

**CLARK
EQUIPMENT**

MICHIGAN

TRADEMARK OF CLARK EQUIPMENT CO. U.S.A.

PARTS MANUAL Publication No. 99 Model 85111A Articulated Tractor Shovel

SERIAL

4129 B101EN Thru

MANUFACTURED UNDER LICENCE BY
CLARK EQUIPMENT LIMITED

P.O. BOX 3 · YORKTOWN WORKS · CAMBERLEY · SURREY · ENGLAND

TEL CAMBERLEY 63421

265



TECHNICAL PUBLICATIONS RELEASE

30th March, 1971

Michigan - TPR, 55

Subject: Michigan Parts Manual - Publication No. 99
Model 85IIIA (Articulated) Michigan Tractor Shovel

Enclosed is one (1) Distributor/Agency Issue copy of 85IIIA (Articulated) Michigan Tractor Shovel Parts Manual - Publication No. 99, to be added to your Master Library.

This is a new Parts Manual covering the following machine serial number range.

85IIIA

4129B101EN Thru.

Leyland UE-680PP

Note: Use Michigan Parts Manual - Publication No. 83 for Machines prior to above Serial Number.

All Distributors will receive sufficient copies of Michigan Parts Manual No. 99 to cover the quota of machines shipped to Customers in their territory.

Additional copies are available on a chargeable basis upon receipt of your order to:

REPLACEMENT PARTS DEPARTMENT

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- ENGLISH Information contained in this Parts Manual pertains to Machine Serial Numbers listed below.
- FRANÇAIS Les informations contenues dans ce manuel des pièces de rechange se réfèrent aux numéros de série données ci-après.
- DEUTSCH In diesem Ersatzteilkatalog enthaltenen Angaben beziehen sich auf die unten angeführten Maschinen-Seriennummern.
- ITALIANO L'informazione contenuta in questo manuale di accessori si riferisce ai numeri di macchine di serie qui sotto descritti.
- ESPAÑOL La información contenida en este Manual de Repuestos se refiere a los números de serie de las máquinas que se dan a continuación.

85111A

4129B101EN Thru.

Leyland UE-680PP.

PARTS MANUAL



EUROPEAN AREA
CONSTRUCTION MACHINERY PRODUCTS





ABOUT THIS PARTS BOOK

This book is arranged in Sections or Groups. (Those shown at the Basic Group Number Index are Main Groups, which are in turn divided into the Sub Groups that appear in the Contents List Index.)

Page numbers are made up as follows:

PAGE NUMBER (WUE - 001)		
BASIC GROUP	COUNTRY OF ORIGIN	PAGE NUMBER WITHIN GROUP
00	E	001

The Basic Group Index is presented in five languages and is accompanied by an exploded drawing of a typical machine. The Contents List Index shows every page that is contained in this book.

Illustrations used, are not always an exact representation of the actual machine because they are typical.

Before using the book become thoroughly conversant with its layout.

HOW TO USE THIS BOOK

Let us assume that you are replacing a Hydraulic Pump (Main).

(1) Refer to the FACTORY INDEX in conjunction with the BASIC GROUP NUMBER INDEX.

(2) Select the number of the BASIC GROUP containing the parts required.

Group Number 18 - Hydraulic Pumps

(3) Refer to the CONTENTS LISTS and refer to the Page Number Column. All page numbers in which the first two digits coincide with the selected Basic Group Number are pages within that same group.
e.g. 18E - 000, 18E - 001, 18E - 011.

(4) Determine from the designation column the page or pages containing the part required.

In this example:-

Page Number 18E - 011 Pump hydraulic - Main

(5) Turn to page or pages selected and check page heading for specific model number and/or machine serial number application. In conjunction with the designated illustration note off the requisite part number.

(6) Transmit the correct part number, description and quantity of the part required, together with the machine or part number to your Distributor.

SPECIAL SYMBOLS

The following symbols are used throughout the book:

- + Not illustrated, no pictorial reference exists for this item.
- Not sold separately. This item sold only as part of an assembly.
- See Makers List. For this item, see individual makers list.

- * Footnote 1.
- ** Footnote 2.
- *** Footnote 3.

Used for various footnotes as necessary.

SERIAL NUMBERS

The machine serial number plate illustrated here is located in the operators compartment or the vicinity and the information stamped on the plate identifies the machine model and serial number.

It is important to quote the complete serial number to your distributor when ordering replacement parts for your machine.

IMPORTANT: Your only source of supply for genuine Clark replacement parts is your authorized Clark distributor.

ORDERING REPLACEMENT PARTS

To be complete, your order to the distributor must include:-

- (1) Part Number
- (2) Machine serial number
- (3) Description of part
- (4) Quantity required.

WHEN PARTS ARE RECEIVED

Check immediately for correctness, condition and quantity. Advise your Clark distributor of any claims. Claims for damage during shipment should be made to the carrier immediately.

MICHIGAN	
TRADE MARK OF CLARK EQUIPMENT COMPANY LTD	
MODEL	SERIAL NO.
MANUFACTURED UNDER LICENSE CLARK EQUIPMENT LIMITED CAMBRLEY - SURREY - ENGLAND	

A PROPOS DE CE MANUEL DE PIÈCES ET TACHES

Ce manuel est disposé en sections de Groupes-Ceux qui sont repris dans l'Index de Numéros de Groupes de Base sont les Groupes Principaux qui, à leur tour, sont divisés en Sous-Groupes apparaissant dans la Table des Matières.

La numération des pages est agencée comme suit :

GROUPE DE BASE	PAYS D'ORIGINE	NUMÉRO DE PAGE DANS LE GROUPE
000	I	000

L'index des groupes de base est présenté en cinq langues et accompagné par une vue schématisée d'une page typique. L'index de la table des matières regroupe toutes les pages comme en dans ce manuel.

Les illustrations ne sont pas toujours une représentation exacte des sections réelles de l'engin, mais elles sont typiques.

Avant d'utiliser le manuel, familiarisez-vous à fond avec sa disposition.

COMMENT UTILISER CE MANUEL

Il suppose que vous remplissez le pompe Hydraulique (Principal).

(1) Reportez-vous à L'INDEX ILLUSTRÉ en même temps qu'à L'INDEX DES NUMÉROS DE GROUPE DE BASE.

(2) Sélectionnez le numéro du GROUPE DE BASE concernant la pièce recherchée.

Groupe No. 18 - Pompe Hydraulique

(3) Passez à la TABLE DES MATIÈRES et référez-vous à la colonne des numéros de pages. Il y a les numéros de pages dans les dix premiers chiffres avec le Numéro de Groupe de Base choisi, fort partie du même groupe.

180 - 000, 180 - 001, 180 - 001

(4) Déterminez de la colonne sélective la page ou les pages qui concernent la pièce requise.

Dans cet exemple :

Page No. vers 180 - 001 Pompe Hydraulique - Principal

(5) Tournez à la page ou aux pages choisies et vérifiez l'entête de la page par le numéro de modèle spécifique et/ou l'application du numéro de série de la machine et comparez avec l'illustration soignée donner le numéro de pièce requis.

(6) Transmettez à votre distributeur le numéro de pièce correct, la description et la quantité, ainsi que le numéro de série de l'engin.

SYMBOLES SPÉCIAUX

Les symboles suivants sont utilisés pour ce manuel :

- Pas illustré
- Cylindre de référence illustré pour schématiser
- = Pas vend. séparément
- Cette pièce est uniquement vendue comme partie d'une assemblée
- Voir liste de l'assemblé
- Pour cette pièce, voir liste individuelle du schéma
- Note 1. - ** Note 2. - *** Note 3.

Couleur pour les différentes notes selon les besoins.

NUMÉROS DE SÉRIE

La plaque portant le numéro de série de la machine est située dans le compartiment de l'opérateur ou près du compartiment et les renseignements relatifs à la plaque servant à identifier le modèle et le numéro de série de la machine.

Il est important de donner le numéro de série complet à votre distributeur lorsqu'il vous place la commande de pièces détachées pour votre machine.

IMPORTANT : Votre unique source de pièces de rechange d'origine CLARK est votre distributeur CLARK.

COMMANDE DES PIÈCES DE RECHANGE

Pour être complet, votre formulaire de distribution doit comprendre les points suivants :

- (1) Numéro de pièce
- (2) Numéro de série de l'engin
- (3) Description de la pièce
- (4) Quantité demandée

LOIS DE LA RÉCEPTION DES PIÈCES

Consigner immédiatement l'état, la qualité et l'exactitude des pièces. Au cas contraire, contactez votre distributeur Clark de votre pays. Les plaintes relatives à des défauts pendant le transport doivent immédiatement être adressées au fabricant.



ÜBER DEN VORLIEGENDEN BRAUFTTEILKATALOG

Dieser Katalog ist in Abschnitte und Gruppen unterteilt. Die im Hauptgruppen Nummernregister enthaltenen Hauptgruppen sind wiederum in Untergruppen eingeteilt, die in der Inhaltsverzeichnis aufgeführt sind.

Seitennummern setzen sich wie folgt zusammen: SEITENNUMMER 00E + 001.

HAUPTGRUPPE	UNTERGRUPPE	SEITENNUMMER (INNERHALB DER GRUPPE)
00	0	001

Das Hauptgruppenregister ist farblich und enthält ein Montagebild eines typischen Maschines. Im Inhaltsverzeichnis ist jede Seite des Buches aufgeführt.

Die verwendeten Illustrationen sind typische Abbildungen und nicht immer exakte Darstellungen der wirklichen Maschinenstrukturen.

Machen Sie sich mit der allgemeinen Anweisung des Katalogs gründlich vertraut, bevor Sie ihn benutzen.

HINWEIS FÜR DIE BENUTZUNG DES KATALOGES

Nehmen wir einmal an, Sie wollen eine Hydraulikpumpe (15) psi.

- (1) Schlagen Sie das **ALPHABETISCHES** Verzeichnis im **HAUPTGRUPPEN NUMMERNREGISTER** auf.
- (2) Suchen Sie die Nummer der **HAUPTGRUPPE**, die die benötigten Teile enthält.
Gruppe No. 15 - Hydraulikpumpen.
- (3) Schlagen Sie die Spalte der Seitennummern im **ALPHABETISCHES** auf. Alle Seitennummern, deren erstes zwei Ziffern mit der Hauptgruppen Nummer übereinstimmen, befinden sich innerhalb dieser selben Gruppe.
z.B. 15E + 000 15E + 001, 15F + 001.
- (4) Aus der Spalte mit den Bezeichnungen der Seite bzw. Seite herausuchen auf welchen das gewünschte Teil zu finden ist.
In diesem Beispiel:
Seite No. 15F + 001 - Hydraulikpumpe - Haupt.
- (5) Dann die betreffende Seite bzw. Seite durchschlagen und anhand der Titelzeile der Seite feststellen, für welche Modelle und Fabriknummern dieses Teil verfügbar kommt. Anschließend muss Bewegungsmuster auf die entsprechende Abbildung der betreffenden Teilnummer schauen.
- (6) Die richtige Teilnummer, Bezeichnung und Stückzahl des benötigten Teiles zusammen mit der Maschinennummer dem Händler mitteilen.

BEZÜGLICHE ZEICHEN

Das folgenden Zeichen werden im Katalog verwendet:

- Nicht abgebildet.
Für dieses Teil liegt kein Bildmaterial vor.
- Einzelne Teile (oder eine Gruppe von Teilen) werden separat als Ersatzteile einer kompletten Maschine verkauft.
- ▶ Siehe Herstellerliste.
Dieses Teil der betreffenden Herstellerliste entnehmen.
- * Typen 1, ** Typen 2, *** Typen 3.

Nach Bedarf für verschiedene Funktionen verwendet.

MICHIGAN Clark Equipment Company Ltd.	
MODEL	SERIAL NO.
MANUFACTURED UNDER LICENSE	
CLARK EQUIPMENT LIMITED CAMBERLEY SURREY - ENGLAND	
— — — — —	

ABLEGENNUMMERN

Das zum abgebildete Typenschild des Fahrzeuges ist im bzw. in der Nähe des Fahrerstandes angebracht. Auf dieses sind Modell und Fabriknummer des Fahrzeuges angegeben.

Bei Bestellungen von Ersatzteilen vom Ihrem Geschäftsfreund ist stets die vollständige Fabriknummer der Maschine anzugeben.

WICHTIGER HINWEIS: Die Original-Clark Austauschteile erhalten Sie nur bei Ihrem Clark Vertragshändler.

BESTELLUNG VON AUSWECHSELTEILEN

Ein vollständiger Auftrag für Ihren Händler muss folgende Angaben enthalten.

- (1) Teilnummer (2) Maschinennummer
- (3) Bezeichnung des Teils (4) Benötigte Stückzahl

BEI BESCHADIGTEN TEILEN

Sofort Zugschick, Zustand und Stückzahl des geteilten Teilen Fehler dem Clark Händler mitteilen. Klagensicherungsansprüche für Transportschäden sind sofort an die Sachbearbeiter zu richten.

DESCRIZIONE DEL CATALOGO PARTE II - RILASCIO

Il catalogo è ordinato in Sezioni. - Quelle indicate nell'Indice Numerico Sezioni Base sono le Sezioni principali. A loro volta suddivise nelle Sottosezioni dell'Indice Alfabeticum.

I numeri di pagina sono maiuscoli.

NUMERO DI PAGINA DEI - DEI

SEZIONI BASE

ELENCHI DI DESCRIZIONE

NUMERO DI PAGINA PER SEZIONI

10

E

101

L'Indice Numerico per le Sezioni Base è in cinque lingue e vi allegato in ciascuna delle esplosi della macchina cui si riferisce. L'Indice Alfabeticum indica tutte le pagine del catalogo e il loro contenuto.

Le illustrazioni non sempre forniscono un'idea precisa dei vari componenti della macchina, ma ne danno l'idea.

Prima di consultare il catalogo è bene avere una conoscenza esatta delle parti della macchina che si vuole ordinare.

USO DEL CATALOGO

Prima di tutto si deve conoscere la macchina che si vuole sostituire (Principale).

(1) Andare a vedere l'INDICE ALFABETICO assieme all'INDICE NUMERICO DELLE SEZIONI BASE.

(2) Scegliere il numero della SEZIONE BASE in cui è contenuta la parte che si vuole sostituire.

Sezione Base 10 - Pompe idrauliche

(3) Consultare l'INDICE DESCRITTIVO alla colonna Numero di Pagina. - Tutti i numeri di pagina in cui le parti sono illustrate con le corrispondenti della Sezione Base, se la macchina è pagata che riguarda una macchina.

Per la Pompa idraulica: 101 - 102, 103 - 104, 105 - 106.

(4) Dalla colonna delle descrizioni determinare la pagina e le pagine che riguardano la parte richiesta.

Per il caso scelto ad esempio:

Elenchi Base 102 - 103 - Pompe idrauliche - Principale

(5) Aprire la pagina e le pagine così trovate e controllare che l'illustrazione corrisponda al numero di modello e al numero di serie della macchina in questione. - Con l'aiuto dell'illustrazione trovare il numero di ricambio della parte richiesta.

(6) Trasmettere al Distributore l'elenco numero di parte richiesto, la relativa descrizione e la quantità richiesta, insieme al numero di serie della macchina.

SIMBOLI SPECIALI

Nel corso del catalogo possono trovarsi i seguenti simboli:

- 1. Non illustrato.
 - 2. Non si è alcun riferimento illustrativo per questo particolare.
 - 3. Non illustrato separatamente.
 - 4. Questo particolare viene fornito separatamente con l'intero complesso.
 - 5. Vedere l'elenco Alfabeticum.
 - 6. Per questo particolare consulti l'elenco della stessa macchina.
- * Nota: 1 - più di pagina. ** Nota 2 - più di pagina. *** Nota 3 - più di pagina.
- Simboli usati quando necessario delle parti a più di pagina.

NUMERI DI SERIE

La targhetta di numero serie macchina qui illustrata è appesa nella cabina dell'operatore e nelle sue vicinanze, contiene informazioni per identificare il modello di macchina e il numero di serie.

All'atto dell'ordinazione di parti di ricambio, è indispensabile comunicare il numero di serie completo della macchina in questione.

IMPORTANTE: - L'elenco delle parti di ricambio della macchina è il vostro Distributore Autorizzato CLARK.

ORDINAZIONE DELLE PARTI di RICAMBIO

L'ordinazione da trasmettere al Distributore, per ricevere completa, deve comprendere:

(1) Numero di Parte (2) Numero di serie della macchina.

(3) Descrizione della parte (4) Quantità richiesta.

CONTROLLARE LE PARTI

Controllare immediatamente l'esattezza della quantità e dello stato delle parti. Per gli eventuali errori, tenere subito informato il proprio Distributore CLARK. I ricambi per eventuali danni avvenuti durante l'uso delle parti devono essere presentati immediatamente all'operatore.



CÓMO SE EMPLEA ESTE LIBRO

Este libro está clasificado y ordenado en Grupos Básicos (Groups). En el Índice de Grupos Básicos aparecen los números de los grupos principales los que a su vez se dividen en Sub Grupos que aparecen en el Índice del Contenido.

El número de cada página se ha numerado así: PÁGINA No. 100 - 100

GRUPO BÁSICO

PAÍS DE ORIGEN

No DE LA PAGINA (EN CADA GRUPO)

100

10

100

El Índice de Grupos Básicos se presenta en cinco páginas y está ilustrado por una vista de las partes que forman una máquina típica, apropiadas para su orden de ensamblaje. El Índice del Contenido indica todas las páginas de este libro.

Las partes que se ilustran no son siempre una representación exacta de las que realmente puede tener una máquina de su propia, sino de un componente típico.

Antes de usar este libro familiarícese con su ordenación y empleo.

EJEMPLO DEL EMPLEO DE ESTE LIBRO

Supongamos que usted desea pedir una bomba hidráulica para el sistema principal.

(1) En la ILUSTRACION DE LA MÁQUINA y con la ayuda del INDICE DE GRUPOS BÁSICOS siga lo siguiente:

(2) Seleccione el GRUPO BÁSICO que comprende la parte que necesita. En este caso:

Grupo No. 10 - Bombas Hidráulicas

(3) Ahora refiérase al INDICE DEL CONTENIDO y busque allí, en la Columna de Nros. de Página, la que corresponde a la parte que desea. Típicos los números de las páginas cuyos primeros dos cifras son iguales a las del Grupo Básico seleccionado, corresponden a dicho Grupo.

por 100 - 000, 100 - 001, 100 - 011.

(4) En la columna de títulos determine la página o páginas que contienen la pieza requerida.

En este ejemplo:

Página No. 100 - 001 Bomba Hidráulica - Principal.

(5) Vuelva a la página o páginas seleccionadas y compruebe el título para el nombre del modelo, especifico y/o aplicación del número de serie de la máquina. Justo en la ilustración adjunta los números de pieza de la bomba.

(6) Envíe su pedido al Distribuidor de CLARK con la siguiente información: Pieza No., denominación y cantidad que necesita de la vista de la máquina.

SÍMBOLOS ESPECIALES

En este libro se usan los siguientes símbolos:

- No se ilustra.

No existe dibujo o fotografía de esta parte en el libro.

* No se suministra por separado.

Esta parte se vende solamente como parte de un conjunto.

★ Ver la Lista de Repuestos del Fabricante.

Para pedir esta parte debe consultarse la Lista de Repuestos de la empresa que la fabrica.

1 Nota 1. 2 Nota 2. 3 Nota 3.

Ordene para las partes al por mayor, según sea necesario.

NÚMERO DE SERIE

La placa del número de serie de la máquina ilustrada aquí, está situada en el compartimento del conductor y la información impresa identifica el modelo y número de serie de la máquina.

Es importante indicar el número de serie completo al hacer pedidos de recambios para su máquina, a su distribuidor.

IMPORTANTE: los representantes legítimos CLARK sólo se obtienen de los Distribuidores Autorizados CLARK.

REQUISITOS PARA HACER LOS PEDIDOS

Un pedido para ser completo y por consiguiente, agilizar el despacho, debe contener:

(1) El No. de la pieza. (2) El No. de serie de la máquina.

(3) La denominación de la pieza pedida. (4) La cantidad de unidades que se necesitan.

CUANDO SE RECIBEN LAS PIEZAS

Verifique el embalaje y asegure las partes pedidas a condición en que se encuentran y que la cantidad es correcta. Los recibos por daños durante el transporte deben hacerse de inmediato a la empresa de transporte.



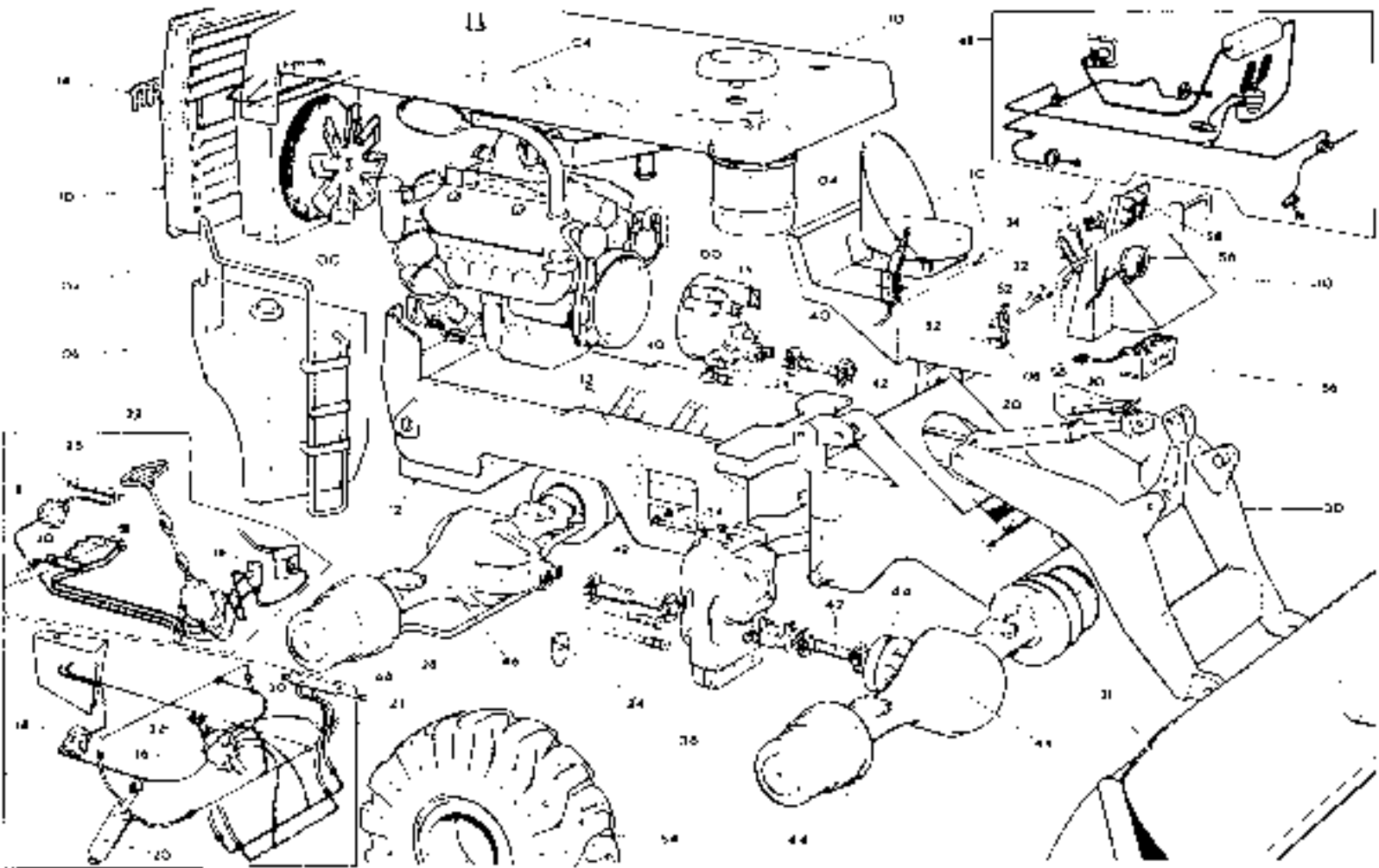
CLARK EQUIPMENT COMPANY LTD.

MODEL

SERIAL NO

CLARK EQUIPMENT LIMITED

CAMBERLEY - SURREY - ENGLAND



TYPICAL ARTICULATED TRACTOR SHOVEL BASIC GROUPS

01101



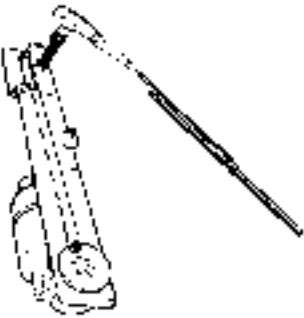
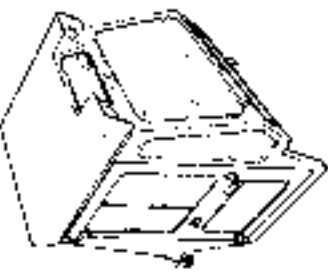
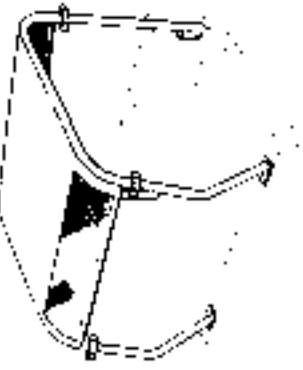
ENGLISH	FRENCH	GERMAN	ITALIANO	ESPAÑOL
TABLE CUMULATIVE INDEX	REPERTOIRE ALPHABÉTIQUE DES CUMULATIFS DE BASE	ÜBERSICHT ÜBER ALPHABETISCHES BASIS	INDICE ALFABETICO DEL CUMULATIVO DI BASE	ÍNDICE DE NÚMERO DE CUMULATIVO DE BASE
01 Engine	Moteur	01 Motor	Motore	01 Motor
02 Engine Cooling System	Système de refroidissement du moteur	02 Kühlsystem	Impianto di raffreddamento	02 Sistema de refrigeración
04 Air Intake & Exhaust System	Admission d'air et système d'échappement	04 Ansaug- und Abgasanlage	Entrata e scarico	04 Sistema de intake y sistema de escape
06 Fuel System	Système d'alimentation du carburant	06 Kraftstoffsystem	Sistema di alimentazione	06 Sistema de combustible
08 Engine Control System	Système de commande du moteur	08 Motorsteuerung	Sistema di comando motore	08 Sistema de mando del motor
10 Supercharger	Superchargeur	10 Auflader	Supercharger	10 Supercargador
12 Frame	Châssis	12 Chassis	Telaio	12 Bastidor
14 Valve Flaps & Doors	Flaps, les clapets, les portes des camions	14 Ventile, Ventile und Abgasventile	Valvole, le valvole, le porte d'alimentazione	14 Flaps, las válvulas, las puertas de alimentación y escape
16 Hydraulic Pumps	Souppes hydrauliques	16 Kfz-Hydrauliken	Pompe idrauliche	16 Bombas hidráulicas
20 Hydraulic Cylinders	Cylindres hydrauliques	20 Hydraulische Zylinder	Cilindri idraulici	20 Cilindros hidráulicos
24 Hydraulic System Main	Système Hydraulique Principal	24 Hydraulische Hauptanlage	Impianto idraulico Principale	24 Sistema hidráulico principal
28 Hydraulic System Branch	Système de circuits hydraulique	28 Hydraulische Zweiganlage	Servosistema di rami	28 Diversos de sistema hidráulico
32 Hydraulic System Transmitter	Système de transmission hydraulique	32 Hydraulische Kraftübertragung	Trasmissione idraulica	32 Transmisión de potencia hidráulica
36 Steering	Direction	36 Lenkung	Streno	36 Dirección
40 Track End Attachment	Équipement pour	40 Vorder- und Hinterräder	Ante e posteriore	40 Equip. final
44 Track End Attachment	Accessoires pour équipement pour	44 Kettengänge und Ketten	Aranchi Finali	44 Accesorios del equipo
48 Track End Attachment	Commandes pour équipement pour	48 Motor- und Hydraulische	Comandi idraulici motore	48 Comandos de equipo del motor
52 Hydraulic Control	Commandes de l'hydraulique	52 Hydraulische Steuerung	Comandi idraulici motore	52 Mandos de la hidráulica
56 Transmission Assembly	Boîte de vitesse	56 Getriebe	Cambio de velocidad	56 Cambio
60 Power Converter	Convertisseur de couple	60 Leistungsantrieb	Convertitore di coppia	60 Convertidor de potencia
62 Propeller Shafts	Arbres de transmission	62 Antriebswellen	Alberi di trasmissione	62 Árboles de transmisión
64 Drive Shaft	Arbre de transmission	64 Vorderräder	Arbre de direction	64 Eje de dirección
68 Drive Shaft	Arbre de transmission	68 Hinterachse	Arbre de puissance	68 Eje potencia
72 Brake System Main	Système de freinage Principal	72 Bremsensystem Hauptanlage	Impianto freni Principale	72 Sistema principal de freno
76 Brake Controls	Commandes de frein	76 Bremsen Steuerung	Comando de frenos	76 Comandos del freno
80 Wheel & Tires	Roues et pneus	80 Räder und Reifen	Ruote e pneumatici	80 Ruedas y neumáticos
84 Hydraulic Equipment & Wiring	Équipement électrique et câblage	84 Elektrische Ausrüstung und Verkabelung	Equipaggiamento elettrico e cablaggio	84 Equipo eléctrico y cableado
88 Electrical Panel	Télèrègion	88 Elektrische Schalttafel	Quadro elettrico	88 Tablero de instrumentos



EUROPEAN AREA

CONSTRUCTION MACHINERY PRODUCTS

MICHIGAN

68 	72 		
64 	70 		
62 	68 		

BASIC GROUPS - TRACTOR ACCESSORIES

ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
BASIC GROUP NUMBER	NUMÉRIQUE NUMÉRIQUE DES GROUPE DE BASE	GRUNDLAGEGRUPPENVERZEICHNIS	INDICE NUMERICO DEI GRUPPI DI BASE	INDICE DE NUMERO DE GRUPO BASICO
62 Cab	Cabine	62 Fahrerhaus	Cabina	62 Cabina
64 Windscreen Wipers	Ecrans Glace	64 Scheibenwischer	Targheristalli	64 Limpiaparabrisas
66 Lamps	Phares	66 Scheinwerfer	Fariatori	66 Fari
68 Canopy	Taxi	68 Dach	Tetto	68 Techo
70 Tools	Outils	70 Werkzeugenausrüstung	Utensili e Accessori	70 Juego de Herramientas
72 Heater and Drier	Appareil de Chauffage	72 Heizung	Riscaldatore	72 Calefacción

CONTENTS LIST INDEX - 4000 (articulated) TRACTOR SHOVEL - MODEL 4183B

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01E002	Radiator Connections	Nov. 70	22E001	Hydraulic Lines - Steering	Nov. 70
02E001	Radiator & Mountings	Nov. 70	24E000	(Illustration) Hydraulic Lines - Transmission	Nov. 70
04E001	Air Cleaner Connections	Nov. 70	24E001	Hydraulic Lines - Transmission	Nov. 70
04E002	Air Cleaner Assembly	Nov. 70	26E000	Steering Linkage	Nov. 70
04E041	Exhaust System	Nov. 70	26E010	(Illustration) Steering Gear Assembly	Nov. 70
06E000	(Illustration) Fuel Tank & Lines	Nov. 70	26E041	Steering Gear Assembly	Nov. 70
06E001	Fuel Tank & Lines	Nov. 70	26E041	Steering Drag Link	Nov. 70
08E000	(Illustration) Engine Controls	Nov. 70	30E000	(Illustration) Front End Equipment	Nov. 70
08E001	Engine Controls	Nov. 70	30E001	Front End Equipment	Nov. 70
10E000	(Illustration) Hood, Shroud & Grille	Nov. 70	30E011	Bucket Ladder Lines	Nov. 70
10E001	Hood, Shroud & Grille	Nov. 70	30E041	Bucket Ladder Valve	Nov. 70
10E021	Operator's Compartment	Nov. 70	31E000	(Illustration) Bucket Assembly	Nov. 70
10E041	Seat Assembly	Nov. 70	31E021	Bucket Assembly Data	Nov. 70
12E000	(Illustration) Frame & Axle Caster	Nov. 70	31E041	Controls - Front End Equipment	Nov. 70
12E001	Frame, Axle Caster & Counterweight	Nov. 70	31E050	(Illustration) Controls - Transmission	Nov. 70
14E000	Nonreplenish & Gear Oil	Nov. 70	31E051	Controls - Transmission	Nov. 70
14E001	Nonreplenish & Gear Oil (Continued)	Nov. 70	36E000	(Illustration) Transmission Assembly Gear Groups	Nov. 70
16E000	(Illustration) Control Valve Valve - Main Hydraulic	Nov. 70	36E001	Transmission Assembly Gear Groups	Nov. 70
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16E002	Control Valve - Main Hydraulic (Continued)	Nov. 70	36E021	(Illustration) Transmission Case & Cover Group	Nov. 70
16E021	Pressure Relief Valve - Steering	Nov. 70	36E041	Transmission Case & Cover Group	Nov. 70
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18E000	(Illustration) Pump - Main Hydraulic	Nov. 70	36E043	Clutch Group - Forward & Reverse	Nov. 70
18E001	Pump - Main Hydraulic	Nov. 70	36E044	Clutch Group - Reverse & Third	Nov. 70
18E041	Pump - Steering Hydraulic	Nov. 70	36E045	Clutch Group - Low	Nov. 70
20E001	Cylinder - Boom	Nov. 70	36E051	Control Valve - Transmission	Nov. 70
20E010	(Illustration) Cylinder - Bucket	Nov. 70	40E000	(Illustration) Torque Converter Assembly	Nov. 70
20E021	Cylinder - Bucket	Nov. 70	40E001	Torque Converter & Mountings	Nov. 70
20E040	(Illustration) Cylinder - Steering	Nov. 70	40E020	Torque Converter & Mountings (Continued)	Nov. 70
20E041	Cylinder - Steering	Nov. 70	42E001	Pressure Regulating Valve - Torque Converter	Nov. 70
21E000	(Illustration) Hydraulic Lines - Main	Nov. 70	42E001	Propeller Shaft - Converter to Transmission	Nov. 70
21E001	Hydraulic Lines - Main	Nov. 70	42E021	Propeller Shaft - Transmission to Mid-Mount Bearing	Nov. 70
21E002	Hydraulic Lines - Main (Continued)	Nov. 70	42E041	Propeller Shaft - Mid-Mount to Front Axle	Nov. 70
21E003	Hydraulic Lines - Main (Continued)	Nov. 70	42E061	Propeller Shaft - Transmission to Rear Axle	Nov. 70
21E020	(Illustration) Reservoir - Hydraulic	Nov. 70	42E080	(Illustration) Mid-Mount Bearing Assembly	Nov. 70
21E021	Reservoir - Hydraulic	Nov. 70	42E081	Mid-Mount Bearing Assembly	Nov. 70

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44E061	Axle Assembly - Front	Nov. 75	70E023	Tool Kit - Comprehensive	Nov. 75
44E060	(Illustration) Differential & Carrier Assembly - Front	Nov. 75	72E000	Header & Dumpster Kit	Nov. 75
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44E041	Planet Carrier Assembly - Front	Nov. 75			
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44E061	Parking Brake Assembly	Nov. 75			
46E000	(Illustration) Axle Assembly - Rear	Nov. 75			
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46E020	(Illustration) Differential & Carrier Assembly - Rear	Nov. 75			
46E021	Differential & Carrier Assembly - Rear	Nov. 75			
46E041	Planet Carrier Assembly - Rear	Nov. 75			
46E061	Brake Assembly - Rear	Nov. 75			
48E000	(Illustration) Brake Lines - Main	Nov. 75			
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48E041	Brake Power Cluster Assembly	Nov. 75			
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48E061	Brake Unloader Valve Assembly	Nov. 75			
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56E000	(Illustration) Electrical Equipment	Nov. 75			
56E061	Electrical Equipment	Nov. 75			
56E021	Circuit Wiring Diagram	Nov. 75			
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66E001	Cab Lights	Nov. 75			
68E001	Canopy Kit	Nov. 75			



EUROPEAN AREA
CONSTRUCTION MACHINERY PRODUCTS



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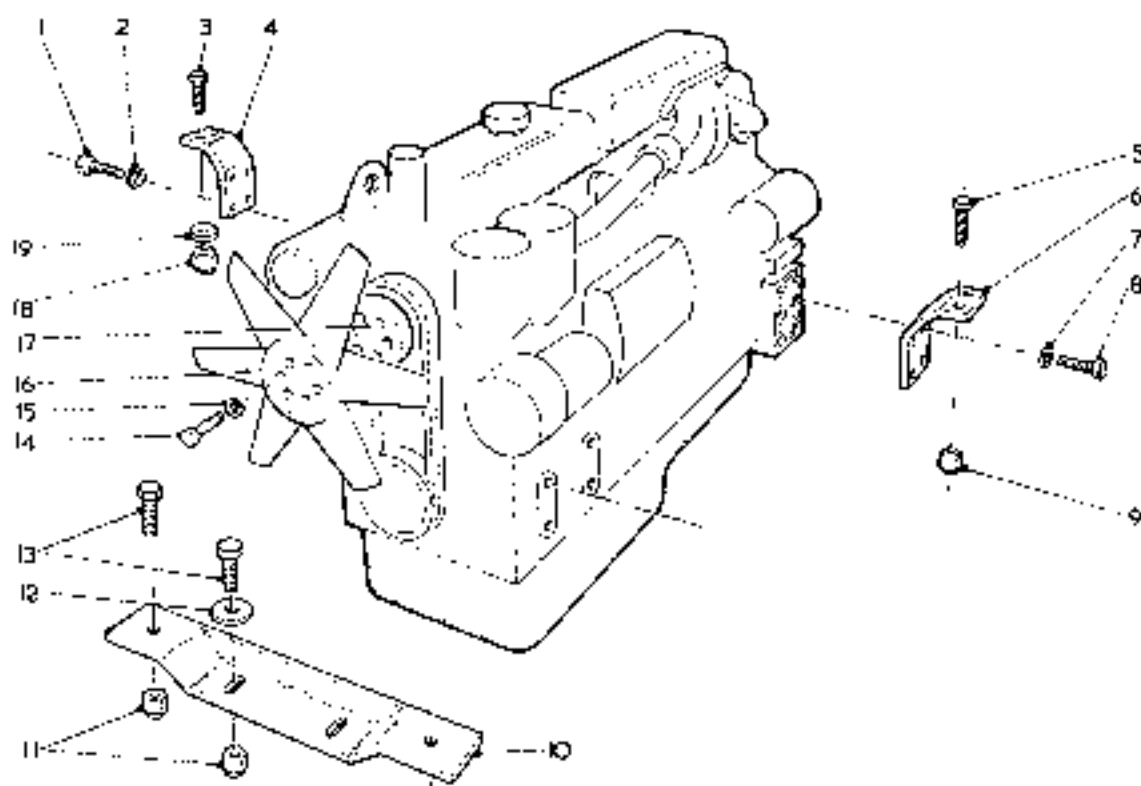
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ENGINE MOUNTINGS

TP300

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	3235140	ENGINE LEYLAND 640 PP	1	9	180-12	LOCKNUT	2
1	3222251	BOLT BRACKET TO ENGINE	4	10	3207329	SUPPORT BRIDGE	1
2	45-08	LOCKWASHER	4	11	150-10	LOCKNUT	4
3	180-1240	BOLT BRACKET TO FRAME	2	12	639311	WASHER	2
4	3228021	BRACKET ENGINE MTO	1	13	181-1032	BOLT	4
4A	3235615	PAU	1	14	3221799	BOLT FAN	6
5	180-1236	BOLT BRACKET TO FRAME	2	15	45-05	LOCKWASHER	6
6	3228020	BRACKET ENGINE MOUNTING	1	16	3215054	FAN	1
6A	3235635	PAU	1	17	3215009	SPACER FAN	1
7	45-08	LOCKWASHER	4	18	180-12	NUT	2
8	3222251	BOLT BRACKET TO ENGINE	4	19	616800	WASHER	2

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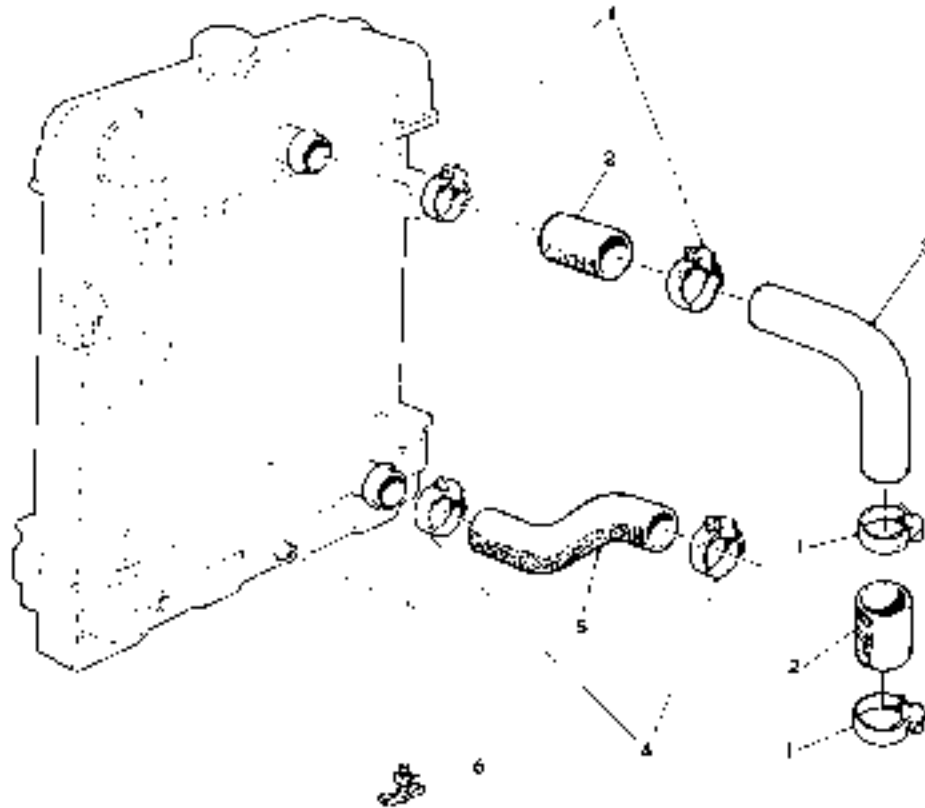
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RADIATOR CONNECTIONS

TP2556

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3221045	CLAMP UPPER HOSE	4	4	3221845	CLAMP LOWER HOSE	2
2	3222321	HOSE UPPER TUBE	2	5	3227949	HOSE LOWER	1
3	3235604	TUBE RADIATOR UPPER	1	6	72F-2	COCK DRAIN	1

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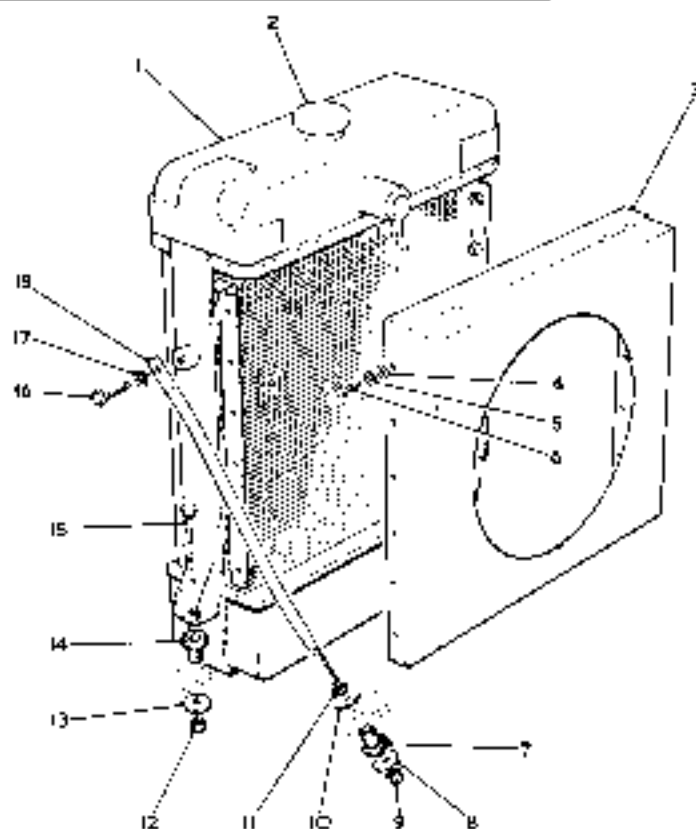
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RADIATOR AND MOUNTINGS

TP3153

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1235343	RADIATOR ASSEMBLY INC 2	1	10	616796	WASHER	2
2	3213420	CAP	1	11	80406	NUT JAW	2
3	3235416	SHROUD PAN	1	12	180408	LOCKNUT	2
4	664422	WASHER	12	13	616796	WASHER	2
5	4E405	LOCKWASHER	12	14	569734	DAMPENER VIBRATION	2
6	2C-510	BOLT SHROUD TO RADIATOR	12	15	2C-544	BOLT RADIATOR TO FRAME	2
7	569734	DAMPENER VIBRATION	2	16	2C-820	BOLT NUT TO RADIATOR	2
8	616796	WASHER	2	17	4E405	LOCKWASHER	2
9	180408	LOCKNUT	2	18	1532786	RAD RADIATOR SUPPORT	2

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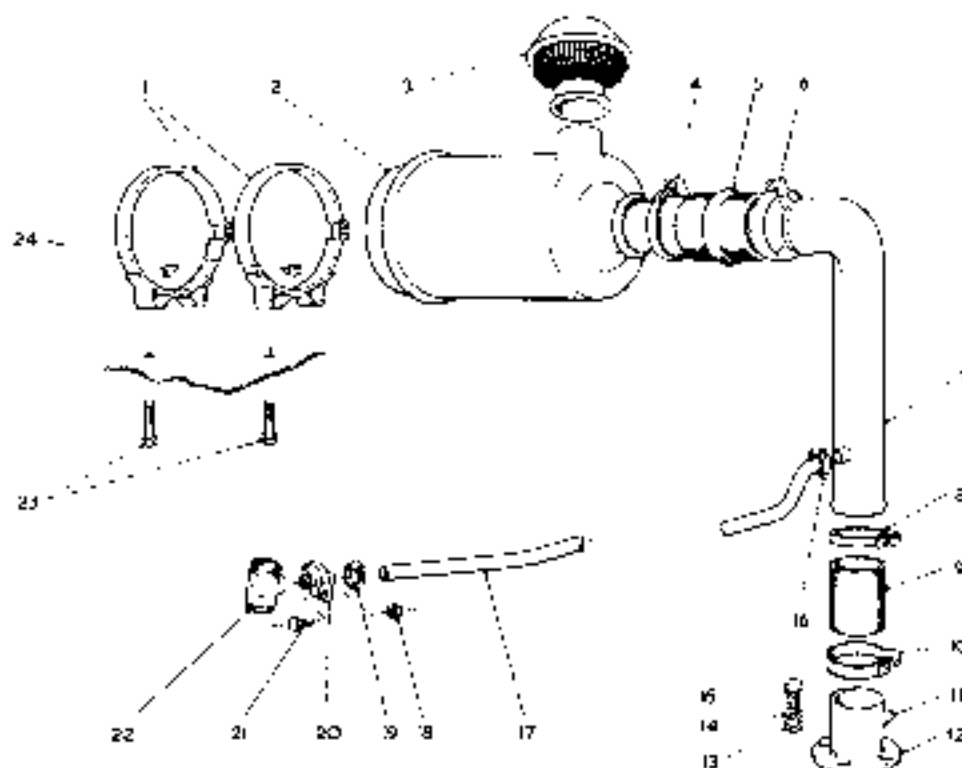
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AIR CLEANER CONNECTIONS

TP 9591

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	942474	BAND BRACKET	2	13	614019	WASHER	4
2		AIR CLEANER SEE INDEX	1	14	4E-03	LOCKWASHER	4
3	1523149	CAP	1	15	3226577	BOLT FLANGE TO ENGINE	4
4	3233183	CLAMP HOSE	1	16	3220661	CLAMP HOSE	1
5	1522451	HOSE	1	17	3238297	HOSE	1
6	3221891	CLAMP HOSE	1	18	180-04	NUT	2
7	3233349	LINE ASSEMBLY	1	19	3220661	CLAMP HOSE	1
8	3221851	CLAMP HOSE	1	20	3434350	FLANGE INDICATOR MSG	1
9	3154424	HOSE	1	21	20-410	BOLT	2
10	3221891	CLAMP HOSE	1	22	3434345	RESTRICTION INDICATOR	1
11	3209384	PLUG	1	23	20-416	BOLT AIR CLEANER MOUNT	4
12	3226577	FLANGE INTAKE PIPE	1	24	180-06	LOCKNUT	4

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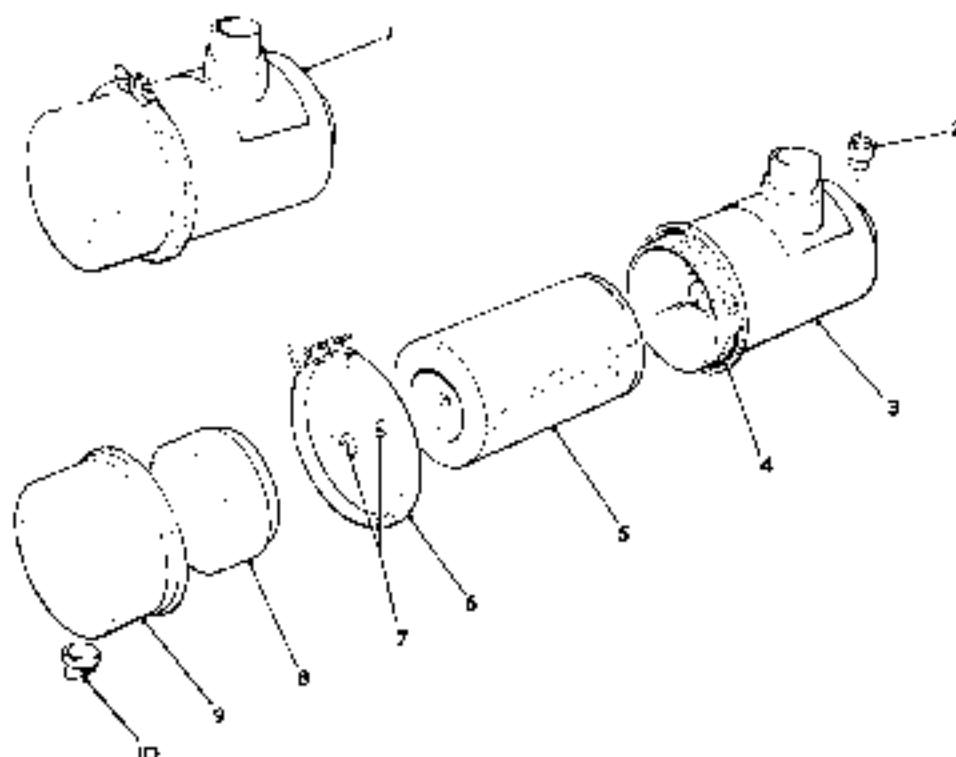
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AIR CLEANER

TP2864

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	1508000	AIR CLEANER ASSY INC 3-10	1	7	886527	WASHER	1
2	1721800	INDICATOR AIR CLEANER	1	7A	886528	NUT	1
3		□ BODY DEL 1	1	8	547630	WASHER	1
4	886298	D RING DUST CAP	1	9	547637	CAP DUST	1
5	1590288	ELEMENT	1	10	546860	VACUATOR	1
6	545060	CLAMP	1				

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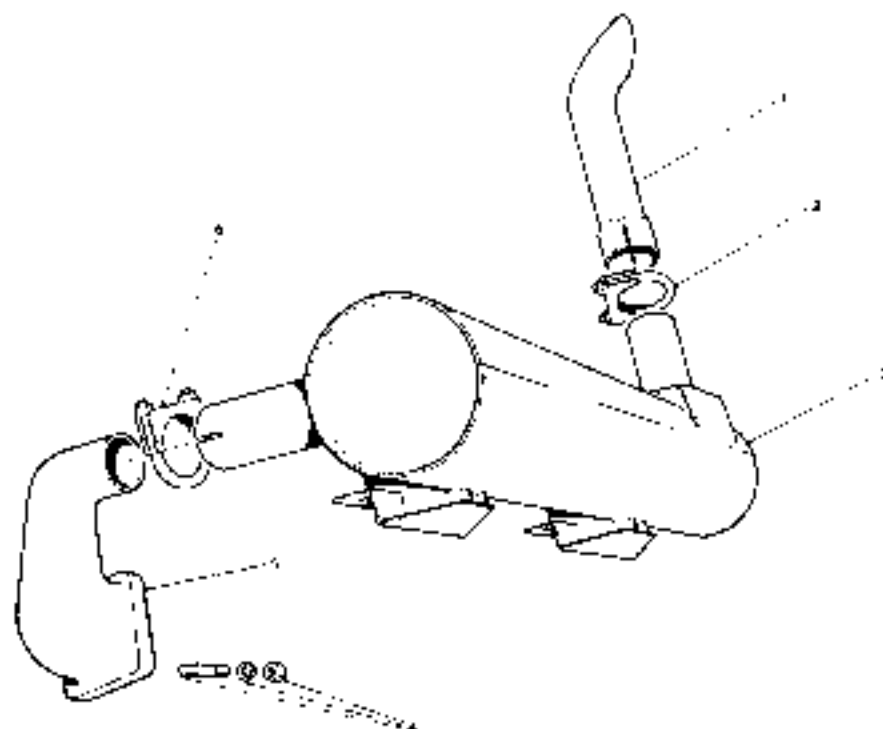
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MUFFLER EXHAUST

1P2453

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3226481	TAILPIPE	1	4A	3228604	NUT	4
2	3226554	CLAMP TAILPIPE	1	4B	4E-08	LOCKWASHER	4
3	1215071	MUFFLER	1	5	3213293	ELBOW EXHAUST PIPE	1
4	3206946	STUD ELBOW TO MANIFOLD	4	6	340282	CLAMP	1

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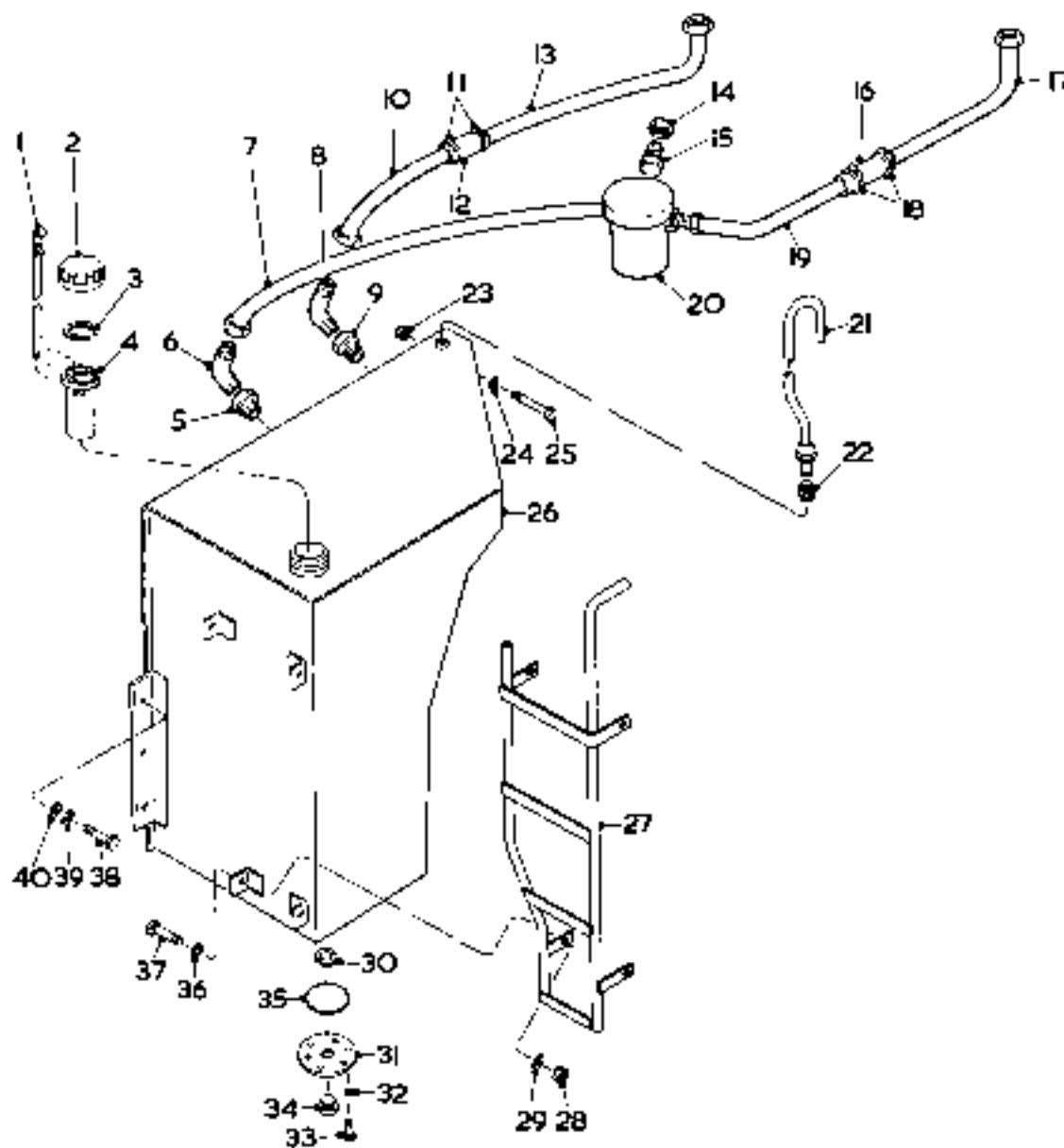
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FUEL TANK & LINES

TP3533



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS FUEL TANK AND LINES

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1531713	DIPSTICK	1	71	1503579	TUBE BREATHER	1
2	3237250	CAP FUEL INC 2A & 3	1	210	61111	CLIP	1
2A	3237251	PLATE BACKING	1	210	211-617	PLATE	1
3	3230936	RING SEAL	1	210	180-06	LOCKWASHER	1
4	9-395T	SCREEN	1	22	32F-06	CONNECTOR	1
5	19F-05	BUSHING REDUCING	1	23	180-10	LOCKWASHER	1
6	511-13	FLANG	1	24	61111	CLIP	1
7	3236254	PIPE FUEL FEED	1	25	20-1032	BOLT TANK TO FRAME	1
8	42F-06	ELBOW	1	26	1531713	FUEL TANK	1
9	191-03	BUSHING REDUCING	1	27	1531714	STEP ASSEMBLY	1
10	3236259	PIPE FUEL RETURN	1	28	180-08	LOCKWASHER	4
11	3270061	CLIP HOSE	2	29	61111	CLIP	4
12	3201412	HOSE CONNECTING	1	30	525293	MAGNET	1
13	3229423	PIPE FUEL RETURN	1	31	587611	LAYER INSULATION	1
14	180-06	LOCKWASHER	2	32	41-06	LOCKWASHER	6
15	20-620	BOLT FILTER MOUNTING	2	33	20-612	BOLT COVER TO TANK	6
16	3224062	HOSE CONNECTING	1	34	40K-16	PLATE	1
17	3229424	PIPE FUEL FEED	1	35	25K-40-28	O-RING	1
18	3220063	CLIP HOSE	2	36	61111	CLIP	4
19	3236255	PIPE FUEL FEED	1	37	20-620	BOLT TANK TO FRAME	4
20	3223365	PRE-FILTER ASSY INC 20044	1	38	21-1024	BOLT TANK TO FRAME	5
20A	3240476	BODY GLASS	1	39	4E-10	LOCKWASHER	5
200	3240477	RING SEALING	1	40	61111	CLIP	5

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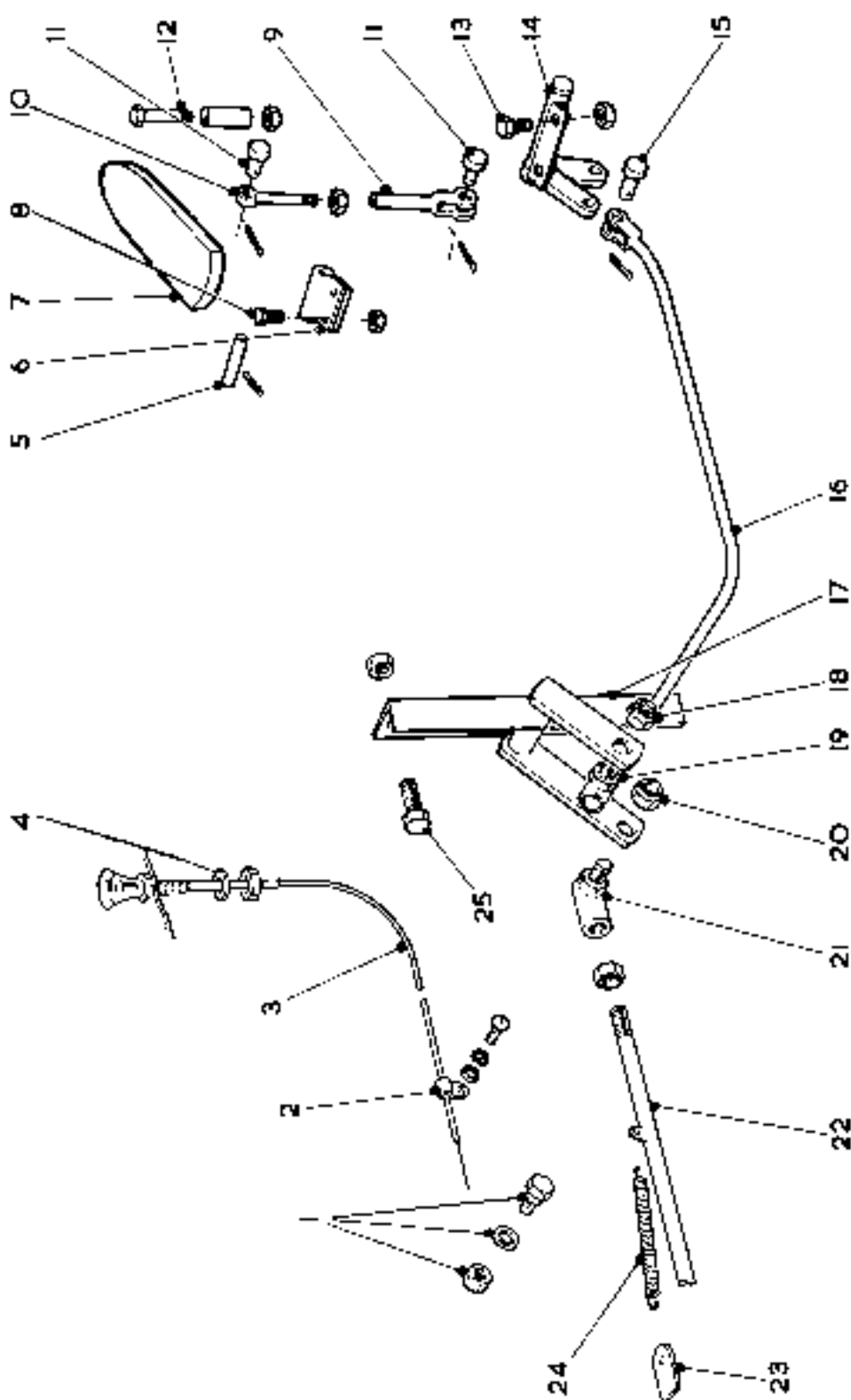
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TP2580

ENGINE CONTROLS



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

ENGINE CONTROLS

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3208284	ADAPTOR CABLE ENGINE STOP	1	12	24C-448	BOLT PEDAL STOP	1
1A	3270854	NUF	1	12A	351016	STOP PEDAL	1
1B	064414	WASHER	1	12B	15B-004	LOCKNUT	1
1C	17E-10	LOCKWASHER	1	13	2C-416	BOLT	2
2	3207293	CLIP CABLE ENGINE STOP	1	13A	180-04	LOCKNUT	2
2A	3220451	SCREW	1	14	744942	PELLCRANK ASSEMBLY	1
2B	17E-10	LOCKWASHER	1	15	4T-04031	PIN CLEVIS	1
2C	064423	WASHER	1	15A	1F-208	PIN COTTER	1
3	742122	SCREW	1	16	3224410	ROD CONTROL	1
4	064423	WASHER ENGINE STOP	2	17	3229406	PELLCRANK REAR	1
5	1F-316	COTTER PEDAL PIVOT	1	18	060-05	NUT ADJUSTER	2
5A	623762	PIN	1	19	1501461	BALLJOINT CONTROL ROD	1
6	623760	BRACKET	1	19A	8C-05	NUT	1
6A	712554	SPACER	1	20	060-05	LOCKNUT REBENDER	1
7	623823	PEDAL ACCELERATOR	1	21	1501700	BALLJOINT	1
8	2C-416	BOLT BRACKET PEDAL PIVOT	2	21A	8D-05	NUT	1
8A	10B-04	NUT	2	22	3215491	PISTON CONTROL REAR	1
9	24-4200	CLEVIS	1	23	3229430	ANCHOR THROTTLE SPRING	1
9A	8D-04	NUT	1	24	551090	SPRING INSULATOR	1
10	550619	ROD PEDAL LINKAGE	1	25	24-616	BOLT PELLCRANK REAR	2
11	4F-04051	PIN CLEVIS	2	25A	18G-06	NUT	2
11A	1F-708	PIN COTTER	1				

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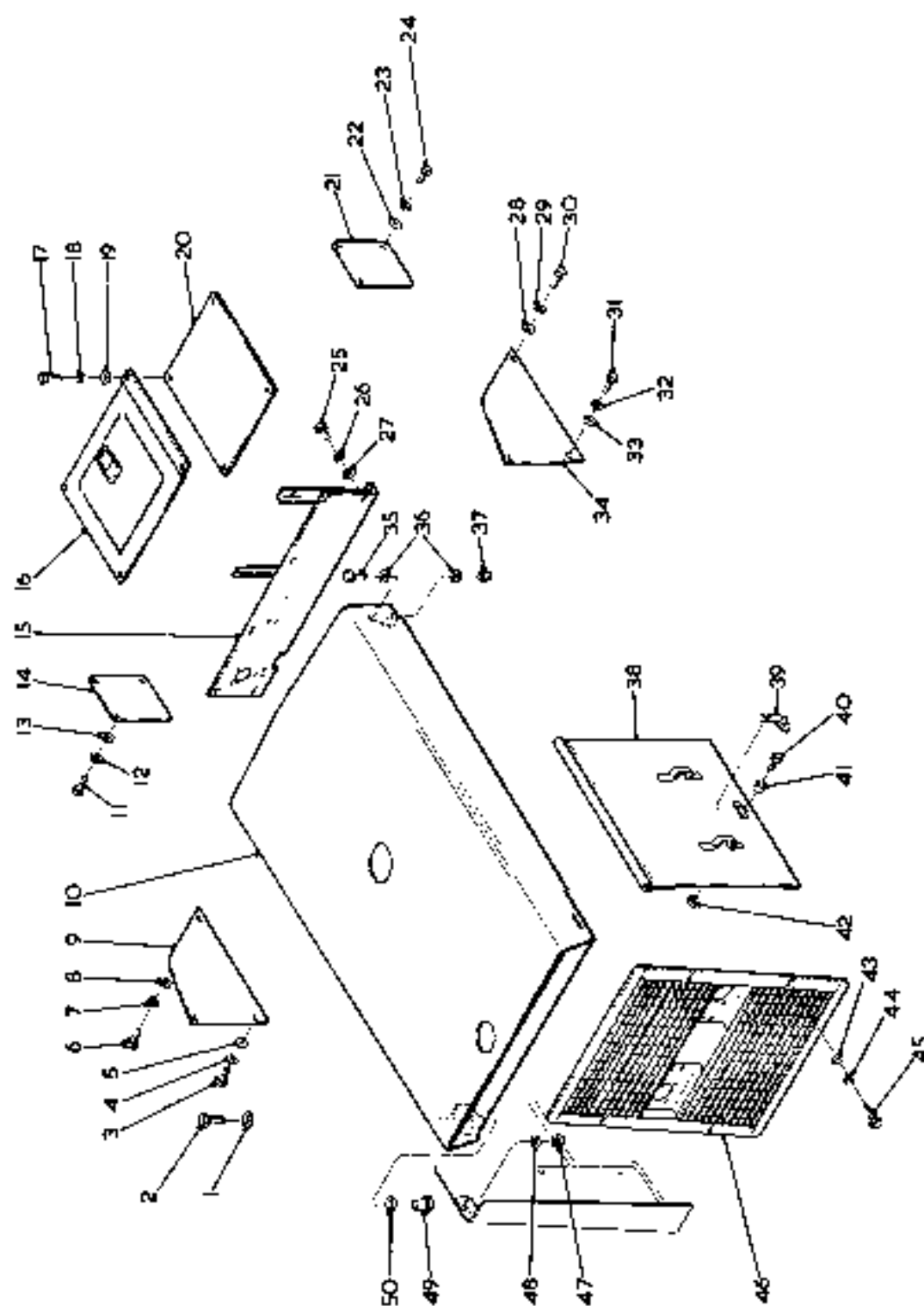
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TP3532

HOOD SHROUD AND GRILLE

CONSTRUCTION MACHINERY PRODUCTS
HOOD, SHROUD AND GRILLE

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	615021	WASHER	2	26	4E-06	LOCKWASHER	6
2	2C-632	BOLT HOOD MOUNTING	2	27	656672	WASHER	6
3	1C-616	BOLT PLATE TO FRAME	2	28	656672	WASHER	2
4	4E-06	LOCKWASHER	2	29	4E-06	LOCKWASHER	1
5	656672	WASHER	2	30	2C-620	BOLT PLATE TO FRAME	1
6	2C-620	BOLT PLATE TO FRAME	1	31	1C-616	BOLT PLATE TO FRAME	2
7	4E-06	LOCKWASHER	1	32	4E-06	LOCKWASHER	2
8	656672	WASHER	1	33	656672	WASHER	2
9	1531803	PLATE ACCESS	1	34	1531803	PLATE ACCESS	1
10	3235318	HOOD ASSEMBLY	1	35	2C-624	BOLT HOOD MOUNTING	2
11	1C-616	BOLT PLATE TO COCKPIT	3	36	615021	WASHER	4
12	4E-06	LOCKWASHER	3	37	18C-06	LOCKNUT	2
13	656672	WASHER	1	38	1535346	PANEL SIDE	4
14	1532766	PLATE COCKPIT	1	39	3235086	CATCH ASSEMBLY	4
15	3235320	PLATE ASSEMBLY	1	40	5220858	SCREEN JUMPER TO PANEL	4
16	1531801	PLATE COVER LH	1	41	3215486	BUMPER	4
17	1C-616	BOLT COVER PLATES / FRAME	6	42	3220859	NUT	4
18	4E-06	LOCKWASHER	6	43	615682	WASHER	4
19	656672	WASHER	6	44	4E-06	LOCKWASHER	4
20	1531804	PLATE COVER RH	1	45	2C-624	BOLT GRILLE MOUNTING	4
21	1532766	PLATE COCKPIT	1	46	3222302	GRILLE ASSEMBLY	1
22	656672	WASHER	1	47	18C-06	LOCKNUT	2
23	4E-06	LOCKWASHER	1	48	615021	WASHER	2
24	1C-616	BOLT PLATE TO CHAMFER	3	49	548276	DAMPENER VIBRATION	2
25	1C-620	BOLT PLATE TO FRAME	6	50	615021	WASHER	2

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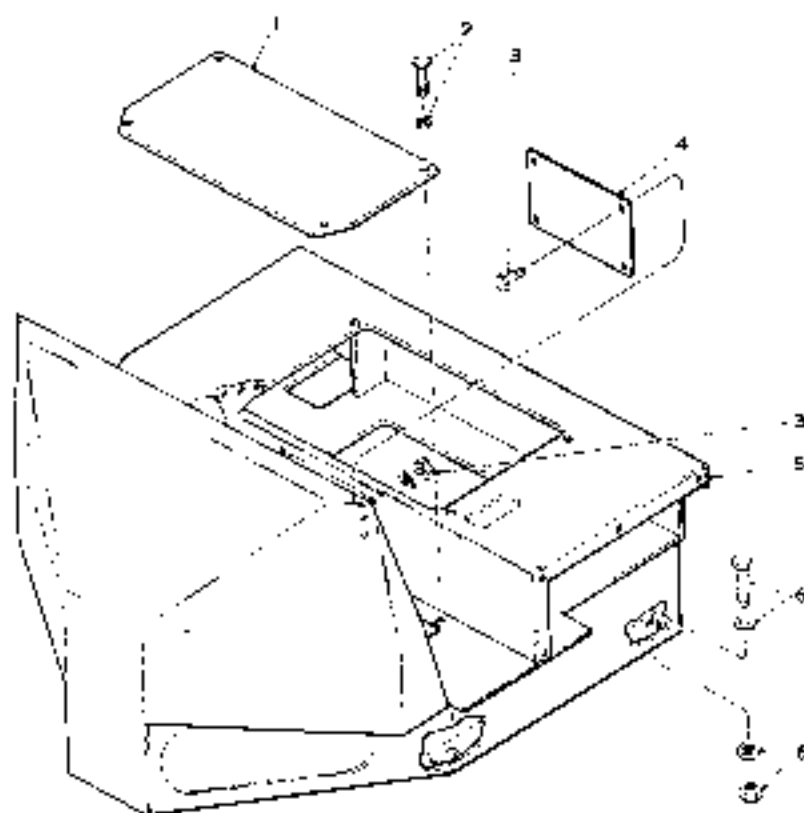
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OPERATORS COMPARTMENT

TP2595

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	568946	PLATE FLOORBOARD	1	5	3237632	COCKPIT ASSEMBLY	1
2	21-816	BOLT FLOORBOARD PLATE	4	6	21-840	BOLT COCKPIT TO FRAME	4
2A	45408	LOCKWASHER	4	6A	619029	WASHER	4
3	21-612	BOLT HEATER COVER PLATE	4	6B	180-08	LOCKNUT	4
3A	180-04	LOCKNUT	4	7	3229225	+ GASKET	1
4	307057	PLATE HEATER COVER	1				

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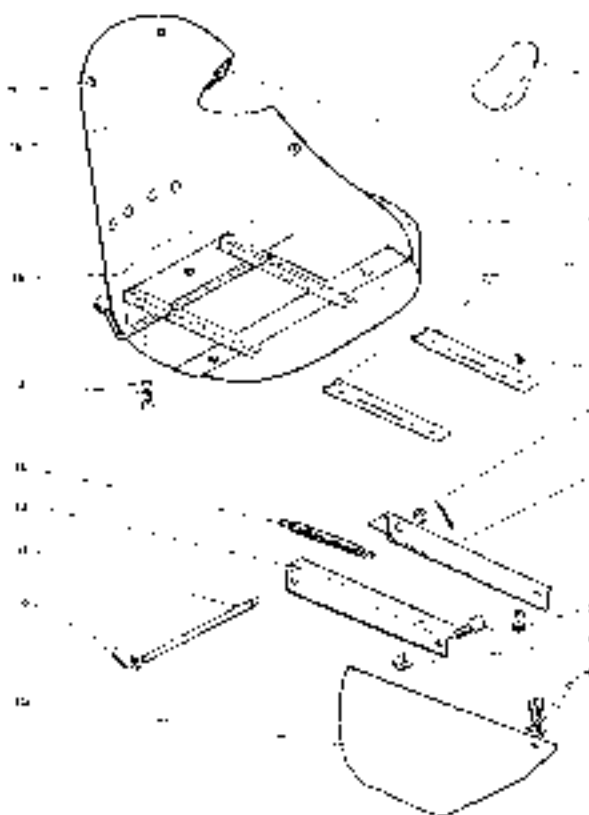
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VAL 452781

T 103

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3203873	SEAT & SLIDE INC 4-14324	1	98	419029	WASHER	5
2	3203876	CUSHION BACKREST	1	10	568701	SEAT BASE ASSY	1
3	3203875	CUSHION SEAT	1	11	557458	BAR SEAT MOUNTING	1
4	3203827	SLIDE SET	1	12	558874	ANGLE L R	1
5	86-518	SCREW SLIDE SET TO ANGLE	4	13	550301	SPRING	1
5A	619019	WASHER	4	14	2C-582	BOLT SLIDE SET TO SEAT	4
5B	670-05	LOCKNUT	4	14A	54-05	LOCKWASHER	4
6	17-420	PIN COTTLK MTG BAR	2	15	2C-412	BOLT SEAT CUSHION	5
6A	664406	WASHER	2	15A	619018	WASHER	2
7	558772	ANGLE R H	1	16	3203874	SEAT ASST INC 2-3, 15-17	1
8	2C-824	BOLT ANGLE TO BRACKET	2	16A	3203874	SEAT PAN	1
8A	1811-06	LOCKNUT	2	17	2C-408	BOLT BACKREST CUSHION	5
9	1C-420	BOLT BASE TO COCKPIT	5	17A	619018	WASHER	5
9A	4E-08	LOCKWASHER	5				

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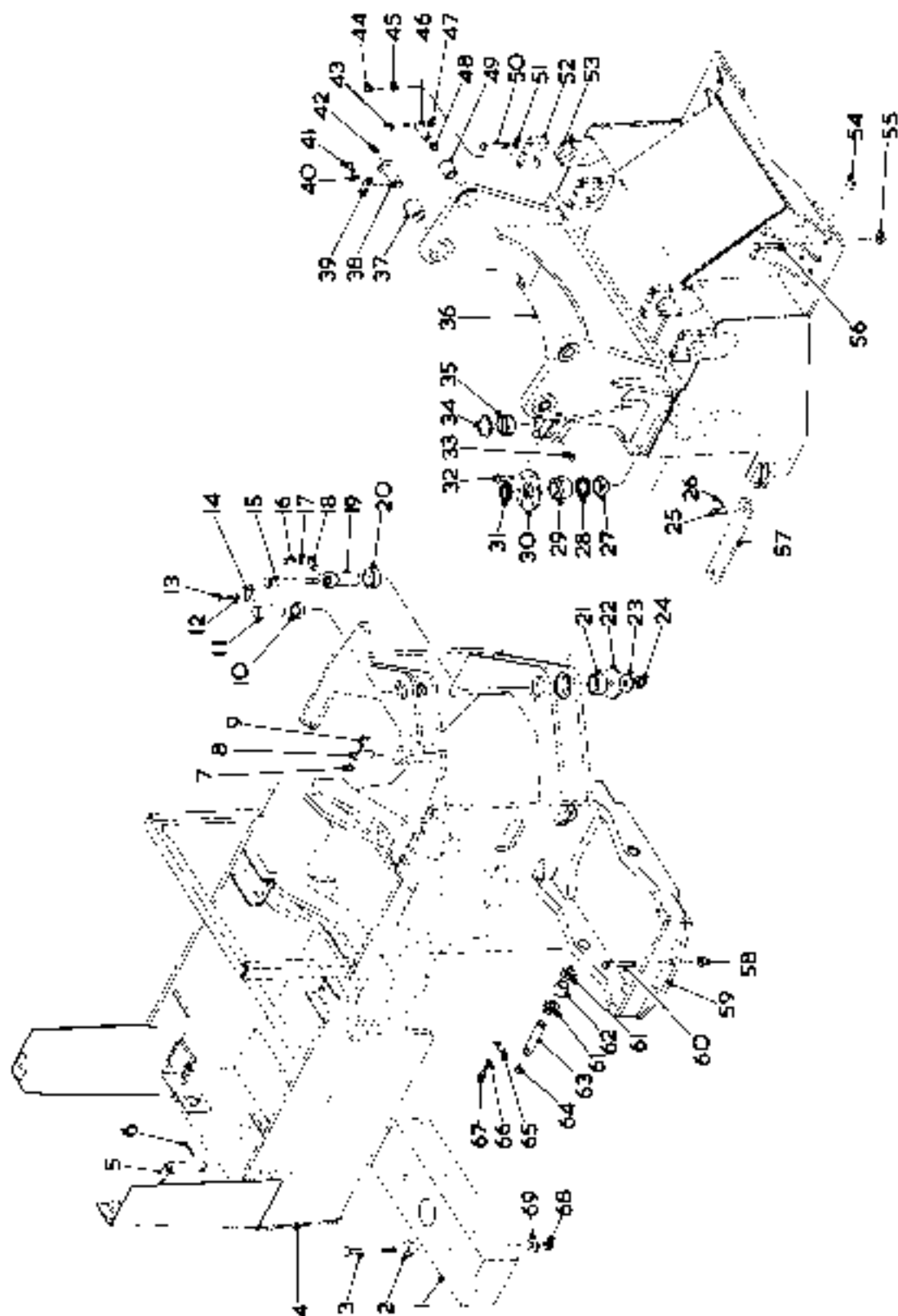
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TP3513

FRONT AND REAR FRAME AND CRADLE

CONSTRUCTION MACHINERY PRODUCTS
FRAME, AXLE CRADLE AND COUNTERWEIGHT

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1546420	COUNTERWEIGHT	1	36	3235034	FRAME ASSEMBLY MOUNT	
2	1546753	WASHER	2			INC 3T-45-52	1
3	2C-12184	BOLT COUNTERWEIGHT MOUNT	2	37	1544827	BUSHING BUSH PIVOT	2
4	3237622	FRAME ASSEMBLY REAR		38	1535874	PIN	2
		INC 10, 20 & 21	1	38A	1540168	1 SPACER BUSH TO FRAME	AR
5	1506818	PIN DRUMBAR	1	39	540594	LOCKPLATE	4
6	1F-1252	SPLIT PIN	1	40	4E-20	LOCKWASHER	8
7	660-08	NUT	4	41	2C-1024	BOLT	8
8	1506539	PIN STEERING CYLINDER	4	42	10H-25	GREASE FITTING	2
9	2C-864	BOLT	4	43	2C-880	BOLT	2
10	1532035	BUSHING UPPER HINGE	2	44	10H-5	GREASE FITTING	4
11	1530843	PIN UPPER HINGE	1	45	1506545	BOLT	4
12	4E-08	LOCKWASHER	2	46	540649	PIN BUCKET CYLINDER	2
13	2C-420	BOLT	2	47	1ND-08	NUT	2
14	1532917	LOCKPLATE	1	48	10H-25	GREASE FITTING	2
15	24C-20184	BOLT LOWER HINGE	1	49	1531345	BUSHING	2
16	2C-820	BOLT	2	50	24C-1272	BOLT	8
17	4E-08	LOCKWASHER	4	51	4E-32	LOCKWASHER	8
18	1532917	LOCKPLATE	1	52	1544350	CAP BUSH CYLINDER ANCHOR	4
19	1507654	PIN LOWER HINGE	1	53	1530949	BUSHING	4
20	1531727	BUSHING LOWER HINGE	1	54	675316	RECTANGULAR PLAT	4
21	572814	BUSHING LOWER HINGE	1	55	680-20	NUT AXLE MOUNTING FRONT	8
22	1522429	PLATE BUSHING RETAINING	1	56	24C-20128	BOLT AXLE MOUNTING FRONT	8
23	1522448	WASHER	1	57	1531354	LINK SAFETY	1
24	1ND-20	LOCKWASHER	1	58	680-16	NUT AXLE MOUNTING REAR	8
25	1342700	COILER PIN	2	59	1531775	CRADLE ASY AXLE INC D2	1
26	1F-424	SPLIT PIN	2	60	24C-1672	BOLT AXLE MOUNTING REAR	8
27	1531573	SPACER	1	61	552146	WASHER	AR
28	1530842	SEAL	1	61A	552147	WASHER	AR
29	1341478	BUSHING	1	62	1541804	BUSHING	2
30	1507655	CAP BUSHING RETAINING	1	63	1531783	PIN CRADLE TO FRAME	2
31	1530843	SEAL	1	64	11H-15	GREASE FITTING	2
32	24C-1032	BOLT CAP TO FRAME	6	65	568255	LOCKPLATE	2
33	10H-25	GREASE FITTING	2	66	4E-08	LOCKWASHER	4
34	710943	HINGE BUSHING RETAINING	1	67	2C-820	BOLT	4
35	669896	BUSHING	1	68	1ND-12	NUT COUNTERWEIGHT MOUNT	2
				69	1506753	WASHER	2

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EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS
NAMEPLATES AND DECALS (Not Illustrated)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
ENGLISH							
1	3235255	PLATE SERIAL NUMBER	1	9	1509581	DECAL SAFETY WARNING	1
1A	6C-605	SCREW	4	10	1505537	DECAL SAFETY WARNING	1
2	564061	NAMEPLATE CASTING GRILLE	1	11	3230214	DECAL ALTERNATOR WARNING	1
2A	63C-418	SCREW	4	12	512740	DECAL ARTIC WARNING	2
3	547851	DECAL CLARK EQUIPMENT	2	13	1527436	PLATE RESERVOIR SERVICE	1
4	547852	DECAL MICHIGAN	3	14	1505530	DECAL WARM UP WARNING	1
5	1541706	DECAL MODEL	2	15	3208202	NAMEPLATE ENGINE TEMP	1
6	3230424	DECAL LEVER MOVEMENT	1	16	3208204	NAMEPLATE CONVERTER TEMP	1
7	548074	PLATE OPERATING PRECAUTION	1	17	3232792	NAMEPLATE STARTER SWITCH	1
7A	65G-406	SCREW	4	18	3220676	NAMEPLATE HEAD/TAIL LAMP	1
8	54M254	DECAL GRAIN	1	19	3220677	NAMEPLATE REVERSE LAMP	1

FRENCH

1	3235255	PLATE SERIAL NUMBER	1	9	3230021	DECAL SAFETY WARNING	1
1A	6C-605	SCREW	4	10	3230012	DECAL SAFETY WARNING	1
2	564061	NAMEPLATE CASTING GRILLE	1	11	3230024	DECAL ALTERNATOR WARNING	1
2A	63C-418	SCREW	4	12	3230025	DECAL ARTIC WARNING	2
3	547851	DECAL CLARK EQUIPMENT	2	13	3230022	PLATE RESERVOIR SERVICE	1
4	547852	DECAL MICHIGAN	3	14	3230014	DECAL WARM UP WARNING	1
5	1541706	DECAL MODEL	2	15	3230004	NAMEPLATE ENGINE TEMP	1
6	3230424	DECAL LEVER MOVEMENT	1	16	3237959	NAMEPLATE CONVERTER TEMP	1
7	3238023	PLATE OPERATING PRECAUTION	1	17	3235010	NAMEPLATE STARTER SWITCH	1
7A	65G-406	SCREW	4	18	3232016	NAMEPLATE HEAD/TAIL LAMP	1
8	3237990	DECAL GRAIN	1	19	3230009	NAMEPLATE REVERSE LAMP	1

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EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS
NAME PLATES AND DECALS (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
SPANISH							
1	3235258	PLATE SERIAL NUMBER	1	9	3238078	DECAL SAFETY WARNING	1
1A	6C-605	SCREW	4	10	3238088	DECAL SAFETY WARNING	1
2	544011	NAMEPLATE CASTING GRILLE	1	11	3238081	DECAL ALTERNATOR WARNING	1
2A	43G-418	SCREW	4	12	3238081	DECAL ARTIC WARNING	2
3	547851	DECAL CLARK EQUIPMENT	2	13	3238075	PLATE RESERVOIR SERVICE	1
4	547852	DECAL MICHIGAN	3	14	3238071	DECAL WARM UP WARNING	1
5	1541706	DECAL MODEL	2	15	3238061	NAMEPLATE ENGINE TEMP	1
6	3236929	DECAL LEVER MOVEMENT	1	16	3238036	NAMEPLATE CONVERTER TEMP	1
7	3238080	PLATE OPERATING PRECAUTION	1	17	3238067	NAMEPLATE STARTER SWITCH	1
7A	65G-406	SCREW	4	18	3238074	NAMEPLATE HEAD/TAIL LAMP	1
8	3238055	DECAL DRAIN	1	19	3238066	NAMEPLATE REVERSE LAMP	1

GERMAN

1	3235258	PLATE SERIAL NUMBER	1	9	3238050	DECAL SAFETY WARNING	1
1A	6C-605	SCREW	4	10	3238039	DECAL SAFETY WARNING	1
2	544011	NAMEPLATE CASTING GRILLE	1	11	3238053	DECAL ALTERNATOR WARNING	1
2A	43G-418	SCREW	4	12	3238054	DECAL ARTIC WARNING	2
3	547851	DECAL CLARK EQUIPMENT	2	13	3238051	PLATE RESERVOIR SERVICE	1
4	547852	DECAL MICHIGAN	3	14	3238042	DECAL WARM UP WARNING	1
5	1541706	DECAL MODEL	2	15	3238032	NAMEPLATE ENGINE TEMP	1
6	3236929	DECAL LEVER MOVEMENT	1	16	3238027	NAMEPLATE CONVERTER TEMP	1
7	3238052	PLATE OPERATING PRECAUTION	1	17	3238038	NAMEPLATE STARTER SWITCH	1
7A	65G-406	SCREW	4	18	3238046	NAMEPLATE HEAD/TAIL LAMP	1
8	3238026	DECAL DRAIN	1	19	3238037	NAMEPLATE REVERSE LAMP	1

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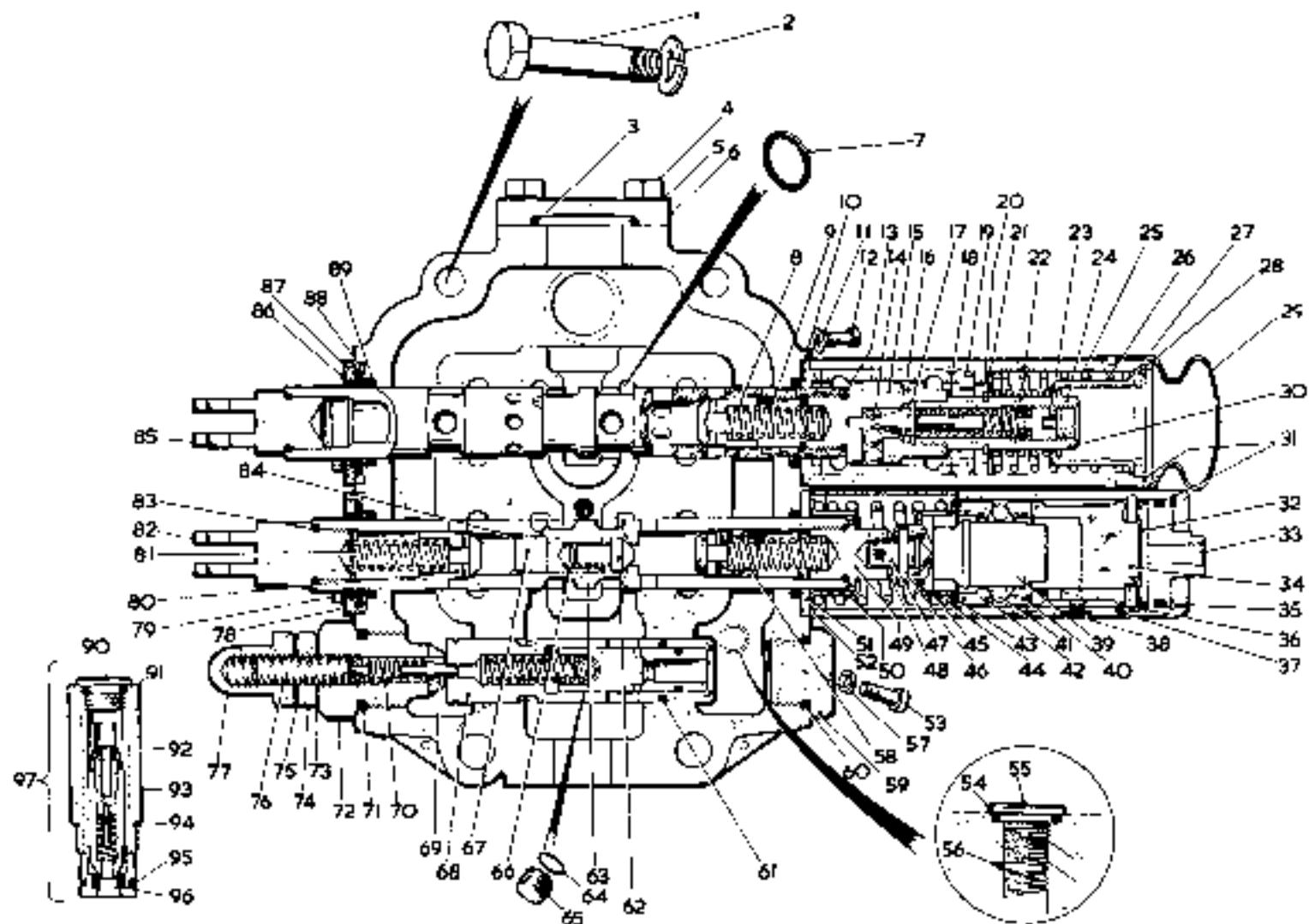
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CONTROL VALVE MAIN HYDRAULIC

TP 3546

CONSTRUCTION MACHINERY PRODUCTS
CONTROL VALVE—MAIN HYDRAULIC

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
4	3237040	CONTROL VALVE ASSEMBLY		36	3291755	SPALLER	1
		INC J=97	1	37	3291752	COVER DETENT	1
1	20-364	BOLT VALVE MOUNTING	3	38	3213607	PLUG BLEED	1
2	46-08	LOCKWASHER	3	39	945072	CAP PLUNGER	1
3	25K-40116	O RING	1	40	3250323	RETAINER BALL	1
4	EC-720	BOLT COVER TO VALVE	4	41	10J-06	BALL DETENT	1B
5	3250279	WASHER	4	42	3250323	RETAINER BALL	1
6	945064	COVER VALVE MOUNTING	1	43	1302111	RING SNAP	1
7	25K-40112	O RING	1	44	3290647	SPRING RETURN	1
8	945463	VALVE COVER	1	45	3213653	RETAINER SPRING	1
9	3213910	SPRING CHECK	1	46	3213646	ROLLER	1
10	3251759	RETAINER O RING	1	47	3213646	PIN	1
11	3242144	WASHER	2	48	3213647	ROLLER	1
12	10-314	BOLT DETENT COVER	2	49	3213645	CAP PLUNGER	1
13	25K-40028	O RING	2	50	3251757	RETAINER SPRING	1
14	10J-12	BALL DETENT	0	51	3213639	RETAINER SEAL	1
15	3252608	CAP POPPET	1	52	3291758	SPACER	1
16	3292607	SLEEVE DETENT	1	53	10-516	NUT	2
17	3292609	POPPET	1	54	25K-30026	O RING	1
18	945079	O RING	1	55	3290224	PLUG AUXILIARY	1
19	3290227	SPACER	1	56	25K-20024	O RING	1
20	763742	RING SNAP	1	57	3242344	WASHER	2
21	3292611	RETAINER SPRING	1	58	3213510	SPRING CHECK	1
22	3242610	SPRING	1	59	884224	CAP	1
23	3242417	SCREW ADJUSTING	1	60	25K-40104	O RING	1
24	3252412	CAP	1	61	25K-30030	O RING	1
25	3291760	COVER DETENT	1	62	3291765	VALVE CHECK	1
26	3290647	SPRING RETURN	1	63	3241766	SPRING CHECK	1
27	3250660	RETAINER SPRING	1	64	25K-3	PLUG	1
28	3251763	PLUG	1	65	91F-3	O RING	1
29	3291764	COVER RUBBER	1	66	3291767	PLUG PRESSURE	1
30	3292604	SPRING SECONDARY RETURN	1	67	3251760	CAP	1
31	1302111	RING SNAP	2	68	3213643	CARTRIDGE ASSEMBLY	1
32	945214	DIAPHRAGM	1	69	886732	POPPET	1
33	3291754	ADJUSTING PLUG	1	70	3213715	SPRING	1
34	3251756	SPALLER	1	71	25K-30106	O RING	1
35	25K-40128	O RING	1	72	3242186	CAP	1

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CONSTRUCTION MACHINERY PRODUCTS
CONTROL VALVE—MAIN HYDRAULIC (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
75	3213840	WASHER	1	86	12701278	RETAINER WIPER	2
76	6C-08	NUT JAM	1	87	88825T	WIPER	2
75	3213840	WASHER	1	88	3215858	RETAINER L RING	2
76	944355	SCREW ADJUSTING	1	89	25K-40112	O RING	4
77	944353	NUT ALGN	2	90		W L&P S&C 97	1
78	3242344	WASHER	4	91	25K-30016	O RING	1
79	1C-510	BOLT WIPER RETAINER	4	92		W CARTALIDGE ASSEMBLY	1
80	944663	VALVE CH L&A	2	93		W SLIDE	1
81	3240126	SPRING CHECK	1	94	25K-30026	O RING	2
82	946265	ETE	1	95	25K-20074	O RING	1
83	25K-40023	O RING	2	96		W Small S&C 97	1
84	25K-30010	O RING	1	97	3252305	RELIEF VALVE ASSY DUMP	
85	946265	ETE	1			INC 90-96	1

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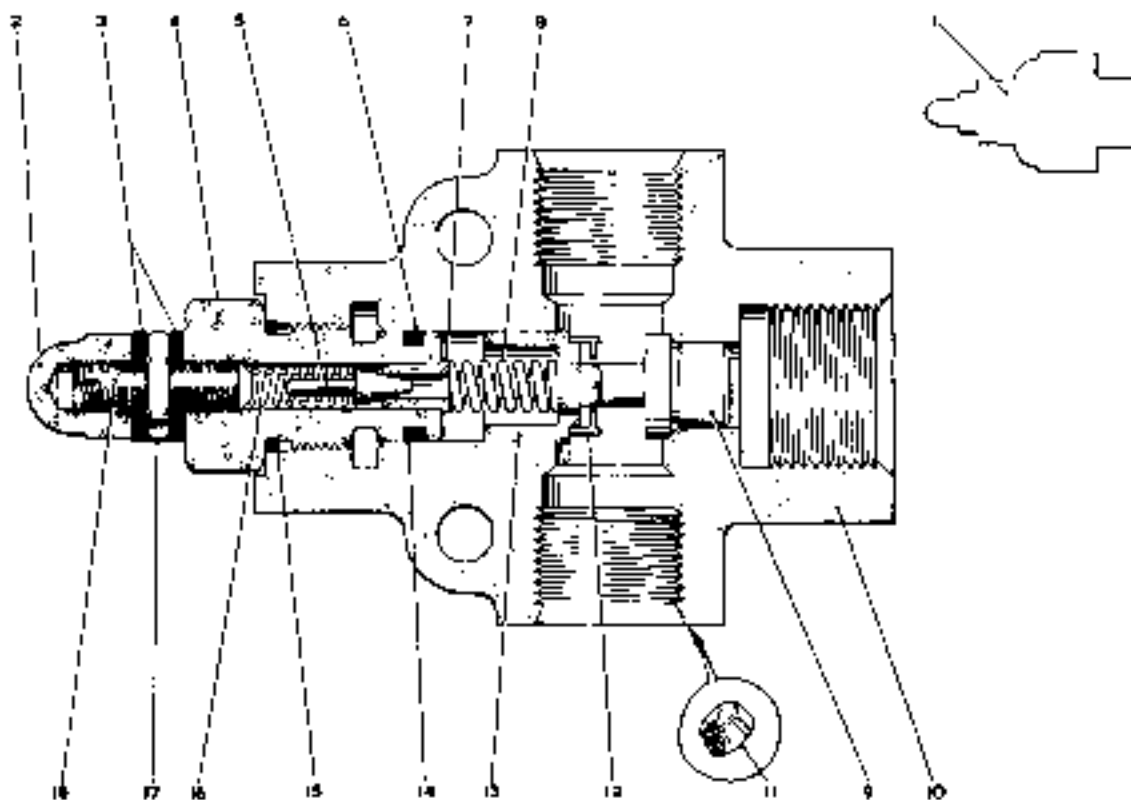
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PRESSURE RELIEF VALVE STEERING

TE 2079

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	536539	VALVE RELIEF INC 2-16	1	100	40K-02	+ PLUG	1
2	4TD-05	NUT ACORN	1	11	40K-02	PLUG	1
3	263702	WASHER SEAL	2	12		SCREEN SEE 13	1
4	944467	GAP VALVE	1	13	944443	POPPET ASSY INC 12	1
5	883134	PLUNGER PILOT	1	14	659038	RING BACK UP	1
6	859624	O RING	1	15	92F-6	O RING	1
7	944469	SEAT PILOT	1	16	944471	SPRING	1
8	544546	SPRING	1	17	40-05	NUT	1
9	944443	SEAT	1	18	33G-514	SCREEN ADJUSTING	1
10		U HOUSING SEC 1	1				

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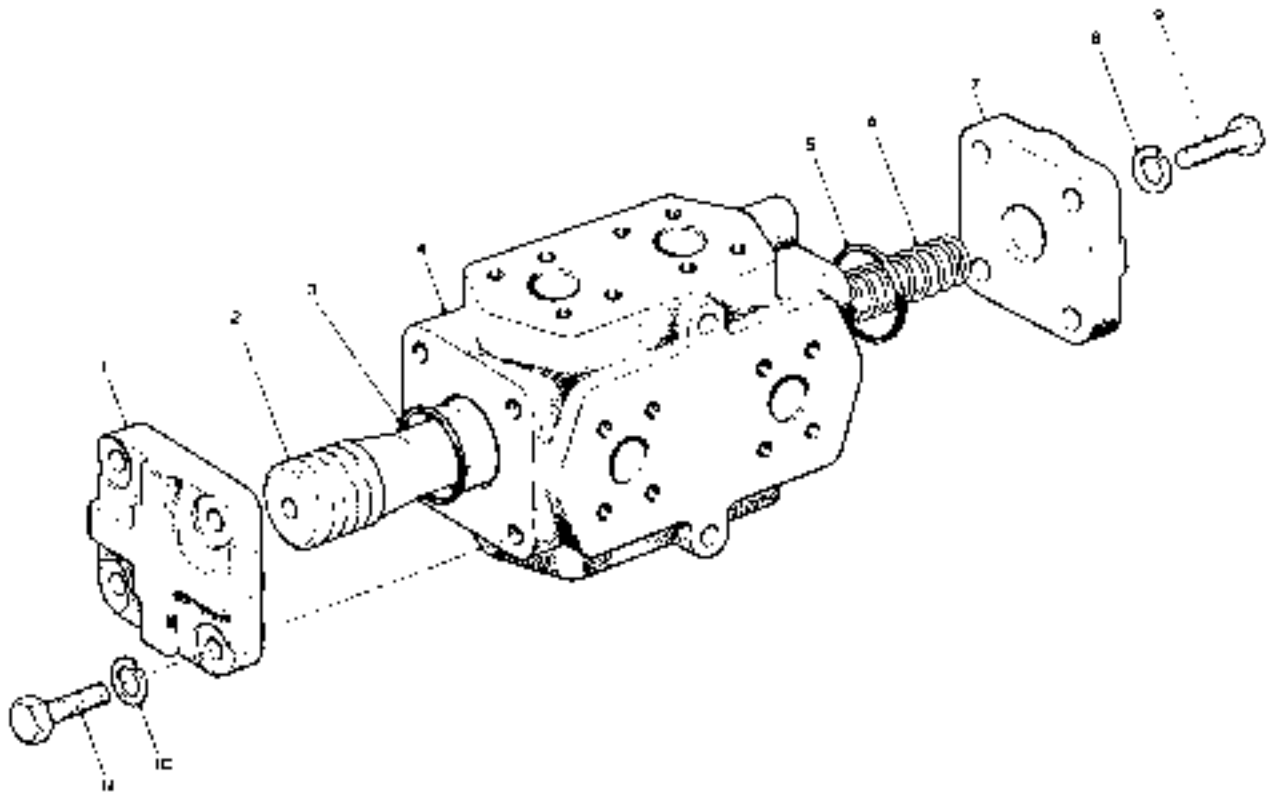
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VALVE - RUN AROUND

TP1555

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
A	1502670	VALVE ASSY INC 2-11	1	7	947835	COVER	1
1	947835	COVER	1	8	4E-06	LOCKWASHER	4
2		PLUNGER SEE A	1	9	1C-820	BOLT COVER TO HOUSING	4
3	25K-40124	O RING	1	10	4E-06	LOCKWASHER	4
4		HOUSING SEE A	1	11	1C-820	BOLT COVER TO HOUSING	4
5	25K-40174	O RING	1	12	2C-788	BOLT VALVE MOUNTING	2
6	947836	SPRING	1	12A	1HC-07	LOCKNUT	2

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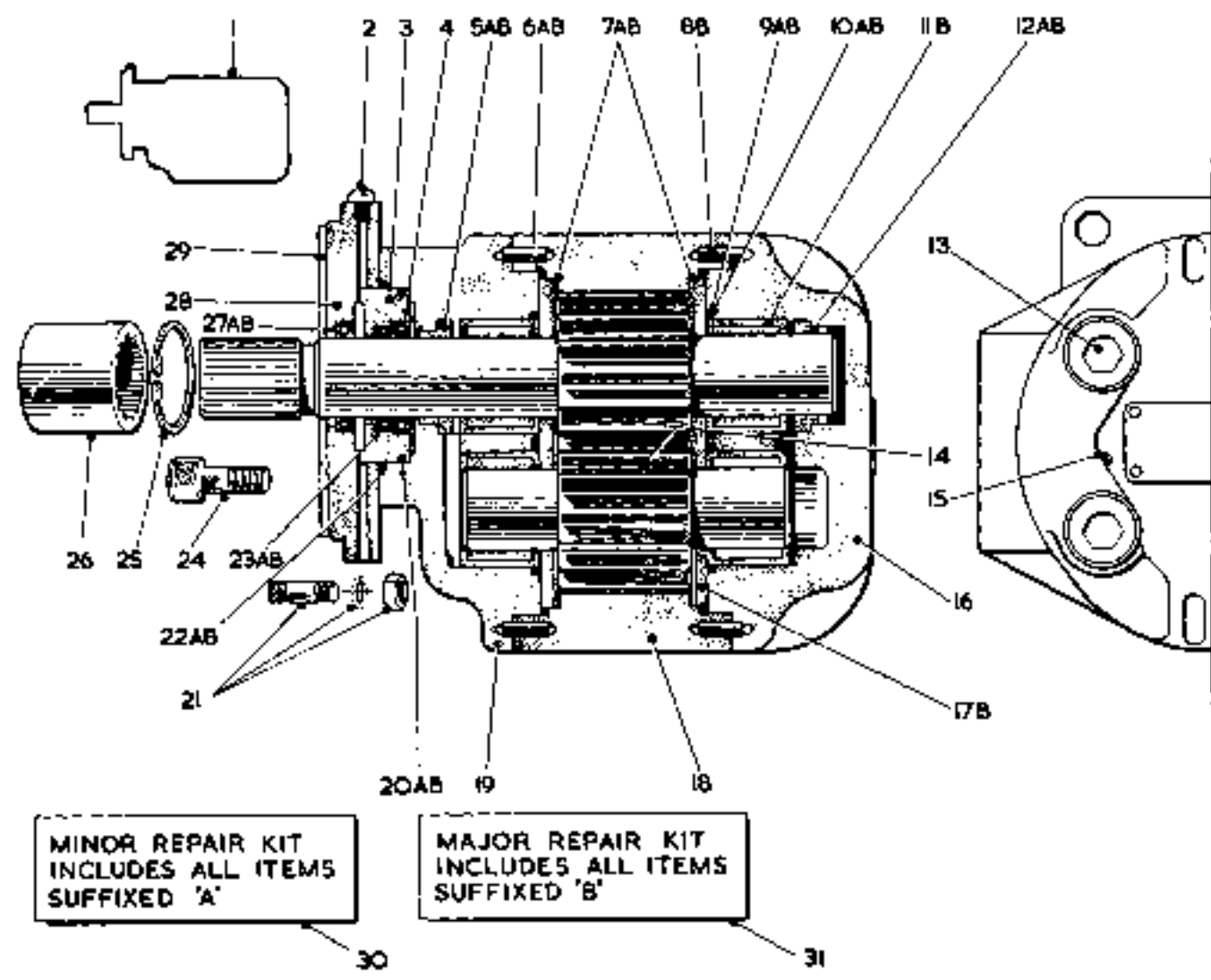
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PUMP HYDRAULIC FRONT END

TP 2882

11/84

11/84

REVISED NOV 76

CONSTRUCTION MACHINERY PRODUCTS
PUMP—MAIN HYDRAULIC

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3224488	PUMP ASSY INC 2-20 22-24 4 27	1	18	3241464	HOUSING	1
2	3212072	SCREW	1	19	3251218	ADAPTER	1
3	3212282	RETAINER SEAL	1	20		Ø 4 KING SEE 10 & 31	1
4		Ø SEAL SEE 30 & 31	1	21	571511	SEED PUMP MOUNTING	4
5		Ø BUSH SEE 30 & 31	1	21A	2D-08	NUT	4
6		Ø O RING SEE 30 & 31	2	21B	4E-08	LUBRICATOR	4
7		Ø SHIM SEE 30 & 31	2	22		Ø SEAL SEE 30 & 31	1
8		Ø DOWEL SEE 31	4	23		Ø SEAL WIPER SEE 30 & 31	1
9		Ø BACK UP RING SEE 30 & 31	4	24	3240873	SCREW FLANGE	8
10		Ø O RING SEE 10 & 31	4	25		UNIT	
11		Ø BEARING SEE 31	4	26	219413	DRIVE SLEEVE	1
12		Ø BUSH SEE 30 & 31	1	27		Ø SEAL SEE 30 & 31	1
13	3251219	CAPSCREW	4	28	3210052	FLANGE	1
14	3291215	GEAR SET	1	29	552141	GASKET	1
15	16F-02	PLUG	2	30	3241323	REPAIR KIT MINOR INC 4-7 9-10-12-20-22-23 & 27	1
16	3291216	COVER	1	31	3251324	REPAIR KIT MAJOR INC 4-12 14-20-22-23 & 27	1
17		Ø WEAR PLATE SEE 31	2				

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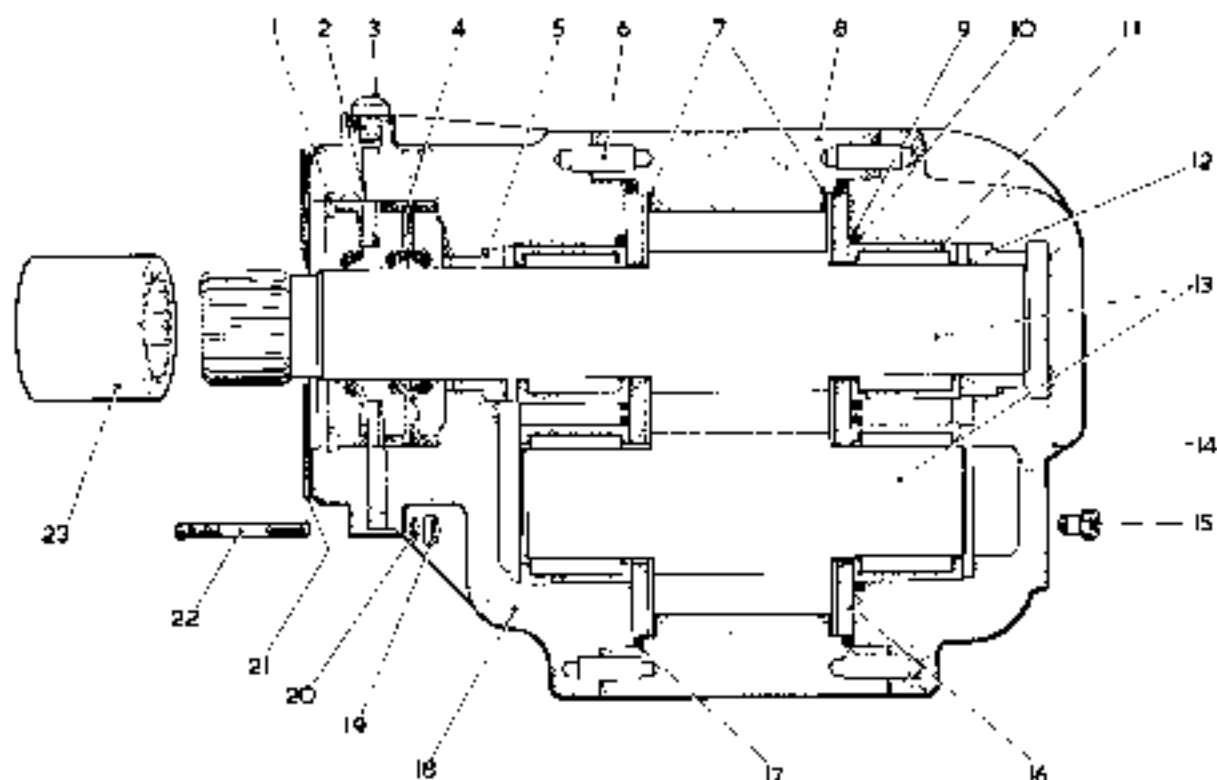
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PUMP-STEERING HYDRAULIC

TP 3186

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	3215760	PUMP INC 2=16	1	15	3290475	LAPSCREW	4
2		SHIM	1	16		PLATE WEAR SEE 23	2
3	3212071	SPACER	1	17		O RING SEE 24 & 25	2
4	4120090	SCREW	1	18	3292309	ADAPTOR	1
5		■ STEEL SHIM 24 & 25	3	19	42=06	NUT	3
6		■ BUSH SEE 24 & 25	1	20	41=06	LOCKWASHER	3
7	214165	COVER	4	20A	615023	WASHER	3
8		■ SHIM SEE 24 & 25	2	21	551906	GASKET	1
9	3240645	HOUSING	1	22	247647	STUD PUMP TO CONVERTER	3
10		■ RING BACK-UP SEE 24 & 25	4	23	3210068	SLEEVE	1
11		■ RING SEAL SEE 24 & 25	4	23A	225390	SHAP RING	2
12		■ BEARING SLI 25	4	24	3292314	REPAIR KIT MINOR INC 4,5, 7,9,11,12 & 17	AR
13		■ BUSH SEE 24 & 25	1	25	3292320	REPAIR KIT MAJOR INC 4,5, 7,9,11,12 & 17	AR
14	3212087	GEAR SET	1				
15	3292304	COVER	1				

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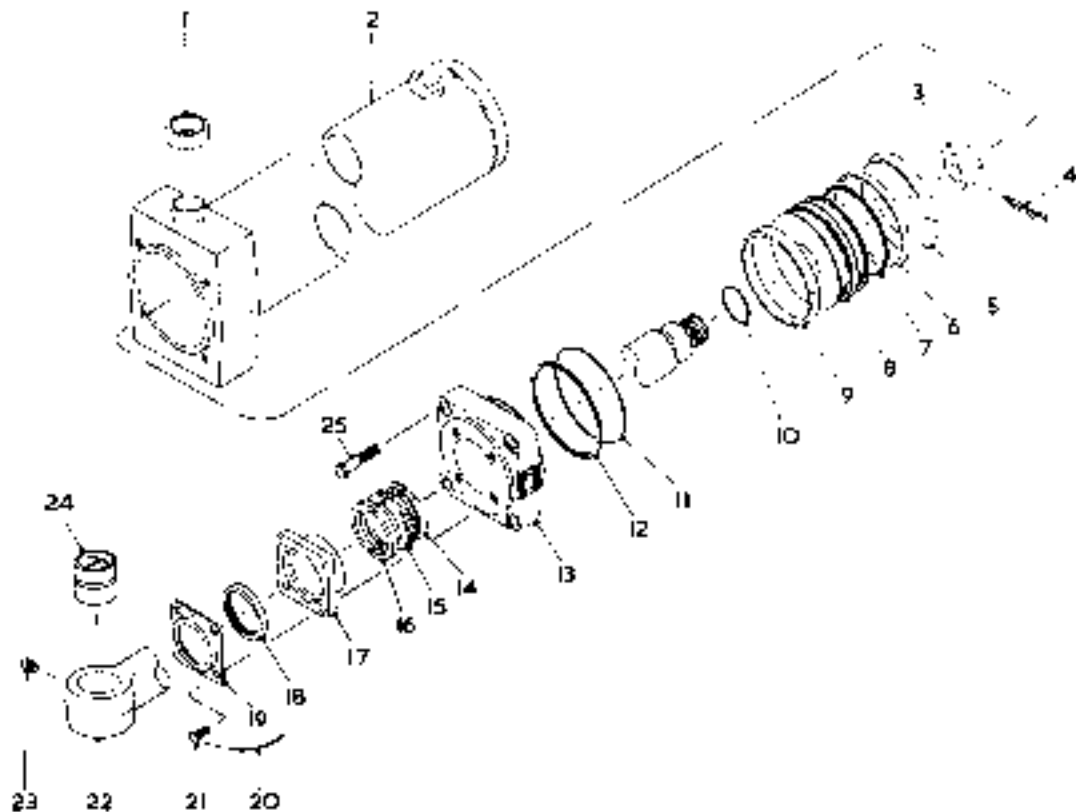
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CYLINDER ASSEMBLY - BOOM

TP 3558

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	3235120	CYLINDER ASSY BOOM LH INC 1=25	1	11	25K-30516	O RING CYLINDER CAP	1
B	1245191	CYLINDER ASSY BOOM RH INC 1=25	1	12	512505	RING BACKUP CYLINDER CAP	1
		QUANTITIES INDICATED ARE FOR L&R ASSEMBLY		13	540939	CAP CYLINDER	1
1	1530772	BUSHING	2	14	3211897	ADAPTOR MALE	2
2	1502451	CYLINDER INC 1	1	15	3220143	PACKING CHEVRON	1
3	1502530	NUT PISTON ROD	1	16	3211711	ADAPTOR FEMALE	2
4	1F-852	SPLIT RING	1	17	1520109	GLAND PACKING	1
5	1503013	RING WEAR	1	18	550450	SEAL	1
6	1502845	RING SEAL OUTER	1	19	512617	RETAINER SEAL	1
7	1503467	RING SEAL INNER	1	20	28H-16310	LOCKWIRE	2
8	1502846	PISTON	1	21	3C-820	BOLE SEAL RETAINER	4
9	1503013	RING WEAR	1	22	1502848	PISTON ROD INC 24	1
10	25K-60120	O RING PISTON ROD	1	23	10H-25	GREASE FILLING	1
				24	550060	BUSHING	2
				25	24L-1056	BUILT CYLINDER CAP	4

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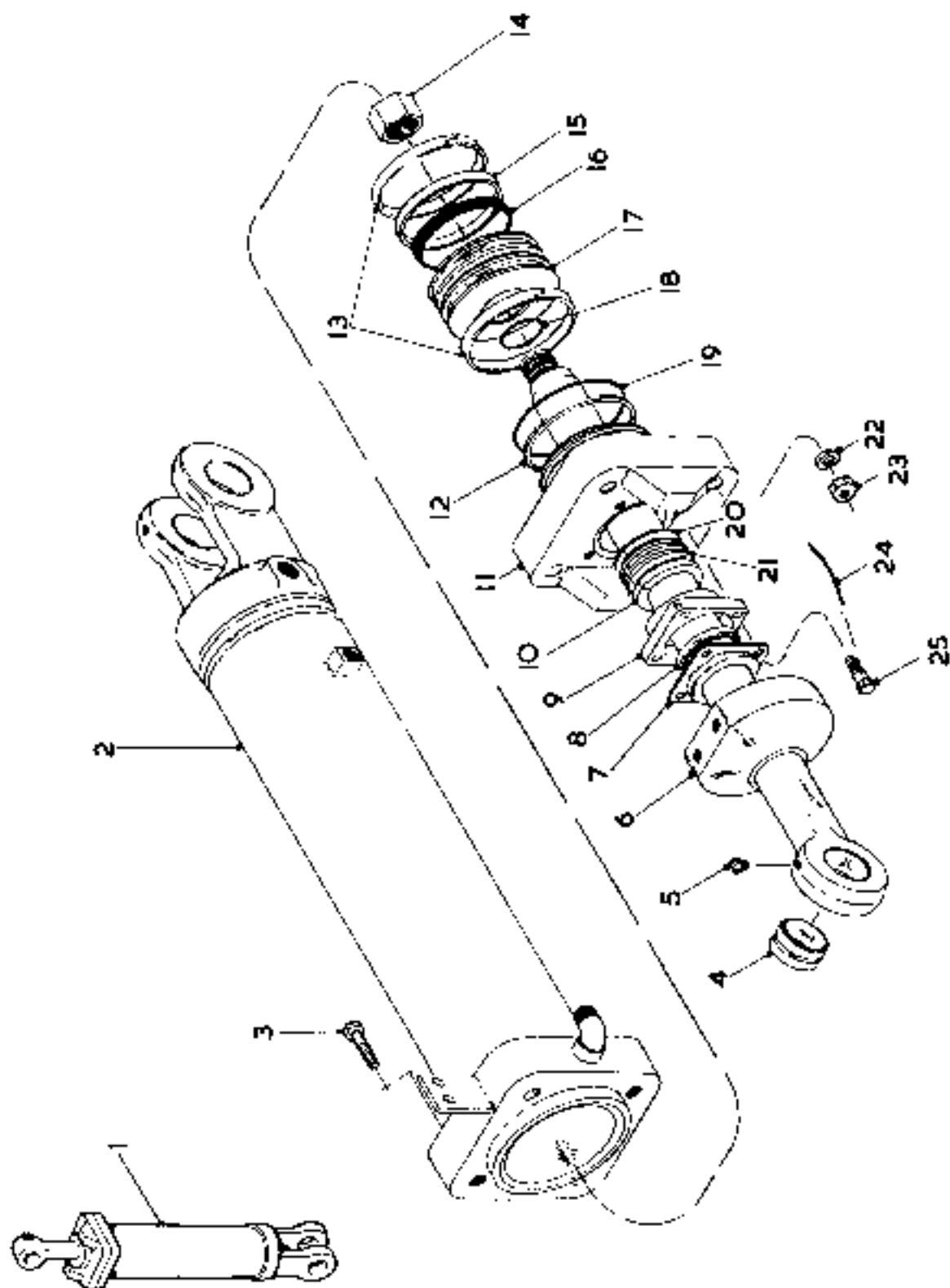
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TP 3554

BUCKET CYLINDER ASSEMBLY

CONSTRUCTION MACHINERY PRODUCTS

CYLINDER-BUCKET

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3235114	CYLINDER ASSY BUCKET		16	1503464	SEAL RING INNER	1
		INCL 2-25	2	17	1503026	PISTON	1
		QUANTITIES INDICATED		18	258-40117	O RING PISTON ROD	1
		ARE FOR ONE ASSEMBLY		19	258-40403	O RING CYLINDER CAP	1
2	1509812	CYLINDER	1	20	3226195	ADAPTOR MALL	2
3	1509548	BOLT CYLINDER CAP	4	21	3226193	PACKING CHEVRON	1
4	561954	BUSHING	1	22	573525	WASHER	4
5	128-15	GREASE FITTING	1	23	180-10	LOCATOR CYLINDER CAP	4
6	561989	ROD PISTON INC 4	1	24	288-16350	LOCKWIRE	2
7	562701	RETAINER SEAL TO GLAND	1	25	90-616	BOLT	4
8	561525	SEAL PISTON TO GLAND	1	26	3226192	PACKING ASSY GLAND	
9	562700	GLAND PACKING	1	26		INCL 19, 20 & 21	1
10	3226196	ADAPTOR FEMALE	2	27	506644	+ PIN CYLINDER TO FRAME	1
11	561996	CAP CYLINDER	1	27A	20-880	+ BOLT	1
12	548577	BACK UP RING CYL CAP	1	27B	180-70	+ NUT	1
13	1545263	HING MECH	2	28	1530442	+ PIN CYLINDER TO DUCKHANK	1
14	1535217	NUT PISTON ROD	1	28A	20-816	+ BOLT	1
14A	1F-863	+ SPLIT PIN	1	28B	180-05	+ NUT	1
15	1546074	SEAL RING OUTER	1				

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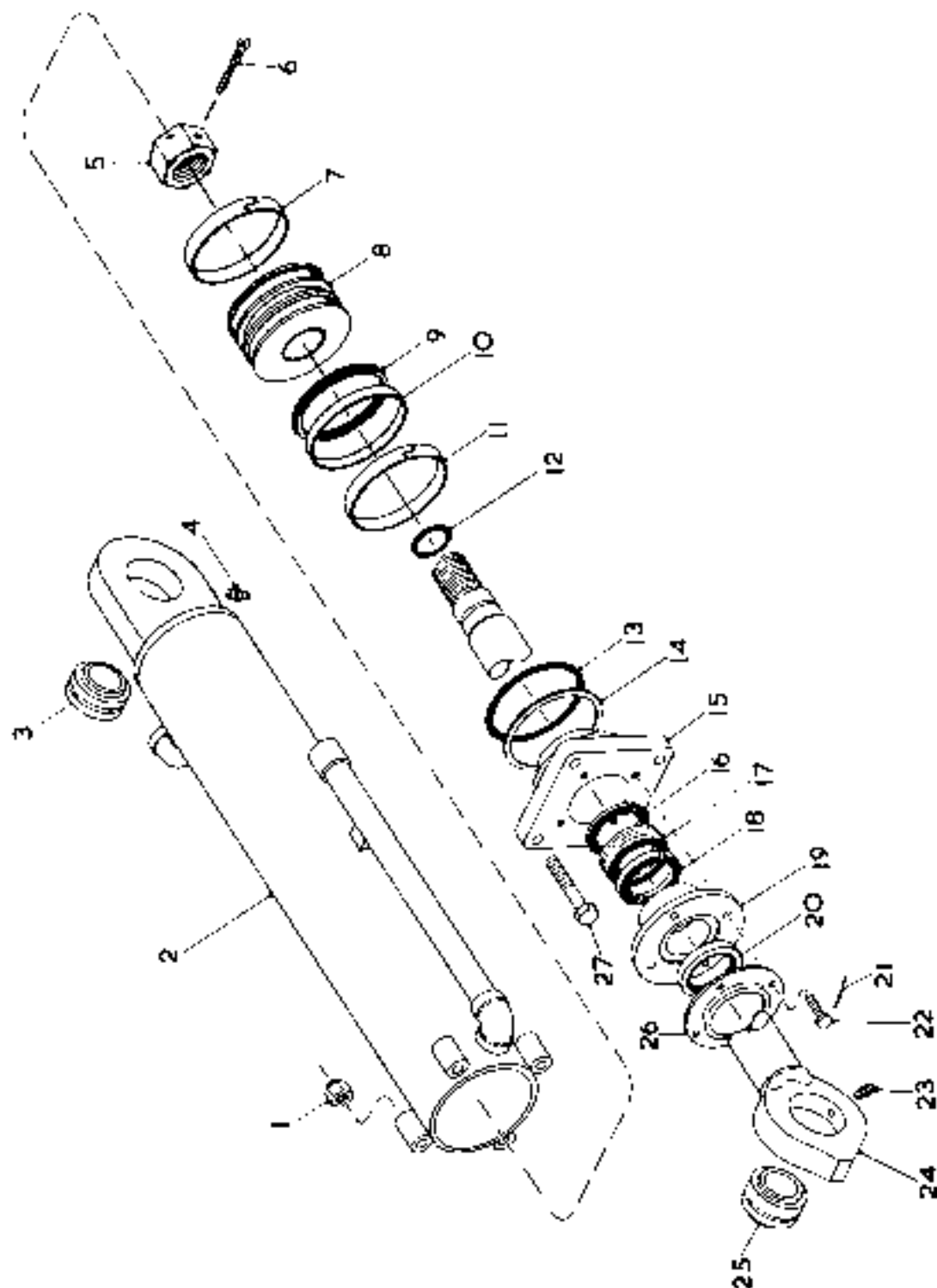
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TP 3121

CYLINDER STEERING

CONSTRUCTION MACHINERY PRODUCTS
CYLINDER-STEERING

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	3253115	CYLINDER ASSEMBLY		15	562315	LAP CYLINDER	1
		SNC 1-3 5-22 24-25	2	16	520400	ADAPTOR BALL	2
		QUANTITIES INDICATED		17	3207889	PACKING CHEVRON	4
		ARE FOR ONE ASSEMBLY		18	3207888	ADAPTOR FEMALE	2
1	180-007	LOCKWIRE	4	19	526451	CLAMP PACKING	1
2	1531545	CYLINDER	1	20	941568	SEAL	1
3	713418	BUSHING	1	21	28H-16200	LOCKWIRE	2
4	11H-15	GREASE FITTING	2	22	40-620	BOLT CLAMP TO CAP	4
5	1503715	NOSE PISTON RING	1	23	11H-15	GREASE FITTING	2
6	18-040	SPLIT PIN	1	24	1531942	NOSE PISTON	1
7	1500264	RING MEAN	1	25	713418	BUSHING	1
8	1503619	PISTON	1	26	512197	RETAINER SEAL	1
9	1503629	RING SEAL INNER	1	27	24C-768	BOLT CAP TO CYLINDER	4
10	1503631	RING SEAL OUTER	1	28	3207887	PACKING ASSY GLAND	
11	1503624	RING WASH	1			JNC 15-15	2
12	25K-40104	G RING	1	29	1506939	4 PIN CYLINDER MOUNTING	2
13	25K-40106	G RING	1	29A	20-854	* BOLT	2
14	332517	RING BACK UP	1	29B	660-08	* NUT	2

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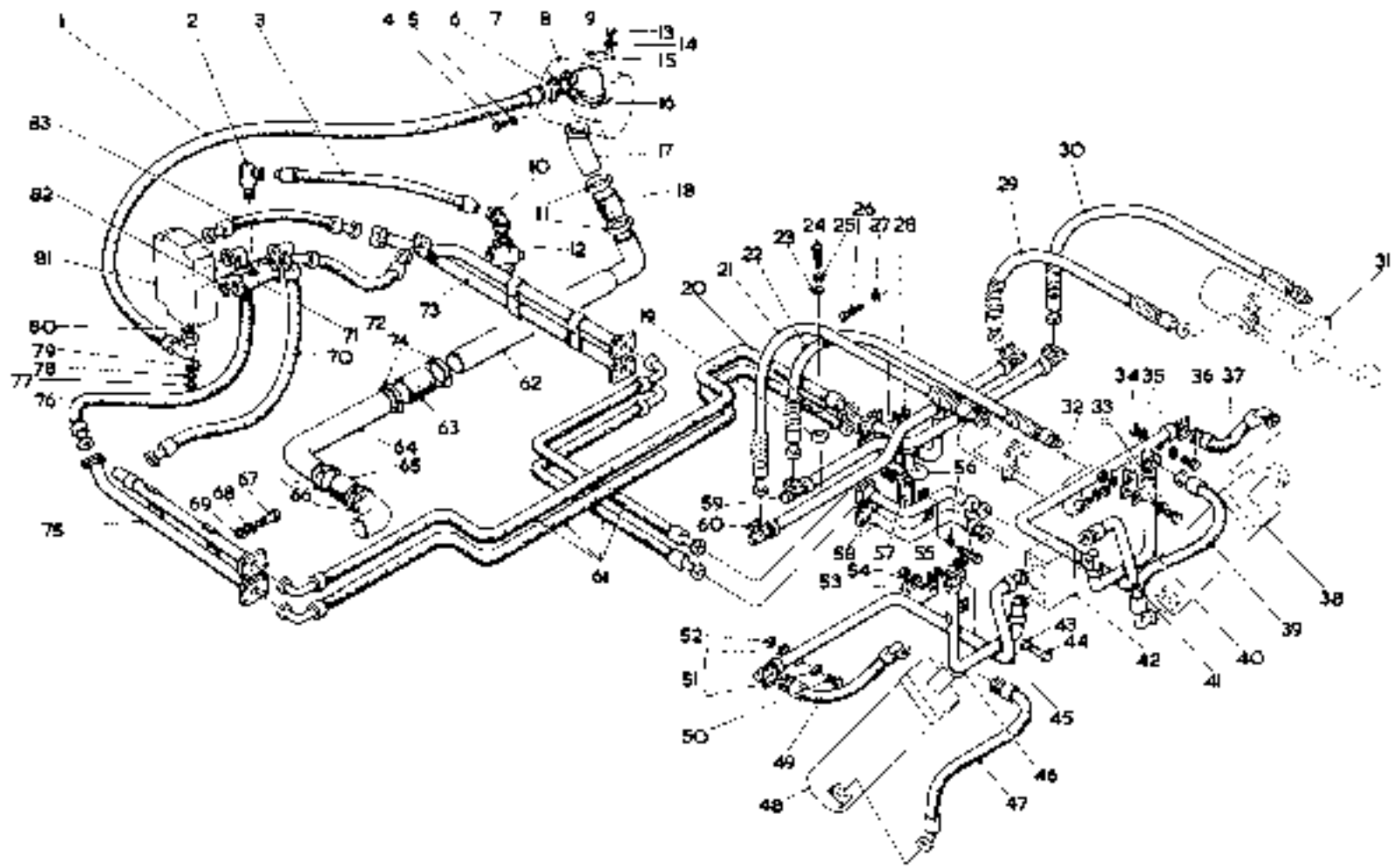
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HYDRAULIC LINES MAIN

TP 3549



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS
HYDRAULIC LINES—MAIN

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1506492	HOSE PUMP TO VALVE	1	290	791533	+ O RING	2
2	31F-5	ADAPTER	1	29C	1C-620	+ BOLT	8
3	554092	NUT	1	29D	4E-06	+ LOCKWASHER	8
4	1C-724	BOLT	4	30	1506855	HOSE TUBE TO CYLINDER	1
5	4E-07	LOCKWASHER	4	30A	663092	+ FLANGE HALF	4
6	663094	FLANGE HALF	2	30B	791533	+ O RING	2
7	1306623	O RING	1	30C	1C-620	+ BOLT	8
8		PUMP MAIN SLE INDEX	1	30D	4E-06	+ LOCKWASHER	8
9	3236164	ELBOW	1	31		CYLINDER BUCKET SEE INDEX	1
10	534894	ADAPTER	1	32		CYLINDER BUCKET SEE INDEX	1
11	3221847	CLAMP NUT	2	33	2C-828	BOLT	1
12		RELIEF VALVE SLE INDEX	1	33A	435682	WASHER	2
13	1C-874	NUT	4	33B	150705	NUT	1
14	4E-08	LOCKWASHER	4	34	150705	NUT	1
15	663095	FLANGE HALF	2	35	435682	WASHER	2
16	1306624	O RING	1	36	2C-828	BOLT	1
17	3235580	CLAMP MOUNTING	1	37	1507645	HOSE TUBE TO CYLINDER	1
17A	663097	+ FLANGE HALF	2	37A	663093	+ FLANGE HALF	4
17B	846851	+ O RING	1	37B	1306622	+ O RING	2
17C	1C-829	+ BOLT	4	37C	1C-620	+ BOLT	8
17D	4E-08	+ LOCKWASHER	4	37D	4E-06	+ LOCKWASHER	8
18	554097	NUT	1	38		CYLINDER MAIN SEE INDEX	1
19	1506856	ADAPTER	2	39	1506947	HOSE TUBE TO CYLINDER	1
20	1502596	CLAMP TUBE MOUNTING	2	39A	663093	+ FLANGE HALF	4
21	1506854	HOSE TUBE TO CYLINDER	1	39B	1306622	+ O RING	2
21A	663092	+ FLANGE HALF	4	39C	1C-620	+ BOLT	8
21B	791533	+ O RING	2	39D	4E-06	+ LOCKWASHER	8
21C	1C-620	+ BOLT	8	40	1502975	TUBE VALVE TO HOSE END	1
21D	4E-06	+ LOCKWASHER	8	40A	663093	+ FLANGE HALF VALVE END	2
22	1506855	HOSE TUBE TO CYLINDER	1	40B	1306622	+ O RING	1
22A	663092	+ FLANGE HALF	4	40C	1C-620	+ BOLT	4
22B	791533	+ O RING	2	40D	4E-06	+ LOCKWASHER	4
22C	1C-620	+ BOLT	8	41	1502981	TUBE VALVE TO HOSE END	1
22D	4E-06	+ LOCKWASHER	8	41A	663093	+ FLANGE HALF VALVE END	2
23	6564T2	WASHER	2	41B	1306622	+ O RING	2
24	1C-624	BOLT	2	41C	1C-620	+ BOLT	4
25	4E-06	LOCKWASHER	2	41D	4E-06	+ LOCKWASHER	4
26	2C-828	BOLT	2	42		VALVE RUN ARROUND	
27	625682	WASHER	2			SLE INDEX	1
28	150705	NUT	2	42A	2C-788	+ BOLT VALVE MOUNTING	2
29	1506854	HOSE TUBE TO CYLINDER	1	42B	150707	+ LOCKNUT	2
29A	663092	+ FLANGE HALF	4				

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EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS
HYDRAULIC LINES—MAIN (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
43	635682	WASHER	1	57	1506155	BRACKET TUBE MOUNTING	1
44	2E-828	BOLT	1	58	1502976	TUBE HOSE TO VALVE	1
45	1502983	TUBE VALVE TO HOSE RM	1	58A	663093	+ FLANGE HALF VALVE END	2
45A	663093	+ FLANGE HALF VALVE END	2	58B	1306622	+ O RING	1
45B	1306622	+ O RING	1	59	1E-620	+ BOLT	4
45C	1E-620	+ BOLT	4	59D	4E-06	+ LOCKWASHER	4
45D	4E-06	+ LOCKWASHER	4	59	1502990	FLSE	1
46	1502976	TUBE VALVE TO HOSE LN	1	59A	663093	+ FLANGE HALF	2
46A	663093	+ FLANGE HALF VALVE END	2	59B	1306622	+ O RING	1
46B	1306622	+ O RING	1	59C	1E-620	+ BOLT	4
46C	1E-620	+ BOLT	4	59D	4E-06	+ LOCKWASHER	4
46D	4E-06	+ LOCKWASHER	4	60	1502983	TUBE	1
47	1506147	HOSE TUBE TO CYLINDER	1	60A	663093	+ FLANGE HALF	2
47A	663093	+ FLANGE HALF	4	60B	1306622	+ O RING	1
47B	1306622	+ O RING	2	60C	1E-620	+ BOLT	4
47C	1E-620	+ BOLT	4	60D	4E-06	+ LOCKWASHER	4
47D	4E-06	+ LOCKWASHER	8	61	1506148	HOSE TUBE TO TUBE	4
48		CYLINDER BOOM SEE INDEX	1	61A	663093	+ FLANGE HALF	16
49	1502645	HOSE TUBE TO CYLINDER	1	61B	1306622	+ O RING	8
49A	663093	+ FLANGE HALF	4	61C	1E-620	+ BOLT	32
49B	1306622	+ O RING	2	61D	4E-06	+ LOCKWASHER	32
49C	1E-620	+ BOLT	8	62	1506147	TUBE SECTION	1
49D	4E-06	+ LOCKWASHER	2	63	533139	HOSE	1
50	1E-620	BOLT	1	64	1506253	TUBE SECTION	1
51	635682	WASHER	1	65	533139	HOSE	1
52	1E-06	NUT	1	66	1721696	CLAMP HOSE	2
53	1506147	BRACKET TUBE MOUNTING	2	67	2E-620	BOLT TUBE MOUNTING	4
54	18D-08	NUT	1	68	4E-08	LOCKWASHER	4
54A	635682	WASHER	1	69	635682	WASHER	4
55	2E-620	BOLT	2	70	1506147	HOSE TUBE TO VALVE	1
55A	4E-06	LOCKWASHER	2	70A	663093	+ FLANGE HALF	4
55B	635682	WASHER	1	70B	1306622	+ O RING	2
56	2E-620	BOLT	3	70C	1E-620	+ BOLT	6
56A	635682	WASHER	3	70D	4E-06	+ LOCKWASHER	6
56B	18D-08	NUT	3				

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CONSTRUCTION MACHINERY PRODUCTS
HYDRAULIC LINES—MAIN (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
71	1309155	TEE HOSE TO VALVE	1	76C	1C-620	+ BOLT	2
71A	1C-624	+ BOLT TEE TO VALVE	4	76D	4E-06	+ LOCKWASHER	4
71B	4E-06	+ LOCKWASHER	4	77	1C-620	BOLT	4
72	1537313	HOSE JEL TO TUBE	1	78	4E-06	LOCKWASHER	4
72A	663093	+ FLANGE HALF	4	79	663093	FLANGE HALF	4
72B	1306622	+ O RING	2	80	1306622	O RING	2
72C	1C-620	+ BOLT	8	81		VALVE MAIN SET INDEX	1
72D	4E-06	+ LOCKWASHER	8	82	1306622	O RING	2
73	1309153	TUBE ASSY	1	83	1536556	HOSE VALVE TO TUBE	1
74	3221848	CLAMP HOUL	2	83A	663093	+ FLANGE HALF	4
75	1531937	TUBE ASSY	4	84U	1306622	+ O RING	2
76	507671	HOSE VALVE TO TUBE	1	83C	1C-620	+ BOLT	8
76A	663093	+ FLANGE HALF	4	85U	4E-06	+ LOCKWASHER	8
76B	1306622	+ O RING	2				

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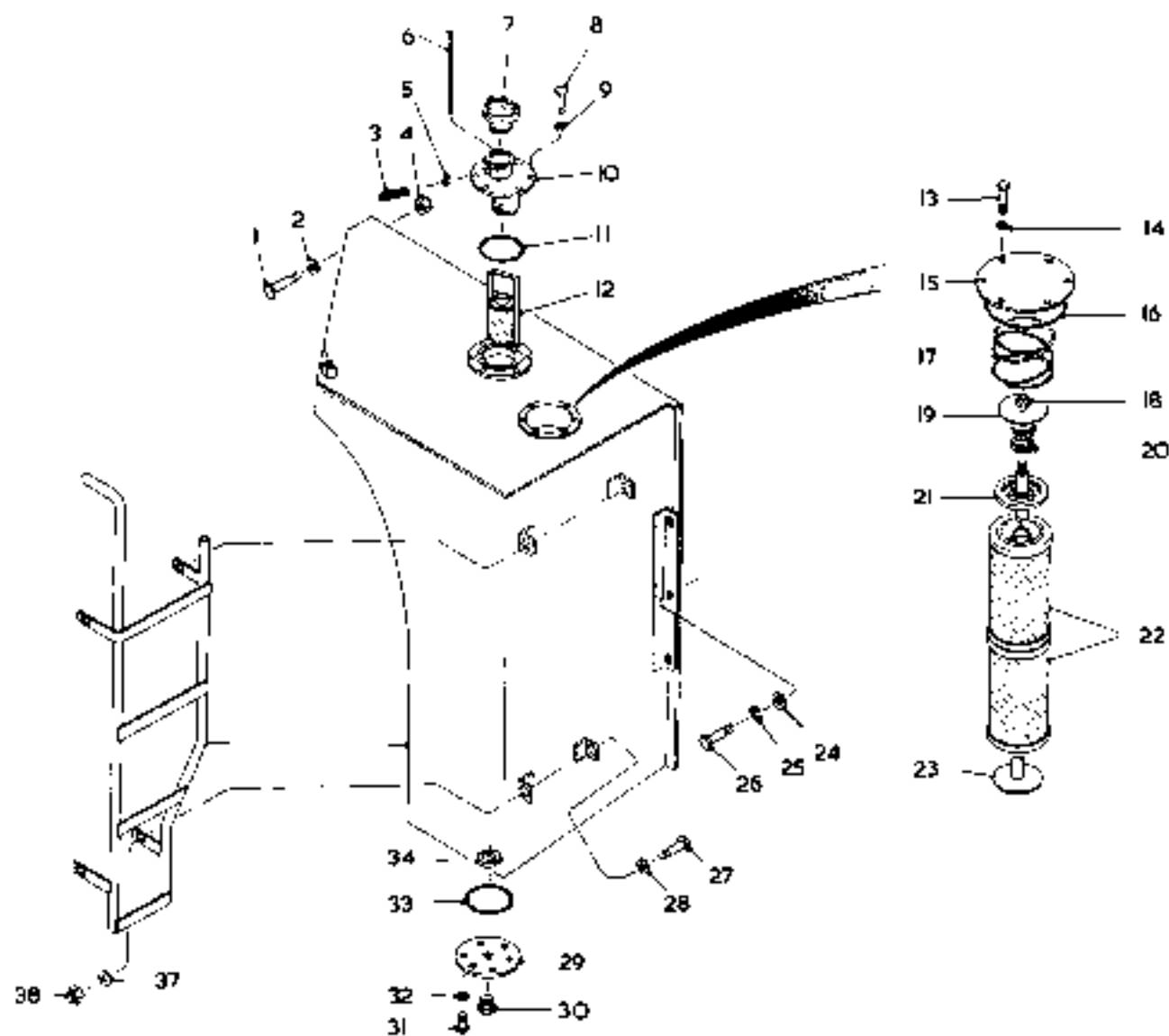
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RESERVOIR - HYDRAULIC

TP3559

CONSTRUCTION MACHINERY PRODUCTS

RESERVOIR-HYDRAULIC

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	24C-1032	BOLT RESERVOIR MOUNTING	1	20	15-51190	SPRING	1
2	616800	WASHER	1	21	1529079	ALUMINUM	1
3	743561	NUTS	4	22	945989	CARTRIDGE KIT	1
4	100-10	LOCKWASHER	1	23	1529702	ROD	1
5	3220663	LAMP HOSE	1	24	616800	WASHER	5
6	1521875	WIPSTICK	1	25	4E-10	LOCKWASHER	5
7	554043	CAP FILLER	2	26	2C-1024	BOLT RESERVOIR TO FRAME	5
8	2C-012	BOLT FILLER NUT	6	27	2C-020	BOLT STRIP TO RESERVOIR	4
9	4E-06	LOCKWASHER	6	28	019029	WASHER	4
10	507747	NUT FILLER	1	29	527613	FLATE COVER	1
11	254-40024	O RING	1	30	40K-16	PLUG	1
12	1532445	FILTER SUCTION	1	31	2C-012	BOLT COVER PLATE	6
13	2C-014	BOLT COVER PLATE	6	32	4E-06	LOCKWASHER	6
14	4E-06	LOCKWASHER	6	33	25K-40028	O RING	1
15	3234665	COVER PLATE	1	34	525293	MAGNET	1
15A	112-004	4 PLUG	1	35	1531600	RESERVOIR ASSEMBLY	1
16	25K-40003	O RING	1	36	1531593	SEAL KIT	1
17	1503734	SPRING	1	37	619629	WASHER	4
18	100-06	LOCKWASHER	1	38	100-08	LOCKWASHER	4
19	1529704	WASHER	1				

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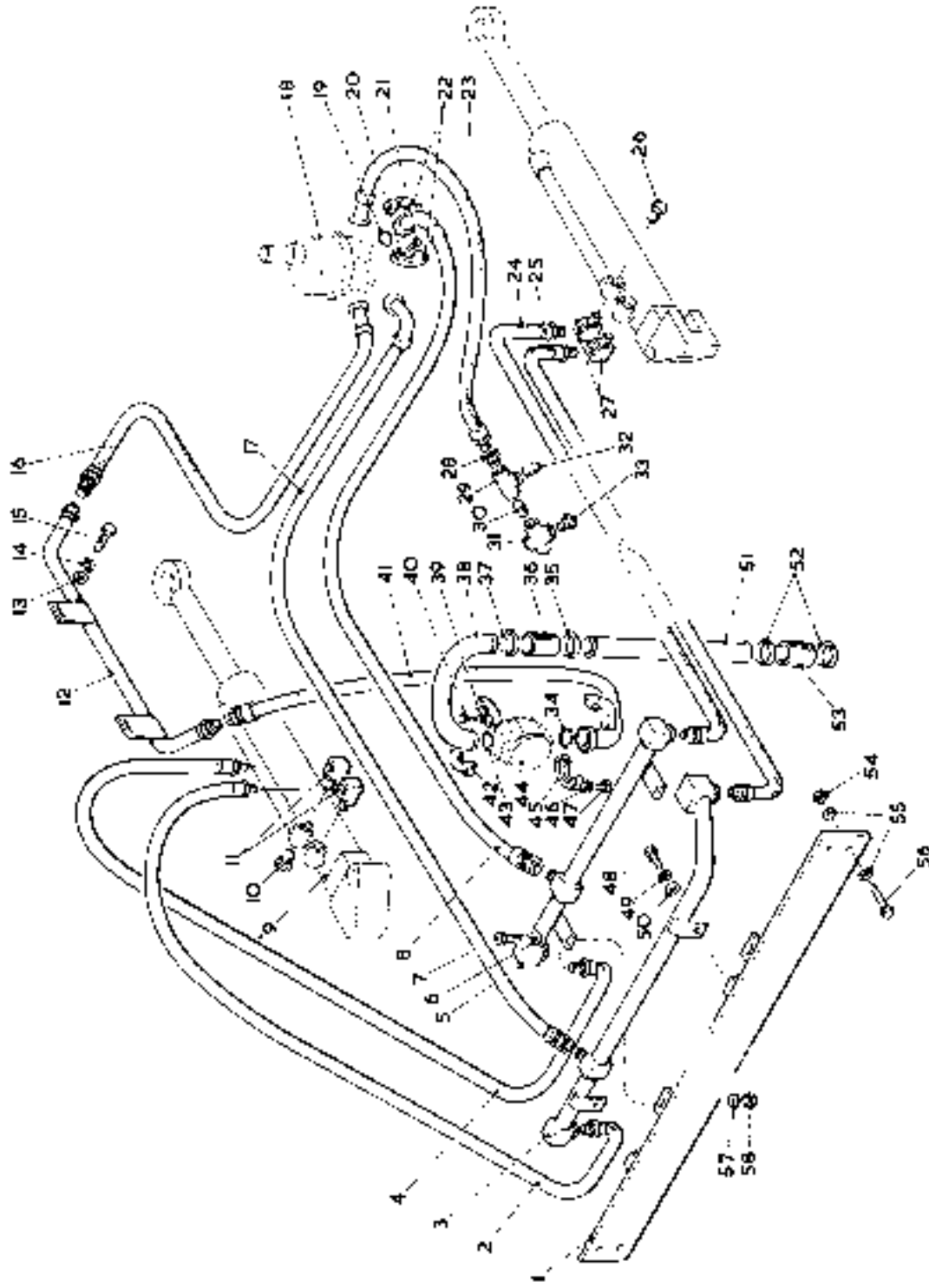
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TP 3535

HYDRAULIC LINES-STEERING

CONSTRUCTION MACHINERY PRODUCTS
HYDRAULIC LINES-STEERING

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1538288	PLATE TUBE MOUNTING	1	29	18F-3	TEE	1
2	810V15	HOSE TUBE TO CYLINDER	1	30	5A-811	WIPPLE	1
3	1531928	TUBE ASSEMBLY	1	31		RELIEF VALVE SEE INDEX	1
4	1531929	HOSE TUBE TO CYLINDER	1	32	5A-824	WIPPLE	1
5	15382M4	TUBE BODY	1	33	24A-7	PLUG	1
6	656672	WASHER	2	34	1340020	O RING	1
7	2C-824	BOLT TUBE TO PLATE	2	35	540130	CLAMP HOSE	1
8	1541431	HOSE TUBE TO VALVE	1	36	585883	HOSE	1
9		CYLINDER STEERING		37	540130	CLAMP HOSE	1
		SEE INDEX	2	38	3235776	STEER ASSY PUMP TO HOSE	1
10	40K-08	PLUG	2	39	4E-08	LOCKWASHER	4
11	25F-3	ELBOW HOSE TO CYLINDER	2	40	14-824	WHEEL	4
11A	81F-3	ELBOW HOSE TO ELBOW	1	41	1538257	HOSE PUMP TO TUBE	1
12	1538252	TUBE HOSE TO HOSE	1	42	663095	FLANGE HALF	2
13	656672	WASHER	2	43	1300624	O RING	1
14	4E-08	LOCKWASHER	2	44		PUMP STEERING SEE INDEX	1
15	2C-820	BOLT TUBE MOUNTING	2	45	663094	FLANGE HALF	2
16	1538254	HOSE TUBE TO VALVE	1	46	4E-07	LOCKWASHER	4
17	1538256	HOSE TUBE TO VALVE	1	47	1C-724	BOLT	4
18		STEERING SHAFT ASSEMBLY		48	2C-820	BOLT TUBE TO PLATE	2
		SEE INDEX	1	49	4E-06	LOCKWASHER	2
19	1300622	O RING	4	50	656672	WASHER	2
20	4E-04	LOCKWASHER	16	51	1506256	TUBE SUBJION	1
21	1C-820	BOLT	16	52	540130	CLAMP HOSE	1
22	663093	FLANGE HALF	8	53	585883	HOSE	1
23	1528177	HOSE VALVE TO TANK	1	54	180-08	LOCKNUT	4
24	604017	HOSE TUBE TO CYLINDER	1	55	656672	WASHER	8
25	610575	HOSE TUBE TO CYLINDER	1	56	2C-826	BOLT PLATE TO FRAME	4
26	40K-08	PLUG	4	57	656672	WASHER	2
27	81F-3	ELBOW HOSE TO CYLINDER	2	58	180-08	LOCKNUT	2
28	30F-5	ADAPTOR	1				

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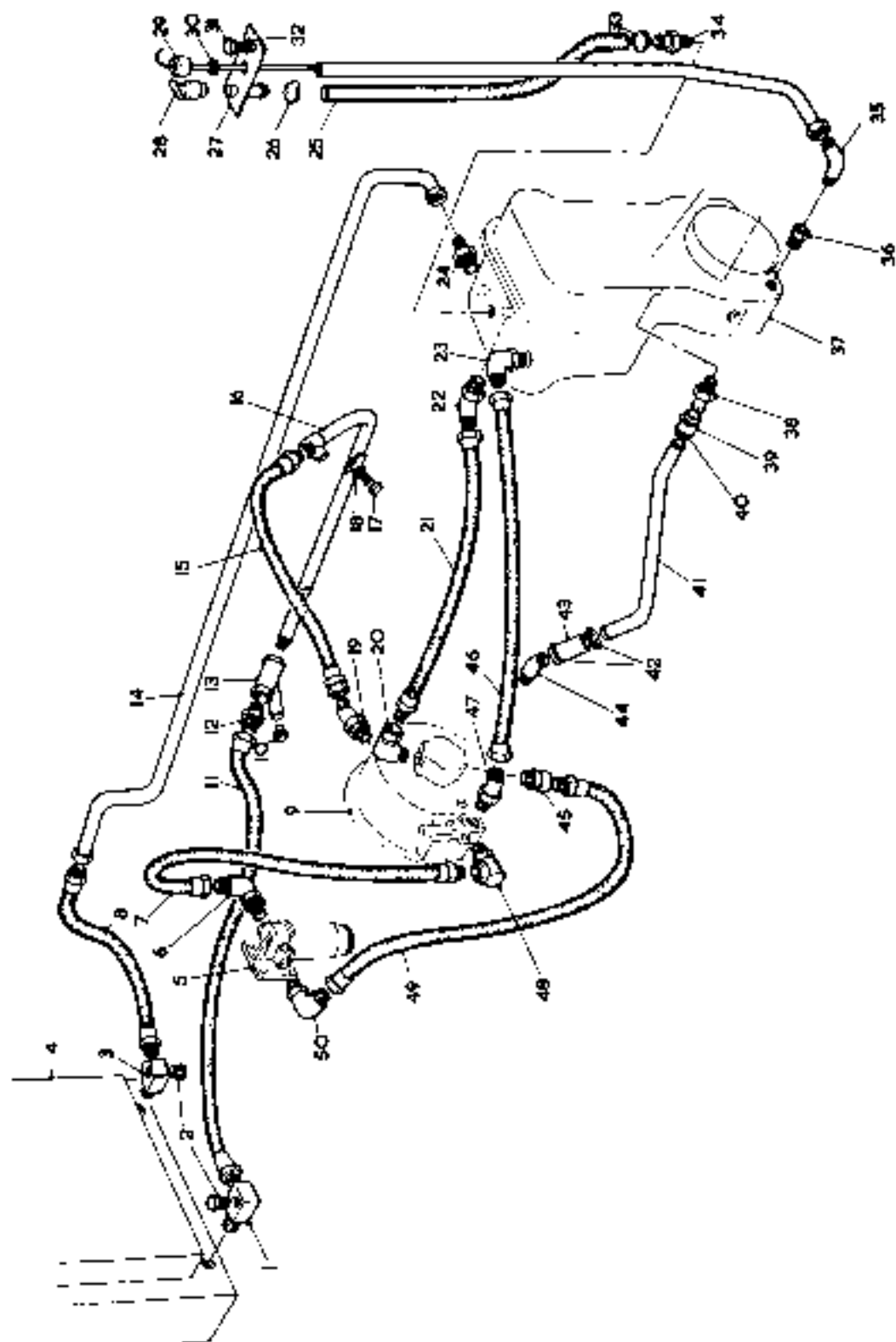
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TP3567

HYDRAULIC LINES TRANSMISSION

CONSTRUCTION MACHINERY PRODUCTS
HYDRAULIC LINES—TRANSMISSION

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1525548	ELBOW	1	25A	91F=6	* O RING	1
2	40K=07	PLUG	4	26	15K=8	ADAPTOR INC 24A	1
3	1525544	ELBOW	1	26A	91F=6	* O RING	1
4		RADIATOR SEE INDEX	1	27	1541400	HOSE	1
5	5730851	FILTER INC 5A	1	28	540103	CLAMP HOSE	1
34	3290500	+ ELEMENT	1	27	505807	FILTER PLATE	1
58	20=028	BOLT FILTER MOUNTING	4	28	505824	PLUG	1
5C	180=05	+ NUT	4	29	1504038	DEPSTOCK	1
5D	023	+ WASHER	4	30	505840	GRIMMET	1
6	17A=8	ADAPTOR INC 5A	1	31	10=010	BOLT	2
6A	91F=8	* O RING	1	32	41=06	LOCKWASHER	2
7	1531417	HOSE FILTER TO CONVERTER	1	33	540103	CLAMP HOSE	1
8	1531401	HOSE RADIATOR TO TUBE	1	34	507209	RIPPLE HOSE	1
9		TORQUE CONVERTER ASSY		35	031=6	ELBOW	1
9		SEE INDEX	1	36	150518	NEWULING BUSHING	1
10	40K=06	PLUG	1	37		TRANSMISSION SEE INDEX	1
11	1521042	HOSE RADIATOR TO STRAINER	1	38	607289	RIPPLE HOSE	1
12	89F=8	CONNECTOR	1	39	520979	HOSE	1
13	1532819	STRAINER INC 13A	1	40	540103	CLAMP HOSE	2
13A	444943	+ SCREEN STRAINER	1	41	1505284	TUBE HOSE TO HOSE	1
14	3235601	TUBE HOSE TO TRANSMISSION	1	42	540103	CLAMP HOSE	2
15	1531419	HOSE TUBE TO CONVERTER	1	43	524574	HOSE	1
16	5730304	TUBE HOSE TO HOSE	1	44	606846	RIPPLE HOSE	1
17	20=020	BOLT	2	45	30F=6	ADAPTOR	1
18	619024	WASHER	2	46	1540074	HOSE	1
18A	41=06	+ LOCKWASHER	2	47	18A=6	ADAPTOR INC 47A	1
19	10K=8	ADAPTOR	1	47A	91F=6	* O RING	1
20	31F=6	ADAPTOR	1	48	520576	ADAPTOR	1
21	518706	HOSE	1	49	1506892	HOSE FILTER TO CONVERTER	1
22	17A=10	ELBOW INC 22A	1	50	17A=8	ELBOW INC 50A	1
22A	91F=10	* O RING	1	50A	91F=8	* O RING	1
23	17K=6	ELBOW	1				

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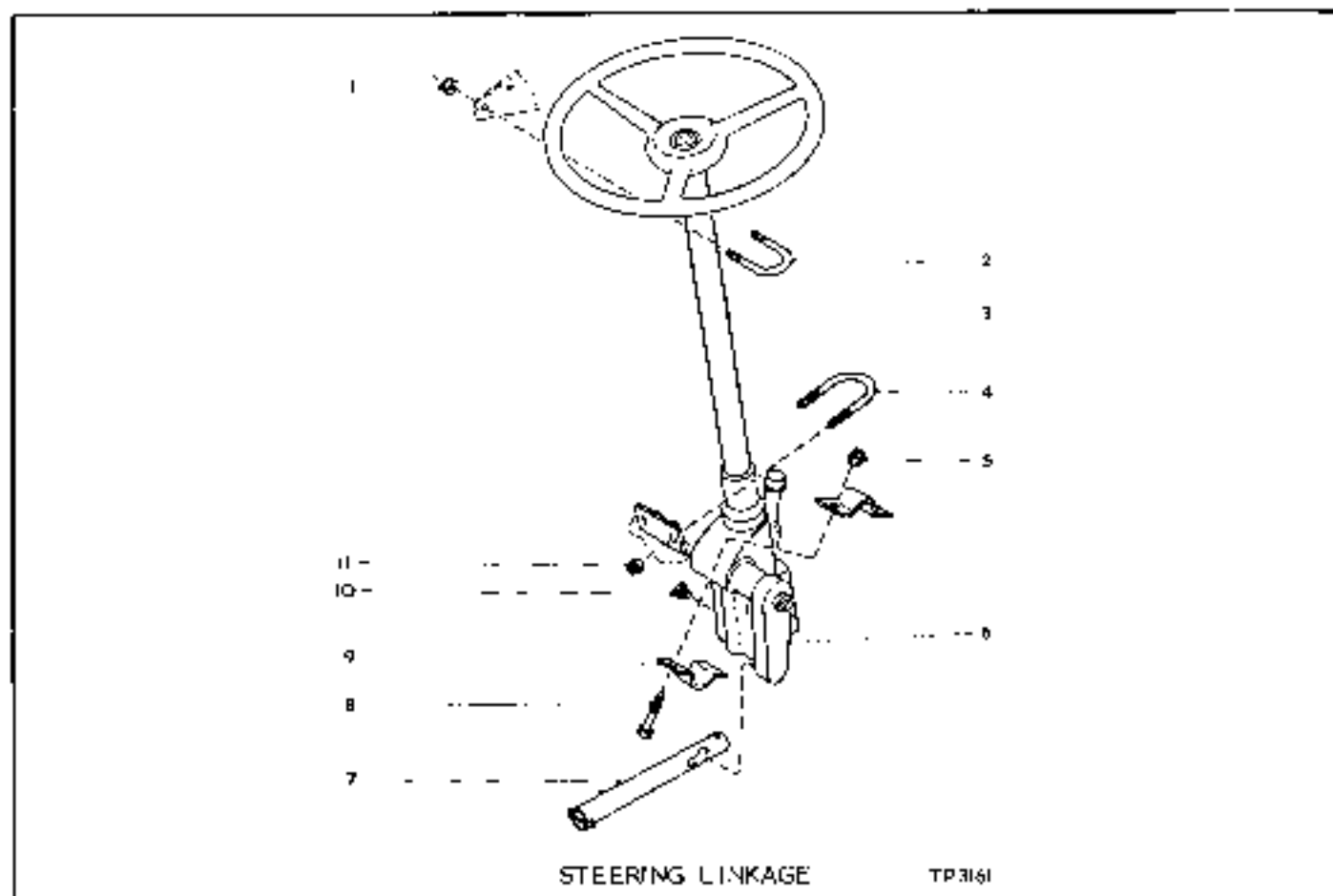
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	180-08	LOCKNUT	2	7		DRAG LINK SET INDEX	1
2	571941	U BOLT STEERING COLUMN	1	8	20-836	BOLT CLAMP TO BRACKET	2
3		WORM STEERING SEE INDEX	1	9	550046	WORM STEERING GEAR	1
4	540541	U BOLT STEERING GEAR	1	10	40K-02	PIN	1
5	180-08	LOCKNUT	2	11	180-08	LOCKNUT	2
6	1523481	WORM ARM ASSEMBLY	1				

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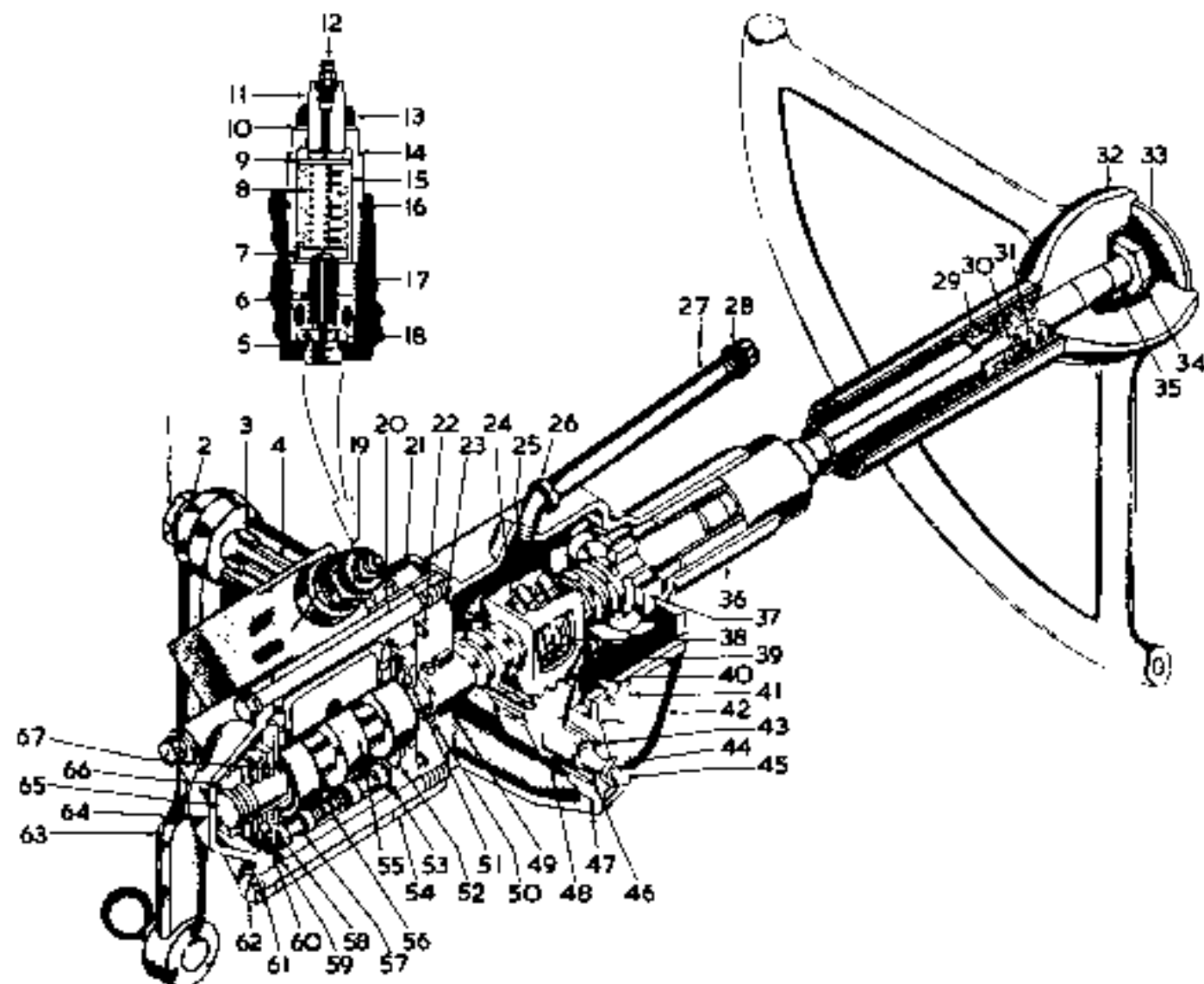
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STEERING GEAR ASSEMBLY

TP 3429

CONSTRUCTION MACHINERY PRODUCTS
STEERING GEAR ASSEMBLY

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1526890	STEERING GEAR INCL 1-312		33	54074	PLATE UPDATING INSTR	1
		34-62844-07	1	33A	656-438	* SCREW PLATE ATTACHING	4
1	850756	NUT PITMAN ARM	1	34	848334	WHL STEERING WHEEL	1
2	46-15	WASHER	1	35	053384	KEY STEERING WHEEL	1
3	853341	SEAL WREASE PITMAN SHAFT	1	36	546138	HOUSING BODY 1" 1 4,32	1
4	653367	BUSHING PITMAN SHAFT	1	37	730145	WASHER NUT	1
5	91F-6	U KING	1	38	100-09	BALL	106
6	946601	PLUNGER RELIEF VALVE	1	38A	853526	* WEDGE BALL RETURN	4
7	946603	WASHER RELIEF VALVE	1	39	453-23	NUT BALL	1
8	946606	SPRING RELIEF VALVE-INNER	1	40	46-06	LOCKWASHER SEED COVER	3
9	946605	SEAL SPRING	1	41	10-612	SEAL SIDE COVER	3
10	946606	WASHER	1	42	853182	COVER HOUSING SIDE INCL 46	1
11	946603	SEAL ADJUSTING	1	43	851181	WHL KEY LASH ADJUSTOR	1
12	946602	SEAL BULBULAR	1	44	80-07	NUT LASH ADJUSTOR	1
13	660-12	NUT ADJUSTING SCREW	1	45	851730	ADJUSTOR LASH	1
14	946607	HOUSING RELIEF VALVE	1	46		* BUSHING SIDE COVER SEE 42	
15	946607	SPRING RELIEF VALVE-CUTER	1	47	851756	WASHER SIDE COVER	1
16	25K-60108	U KING	1	48	940113	GEAR PITMAN SHAFT	1
17	946608	GUIDE PLUNGER	1	49	061741	BEARING ADAPTER	1
18	946609	SEAT PLUNGER	1	50	25K-60108	U KING ADAPTER	1
19	946634	VALVE RELIEF INCL 3-18,354		51	860997	BEARING WASH THROST	1
		54-57	1	52	946634	WASHER WASH THROST	1
20	T5G-728	BOLT ADAPTER TO HOUSING	4	53	1306626	U KING VALVE TO SPACE	1
20A	46-07	* LOCKWASHER	4	54	946197	SPACER VALVE	1
21	946196	ADAPTER VALVE TO HOUSING		55		* SPACER VALVE SLE 19	1
		INCL 45,50	1	56	946195	SPRING CENTERING	4
22	886851	U KING SPACER TO ADAPTER	1	57	946192	PLUNGER	4
23	853380	WASHER ADAPTER	1	58	946438	WASHER BEARING THROST	1
24	451702	BOLT & WASHER ASSY CLAMP	3	59	1306626	U KING END COVER	1
25	853527	CLAMP BALL RETURN GUIDE	1	60	860997	BEARING WASH THROST	1
26	25F-4	CLAMP FILLER	1	61	36-09	LOCKWASHER END CLAMP	4
27	5K-432	PIPE FILLER	1	62	946148	BOLT END COVER	4
28	22F-4	CLAMP FILLER PIPE	1	63	1525483	ARM PITMAN	1
29	853729	BEARING UPPER	1	64	946602	COVER STEERING SHAFT END	1
30	801768	WASHER UPPER BEARING	1	65	946637	SHAFT BODY INCL 24,25,38	
31	353395	SPRING UPPER BEARING	1			35A,39	1
32	528331	WHEEL STEERING	1	66	813250	NUT WASH BEARING	1
				67	25K-60114	U KING	1

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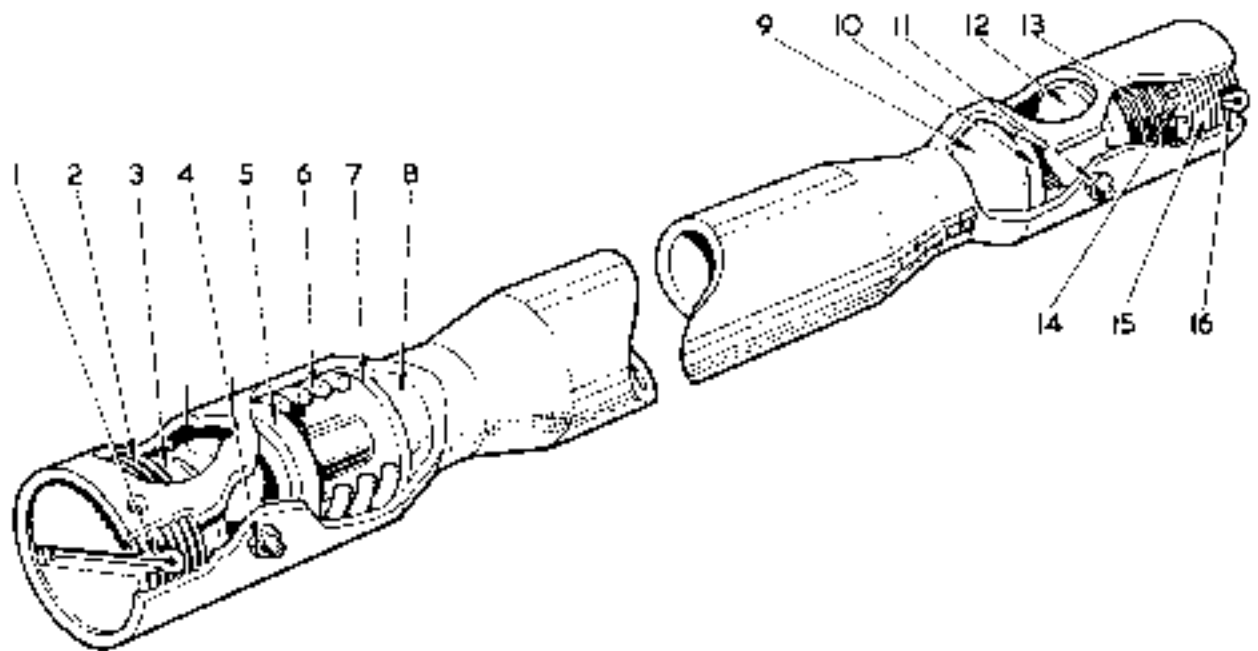
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STEERING DRAG LINK

TP1114

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
4	508270	DRAG LINK ASSY INC 2x9 S=10, 12=15	1	8		UNIT	
1	1F-432	PIB CLUTCH	2	9		UNIT	
2	940604	PLUG ADJUSTING	2	10	940015	SEAT BALL STUD	1
3	940015	SEAT BALL STUD	1	11	1011-25	FILLING GREASE	1
4	12H=15	FILLING GREASE	1	12	940015	SEAT BALL STUD	1
5	940015	SEAT BALL STUD	1	13	940605	SPRING	1
6	940605	SPRING	1	14	5029108	PIB SAFETY	1
7	5029108	PIB SAFETY	1	15	940604	PLUG ADJUSTING	2
				16	1F-432	PIB CLUTCH	1

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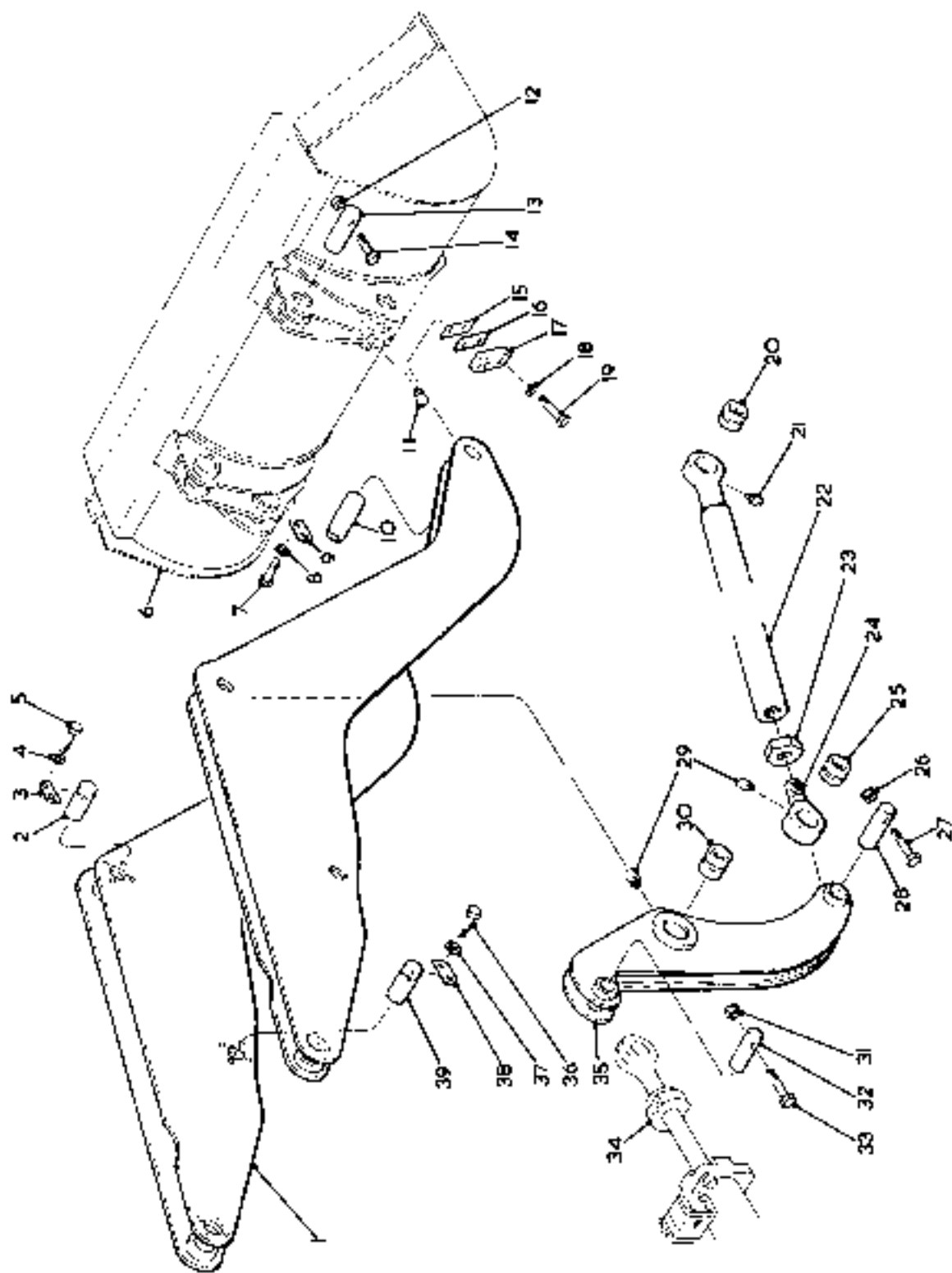
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TP3454

FRONT END EQUIPMENT



CONSTRUCTION MACHINERY PRODUCTS

FRONT END EQUIPMENT

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1530636	NUD. ASSEMBLY	1	21	10H-25	GREASE FITTING	2
2	1530623	PIN BELLCRANK TO BUSH	2	22	213L43B	PUSHED PIN PD	2
3	508292	LINKPLATE	4	23	505963	NUT JAM	4
4	40-30	LOCKWASHER	4	24	570151	EYE PLATE ADJUSTING	
5	20-1024	BOLT	6			JAC. PL	2
6		BULKET SEE INDEX	1	25	506790	BUSHING	4
7	20-820	NUT	4	26	10C-08	NUT	2
8	40-00	LOCKWASHER	6	27	20-820	NUT	4
9	508259	LINKPLATE	4	28	153044	PIN PUSHED TO BELLCRANK	4
10	1530623	PIN BUSH TO BULKET	2	29	10H-25	GREASE FITTING	4
10A	20-750J	SPACER BUSH TO BUSH	4R	30	150695B	BUSHING	2
11	10H-25	GREASE FITTING BULKET	2	31	10C-08	NUT	4
12	10C-08	NUT	2	32	1530442	PIN CYLINDER TO BELLCRANK	2
13	1530441	PIN PUSHED TO BUCKET	2	33	20-820	NUT	2
14	20-820	BOLT	2	34		CYLINDER BULKET SEE INDEX	4
15	1503591	SPACER BULKET STOP 10025	4R	35	1530450	BELLCRANK ASSEMBLY	2
16	1503592	SPACER BULKET STOP 1125	4R	35A	1531450	WASHER BELLCRANK TO BUSH	4R
17	1503594	STOP BULKET	2	36	20-1024	BOLT	4
18	40-30	LOCKWASHER	4	37	40-30	LOCKWASHER	4
19	20-832	BOLT STOP TO BULKET	4	38	500594	LINKPLATE	2
20	506790	BUSHING	4	39	1530597	PIN BUSH TO CYLINDER	2

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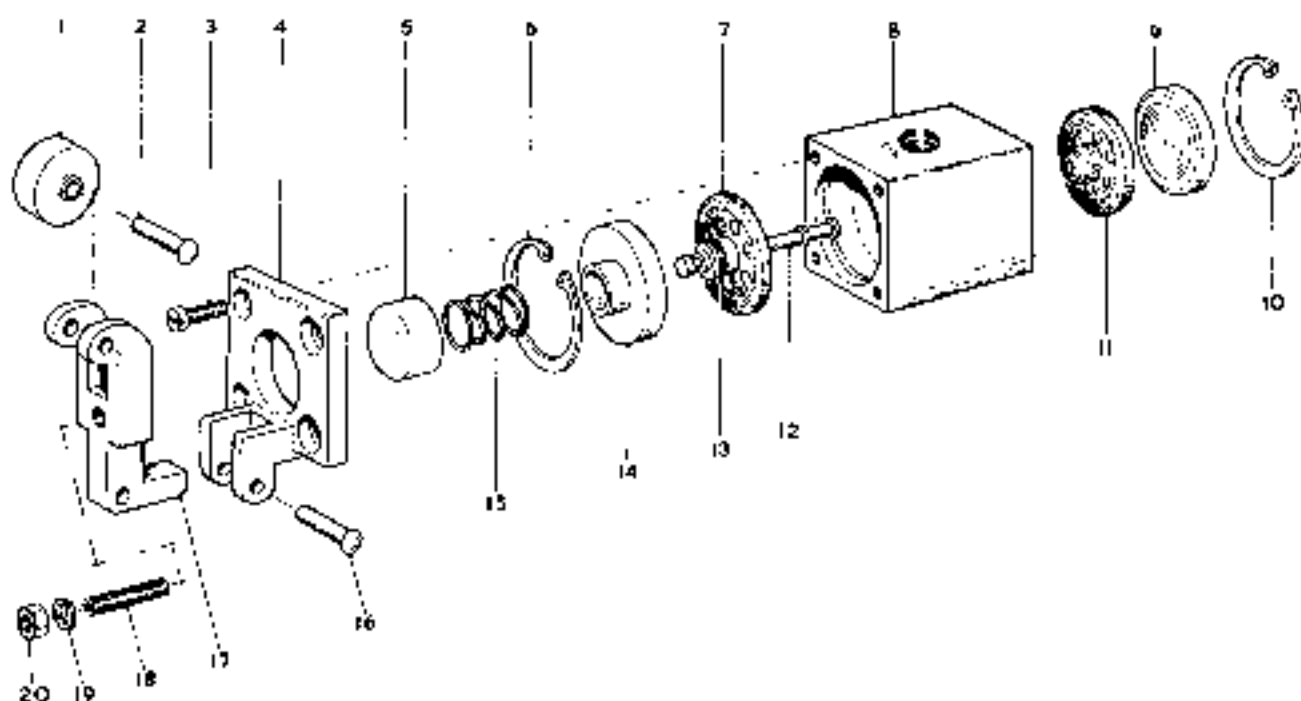
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BUCKET LEVELLER VALVE

TP 3158

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	559784	VALVE ASSY INC 1-20	1	13	25A-20012	W RING	1
2	947174	ROLLER	1	14	947225	CAP	1
2	947174	PIN PIVOT	1	15	889242	SPRING	1
3	420-1008	SCRAPER BRACKET	4	16	947179	PIN PIVOT	1
4	947176	BRACKET COVER	1	17	947175	LEVER	1
5	947177	PISTON ASSY INC 15	1	18	150-416	SCRAPER ADJUSTING	1
6	1303319	RING SNAP	1	19	45-04	LOCKWASHER	1
7	889245	DIAPHRAGM	1	20	10-04	NUT	1
8		DIAPHRAGM	1	21	847067	4 KIL REPAIR INC 5, 7, 11-13 & 15	1
9	947226	CAP	1	22	20-1010	4 SLIPER VALVE MOUNTING	4
14	1503319	RING SNAP	1	22A	121-10	4 LOCKWASHER	4
11	859239	DIAPHRAGM	1				
12	947165	BUTTON & STEM ASSEMBLY INC 5 & 15	1				

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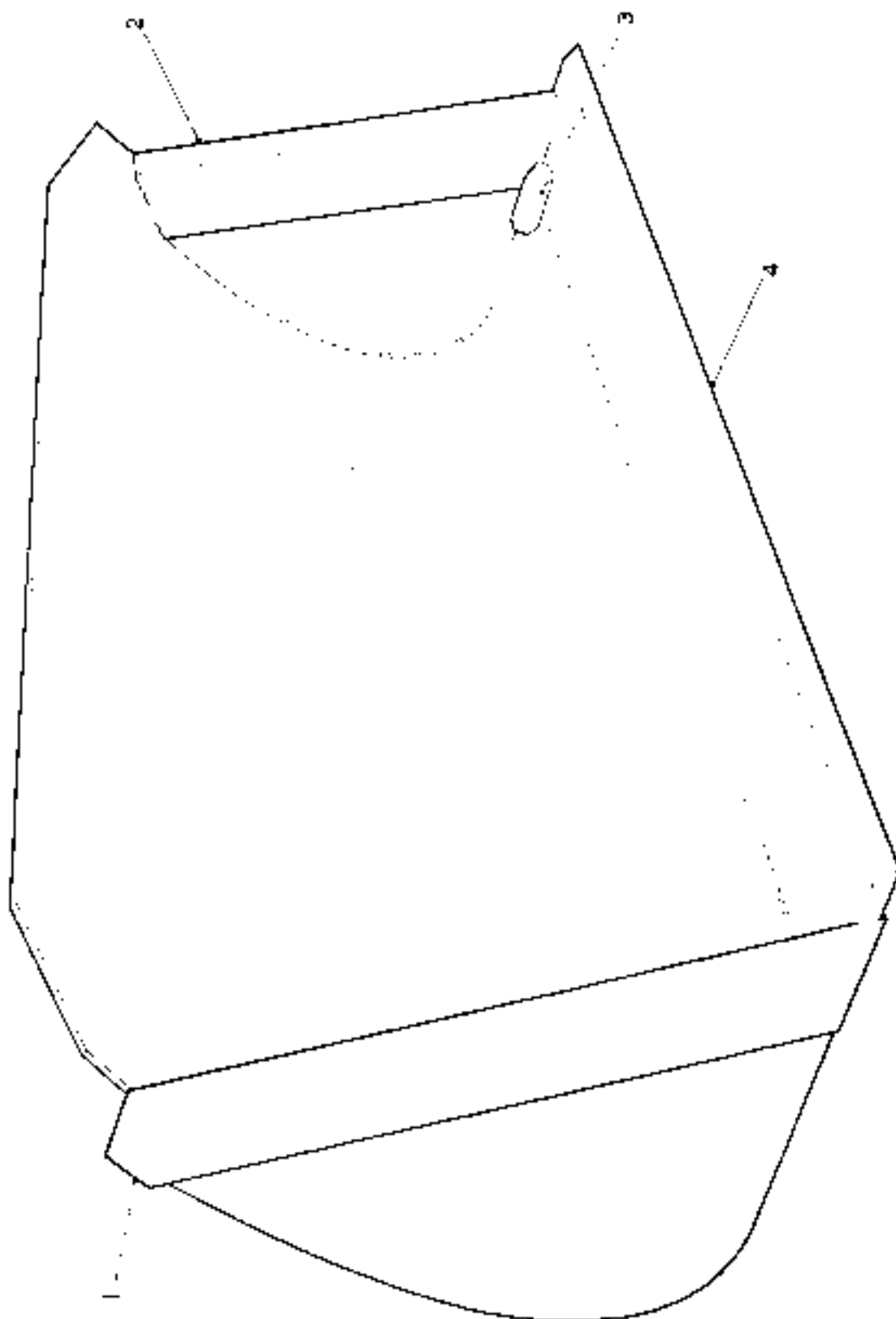
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TP3586

BUCKET ASSEMBLY





EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

BUCKET ASSEMBLY-DATA

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
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BUCKET 3 CUBIC YARDS (2294 LITRES)

A	1501047	BUCKET 3 CUBIC YARDS		2	1504443	CUTTING EDGE LH	1
		(2294 LITRES) INC 1-4	1	3	1506010	CUSSET CORNER	2
		REF-PL 1503036		4	1500736	CUTTING EDGE MAIN	1
J	1506484	CUTTING EDGE RH	1				

BUCKET 3.5 CUBIC YARDS (2676 LITRES)

A	1503141	BUCKET 3.5 CUBIC YARDS		2	1500493	CUTTING EDGE LH	1
		(2676 LITRES) INC 1-4	1	3	1506066	CUSSET CORNER	2
		REF-PL 1503130		4	1500751	CUTTING EDGE MAIN	1
J	1506494	CUTTING EDGE RH	1				

BUCKET 4 CUBIC YARDS (3058 LITRES)

A	1503760	BUCKET 4 CUBIC YARDS		2	1507346	CUTTING EDGE LH	1
		(3058 LITRES) INC 1-4	1	3	1506066	CUSSET CORNER	2
		REF-PL 1503760		4	1500751	CUTTING EDGE MAIN	1
J	1507346	CUTTING EDGE RH	1				

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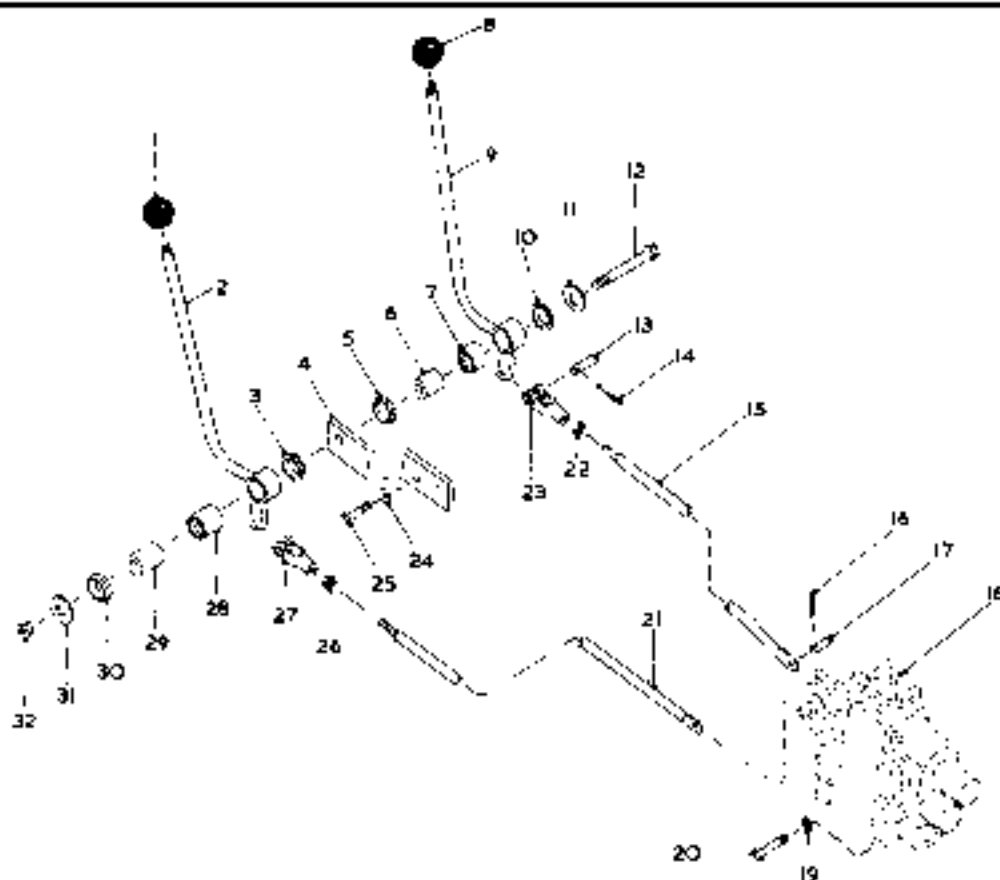
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CONTROLS FRONT END EQUIPMENT

TP 3557

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	565389	KNOB	1	17	4F-08127	CLEVIS PIN	2
2	1508478	LEVER HOOD CONTROL	1	18		CONTROL VALVE SET INDEX	1
3	1522535	SEAL	1	19	4E-08	LOCKWASHER	3
4	1531554	BRACKET, LEVER MOUNTING	1	20	2C-664	BOLT VALVE MOUNTING	3
5	1502545	SEAL	1	21	1531555	ROD BUSH CONTROL	1
6	1503251	SOLENOID	1			INC 26 & 27	1
7	675227	BEARING	1	22	6D-08	NUT CLEVIS	1
8	565359	KNOB	1	23	2J-8300	CLEVIS	1
9	1508479	LEVER BUCKET CONTROL	1	24	4E-06	LOCKWASHER	2
10	1522535	SEAL	1	25	2C-024	BOLT BRACKET MOUNTING	2
11	565505	WASHER LEVER MOUNTING	1	26	8D-05	NUT CLEVIS	1
12	2C-680	BOLT LEVER MOUNTING	1	27	2J-8300	CLEVIS	1
13	4F-08127	CLEVIS PIN	2	28	675227	BEARING	1
14	4E-414	SPLIT PIN	2	29	1503251	SOLENOID	1
15	1531557	ROD BUSH CONTROL	1	30	1522535	SEAL	1
		INC 22 & 23	1	31	565505	WASHER LEVER MOUNTING	1
16	4E-414	SPLIT PIN	2	32	1503251	NUT LEVER MOUNTING	1

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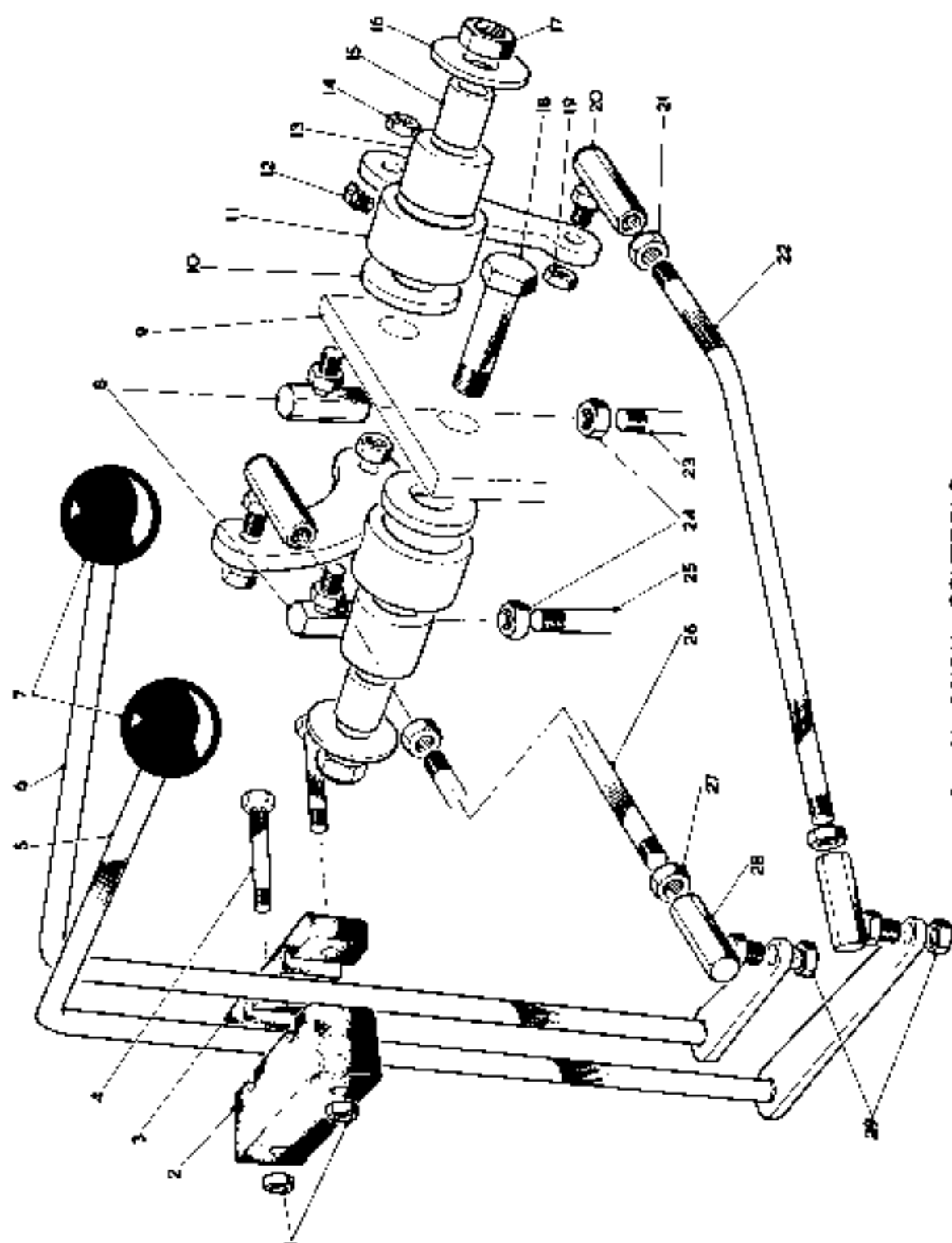
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TP 3571

TRANSMISSION CONTROLS



CONSTRUCTION MACHINERY PRODUCTS

CONTROLS-TRANSMISSION

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	180-05	NUT CONTROL LEVER SUPPORT	4	14	660-05	NUT	4
2	566478	SUPPORT LEVER	2	15	585557	BUSHING	2
3	566479	SUPPORT LEVER	2	16	616785	WASHER	2
4	20-536	BOLT	4	17	180-08	NUT	2
5	1545883	LEVER FORWARD & REVERSE	1	18	20-840	BOLT	2
6	1544038	LEVER HORN & HORN	1	19	660-05	LOCKNUT	2
7	509772	KNOB	2	20	1301361	BALL JOINT	2
8	1301361	BALL JOINT	4	21	80-05	NUT	2
9	1541805	MOUNTING BRACKET	1	22	1509268	CONTROL ROD END 20 & 21	1
9A	20-620	BOLT DRACKET MOUNTING	2	23	1541804	CONTROL ROD END 8 & 24	1
9B	180-06	NUT	2	24	80-05	NUT	4
9C	616674	WASHER	4	25	1541804	CONTROL ROD END 6 & 24	1
10	452461	WASHER	2	26	1541804	CONTROL ROD END 27 & 28	1
11	585500	GELLERANK ASSY	2	27	80-05	NUT	2
12	128-15	GREASE FITTING	2	28	1301361	BALL JOINT	2
13	585596	SLEEVE	2	29	660-05	LOCKNUT	2

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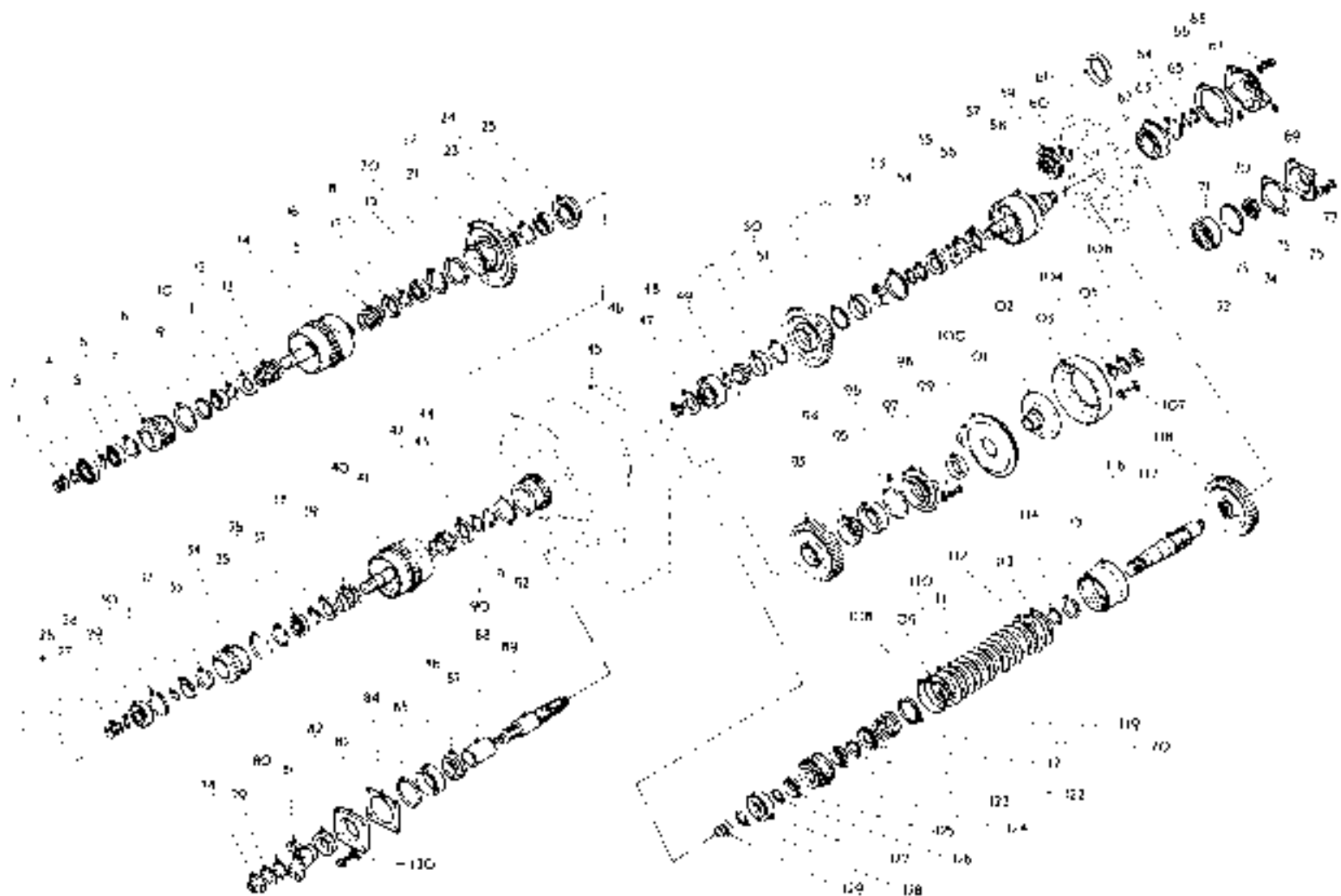
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MAIN 99

Sub-Assembly

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TRANSMISSION ASSEMBLY-GEAR GROUPS

TP3456



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS
TRANSMISSION ASSEMBLY GEAR GROUPS

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	265172	TRANSMISSION ASSEMBLY		37	230829	BEARING GEAR	1
		R-26420-2 ENL 1-130	1	38	654613	RING RETAINER	1
1	215183	RING PISTON	3	39	232085	RETAINER SPRING	1
2	224083	RING RETAINING	1	40	230822	SPRING PISTON RETURN	1
3	232085	BEARING FRONT	1	43		CLUTCH ASSEMBLY FORWARD	
4	224083	RING RETAINING	1			& SECOND SEE INDEX	1
5	230829	BEARING GEAR	1	42	230822	SPRING PISTON RETURN	1
6	273377	RING SNAP	1	43	232085	RETAINER SPRING	1
7	232085	GLAR DRIVE CLUTCH	1	44	654613	RING RETAINING	1
8	731160	OIL BAFFLE RING	1	45		TRANSMISSION CASE ASSY	
9	223877	RING SNAP	1			SEE INDEX	1
10	230829	BEARING GEAR	1	46	230829	BEARING	1
11	654613	RING SNAP	1	47	231775	GRD PLATE	1
12	232085	RETAINER SPRING	1	48	231775	BEARING 2ND GEAR	1
13	230822	SPRING PISTON RETURN	1	49	231775	RING RETAINING	AR
14		CLUTCH ASSEMBLY REVERSE		49A	231777	RING RETAINING	AR
		& 3RD SEE INDEX	1	49B	232085	RING RETAINING	AR
15	230822	SPRING PISTON RETURN	1	50	231780	BEARING LOW SPEED GEAR	1
16	232085	RETAINER SPRING	1	51	231246	GEAR LOW SPEED	1
17	654613	RING SNAP	1	52	731160	RING BAFFLE	1
18	230829	BEARING 3RD GEAR	1	53	232076	RING RETAINING	1
19	223877	RING SNAP	1	54	654613	RING SNAP	1
20	731160	RING BAFFLE	1	55	232085	RETAINER SPRING	1
21	231252	GEAR 3RD	1	56	230822	SPRING PISTON RETURN	1
22	230829	SPACER	1	57	232085	RETAINER SPRING	1
23	231874	RING SNAP	1	58		CLUTCH ASSEMBLY LOW SPEED	
24	230829	BEARING 3RD GEAR	1			SEE INDEX	1
25	658038	BEARING REAR	1	59	232433	GEAR DRIVE	1
26		COVER FRONT SEE INDEX		60	224106	RING RETAINER	1
27	215183	RING PISTON	3	61		GALT	
28	224083	RING RETAINING	1	62	230829	BEARING REAR	1
29	223877	BEARING	1	63	232085	RING RETAINING	1
30	230829	RING BEARING CLUTCHING	1	64	224075	RING PISTON CLUTCH SHAFT	1
31	224083	RING RETAINING	1	65	224075	RING PISTON CLUTCH SHAFT	1
32	230829	BEARING GEAR	1	66	231193	WASHER REAR BRG CAP	1
33	223877	RING SNAP	1	67	231176	CAP REAR BEARING	1
34	232085	GLAR DRIVE CLUTCH	1	68	41-06	LOCKWASHER	5
35	731160	RING BAFFLE	1	68A	LC-628	BOLT	5
36	223877	RING SNAP	1				

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EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

TRANSMISSION ASSEMBLY GEAR GROUPS (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
69	101-002	PLUG REAR BEARING CAP	1	103	225260	WASH RING	1
70	25K-30016	O RING	1	104	25K-00116	O RING FLANGE	1
71	101-15	BALL REAR BEARING LOCK	1	105	222179	WASHER FLANGE	1
72	231046	BEARING INNER SHAFT REAR	1	106	222960	NUT FLANGE	1
73	230552	KING LOCKWASHER	1	107	220612	BOLT FLANGE	6
74	215634	NUT INNER SHAFT	1	107A	4E-06	LOCKWASHER	6
75	210418	WASHER BEARING CAP	1	108	215190	RING RETAINER	1
76	231412	BEARING CAP	1	109	224774	END PLATE CLUTCH DISC	1
77	11-520	SCREW BEARING CAP	4	110	226114	DISC CLUTCH INNER	6
78	4E-09	LOCKWASHER	4	111	224772	DISC CLUTCH OUTER	6
78	222960	NUT FLANGE	1	112	210850	PISTON CLUTCH	1
79	222179	WASHER FLANGE NUT	1	113	224771	RING SEAL OUTER	1
80	25K-00116	O RING	1	114	230852	RING SEAL INNER	1
81	231749	FLANGE OUTPUT	1	115	226065	RING RETAINER	1
82	230554	SEAL OIL	1	116	231241	GROUP 4TH CLUTCH	1
83	231418	CAP FRONT BEARING	1	117	231023	SHAFT IDLER	1
84	231048	SHIM .004	AR	118	230989	GLAR IDLER SHAFT	1
84A	231049	SHIM .007	AR	119	231160	RING GEAR	1
84B	231050	SHIM .010	AR	120	230827	SPRING RETURN	1
84C	231051	SHIM .020	AR	121	232089	RETAINER SPRING	1
85	25K-00400	O RING	1	122	230888	RING RETAINER	1
86	000047	CAP BEARING	1	123	231624	BEARING 4TH GEAR	1
87	1314713	WHL OUTPUT SHAFT GEAR	1	124	232452	GEAR 4TH	1
88	231405	SPACER OUTPUT SHAFT GEAR	1	124A	232405	SPACER BEARING	1
89	231406	SHAFT OUTPUT	1	125	231624	BEARING 4TH GEAR	1
90	034611	RING RETAINER	1	126	231180	RING RETAINER	1
91	231160	RING GEAR	1	127	231687	BEARING FRONT	1
92	231239	GEAR 2ND	1	128	230888	RING RETAINER	1
93	231450	GEAR OUTPUT	1	129	205560	RING PISTON	3
94	242240	CAP REAR BEARING	1	130	11-520	BOLT CAP FRONT BEARING	4
95	1315447	CONE REAR BLANKING	1	130A	4E-09	LOCKWASHER	4
96	25K-00416	O RING	1	131	1540889	MOUNTING BRACKET FRONT	2
97	25K-30026	O RING	1	131A	1540891	MOUNTING BRACKET REAR	2
98	231817	CAP REAR BLANKING	1	132	2301228	BOLT TRANSMISSION TO BRKT	8
99	11-928	BOLT CAP REAR BEARING	4	132A	4E-12	LOCKWASHER	8
99A	4E-09	LOCKWASHER	4	133	2401257	BOLT BRACKET TO FRAME	4
100	225823	SEAL OIL	1	133A	080-12	NUT	4
101		SEE INDEX PARKING BRAKE		133B	065972	WASHER	4
102	224774	FLANGE BRAKE	1				

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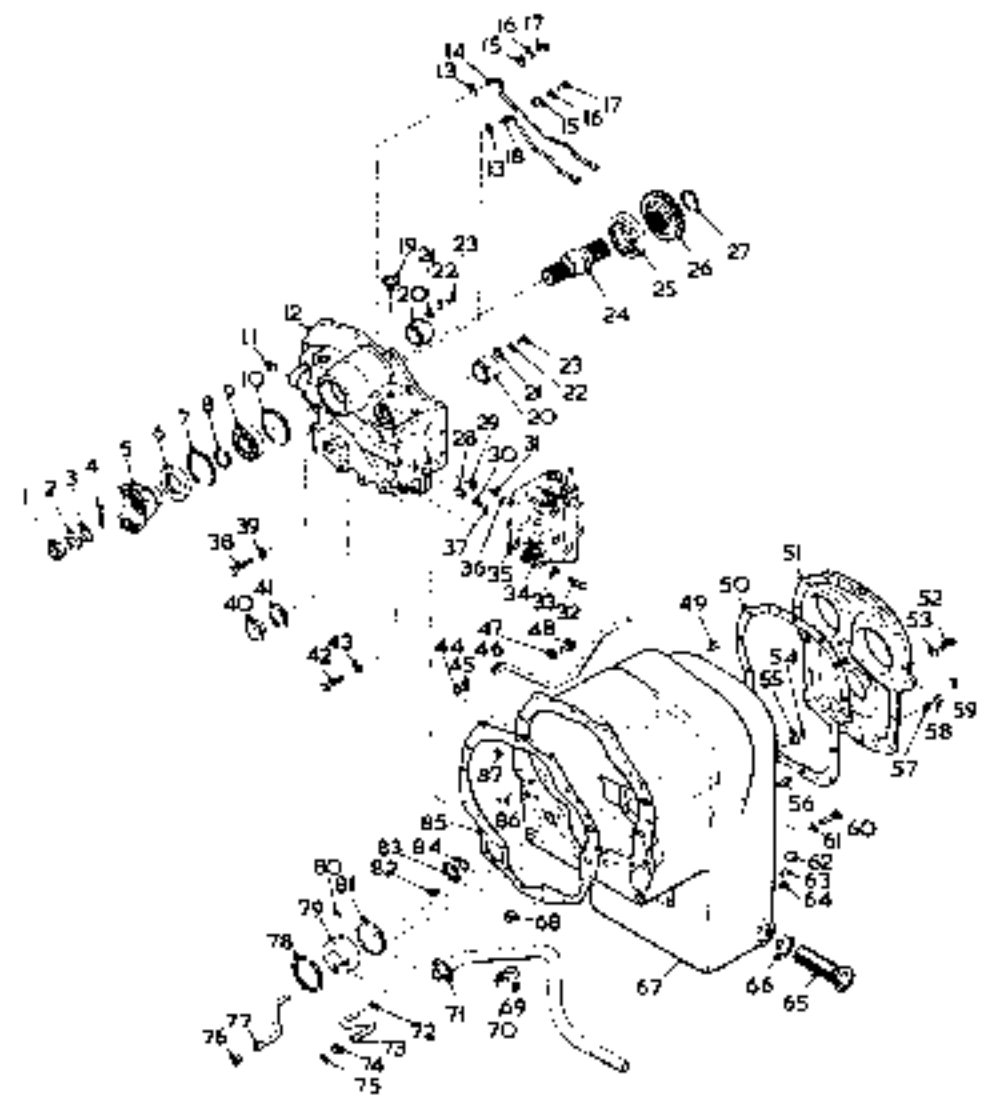
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TRANSMISSION CASE & COVER GROUP

TP3455

CONSTRUCTION MACHINERY PRODUCTS
TRANSMISSION CASE AND COVER GROUP

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	201551	NUT INPUT FLANGE	1	39	10J-12	WALVE DETENT	1
2	102745	WASHER FLANGE	1	37	10J-14	WALVE DETENT	1
3	25K-40112	O RING FLANGE	1	36	21-794	SCREEN LOWER TO CASE	4
4	1F-428	CUTTER FLANGE NUT	1	34	4E-07	LOCKWASHER	4
5	214545	FLANGE INPUT	1	40	219370	PLUG FRONT LOWER	1
6	231798	OIL SEAL INPUT FLANGE	1	41	219371	GASKET PLUG	1
7	221901	CLIP CLIP FRONT BEARING	1	42	1C-728	SCREEN LOWER TO CASE	4
8	224041	LOCATING RING FRONT BRG	1	43	4E-07	LOCKWASHER	4
9	225603	FRONT BEARING	2	44	25K-40024	O RING	1
10	223901	CLIP CLIP FRONT BEARING	1	45	222067	SLEEVE TUBE	2
11	13F-14	PLUG PIPE	1	46	230400	TOOL	1
12	231626	FRONT COVER & TUBE ASSY INC 13-IN, 20-IN, 23, 24, 25	1	47	4E-07	LOCKWASHER LOWER TO CASE	5
13	25K-40012	O RING	2	48	1C-720	SCREEN COVER TO CASE	4
14	231629	TUBE ASSY 3RD SPEED	1	49	214118	PIN	2
15	231648	CLIP TUBE	1	50	231761	GASKET KLEA JOYLA TO CASE	1
16	4E-05	LOCKWASHER CLIP	2	51	231192	WASH LOWER	1
17	1C-510	SCREEN CLIP	2	52	1C-720	SCREEN KLEA LOWER TO CASE	13
18	231622	TUBE ASSY REVERSE	1	53	4E-07	LOCKWASHER	13
19	211933	WHEELER ASSEMBLY	1	54	25K-40024	O RING	1
20	231656	SLEEVE FRONT CLWEL	2	55	222067	SLEEVE TUBE	2
21	230851	WASH SLEEVE	2	56	224042	STUD LOWER TO CASE	2
22	4E-05	LOCKWASHER	2	57	4E-07	LOCKWASHER	2
23	1C-510	SCREEN SLEEVE WASH	2	58	20-07	NUT	1
24	231762	WASH INPUT	1	59	1E-02	PLUG PIPE	1
25	231654	WASH IMARING INPUT SHAFT	1	60	1C-720	SCREEN	5
26	214935	GLAR INPUT SHAFT	1	61	4E-07	LOCKWASHER	5
27	224026	CLIP CLIP GEAR	1	62	215197	PLUG LOWER MAGNET	1
28	222067	SLEEVE TUBE	1	63	40K-04	PLUG WIR LEVEL	1
29	222067	SLEEVE TUBE	1	64	40K-04	PLUG WIR LEVEL	1
30	232147	SPRING DETENT	1	65	231390	SCREEN ASSEMBLY	1
31	232147	SPRING DETENT	1	66	219371	GASKET SCREEN	1
32	1C-637	SCREEN VALVE TO HOUSING	4	67	231618	TRANSMISSION CASE	1
33	4E-04	LOCKWASHER	4	68	215757	PLUG	1
34	231618	CONTROL VALVE ASSEMBLY	1	69	615414	WASHER	1
35	231181	GASKET CONTROL VALVE	1	70	61-36	CLIP	1
		LESS HYDRAULIC MOUNTING		71	231612	SUCTION TUBE ASSEMBLY	1
				72	25K-20012	O RING PRESSURE TUBE	1

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CONSTRUCTION MACHINERY PRODUCTS

TRANSMISSION CASE AND COVER GROUP (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
71	211619	TUBE PRESSURE 4TH SPEED	1	81	221401	CLIP	1
74	222067	SLEEVE TUBE	1	82	40-524	SCREW SUCTION LINE	2
75	25H-40026	G RING	1	83	230921	WASHER	1
76	222067	SLEEVE TUBE	1	84	25H-40104	G RING	2
77	231623	TUBE LUBE 4TH SPEED	1	85	131606	GASKET FRONT COVER	1
78	223501	CIRCLIP OIL DISTRIBUTION	1	86	214255	PIN LUBE FRONT COVER	2
79	212621	OIL DISTRIBUTOR	1	87	1H-415	WASHER	1
80	103-08	BALL LOCKING	1				

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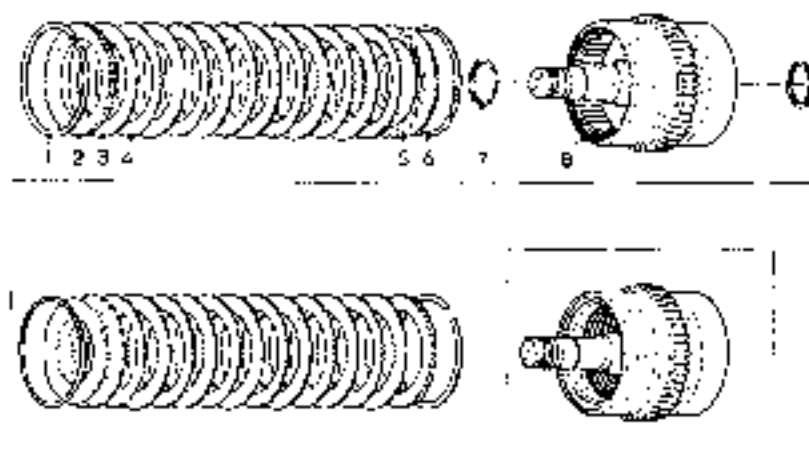
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FORWARD & 2 ND CLUTCH GROUP

TP3534

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A		* CLUTCH GROUP	1	5	230450	PISTON CLUTCH	2
1	215190	CLIP END PLATE	4	6	224772	RING SEAL OUTER	2
2	224774	END PLATE	2	7	230352	RING SEAL INNER	2
3	228114	DISC CLUTCH INNER	12	8	231000	DRUM & SHAFT FORWARD & 2ND CLUTCH	1
4	224772	DISC CLUTCH OUTER	12				

* NOTE: NOT SOLD AS AN ASSEMBLY

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REVERSE & 3 RD CLUTCH GROUP

TP3457

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1		CLUTCH GROUP	1	5	230350	PISTON CLUTCH	2
2	215190	CARRIER END PLATE	2	6	224771	RING SEAL OUTER	2
3	224774	END PLATE	2	7	224857	RING SEAL INNER	2
4	228114	DISC CLUTCH INNER	14	8	230350	DRUM & SHAFT REVERSE & 3 RD CLUTCH	1
5	224774	DISC CLUTCH OUTER	14				

* NOTE: NOT SOLD AS AN ASSEMBLY

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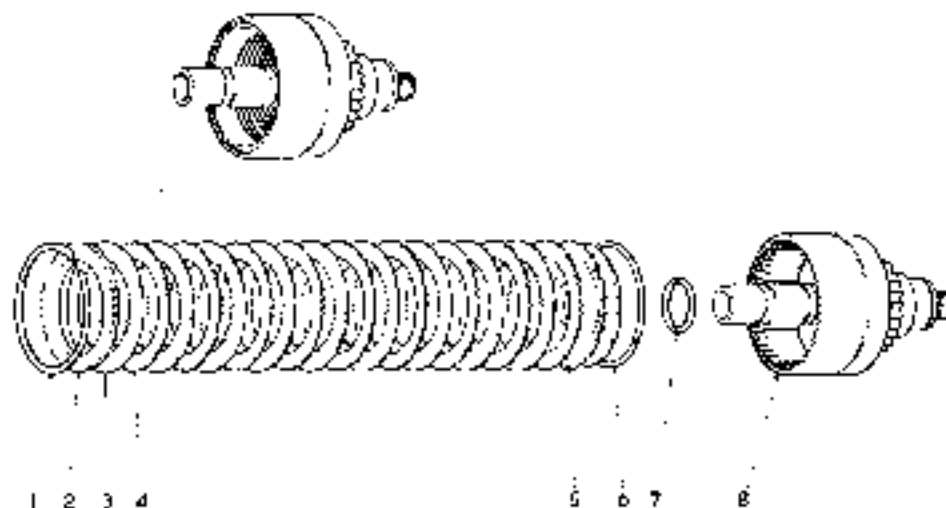
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LOW CLUTCH GROUP

TP3453

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A		* CLUTCH GROUP	1	5	210850	PISTON CLUTCH	1
1	215190	CIRCULAR END PLATE	1	6	224771	KING SEAL OUTER	2
2	224774	END PLATE	1	7	230857	KING SEAL INNER	2
3	230911	DISC CLUTCH INNER	5	8	232449	GROUP & SHAFT LOW SPEED	1
4	224772	DISC CLUTCH OUTER	5				

* NOTE, NOT SHOWN AS AN ASSEMBLY

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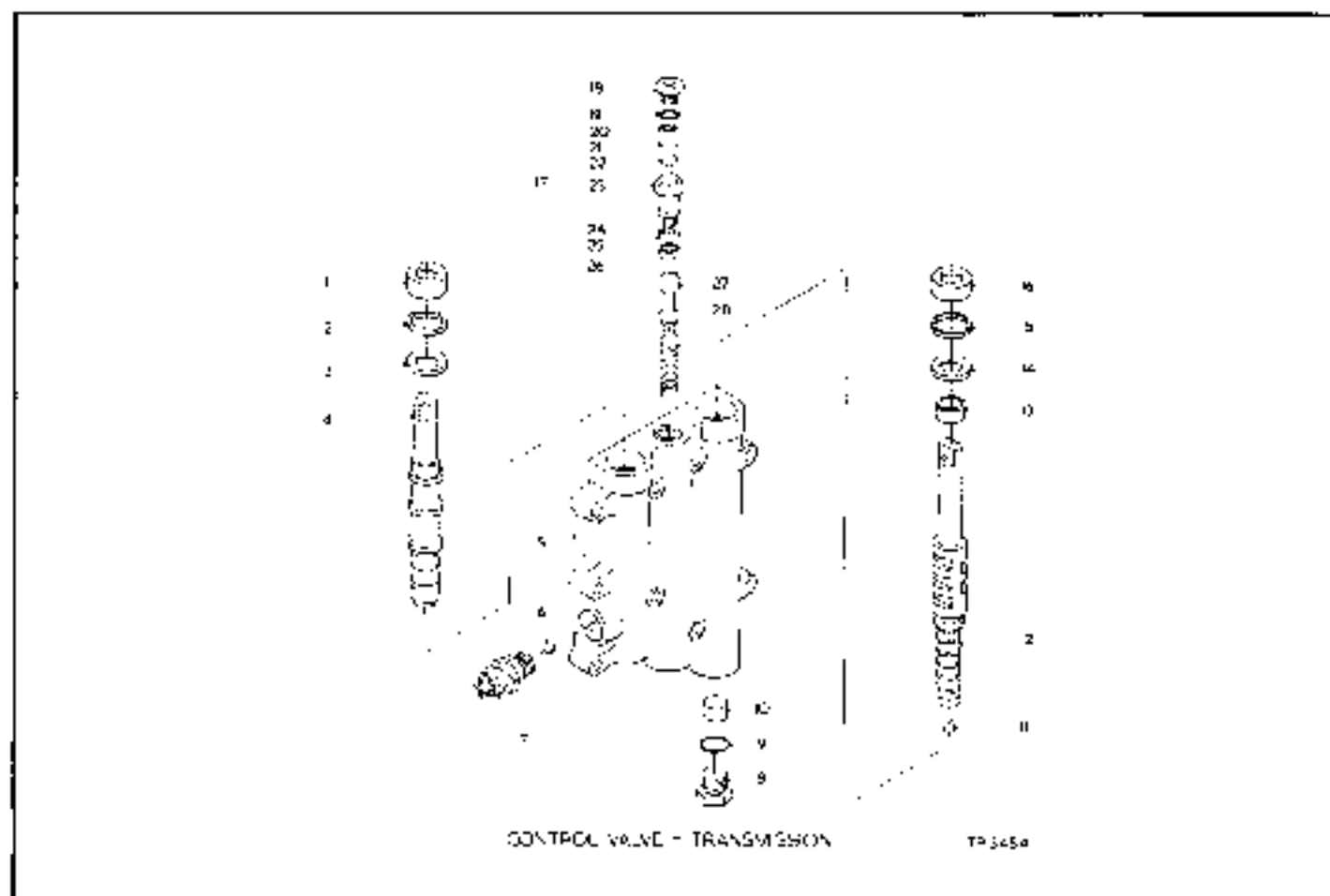
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	231101	CONTROL VALVE ASSEMBLY INC 1-9, 11, 12, 14, 15, 16	1	14	227657	WASHER OIL SEAL RETAINER	1
2	225036	OIL SEAL	1	15	664140	RING OIL SEAL RETAINER	1
3	664140	RING OIL SEAL RETAINER	1	16	225036	OIL SEAL	1
4	217057	WASHER	1	17	219342	PISTON ASSEMBLY INC 18-20	1
5	231158	VALVE FORWARD & REVERSE	1	18	227928	G&V	1
6	100-12	WASHER SEE ITEM 1	1	19	91F-8	O RING	1
7	229729	SWITCH NEUTRAL	1	20	25K-30020	O RING PISTON	1
8	24K-7	PLUG VALVE HOUSING	1	21	227672	GYLO RING	1
9	91F-7	O RING	1	22	227674	PISTON	1
10		UNIT	1	23	217424	HOUSING	1
11	16F-01	PLUG SELECTOR SPOOL	1	24	224315	OIL SEAL	1
12	231140	SPOOL SPEED SELECT INC 11	1	25	228931	BAND SEAL	1
13	221440	SPOOL OVERSHOFT	1	26	25K-10022	O RING	1
				27	231134	SPOOL VALVE	1
				28	231164	SPOOL VALVE SPOOL	1

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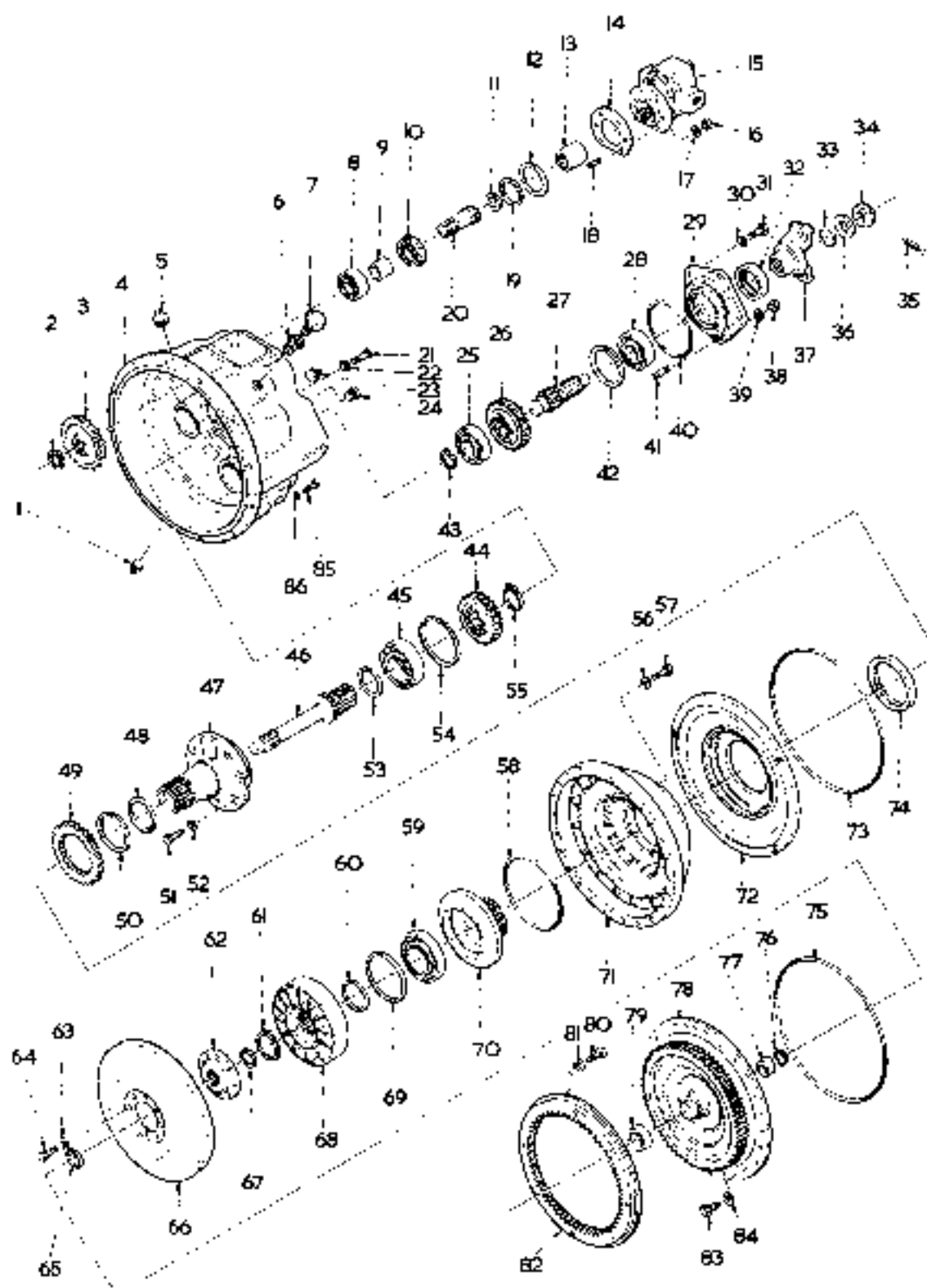
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TORQUE CONVERTER ASSEMBLY

TP 3038

CONSTRUCTION MACHINERY PRODUCTS
TORQUE CONVERTER AND MOUNTINGS

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	283173	CONVERTER C273T-64		36	102145	WASHER OUTPUT SHAFT	1
		INC 1-5,8-79.82-84	1	37	214985	FLANGE COMPANION	1
2	13F-20	PLUG HOUSING	1	38	40-07	NUT BEARING RETAINER	2
3	711798	RING SNAP BEARING	3	39	4E-07	LOCKWASHER	3
4	214931	GEAR PUMP DRIVE	3	40	25K-40512	O RING BEARING RETAINER	1
5	801546	KEY CONVERTER HOUSING	1	41	214730	STUD	2
6	101-16	PLUG HOUSING	2	42	220401	RING SNAP BEARING	1
7	227265	VALVE CHECK AIR BREATHER	1	43	214955	RING SNAP BEARING	1
8	214423	BREATHER AIR	1	44	214975	GEAR TURBINE SHAFT	1
9	214936	BEARING DRIVE SHAFT	3	45	142002	BEARING TURBINE SHAFT	1
10	214930	SPACER PUMP SHAFT	3	46	214933	SHAFT TURBINE	1
11	214956	BEARING DRIVE SHAFT	3	47	214932	SUPPORT SILENTER	1
12	214954	RING SNAP BEARING	3	48	221653	RING PISTON	1
13	224039	RING RETAINING	3	49	214951	GEAR IMPELLER HUB	1
14	111186	RING SNAP WASHER	3	50	224009	RING SNAP LEAK	1
15	214961	SLEEVE PUMP TO CONVERTER	1	51	1C-020	BOLT STATOR SUPPORT	6
16	551906	GASKET	1	52	1L-08	LOCKWASHER	6
17	450230	PUMP CONVERTER MOUNTING	1	53	222079	RING PISTON	1
18	80-06	JAM NUT PUMP TO CONVERTER	6	54	214953	RING SNAP BEARING	1
19	4E-06	LOCKWASHER	6	55	224026	RING SNAP GEAR	1
20	207647	STUD PUMP MOUNTING	4	56	619025	WASHER	8
21	214529	WASHER PUMP SHAFT	3	57	4C-114	GIM HUB TO IMPELLER	8
22	214928	SHAFT PUMP DRIVE	3	58	25K-40610	O RING IMPELLER HUB	1
23	1C-020	BOLT INL. WAFER	3	59	214596	BEARING IMPELLER HUB	1
24	4E-06	LOCKWASHER	3	60	214944	SPACER REACTION MEMBER	1
25	16F-08	PLUG HOUSING	1	61	143035	RING REACTION MEMBER	1
26	40K-02	PLUG HOUSING	1	62	214524	HUB TURBINE	1
27	742115	BEARING OUTPUT SHAFT	1	63	619023	WASHER	8
28	214538	GEAR OUTPUT SHAFT	1	64	209313	NUT TURBINE TO HUB	8
29	214931	SHAFT OUTPUT	1	65	405065	RING SNAP TURBINE HUB	1
30	741439	BEARING OUTPUT SHAFT	1	66	223431	TURBINE	1
31	214945	RETAINER BEARING IM. 52	1	67	659065	RING SNAP TURBINE HUB	1
32	4E-07	LOCKWASHER	3	68	401608	MEMBER REACTION	1
33	1C-120	BOLT BEARING RETAINER	3	69	450244	PIN MEMBER TO SPACER	1
34	206844	SLAT WEL	1	70	214953	RING SNAP BEARING	1
35	25K-40112	O RING COMPANION FLANGE	1	71	214939	IMPELLER	1
36	201951	NUT OUTPUT SHAFT	1	72	214925	GAFFLE WEL	1
37	18-424	PIN CLIPPER	1				

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CONSTRUCTION MACHINERY PRODUCTS

TORQUE CONVERTER AND MOUNTINGS (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
73	214939	G RING OIL BAFFLE	1	80	224790	OUT HING GEAR	1
	214939	G RING OIL BAFFLE	1	81	215909	WASHER	8
74	214942	OUT LIT BAFFLE	1	82	215204	BEAR HING	1
75	214939	G RING IMPELLER TO COVER	1	83	1L-616	GULT IMPELLER TO COVER	24
76	000542	KING SNAP BEARING	1	84	4E-06	LOCKWASHER	24
77	214998	WASHER IMPELLER COVER	1	85	25C-020	+ GULT CONVERTER TO ENGINE	12
78	214922	COVER IMPELLER	1	86	4E-06	+ LOCKWASHER	24
79	227006	SLEEVE IMPELLER COVER	1	87	241-10200	+ LOCKWIRE	4

* NOTE: WHEN CONVERTER CHARGING PUMP REPLACEMENT IS REQUIRED, ONLY A NEW FACTORY BUILT AND TESTED PUMP SHOULD BE USED. PROPER OPERATION OF CONVERTER AND TRANSMISSION IS DEPENDENT ON AN EFFICIENT CHARGING PUMP. DAMAGE POSSIBLE BY USE OF A FIELD REPAIR PUMP CAN BEFOL IN REPAIR COST EXCEEDING COST OF NEW PUMP & LUMP.

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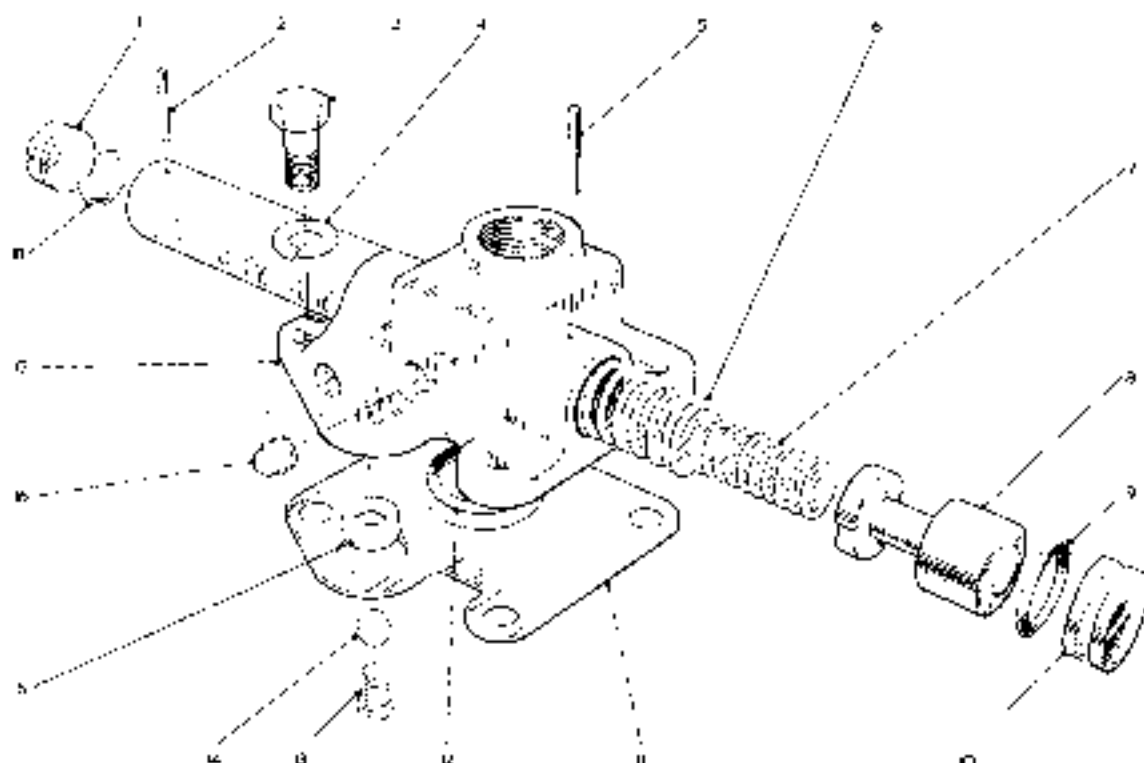
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PRESSURE REGULATING VALVE ASSEMBLY

TP2996

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	214543	VALVE ASSY INC 1.2x3-10+		10	220983	STOP PISTON	1
		15,17,18.	1	11	214949	GASKET VALVE TO CONVERTER	1
1	220403	STOP PISTON	1	12	25K-50104	O RING VALVE TO CONVERTER	1
2	660176	PLUG PISTON STOP	1	13	222312	SPRING SAFETY VALVE	1
3	10-616	BOLT VALVE TO CONVERTER	4	14	222318	PLUNGER SAFETY VALVE	1
4	46-06	LOCKWASHER	4	15	214946	SEAT SAFETY VALVE	1
5	660176	PLUG PISTON STOP	1	16	214946	SEAT SAFETY VALVE	1
6	224369	SPRING VALVE OUTER	1	17	40M-02	PLUG HOUSING	2
7	224368	SPRING VALVE INNER	1	18		BODY SEE A	1
8		O PISTON SEE A	1	18	25K-30018	O RING PISTON STOP	1
9	25K-30018	O RING PISTON STOP	1				

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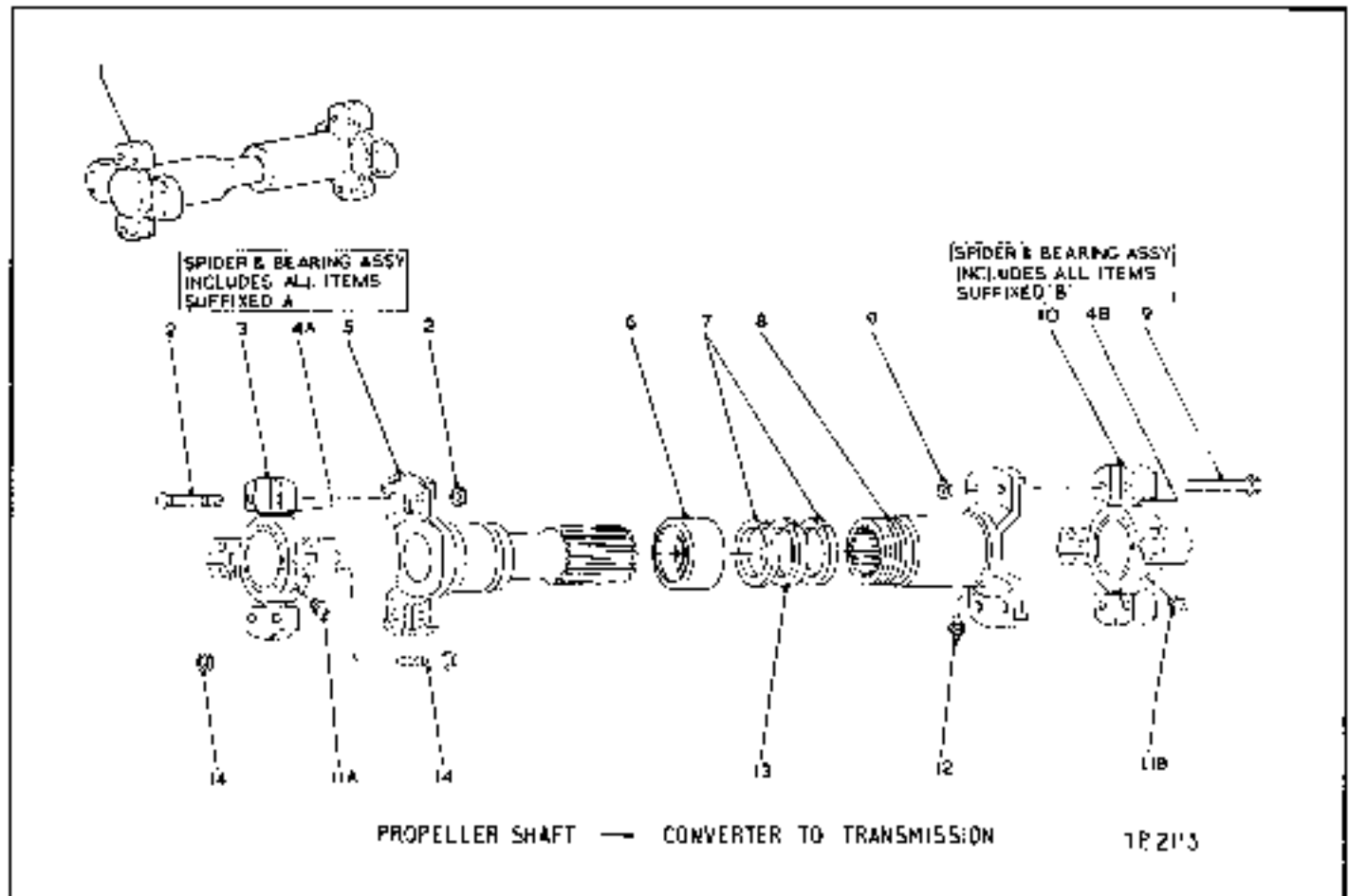
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	562694	SHAFT PROPELLER INC 2-13	1	9	940089	BOLT SPIDER & BEARING	4
2	940089	BOLT SPIDER & BEARING	4	9A	80-06	NUT	4
2A	80-06	NUT	4	10	944862	SPIDER & BEARING INC 4811	1
3	944862	SPIDER & BEARING INC 4811	1	11	10M-35	FITTING GREASE	2
4	444861	STAL	4	12	10M-25	FITTING GREASE	1
5	946109	TUBE	1	13	540092	WASHER FELT	1
6	540090	RETAINER	1	14	540089	BOLT SHAFT ATTACHING	8
7		UNIT		14A	80-06	NUT	8
8	946120	YUKE SLIP INC 12	1	14B	4E-06	+ LOCKWASHER	8

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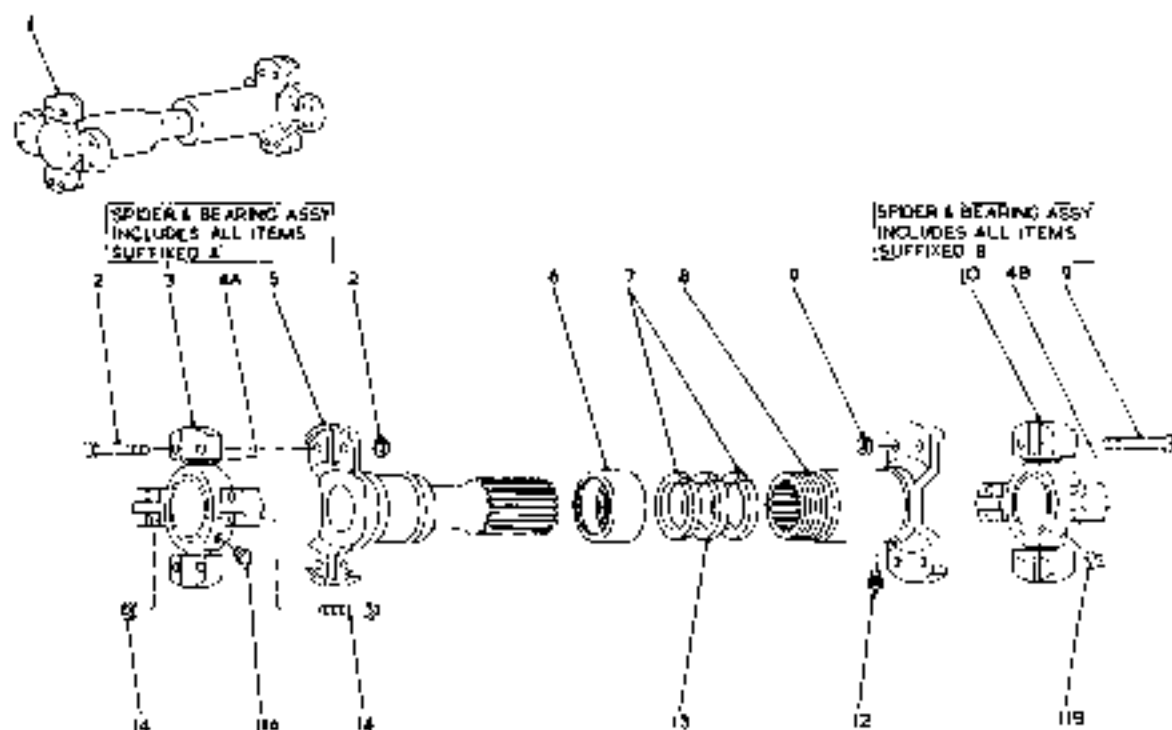
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PROPELLER SHAFT TRANSMISSION TO MID MOUNT BRG. TP3049

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	513528	SHAFT PROPELLER INC 2-13	1	9	940229	BOLT SPIDER & BEARING	4
2	940225	BOLT SPIDER & BEARING	4	9A	80-08	NUT	4
2A	80-08	NUT	4	10	942735	SPIDER & BEARING INC 4A11	1
3	942735	SPIDER & BEARING INC 4A11	1	11	10H-35	FITTING GREASE	2
4	941509	SEAL	8	12	10H-25	FITTING GREASE	1
5	946101	TUBE	1	13	942199	WASHER PIN 1	1
6	940250	WASHER	2	14	940225	BOLT SHAFT ATTACHING	8
7	940251	WASHER	2	14A	80-08	NUT MID-MOUNT END	4
8	942194	YORK SLIP INC 12	1	14B	46-08	+ LOCKWASHER TRANS END	4

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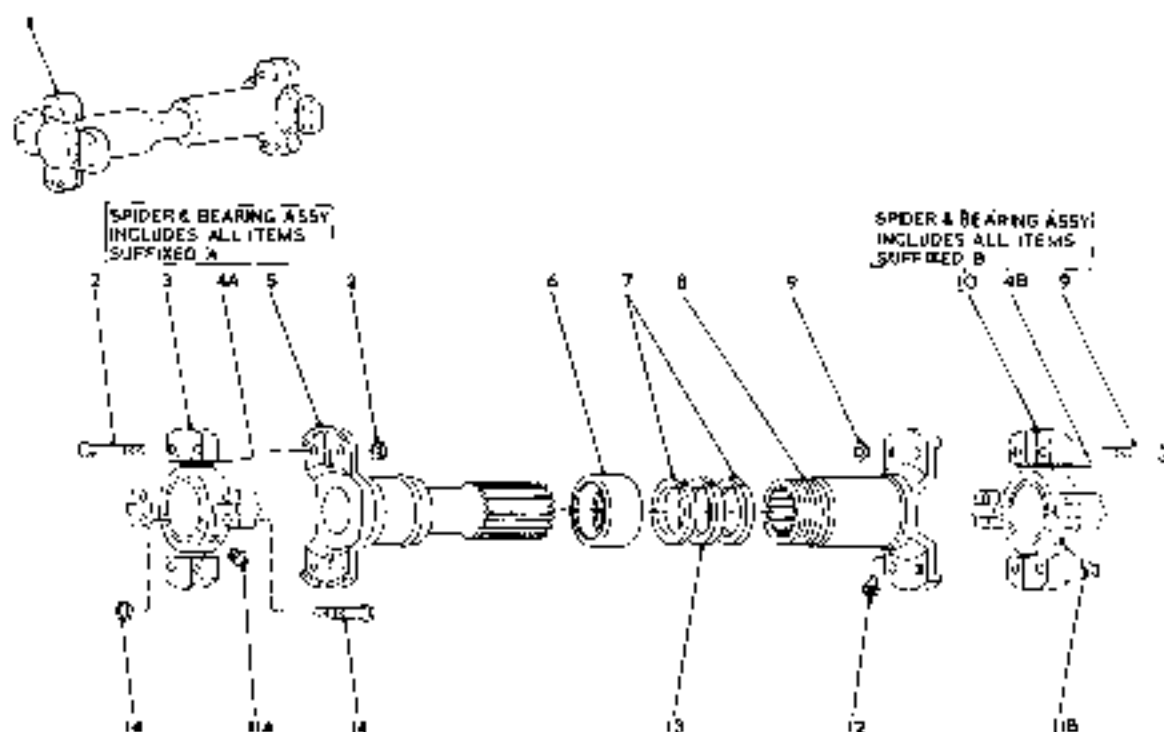
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PROPELLER SHAFT MID MOUNT BRG. TO FRONT AXLE

TP 3048

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	513924	SHAFT PROPELLER INC 2-13	1	9	940229	BOLT SPIDER & BEARING	4
2	940229	BOLT SPIDER & BEARING	4	9A	40-03	NUT	4
2A	40-03	NUT	4	10	942735	SPIDER & BEARING INC 4811	1
3	942735	SPIDER & BEARING INC 4811	1	11	101-35	FITTING GREASE	2
4	941509	SLID	8	12	104-25	FITTING GREASE	1
5	940101	TUBE	1	13	942748	WASHER FILL	1
6	940450	RETAINER	1	14	940429	BOLT SHAFT ATTACHING	8
7	940251	WASHER	2	14A	50-03	NUT	8
8	942734	YOKL SLID INC 12	1				

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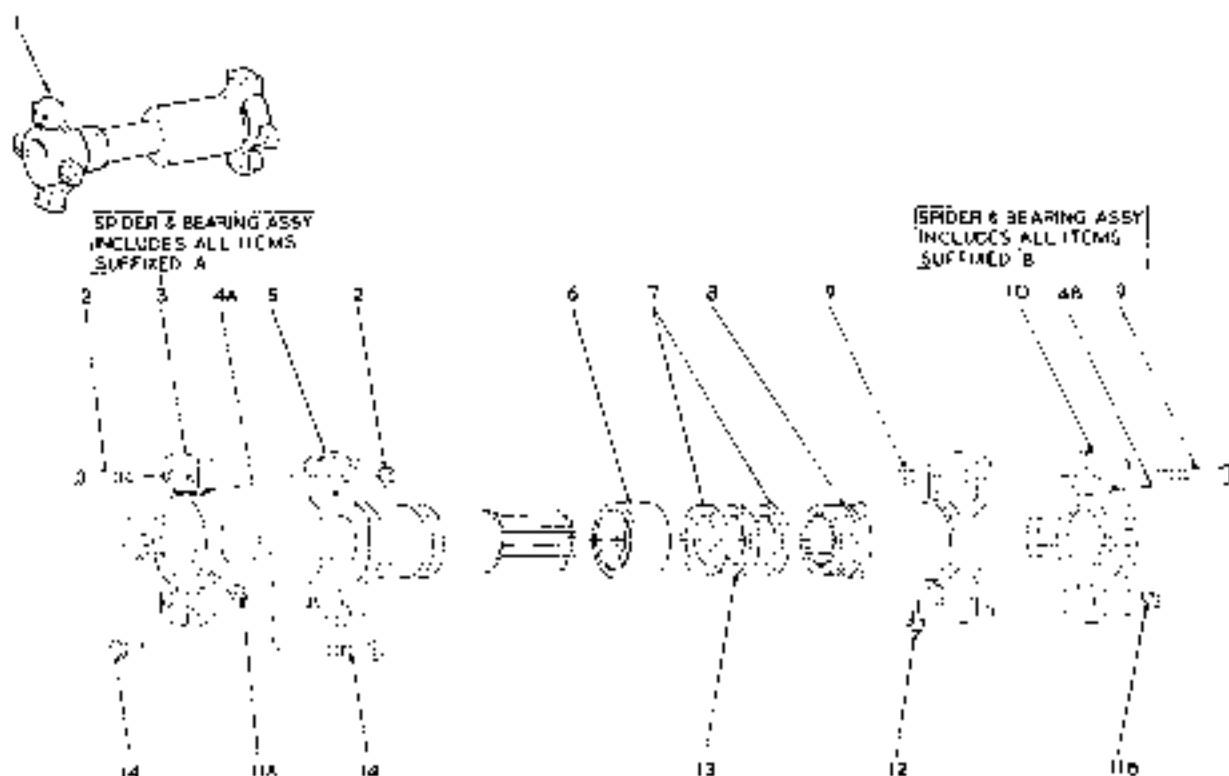
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CONSTRUCTION MACHINERY PRODUCTS



PROPELLER SHAFT-TRANSMISSION TO REAR AXLE

172081

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	513520	SHAFT PROPELLER INC 2-13	1	9	940229	SOLE SPIDER & BEARING	4
2	940225	UCL2 SPIDER & BEARING	4	9A	80-08	NUT	4
2A	80-08	NUT	4	10	942735	SPIDER & BEARING INC 4411	1
3	942737	SPIDER & BEARING INC 4416	1	11	10H-35	FITTING GHDASE	2
4	941304	SEAL	8	12	10H-25	FITTING GREASE	1
5	946101	FOUL	1	13	942149	WASHER FELT	1
6	940250	RETAINER	1	14	940229	BOLT SHAPE ATTACHING	8
7	940251	WASHER	2	14A	80-08	NUT	8
8	942738	YORK SEAL INC 12	1	14B	4E-08	LOCKWASHER	8

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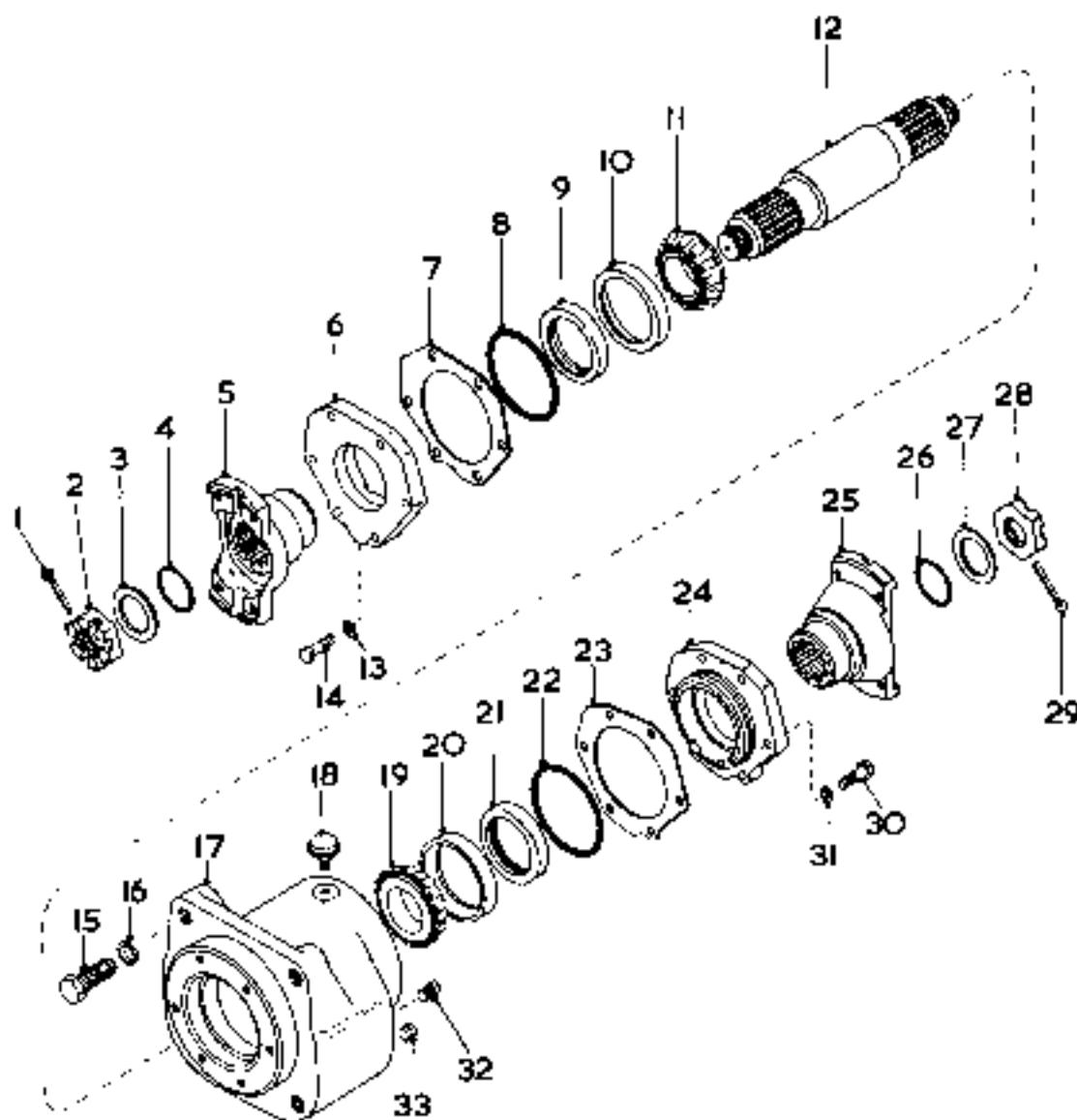
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MID - MOUNT BEARING ASSEMBLY

TP 3192



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

MID-MOUNT BEARING ASSEMBLY

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	240551	BEARING ASSEMBLY LM. 1-14		18A	942139	FLATWASHER	4
		17-33	1	17	230525	W. USING	1
1	17-436	PIN CUTTER	1	18	211413	DRUM LATHER ALN	1
2	205928	NOI	1	19	654141	CONE BEARING	1
3	222179	WASHER	1	20	654250	LIP BEARING	1
4	25K-60116	U RING COMPANION FLANGE	1	21	275873	SEAL OIL	1
5	277230	FLANGE COMPANION	1	22	25K-40308	U RING BEARING CAP	1
6	230690	CAP BEARING	1	23	217566	SHIM BEARING CAP .004	AR
7	217566	SHIM BEARING CAP .004	AR	23A	217567	SHIM BEARING CAP .007	AR
7A	217567	SHIM BEARING CAP .007	AR	23B	217568	SHIM BEARING CAP .010	AR
7U	217568	SHIM BEARING CAP .010	AR	24	217565	CAP BEARING	1
8	25K-40308	U RING BEARING CAP	1	25	222233	FLANGE COMPANION	1
9	275873	SEAL OIL	1	26	25K-60116	U RING COMPANION FLANGE	1
10	654250	LIP BEARING	1	27	222179	WASHER	1
11	654141	CONE BEARING	1	28	205928	NOI	1
12	217566	SHIM BEARING CAP .004	1	29	17-436	PIN CUTTER	1
13	4E-07	LOCKWASHER	4	30	217566	SHIM BEARING CAP .004	4
14	217566	SHIM BEARING CAP .004	4	31	4E-07	LOCKWASHER	4
15	217567	SHIM BEARING CAP .007	4	32	13F-12	PLUG HOUSING	1
16	4E-10	LOCKWASHER	4	33	217567	SHIM BEARING CAP .007	1

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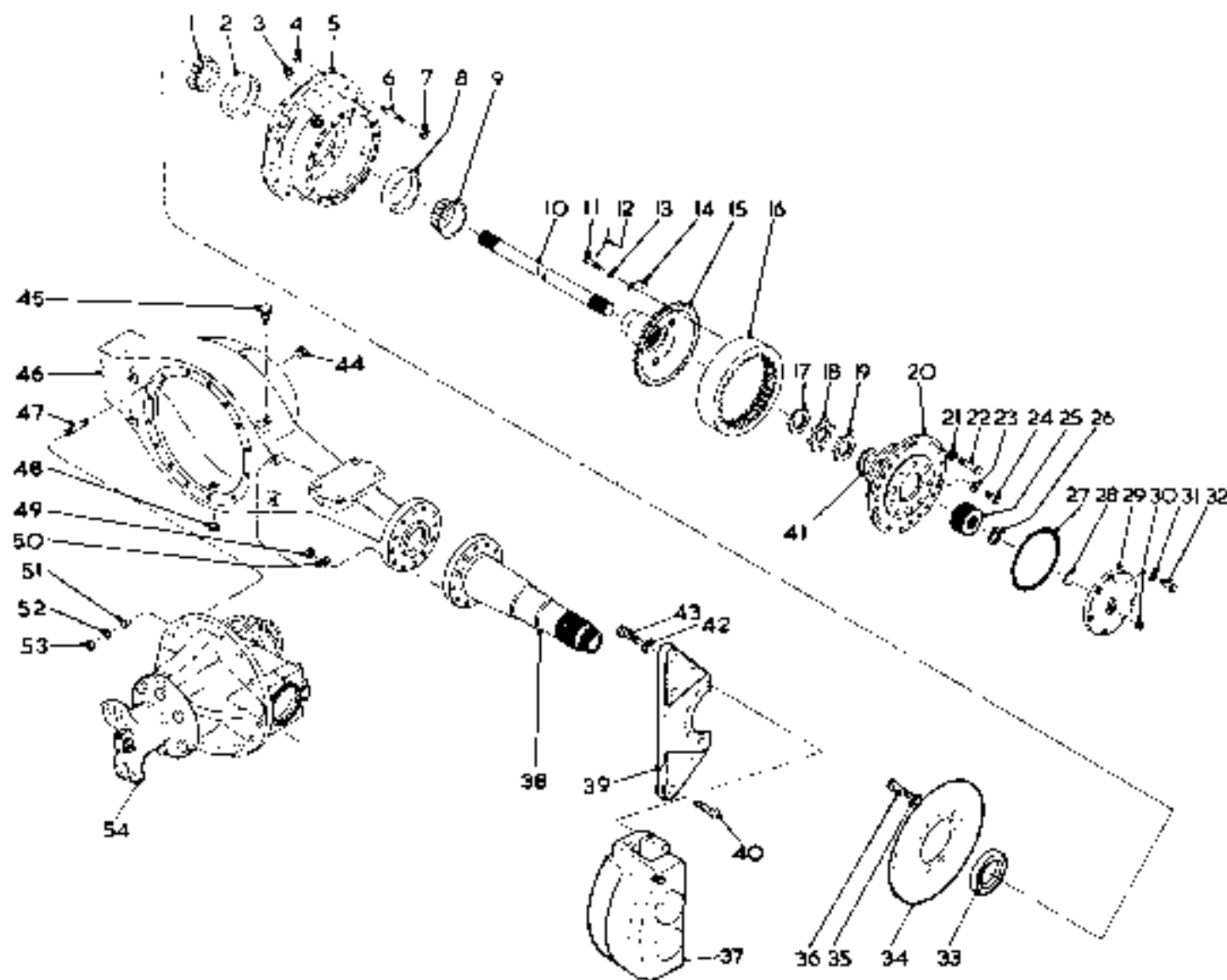
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AXLE ASSEMBLY-FRONT

TP3549



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

AXLE ASSEMBLY-FRONT

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	140424	AXLE ASSEMBLY FRONT		29	115284	SUN GEAR THRUST CAP ASSY	
		END 1-34	1			END 28	2
1	714025	CONC INNER HUB BEARING	2	30	116-12	PLUG THRUST CAP	2
2	774024	CUP INNER HUB BEARING	2	31	117778	LOCKWASHER	12
3	115469	PLUG HUB FILLER	2	32	10-120	BOLT THRUST CAP	12
4	121062	NUT WHEEL STD	20	33	112412	SEAL HUB OIL	2
5	121773	HUB ASSY INC 248	2	34	121776	DISC BRAKE	2
6	120218	WHEEL STD	20	35	104412	WASHER	16
7	103522	NUT WHEEL STD	20	36	110894	BOLT	16
8	742267	CUP OUTER HUB BEARING	2	37		BRAKE HEAD ASSY SEE INDEX	4
9	742247	CONE OUTER HUB BEARING	2	38	121780	SPINDLE AXLE	2
10	112916	SHAFT AXLE	2	39	126742	PLATE DISC BRAKE ADAPTOR	4
11	40-320	BOLT GEAR TO HUB	24	40	141761	BOLT BRAKE ATTACHING	32
12		UNIT		41	119037	RING SUN GEAR THRUST	2
13	4E-HUB	LOCKWASHER	24	42	111656	WASHER	24
14	117214	PLATE GEAR TO HUB	12	43	110305	BOLT BRAKE HEAD ATTACHING	24
15	119213	HUB INTERNAL GEAR	2	44	118-12	PLUG HOUSING FILLER	1
16	115211	GEAR INTERNAL	2	45	121214	BREATHER	1
17	110554	NUT SPINDLE	2	46	121574	HOUSING	1
18	110786	LOCK SPINDLE NUT	2	47	112607	SPUD	10
19	110559	NUT SPINDLE	2	47A	119889	STD	2
20		CARRIER PLANT SEE INDEX	2	47H	112587	STD	2
21	100347	WASHER	40	48	119469	PLUG HOUSING DRAIN	1
22	117225	BOLT CARRIER TO HUB	40	49	106996	NUT	32
23	3E-09	LOCKWASHER	6	50	104412	WASHER	12
24	10-408	BOLT PLATED PULLER HOLE	6	51	112275	DRUM	3
25	117448	GEAR SUN	2	52	106347	WASHER	14
26	224023	RING SUN GEAR RETAINING	2	53	640-09	NUT	14
27	113292	U KING CAP TO CARRIER	2	54		DIFF & CARRIER SEE INDEX	1
28	106457	WASHER THRUST CAP	2	55	240-20128	BOLT AXLE TO FRAME	4
				56	680-20	LOCKNUT	4

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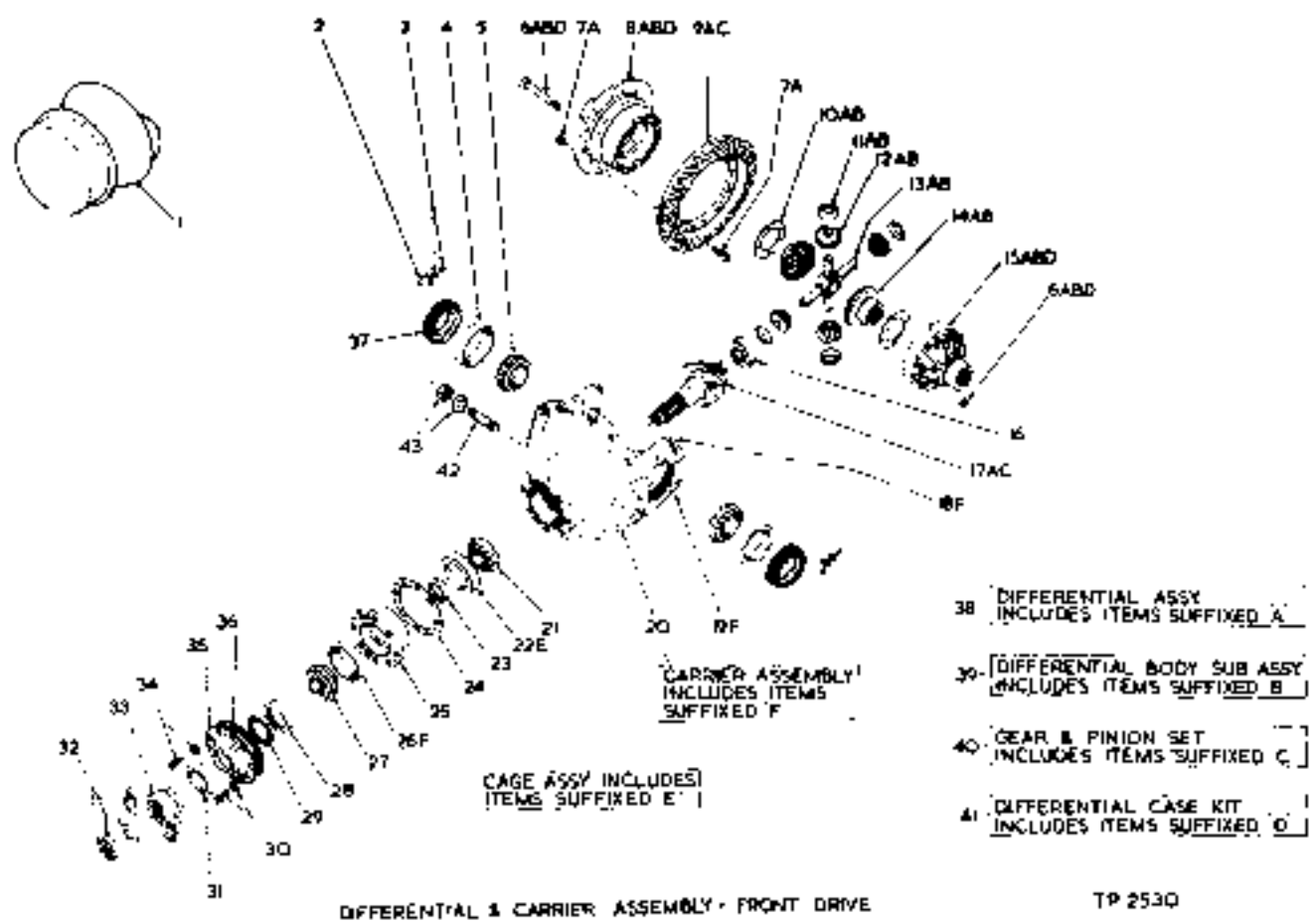
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CONSTRUCTION MACHINERY PRODUCTS
DIFFERENTIAL AND CARRIER-FRONT

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	118959	DIFF & CARRIER ASSY INC		24A	101219	SHIM BEARING CAGE .007	AR
		2-37.42 & 43	1	24B	101220	SHIM BEARING CAGE .0010	AR
2	100941	LOCK ADJUSTING NUT	2	25	101211	CAGE BEARING INC 22 & 26	1
3	30-614	BOLT ADJUSTING NUT LOCK	2	26	675254	CUP OUTER PINION BRG	1
3A	46-08	LOCKWASHER	2	27	675260	CONE OUTER PINION BRG	1
4	675252	CUP DIFFERENTIAL BRG	2	28	111721	SCAL PINION OIL	1
5	675254	CONE DIFFERENTIAL BRG	2	29	101217	GASKET PINION OIL SEAL	1
6	118479	BOLT DIFFERENTIAL CASE	8	30	10-828	BOLT RETAINER LOCATING	1
6A	110543	NUT	8	30A	46-08	LOCKWASHER	1
7	101194	BOLT HINGE GEAR	12	31	101222	SHIELD DUST	1
7A	104148	NUT	12	32	101223	NUT PINION SMART	1
8		D DIFF CASE SEE 41	1	32A	101224	WASHER	1
9		D HINGE GEAR SEE 40	1	32B	10-190	PIN CUTTER	1
10	118478	WASHER SHOE GEAR THRUST	2	33	108821	FLANGE COMPANION	1
11	101204	WASHER PINION THRUST	4	34	10-828	BOLT OIL SEAL RETAINER	7
12	815744	KIT PINION DIFFERENTIAL	1	34A	46-08	LOCKWASHER	7
13	112105	SPIDER DIFFERENTIAL	1	35	101214	RETAINER PINION OIL SEAL	1
14	106206	GEAR DIFFERENTIAL SIDE	2	36	107453	GASKET OIL SEAL RETAINER	1
15		D OIL CASE SLL 41	1	37	101213	NUT ADJUSTING	1
16	675265	BEARING INNER PINION	1	38	121241	DIFFERENTIAL ASSY INC 6-15 & 17	1
17		D PINION SEE 40	1	39	121237	DIFFERENTIAL BODY SUB-	
18	101214	BOLT CARRIER CAP	4			ASSY INC 6, 8 & 10-15	1
18A	111858	+ WASHER	4	40	117693	GEAR & PINION SET INC 9 & 17	1
19		D CAP CARRIER SEE 20	2	41	815737	DIFFERENTIAL CASE KIT INC 6, 8, 10, 11 & 15	1
20	015521	+ CARRIER ASSY INC 18 & 19	1	42	121241	SCREW THRUST	1
21	675263	CONE CENTRE PINION BRG	1	43	121242	NUT THRUST SCREW	1
22	675262	CUP CENTRE PINION BRG	1				
23	815204	KIT SPACER	1				
24	101218	SHIM BEARING CAGE .0004	AR				

* NOTE: FRONT DIFFERENTIAL & CARRIER ASSY ALSO INCLUDES
 1-101226 THRUST SCREW, 1-101227 THRUST SCREW LOCK 1-10-12
 THRUST SCREW NUT, 3-640-09 STUD NUT, 1-170-022 CARRIER
 BOLT, 2-170-032 CARRIER BOLT, 2-170-040 CARRIER BOLT
 2-112004 CARRIER STUD, 1-117795 TAPER DRIVE 1 15-106547
 CARRIER WASHER.

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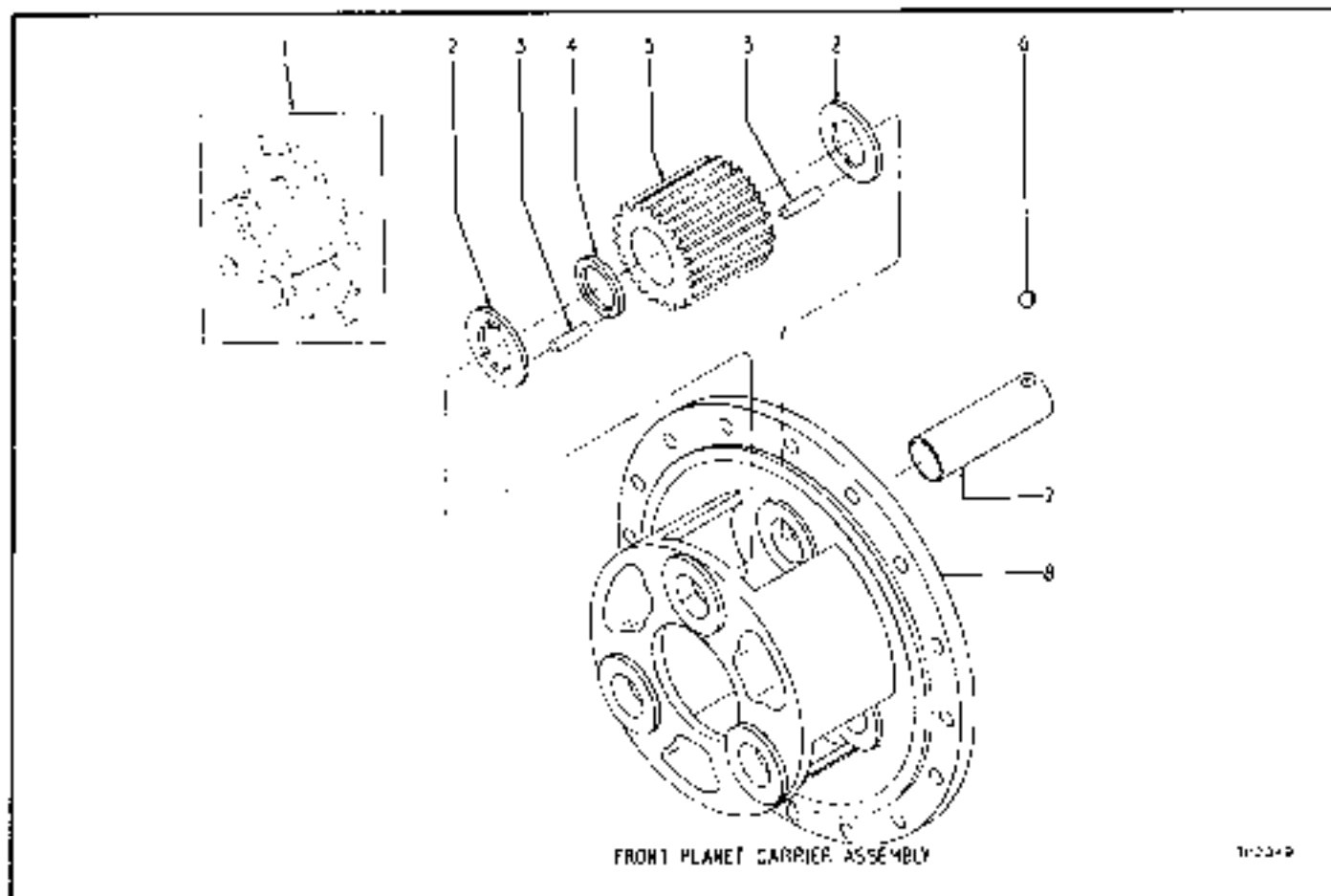
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	119021	CARRIER ASSY INC 2-8	2	4	106359	SPACER PINION ROLLER	3
		QUANTITIES INDICATED		5	116384	PINION PLANET	3
		ARE FOR ONE ASSEMBLY		6	10J-12	BALL PINION SHAFT	3
2	106357	WASHER PINION THRUST	8	7	106355	SHAFT PINION	4
3	106351	ROLLER PINION	150	8	111505	SPIDER PLANET	1

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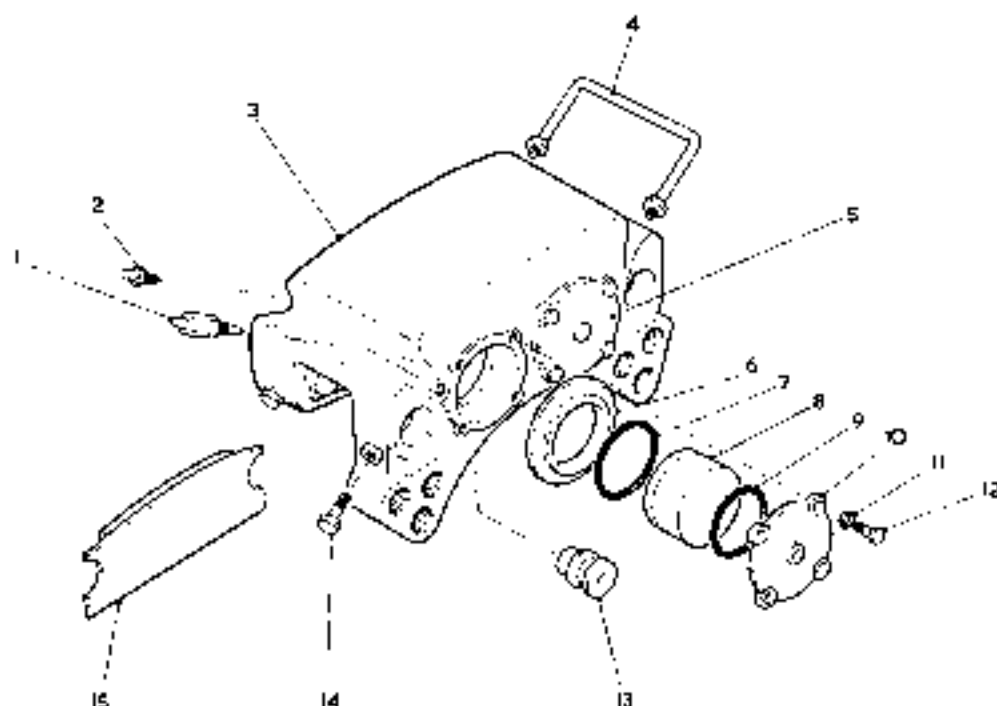
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BRAKE CALIPER ASSEMBLY FRONT

TP 3462

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1		BRAKE HEAD ASSY INC 1-15		7		A PACKING SET 14	4
	121777	SHOCK LH & RH ASSY	2	8	947935	PISTON	4
	121778	+ BRAKE LH & RH ASSY	2	9		B PACKING SET 16	2
		QUANTITIES INDICATED		10	947936	CAP LH & RH	2
		MAKE FOR LINE ASSEMBLY			947937	+ CAP LH & RH	2
2	947928	VALVE HYDRAULIC BLEEDER	1	11	103271	WASHER	8
3	947927	VALVE HYDRAULIC H&P WDER	1	12	104420	BOLT	8
4	947932	TONGUE PLATE LH & RH	1	13	947931	PIN RETAINING	4
	947940	+ TONGUE PLATE LH & RH	2	14	947930	BOLT	4
5	947926	TUBE & NUT ASSY	2	15	947932	CARRIER & LIMING ASSY	2
6	947933	CAP LH & RH	2	16	947939	+ HLPAIN R11 LML 4,7 & V	1
	947934	+ CAP LH & RH	2	17	944770	+ BRAKE DISC	1
8		B BOLT SET 16	4				

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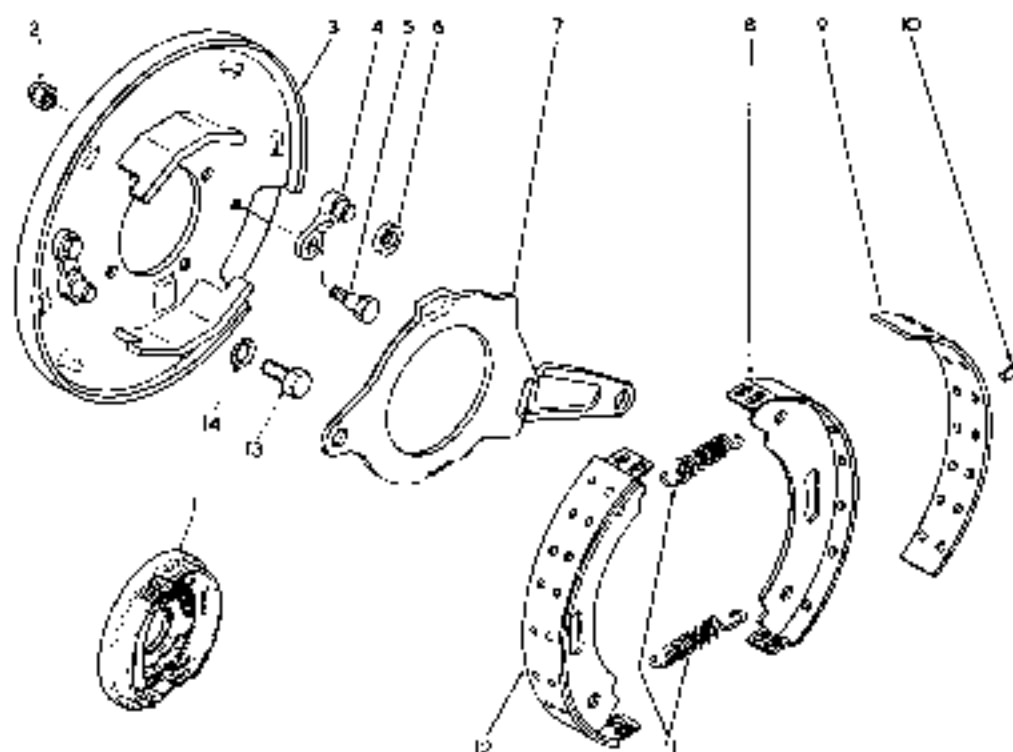
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PARKING BRAKE ASSEMBLY

TP354C

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	230804	BRAKE ASSEMBLY INC 2x10	1	8		SINGLE BRAKE SET 12	
2	430-06	NUT PLATE TO PLATE	2	9	801214	LINING KIT INC 10	1
3	801715	PLATE BACKING INC 2 X 4x6	1	10	231-504	RING	20
4	801213	PAWL KIT INC 2 5 & 6	2	11	801143	SPRING SHOE RETURN	2
5	846714	BOLT PLATE TO PLATE	2	12	801192	SHOE ASSY INC 4x10	2
6	001213	ROLLER	1	13	LC-916	BOLT BRAKE MOUNTING	4
7	801216	LEVER OPERATING CAM	1	14	56-09	LOCKWASHER	4

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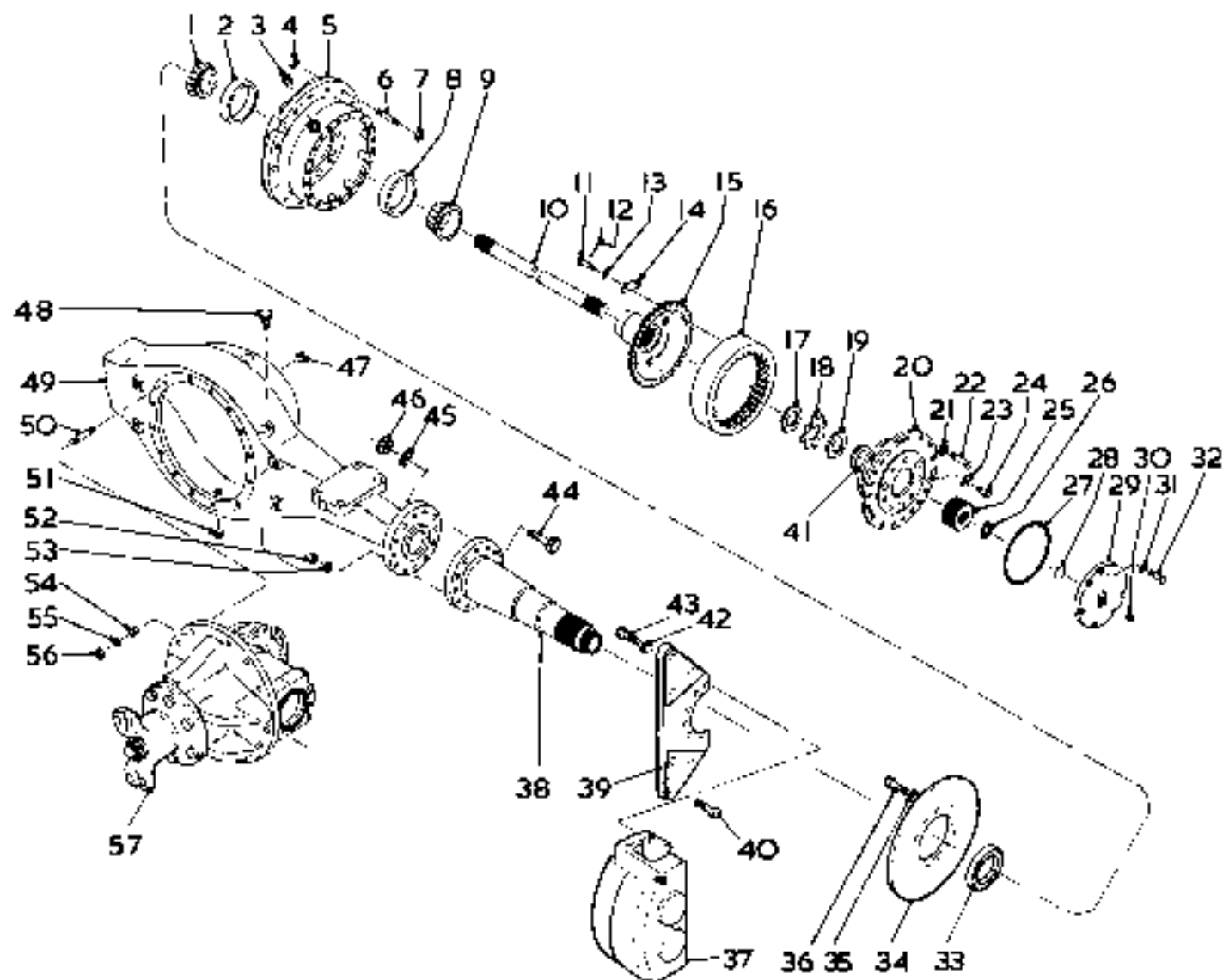
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AXLE ASSEMBLY - REAR

TP 3544

CONSTRUCTION MACHINERY PRODUCTS

AXLE ASSEMBLY-REAR

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	190950	AXLE ASSEMBLY REAR		31	112278	LOCKWASHER	12
		INC 1-57	1	32	10-720	BOLT THROUST CAP	12
1	774025	CONE INNER HUB BEARING	1	33	117417	SEAL HUB GIL	2
2	774024	CUP INNER HUB BEARING	2	34	121776	DISC BRAKE	2
3	119469	PLUG HUB FILLER	2	35	104412	WASHER	16
4	121082	NUT WHEEL STUD	20	36	110894	MULT	16
5	121773	HUB ASSY INC 1-57	2	37		BRAKE HEAD ASSY SEE INDEX	4
6	120210	WHEEL 35MM	20	38	121740	SPINDLE AXLE	2
7	104522	NUT WHEEL STUD	20	39	121784	PLATE DISC BRAKE ADAPTOR	4
8	742262	CUP OUTER HUB BEARING	2	40	121783	SOLE SHAKE ATTACHING	16
9	742263	CONE OUTER HUB BEARING	2	41	119953	RING SUN GEAR THROUST	2
10	114476	SHAFT AXLE	2	42	111656	WASHER	12
11	40-320	SOLE GEAR TO HUB	24	43	110404	BOLT BRAKE HEAD ATTACHING	12
12		ONLY		44	106233	BOLT SPINDLE ATTACHING	16
13	41-08	LOCKWASHER	44	45	104412	WASHER	16
14	119214	PLATE GEAR TO HUB	12	46	106998	NUT	16
15	119213	HUB INTERNAL GEAR	1	47	11F-12	PLUG HOUSING FILLER	1
16	119211	GEAR INTERNAL	2	48	121214	BREATHER	1
17	110559	NUT SPINDLE	2	49	121579	HOUSING	1
18	114310	LOCK SPINDLE NUT	1	50	114347	STUD	10
19	110559	NUT SPINDLE	2	50A	119489	STUD	2
20		CARRIER PLANET SEE INDEX	2	50B	112587	STUD	2
21	106547	WASHER	40	51	117464	PLUG HOUSING DRAIN	1
22	117245	MULT CARRIER TO HUB	40	52	106598	NUT	16
23	3L-09	LOCKWASHER	6	53	104412	WASHER	16
24	10-908	BOLT PLANET PULLEY MILE	6	54	112295	BUNAL	4
25	117446	GEAR SUN	2	55	106547	WASHER	16
26	224023	RING SUN GEAR RETAINING	2	56	640-09	NUT	16
27	111242	O RING CAP TO CARRIER	2	57		GIF & CARRIER SEE INDEX	1
28	106457	WASHER THROUST CAP	2	58	24C-1672	BOLT AXLE TO FRAME	8
29	113289	SUN GEAR THROUST CAP ASSY		59	640-16	LOCKNUT	8
		INC 2B	1				
10	11F-12	PLUG THROUST CAP	2				

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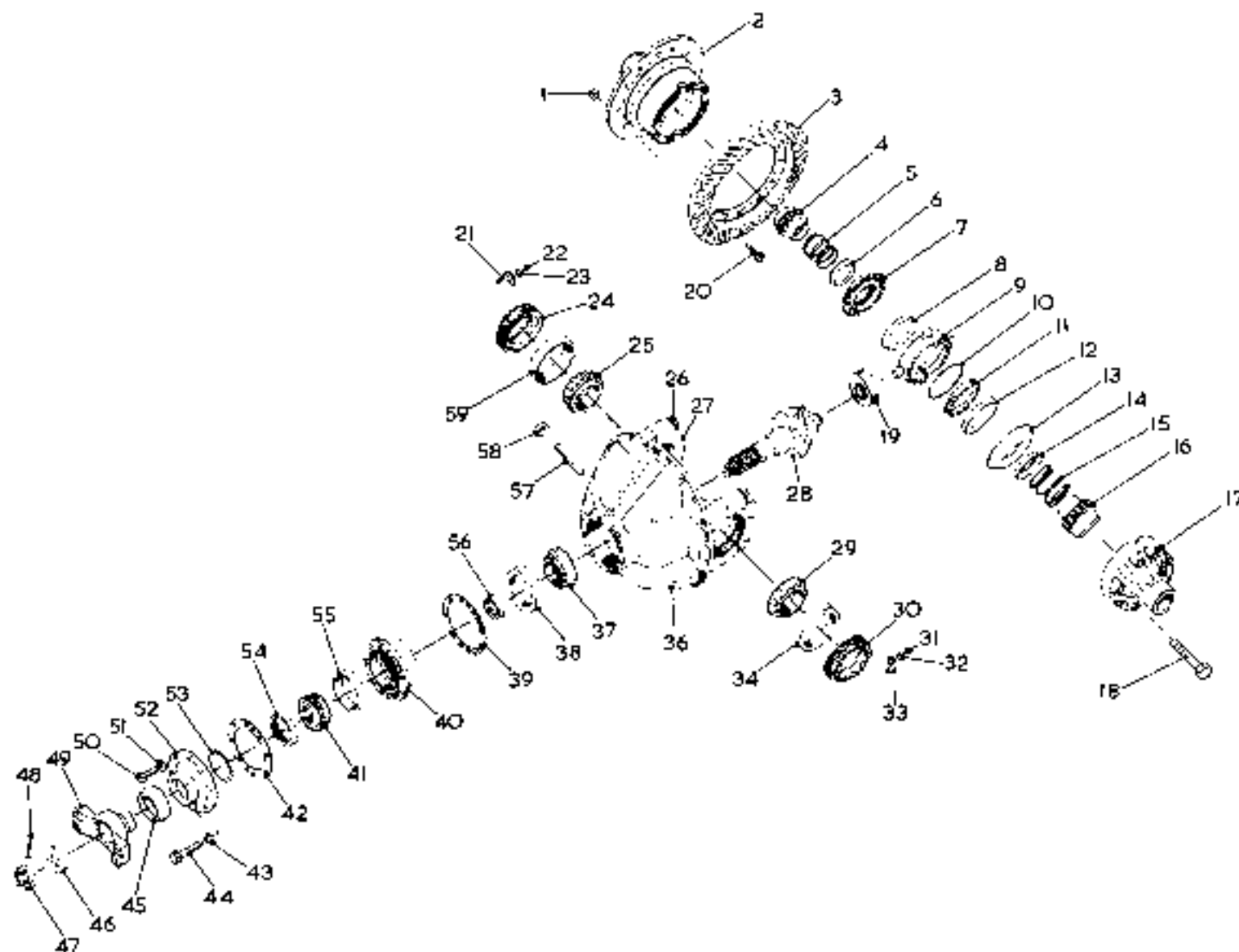
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DIFFERENTIAL AND CARRIER ASSEMBLY — REAR AXLE

TP 3512

CONSTRUCTION MACHINERY PRODUCTS
DIFFERENTIAL AND CARRIER-REAR

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	119192	DIFF & CARRIER ASSY INC		34	675252	CUP DIFFERENTIAL BEARING	1
		1-58	1	35		NUT USED	
	104160	NUT RING GLAR BOLT	12	36	112292	CARRIER ASSY INC 26 & 27	1
2		DIFF CASE SEE 62	1	37	675263	LONG CENTRE PINION BRG	1
3		RING GEAR SEE 61	1	38	675262	CUP CENTRE PINION BRG	1
4	882194	WASH DIFFERENTIAL SIDE	1	39	118351	WASH BEARING CAGE 1004	48
5	642197	SPRING	1	39A	114352	WASH BEARING CAGE 1007	48
6	642198	RETAINER SPRING	1	39B	114353	WASH BEARING CAGE 1008	48
7	482196	CAM & CLUTCH ASSEMBLY	1	40	101211	WASH PLATING INC	1
8	541793	HOLD OUT RING	1	41	675260	CONE OUTER PINION BRG	1
9	541790	SPIDER DIFFERENTIAL	1	42	107483	WASH OIL SEAL RETAINER	1
10	541792	RING SHAFT	1	43	4E-08	LOCKWASHER	1
11	541794	CENTRE CAM	1	44	10-028	BOLT RETAINER LOCATING	1
12	541793	HOLD OUT RING	1	45	101222	SHIELD PINION DUST	1
13	482196	CAM & CLUTCH ASSEMBLY	1	46	101224	WASHER	1
14	642198	RETAINER SPRING	1	47	101223	NUT PINION SHAFT	1
15	882197	SPRING	1	48	1F-740	PI COVER	1
16	642199	GLAR DIFFERENTIAL SIDE	1	49	108871	FLANGE COMPANION	1
17		DIFF CASE SEE 62	1	50	10-1032	BOLT OIL SEAL RETAINING	7
18	118479	BOLT DIFFERENTIAL CASE	4	51	4E-10	LOCKWASHER	7
18A	110523	WASH	8	52	101214	RETAINER PINION OIL SEAL	1
19	675265	BEARING INNER PINION	1	53	101217	GASKET PINION OIL SEAL	1
20	101296	BOLT RING GEAR	12	54	111724	SEAL PINION OIL	1
21	100941	LOCK ADJUSTING NUT	1	55	675249	CUP OUTER PINION BRG	1
22	3C-614	BOLT ADJUSTING LOCK NUT	1	56	675200	NUT SPACER	1
23	4E-06	LOCKWASHER	1	57	121241	SCREW THRUST	1
24	101214	NUT ADJUSTING	1	58	10-018	NUT SCREW THRUST	1
25	675254	LONG DIFFERENTIAL BRG	1	59	121243	DIFFERENTIAL ASSY INC 11	
26	101210	BOLT CARRIER CAP	4			4-10-18 & 20	1
26A	111658	WASHER	4	60	121238	DIFFERENTIAL BODY SUB-	
27		CAP CARRIER ALL 36	1			ASSY INC 4-10 & 18	1
28		PINION SEE 61	1	61	116632	GLAR & PINION SET	
29	675254	LONG DIFFERENTIAL BRG	1			INC 3 & 28	1
30	101211	NUT ADJUSTING	1	62	110240	DIFFERENTIAL CASE KIT INC	
31	3C-614	BOLT ADJUSTING LOCK NUT	1			2-17 & 18	1
32	4E-06	LOCKWASHER	1	63	110344	AD SPIN UNIT INC 4-18	1
33	100941	LOCK ADJUSTING NUT	1				

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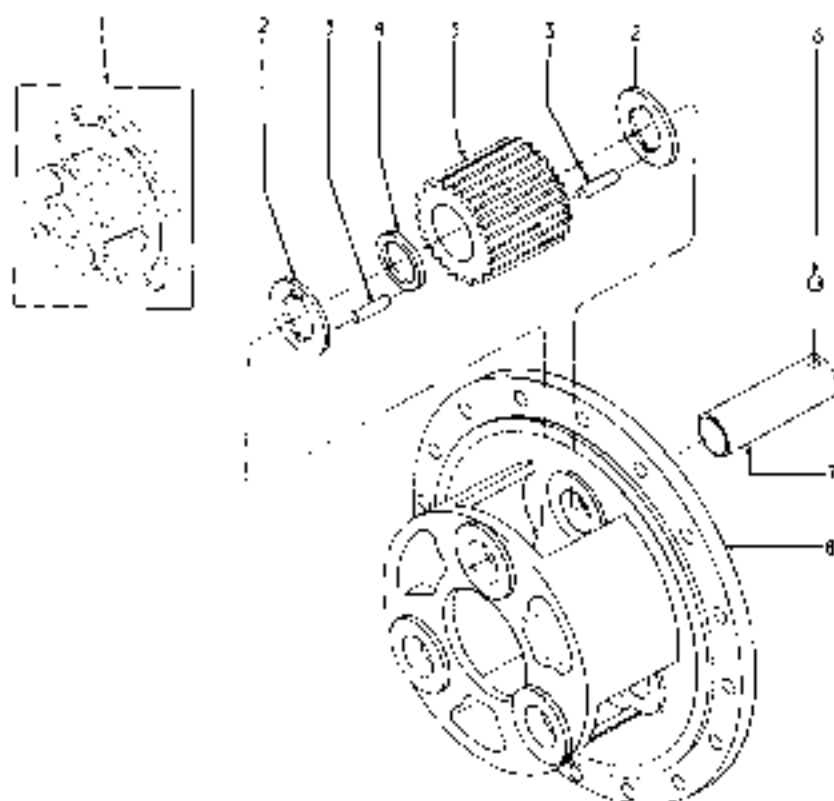
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PLANET CARRIER ASSEMBLY - REAR

TP 2080

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	419021	CARRIER ASSY INC 2-8	2	4	106359	SPACER PINION ROLLER	3
		QUANTITIES INDICATED		5	106364	PINION PLANET	3
		ARE FOR ONE ASSEMBLY		6	100-12	GALL PINION SHAFT	3
2	106357	WHEEL PINION BUSH	4	7	106355	SHAFT PINION	3
3	106351	ROLLER PINION	150	8	117305	SPIDER PLANET	1

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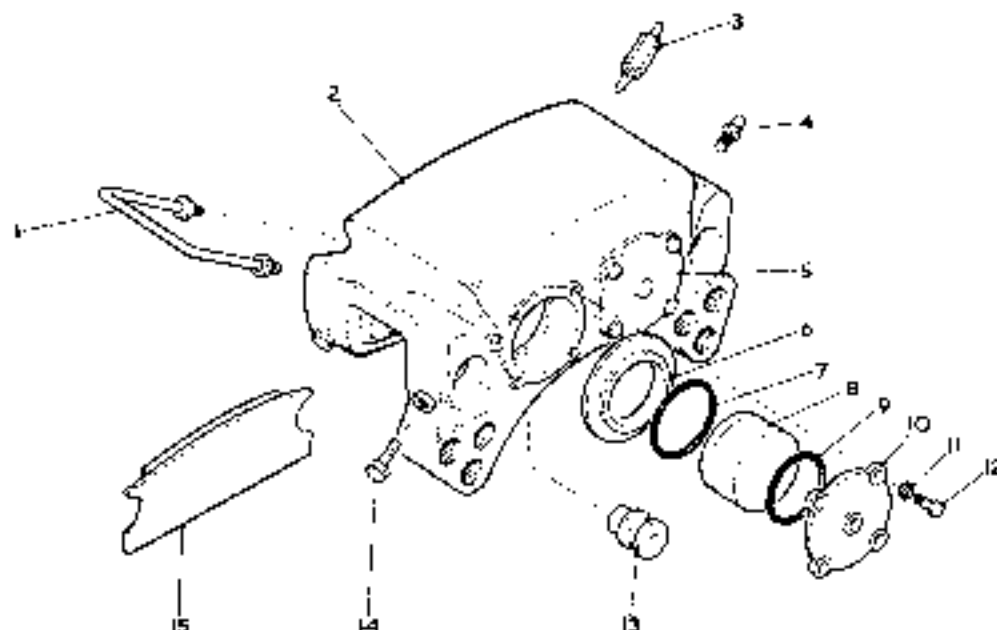
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BRAKE CALIPER ASSEMBLY—REAR

TP 3463

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A		BRAKE HEAD ASSY INC 1-15		7		D PACKING SEE 10	4
	121778	BRAKE RH ASSEMBLY	1	8	947935	PISTON	1
	121777	* BRAKE LH ASSEMBLY	1	9		F PACKING SEE 10	2
		QUANTITIES INDICATED		10	947933	CAP RH ASSY	1
		ARE FOR ONE ASSEMBLY			947534	CAP LH ASSY	1
1	947926	TUBE & NUT ASSY		11	103293	WASHER	8
2	947538	* TORQUE PLATE LH	1	12	10-020	BOLT	8
	947940	TORQUE PLATE RH	1	13	947531	PIN MOUNTING	4
3	947928	VALVE HYDRAULIC BLEEDER	1	14	947930	BOLT	4
4	947927	VALVE HYDRAULIC BLEEDER	1	15	947932	CARRIER & LINING ASSY	2
5	947934	CAP RH ASSY	1	16	947937	* REPAIR KIT INC 6, 7 & 9	1
	947933	CAP LH ASSY	1	17	121776	* BRAKE DISC	1
6		D BOLT SEE 10	4				

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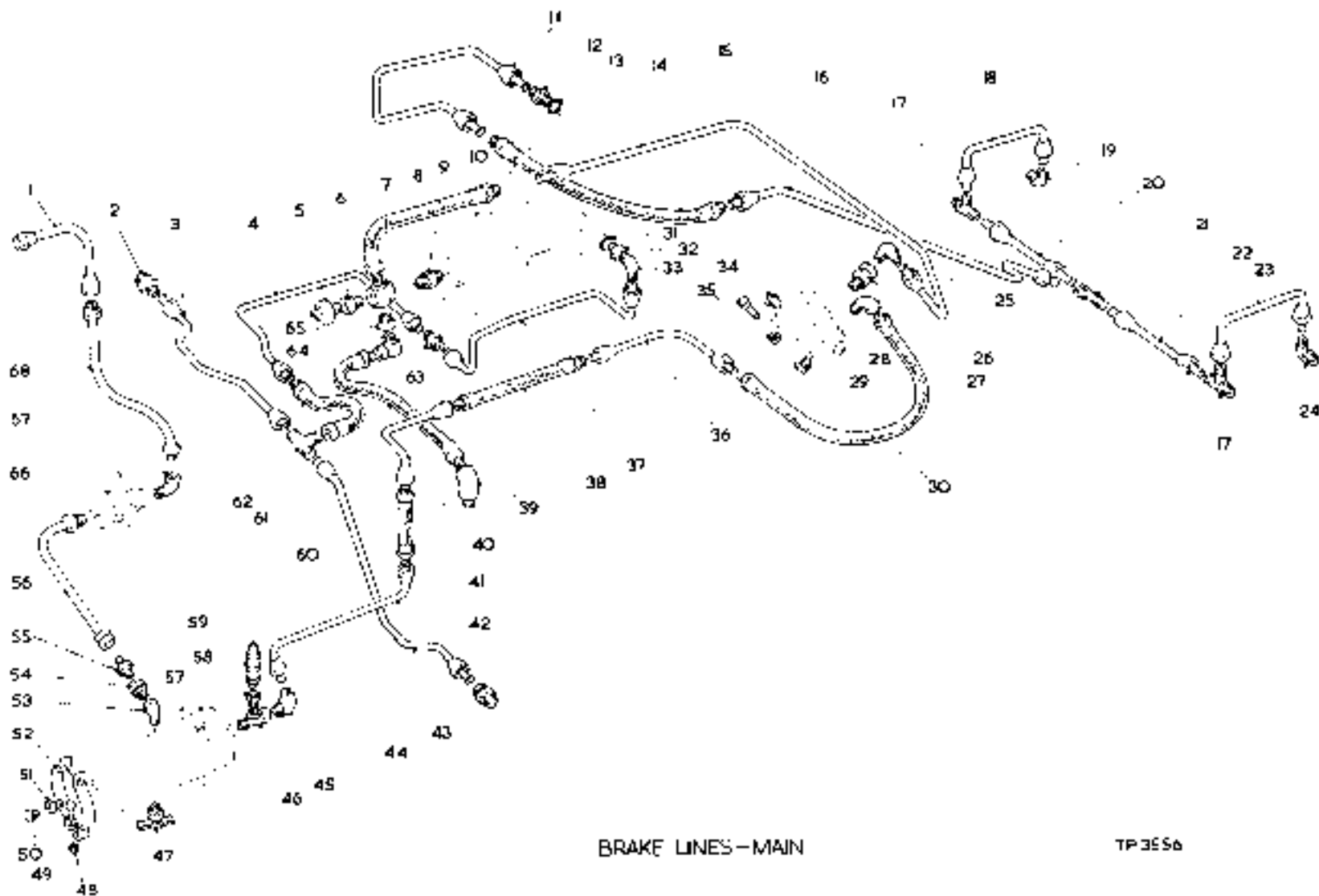
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FROM VW

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42V-0000 FROM TO





EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

BRAKE LINES—MAIN

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3235271	TUBE COMPRESSOR TO VALVE	1	35	24-329	BOLT VALVE MOUNTING	3
1A	32C1366	+ ADAPTOR TUBE / COMPRESSOR	1	35A	18C-05	LOCKNUT	3
1B	32C0261	+ WASHPIK	1	36	548581	TUBE HOSE TO HOSE	1
2	35K-4	CONNECTOR	1	37	1538408	TUBE ASSY	1
3	1544105	TUBE TEE TO BRAKE	1	38	1531983	HOSE ASSY	1
4	1518402	TUBE HOSE IN TUBE	1	39	31F-1	ELBOW	1
5	636266	PRESSURE SWITCH	1	40	1531856	TUBE ASSY	1
6	19F-4	REDUCING BUSHING	1	41	501842	HOSE ASSY	1
7	21F-4	CROSS RIDE	1	42	1531857	TUBE ASSY	1
8	544274	HOSE	1	43	15K-4	CONNECTOR	1
9	19F-6	REDUCING BUSHING	1	44	1544106	TUBE ASSY TEE IN BRAKE	1
9A	5K-306	+ NIPPLE	1	45	42F-9	ELBOW	1
10		PLUMB GUSSET SEE INDEX	1	46	17F-4	TEE	1
11	1538406	TUBE	1	47	12F-4	UNION GUESS	1
12	62F-4	ADAPTOR	1	48	18C-06	LOCKNUT	4
13	613750	O RING	1	49	26-670	BOLT BRACKET MOUNTING	4
14	1538407	TUBE HOSE TO VALVE	1	50	1734335	PRESSURAL SENSIBLE UNIT	1
15	1538394	HOSE	1	51	19F-4	REDUCING BUSHING	1
16	1538410	TUBE	1	52	442814	MOUNTING BRACKET ASSEMBLY	2
17	21K-4	TEE	1	53	25F-4	ELBOW	1
18	1538401	TUBE BRAKE LN	1	54		GPIT	
19	17K-4	ELBOW	1	55	56F-10	CONNECTOR	1
20	1544104	TUBE LN FRONT	1	56	1636144	TUBE ASSY	1
21	10K-4	TEE	1	57	549717	RESERVOIR AIR	1
22	1544103	TUBE LN FRONT	1	58	19F-6	REDUCING BUSHING	1
23	1538401	TUBE BRAKE LN	1	59	507015	VALVE SAFETY	1
24	21K-4	ELBOW	1	60	1541553	HOSE ASSY	1
25	1535235	ELBOW	1	61	20K-4	TEE	1
26	16J-4	ADAPTOR UNION	1	62	1538396	HOSE ASSY	1
27	26F-4	ELBOW	1	63	67F-4	ADAPTOR	1
28		BRAKE VALVE SEE INDEX	1	64	31F-1	ADAPTOR	1
29	25F-08	PLUG	4	65	15F-4	REDUCING BUSHING	1
30	571695	HOSE	1	66		VALVE UNLOADER SEE INDEX	1
31	619750	O RING	1	66A	26-414	+ BOLT VALVE MOUNTING	1
32	1543879	ADAPTOR	1	66B	18C-04	+ LOCKNUT	1
33	84K-4	ELBOW	1	67	26F-4	ELBOW	1
34	13F-04	PLUG	1	68	548305	TUBE ASSY	1

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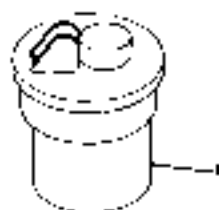
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VALVE KIT INCLUDES
ALL ITEMS SUFFIXED
'D'

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PISTON ASSEMBLY INCLUDES
ALL ITEMS SUFFIXED
'C'

30

MINOR REPAIR KIT INCLUDES
ALL ITEMS SUFFIXED
'B'

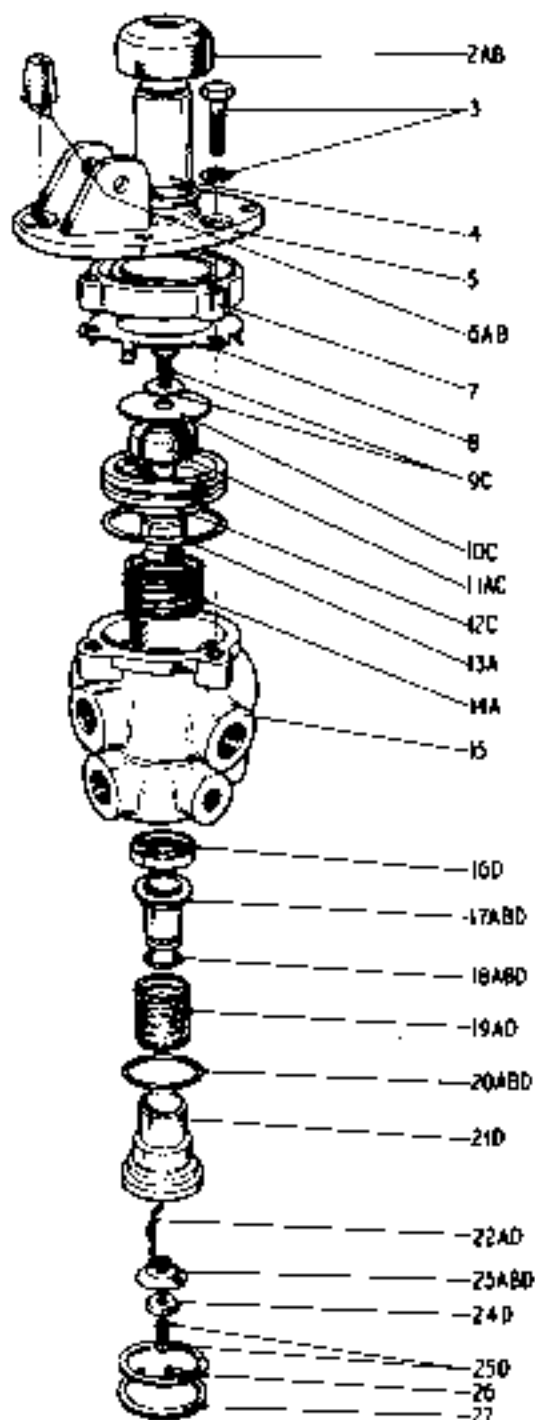
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MAJOR REPAIR KIT INCLUDES
ALL ITEMS SUFFIXED
'A'

28

AIR BRAKE VALVE

TP 207B



CONSTRUCTION MACHINERY PRODUCTS

BRAKE FOOT VALVE

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	554562	VALVE ASSY INC 277472 INC		28		W VALVE SEE 30,31 & 33	1
		1-29	1	29		O RING SEE 30,31 & 33	1
1		W BODY SEE 30 & 31	1	30		SPRING SEE 30 & 33	1
2	3290121	BOLT MOUNTING PLATE	3	31		O RING SEE 30,31 & 33	1
3	3206401	LOCKWASHER	4	32	3290110	SEAT EXHAUST CHECK VALVE	1
4	3290122	PLUNGER	1	33		SPRING SEE 30 & 33	1
5	3206400	PLATE MOUNTING	1	34		DIAPHRAGM SEE 30,31 & 33	1
6		W STOP SEE 30 & 31	1	35	3290115	WASHER DIAPHRAGM	1
7	3290123	SPACER MOUNTING PLATE	1	36	3290116	SCREW DIAPHRAGM	1
8	3290131	RETAINER SPACER	1	37	3290117	LOCKWASHER	1
9	3290102	BOLT PISTON ASSY	1	38	3290120	WASHER	1
10	3290103	WASHER	1	39	3290119	CIRCLIP	1
11	3290104	SEAT SPRING	1	30	3290175	+ KIT MAJOR REPAIR INC 1,6,	
12		W SPRING RUBBER SEE 30 & 32	1			12,14,15,18-21,23 & 24	AR
13	3290100	PISTON	1	31	3290124	+ KIT MINOR REPAIR INC 1,6,	
14		O RING PISTON SEE 30	1			14,19,21 & 24	AR
15		W SPRING PISTON SEE 30	1	32	3290099	+ PISTON ASSY INC 9-13	AR
16	3290105	BODY VALVE	1	33	3290106	+ VALVE ASSY INC 17-27	AR
17	3290107	RETAINER VALVE	1				

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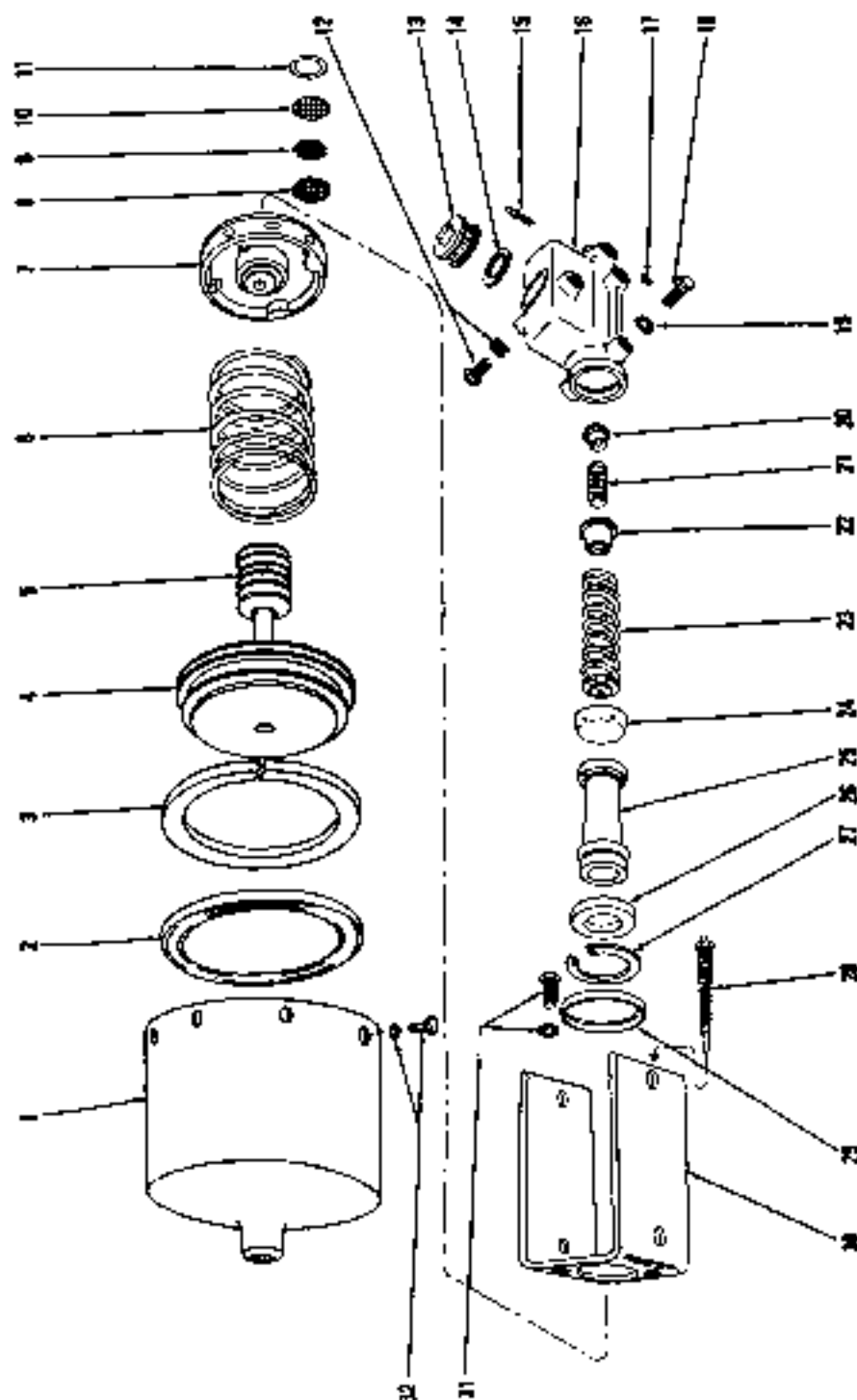
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TP3004

POWER CLUSTER ASSEMBLY

CONSTRUCTION MACHINERY PRODUCTS

BRAKE POWER CLUSTER

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	945055	POWER CLUSTER ASSY		18	2C-714	BOLT LFL TO BRACKET	2
		INC L-32	1	19	4E-07	LOCKWASHER	2
1	945033	SHELL AND CYLINDER	1	20		• VALVE CHECK SET 33	2
2		• CUP PISTON SEE 33	2	21	945020	SPRING CHECK VALVE	2
3		• WIPER PISTON SEE 33	1	22	945042	RETAINER CHECK VALVE	1
4	945032	PISTON AND CYLINDER	1	23	874001	SPRING PISTON RETURN	1
5		• CUP PISTON SEE 33	1	24		• CUP PISTON SEE 33	2
6	945031	SPRING PISTON RETURN	1	25		• PISTON MASTER CYL SET 33	1
7	945028	HEAD ASSY AND CYLINDER		26	874003	PLATE PISTON STOP	2
7A		INC 8-11	1	27	874028	WING STOP PLATE LOCK	1
8	945029	SCREEN FILTERING	1	28	945030	INDICATOR STROKE	1
9	945044	HAIR FILTERING	1	29	945023	BAND MASTER CYL	1
10	945029	SLIPPER FILTERING	1	30	945024	BRACKET	1
11	945043	RING FILTER RETAINING	2	31	1C-618	BOLT BRACKET TO HEAD	3
12	2C-714	BOLT CYLINDER TO BRACKET	2	31A	4E-06	LOCKWASHER	4
12A	4E-07	LOCKWASHER	2	32	1E-510	BOLT HEAD TO CYLINDER	8
13	660295	CAP FILLER	1	32A	6E-05	LOCKWASHER	8
14	660287	GASKET FILLER CAP	1	33	945025	REPAIR KIT	1
15	651009	SCALE CYLINDER BLEEDER	1	34	945800	• HYDRAULIC CYLINDER ASSY	
16		• CASTING MASTER CYL SEE 34	1			INC 13-17 20-27	1
17	14F-04	PLUG MASTER CYLINDER	1				

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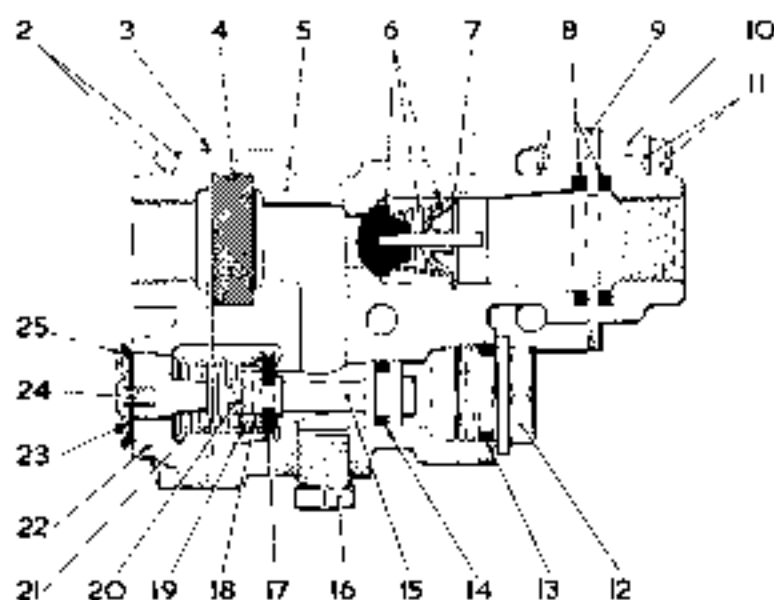
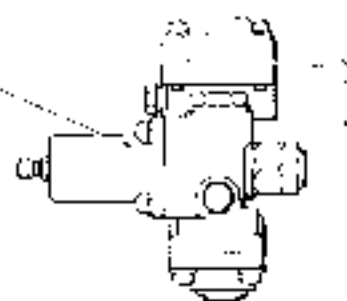
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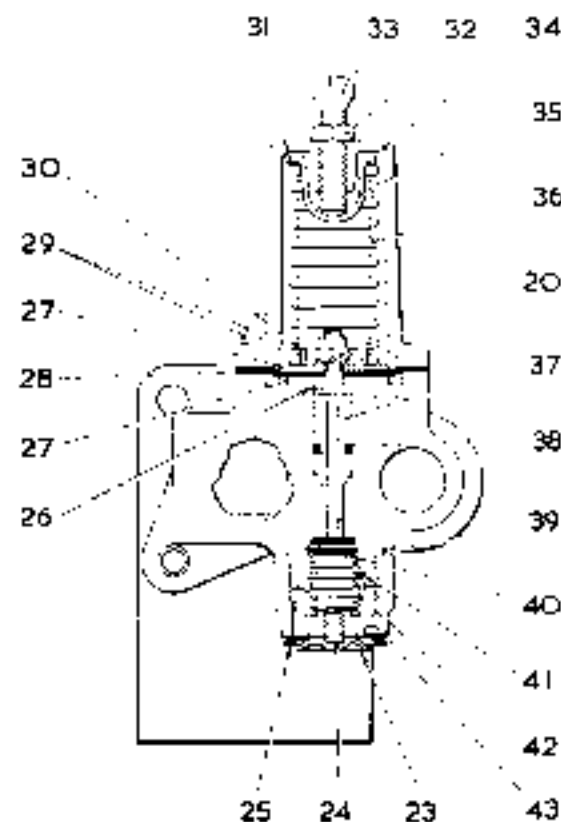
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MAJOR
REPAIR KIT

44

UNLOADER VALVE ASSEMBLY



TP 27B9

CONSTRUCTION MACHINERY PRODUCTS

BRAKE UNLOADER VALVE

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3229410	VALVE BODY LNL 2-40-1	1	25		DIAPHRAGM SEE 44	
2	3291273	SCREEN COVER TO BODY	6	26		SHIM FABRIC SEE 44	
24	3291150	LOCKWASHER	6	27	3291174	FULLCHER UPPER	1
3		□ JOINT SEE 44		27A	3291176	FULLCHER LOWER	1
4		□ FILTER SEE 44		28		□ DIAPHRAGM SEE 44	
5	3291201	NOZZ VALVE	1	29	3291189	SCREEN TOP COVER	4
6		□ VALVE NON RETURN SET 44		29A	3291190	LOCKWASHER	4
7		□ CLIPSEE SEE 44		30	3291172	GUIDE SPRING	1
8		□ RING SEAL SEE 44		31	3291169	WASHER	1
9	3291193	BRACKET VALVE MOUNTING	1	32	3291167	JAM NUT	1
10	3291194	COVER DELIVERY	1	33	3291166	SCREEN ADJUSTING	1
11	3291196	SCREEN COVER TO BODY	2	34	3221104	COVER TOP	1
11A	3291190	LOCKWASHER	2	35	3291170	SEAT SPRING	2
12	3291191	PLUG	1	36	3291171	SPRING	1
13		□ SEAL PLUG SEE 44		37	3291178	PLUNGER VALVE	1
14		□ O RING SEE 44		38		□ SEAL SEE 44	
15	3291200	PLUNGER UNLOADER	1	39		□ WASHER SEE 44	
16	400-06	PISTON	1	40		□ VALVE SEE 44	
17		□ VALVE UNLOADER SEE 44		41		□ GUIDE SEE 44	
18		□ WASHER SEE 44		42		□ SPRING SEE 44	
19	3291204	GUIDE SPRING	1	43	3291194	NUT LAMP ADJUST	1
20	3291173	LOCKHUT VALVE TO PLUNGER	2	44	3291210	□ KIT HOSE REPLACEMENT LNL 1, 4, 6, 7, 13, 14, 17, 18, 21, 25, 26, 28, 29, 42	AR
21		□ SPRING SEE 44		45	20-414	□ UGLI VALVE MOUNTING	2
22	3291206	CLIP JOINT	1	45A	120-04	□ LOCKHUT	2
23	3291186	WASHER DIAPHRAGM	2				
24	3291187	SCREEN DIAPHRAGM	2				

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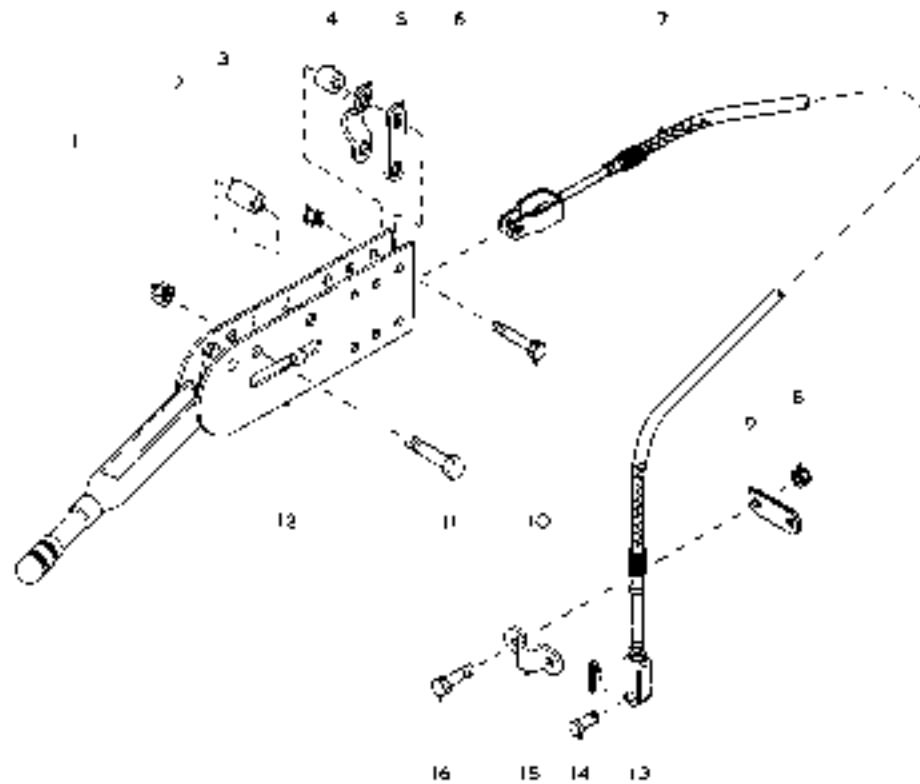
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PARKING BRAKE LINKAGE

TP 3530

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	180-06	NUT LEVER MOUNTING	2	8		UNIT	
1A	545002	SPACER LEVER MOUNTING	1	9	643092	LINK CABLE CLAMP	1
2	545005	SPACER LEVER MOUNTING	2	10	2C-528	BOLT CABLE MOUNTING	2
3	180-05	NUT CABLE MOUNTING	2	11	14-044	NUT LEVER MOUNTING	2
3A	543006	SPACER LEVER MOUNTING	1	12		LEVER ASSEMBLY BALL INDEX	1
4	545006	SPACER CABLE MOUNTING	2	13	1F-312	SPLIT PIN	1
5	544512	CLAMP CABLE	1	14	4F-06106	CLEVIS PIN	1
6	645092	LINK CABLE CLAMP	1	15	544514	CLAMP CABLE	1
7	1531660	CABLE PARKING BRAKE	1	16	2C-512	BOLT CLAMP	2

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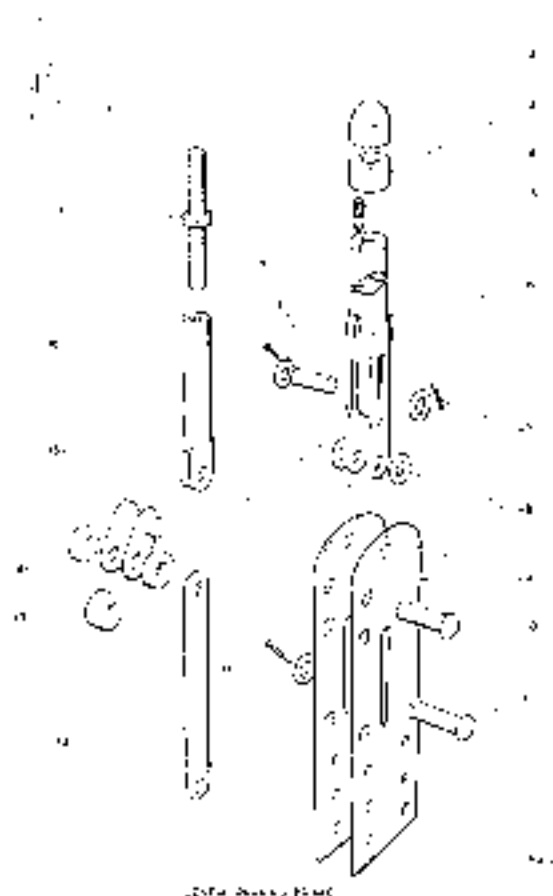
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3214830	LEVER ASSY INC 2-17	1	10	3250398	PIVET	1
2	3290407	CAP ADJUSTING WOOD	1	11	3250394	PIN CUSTER	2
3	3250406	HOUSING SPRING BALL	1	12	3250404	WASHER	2
4	3290392	SPRING	1	13	3290403	PIN SPLIT	1
5	3250401	BALL BEARING	1	14	3290402	LINK ADJUSTING SCREW	1
6	3290405	BLDT & RUSH ASSY	2	15	3290395	SPACER PIVOT CENTRE	1
7	3290400	PIN LINK TO TUBE	1	16	3250396	SPACER PIVOT WIPER	2
7A	3250404	WASHER	2	17	3250397	BRACKET PIVOT	2
7B	3250403	PIN SPLIT	2	18	3290401	CLEVIS TUBE	1
8	3250399	WASHER HOVY IN BRACKET	2	19	3250390	SCREW ADJUSTING	1
9	3290393	BRACKET LLYER MOUNTING	2				

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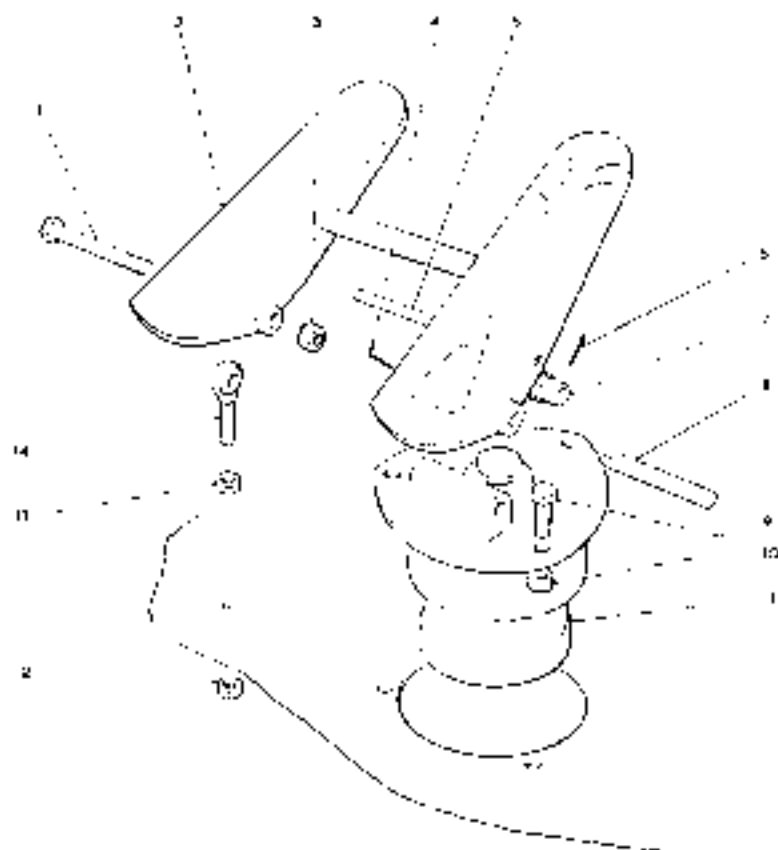
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BRAKE FOOT CONTROLS

TP3052

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	24C-644	BOLT PEDAL TO BEARING	1	8	875767	PIN PEDAL TO VALVE	1
2	944659	PEDAL ASSEMBLY	1	9	2C-520	BOLT VALVE MOUNTING	3
3	640-04	LOCKNUT	1	10	140-05	LOCKNUT	3
4	1F-320	PIN LIFTER	1	11		VALVE ARM BRAKE SEE INDEX	1
5	875766	PIN PEDAL TO HILLER	1	12	640-06	NUT BEARING MOUNTING	1
6	1F-112	PIN COTTER	1	13	80-06	NUT BEARING JAM	1
7	516254	HILLER PEDAL	1	14	1525429	BEARING SPHERICAL	1

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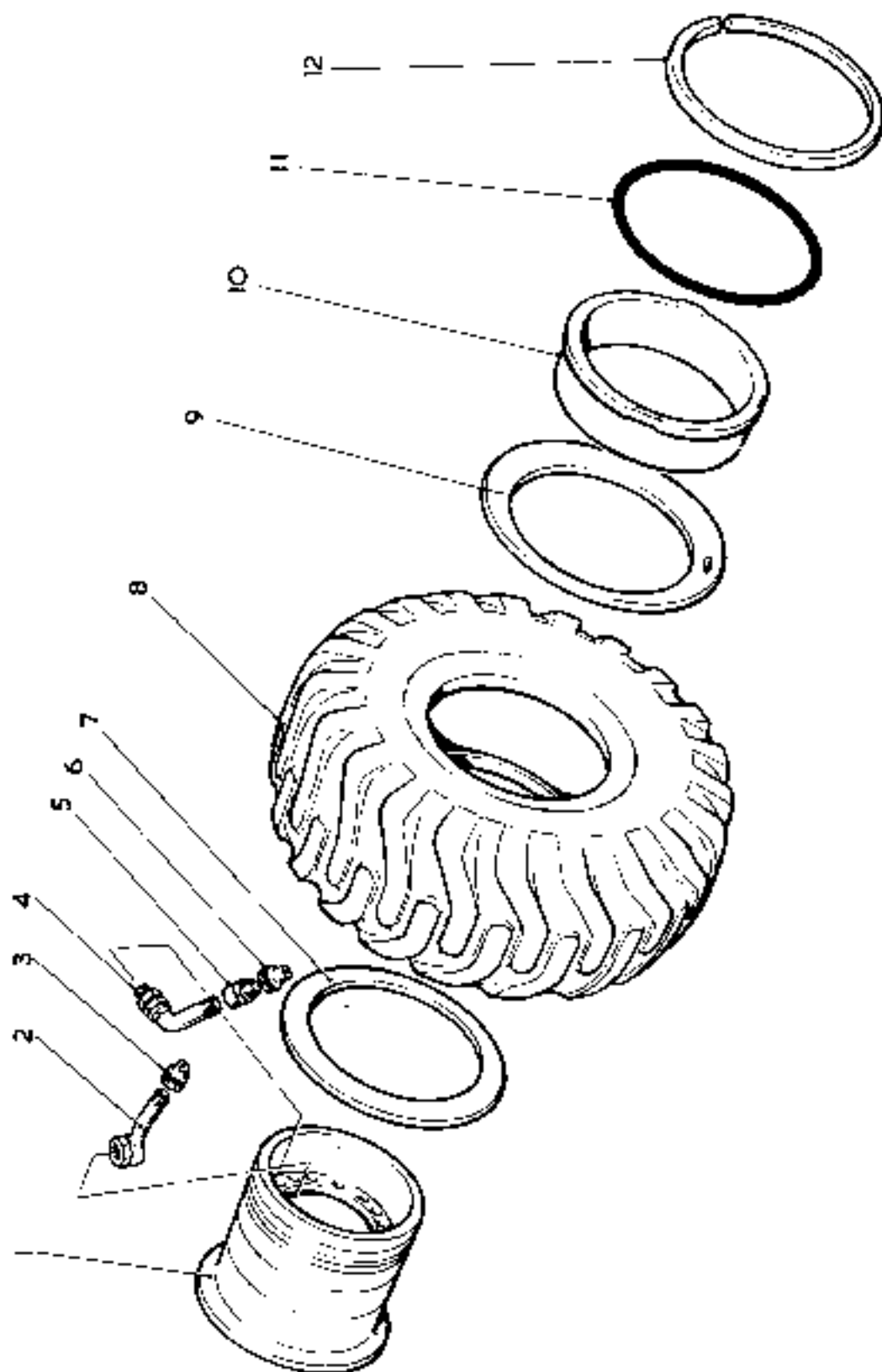
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TP3171

WHEEL AND TYRE



EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

WHEEL & TYRE-DATA

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
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WHEEL ASSY., 20.5 x 25 TUBELESS

1	3229136	WHEEL ASSY FOR 20.5 x 25		5	551684	ADAPTOR	1
		TUBELESS TYRES INC 1,		6	551685	CAP VALVE	4
		7 x 7=12	4	7	551686	FLANGE	4
		REF PL 1527689		8		TYRE	
1	558566	WHEEL	4	9	551686	FLANGE	4
2		UNIT		10	553956	RAND HEAD SEAT	4
3		UNIT		11	580278	O RING	4
4	509445	STEM VALVE INC 5 & 6	4	12	580279	LOCK RING	4

WHEEL ASSY., 23.5 x 25 & 23.5 x 25 (XR) TUBELESS

1	3214162	WHEEL ASSY FOR 23.5 x 25		4	509445	STEM VALVE INC 5 & 6	4
		x 23.5 x 25 (XR)		5	551684	ADAPTOR	4
		TUBELESS TYRES INC 1,		6	551685	CAP VALVE	4
		7, 9=12	4	7	551686	FLANGE	4
		REF PL 1527689/1514601		8		TYRE	
1	559440	WHEEL	4	9	551686	FLANGE	4
2	531112	STEM VALVE INC 2A, 2B & 4	4	10	553956	RAND HEAD SEAT	4
2A	574605	+ NUT	4	11	580278	O RING	4
2B	529638	+ GASKET	4	12	580279	LOCK RING	4
3	531111	CAP	4	13	573266	+ SEAL BRAD FLANGE AS ONLY	8

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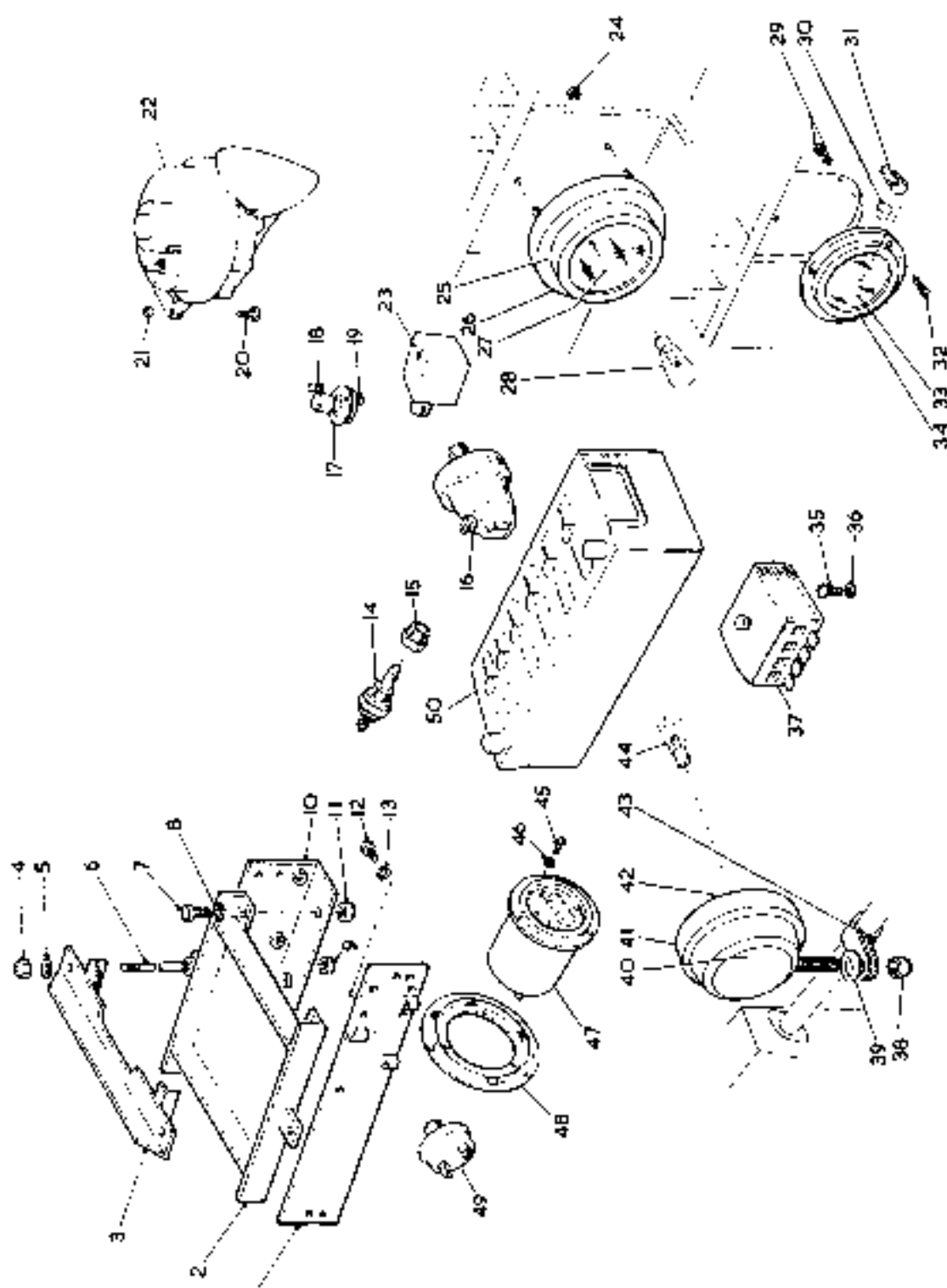
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TP3553

ELECTRICAL EQUIPMENT



CONSTRUCTION MACHINERY PRODUCTS
ELECTRICAL EQUIPMENT

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	1531795	CARRIER REAR	1	28	3224545	BULB	2
2	1531749	BATTERY BOX	1	29	140-10	HUI LAMP MOUNTING	4
3	3229206	WELD GUN	1	29A	175-10	WASHER	6
4	170-2	LOCKNUT	2	30		LHIT	
5	604422	WASHER	4	31	3220984	HUI	2
6	3229477	STUD	2	32	74-1017	SUNLAMP MOUNTING	6
7	20-020	BOLT NUT TO CARRIER	4	33	1111440	LENS	2
8	074024	WASHER	4	34	562491	LAMP TAIL & YOUN INC 35	2
9	70-05	NUT	4	35	3220852	SUNLAMP MOUNTING	2
10	1541436	CARRIER FRONT	1	36	140-10	LOCKWASHER	2
11	140-06	LOCKNUT	4	37	3222525	FUSE BOX INC JTD & 3/5	1
12	10-016	BOLT CARRIER MOUNTING	8	37A	5200724	4 FUSE 0 AMP	1
13	4E-06	LOCKWASHER	4	37d	1470724	4 FUSE 45 AMP	3
14	3200221	SENDER UNIT TEMPERATURE	2	37L	3233583	4 MOUNTING INSULATED	1
14A	140-10	HUI SENDER UNIT	2	38	140-08	LOCKNUT	4
14B	140-10	4 WASHER SENDER UNIT	2	39	602440	SPACER	2
14C	4044500	4 FIBRE WASHER	2	40	1424157	LAMP BODY INC 42 & 42	2
15	3200337	ADAPTION CONVERTER SENDER		41	3250414	RETAINER	2
15A	3210339	ADAPTION ENGINE SENDER		42	3250413	LIGHT UNIT	2
16	1010574	SENDER UNIT OIL PRESSURE	1	43	543444	CLAMP	2
16A	140-10	HUI SENDER UNIT	1	44	3224545	BULB	2
16B	140-10	4 WASHER SENDER UNIT	2	45	10-006	SUNLAMP MOUNTING MOUNTING	5
17	774570	SWITCH WREN FOOT	1	46	142-06	LOCKWASHER	3
18	20-414	BOLT SWITCH TO FLOOR	2	47	1054134	HOURMETER	1
19	180-06	LOCKNUT	4	48	551251	DAMPENER VIBRATION	1
20	14-418	BOLT FURN MOUNTING	2	49	572421	SWITCH PRESSURE	
21	170-1	LOCKNUT	2	50	3220948	BATTERY	2
22	3215046	WREN	1	51	3225459	4 CABLE BATTERY TO BATTERY	1
23	3224303	ADAPTION ENGINE	1	52	3221171	4 CABLE STARTER TO BATTERY	1
23A	1270067	4 LOCKER WASHER	1	53	5721121	4 CABLE BATTERY TO STARTER	1
24	500-10	HUI LAMP MOUNTING	6	54	3225465	4 CABLE BATTERY TO STARTER	1
25	3224356	LAMP ASST INC 20 & 27	2	55	3224451	4 WIRING HARNESS ENGINE	1
26	1740414	RELAY	2	56	3234254	4 WIRING HARNESS ELECTRICAL	1
27	3220413	LIGHT UNIT	2	57	3225470	4 CABLE BATTERY TO STARTER	1

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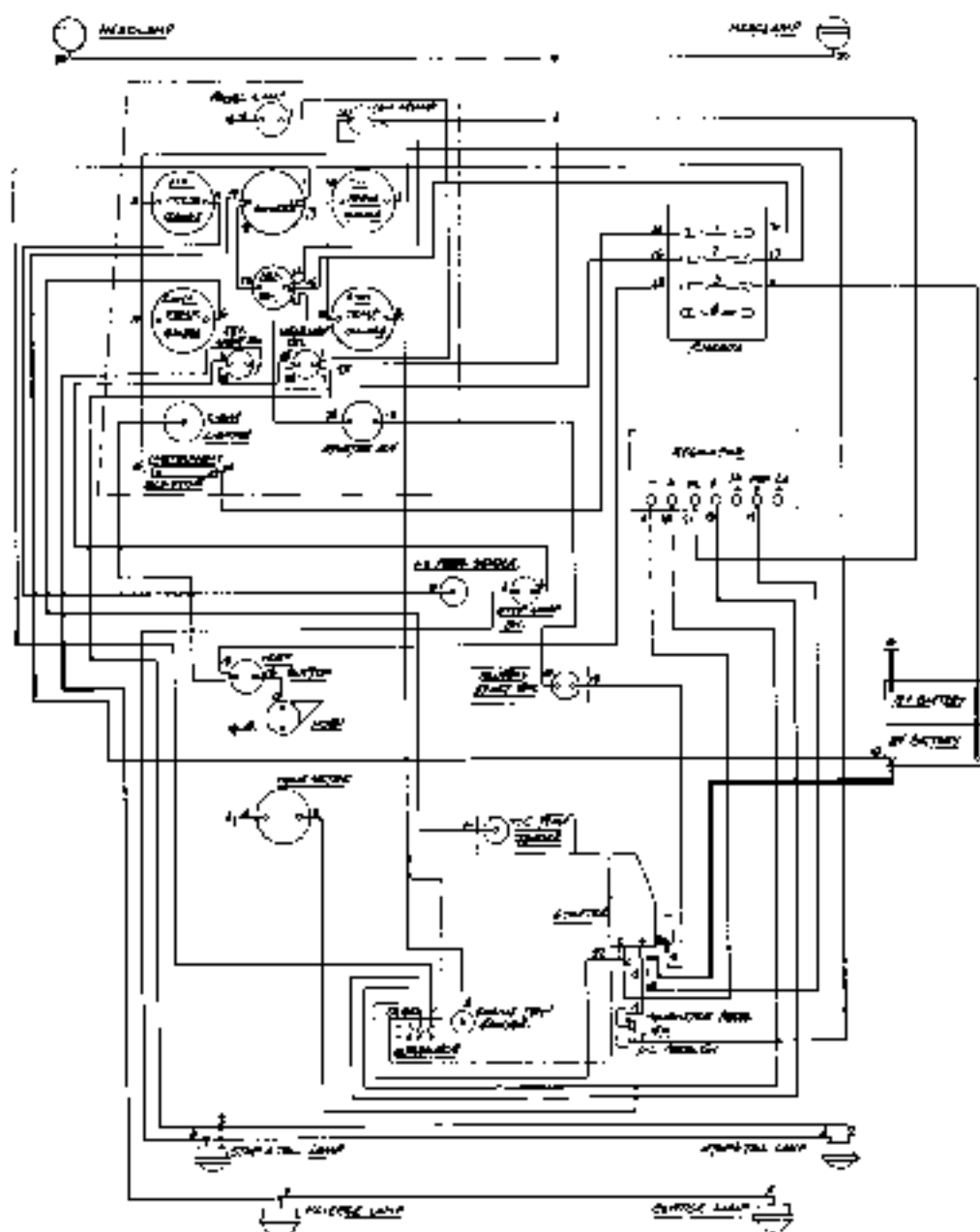
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No	SIZE	COLOR	No	SIZE	COLOR
1	1/4" x 1/2"	RED & BLUE	13	2" x 1/2"	WHITE & BLACK
2	1/4" x 1/2"	BLUE & WHITE	14	2" x 1/2"	BROWN & WHITE
3	1/4" x 1/2"	GREEN	15	2" x 1/2"	BLACK
4	2" x 1/2"	BLACK	16	2" x 1/2"	BLACK & RED
5	2" x 1/2"	BLUE & RED	17	1" x 1/2"	RED & BLUE
6	1/4" x 1/2"	BROWN & BLUE	18	2" x 1/2"	YELLOW & GREEN
7	1/4" x 1/2"	RED & YELLOW	19	2" x 1/2"	WHITE & BLACK
8	1/4" x 1/2"	YELLOW & RED	20	2" x 1/2"	WHITE & WHITE
9	1/4" x 1/2"	YELLOW	21	2" x 1/2"	BROWN & GREEN
10	1/4" x 1/2"	RED	22	1/4" x 1/2"	BLACK
11	2" x 1/2"	RED & GREEN	23	2" x 1/2"	RED & BLACK
12	2" x 1/2"	GREEN & RED	24		

FUSE	CIRCUITS
1	BATTERIES
2	LIGHTS
3	HORN & LIGHTER
4	SPARK

TP3562

CIRCUIT WIRING DIAGRAM

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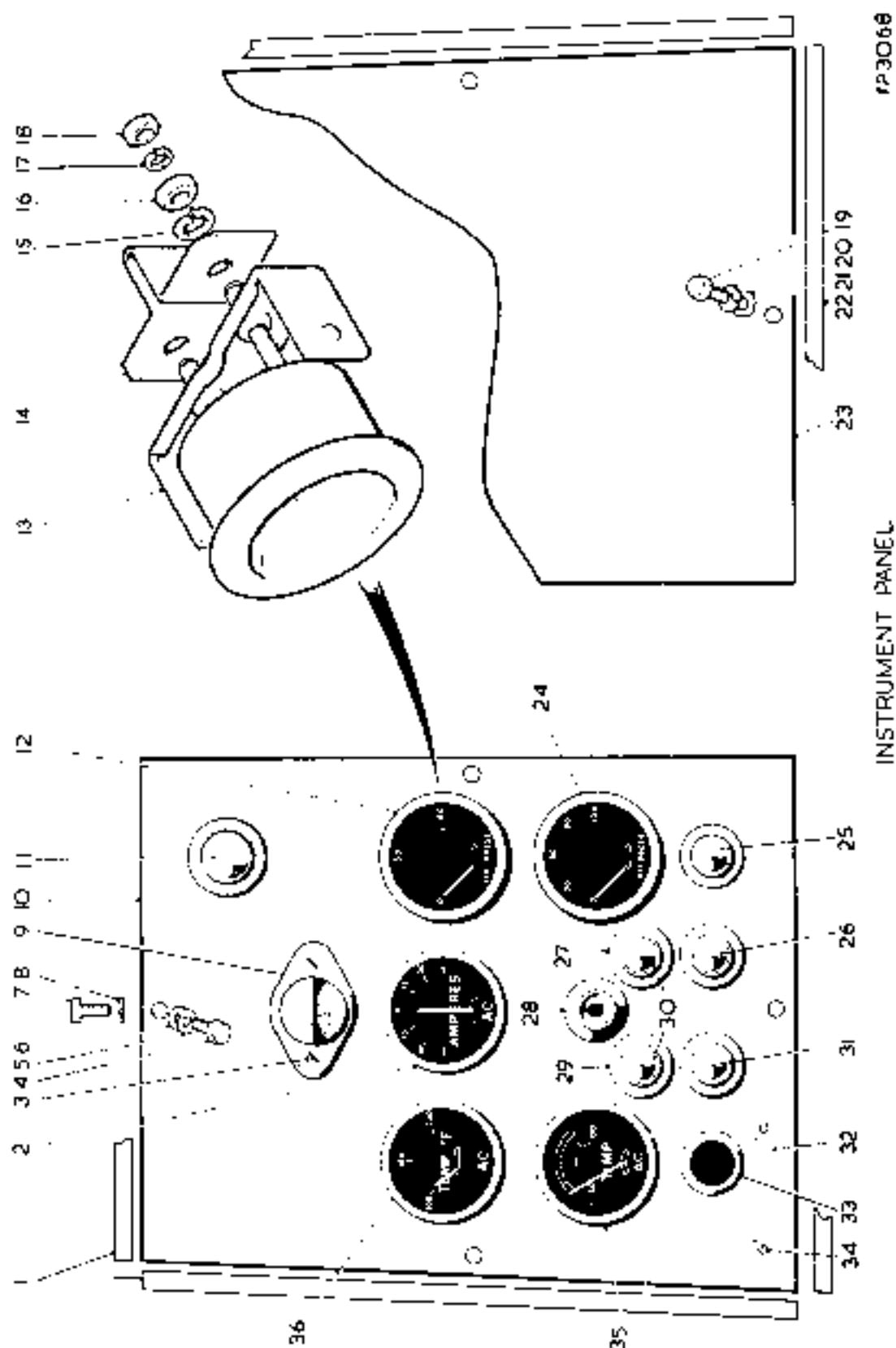
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EUROPEAN AREA

MICHIGAN

CONSTRUCTION MACHINERY PRODUCTS

INSTRUMENT PANEL

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	3229503	STRIP SEALING LH PANEL	AR	20	41-04	LOCKWASHER	2
2	3224102	AMMETER	1	21	564421	WASHER	2
3	3229501	SCREW PANEL LIGHT	2	22	3229503	STRIP SEALING RH PANEL	AR
3A	3220857	* LOCKWASHER	2	23	1224040	PANEL INSTRUMENT RH	1
4	11-410	BOLT PANEL TO COCKPIT	4	24	1534140	GAUGE OIL PRESSURE	1
5	4E-04	LOCKWASHER	4	25	3232820	SWITCH STARTER	1
6	554470	WASHER	4	26		UNIT	
7	24-012	BOLT SEALING CAB INTO HOLE	2	27		* NAMEPLATE HEAD/TAIL	1
8	3220836	WASHER FLARE	2	28	3222620	SWITCH IGNITION	1
9	3234205	LIGHT PANEL	1	29		* NAMEPLATE REVERSE	1
9A	3223454	+ BOLT 24V	3	30	3227780	SWITCH LIGHTS	2
10	3232919	PANEL INSTRUMENT LH	1	31		UNIT	
11	3224675	JUNCTION WARNING LAMP	1	32	554484	RESISTOR	1
11A	3204965	+ BOLT 24V	1	33	3209565	RECEPTACLE LIGHTER	1
12	1534155	GAUGE OIL PRESSURE	1	33A	3209565	+ ELEMENT	1
13	1534156	LAMP GAUGE TO PANEL	2	34	10-6011	SCREW	2
14		UNIT		34A	1TE-0	+ LOCKWASHER	2
15	12E-10	LOCKWASHER	4	34B	14D-0	+ NUT	1
16	14D-10	NUT TERMINAL TO GAUGE	4	35	3200105	GAUGE CONVERTER TEMP	1
17	12E-06	LOCKWASHER	4	36	3200107	GAUGE ENGINE TEMP	1
18	12D-06	NUT TERMINAL TO GAUGE	4	37	302435	+ GROMMET	1
19	11-410	BOLT PANEL TO COCKPIT	2	38	1221494	+ GROMMET	1

* NOTE: SEE INDEX FOR LOCATION OF ITEMS

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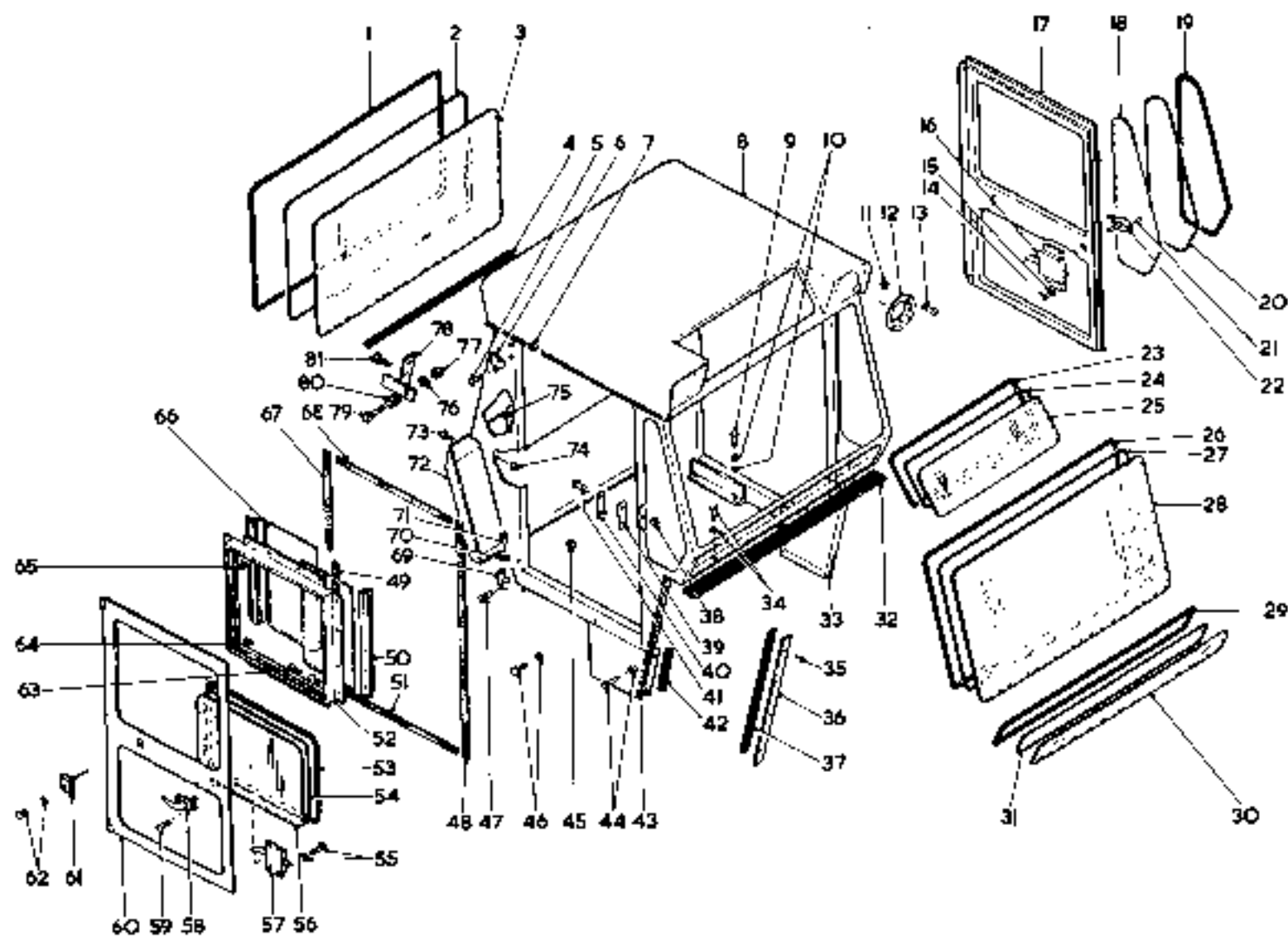
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CAB ASSEMBLY-FULLY ENCLOSED

TP3570

CONSTRUCTION MACHINERY PRODUCTS

CAB ASSEMBLY

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
A	3224561	CAB ENCLOSED INC 1=82	1	32	3224613	STRIP SEALING	1
	3235907	CAB BODY INC 1=3 3=0 11=		33	3224599	PANEL LOWER QUARTER LH	1
		31.38=51 45=71 & 75=81	1	34	10=530	WLT CAB TO COCKPIT	2
1	3224805	MOULDING LOWER WINDOW	1	340	619023	WASHER	2
2	3223811	STRIP FILLER	1	348	3221750	* LOCKWASHER	2
3		□ GLASS PATTERN SEE B2		35	100=406	SCREW CONTAINER	10
4	3227459	STRIP SEALING	1	36	3227461	RETAINER SEALING STRIP	2
5	86=516	SCREW UPPER HINGE	4	37	3227460	STRIP SEALING	2
6	3223910	HINGE UPPER INC 71	2	38	100=04	LOCKNUT HIGH STRIKE	4
7	100=05	LOLANGE UPPER HINGE	4	39	3224424	LOCKPLATE LOWER STRIKE	2
8		□ CAB SEE A		40	545570	STEEL DOOR LOCK	2
9	10=620	WLT CAB TO COCKPIT	4	41	20=412	BOLT LOWER STRIKE	4
10	3221750	LOCKWASHER	4	42		UNIT	
10A	619023	WASHER	4	43	3226996	PANEL LOWER QUARTER RH	1
11	510=10	LOCKNUT ADAPTER	8	44	10=412	BOLT PANEL TO COCKPIT	8
12	568675	ADAPTER HEADLIGHT	2	44A	100=1	LOCKNUT	8
13	28=1018	SCREW ADAPTER	4	45	180=05	LOCKNUT LOWER HINGE	4
14	3220852	STEEL DOOR LOCK	4	46	10=410	BOLT PANEL TO CAB	4
15	17E=10	LOCKWASHER	4	46A	4E=04	LOCKWASHER	4
16	1224425	LOCK LOWER HINGE	1	47	86=516	SCREW LOWER HINGE	4
16A	3224429	* PALMER	1	48	568667	SEAL DOOR FRONT	2
17	3236080	DOOR LH INC 1=16 21,22,		49	3227461	STRIP SEALING	2
17		40,51,53,54,56,57,62,		50	1224425	HANDLE SLIDING GLASS	4
17		67 & 68	1	51	568668	SEAL DOOR BOTTOM	2
18		□ GLASS PATTERN SEE B2		52	3236061	WINDOW UNIT INC 44,50 &	
19	3223807	MOULDING QUARTER WINDOW	2	52		63=20	2
20	3223813	STRIP FILLER	2	52A	100=406	* SCREW WINDOW UNIT	32
21	3220881	SCREW DOOR HANDLE	2	53	3233090	MOULDING DOOR WINDOW	4
22	3222353	HANDLE DOOR LH	1	54	3232590	STRIP FILLER	2
23	3223806	MOULDING ROOF WINDOW	1	55	3220852	STEEL DOOR LOCK	4
24	1223812	STRIP FILLER	1	56	170=10	LOCKWASHER	4
25		□ GLASS PATTERN SEE B2		56		□ GLASS PATTERN SEE B2	
26	3223808	MOULDING FRONT WINDOW	1	57	3224425	LOCK LOWER HINGE	1
27	3223814	STRIP FILLER	1	58	3212353	HANDLE DOOR RH	1
28		□ GLASS PATTERN SEE B2		59	3220881	SCREW DOOR HANDLE	2
29	3223809	MOULDING LOWER WINDOW	1	60	3236075	DOOR RH INC 48,51,51=62	
30		□ GLASS PATTERN SEE B2				67 & 68	1
31	3223815	STRIP FILLER	1				

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CONSTRUCTION MACHINERY PRODUCTS

CAB ASSEMBLY (Continued)

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
61	3227391	LATCH ASSY DOOR	2	74	120-1	LOCKBOLT	2
62	3220551	SCREEN DOOR LATCH	6	75	3237000	PLATE	2
62A	132-10	BULKWASHER	6	76	616776	WASHER	2
63	1222456	BULK SLIDING GLASS	4	77	3220859	NUT	2
64	3292460	RUBBER STOP	8	78	3233107	STRIKE ASSY LATCH RH	1
65	3232457	BRACKET WINDOW FRAME	2	78A	3225149	+ STRIKE ASSY LATCH LH	1
65A	3222458	SCREEN BRACKET IL FRAME	4	79	3221865	SCREEN BUMPER	2
66		U GLASS PARTIAL VEL 62		80	3215446	BUMPER RUBBER	2
67	3224563	SEAL DOOR REAR	2	81	20-416	BOLT SINK TO CAB	4
68	568008	SEAL DOOR TOP	2	81A	4E-04	+ BULKWASHER	4
69	3224064	HINGE LOWER INC 71	2	81B	616020	+ WASHER	4
70	609423	WASHER DOOR HINGE	4	82	3227458	+ STRIP SEALING	2
71	568700	BUSHING DOOR HINGE	6	82A	3227462	WEATHER SEALING STRIP	2
72	3224597	PANEL BLANK	1	83	3210114	+ DECAL LOWER MOUNTING	1
73	1C-616	BOLT PANEL TO COCKPIT/CAB	7	84		MTT MOUNTING PATTERN INC 1	
73A	616020	+ WASHER	7			16 25 28 36 56 4 46	1

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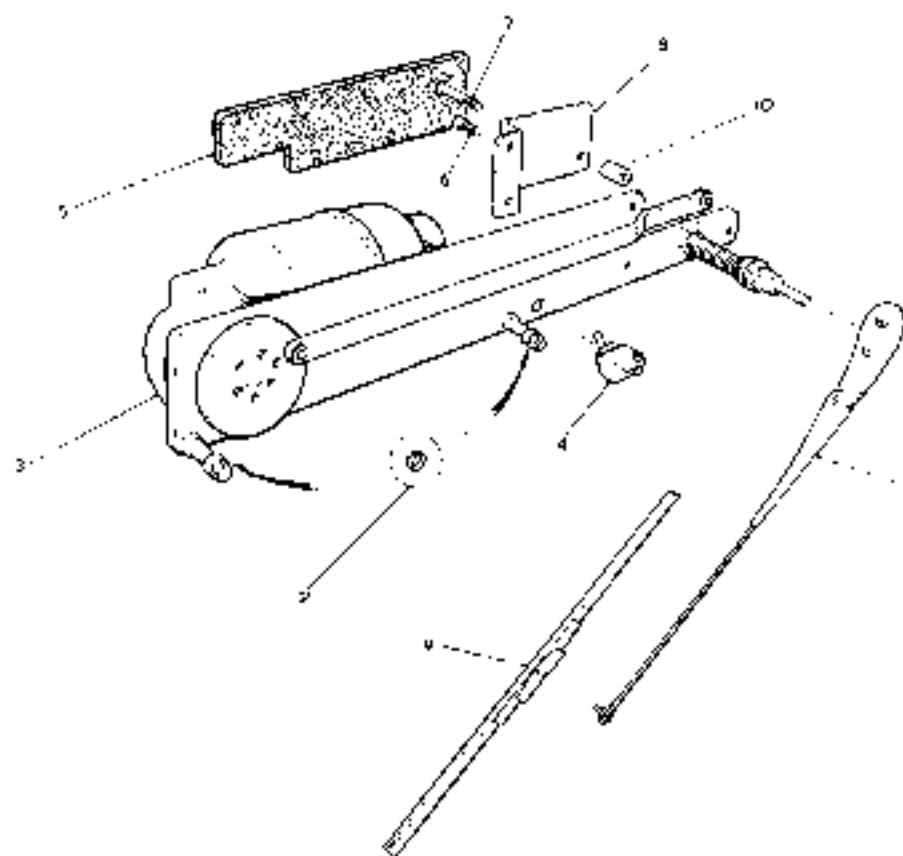
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WINDSCREEN WIPER KIT

TR 2444

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	PL 3224676	WIPER KIT FRONT 24V	1	4	3204356	SWITCH TOGGLE	1
		INCL 1-4, 6-11	1	5	3224555	STRIP RUBBER REAR	1
	PL 3224677	WIPER KIT REAR 24V	1	6	666-1006	SCREEN LOWER PLATE	2
		INCL 1-10	1	7	666-1010	SCREEN COVER PLATE	2
1	3223817	WIPER ARM FRONT	1	8	3224525	PLATE COVER	1
10	3225010	WIPER ARM REAR	1	9	3213498	BLADE WIPER	1
2	41-04	WASHWASHER BUILT TO CAB	2	10	3224524	SPACER LOWER PLATE	1
3	3225032	MOTOR ASSY 24V	1	11	3221427	WIPER KIT FRONT	1

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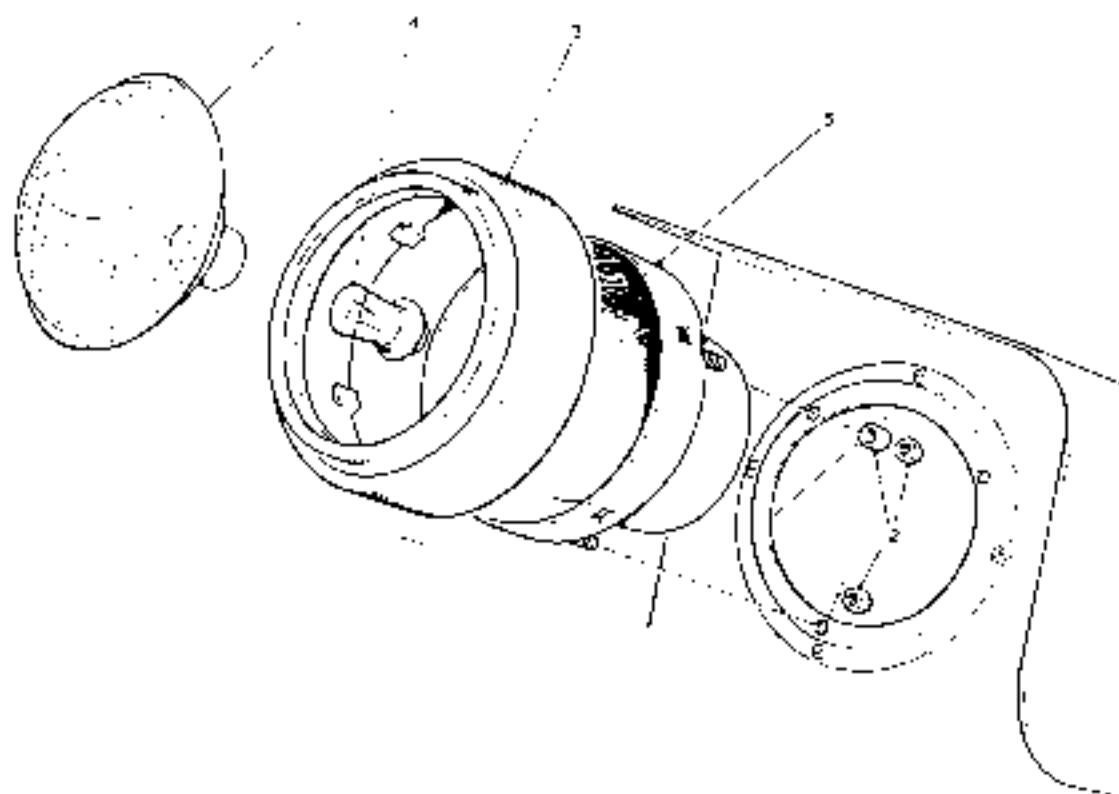
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CAB LIGHT KIT

TF 2440

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	3224311	CAB LIGHT KIT INC LENS	1	2H	664419	WASHER	6
1	3224336	LAMP ASSY INC 1 & 2	2	3	1/2 90414	RETAINER	2
2	300-10	LOCATOR LAMP TO CAB	6	4	3224305	BUILD 24V	2
2H	3225006	SPACER	6	5	3290413	LIGHT UNIT	2

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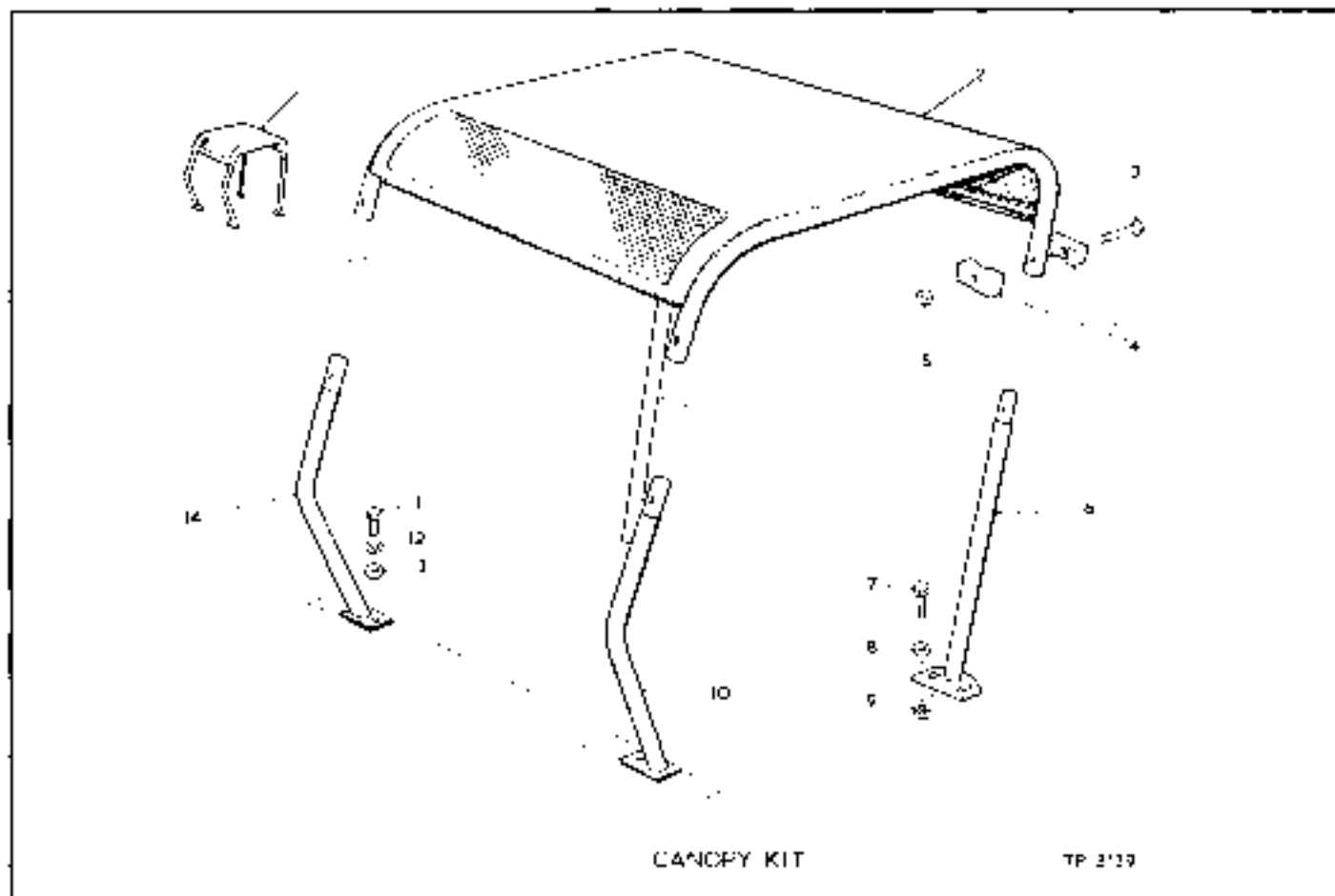
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	PL 322513	CANOPY KIT (AC 11/79)		7	20-416	BOLT REAR POST ATTACHING	4
		11-13	1	8	619025	WASHER	4
2	3212484	CANOPY ASSY INC 2-6.10414	1	9	150-06	LOCKNUT	4
3	3232531	HOOF ASSEMBLY	1	10	1232533	POST ASSY FRONT L & R	1
4	21-644	BOLT HOOF ATTACHING	4	11	11-614	BOLT FRONT POST ATTACHING	2
5	3225164	SAMPLE	8	12	4E-06	LOCKWASHER	2
6	161-06	LOCKNUT	4	13	615025	WASHER	2
7	3210042	POST ASSY REAR	1	14	3232534	POST ASSY FRONT RH	1

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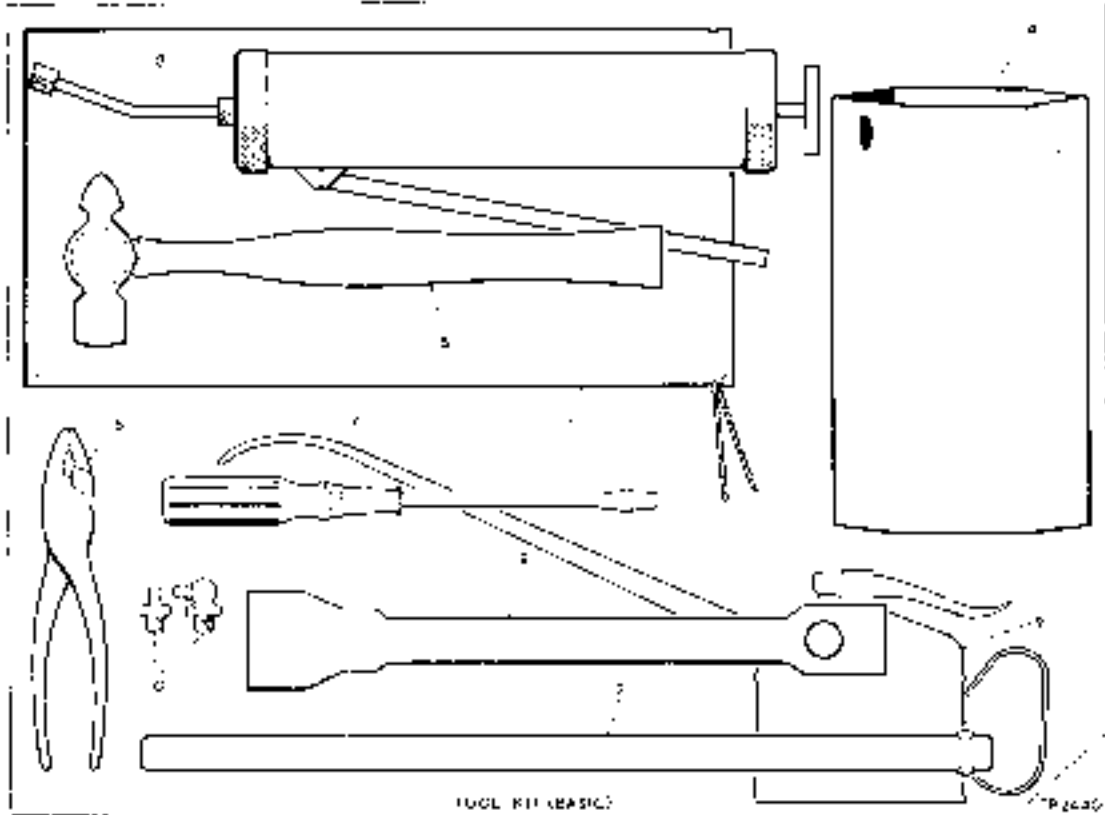
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	PL 324185	TOOL KIT INC 2-11	1	7	552167	SCREWDRIVER	1
2	553412	WRENCH WHEEL	1	8	516597	GREASE GUN	1
3	552164	HANDLE WHEEL WRENCH	1	9A	323403	EXTENSION GREASER	1
4	54190H	WRENCH HUB BEARING	1	9	3201709	OIL CAN	1
5	552165	HAMMER	1	10	10442	FEELING GAUGE	1
6	552166	PLIERS	1	11	552172	FLASLIGHT	1

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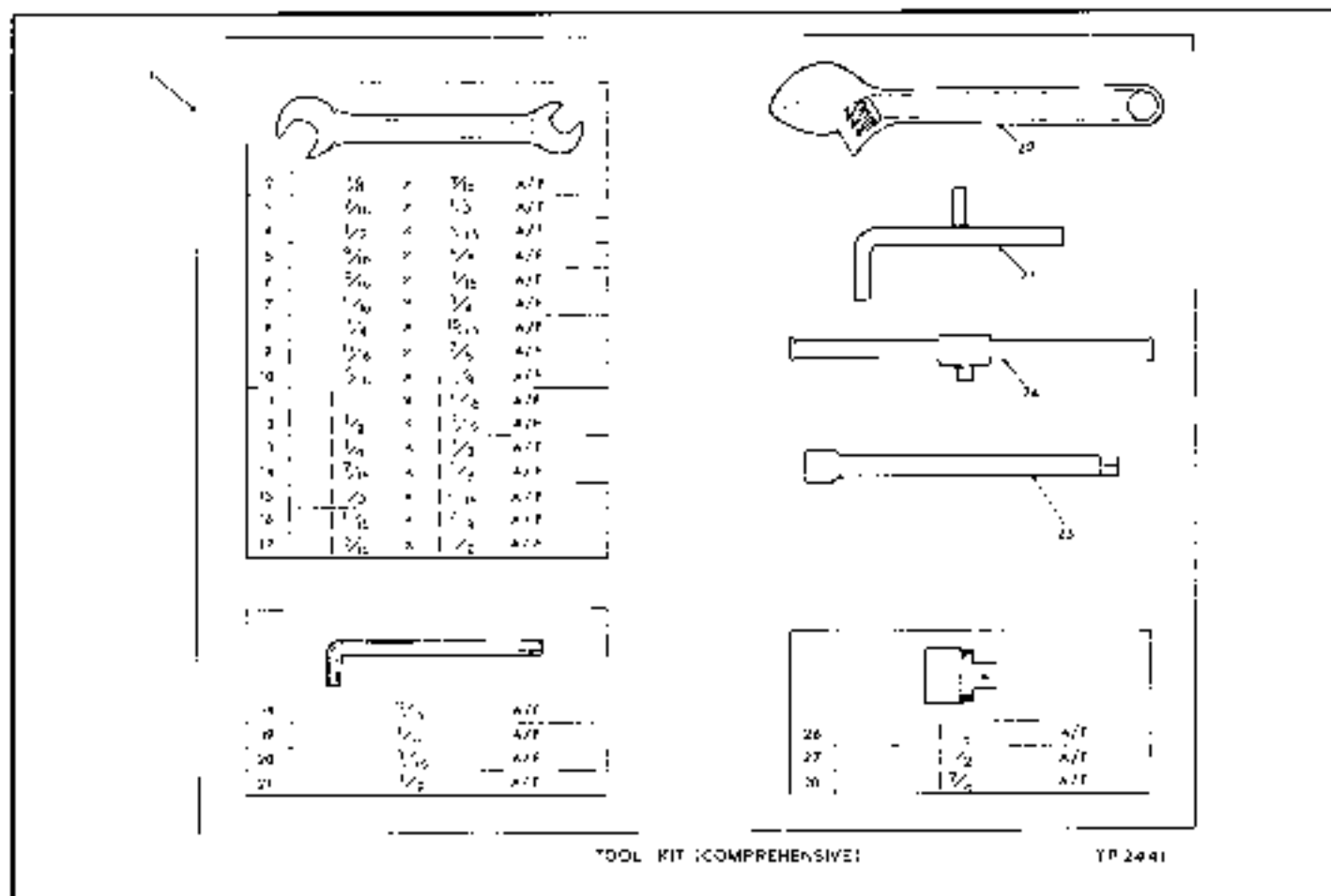
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	PL 3225362	TOOL KIT INC 2-7.9x28	1	16	3221786	SPANNER 1.6875 X 1.875 AF	1
2	3226040	SPANNER .3125 X .4375 AF	1	17	3221784	SPANNER 1.5125 X 1.500 AF	1
3	3221777	SPANNER .4375 X .500 AF	1	18	3221591	WRENCH HEX .1875 AF	1
4	3221786	SPANNER .500 X .5625 AF	1	19	3225545	WRENCH HEX .250 AF	1
5	3221789	SPANNER .5625 X .625 AF	1	20	3225546	WRENCH HEX .3125 AF	1
6	3221786	SPANNER .5625 X .6875 AF	1	21	3221992	WRENCH HEX .475 AF	1
7	3225646	SPANNER .6875 X .750 AF	1	22	5201707	SPANNER ADJUSTABLE 12 IN	1
8		UNIT		23	3201660	KEY HOLE DRAIN PLUG	1
9	3221784	SPANNER .9375 X .875 AF	1	24	3226041	BAR SLIDING TEE	1
10	3226750	SPANNER .9375 X 1.125 AF	1	25	3226045	BAR EXPANSION	1
11	3221790	SPANNER 1.000 X 1.0625 AF	1	26		UNIT	
12	3221783	SPANNER 1.125 X 1.3125 AF	1	27	3226043	SUCKER 1.500 AF	1
13	3221791	SPANNER 1.250 X 1.475 AF	1	28	3222354	SUCKER 1.6125 AF	1
14	3221792	SPANNER 1.4375 X 1.625 AF	1	29	3222392	SUCKER 1.875 AF	1
15	3221785	SPANNER 1.500 X 1.6875 AF	1				

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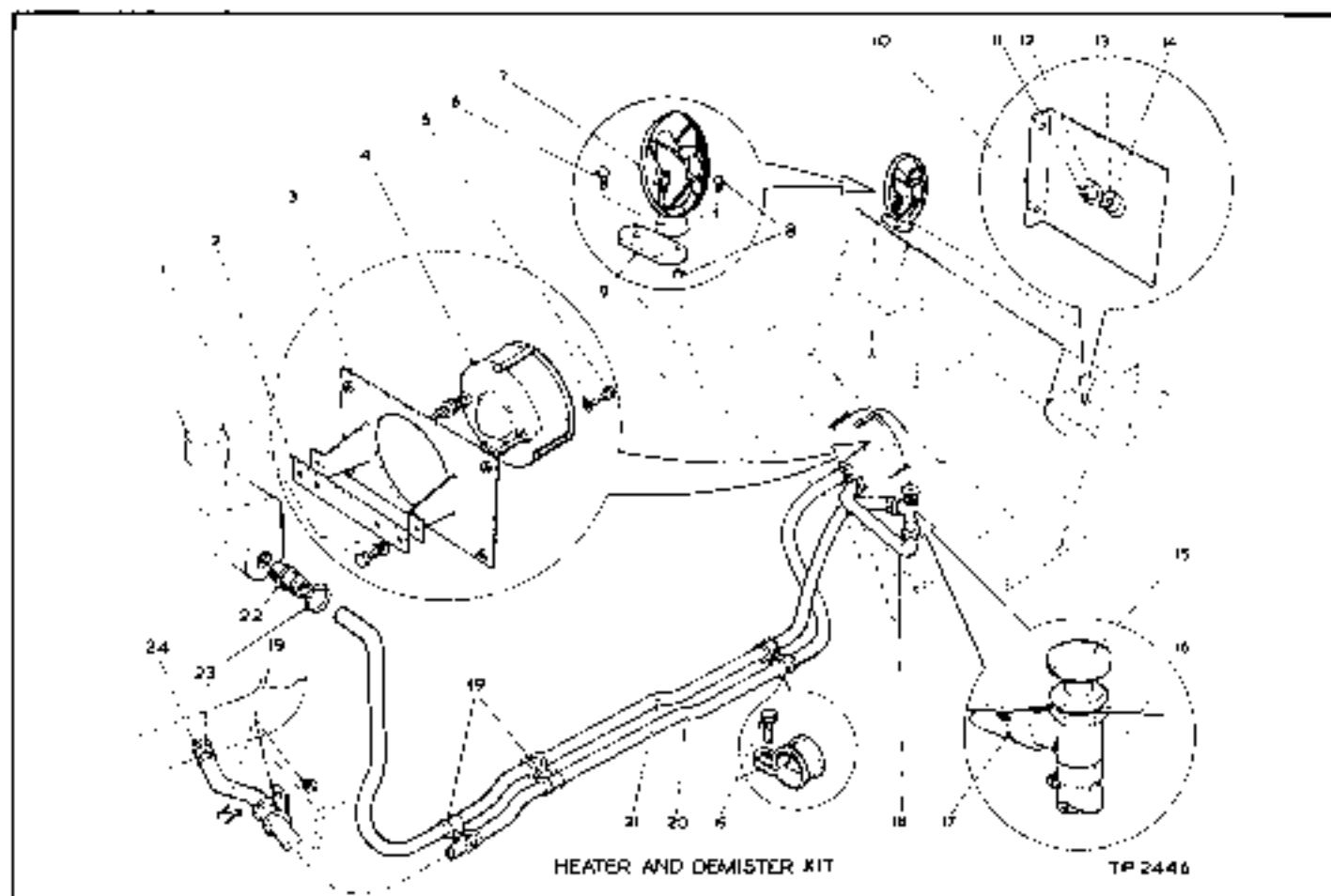
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ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
6	PL 3222572	CAB HEATER KIT LML 3-5		11	3224320	SWITCH HEATER	1
		10-12, 13-24	1	12	3225254	NAMEPLATE HEATER SWITCH	1
8	PL 3225263	CAB DEMISTER KIT INC B-10		13	3225253	NAMEPLATE DEMISTER SWITCH	1
		13 & 14	1	14	3224330	SWITCH DEMISTER	1
1	LC-614	BOLT STRAP TO HIL BRACKET	2	15	3224669	STOPCOCK	1
1A	3221750	LOCKWASHER	2	16	3220865	CLAMP HOSE	2
2	3224654	STRAP HEATER MOUNTING	1	17	3220865	CLAMP HOSE	2
3	1224651	BRACKET HEATER MOUNTING	1	18	3228573	HOSE STOPCOCK TO HEATER	1
4	3225136	HEATER ASSEMBLY	1	19	500-49	CLIM HOSE	1
5	LC-434	BOLT BRACKET TO COLUMN	4	19A	510-46	CLIP HOSE	2
5A	3221740	LOCKWASHER	4	20	3225217	HOSE HAD PIPE TO HEATER	1
6	LC-634	BOLT BRACKET TO CAB	1	21	3224630	HOSE STOPCOCK TO ENGINE	1
7	3225202	DEMISTER PAN ASSEMBLY	1	22	3221740	LOCKWASHER	2
8	3220651	BOLT PAN TO BRACKET	2	22A	3222157	+ WASHER	1
9A	3221740	LOCKWASHER	2	23	3220865	CLAMP HOSE	2
9	3225211	BRACKET PAN MOUNTING	1	24	3221740	LOCKWASHER	2
10	3225278	PANEL INSTRUMENT A K	1	24A	3221757	+ WASHER	1

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