdom*. Springer-Verlag, Berlin.

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EN LA INCHINA, QUE LA INCHINA, BAS DE MACHO, QUE LA INCHINA, QUE A INCHINA, LE MAGNATA, ZE STRU, AT INCHIN, ET MAH, OT
TO MAGNATA, KAS MOHO, JA ENCHINA, HOU AGUE, JOHAGUE, ZAT VE INCHINA, ZE MAGNATA, SURVIVENTUS TORN E, ZE STRU, ZA INCHI,
ETA HOHO, ATT MOHO, AN VESTIGO, AT INCHIN, MAGNO

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Migliarina di Carpi (Italy), 30/12/2009

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