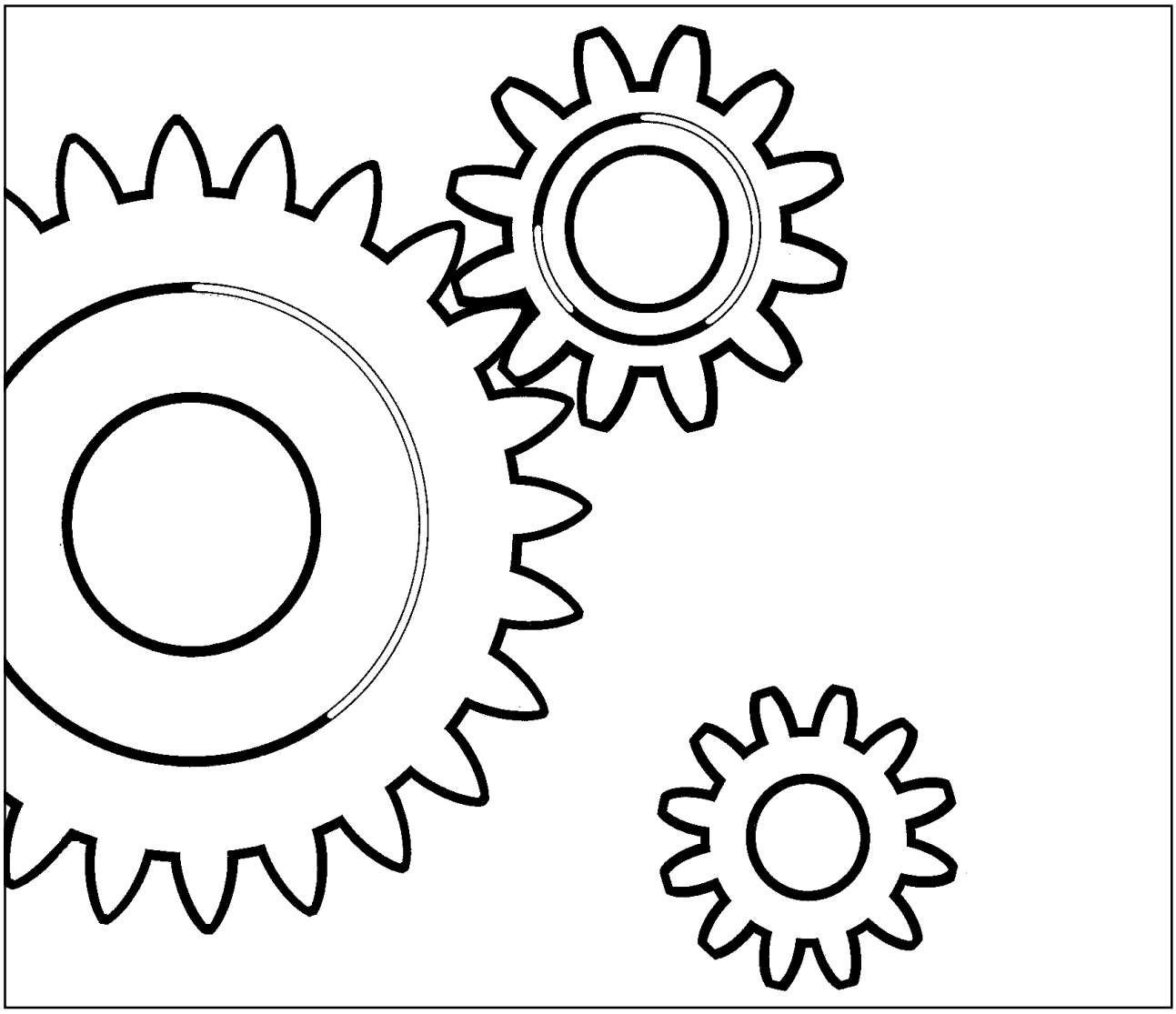
RUTHZIL TRATOR COMERCIAL DE PEÇAS LTDA 11 97083-6812 ROLANDO CITRANGULO

# DYNAPAC
# CP221

## SPARE PARTS CATALOGUE

### SCP221-2EN5



DYNAPAC

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www.dynapac.com

DYNAPAC

# Pneumatic Tire Roller
# CP221

# Spare Parts Catalogue
# SCP221-2EN5

*Valid from roller serial number:*

**22620278* - *22620599**

*Diesel engines:*

*CUMMINS 4BT 3.9C*
*CUMMINS 4BT 3.9C Elite*

*Published catalogue issues valid for these rollers:*

| *Catalogue* | *Issue date* | *Valid for serial numbers* |
|---|---|---|
| *SCP221-2EN1* | *1999-06* | *Replaced by SCP221-2EN2* |
| *SCP221-2EN2* | *2001-03* | *Replaced by SCP221-2EN3* |
| *SCP221-2EN3* | *2002-07* | *Replaced by SCP221-2EN4* |
| *SCP221-2EN4* | *2003-05* | *Replaced by SCP221-2EN5* |
| *SCP221-2EN5* | *2004-03* | *See above* |




We reserve the right to change specifications without notice.
Printed in Sweden.

DYNAPAC

## RESERVDELSBESTÄLLNING

Följande uppgifter ska lämnas vid beställning av reservdelar för att undvika leveransfel:

1. Maskintyp.
2. Vältens serienummer.
3. Antal av önskad reservdel.
4. Reserdelens artikelnummer.
5. Reservdelens benämning.
6. Måttuppgifter vid beställning av metervara.

## ORDERING SPARE PARTS

To avoid errors in delivery, please give the following information when ordering spare parts:

1. Type of machine.
2. Roller serial number.
3. Quantity required.
4. Part number.
5. Parts denomination.
6. Dimensions when ordering per length.

## ERSATZTEILBESTELLUNG

Zur Vermeidung von Fehllieferungen sind bei der Bestellung von Ersatzteilen folgende Angaben zu machen:

1. Maschinentyp.
2. Herstellungsnummer.
3. Bestellmenge. (Quantity)
4. Ersatzteilnummer. (Part Nº)
5. Ersatzteilbenennung. (Denomination)
6. Massangaben bei Bestellung von Meterware.

## ORDINI DI RICAMBI

Per evitare errori nelle consegne di ricambi, Vi preghiamo di comunicarci le seguenti informazioni al momento dell 'ordinazione:

1. Tipo di macchina.
2. Numero di serie della macchina.
3. Quantità dei pezzi desiderati. (Quantity)
4. Numero di codice del pezzo. (Part Nº)
5. Descrizione del pezzo di ricambio. (Denomination)
6. Misura, in caso di ordine per metro.

## PEDIDO DE RECAMBIOS

Para evitar errores en las entregas, deberán indicarse los siguientes datos al hacer un pedido de recambios:

1. Tipo de máquina.
2. Número de serie.
3. Cantidad de piezas deseadas. (Quantity)
4. Número de artículo de la pieza de recambio. (Part Nº)
5. Denominación de la pieza. (Denomination)
6. Indíquese la medida al solicitar un artículo que se expide por metros.

## COMMANDE DE PIECES DE RECHANGE

Les indications suivantes doivent être fournies lors de la commande de piéces de rechange, afin d'éviter toute erreur de livraison:

1. Type de machine.
2. Numéro de série.
3. Quantité désirée de pièce de rechange. (Quantity)
4. Numéro de la piéce de rechange. (Part Nº)
5. Dénomination de la piéce de rechange. (Denomination)
6. Longueur en cas de commande au mètre.

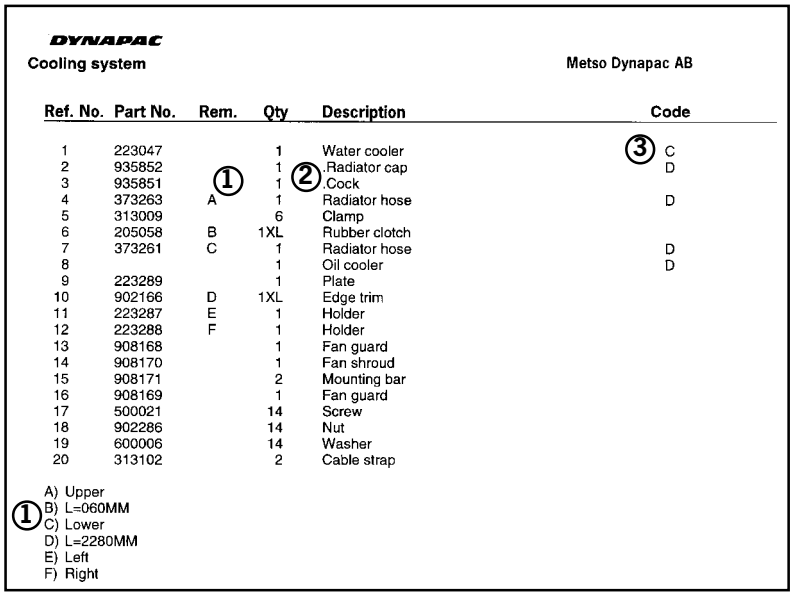
## YOUR AGENT/DEALER:

DYNAPAC

# Text pages

The text pages is structured as the picture on the right.

1. This is the remarks for specific items and the descriptions of the remarks is at the bottom of the parts list.
2. Parts indicated by a dot and moved to the right are included when buying the assembled unit above.
3. Spare parts and service code for a specific part, mainly for internal use at Dynapac. "A" = Service part, "B" = Fast moving part, "C" = Suggested exchanged part and "D" = Regular spare part.



DYNAPAC

Cooling system — Metso Dynapac AB

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 223047 | | 1 | Water cooler | ③ C |
| 2 | 935852 | | 1 | Radiator cap | D |
| 3 | 935851 | ① | 1 | ② Cock | |
| 4 | 373263 | A | 1 | Radiator hose | D |
| 5 | 313009 | | 6 | Clamp | |
| 6 | 205058 | B | 1XL | Rubber clotch | |
| 7 | 373261 | C | 1 | Radiator hose | D |
| 8 | | | 1 | Oil cooler | D |
| 9 | 223289 | | 1 | Plate | |
| 10 | 902166 | D | 1XL | Edge trim | |
| 11 | 223287 | E | 1 | Holder | |
| 12 | 223288 | F | 1 | Holder | |
| 13 | 908168 | | 1 | Fan guard | |
| 14 | 908170 | | 1 | Fan shroud | |
| 15 | 908171 | | 2 | Mounting bar | |
| 16 | 908169 | | 1 | Fan guard | |
| 17 | 500021 | | 14 | Screw | |
| 18 | 902286 | | 14 | Nut | |
| 19 | 600006 | | 14 | Washer | |
| 20 | 313102 | | 2 | Cable strap | |

① A) Upper
B) L=060MM
C) Lower
D) L=2280MM
E) Left
F) Right

# Changes

| PARTS INFO | SERVICE INFO | GROUP | PAGE | NOTES |
|---|---|---|---|---|
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# Notes

# Notes

DYNAPAC

## PÄRMETIKETT

För att undvika fel vid reservdelsbeställning finns här nedan två etiketter som passar i fickorna på pärmarnas ryggar. På dessa kan man se från vilket vältnummer av aktuell maskin reservdelskatalogen gäller. Gör så här:

1. Tag denna sida ur pärmen.
2. Klipp ut etiketten till **VÄNSTER** (1) och sätt in den i fickan på **DENNA** pärmens rygg.
3. Finns det en etikett till **HÖGER** (2), kan denna användas på pärmen för **FÖREGÅENDE** utgåva av denna katalog.
4. Kasta detta papper.

## BINDER LABEL

To avoid errors when ordering spare parts use the labels below to identify the catalogues on the back of the binder. The label contain the serial number range for which the catalogue is valid. Do like this:

1. Remove this page from the binder.
2. Cut out the **LEFT** label (1) and put it on **THIS** binders back.
3. If there is a label to the **RIGHT** (2), it can be used on the binder for **PRECEDING** issue of this catalogue.
4. Throw away this paper.

## KATALOG-BESCHRIFTUNG

Zur Vermeidung von Fehlen bei der Ersatzteilbestellung benutzen Sie bitte die unteren Beschriftungen, um die Kataloge auf der Rückseite zu kennzeichen. Auf der Beschriftung ist angegaben, für welche Maschinennummern der jeweilige Katalog gültig ist. Ablauf:

1. Nehmen Sie dieses Blatt aus dem Katalog.
2. Schneiden Sie die **LINKE** Beschriftung (1) aus. Schieben Sie die Beschriftung in die tasche auf **DEM** Katalogrücke.
3. Sollte die Beschriftung unten **RECHTS** (2) mitgeliefert werden, kennzeichen Sie damit bitte die **ÄLTERE** Ausführung dieses Kataloges.
4. Den Rest dieses Blattes bitte vernichten.

## ETICHETTA POSTA SUL RACCOGLITORE

Per evitare errori quando ordinate pezzi di ricambio, usate le etichette in calce che servono ad identificare i cataloghi sul retro del raccoglitore. L'etichetta indica il numero di matricola delle maccine prese in considerazione nel catalogo.

1. Rimuovete questa pagina dal raccoglitore.
2. Ritagliate l'etichetta posta a **SINISTRA** (1) e ponetela sul retro **DEL** raccoglitore.
3. Se trovate anche un'etichetta sulla **DESTRA** (2), ritagliatela e ponetela sul raccoglitore relativo alla **PRECEDENTE** edizione del catalogo.
4. Distruggete questo foglio.

## ETIQUETA PARA LA CARPETA

Para evitar errores al pedir repuestos utilicen las etiquetas abajo descritas para identificar los catálogos en la parte trasera de la carpeta. En la etiqueta se ven los números de referencia de la serie para la cual es válido el catálogo. Instrucciones:

1. Quitar esta página de la carpeta.
2. Corta la etiqueta **IZQUIERDA** (1) y ponerla est **ESTA** carpeta en la parte trasera.
3. Si hay una etiqueta en la parte **DERECHA** (2) se puede utilizar en la carpeta para el catálogo que **PRECEDE** a esta.
4. Tirar esta hoja.

## ETIQUETAGE DU CATALOGUE

Afin d'éviter des erreurs lors de commandes de pièces de rechange, nous vous conseillons d'apposer les marquages ci-dessous à l'arrière du classeur, pour identifier les catalogues. Ce marquage indique les numéros de série pour lesquels le catalogue est adapté. Il convient de procéder de la façon suivante:

1. Retirez cette page du classeur.
2. Découpez l'étiquette de **GAUCHE** (1), et apposez-la à l'arrière de **CE** catalogue.
3. Si il y a une étiquette à **DROITE** (2), vous pourrez l'apposer sur le classeur de l'edition **PRECEDENTE** du catalogue.
4. Détruire cetta feuille.

**1.**




**CP221**

Catalogue **SCP221-2EN5**
Valid **from** serial number:
***22620278* - *22620599***

**CP221 SN 22620278 - 22620599** 2

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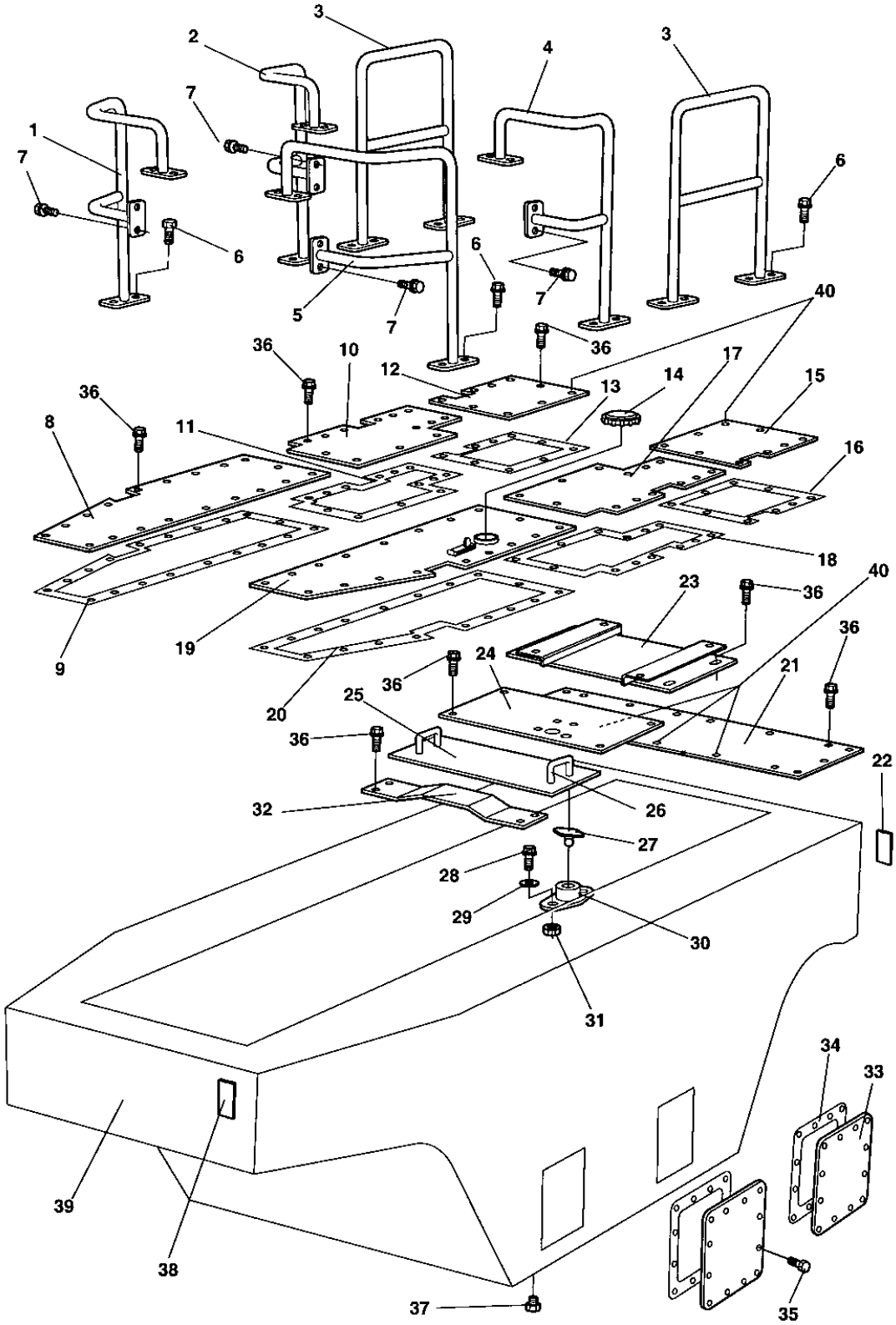

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
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**Handrail and cover plate**

**16844-1**



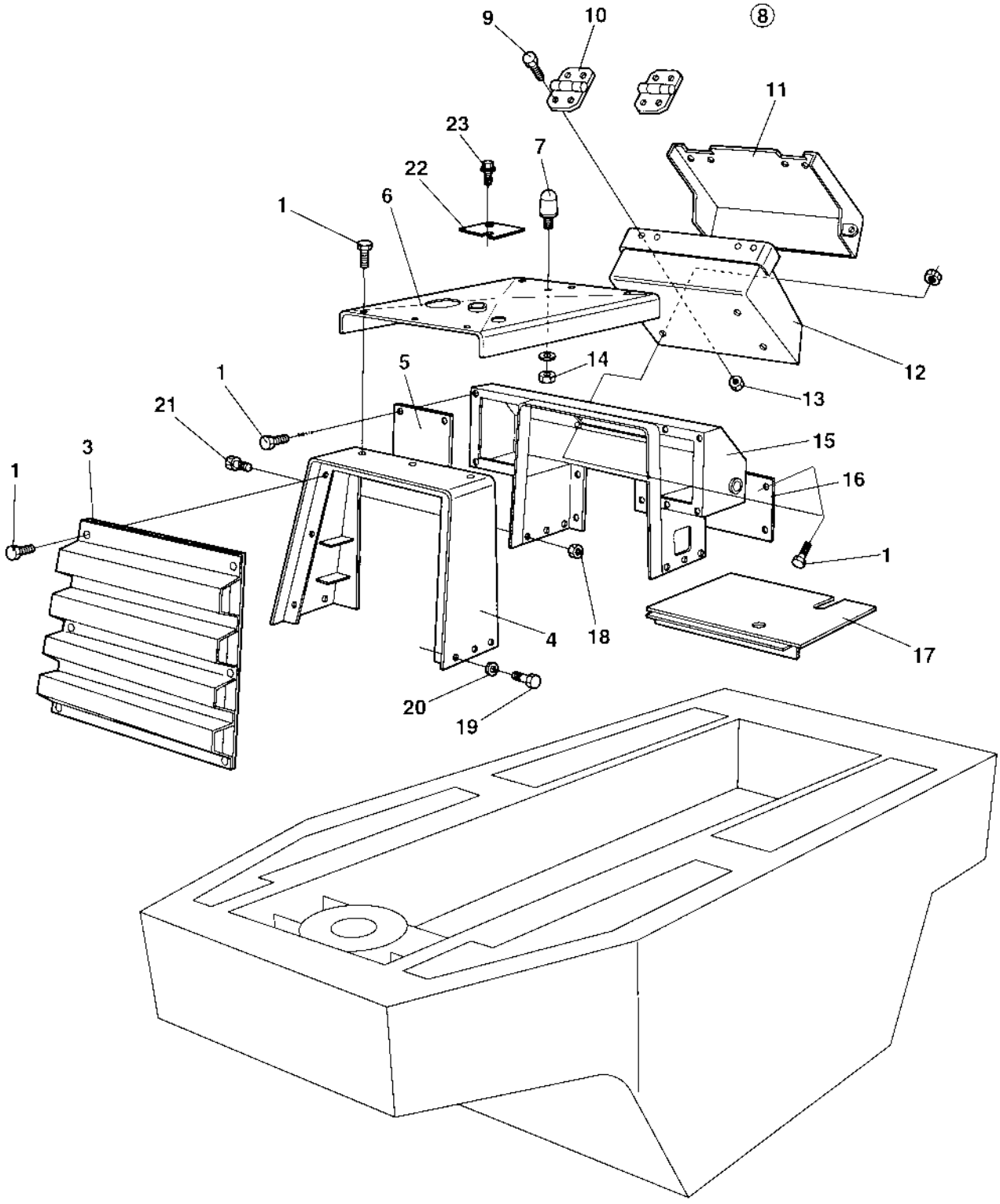
## Handrail and cover plate

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 375078 | | 1 | Hand rail, right | |
| 2 | 375076 | | 1 | Hand rail, right | |
| 3 | 375074 | | 2 | Hand rail | |
| 4 | 375075 | | 1 | Hand rail, left | |
| 5 | 375077 | | 1 | Hand rail, left | |
| 6 | 500506 | | 16 | Screw | |
| 7 | 500053 | | 16 | Screw M8-1,25x20 8,8 | |
| 8 | 375092 | | 1 | Cover plate | |
| 9 | 375514 | | 1 | Gasket | |
| 10 | 375094 | | 1 | Cover plate | |
| 11 | 375519 | | 1 | Gasket | |
| 12 | 375097 | | 1 | Cover plate | |
| 13 | 375516 | | 1 | Gasket | |
| 14 | 333228 | | 1 | Cap | |
| 15 | 375096 | | 1 | Cover plate | |
| 16 | 375517 | | 1 | Gasket | |
| 17 | 375095 | | 1 | Cover plate | |
| 18 | 375518 | | 1 | Gasket | |
| 19 | 375146 | | 1 | Cover plate | |
| 20 | 375515 | | 1 | Gasket | |
| 21 | 375098 | | 1 | Cover plate | |
| 22 | 901182 | | 2 | Reflector, red | B |
| 23 | 195364 | | 1 | Floor | |
| 24 | 375099 | | 1 | Cover plate | |
| 25 | 375100 | | 1 | Cover plate Up to 22620318 | |
| | 382233 | | 1 | Cover plate From 22620319 | |
| 26 | 265753 | | 2 | .Grab handle | |
| 27 | 450067 | | 2 | .Door bumper | D |
| 28 | 535008 | | 4 | .Screw | |
| 29 | 904281 | | 4 | .Washer 5,3x10x1 | |
| 30 | 450066 | | 2 | .Door bumper | D |
| 31 | 570003 | | 4 | .Nut M5 | |
| 32 | 375101 | | 1 | Cover plate Up to 22620318 | |
| | 382222 | | 1 | Cover plate From 22620319 | |
| 33 | 264237 | | 4 | Cover | |
| 34 | 264238 | | 4 | Gasket | D |
| 35 | 500506 | | 48 | Screw | |
| 36 | 927026 | A | 126 | Screw Up to 22620423 | |
| | 500505 | | 93 | Screw M8x20 8,8 From 22620424 | |
| 37 | 232046 | | 2 | Plug | |
| 38 | 901187 | | 2 | Reflector, white | B |
| 39 | 191885 | | 1 | Frame | |
| 40 | 513003 | | 5 | Screw | |

A) Thread rolling screw

**Frame and hood**

**16846-2**

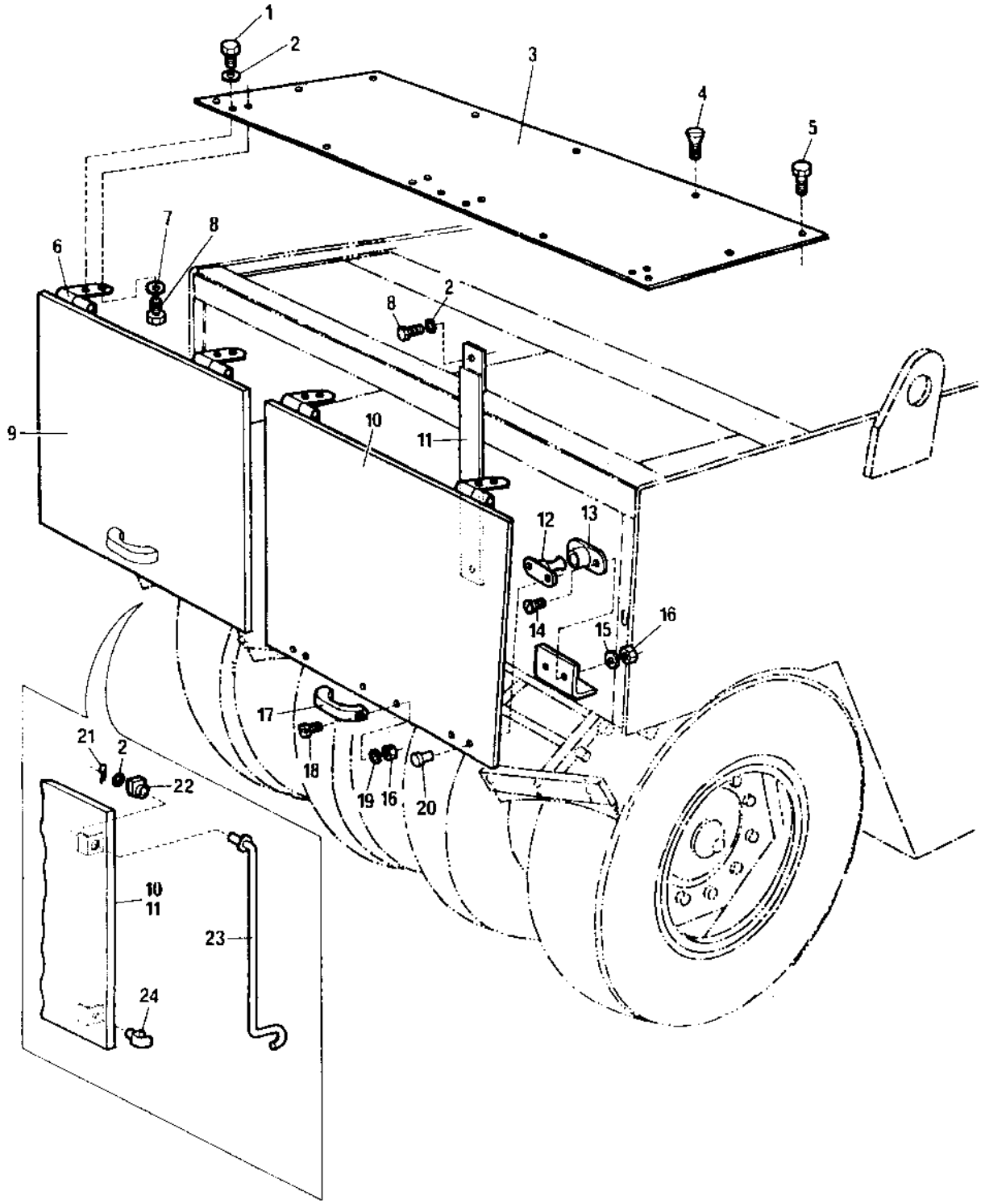


## Frame and hood

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 904643 | | 34 | Screw | |
| 3 | 375582 | | 1 | Fan guard | |
| 4 | 375148 | | 1 | Cooler frame | |
| 5 | 191947 | | 2 | Cover | |
| 6 | 375529 | | 1 | Hood Up to 22620322 | |
| | 382666 | | 1 | Hood From 22620323 | |
| 7 | 925629 | | 2 | Shock absorber | |
| 8 | 192011 | | 1 | Control panel | |
| 9 | 500013 | | 8 | .Screw M6-1x16 8,8 | |
| 10 | 249865 | | 2 | .Hinge | |
| 11 | 380764 | | 1 | .Cover | |
| 12 | 380765 | | 1 | .Frame | |
| 13 | 586002 | | 8 | .Lock nut M6 | |
| 14 | 570005 | | 2 | Nut M8 | |
| 15 | 375149 | | 1 | Control panel welded | |
| 16 | 376387 | | 1 | Cover plate Up to 22620318 | |
| | 383013 | | 1 | Protective plate Up to 22620407 not 402 | |
| | 385708 | | 1 | Protective plate From 22620408 + 402 | |
| 17 | 191959 | | 1 | Protector | |
| 18 | 570006 | | 1 | Nut M10 | |
| 19 | 500030 | | 11 | Screw M10-1,5x35H 8,8 | |
| 20 | 904557 | | 12 | Washer 10,5x22x4 | |
| 21 | 500031 | | 1 | Screw M10-1,5x40 8,8 | |
| 22 | 373955 | | 1 | Cover From 22620323 | |
| 23 | 500505 | | 2 | Screw M8x20 8,8 From 22620323 | |

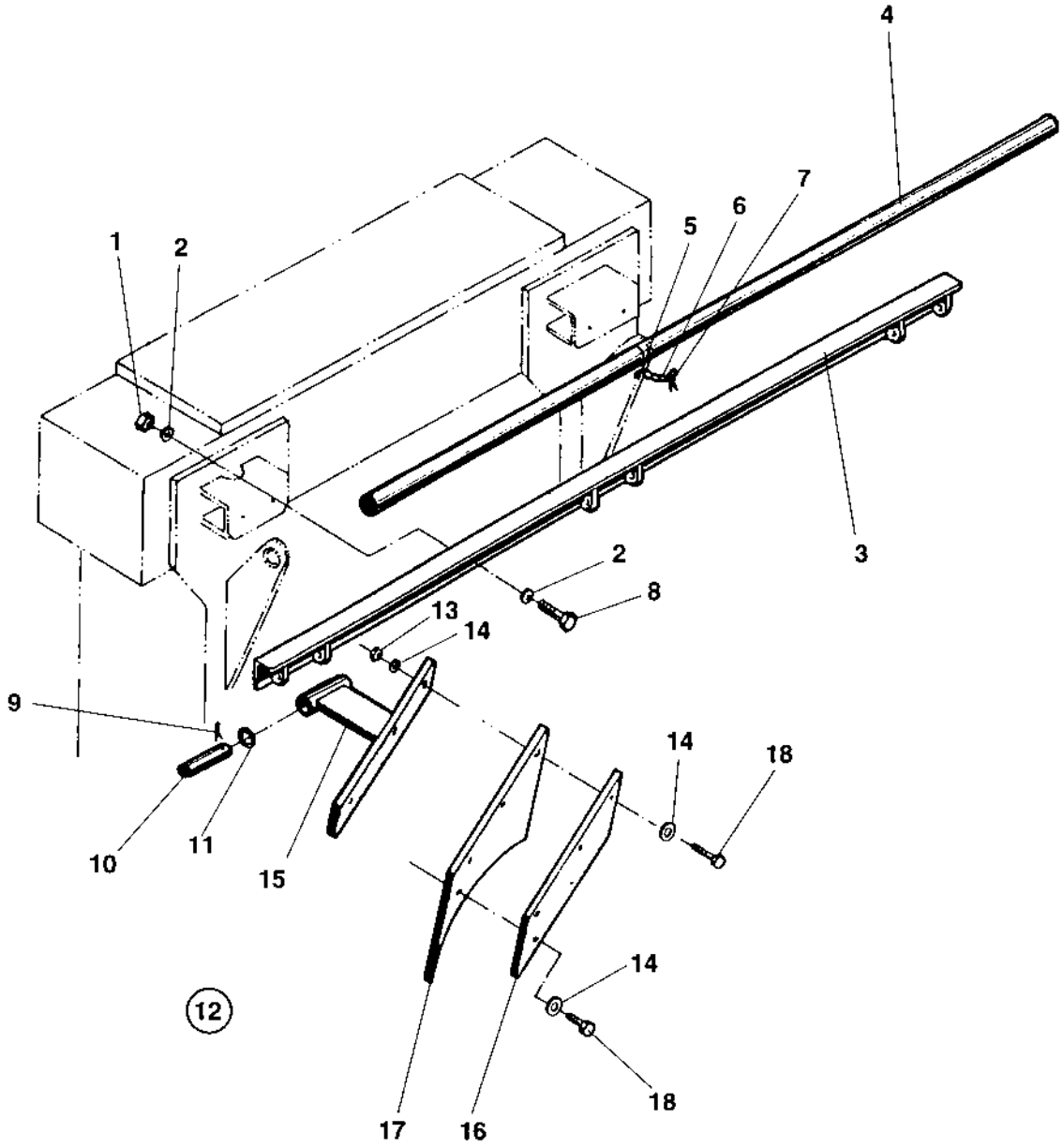
**Rear cover**

**16205**

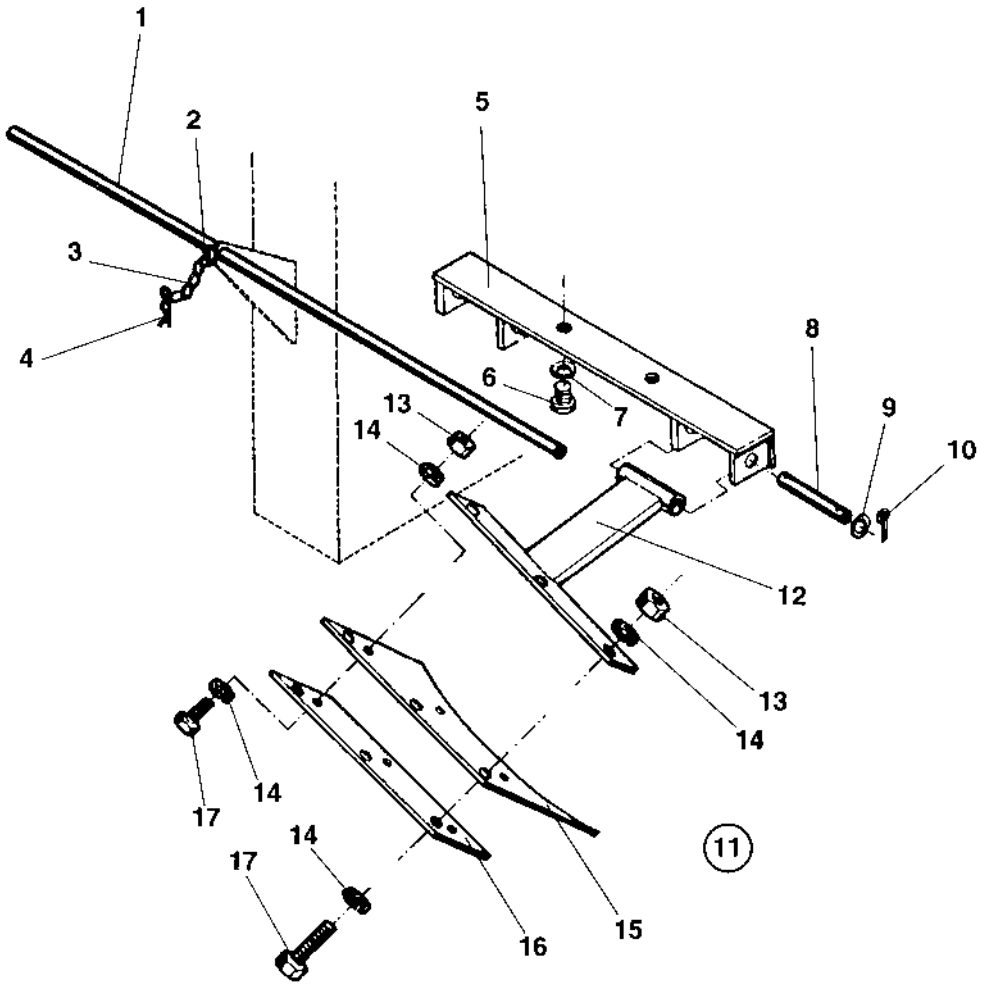


## Rear cover

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 500022 | | 4 | Screw M8-1,25x30 8,8 | |
| 2 | 904229 | | 8 | Washer 8,4x16x1,5 | |
| 3 | 375098 | | 1 | Cover plate | |
| 4 | 535044 | | 3 | Screw | |
| 5 | 928511 | | 9 | Screw | |
| 6 | 191511 | | 4 | Hinge | |
| 7 | 603019 | | 4 | Washer | |
| 8 | 500019 | | 6 | Screw M8-1,25x16 8,8 | |
| 9 | 195356 | | 1 | Cover left, cpl | |
| 10 | 195355 | | 1 | Cover right, cpl | |
| 11 | 195359 | | 1 | Bracket | |
| 12 | 450067 | | 4 | Door bumper | D |
| 13 | 450066 | | 4 | Door bumper | D |
| 14 | 535008 | | 8 | Screw | |
| 15 | 615041 | | 8 | Washer 5,3x11 | |
| 16 | 570003 | | 12 | Nut M5 | |
| 17 | 927210 | | 2 | Grab handle | |
| 18 | 533025 | | 4 | Screw M5x12 | |
| 19 | 904281 | | 4 | Washer 5,3x10x1 | |
| 20 | 624012 | | 8 | Rivet | |
| 21 | 630006 | | 2 | Cotter pin | |
| 22 | 192939 | | 2 | Grommet | |
| 23 | 192940 | | 1 | Rod, right | |
| | 192941 | | 1 | Rod, left | |
| 24 | 192938 | | 2 | Clamp | |


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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 570007 | | 4 | Lock nut M12 | |
| 2 | 615045 | | 8 | Conical spring washer | |
| 3 | 255173 | | 1 | Scraper bracket | |
| 4 | 267661 | | 1 | Shaft | |
| 5 | 358254 | | 2 | Key-ring | |
| 6 | 343775 | | 2 | Wire | |
| 7 | 901178 | | 2 | .Hair pin | |
| 8 | 500037 | | 4 | Screw M12-1,75x35 8,8 | |
| 9 | 630008 | | 6 | Pin | D |
| 10 | 251729 | | 3 | Shaft | |
| 11 | 904232 | | 6 | Washer 17x30x3 | |
| 12 | 380432 | | 3 | Scraper, cpl | |
| 13 | 570007 | | 6 | .Lock nut M12 | |
| 14 | 904231 | | 12 | .Washer 13x24x2 | |
| 15 | 380430 | | 1 | .Bracket | |
| 16 | 380428 | | 1 | .Bracket | |
| 17 | 376357 | | 1 | .Scraper | B |
| 18 | 500195 | | 6 | .Screw M12-1,75x50 8.8 | |

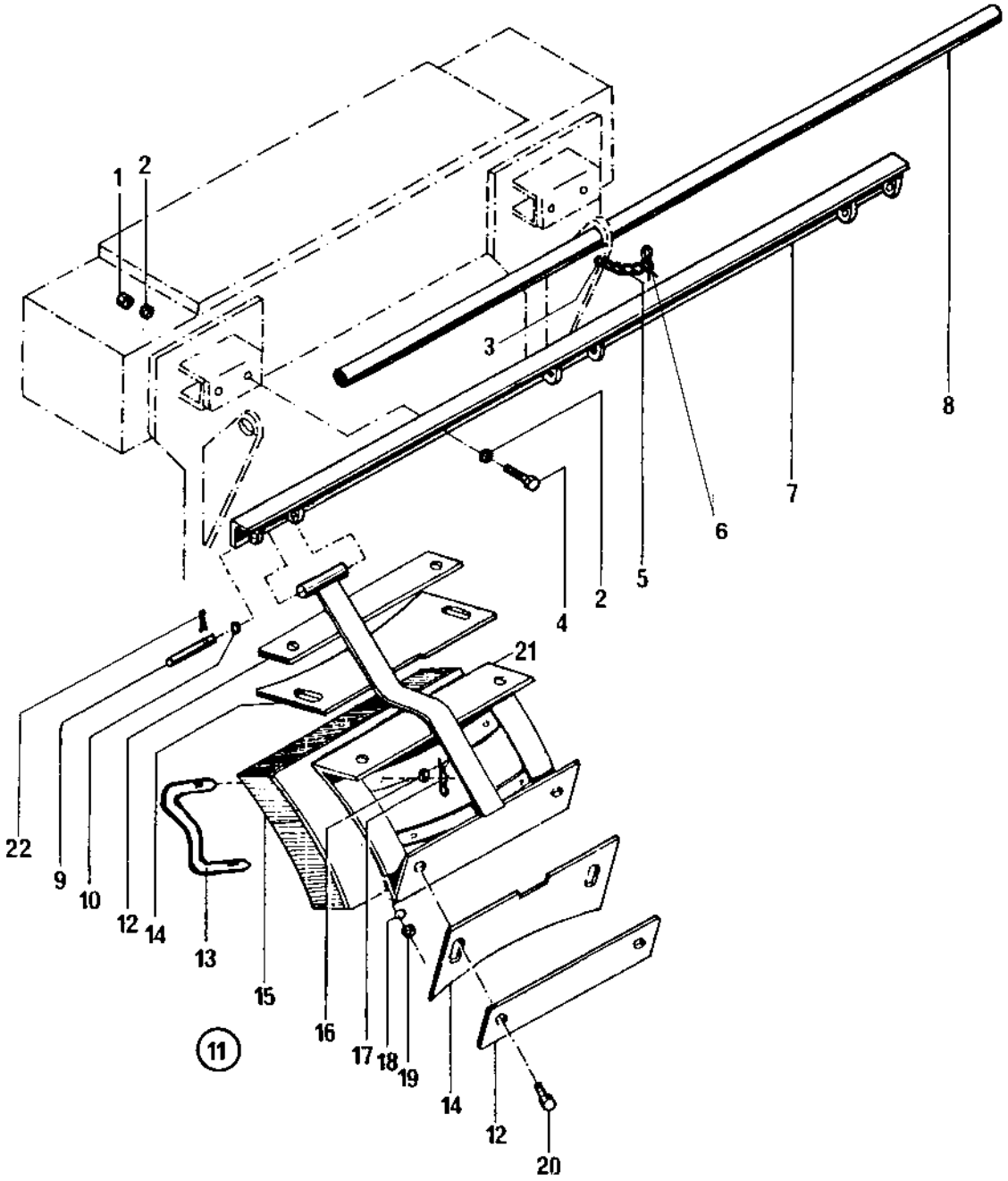

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## Rear scrapers

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 267660 | | 1 | Shaft | |
| 2 | 358254 | | 2 | Key-ring | |
| 3 | 343775 | | 2 | Wire | |
| 4 | 901178 | | 2 | Hair pin | |
| 5 | 251722 | | 2 | Scraper bracket | |
| 6 | 500035 | | 4 | Screw M12x020H | |
| 7 | 615045 | | 4 | Conical spring washer | |
| 8 | 251729 | | 4 | Shaft | |
| 9 | 904232 | | 8 | Washer 17x30x3 | |
| 10 | 630008 | | 8 | Pin | D |
| 11 | 380432 | | 4 | Scraper, cpl | |
| 12 | 380430 | | 1 | .Bracket | |
| 13 | 570007 | | 6 | .Lock nut M12 | |
| 14 | 904231 | | 12 | .Washer 13x24x2 | |
| 15 | 376357 | | 1 | .Scraper | B |
| 16 | 380428 | | 1 | .Bracket | |
| 17 | 500195 | | 6 | .Screw M12-1,75x50 8.8 | |

## Front scrapers and mat Option

**16273**

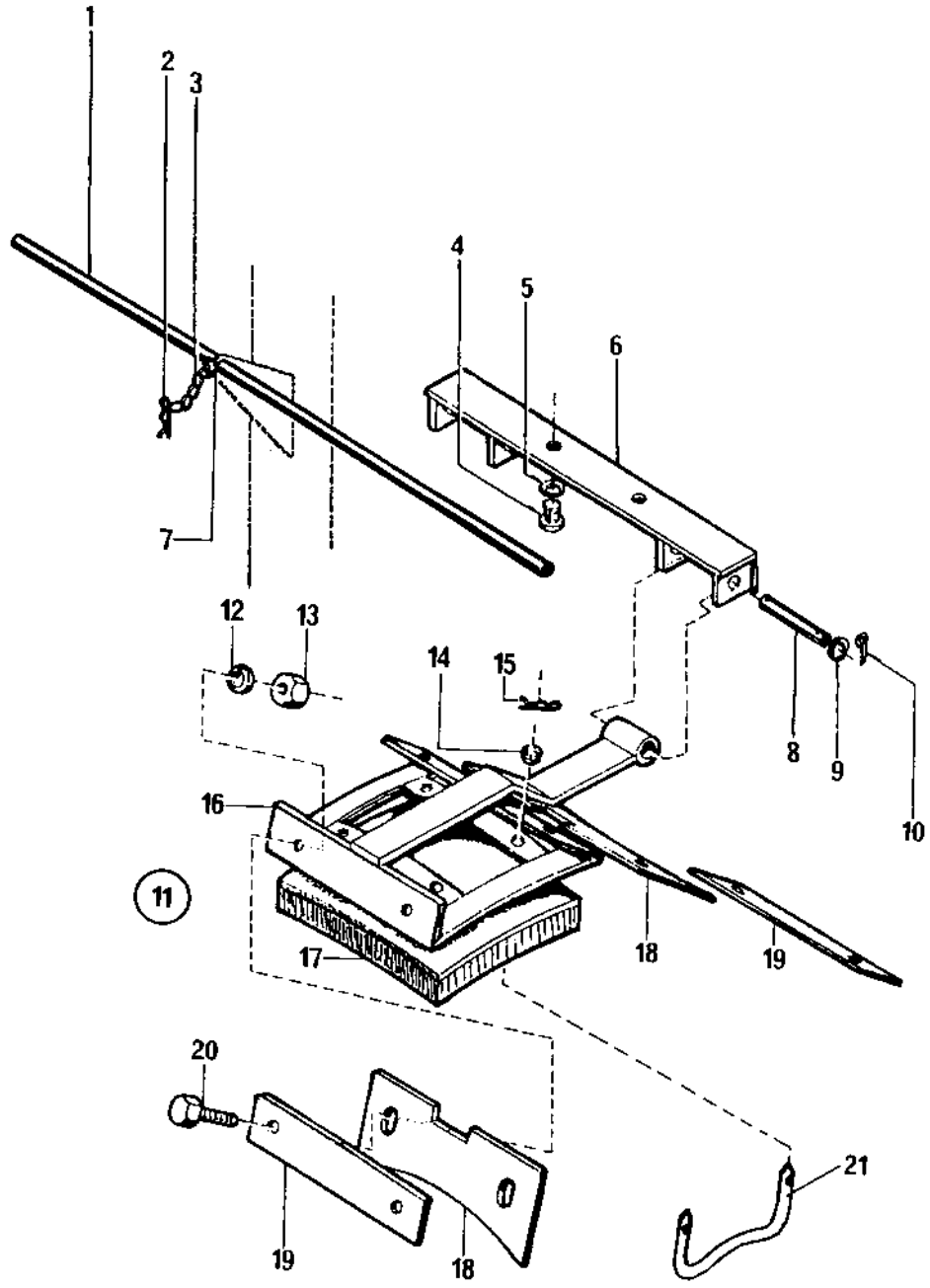


## Front scrapers and mat Option

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 570004 | | 4 | Nut M6 | |
| 2 | 615045 | | 8 | Conical spring washer | |
| 3 | 358254 | | 2 | Key-ring | |
| 4 | 500037 | | 4 | Screw M12-1,75x35 8,8 | |
| 5 | 343775 | | 2 | Wire | |
| 6 | 901178 | | 2 | Hair pin | |
| 7 | 255173 | | 1 | Scraper bracket | |
| 8 | 267661 | | 1 | Shaft | |
| 9 | 251729 | | 3 | Shaft | |
| 10 | 904232 | | 6 | Washer 17x30x3 | |
| 11 | 263774 | | 3 | Scraper and mat, cpl | |
| 12 | 263763 | | 2 | .Plate | |
| 13 | 267791 | | 2 | .Mat holder | D |
| 14 | 376375 | | 2 | .Scraper | B |
| 15 | 263772 | | 1 | .Mat | B |
| 16 | 904639 | | 4 | .Washer 6,7x14x1,5 | |
| 17 | 630035 | | 4 | .Split pin | D |
| 18 | 904231 | | 4 | .Washer 13x24x2 | |
| 19 | 586019 | | 4 | .Lock nut M12 | |
| 20 | 500056 | | 4 | .Screw M12x45 8,8 | |
| 21 | 263771 | | 1 | Bracket | |
| 22 | 630008 | | 6 | Pin | D |

**Rear scrapers and mat Option**

**16274**

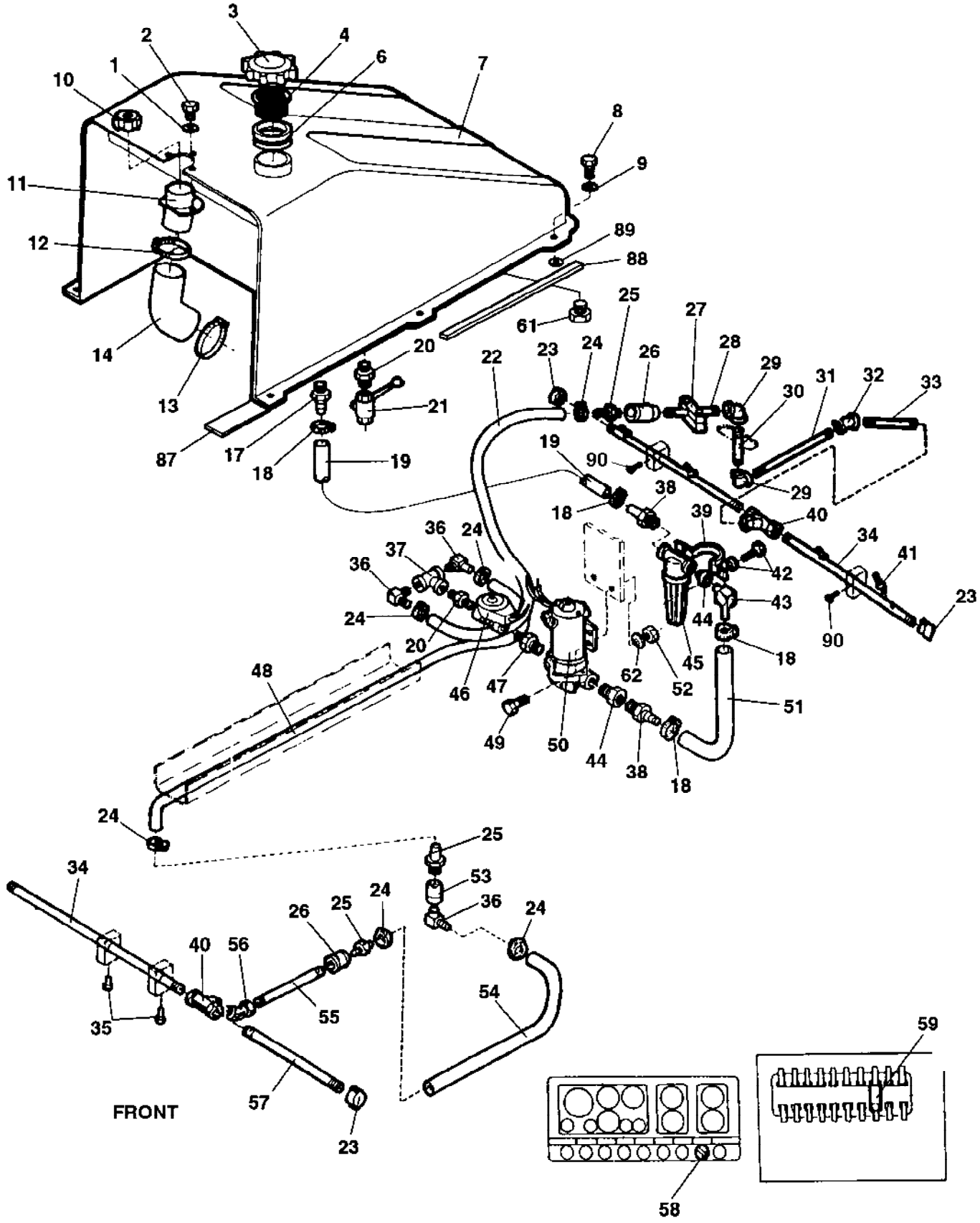


## Rear scrapers and mat Option

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 267660 | | 1 | Shaft | |
| 2 | 901178 | | 2 | Hair pin | |
| 3 | 343775 | | 2 | Wire | |
| 4 | 500035 | | 4 | Screw M12x020H | |
| 5 | 615045 | | 4 | Conical spring washer | |
| 6 | 251722 | | 2 | Scraper bracket | |
| 7 | 358254 | | 2 | Key-ring | |
| 8 | 251729 | | 4 | Shaft | |
| 9 | 904232 | | 8 | Washer 17x30x3 | |
| 10 | 630008 | | 8 | Pin | D |
| 11 | 263774 | | 4 | Scraper and mat, cpl | |
| 12 | 904231 | | 4 | .Washer 13x24x2 | |
| 13 | 586019 | | 4 | .Lock nut M12 | |
| 14 | 904639 | | 4 | .Washer 6,7x14x1,5 | |
| 15 | 630035 | | 4 | .Split pin | D |
| 16 | 263771 | | 1 | .Bracket | |
| 17 | 263772 | | 1 | .Mat | B |
| 18 | 376375 | | 2 | .Scraper | B |
| 19 | 263763 | | 2 | .Plate | |
| 20 | 500056 | | 4 | .Screw M12x45 8,8 | |
| 21 | 267791 | | 2 | .Mat holder | D |

**Sprinkler system**

**16281-3**



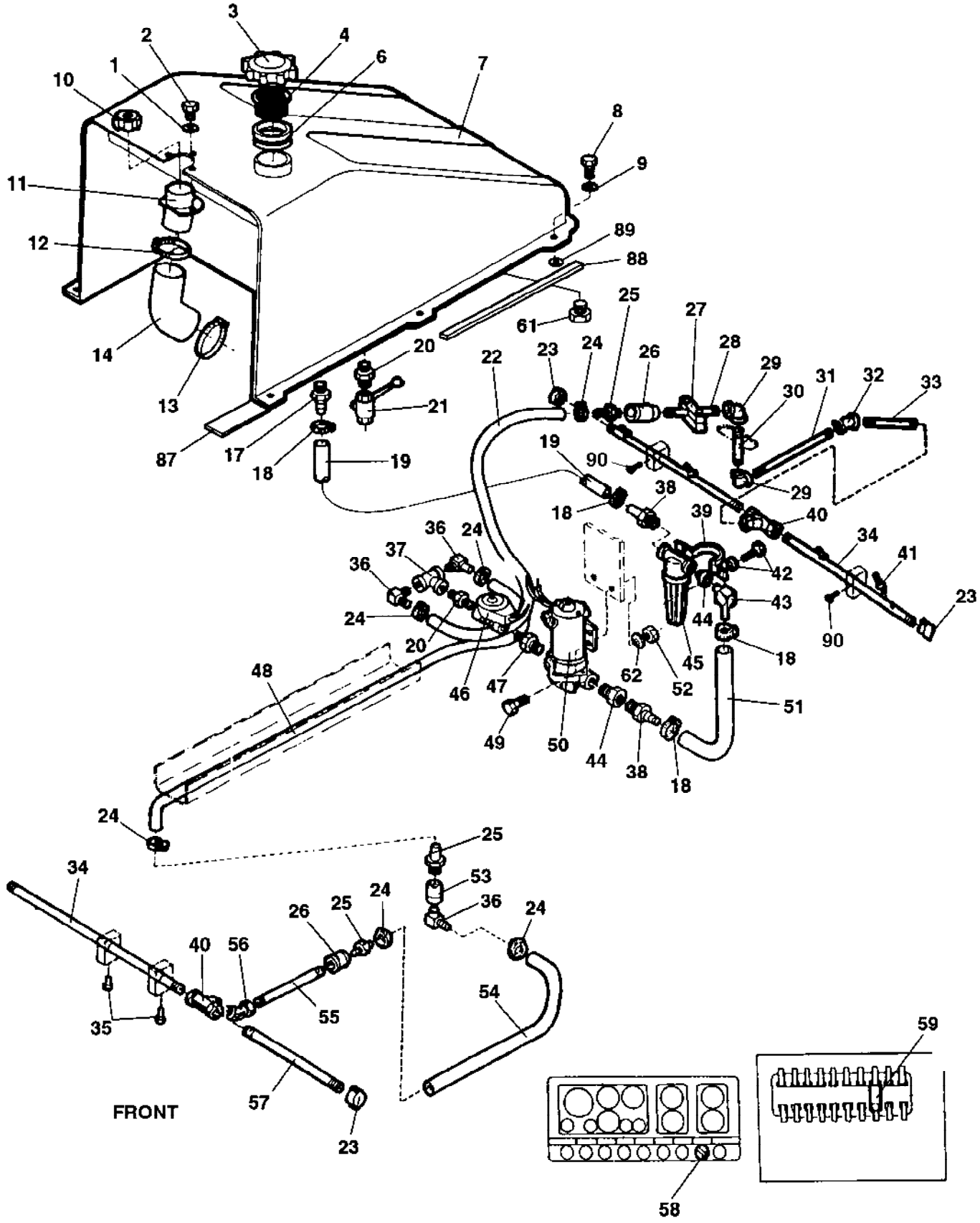
## Sprinkler system

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 904229 | | 3 | Washer 8,4x16x1,5 | |
| 2 | 500022 | | 3 | Screw M8-1,25x30 8,8 | |
| 3 | 333228 | | 1 | Cap | |
| 4 | 358846 | | 1 | Strainer | D |
| 6 | 248511 | | 1 | Spacer | |
| 7 | 193103 | | 1 | Sprinkling tank | |
| 8 | 904990 | | 6 | Screw M10x50 | |
| | 947684 | C,D | 6 | Screw M10x35 | |
| 9 | 904230 | C,E | 6 | Washer 10,5x22x2 | |
| 10 | 373304 | | 1 | Cap | D |
| 11 | 375567 | | 1 | Filling pipe | |
| 12 | 904631 | | 1 | Hose clamp | |
| 13 | 904059 | | 1 | Hose clamp | |
| 14 | 193093 | | 1 | Filling pipe | |
| 17 | 813732 | | 1 | Hose connection | |
| 18 | 313002 | | 4 | Hose clamp | |
| 19 | 244057 | A | 1 | Hose | |
| 20 | 901299 | | 2 | Adapter | |
| 21 | 333041 | | 1 | Valve | D |
| 22 | 244054 | | 1 | Hose reinforced 0,65 m | |
| 23 | 331092 | | 4 | Plug | |
| 24 | 313002 | | 6 | Hose clamp | |
| 25 | 904694 | | 3 | Hose connection | |
| 26 | 331032 | | 1 | Sleeve | |
| 27 | 258333 | | 1 | Clamp | |
| 28 | 259225 | | 1 | Tube | |
| 29 | 331015 | | 2 | Elbow 90 | |
| 30 | 259225 | | 1 | Tube | |
| 31 | 259226 | | 1 | Tube | |
| 32 | 230543 | | 2 | Elbow 45 | |
| 33 | 256860 | | 1 | Tube | |
| 34 | 263614 | | 3 | Tube | |
| 35 | 500048 | | 2 | Screw M10-1,5x20 8,8 | |
| 36 | 268608 | | 3 | Hose connector | |
| 37 | 331006 | | 1 | Connection | |
| 38 | 254075 | | 2 | Hose connection | |
| 39 | 242018 | | 1 | Clamp | |
| 40 | 230469 | | 2 | T-pipe | |
| 41 | 813744 | | 7 | Nozzle sprinkler | B |
| 42 | 541703 | | 2 | Screw M6x16 | |
| 43 | 241753 | | 1 | Hose connector | |
| 44 | 248491 | | 2 | Reducer | |
| 45 | 248513 | | 1 | Water filter | A |
| 46 | 925659 | | 1 | Solenoid valve | C |
| 47 | 234317 | | 1 | Nipple | |
| 48 | 244054 | | 1 | Hose reinforced 0,65 m | |
| 49 | 500028 | | 2 | Screw M10-1,5x25 8,8 | |

A) L=1900 mm
C) Old version
D) Together with washer 904230
E) Together with screw 947684

**Sprinkler system**

**16281-3**



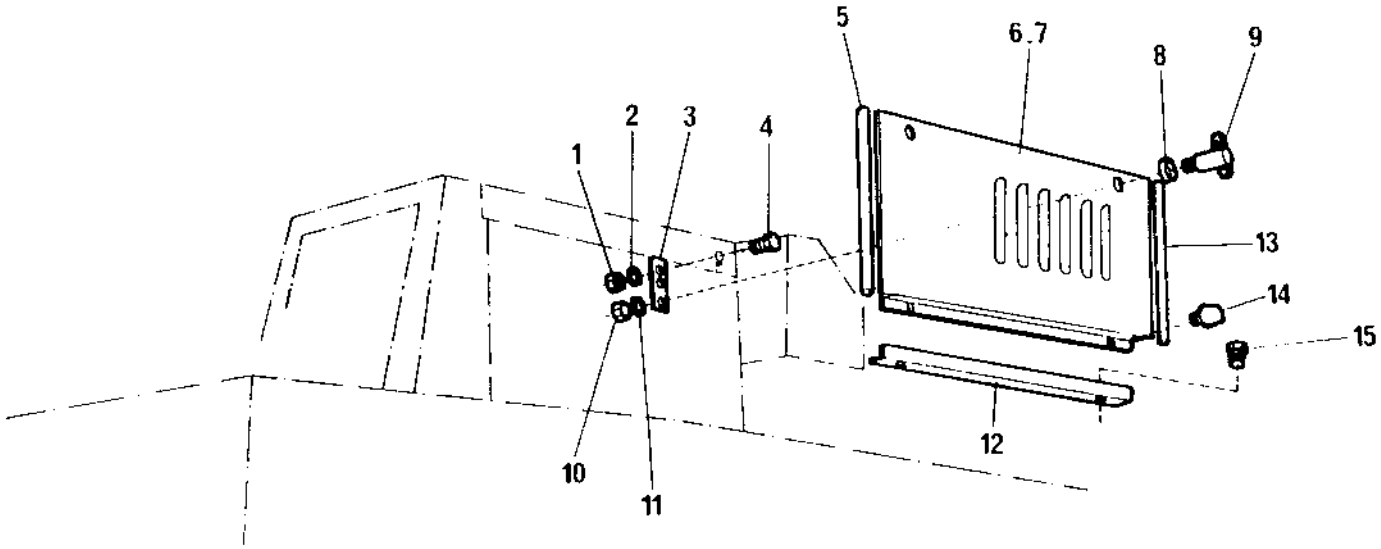
## Sprinkler system

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 50 | 904808 | G | 1 | Water pump Up to 22620334 | |
| | 383697 | F | 1 | Water pump From 22620335 | |
| 51 | 244057 | | 1 | Hose | |
| 52 | 570006 | | 2 | Nut M10 | |
| 53 | 240154 | | 1 | Connector | |
| 54 | 244054 | | 1 | Hose reinforced 0,65 m | |
| 55 | 258340 | | 1 | Tube | |
| 56 | 232166 | | 1 | Elbow 45 | |
| 57 | 242122 | | 1 | Tube | |
| 58 | 930151 | | 1 | Switch | D |
| 59 | 928722 | | 1 | Fuse | B |
| 61 | 813422 | | 2 | Plug | |
| 62 | 904230 | | 2 | Washer 10,5x22x2 | |
| 87 | 297018 | J | 1 | Rubber strip | |
| 88 | 202046 | B | 1 | Rubber strip 25x10 | |
| 89 | 904567 | | 2 | Washer 10,5x28x6 | |
| 90 | 500079 | | 4 | Screw M6-1x50 8,8 | |

B) L=2400 mm
F) New version with Cannon connector, to fit the new cable harness.
G) Old version, without connector. To fit the old cable harness; install AMP connector 901765 together with 2 sleeves 903824 at the pump wires.
J) L=1450 mm

**Cover assy**

**16271**



## Cover assy

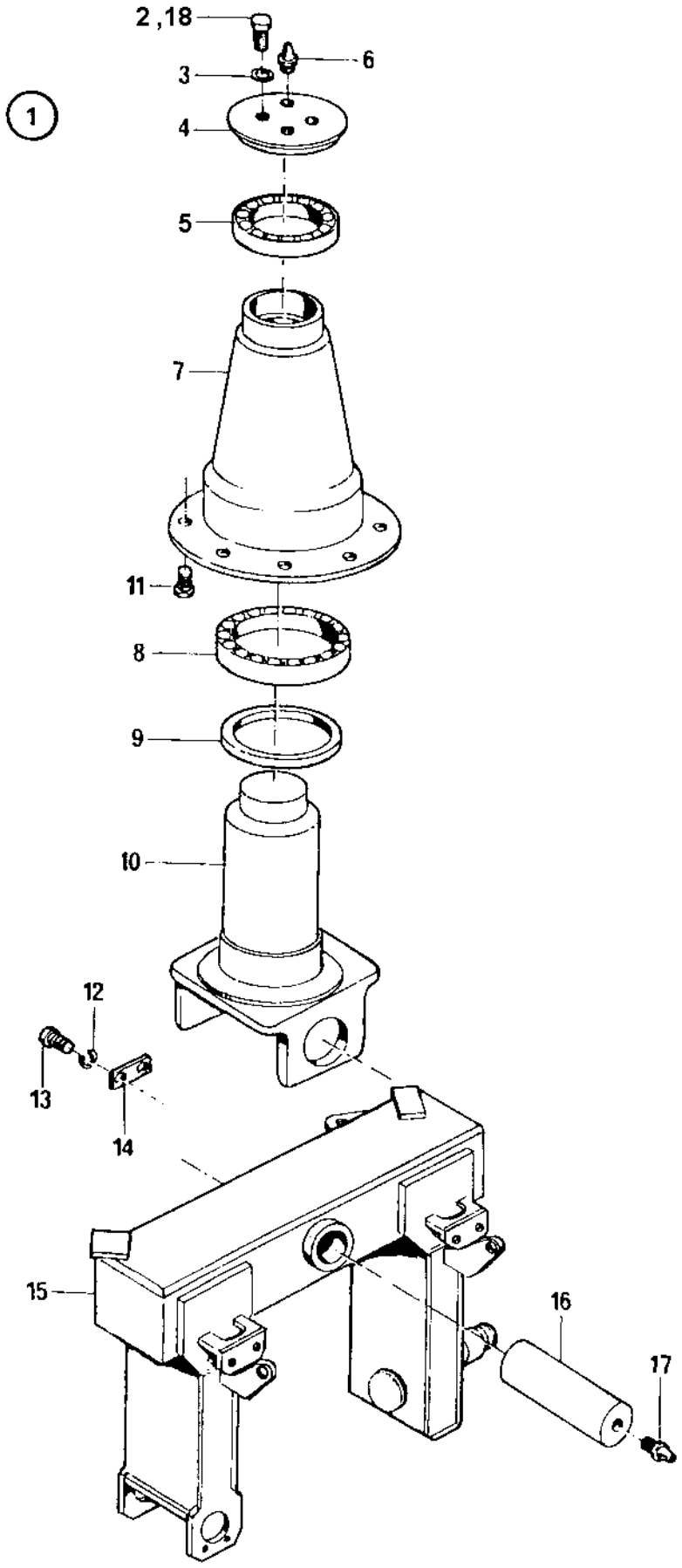
| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 586002 | | 8 | Lock nut M6 | |
| 2 | 904639 | | 2 | Washer 6,7x14x1,5 | |
| 3 | 192174 | | 4 | Support | |
| 4 | 500040 | | 8 | Screw M6-1x20 8,8 | |
| 5 | 202028 | | 2 | Edge trim | |
| 6 | 192172 | | 1 | Cover, left | |
| | 385780 | A | 1 | Cover, noise suppressed, left Option | |
| | 385745 | | 1 | .Cover | |
| | 385753 | | 1 | .Absorbent, left | |
| | 385752 | | 1 | .Absorbent cover | |
| | 791234 | | 7 | .Insulating washer | |
| 7 | 192171 | | 1 | Cover, right | |
| | 385781 | A | 1 | Cover, noise suppressed, right Option | |
| | 385744 | | 1 | .Cover | |
| | 385754 | | 1 | .Absorbent, right | |
| | 385752 | | 1 | .Absorbent cover | |
| | 791234 | | 7 | .Insulating washer | |
| 8 | 814259 | | 4 | Rubber grommet | D |
| 9 | 192833 | | 4 | Reversing valve | C |
| 10 | 586019 | | 4 | Lock nut M12 | |
| 11 | 904213 | | 4 | Washer 13x30x4 | |
| 12 | 192995 | | 2 | Bracket | |
| 13 | 202028 | | 2 | Edge trim | |
| 14 | 248765 | | 4 | Stop | |
| 15 | 541703 | | 6 | Screw M6x16 | |

A) Introduced as option from SN 22620385

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 10 | | | | Steering link ( Page 28 ) | |
| 20 | | | | Front suspension ( Page 30 ) | |
| 30 | | | | Rear suspension ( Page 32 ) | |
| 40 | 195176 | | | Chain protector ( Page 36 ) | |
| 50 | | | | Wheel ( Page 38 ) | |
| 60 | | | | Spare wheel Option ( Page 46 ) | |
| 70 | | | | Pneumatic circuit diagram Option ( Page 48 ) | |
| 80 | | | | Air on the run Option ( Page 50 ) | |
| 90 | | | | Diagram brake circuit ( Page 54 ) | |
| 100 | | | | Brake circuit up to SN 22620359 ( Page 58 ) | |
| 110 | | | | Brake circuit from SN 22620360 ( Page 64 ) | |
| 120 | | | | Compressor assembly ( Page 68 ) | |
| 130 | | | | Parking brake circuit From 22620430 ( Page 74 ) | |
| 135 | | | | Parking brake From 22620430 ( Page 78 ) | |
| 140 | | | | Master cylinder From 22620430 ( Page 82 ) | |

**Steering link**

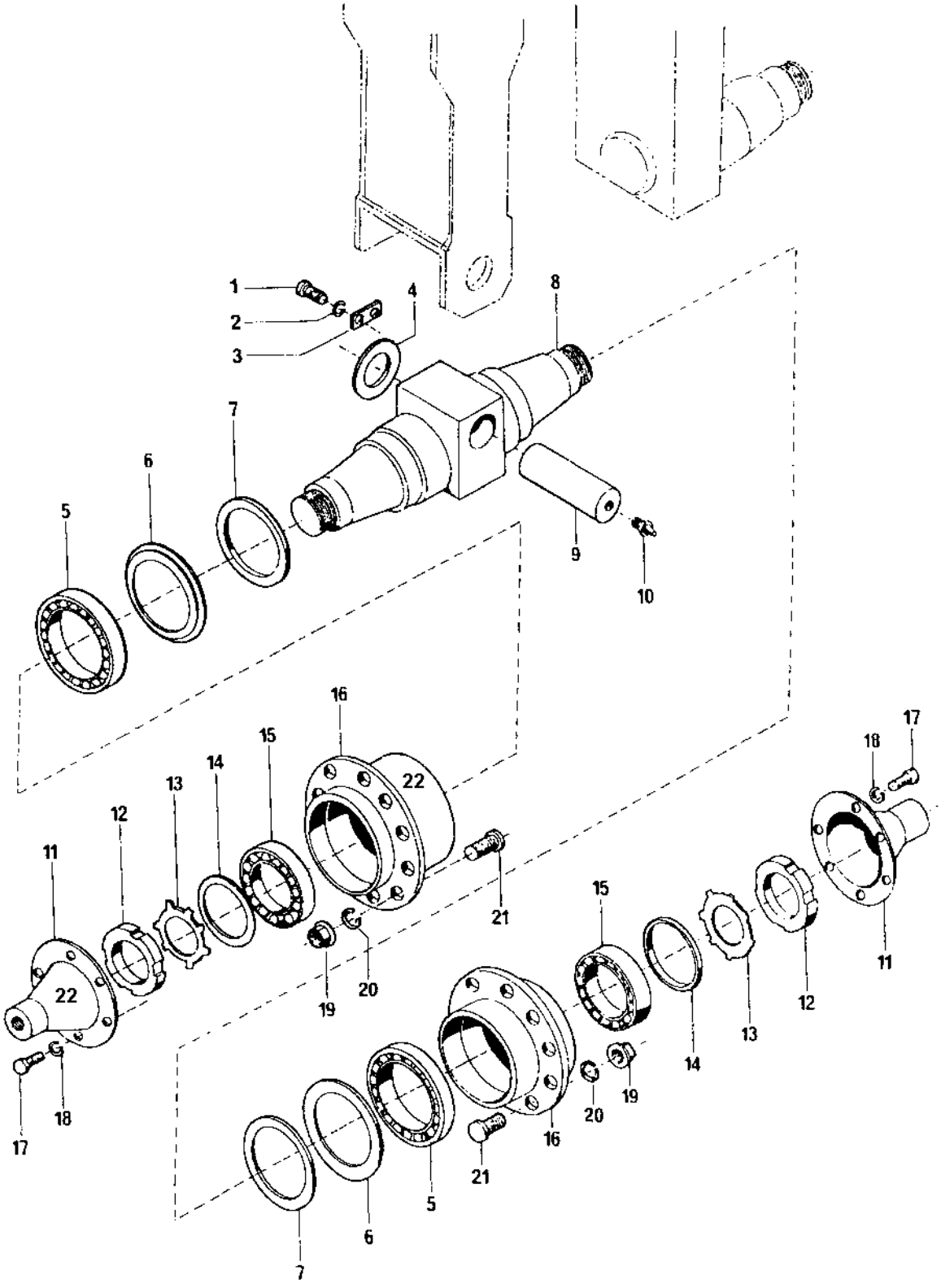
**16230-1**



## Steering link

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 256422 | | 1 | Bearing housing, cpl | |
| 2 | 502058 | | 3 | .Screw 1/2 UNC | |
| 3 | 904231 | | 3 | .Washer 13x24x2 | |
| 4 | 254089 | | 1 | .Cover | |
| 5 | 116031 | | 1 | .Bearing | |
| 6 | 310037 | | 1 | .Grease nipple | D |
| 7 | 254032 | | 1 | .Bearing housing | |
| 8 | 116006 | | 1 | .Bearing | D |
| 9 | 254750 | | 1 | .Ring | |
| 10 | 254030 | | 1 | .Fork | |
| 11 | 503093 | | 8 | Screw | |
| 12 | 904231 | | 2 | Washer 13x24x2 | |
| 13 | 502057 | | 2 | Screw | |
| 14 | 253931 | | 1 | Lock plate | |
| 15 | 259361 | | 1 | Fork | |
| 16 | 253929 | | 1 | Pin | |
| 17 | 310037 | | 1 | Grease nipple | D |
| 18 | 902541 | A | 1 | Lock fluid Loctite 243, 50 ml | |

A) 50 ml


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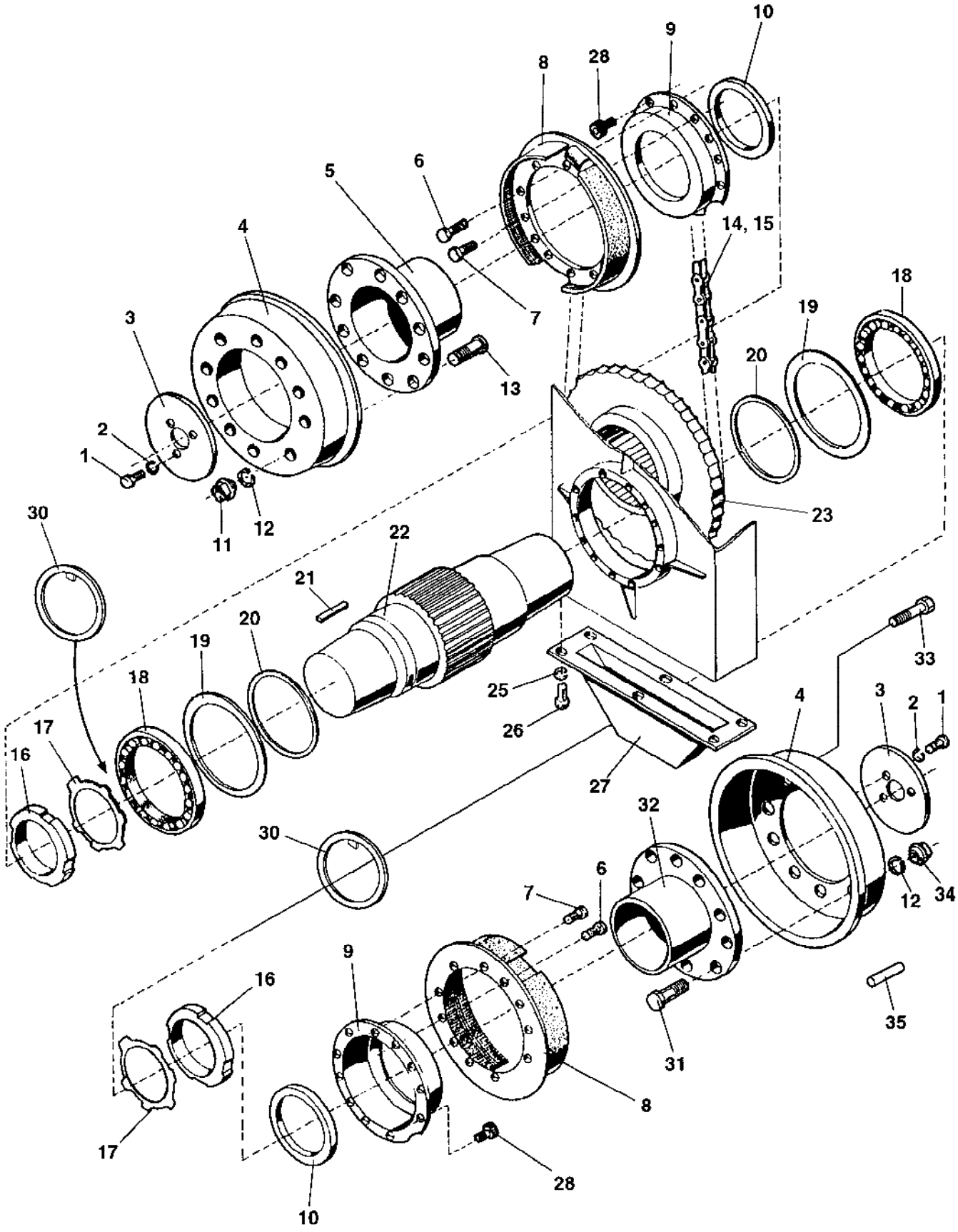
## Front suspension

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 500051 | | 2 | Screw M12-1,75x25 8,8 | |
| 2 | 904231 | | 2 | Washer 13x24x2 | |
| 3 | 259211 | | 1 | Snap plate | |
| 4 | 259349 | | 2 | Spacer | |
| 5 | 116016 | | 3 | Bearing | B |
| 6 | 255658 | | 3 | Ring | |
| 7 | 163108 | | 3 | Seal ring | |
| 8 | 256127 | | 1 | Shaft | |
| 9 | 258729 | | 1 | Pin | |
| 10 | 310037 | | 1 | Grease nipple | D |
| 11 | 256157 | | 3 | Bearing cover | |
| 12 | 135011 | | 3 | Lock nut | |
| 13 | 136011 | | 3 | Lock washer | |
| 14 | 252668 | | 3 | Ring | |
| 15 | 116009 | | 3 | Bearing | B |
| 16 | 256159 | | 3 | Wheel hub | |
| 17 | 502017 | | 18 | Screw | |
| 18 | 904229 | | 18 | Washer 8,4x16x1,5 | |
| 19 | 754014 | | 28 | Nut | |
| 20 | 902252 | | 28 | Washer | |
| 21 | 754105 | | 28 | Screw | |
| 22 | 490065 | A | | Lube grease SKF LGHQ3 | |

A) Quantity as required

**Rear suspension**

**17599**

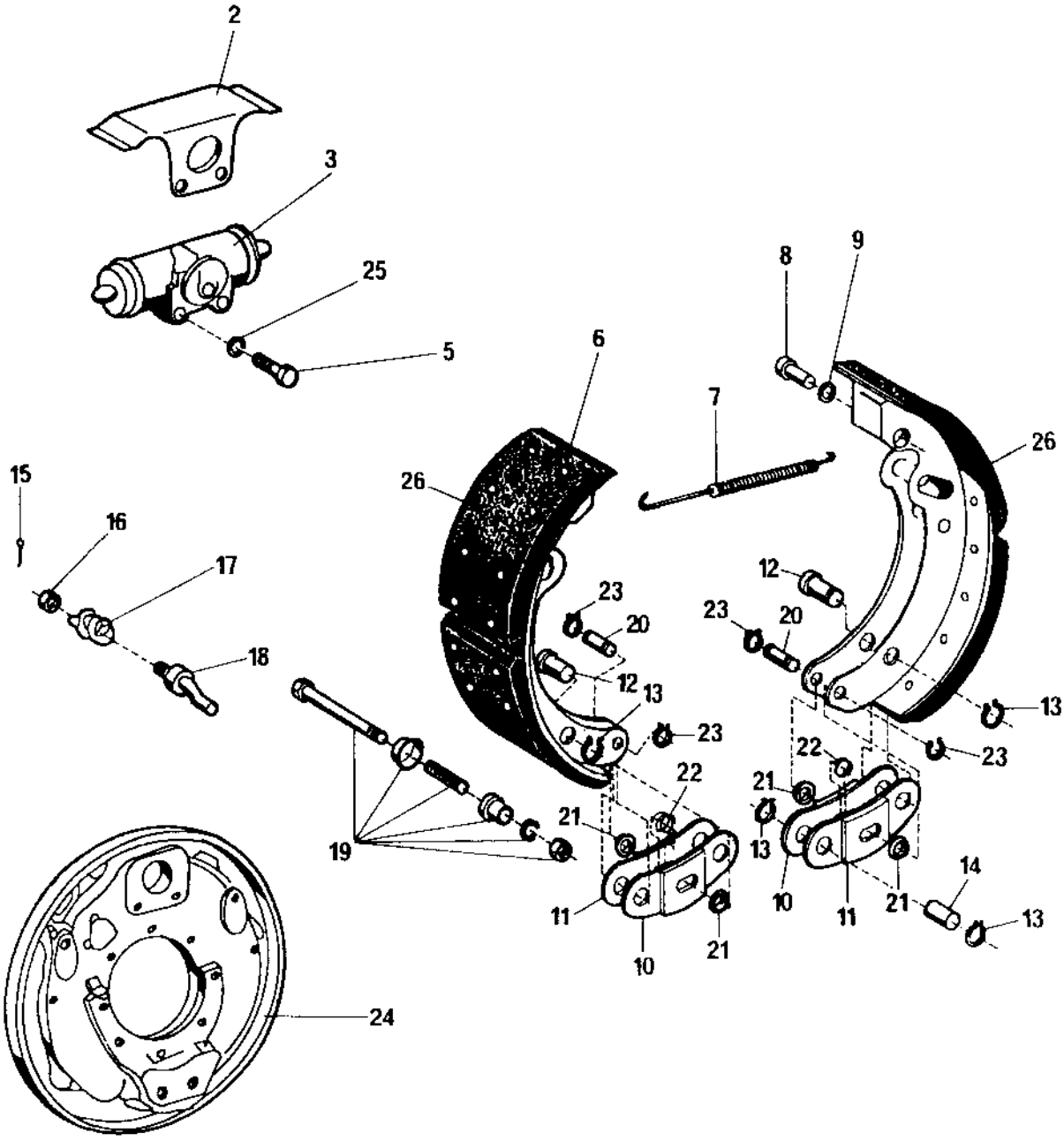


| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 947696 | | 12 | Screw M16x45 | |
| 2 | 904232 | | 12 | Washer 17x30x3 | |
| 3 | 254088 | | 4 | Snap plate | |
| 4 | 253745 | | 4 | Brake drum | |
| 5 | 253747 | A | 2 | Wheel hub | |
| 6 | 375152 | | 12 | Spacer | |
| 7 | 900724 | B | 20 | Screw | |
| | 375152 | B | 20 | Spacer | |
| 8 | 259219 | | 4 | Brake ( Page 34 ) | |
| 9 | 268419 | | 4 | Bearing cover | |
| 10 | 161084 | | 4 | Seal ring | |
| 11 | 754014 | | 20 | Nut | |
| 12 | 902252 | | 40 | Washer | |
| 13 | 747097 | | 20 | Wheel stud | |
| 14 | 417055 | | 2 | Chain | D |
| 15 | 417040 | | 2 | Chain lock | D |
| 16 | 381717 | G | 4 | Lock nut | |
| 17 | 136021 | | 4 | Washer | |
| 18 | 116018 | | 4 | Bearing | B |
| 19 | 134051 | | 4 | Ring | |
| 20 | 150038 | | 4 | Snap ring | D |
| 21 | 350082 | | 4 | Flat key | |
| 22 | 259088 | | 2 | Shaft | |
| 23 | 380187 | | 2 | Chain wheel | |
| 25 | 904557 | | 12 | Washer 10,5x22x4 | |
| 26 | 500028 | | 12 | Screw M10-1,5x25 8,8 | |
| 27 | 261490 | | 2 | Cover | |
| 28 | 509028 | | 56 | Screw | |
| 30 | 376465 | | 4 | Spacer ring | |
| 31 | 754105 | C | 20 | Screw Up to 22620304 | |
| 32 | 253747 | E | 2 | Wheel hub Up to 22620304 | |
| | 382858 | F | 2 | Wheel hub From 22620305 | |
| 33 | 904920 | D | 20 | Screw M20-1,5x60 10,9 From 22620305 | |
| 34 | 754014 | C | 20 | Nut Up to 22620304 | |
| 35 | 904930 | D | 4 | Parallel pin From 22620305 | |

A) Outher
B) Screw and spacer together
C) For hub without threaded holes
D) For hub with threaded holes
E) Hub without threaded holes
F) Hub with threaded holes
G) Not used as spare part; we recommend 381716 together with 4 pcs of 516049 (totally 16 pcs)

259219 Brake

16233

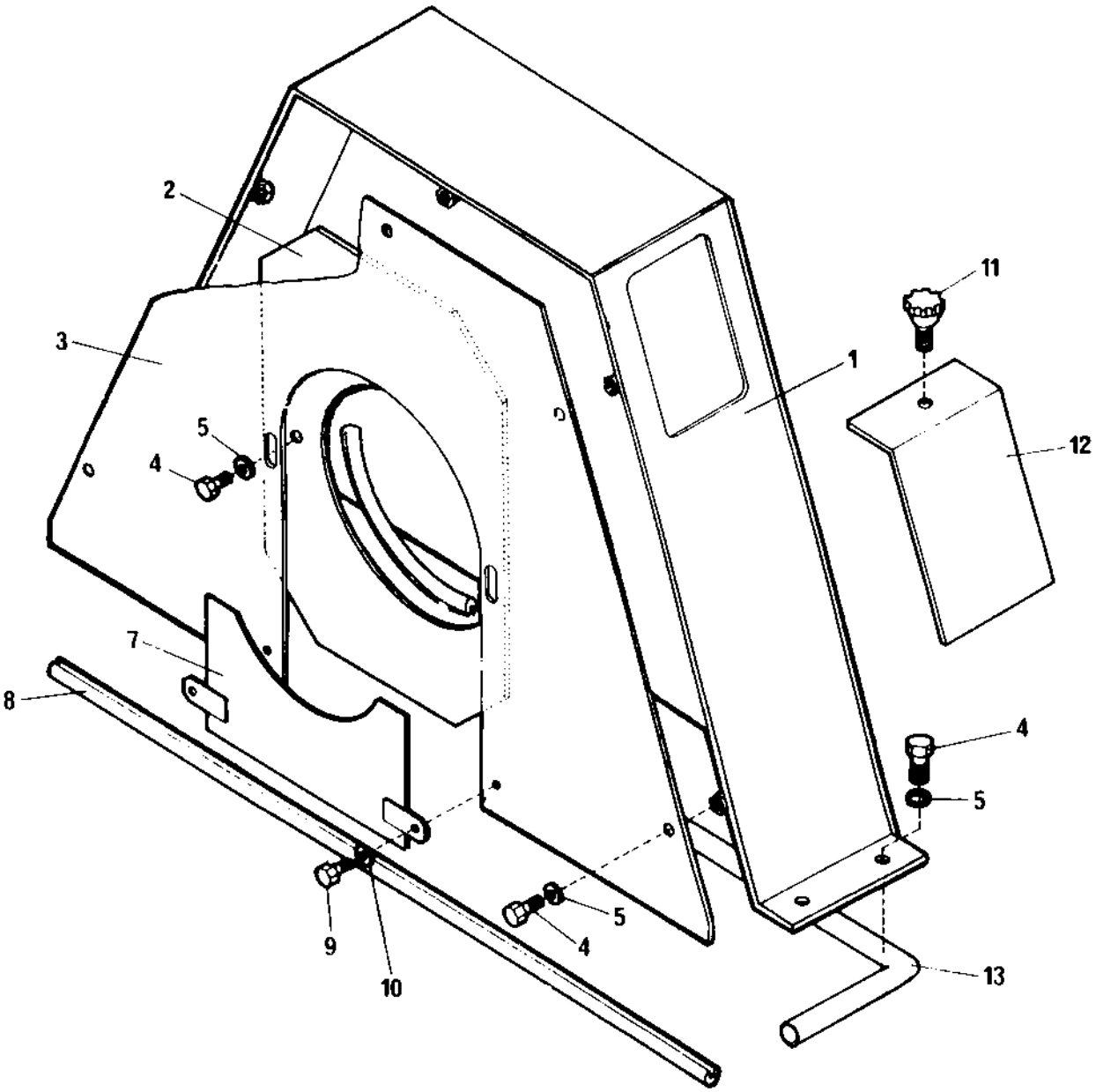


## 259219 Brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 2 | 754025 | | 1 | .Protecting plate | |
| 3 | 415114 | | 1 | .Brake cylinder | D |
| 5 | 500028 | | 2 | .Screw M10-1,5x25 8,8 | |
| 6 | 754009 | | 2 | .Brake disc | B |
| 7 | 754022 | | 2 | .Spring | |
| 8 | 754006 | | 2 | .Spring holder | |
| 9 | 754001 | | 2 | .Lock | |
| 10 | 754027 | | 2 | .Rod end | |
| 11 | 754026 | | 2 | .Rod end | |
| 12 | 754021 | | 2 | .Pin | |
| 13 | 754029 | | 6 | .Snap ring | |
| 14 | 754020 | | 2 | .Pin | |
| 15 | 754007 | | 2 | .Pin | |
| 16 | 754016 | | 2 | .Nut | |
| 17 | 754024 | | 2 | .Spring | |
| 18 | 754010 | | 2 | .Adjusting bolt | |
| 19 | 754012 | | 2 | .Mounting kit | D |
| 20 | 754019 | | 2 | .Pin | |
| 21 | 754028 | | 4 | .Seat | |
| 22 | 754023 | | 2 | .Spring | |
| 23 | 754018 | | 4 | .Lock | |
| 24 | 263100 | | 1 | .Wheel column | |
| 25 | 604007 | | 2 | .Spring washer | |
| 26 | 754010 | | 2 | .Adjusting bolt | |

**195176 Chain protector**

**16280**



## 195176 Chain protector

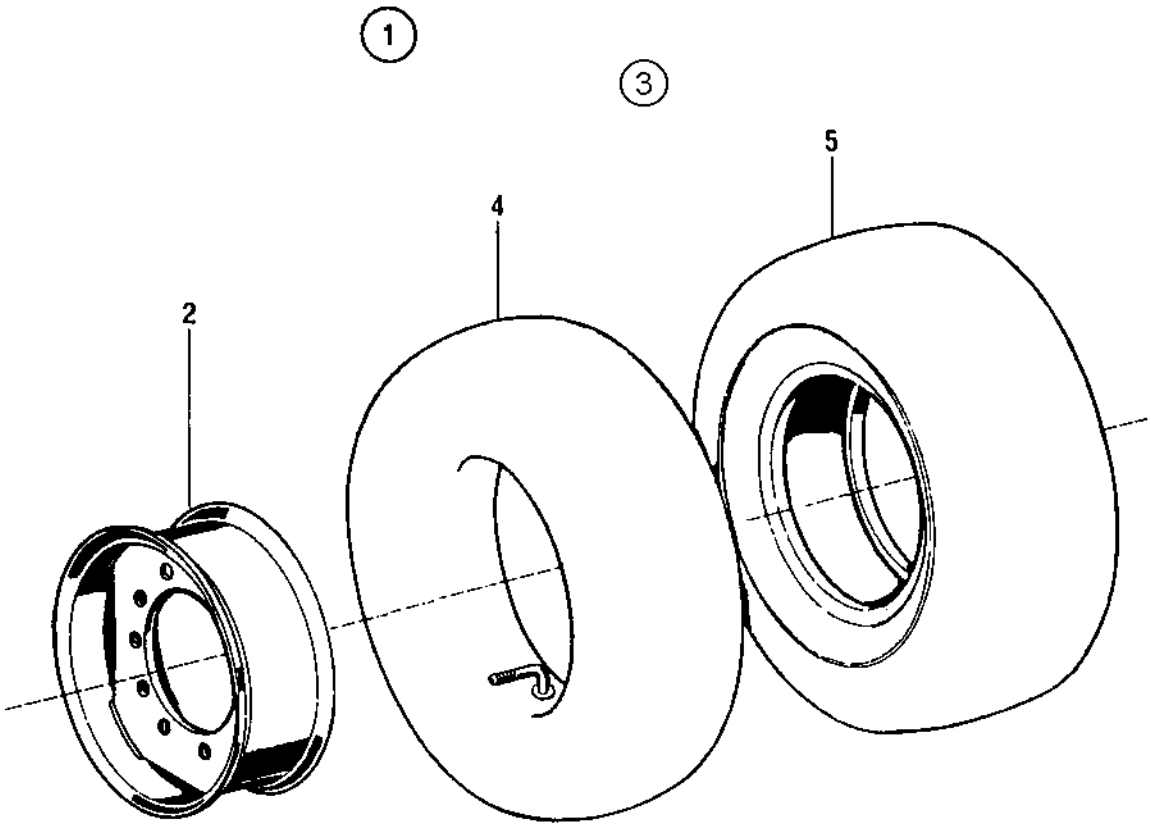
| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 195177 | | 1 | Cover plate, left | |
| | 195178 | | 1 | Cover plate, right | |
| 2 | 195034 | | 1 | Cover | |
| 3 | 195181 | | 2 | Cover | |
| 4 | 500043 | | 22 | Screw M10x16H 8,8 | |
| 5 | 904230 | | 22 | Washer 10,5x22x2 | |
| 7 | 195182 | | 1 | Cover | |
| 8 | 246947 | A | | Rubber strip | |
| 9 | 500188 | | 4 | Screw M8-1,25x14 8,8 | |
| 10 | 904229 | | 4 | Washer 8,4x16x1,5 | |
| 11 | 904596 | | 2 | Hand knob | |
| 12 | 195180 | | 2 | Cover | |
| 13 | 202057 | B | | Edge trim | D |

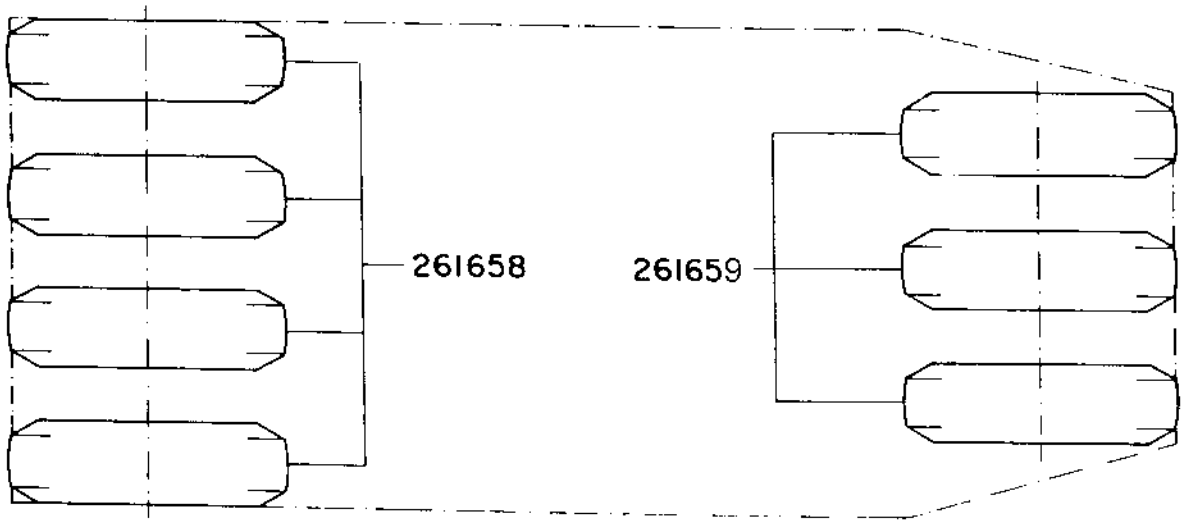
A) L=1084MM
B) L=1548MM

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 51 | | | | Wheel with Bridgestone tyre ( Page 40 ) | |
| 52 | | | | Wheel with Michelin tyre ( Page 42 ) | |
| 53 | | | | Wheel with Firestone tyre ( Page 44 ) | |

**Wheel with Bridgestone tyre**

**16242-2**



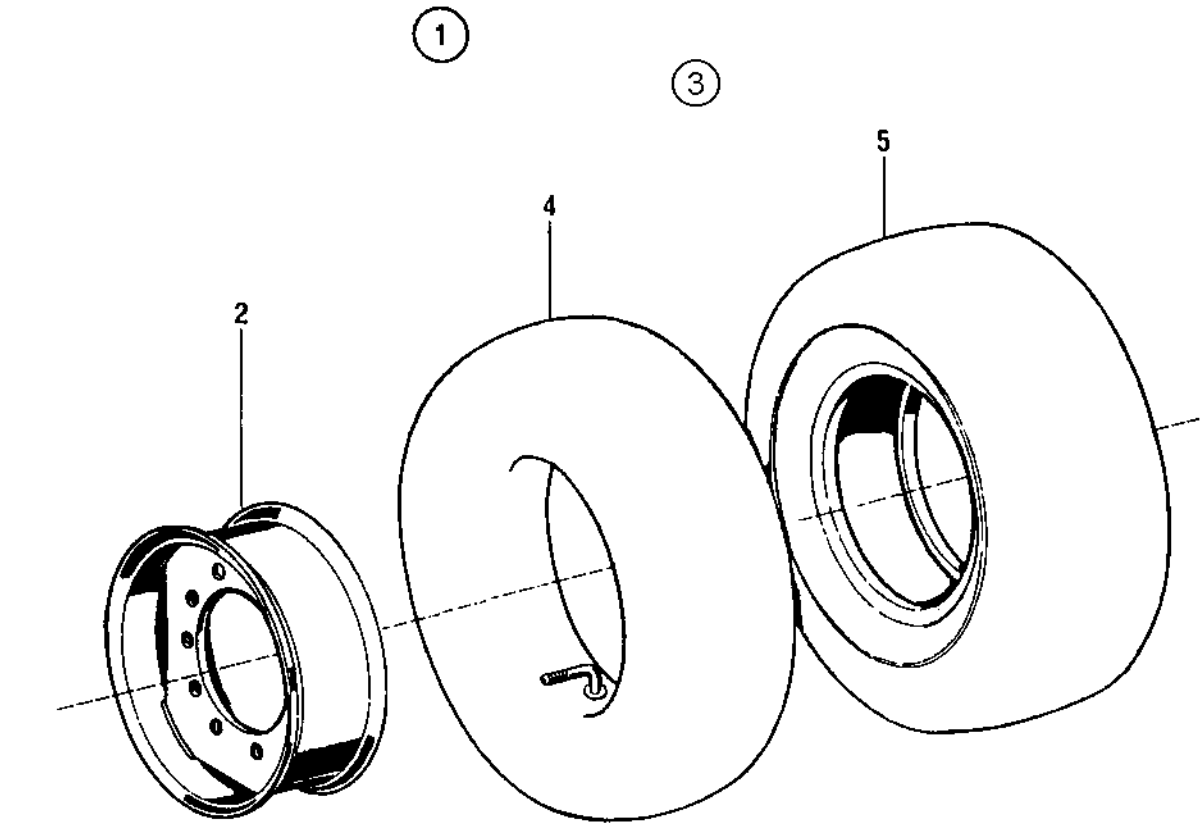
## Wheel with Bridgestone tyre

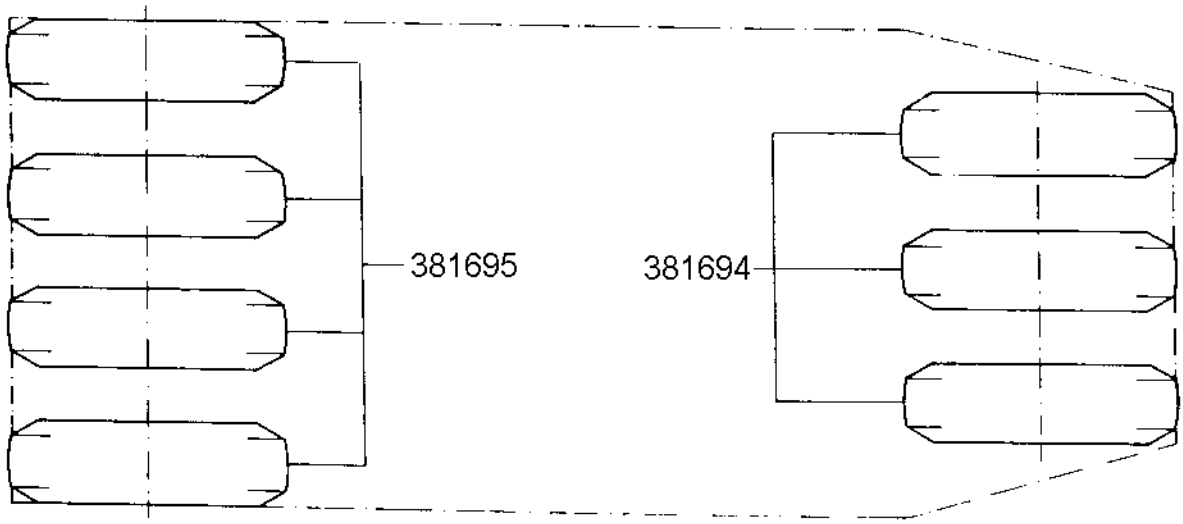
| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 261659 | D,E | 3 | Wheel, cpl | |
| | 261658 | D | 4 | Wheel, cpl | |
| 2 | 259089 | A | 1 | .Rim | |
| | 250658 | B | 1 | .Rim | |
| 3 | 269482 | D | 1 | .Inner tube and tyre | |
| 4 | 195414 | | 1 | ..Inner tube | |
| 5 | 904763 | C,D | 1 | ..Tyre, smooth | B |

A) Included in 261659
B) Included in 261658
C) Bridgestone
D) Attention: Don't mix different types of tyres on the same machine, cause the specifications are different and don't match.
E) Earlier used 261657 is replaced by 261659.

**Wheel with Michelin tyre**

**17335**



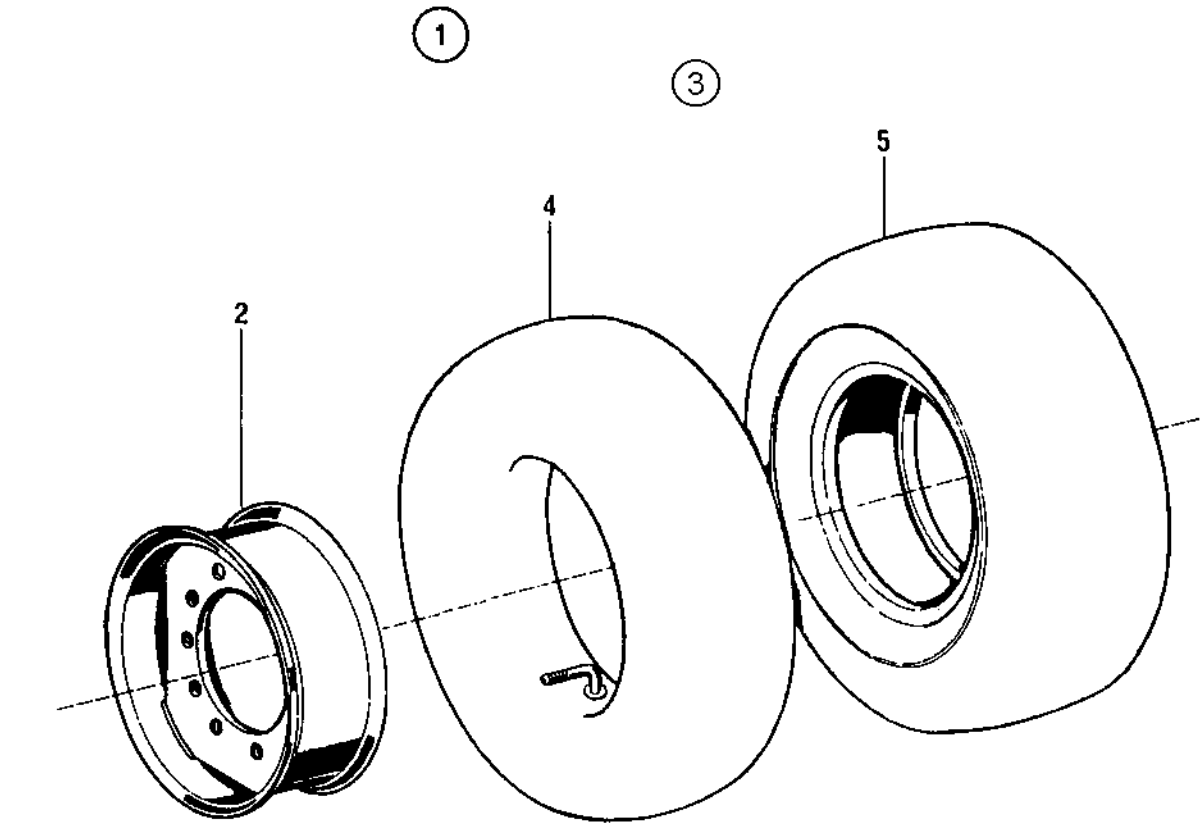
## Wheel with Michelin tyre

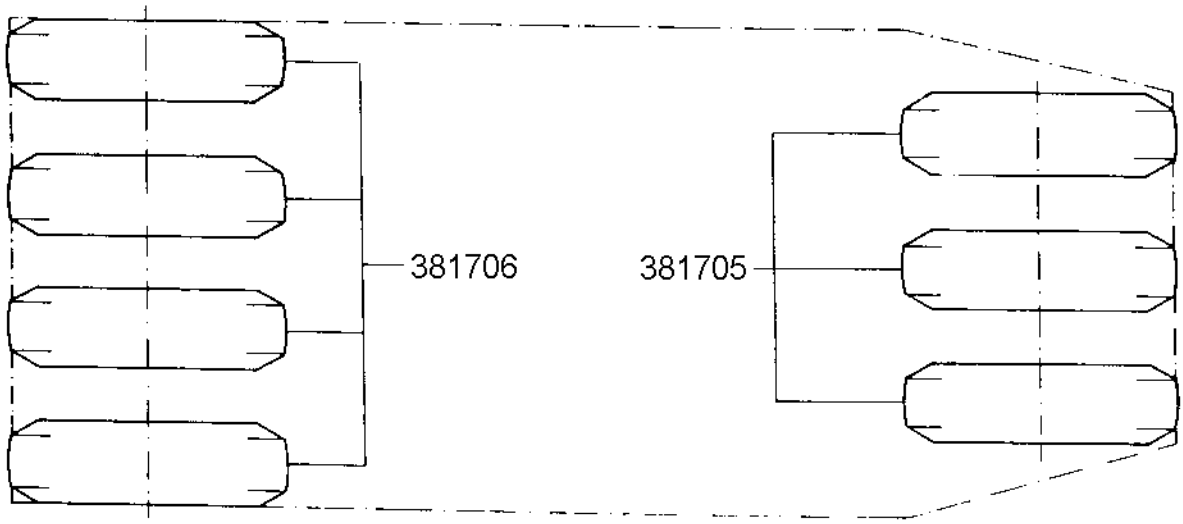
| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 381694 | D | 3 | Wheel, cpl | |
| | 381695 | D | 4 | Wheel, cpl | |
| 2 | 259089 | A | 1 | .Rim | |
| | 250658 | B | 1 | .Rim | |
| 3 | 381620 | D | 1 | .Inner tube and tyre | |
| 4 | 195414 | | 1 | ..Inner tube | |
| 5 | 901317 | C,D | 1 | ..Tyre | B |

A) Included in 381694
B) Included in 381695
C) Michelin
D) Attention: Don't mix different types of tyres on the same machine, cause the specifications are different and don't match.

**Wheel with Firestone tyre**

**17762**



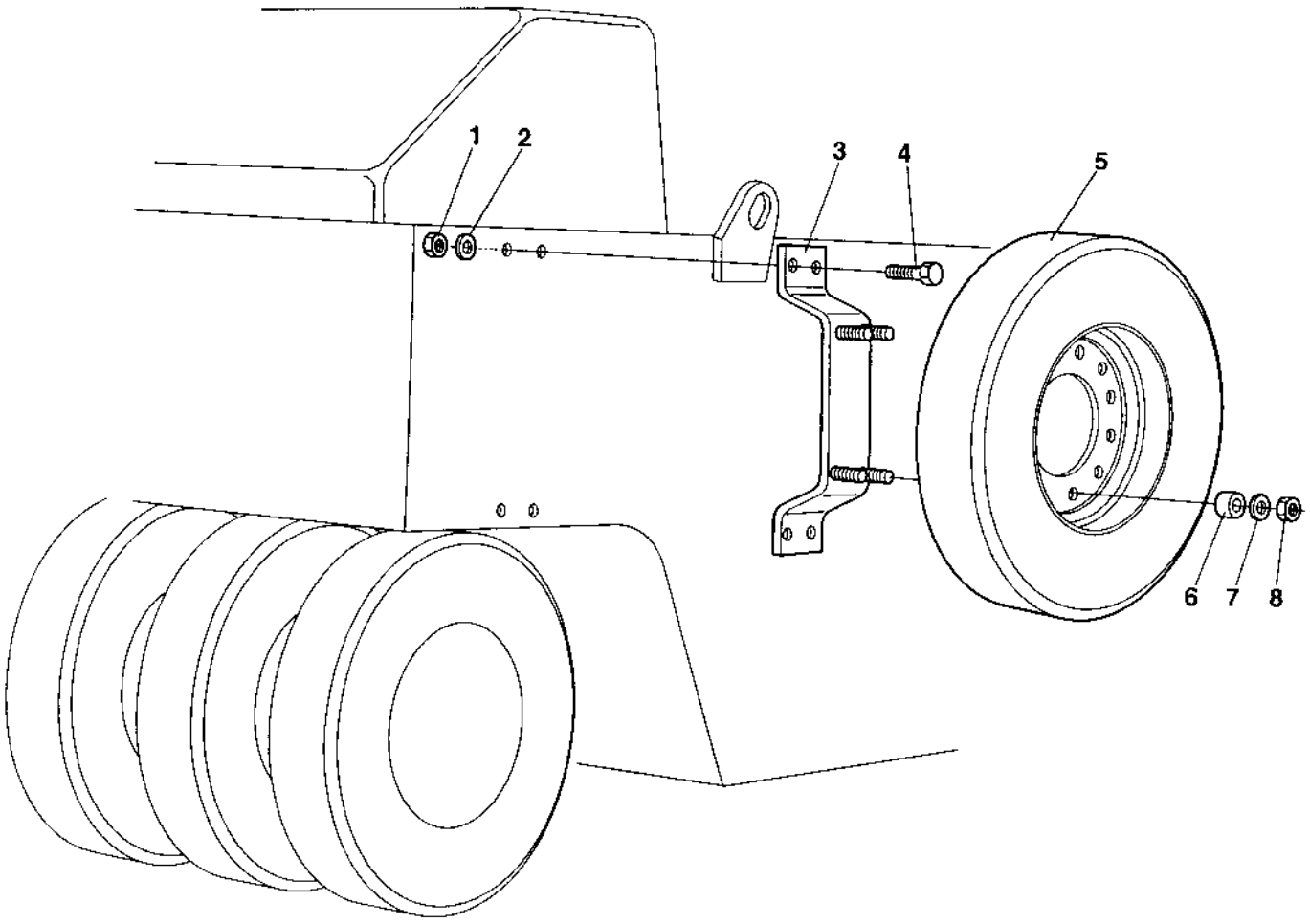
## Wheel with Firestone tyre

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 381705 | D | 3 | Wheel, cpl | |
| | 381706 | D | 4 | Wheel, cpl | |
| 2 | 259089 | A | 1 | .Rim | |
| | 250658 | B | 1 | .Rim | |
| 3 | 381704 | D | 1 | .Inner tube and tyre | |
| 4 | 195414 | | 1 | ..Inner tube | |
| 5 | 401048 | C,D | 1 | ..Tyre | B |

A) Included in 381705
B) Included in 381706
C) Firestone
D) Attention: Don't mix different types of tyres on the same machine, cause the specifications are different and don't match.

**Spare wheel Option**

**16430**



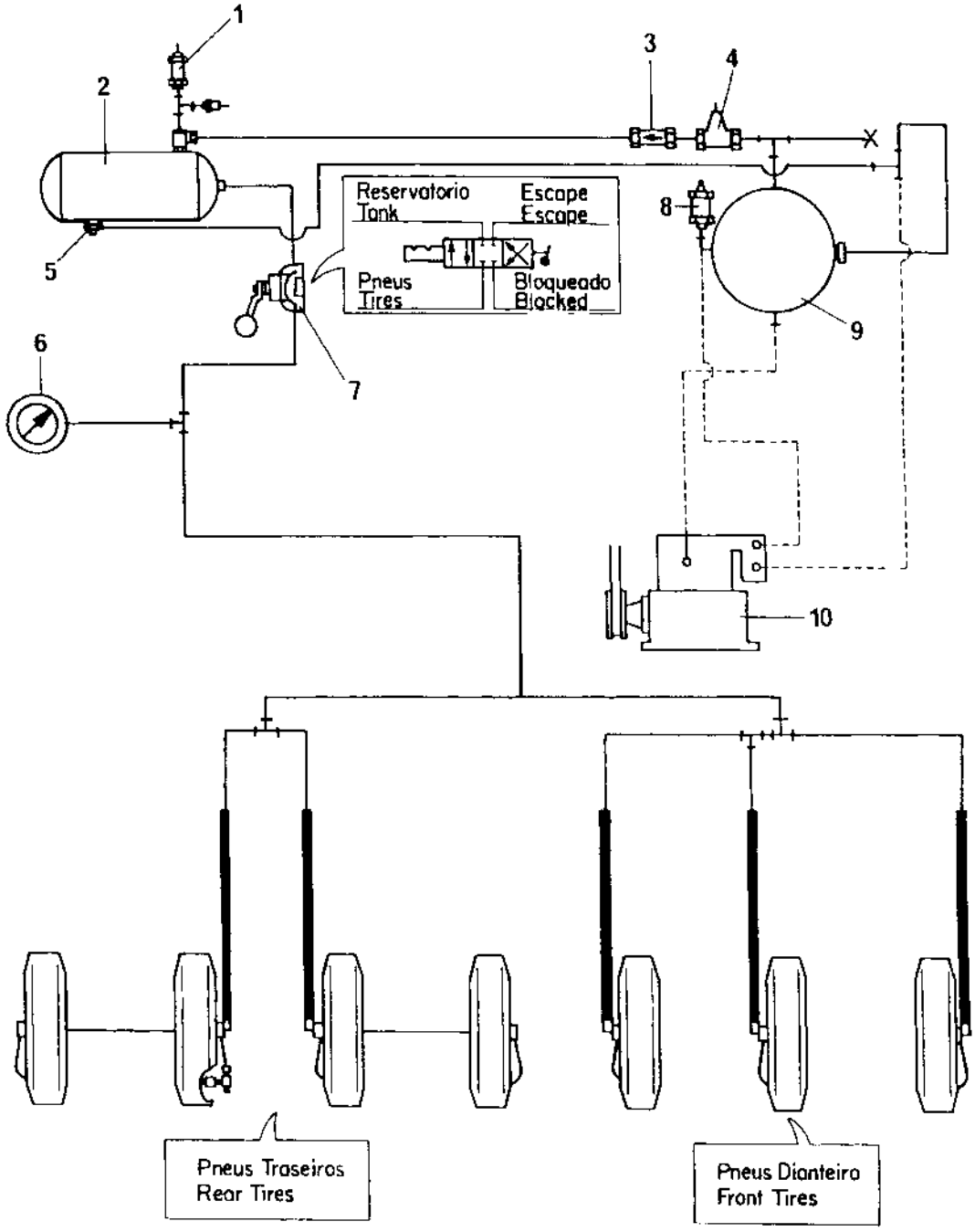
## Spare wheel Option

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 570015 | | 4 | Nut M20 | |
| 2 | 904233 | | 8 | Washer 21x36x3 | |
| 3 | 257028 | | 1 | Bracket | |
| 4 | 500101 | | 4 | Screw M20x50 | |
| 5 | 261658 | A,D | 1 | Wheel, cpl | |
| | 381695 | B,D | 1 | Wheel, cpl | |
| | 381706 | C,D | 1 | Wheel, cpl | |
| 6 | 257029 | | 4 | Spacer | |
| 7 | 902252 | | 4 | Washer | |
| 8 | 754014 | | 4 | Nut | |

A) Bridgestone
B) Michelin
C) Firestone
D) Attention: Don't mix different types of tyres on the same machine, cause the specifications are different and don't match.

**Pneumatic circuit diagram Option**

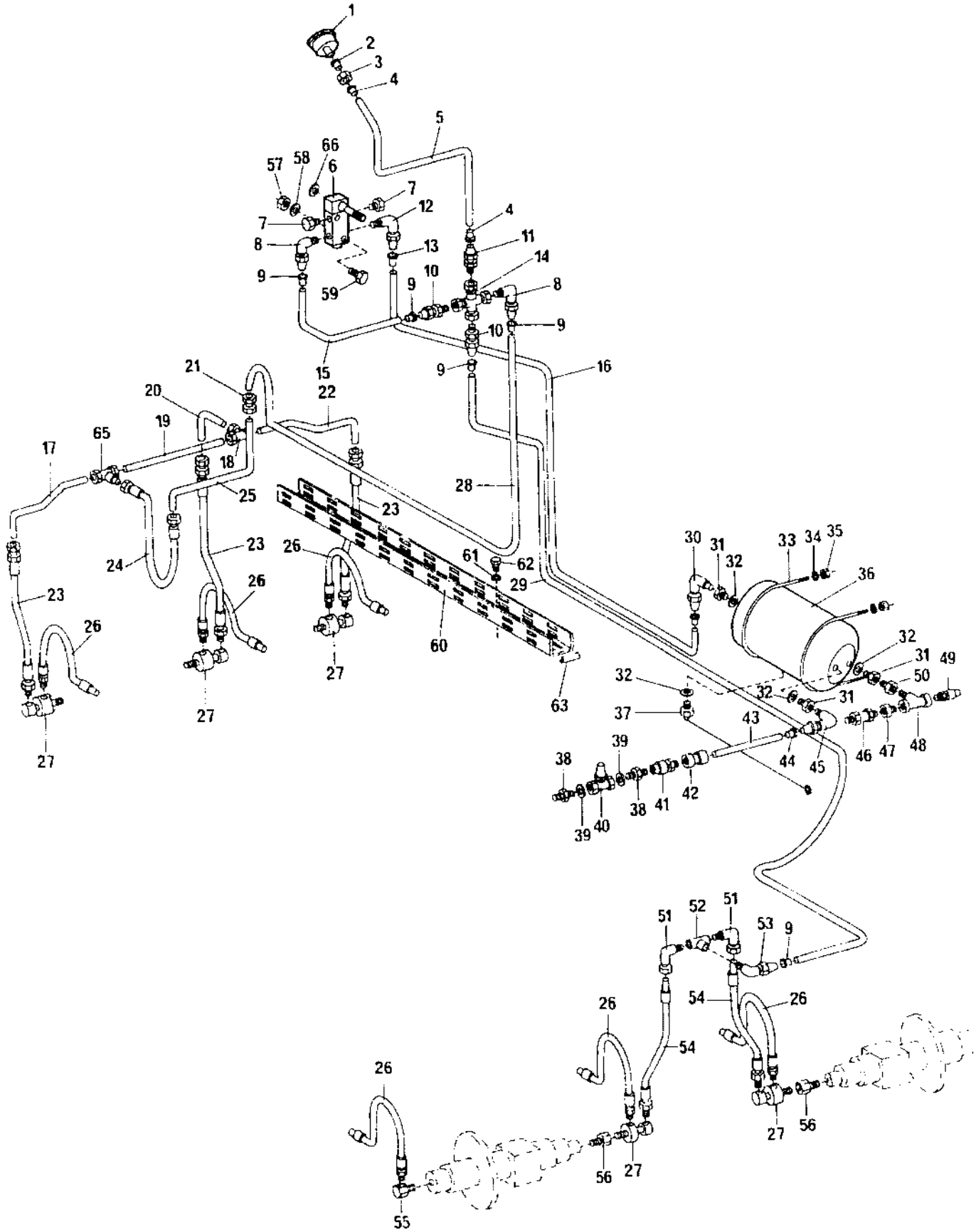
**16243**



## Pneumatic circuit diagram Option

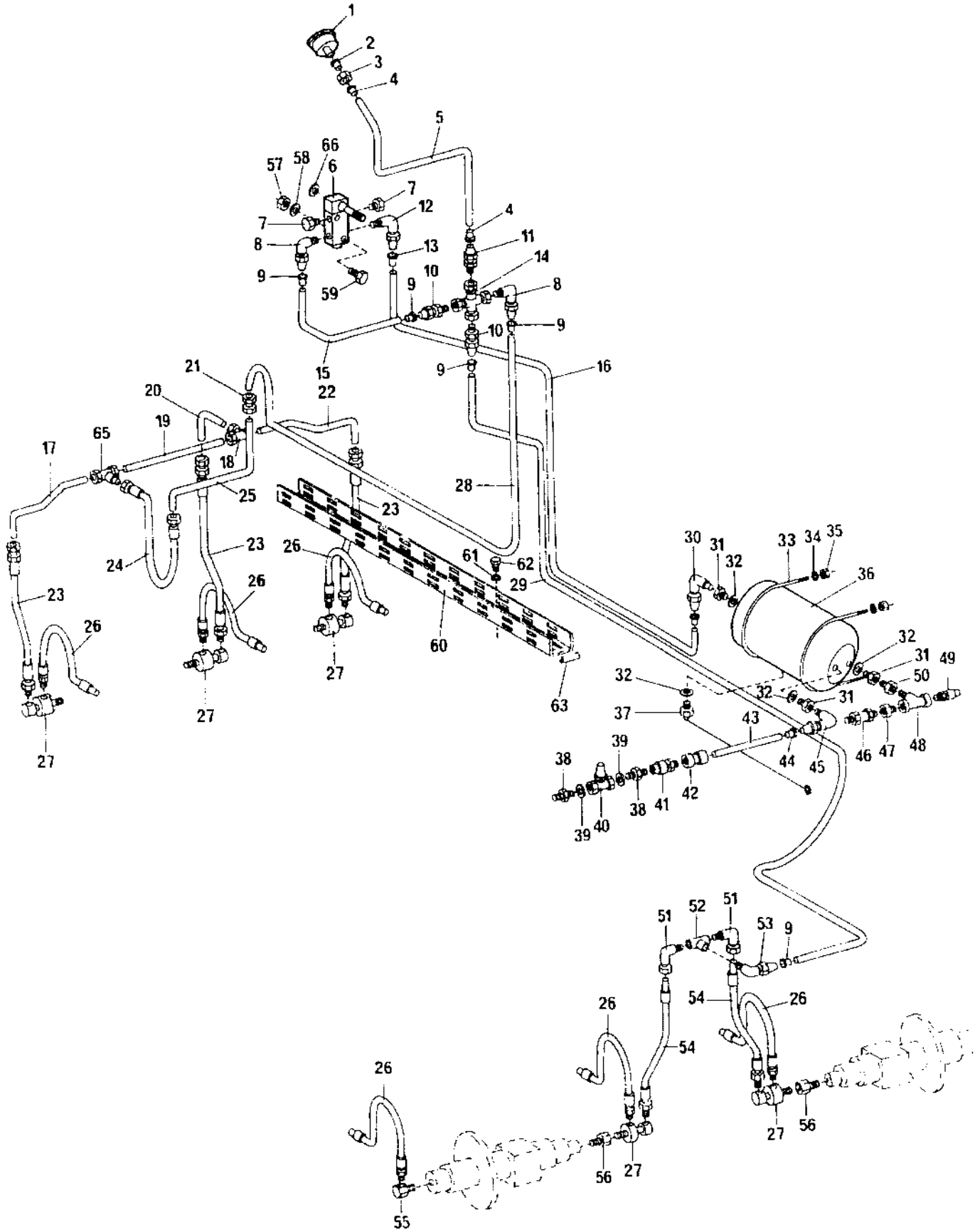
| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 333062 | | 1 | Safety valve | D |
| 2 | 255907 | | 1 | Air tank | |
| | 384615 | A | 1 | Air tank From 22620355 | |
| 3 | 912120 | | 1 | Check valve | D |
| 4 | 333067 | | 1 | Valve | D |
| 5 | 333053 | | 1 | Drain valve | D |
| | 195054 | | 1 | Drain valve | |
| 6 | 266221 | | 1 | Manometer | D |
| 7 | 190886 | | 1 | Valve | |
| | 194362 | | 1 | Valve | |
| 8 | 333062 | | 1 | Safety valve | D |
| 9 | | | 1 | Air tank | D |
| 10 | | | | Compressor, see another assembly | D |

A) Replaces earlier 902139


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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 266221 | | 1 | Manometer | D |
| | 927025 | | 1 | Socket | |
| | 747583 | | 1 | Bulb | |
| | 195814 | G | 1 | Pipe, nylon | D |
| | 904626 | | 1 | Coupling | |
| | 926625 | | 1 | Sleeve | |
| 2 | 231193 | | 1 | Sleeve | |
| 3 | 231192 | A | 1 | Nut | |
| 4 | 920783 | | 2 | Insert | |
| 5 | 247154 | H | 1 | Pipe | |
| 6 | 374791 | | 1 | Directional valve | |
| 7 | 232078 | | 2 | Plug | |
| 8 | 920794 | | 3 | Nipple | |
| 9 | 920784 | | 6 | Insert | |
| 10 | 192804 | | 2 | Connection | |
| 11 | 920787 | | 1 | Pipe connection | |
| 12 | 920795 | | 1 | Brake connection | |
| 13 | 920785 | | 2 | Insert | |
| 14 | 192803 | | 1 | Connection | |
| 15 | 247151 | | 1 | Pipe 3/8" | |
| 16 | 247152 | | 1 | Tube | D |
| 17 | 262092 | | 1 | Tube | |
| 18 | 230524 | | 1 | Connection-T | |
| 19 | 262091 | | 1 | Tube | |
| 20 | 259246 | | 1 | Tube | |
| 21 | 230322 | | 1 | Connection | |
| 22 | 259245 | | 1 | Tube | |
| 23 | 257987 | | 3 | Hose | |
| 24 | 257988 | | 1 | Hose | |
| 25 | 192245 | | 1 | Tube | |
| 26 | 191927 | | 7 | Hose | |
| 27 | 195172 | | 5 | Rotor | |
| 28 | 247151 | A | 1 | Pipe 3/8" | |
| 29 | 247151 | B | 1 | Pipe 3/8" | |
| 30 | 191921 | | 1 | Elbow | |
| 31 | 234729 | | 3 | Reducing nipple | |
| 32 | 330333 | | 4 | Copper washer | D |
| 33 | 194366 | | 2 | Clamp | |
| 34 | 904230 | | 4 | Washer 10,5x22x2 | |
| 35 | 570006 | | 4 | Nut M10 | |
| 36 | 384615 | J | 1 | Air tank From 22620355 | |
| 37 | 195054 | | 1 | Drain valve | |
| 38 | 240264 | | 2 | Adapter | |
| 39 | 330333 | | 2 | Copper washer | D |
| 40 | 333067 | | 1 | Valve | D |
| 41 | 912120 | | 1 | Check valve | D |
| 42 | 268920 | | 1 | Adapter | |
| 43 | 247153 | C | 1 | Tube | |
| 44 | 920786 | | 2 | Insert | |
| 45 | 194212 | | 1 | Elbow | |
| 46 | 333062 | | 1 | Safety valve | D |
| 47 | 813465 | | 1 | Reducing | |
| 48 | 253007 | | 1 | Tee-connector | |

A) L=1090 mm
B) L=3500 mm
C) L=350 mm
G) L=150 mm
H) L=420 mm
J) Replaces earlier 902139

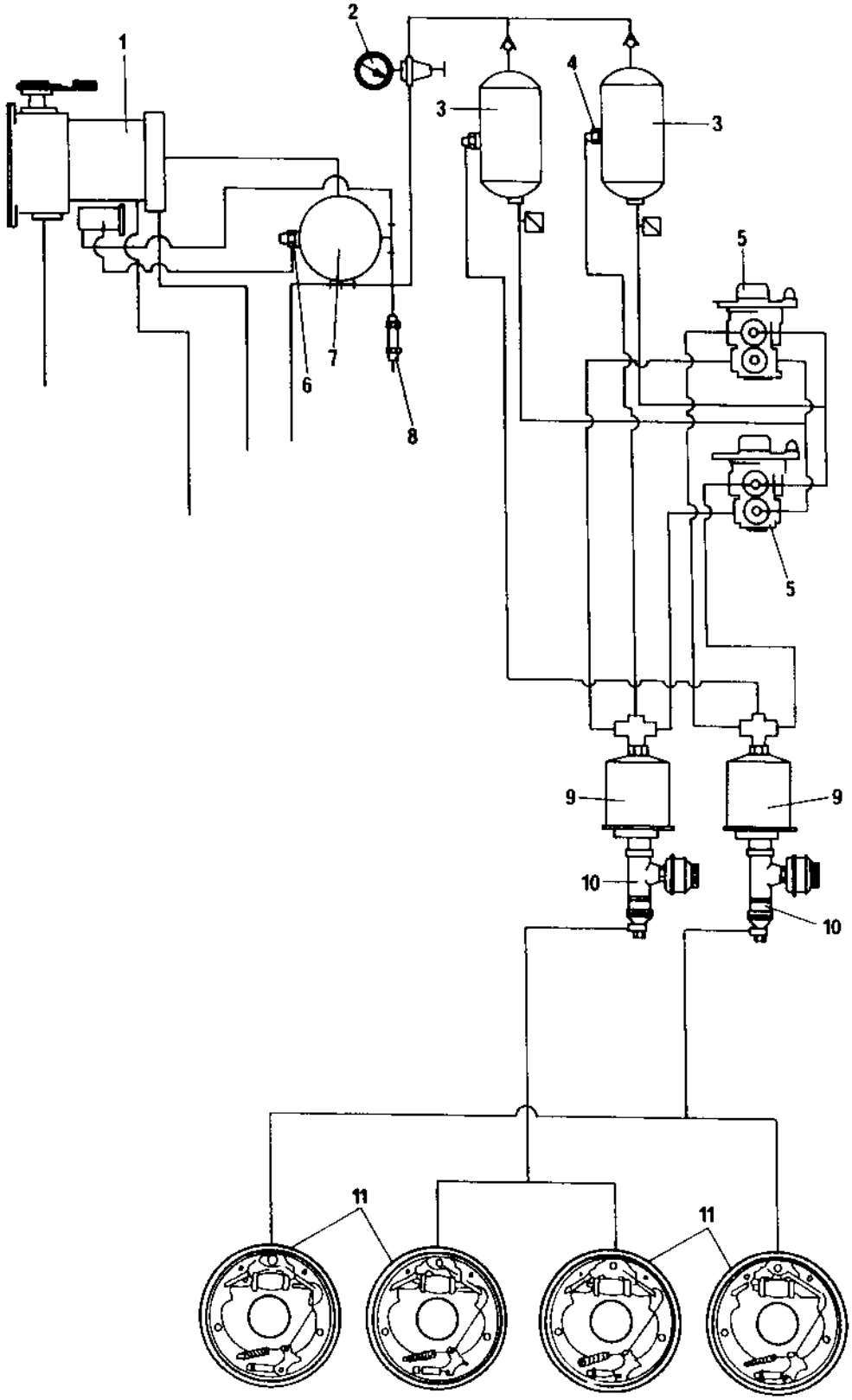

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 49 | 401106 | | 1 | Filler pipe | |
| 50 | 334603 | | 2 | Bushing | |
| 51 | 194365 | | 2 | Connection 90deg | |
| 52 | 814262 | | 1 | Tee-connector | |
| 53 | 920794 | | 1 | Nipple | |
| 54 | 194367 | | 2 | Hose | |
| 55 | 257985 | | 2 | Connector | |
| 56 | 254086 | | 2 | Connector | |
| 57 | 570003 | | 2 | Nut M5 | |
| 58 | 615042 | | 2 | Conical spring washer | |
| 59 | 500099 | | 2 | Screw | |
| 60 | 380251 | | 1 | Channel | |
| 61 | 904281 | | 8 | Washer 5,3x10x1 | |
| 62 | 500012 | | 8 | Screw M6x12 | |
| 63 | 202028 | D | 4 | Edge trim | |
| 65 | 230055 | | 1 | Connection-T | |
| 66 | 904281 | F | | Washer 5,3x10x1 | |

D) L=400 mm
F) Inside panel

**Diagram brake circuit**

**16292**



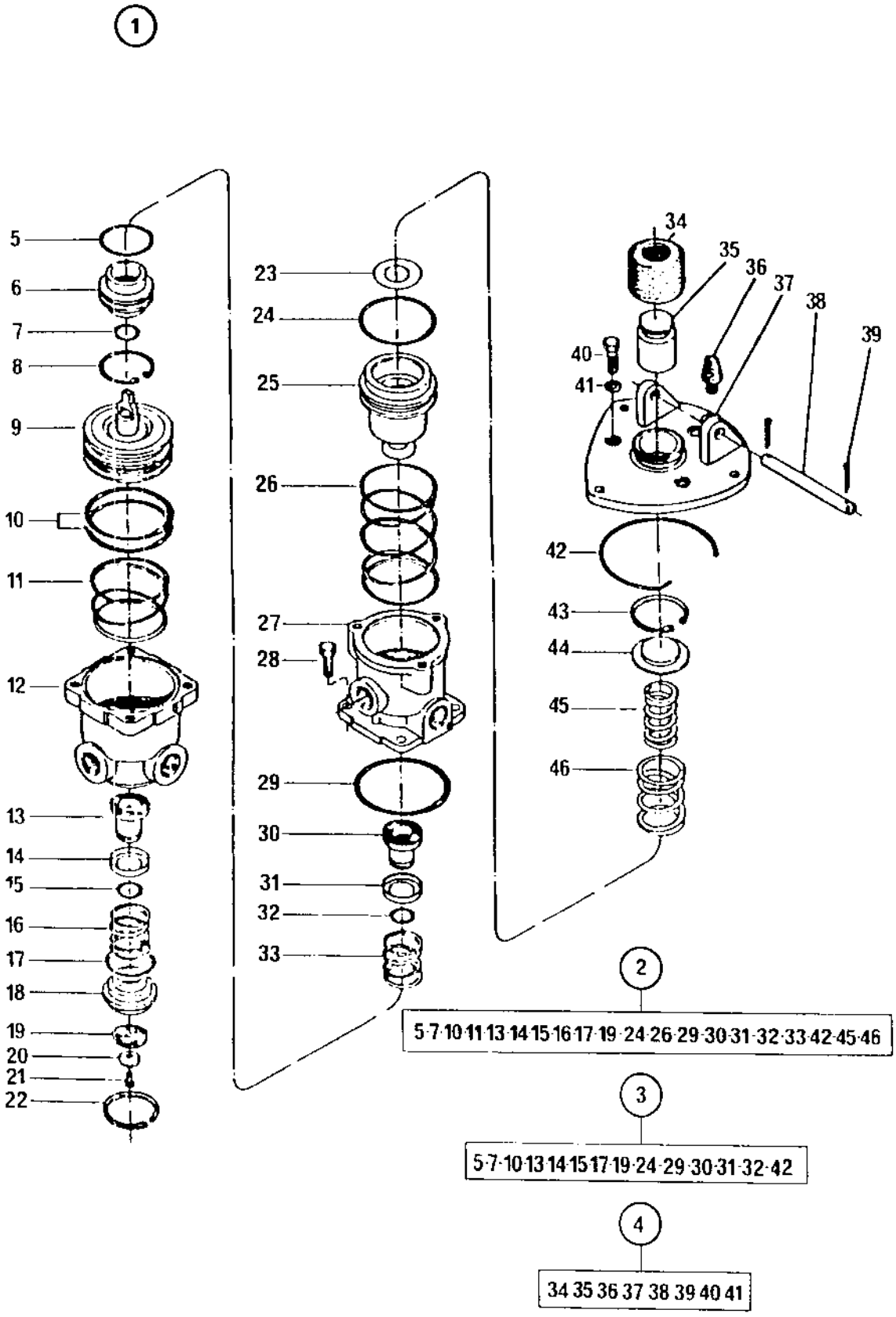
## Diagram brake circuit

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | | Compressor, see another assembly | |
| 2 | 194410 | | 1 | Pressure relief valve, cpl | |
| | 197901 | | 1 | .Gauge | |
| 3 | 384614 | A | 2 | Air tank From 22620355 | |
| 4 | 269137 | | 2 | Drain valve Up to 22620359 | D |
| | 384453 | | 2 | Drain valve From 22620360 | |
| 5 | 191533 | | 2 | Brake valve, Varga ( Page 56 ) | |
| 6 | 269137 | | 1 | Drain valve Up to 22620359 | D |
| | 384453 | | 1 | Drain valve From 22620360 | |
| 7 | 384615 | B | 1 | Air tank From 22620355 | |
| 8 | 333062 | | 1 | Safety valve | D |
| 9 | 194402 | | 2 | Brake chamber | |
| 10 | 194401 | | 2 | Brake master cylinder | |
| 11 | | | 4 | Wheel, see another assembly | |

A) Replaces earlier 194237
B) Replaces earlier 902139

**191533 Brake valve, Varga**

**16267**

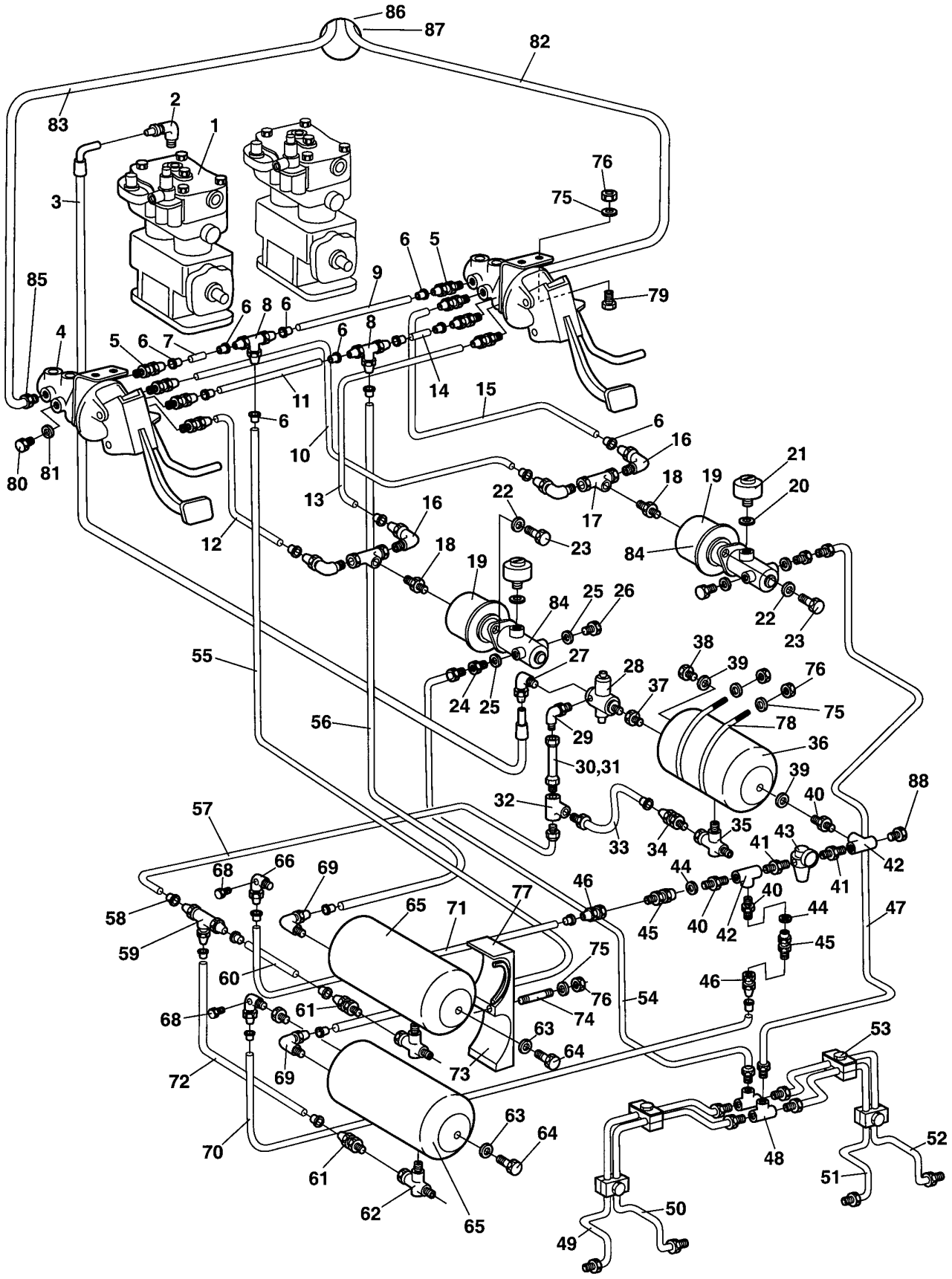


## 191533 Brake valve, Varga

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | 1 | Brake valve, Varga | |
| 2 | 192833 | | 1 | .Reversing valve | C |
| 3 | 192824 | | 1 | .Repair kit | |
| 4 | 192825 | | 1 | .Pedal repair kit | |
| 5 | | | 1 | .Seal ring | |
| 6 | | | 1 | .Valve guide | |
| 7 | | | 1 | .Seal ring | |
| 8 | | | 1 | .Retaining ring | |
| 9 | | | 1 | .Piston | |
| 10 | | | 2 | .Seal ring | |
| 11 | | | 1 | .Spring | |
| 12 | | | 1 | .Lower body | |
| 13 | | | 1 | .Valve | |
| 14 | | | 1 | .Seal ring | |
| 15 | | | 1 | .Seal ring | |
| 16 | | | 1 | .Spring | |
| 17 | | | 1 | .Seal ring | |
| 18 | | | 1 | .Guide valve | |
| 19 | | | 1 | .Diaphragm | |
| 20 | 192284 | | 1 | .Lock washer | |
| 21 | | | 1 | .Screw | |
| 22 | | | 1 | .Retaining ring | |
| 23 | | | 1 | .Washer | |
| 24 | | | 1 | .Seal ring | |
| 25 | | | 1 | .Piston | |
| 26 | | | 1 | .Spring | |
| 27 | | | 1 | .Upper body | |
| 28 | | | 4 | .Screw | |
| 29 | | | 1 | .Seal ring | |
| 30 | | | 1 | .Valve | |
| 31 | | | 1 | .Seal ring | |
| 32 | | | 1 | .Seal ring | |
| 33 | | | 1 | .Spring | |
| 34 | | | 1 | .Scoop | |
| 35 | | | 1 | .Piston | |
| 36 | | | 1 | .Pedal stop | |
| 37 | | | 1 | .Bracket | |
| 38 | | | 1 | .Pin | |
| 39 | | | 2 | .Cotter pin | |
| 40 | | | 1 | .Screw | |
| 41 | | | 2 | .Washer | |
| 42 | | | 1 | .Retaining ring | |
| 43 | | | 1 | .Retaining ring | |
| 44 | | | 1 | .Seal ring | |
| 45 | | | 1 | .Spring | |
| 46 | | | 1 | .Spring | |

**Brake circuit up to SN 22620359**

**16301-1**



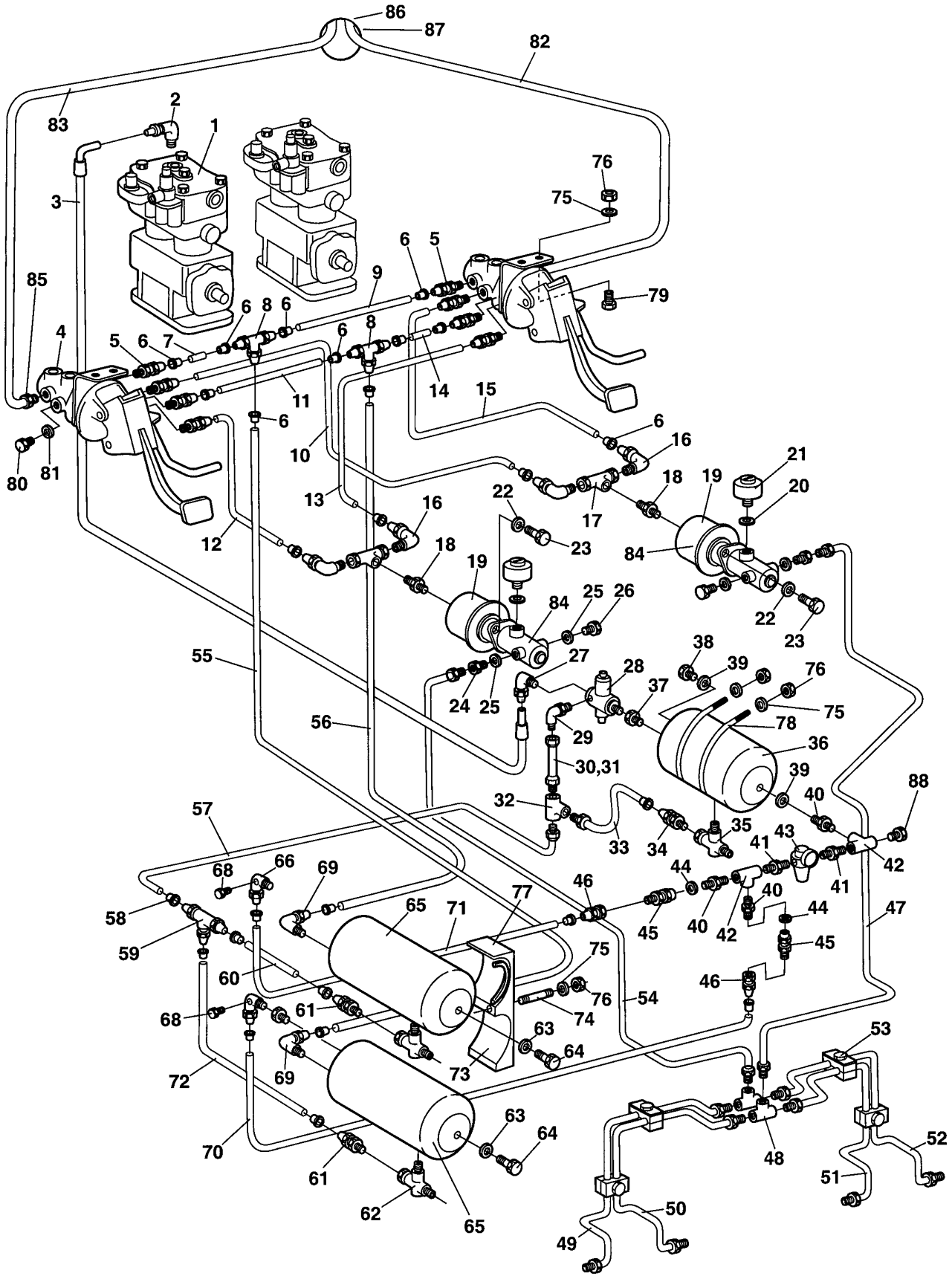
**Brake circuit up to SN 22620359**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | | Compressor, see another assembly | |
| 2 | 904659 | | 1 | Elbow 90 | |
| | 938161 | | 1 | .Nut with sealing cone | |
| 3 | 196586 | Q | 1 | Hose From 22620313 | |
| 4 | 195778 | | 2 | Brake pedal | |
| 5 | 904657 | | 8 | Straight connector | |
| 6 | 195834 | | 20 | Sleeve insert | |
| 7 | 195838 | A | | Pipe, nylon | D |
| 8 | 904660 | | 2 | Tee-connector | |
| 9 | 195838 | B | | Pipe, nylon | D |
| 10 | 195838 | C | | Pipe, nylon | D |
| 11 | 195838 | D | | Pipe, nylon | D |
| 12 | 195838 | E | | Pipe, nylon | D |
| 13 | 195838 | C | | Pipe, nylon | D |
| 14 | 195838 | F | | Pipe, nylon | D |
| 15 | 195838 | E | | Pipe, nylon | D |
| 16 | 904658 | | 4 | Elbow 90 | |
| 17 | 195831 | | 2 | Check valve double | |
| 18 | 195832 | | 2 | Connector | |
| 19 | 194402 | | 2 | Brake chamber | |
| 20 | 330333 | | 2 | Copper washer | D |
| 21 | 415277 | | 2 | Oil tank | |
| 22 | 904229 | | 6 | Washer 8,4x16x1,5 | |
| 23 | 500022 | | 6 | Screw M8-1,25x30 8,8 | |
| 24 | 194407 | | 2 | Connection | |
| 25 | 330328 | | 4 | Washer 10x14x1 | |
| 26 | 194408 | | 2 | Plug | |
| 27 | 904659 | | 1 | Elbow 90 | |
| 28 | 195810 | | 1 | Unloader valve | |
| 29 | 195813 | | 1 | Male stud elbow | |
| 30 | 195814 | H | | Pipe, nylon | D |
| 31 | 926625 | | 4 | Sleeve | |
| 32 | 195828 | | 1 | Tee-connector | |
| 33 | 195814 | I | | Pipe, nylon | D |
| 34 | 195811 | | 1 | Straight male stud | |
| 35 | 269137 | | 1 | Drain valve | D |
| 36 | 384615 | R | 1 | Air tank From 22620355 | |
| 37 | 195931 | | 1 | Connector | |
| 38 | 232052 | | 1 | Plug | D |
| 39 | 162019 | | 2 | Seal ring | D |
| 40 | 240264 | | 3 | Adapter | |
| 41 | 813722 | | 2 | Nipple | |
| 42 | 814262 | | 2 | Tee-connector | |

A) L=200 mm
B) L=940 mm
C) L=1350 mm
D) L=880 mm
E) L=800 mm
F) L=250 mm
H) L=150 mm
I) L=300 mm
Q) Replaces earlier used 195823
R) Replaces earlier 902139

**Brake circuit up to SN 22620359**

**16301-1**



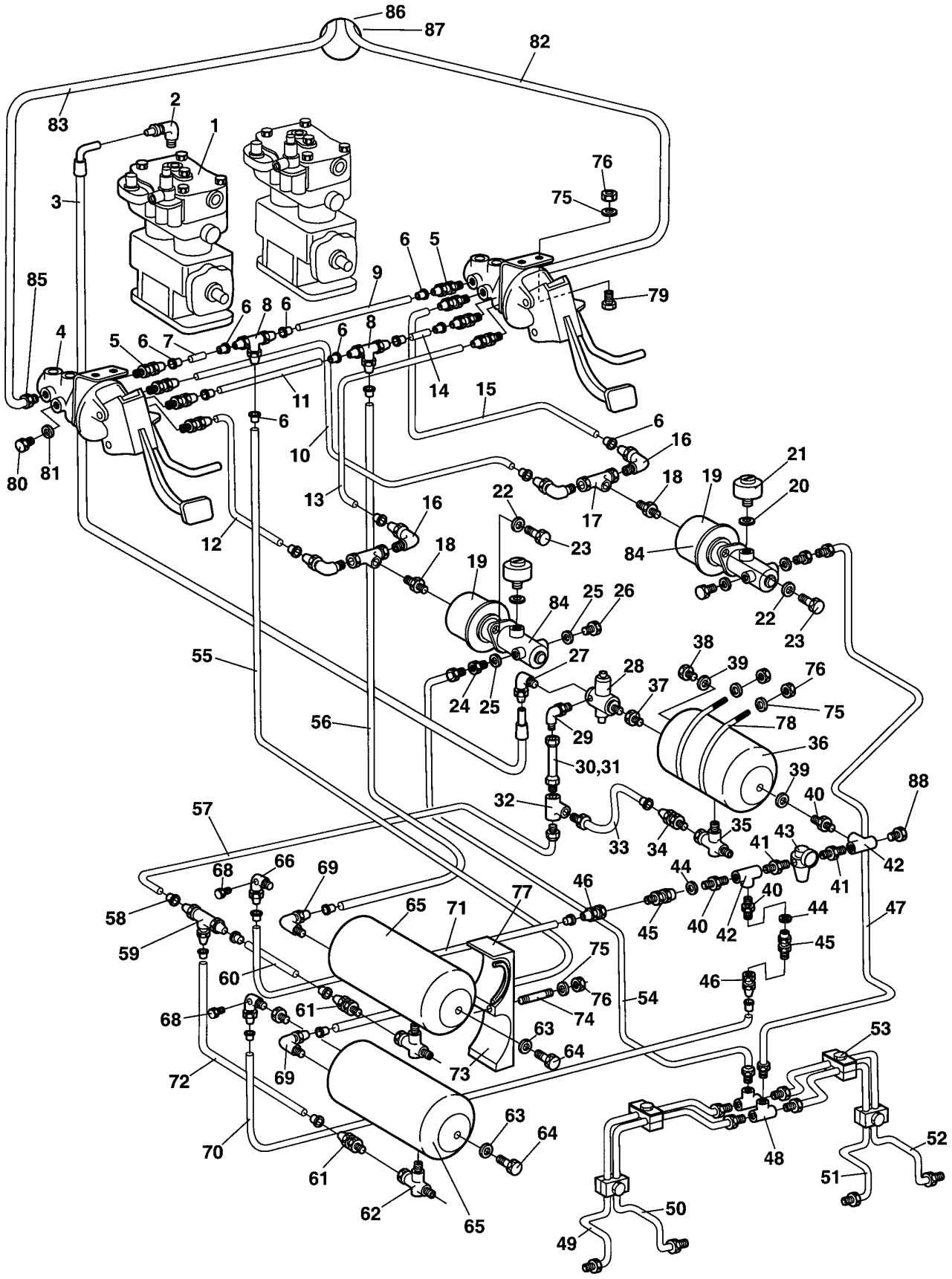
**Brake circuit up to SN 22620359**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 43 | 194410 | | 1 | Pressure relief valve, cpl | |
| | 197901 | | 1 | .Gauge | |
| 44 | 330333 | | 2 | Copper washer | D |
| 45 | 195816 | | 2 | Check valve | |
| 46 | 195812 | | 2 | Straight male stud | |
| 47 | 194803 | | 1 | Brake pipe | |
| 48 | 745072 | | 2 | Tee-connector | |
| 49 | 191937 | | 1 | Brake tube | |
| 50 | 191934 | | 1 | Brake tube | |
| 51 | 191935 | | 1 | Brake tube | |
| 52 | 191936 | | 1 | Brake tube | |
| 53 | 258015 | | 4 | Clamp | |
| 54 | 194802 | | 1 | Brake line | |
| 55 | 195838 | J | | Pipe, nylon | D |
| 56 | 195838 | K | | Pipe, nylon | D |
| 57 | 195814 | L | | Pipe, nylon | D |
| 58 | 926625 | | 10 | Sleeve | |
| 59 | 195828 | | 1 | Tee-connector | |
| 60 | 195814 | M | | Pipe, nylon | D |
| 61 | 195811 | | 2 | Straight male stud | |
| 62 | 269137 | | 2 | Drain valve | D |
| 63 | 162019 | | 2 | Seal ring | D |
| 64 | 232052 | | 2 | Plug | D |
| 65 | 384614 | S | 2 | Air tank From 22620355 | |
| 66 | 195915 | | 2 | Male stud elbow | |
| 67 | 195833 | | 4 | Sleeve insert | |
| 68 | 256485 | | 2 | Adapter | |
| 69 | 904659 | | 2 | Elbow 90 | |
| 70 | 195839 | D | | Pipe, nylon | |
| 71 | 195839 | P | | Pipe, nylon | |
| 72 | 195839 | N | | Pipe, nylon | |
| 73 | 194371 | | 1 | Bracket | |
| 74 | 194372 | | 2 | Stud | |
| 75 | 904230 | | 22 | Washer 10,5x22x2 | |
| 76 | 570006 | | 14 | Nut M10 | |
| 77 | 202028 | | | Edge trim | |
| 78 | 194366 | | 2 | Clamp | |
| 79 | 500030 | | 8 | Screw M10-1,5x35H 8,8 | |
| 80 | 232143 | | 6 | Plug | |
| 81 | 330330 | | 6 | Washer | |
| 82 | 195814 | O | | Pipe, nylon | D |
| 83 | 195814 | L | | Pipe, nylon | D |
| 84 | 194401 | | 2 | Brake master cylinder | |

D) L=880 mm
J) L=4000 mm
K) L=3600 mm
L) L=900 mm
M) L=100 mm
N) L=650 mm
O) L=1500 mm
P) L=850 mm
S) Replaces earlier 194237

**Brake circuit up to SN 22620359**

**16301-1**

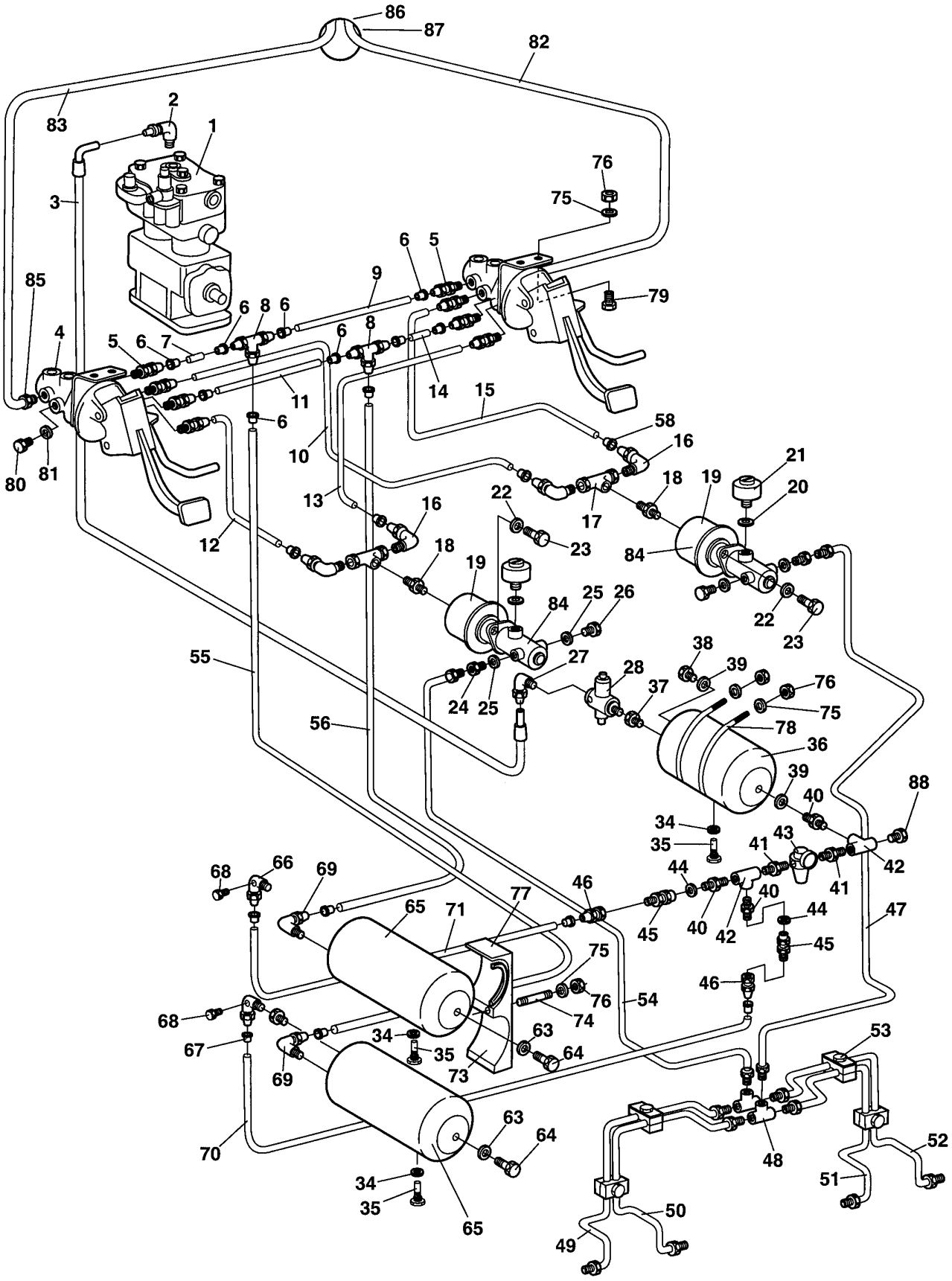


**Brake circuit up to SN 22620359**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 85 | 195932 | | 2 | Male stud elbow | |
| 86 | 904627 | | 2 | Nut M6 | |
| 87 | 230520 | | 2 | Locking sleeve R6 | |
| 88 | 192343 | | 1 | Plug | |

**Brake circuit from SN 22620360**

**17548-1**



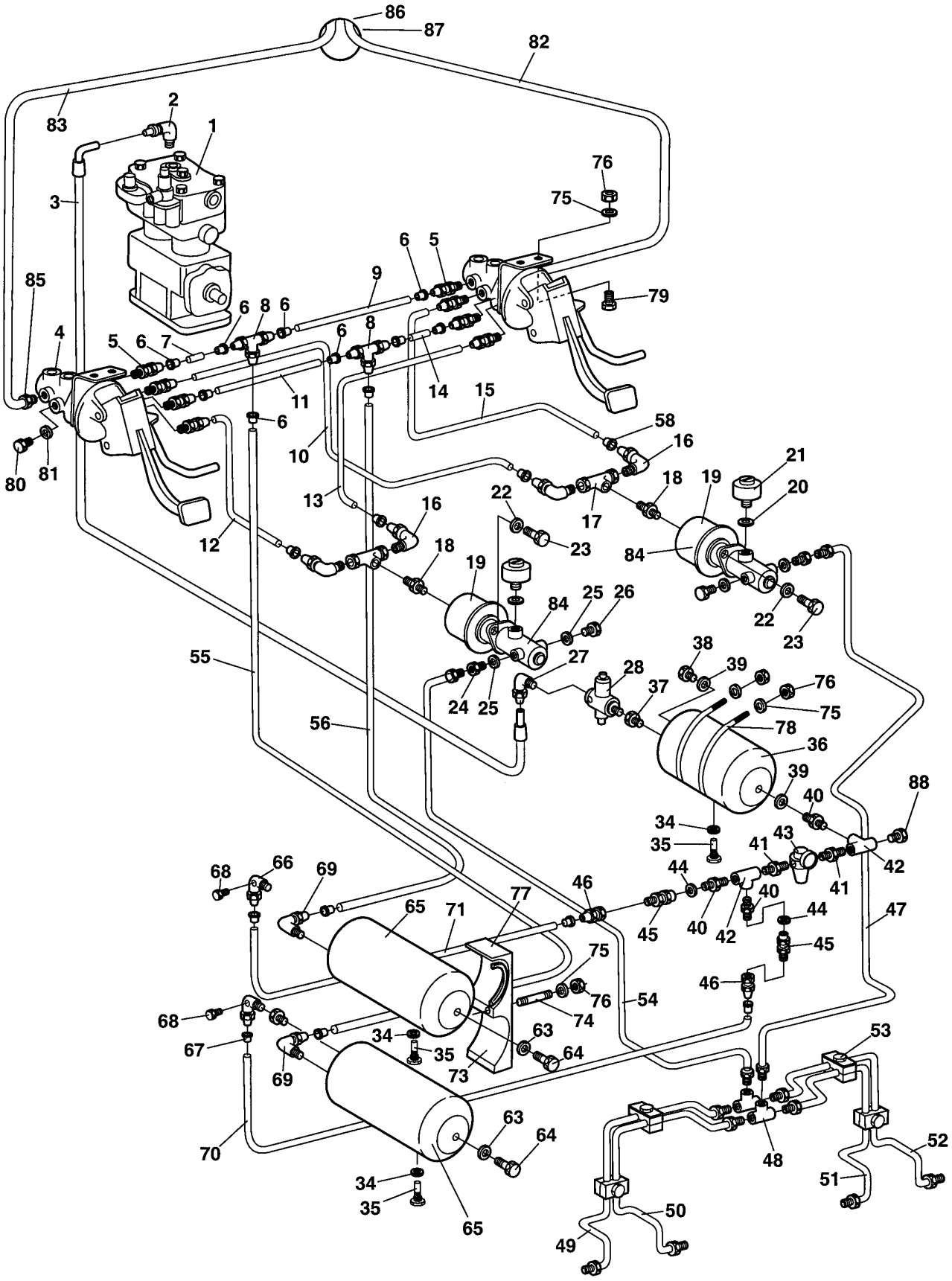
**Brake circuit from SN 22620360**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | | Compressor, see another assembly | |
| 2 | 904659 | | 1 | Elbow 90 | |
| | 938161 | | 1 | .Nut with sealing cone | |
| 3 | 196586 | Q | 1 | Hose From 22620313 | |
| 4 | 195778 | | 2 | Brake pedal | |
| 5 | 904657 | | 8 | Straight connector | |
| 6 | 195834 | | 20 | Sleeve insert | |
| 7 | 195838 | A | | Pipe, nylon | D |
| 8 | 904660 | | 2 | Tee-connector | |
| 9 | 195838 | B | | Pipe, nylon | D |
| 10 | 195838 | C | | Pipe, nylon | D |
| 11 | 195838 | D | | Pipe, nylon | D |
| 12 | 195838 | E | | Pipe, nylon | D |
| 13 | 195838 | C | | Pipe, nylon | D |
| 14 | 195838 | F | | Pipe, nylon | D |
| 15 | 195838 | E | | Pipe, nylon | D |
| 16 | 904658 | | 4 | Elbow 90 | |
| 17 | 195831 | | 2 | Check valve double | |
| 18 | 195832 | | 2 | Connector | |
| 19 | 194402 | | 2 | Brake chamber | |
| 20 | 330333 | | 2 | Copper washer | D |
| 21 | 415277 | | 2 | Oil tank | |
| 22 | 904229 | | 6 | Washer 8,4x16x1,5 | |
| 23 | 500022 | | 6 | Screw M8-1,25x30 8,8 | |
| 24 | 194407 | | 2 | Connection | |
| 25 | 330328 | | 4 | Washer 10x14x1 | |
| 26 | 194408 | | 2 | Plug | |
| 27 | 904659 | | 1 | Elbow 90 | |
| 28 | 384452 | | 1 | Unloader valve | |
| 34 | 162019 | | 3 | Seal ring | D |
| 35 | 384453 | | 3 | Drain valve | |
| 36 | 384615 | R | 1 | Air tank From 22620355 | |
| 37 | 195931 | | 1 | Connector | |
| 38 | 232052 | | 1 | Plug | D |
| 39 | 162019 | | 2 | Seal ring | D |
| 40 | 240264 | | 3 | Adapter | |
| 41 | 813722 | | 2 | Nipple | |
| 42 | 814262 | | 2 | Tee-connector | |
| 43 | 194410 | | 1 | Pressure relief valve, cpl | |
| | 197901 | | 1 | .Gauge | |
| 44 | 330333 | | 2 | Copper washer | D |
| 45 | 195816 | | 2 | Check valve | |
| 46 | 195812 | | 2 | Straight male stud | |
| 47 | 194803 | | 1 | Brake pipe | |
| 48 | 745072 | | 2 | Tee-connector | |
| 49 | 191937 | | 1 | Brake tube | |
| 50 | 191934 | | 1 | Brake tube | |

A) L=200 mm
B) L=940 mm
C) L=1350 mm
D) L=880 mm
E) L=800 mm
F) L=250 mm
Q) Replaces earlier used 195823
R) Replaces earlier 902139

**Brake circuit from SN 22620360**

**17548-1**



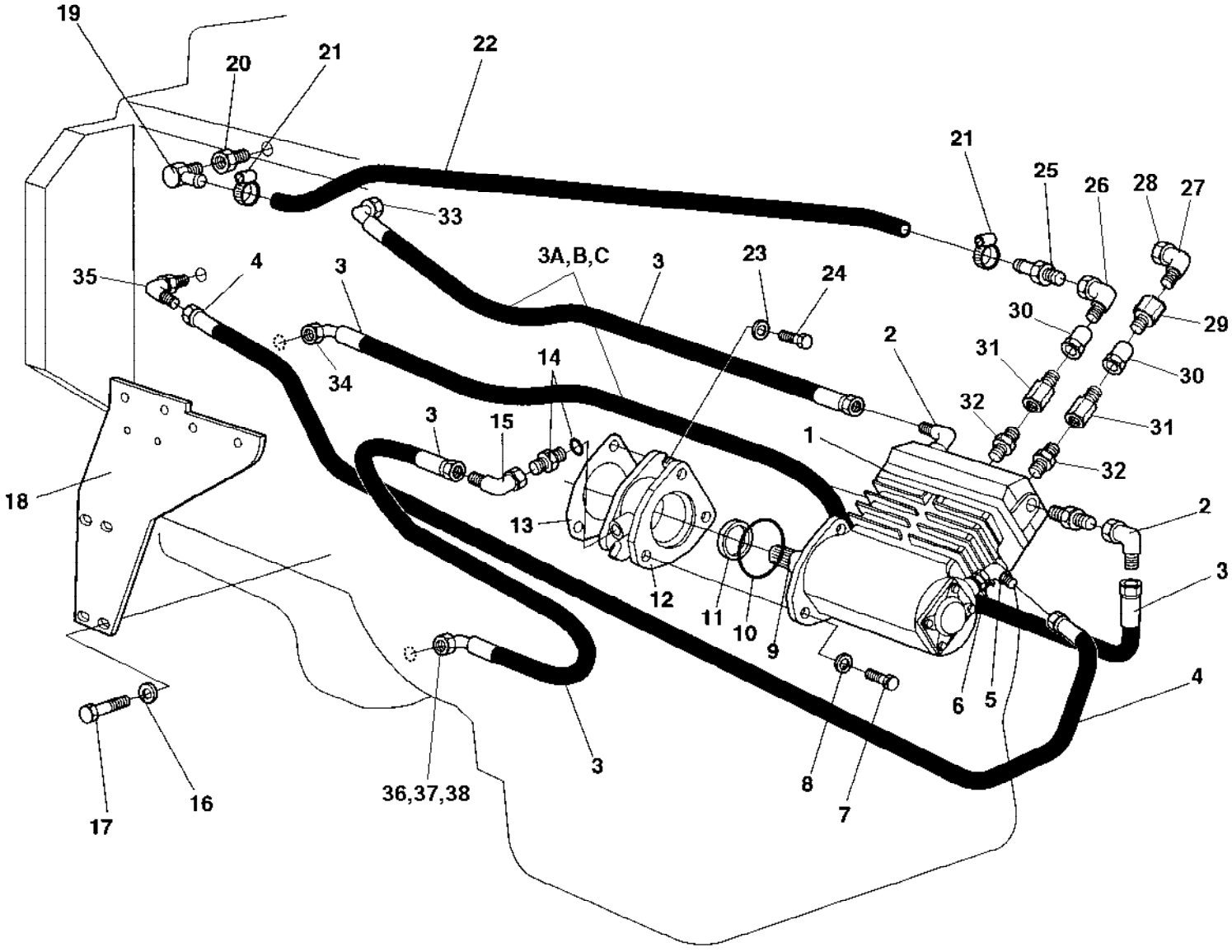
**Brake circuit from SN 22620360**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 51 | 191935 | | 1 | Brake tube | |
| 52 | 191936 | | 1 | Brake tube | |
| 53 | 258015 | | 4 | Clamp | |
| 54 | 194802 | | 1 | Brake line | |
| 55 | 195838 | J | | Pipe, nylon | D |
| 56 | 195838 | K | | Pipe, nylon | D |
| 58 | 926625 | | 4 | Sleeve | |
| 63 | 162019 | | 2 | Seal ring | D |
| 64 | 232052 | | 2 | Plug | D |
| 65 | 384614 | S | 2 | Air tank From 22620355 | |
| 66 | 195915 | | 2 | Male stud elbow | |
| 67 | 195833 | | 4 | Sleeve insert | |
| 68 | 256485 | | 2 | Adapter | |
| 69 | 904659 | | 2 | Elbow 90 | |
| 70 | 195839 | D | | Pipe, nylon | |
| 71 | 195839 | P | | Pipe, nylon | |
| 73 | 194371 | | 1 | Bracket | |
| 74 | 194372 | | 2 | Stud | |
| 75 | 904230 | | 22 | Washer 10,5x22x2 | |
| 76 | 570006 | | 14 | Nut M10 | |
| 77 | 202028 | | | Edge trim | |
| 78 | 194366 | | 2 | Clamp | |
| 79 | 500030 | | 8 | Screw M10-1,5x35H 8,8 | |
| 80 | 232143 | | 6 | Plug | |
| 81 | 330330 | | 6 | Washer | |
| 82 | 195814 | O | | Pipe, nylon | D |
| 83 | 195814 | L | | Pipe, nylon | D |
| 84 | 194401 | | 2 | Brake master cylinder | |
| 85 | 195932 | | 2 | Male stud elbow | |
| 86 | 904627 | | 2 | Nut M6 | |
| 87 | 230520 | | 2 | Locking sleeve R6 | |
| 88 | 192343 | | 1 | Plug | |

D) L=880 mm
J) L=4000 mm
K) L=3600 mm
L) L=900 mm
O) L=1500 mm
P) L=850 mm
S) Replaces earlier 194237

**Compressor assembly**

**16767-1**



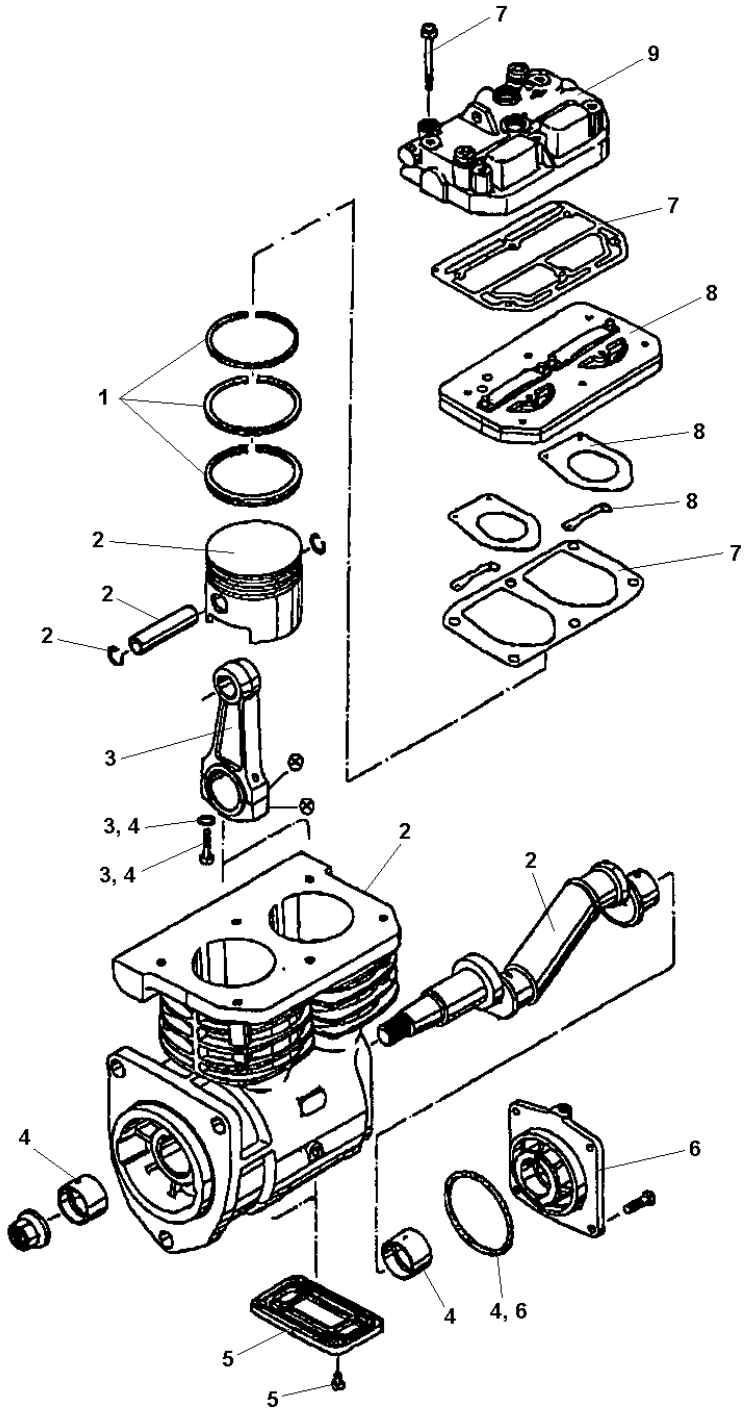
## Compressor assembly

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 380253 | | 1 | Compressor Knorr-Bremse LP4850 Up to 22620318 ( Page 70 ) | |
| | 380475 | | 1 | Compressor Knorr-Bremse LP4850 From 22620319 ( Page 72 ) | |
| 2 | 928908 | | 2 | Adapter | |
| 3 | 482466 | B | 3 | Hydraulic hose | |
| 3-A | 921161 | | 2 | Clamp | |
| 3-B | 500048 | | 2 | Screw M10-1,5x20 8,8 | |
| 3-C | 904557 | | 2 | Washer 10,5x22x4 | |
| 4 | 281628 | | 1 | Hydraulic hose | |
| 5 | 334196 | | 1 | Elbow 90 | |
| 6 | 900176 | | 1 | Adapter | |
| 7 | 500123 | | 3 | Screw M16x35 | |
| 8 | 904232 | | 3 | Washer 17x30x3 | |
| 9 | 380239 | | 1 | Shaft | |
| 10 | 160092 | | 1 | O-ring | |
| 11 | 163105 | | 1 | Lip-type oil seal | |
| 12 | 380242 | | 1 | Flange | |
| 13 | 191623 | | 1 | Gasket | |
| 14 | 234659 | | 1 | Straight o-ring connector | |
| 15 | 334197 | | 1 | Elbow 90 | |
| 16 | 904213 | | 8 | Washer 13x30x4 | |
| 17 | 500037 | | 8 | Screw M12-1,75x35 8,8 | |
| 18 | 380406 | | 2 | Support | |
| 19 | 928081 | | 1 | Hose connector | |
| 20 | 813454 | | 1 | Nipple | |
| 21 | 240297 | C | 2 | Hose clamp | |
| | 313004 | | 2 | Hose clamp | |
| 22 | 246072 | A | 1 | Hose | |
| 23 | 904703 | | 2 | Washer 13x24x4 | |
| 24 | 502058 | | 2 | Screw 1/2 UNC | |
| 25 | 192914 | | 1 | Hose connector | |
| 26 | 249273 | D | 1 | Elbow 90 | |
| | 234365 | | 1 | Elbow 90 | |
| 27 | 195777 | E | 1 | Elbow 90 | |
| | 904659 | | 1 | Elbow 90 | |
| 28 | 938161 | | 1 | .Nut with sealing cone | |
| 29 | 195842 | | 1 | Reducing | |
| 30 | 904688 | | 2 | Connector | |
| 31 | 234667 | | 2 | Reducer | |
| 32 | 902126 | | 2 | Adapter | |
| 33 | 813445 | | 1 | Elbow 45 | |
| 34 | 334117 | | 1 | Adapter | |
| 35 | 234341 | | 1 | Elbow 45 | |
| 36 | 813435 | | 1 | Adapter | |
| 37 | 330333 | | 1 | Copper washer | D |
| 38 | 234729 | | 1 | Reducing nipple | |

A) L=1250 mm
B) Two of these hoses needs the clamp, screw and washer, item 3A
B and C
C) Replaced by 313004
D) Replaced by 234365
E) Replaced by 904659

**380253 Compressor Knorr-Bremse LP4850**

**17469**



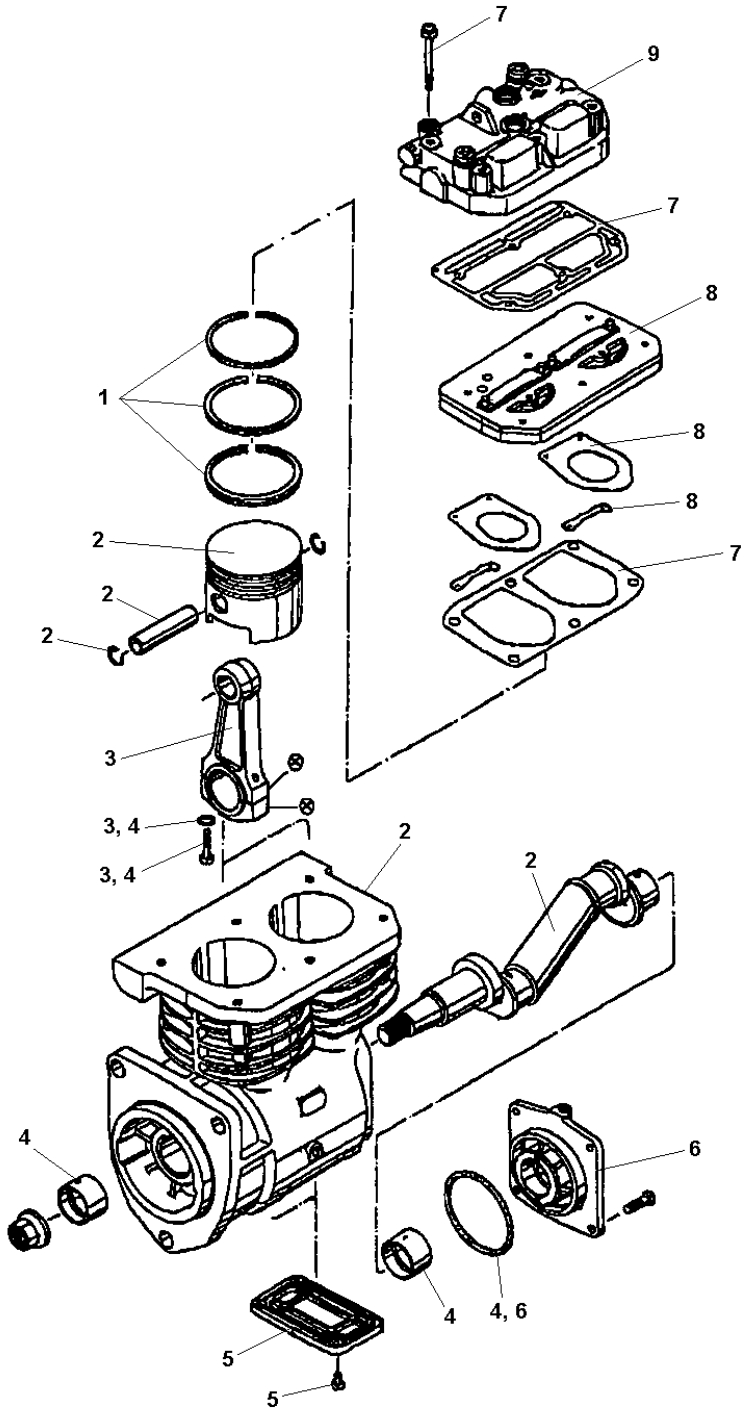
## 380253 Compressor Knorr-Bremse LP4850

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938325 | | 2 | Piston ring kit | |
| 2 | | | | Not Sold Separately | |
| 3 | 938756 | | 2 | Connecting rod | |
| | | A | 4 | .Washer | |
| | | A | 4 | .Screw | |
| 4 | 938326 | | 1 | Bearing bushing kit | |
| | | A | 2 | .Bearing bushing | |
| | | A | 1 | .O-ring | |
| | | A | 4 | .Washer | |
| | | A | 4 | .Screw | |
| 5 | 938757 | | 2 | Cover, crankcase | |
| | | A | 2 | .Plug | |
| 6 | 938759 | | 1 | Bearing cover | |
| | | A | 1 | .O-ring | |
| 7 | 938324 | | 1 | Repair kit | |
| | | A | 1 | .Cylinder head gasket | |
| | | A | 1 | .Cyl. head cover gasket | |
| | | A | 6 | .Screw | |
| 8 | 938327 | | 1 | Disc valve kit | |
| | | A | 1 | .Disc valve | |
| | | A | 2 | .Gasket | |
| | | A | 2 | .Clip | |
| 9 | 938758 | | 1 | Cylinder head cover | |

A) Not sold separately

**380475 Compressor Knorr-Bremse LP4850**

**17469**



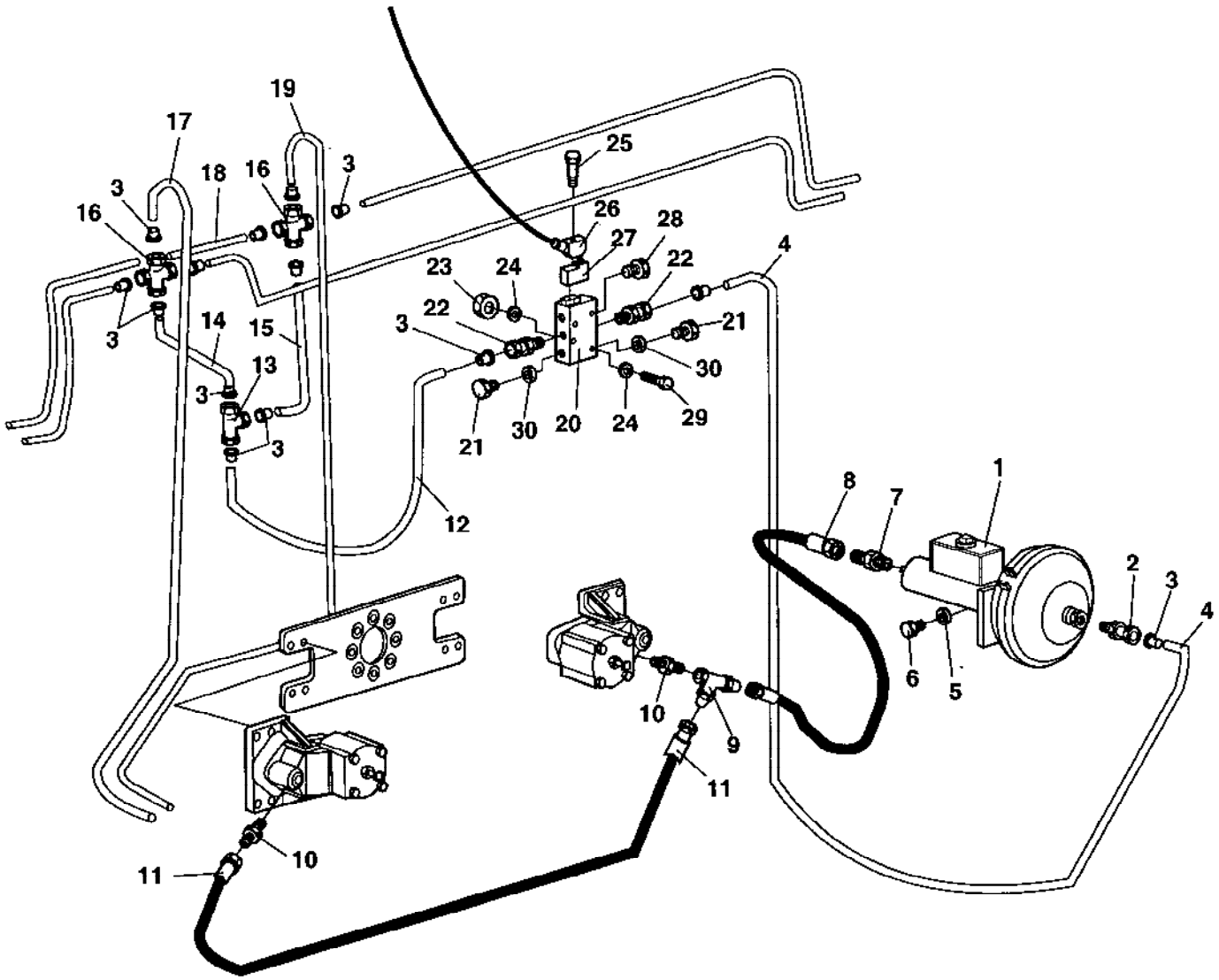
## 380475 Compressor Knorr-Bremse LP4850

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938325 | | 2 | Piston ring kit | |
| 2 | | | | Not Sold Separately | |
| 3 | 938756 | | 2 | Connecting rod | |
| | | A | 4 | .Washer | |
| | | A | 4 | .Screw | |
| 4 | 938326 | | 1 | Bearing bushing kit | |
| | | A | 2 | .Bearing bushing | |
| | | A | 1 | .O-ring | |
| | | A | 4 | .Washer | |
| | | A | 4 | .Screw | |
| 5 | 938757 | | 2 | Cover, crankcase | |
| | | A | 2 | .Plug | |
| 6 | 938759 | | 1 | Bearing cover | |
| | | A | 1 | .O-ring | |
| 7 | 938324 | | 1 | Repair kit | |
| | | A | 1 | .Cylinder head gasket | |
| | | A | 1 | .Cyl. head cover gasket | |
| | | A | 6 | .Screw | |
| 8 | 938327 | | 1 | Disc valve kit | |
| | | A | 1 | .Disc valve | |
| | | A | 2 | .Gasket | |
| | | A | 2 | .Clip | |
| 9 | 938758 | | 1 | Cylinder head cover | |

A) Not sold separately

**Parking brake circuit**

**17745**



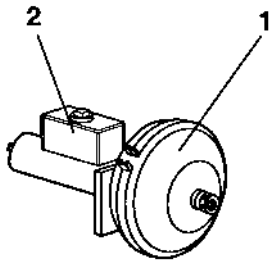
## Parking brake circuit

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 384571 | | 1 | Brake chamber ( Page 76 ) | |
| 2 | 791154 | | 1 | Adapter | |
| 3 | 195834 | | 8 | Sleeve insert | |
| 4 | 195838 | A | 1 | Pipe, nylon | D |
| 5 | 904229 | | 4 | Washer 8,4x16x1,5 | |
| 6 | 500021 | | 4 | Screw M8-1,25x25 8,8 | |
| 7 | 900249 | | 1 | Straight connector | |
| 8 | 482999 | | 1 | Hydraulic hose | |
| 9 | 334556 | | 1 | Tee-connector | |
| 10 | 334143 | | 2 | Straight connector | |
| 11 | 482023 | | 1 | Hydraulic hose | |
| 12 | 195838 | B | 1 | Pipe, nylon | D |
| 13 | 904660 | | 1 | Tee-connector | |
| 14 | 195838 | C | 1 | Pipe, nylon | D |
| 15 | 195838 | C | 1 | Pipe, nylon | D |
| 16 | 791155 | | 2 | Adapter | |
| 17 | | D | 1 | Missing description | |
| 18 | | D | 1 | Missing description | |
| 19 | | D | 1 | Missing description | |
| 20 | 384576 | | 1 | Valve | |
| 21 | 332038 | | 2 | Plug | |
| 22 | 791153 | | 2 | Adapter | |
| 23 | 570003 | | 4 | Nut M5 | |
| 24 | 904281 | | 8 | Washer 5,3x10x1 | |
| 25 | 903152 | | 2 | Screw | |
| 26 | 384575 | | 1 | Cable harness Up to 22620506 | |
| | 387775 | | 1 | Cable harness From 22620507 | |
| 27 | 384577 | | 1 | Magnetic valve | |
| 28 | 791317 | | 1 | Filter plug | |
| 29 | 500080 | | 4 | Screw | |
| 30 | 162004 | | 2 | Sealing | |

A) L=2,6 m
B) L=1 m
C) L=0,25 m
D) Existing tubes

**384571 Brake chamber**

**17769**

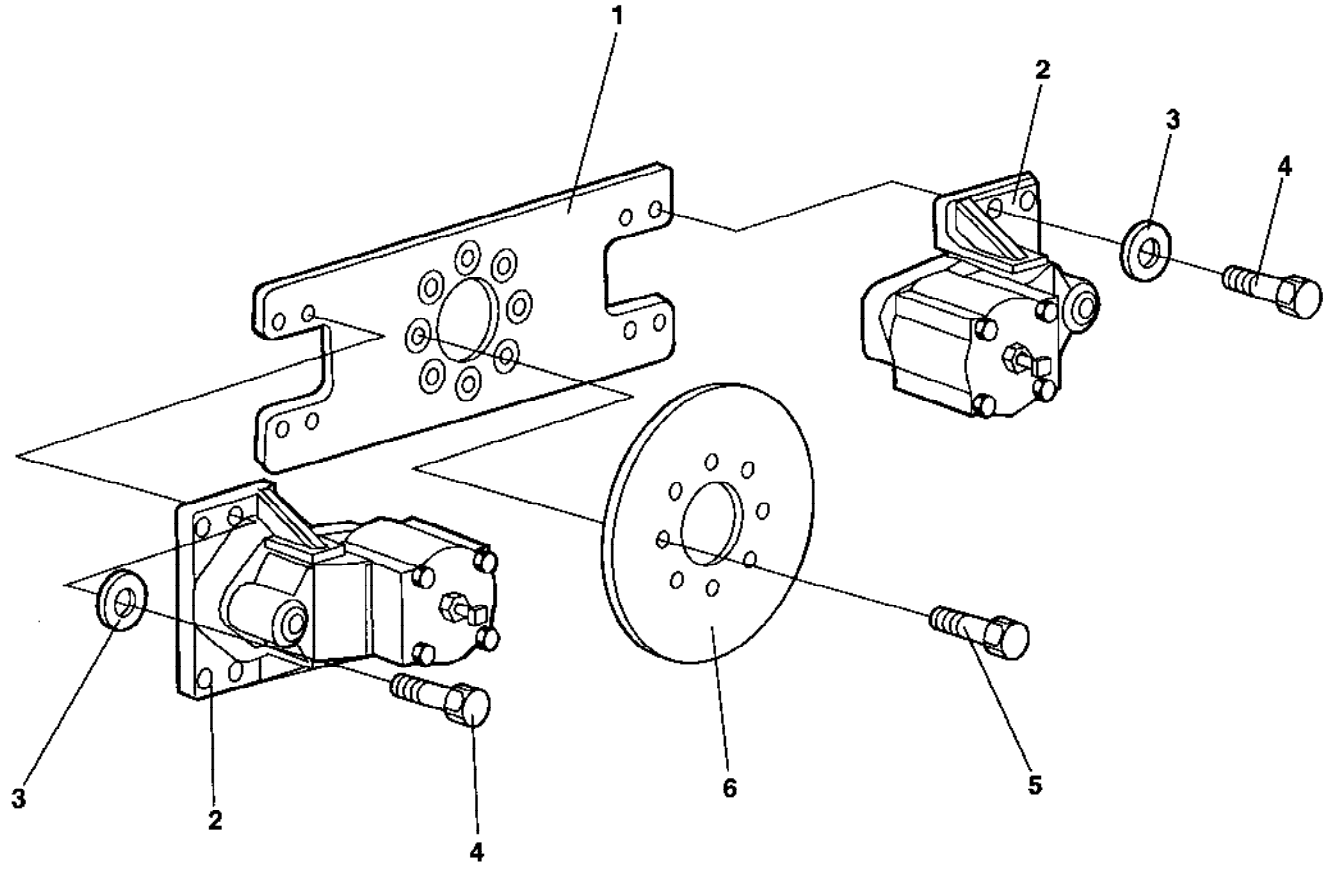


## 384571 Brake chamber

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 939496 | | 1 | Diaphragm | D |
| 2 | 939497 | | 1 | Repair kit | D |

**Parking brake**

**17765**

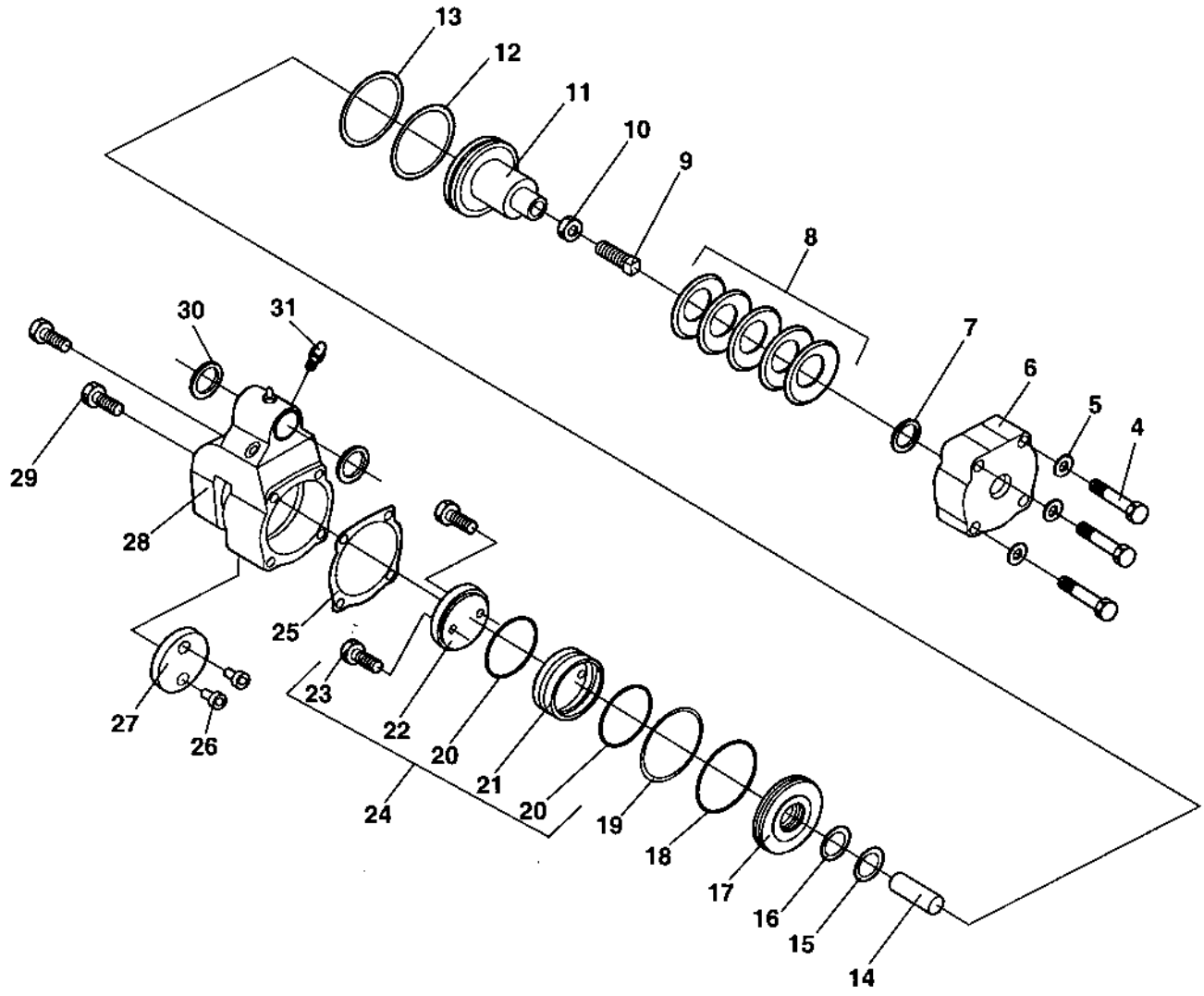


## Parking brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 384573 | | 1 | Bracket | |
| 2 | 384572 | | 2 | Caliper disc brake ( Page 80 ) | |
| 3 | 904231 | | 8 | Washer 13x24x2 | |
| 4 | 947688 | | 8 | Screw | |
| 5 | 938355 | | 6 | Screw | |
| 6 | 938108 | | 1 | Disc | |

**384572 Caliper disc brake**

**17766**



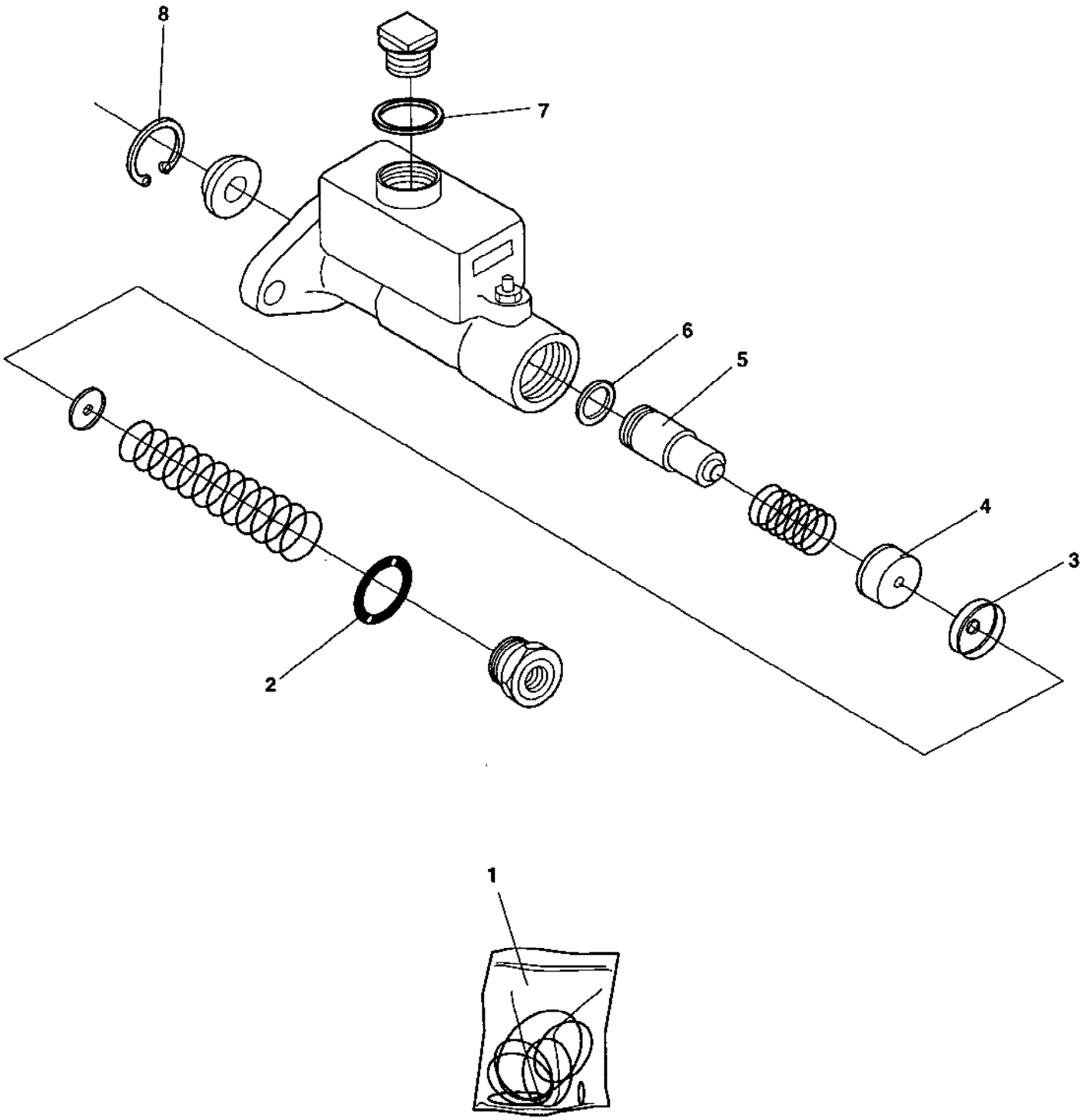
## 384572 Caliper disc brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 939491 | | 1 | Lining kit | D |
| 2 | 939492 | | 1 | Seal kit | D |
| 3 | 939493 | | 1 | Repair kit | D |
| 7 | | B,C | 1 | Seal | D |
| 8 | | C | 1 | Spring set | D |
| 12 | | B,C | 1 | Back-up ring | D |
| 13 | | B,C | 1 | O-ring | D |
| 15 | | B,C | 1 | O-ring | D |
| 16 | | B,C | 1 | Back-up ring | D |
| 18 | | B,C | 1 | O-ring | D |
| 19 | | B,C | 1 | Back-up ring | D |
| 20 | | B,C | 2 | O-ring | D |
| 22 | | A,C | 1 | Lining | D |
| 23 | | A,C | 2 | Screw | D |
| 25 | | B,C | 1 | Gasket | D |
| 26 | | A,C | 2 | Bushing | D |
| 27 | | A,C | 1 | Lining | D |
| 29 | | A,C | 2 | Screw | D |
| 30 | | B,C | 2 | Seal | D |
| 31 | | B,C | 1 | Bleeder screw | D |

A) Included in Lining kit
B) Included in Seal Kit
C) Included in Repair kit

**Master cylinder**

**17768**

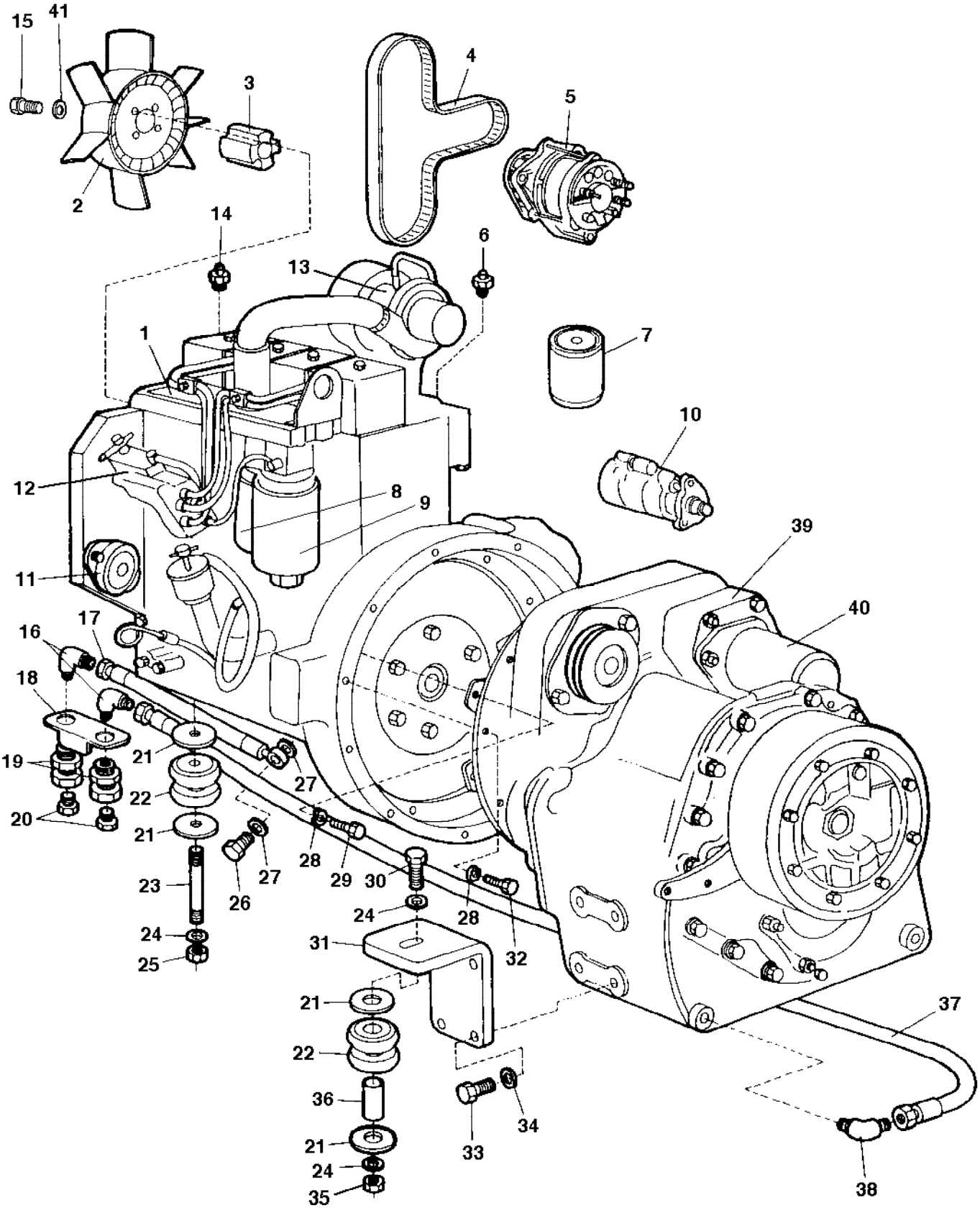


## Master cylinder

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 939497 | | 1 | Repair kit | D |
| 2 | | A | 1 | .Washer | D |
| 3 | | A | 1 | .Cup | D |
| 4 | | A | 1 | .Piston assembly | D |
| 5 | | A | 1 | .Piston | D |
| 6 | | A | 1 | .Cup | D |
| 7 | | A | 1 | .Gasket | D |
| 8 | | A | 1 | .Retaining ring | D |

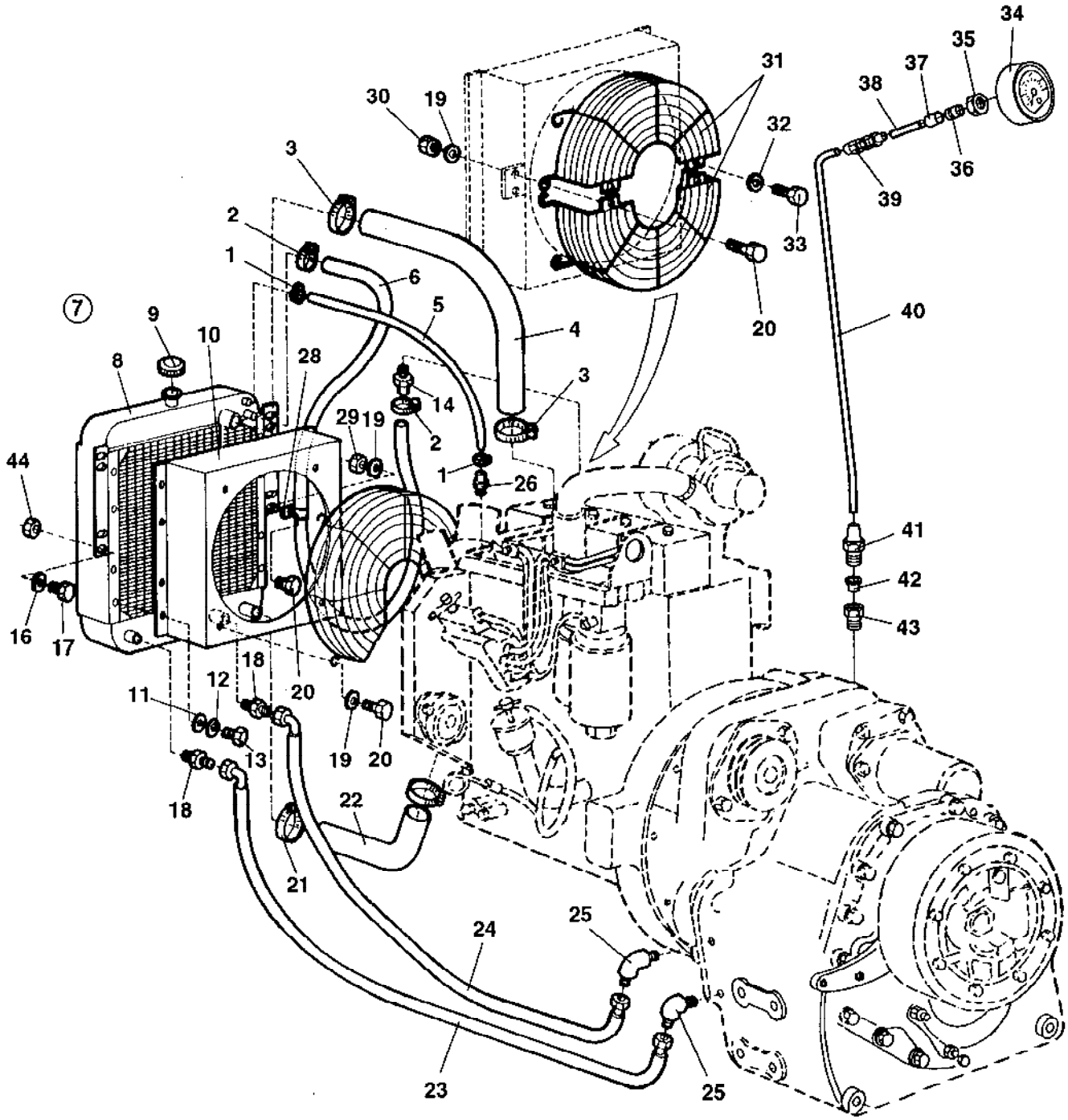
A) Not sold separately

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 10 | | | | Engine Cummins ( Page 86 ) | |
| 20 | | | | Cooling system ( Page 88 ) | |
| 30 | | | | Air cleaner ( Page 90 ) | |
| 40 | | | | Fuel system ( Page 92 ) | |
| 50 | | | | Muffler ( Page 94 ) | |


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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 374541 | C | 1 | Diesel engine Up to 22620499 | |
| | 386353 | | 1 | Diesel engine From 22620500 | |
| | 935758 | A | 1 | .Fuel solenoid | D |
| | 939371 | A | 1 | .Thermostat, cpl | |
| | 903193 | A | 1 | .Water pump, cpl | |
| 2 | 938137 | | 1 | .Fan | |
| 3 | 191996 | | 1 | .Spacer | |
| 4 | 192273 | | 1 | .Belt | D |
| 5 | 901350 | | 1 | .Alternator | C |
| 6 | 935044 | | 1 | .Oil pressure sensor | D |
| 7 | 212373 | | 1 | .Oil filter | A |
| 8 | 900829 | | 1 | .Fuel filter | A |
| 9 | 900827 | B | 1 | .Fuel filter | A |
| 10 | 901448 | | 1 | .Starter | C |
| 11 | 191667 | | 1 | .Hydraulic pump gear | C |
| 12 | 939481 | | 1 | .Injection pump | |
| 13 | 939485 | | 1 | .Turbo, cpl | |
| | 939486 | | 1 | ..Gasket, turbo | |
| | 939487 | | 1 | ..Gasket, oil drain | |
| 14 | 258307 | | 1 | Temperature sensor | D |
| 15 | 500077 | | 4 | Screw | |
| | 902541 | | 1 | Lock fluid Loctite 243, 50 ml | |
| 16 | 813435 | | 2 | Adapter | |
| 17 | 191808 | | 1 | Hose | |
| 18 | 191806 | | 1 | Holder | |
| 19 | 240154 | | 2 | Connector | |
| 20 | 813422 | | 2 | Plug | |
| 21 | 191803 | | 6 | Washer | |
| 22 | 193092 | | 6 | Shock absorber | D |
| 23 | 191805 | | 1 | Stud | |
| 24 | 904558 | | 5 | Washer 17x30x6 | |
| 25 | 571006 | | 1 | Nut UNC 5/8 - 11 | |
| 26 | 267465 | | 1 | Hollow screw | D |
| 27 | 330331 | | 2 | Washer 18,2x23,9x1,5 | |
| 28 | 904230 | | 20 | Washer 10,5x22x2 | |
| 29 | 503027 | | 8 | Screw UNF 3/8-24x45 Up to 22620318 | |
| | 502038 | | 8 | Screw UNC 3/8-16x45 From 22620319 | |
| 30 | 500150 | | 2 | Screw | |
| 31 | 191802 | | 2 | Bracket | |
| 32 | 500030 | | 11 | Screw M10-1,5x35H 8,8 | |
| 33 | 502092 | | 8 | Screw | |
| 34 | 903290 | | 8 | Washer 21x36x6 | |
| 35 | 570008 | | 2 | Nut | |
| 36 | 191799 | | 3 | Pipe | |
| 37 | 191804 | | 1 | Hose | |
| 38 | 334410 | | 1 | Adapter | |
| 39 | 374966 | | 1 | Transmission Up to 22620318 | |
| | 381950 | | 1 | Transmission From 22620319 | |
| 40 | 249993 | | 1 | .Oil filter | A |
| 41 | 904557 | | 4 | Washer 10,5x22x4 | |

A) Not illustrated
B) With water separator
C) Replaced by 386353

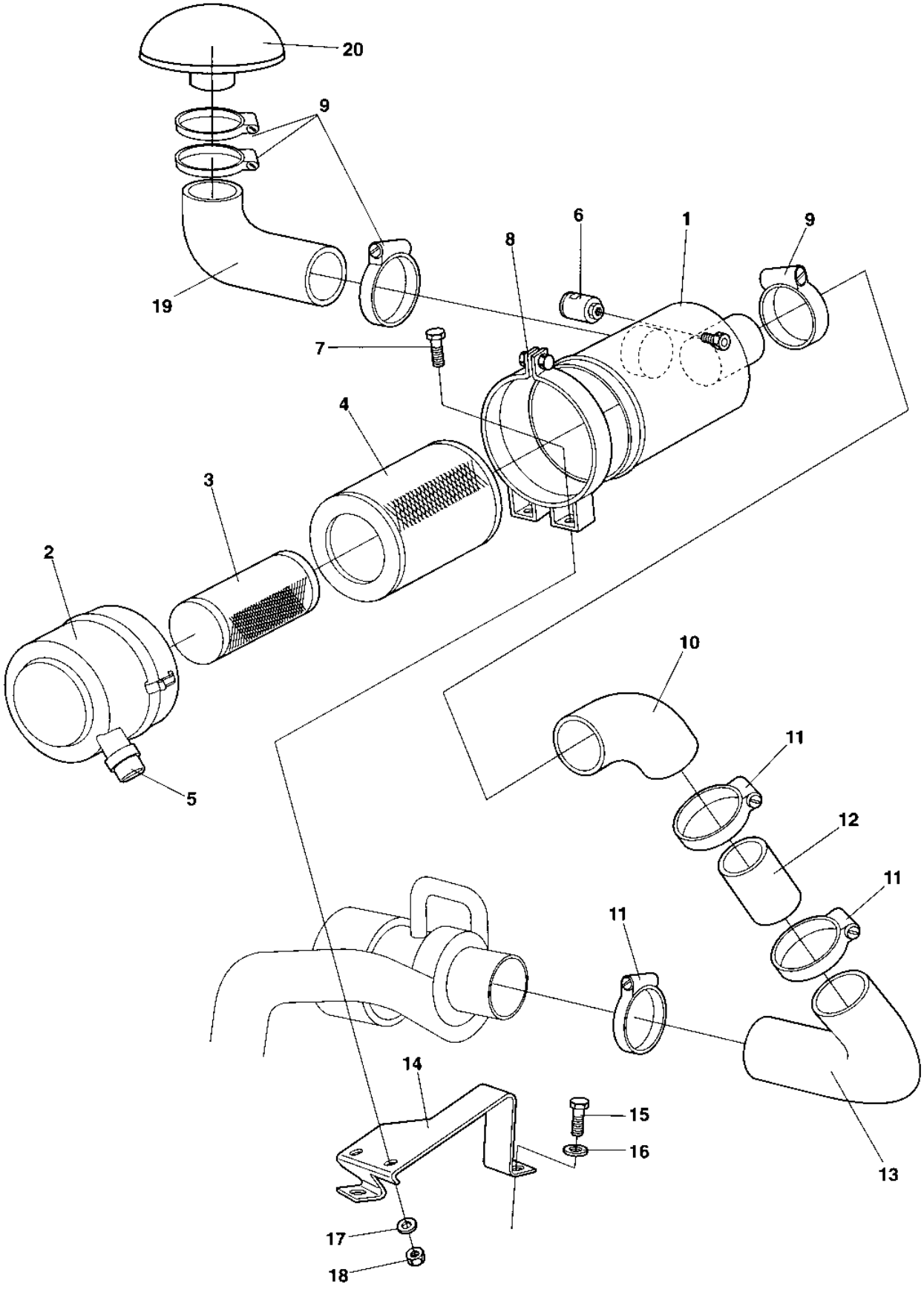

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 313108 | | 2 | Hose clamp | |
| 2 | 313035 | | 2 | Hose clamp | |
| 3 | 313010 | | 2 | Hose clamp | |
| 4 | 374891 | | 1 | Hose | |
| 5 | 246068 | A | 1 | Hose | |
| 6 | 246072 | B | 1 | Hose | |
| 7 | 191792 | | 1 | Radiator, cpl | |
| 8 | 819179201 | | 1 | .Radiator | |
| 9 | 249593 | | 1 | .Filler cap | D |
| 10 | 819179202 | | 1 | .Cooling air cover | |
| 11 | 600005 | | 8 | .Washer | |
| 12 | 604003 | | 8 | .Washer | |
| 13 | 500012 | | 8 | .Screw M6x12 | |
| 14 | 374984 | | 1 | Hose connector | |
| 16 | 603023 | | 12 | Washer M10 | |
| 17 | 500029 | | 6 | Screw M10-1,5x30 8,8 | |
| 18 | 334157 | | 2 | Straight connector | |
| 19 | 615043 | | 9 | Washer 8,4x18x2 | |
| 20 | 500021 | | 9 | Screw M8-1,25x25 8,8 | |
| 21 | 313023 | | 2 | Hose clamp | |
| 22 | 191783 | | 1 | Hose | |
| 23 | 191790 | | 1 | Hose | |
| 24 | 191789 | | 1 | Hose | |
| 25 | 334132 | | 2 | Elbow 45, O-ring | |
| 26 | 242614 | | 1 | Hose connector | |
| 28 | 240908 | | 1 | Clamp | |
| 29 | 570005 | | 1 | Nut M8 | |
| 30 | 570005 | | 4 | Nut M8 | |
| 31 | 193109 | | 2 | Fan guard | |
| 32 | 615042 | | 2 | Conical spring washer | |
| 33 | 500012 | | 2 | Screw M6x12 | |
| 34 | 265909 | | 1 | Manometer | |
| 35 | 904627 | | 1 | Nut M6 | |
| 36 | 230520 | | 1 | Locking sleeve R6 | |
| 37 | 926625 | | 1 | Sleeve | |
| 38 | 195814 | C | 1 | Pipe, nylon | D |
| 39 | 904626 | | 1 | Coupling | |
| 40 | 247154 | D | 1 | Pipe | |
| 41 | 920787 | | 1 | Pipe connection | |
| 42 | 920783 | | 1 | Insert | |
| 43 | 234867 | | 1 | Straight connector | |
| 44 | 570006 | | 6 | Nut M10 | |

A) L=0,6 m
B) L=1,4 m
C) L=0,15 m
D) L=0,65 m

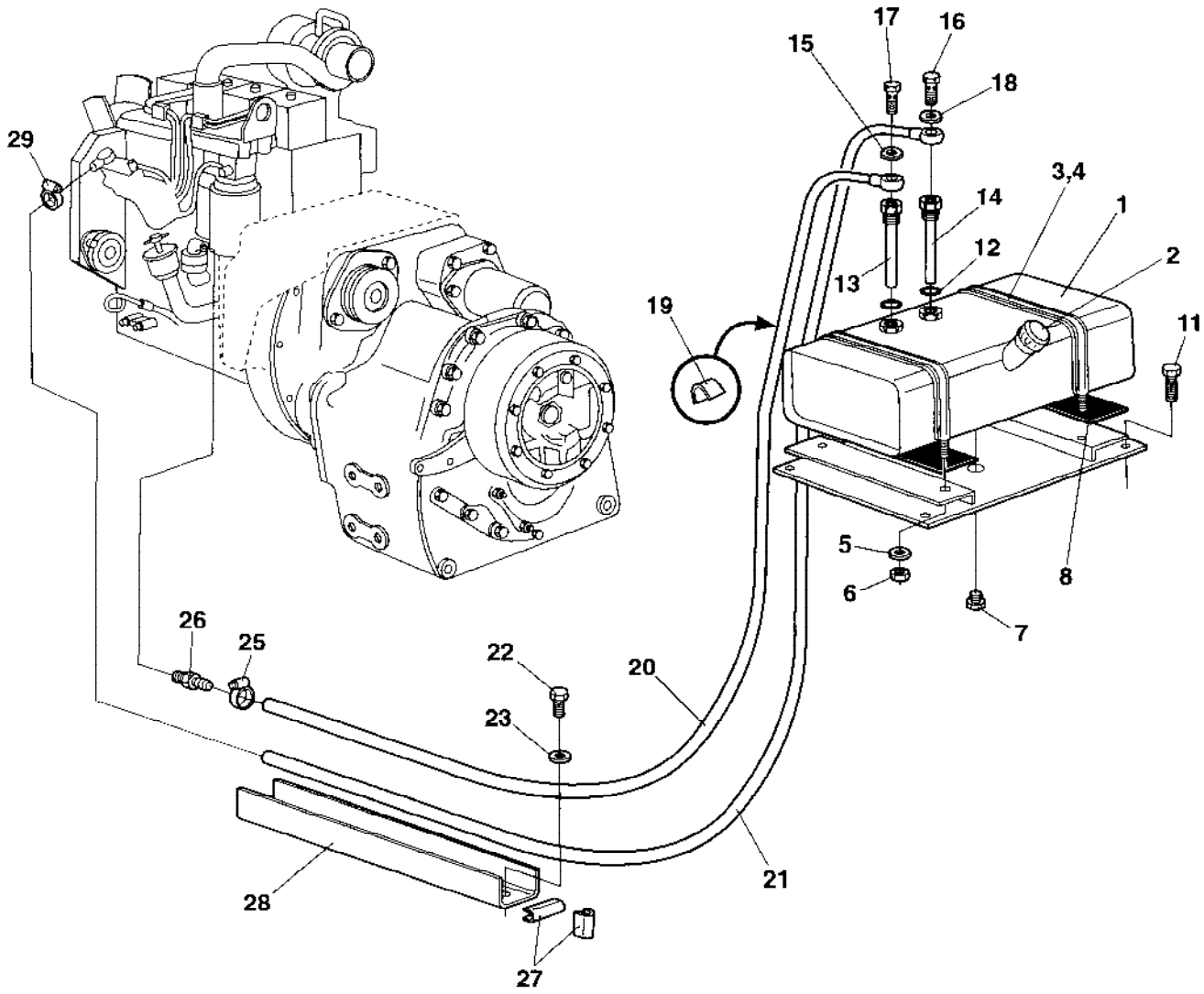
**Air cleaner**

**16358**



## Air cleaner

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 374727 | | 1 | Air filter, cpl | |
| 2 | 375023 | | 1 | .Cover | |
| 3 | 374772 | | 1 | .Safety filter | A |
| 4 | 374771 | | 1 | .Main filter | A |
| 5 | 374905 | | 1 | .Vacuator valve | |
| 6 | | | | See electrical equipment | |
| 7 | 500053 | | 2 | Screw M8-1,25x20 8,8 | |
| 8 | 374745 | | 1 | Bracket | |
| 9 | 313033 | | 2 | Hose clamp | D |
| 10 | 927048 | | 1 | Rubber elbow | D |
| 11 | 313038 | | 3 | Hose clamp | |
| 12 | 191883 | | 1 | Pipe | |
| 13 | 499132 | | 1 | Rubber elbow | D |
| 14 | 380444 | | 1 | Bracket | |
| 15 | 500048 | | 2 | Screw M10-1,5x20 8,8 | |
| 16 | 603023 | | 2 | Washer M10 | |
| 17 | 904229 | | 2 | Washer 8,4x16x1,5 | |
| 18 | 570005 | | 2 | Nut M8 | |
| 19 | 375170 | | 1 | Rubber hose | D |
| 20 | 499343 | | 1 | Rain cap | D |

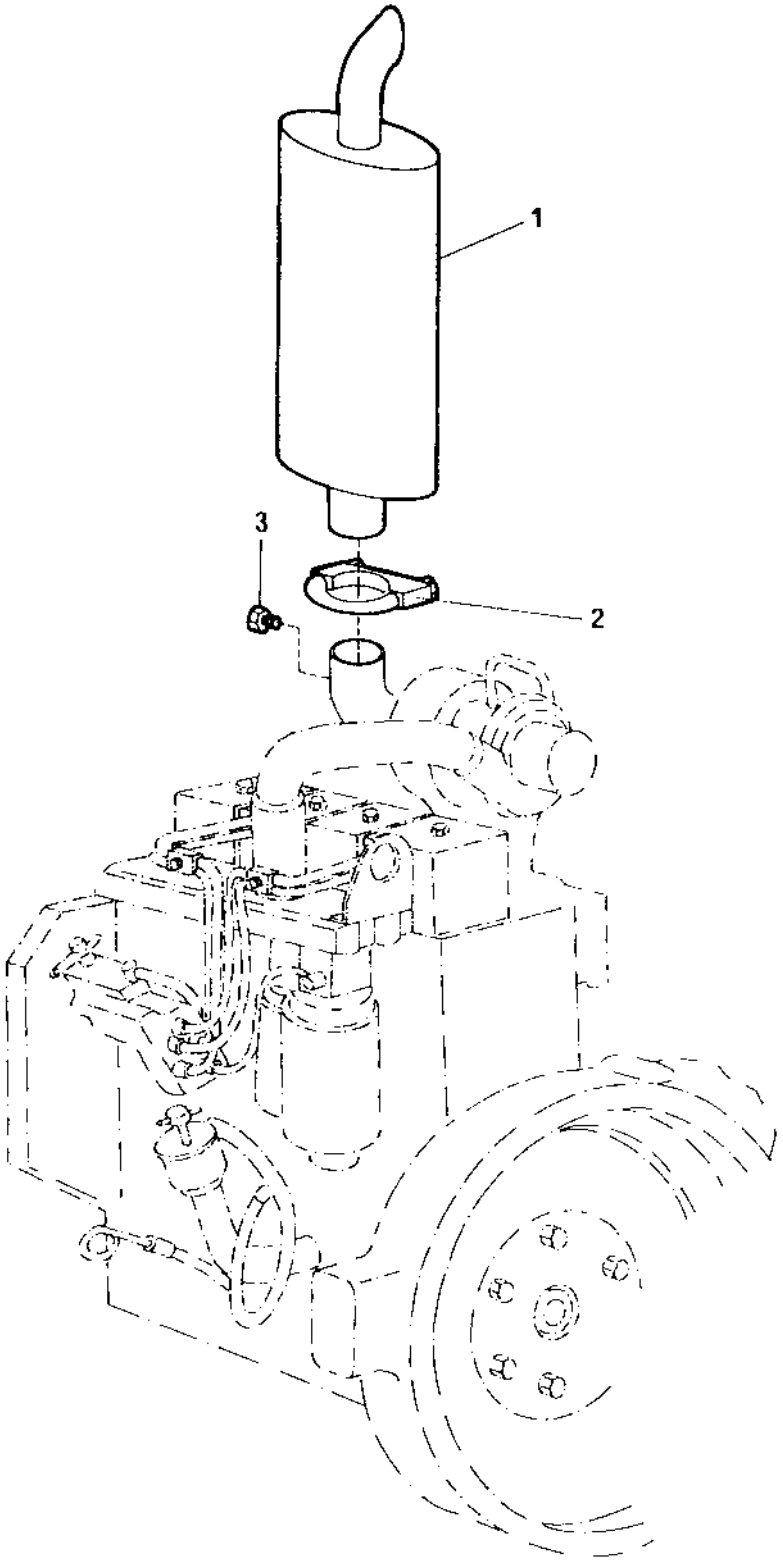

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 376392 | | 1 | Fuel tank | |
| 2 | | | 1 | Cap See Sprinkler system assembly | |
| 3 | 191824 | | 2 | Clamp, cpl | |
| 4 | 297018 | A | | Rubber strip | |
| 5 | 904231 | | 4 | Washer 13x24x2 | |
| 6 | 586019 | | 4 | Lock nut M12 | |
| 7 | 374764 | | 1 | Plug | |
| 8 | 264039 | | 6 | Shim | |
| 11 | 904644 | | 4 | Screw | |
| 12 | 330330 | | 2 | Washer | |
| 13 | 374755 | | 1 | Pipe | |
| 14 | 374754 | | 1 | Pipe | |
| 15 | 747282 | | 2 | Copper washer 14x20x1,5 | |
| 16 | 330171 | | 1 | Hollow screw | |
| 17 | 330171 | | 1 | Hollow screw | |
| 18 | 747282 | | 2 | Copper washer 14x20x1,5 | |
| 19 | 192501 | | 2 | Shim | |
| 20 | 374761 | | 1 | Fuel hose | |
| | 929322 | | 1 | .Fuel strainer | A |
| 21 | 374762 | | 1 | Fuel hose | |
| 22 | 500012 | | 8 | Screw M6x12 | |
| 23 | 904639 | | 8 | Washer 6,7x14x1,5 | |
| 25 | 921161 | | 1 | Clamp | |
| 26 | 334172 | | 1 | Adapter | |
| 27 | 202028 | C | | Edge trim | |
| 28 | 380251 | | 1 | Channel | |
| 29 | 313001 | | 1 | Hose clamp | |
| 30 | 500006 | | 5 | Screw M5x16 | |
| 31 | 192032 | | 1 | Fuel sender | |

A) L=1640 mm
C) L=400 mm

**Muffler**

**17624**



## Muffler

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 385975 | B | 1 | Muffler | |
| 2 | 313112 | | 1 | Clamp | D |
| 3 | 813423 | | 1 | Hexagon plug | |

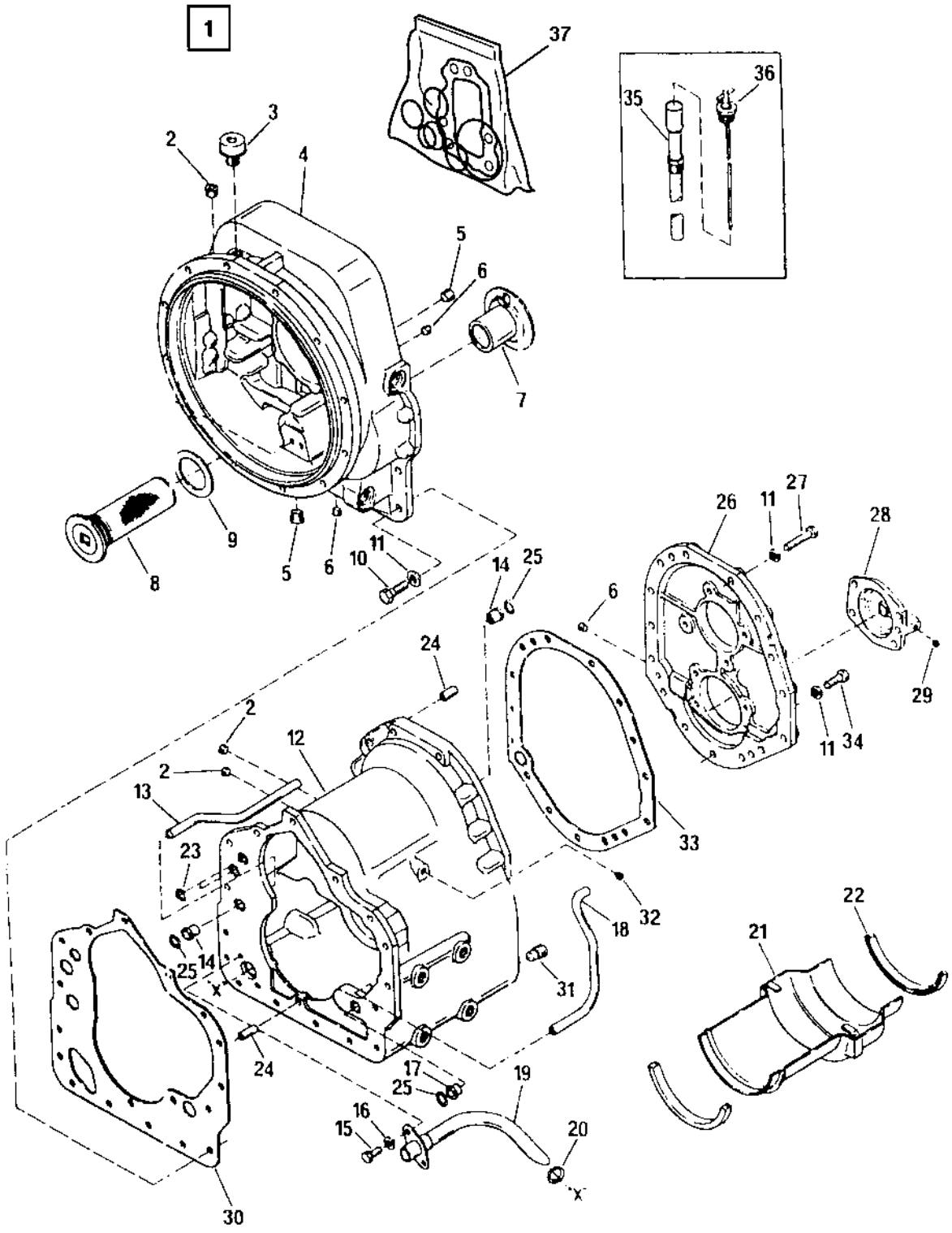
B) Replaces earlier used muffler. Introduced from SN 22620385

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 10 | | | | Transmission Up to SN 22620318 ( Page 98 ) | |
| 20 | | | | Transmission From SN 22620319 ( Page 132 ) | |
| 30 | | | | Differential, Rockwell ( Page 170 ) | |
| 40 | | | | Cardan shaft assembly up to SN 22620342 ( Page 174 ) | |
| 50 | | | | Cardan shaft assembly from SN 22620343 ( Page 176 ) | |
| 60 | | | | Cardan shaft, Albarus ( Page 178 ) | |

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 10 | | | | Converter housing & case ( Page 100 ) | |
| 20 | | | | Turbine shaft, stator support ( Page 102 ) | |
| 30 | | | | Drive plate ( Page 104 ) | |
| 40 | | | | Torque converter ( Page 106 ) | |
| 50 | | | | Auxiliary pump drive ( Page 108 ) | |
| 60 | | | | Charging pump drive ( Page 110 ) | |
| 70 | | | | Reverse & 2nd shaft ( Page 112 ) | |
| 80 | | | | Low speed shaft ( Page 114 ) | |
| 90 | | | | Forward shaft ( Page 116 ) | |
| 100 | | | | Reverse idler ( Page 118 ) | |
| 110 | | | | Output & 3rd clutch ( Page 120 ) | |
| 120 | | | | Chrging pump & oil filter ( Page 122 ) | |
| 130 | | | | Control valve ( Page 124 ) | |
| 160 | | | | Disc brake ( Page 128 ) | |

## Converter housing & case

**16455-1**

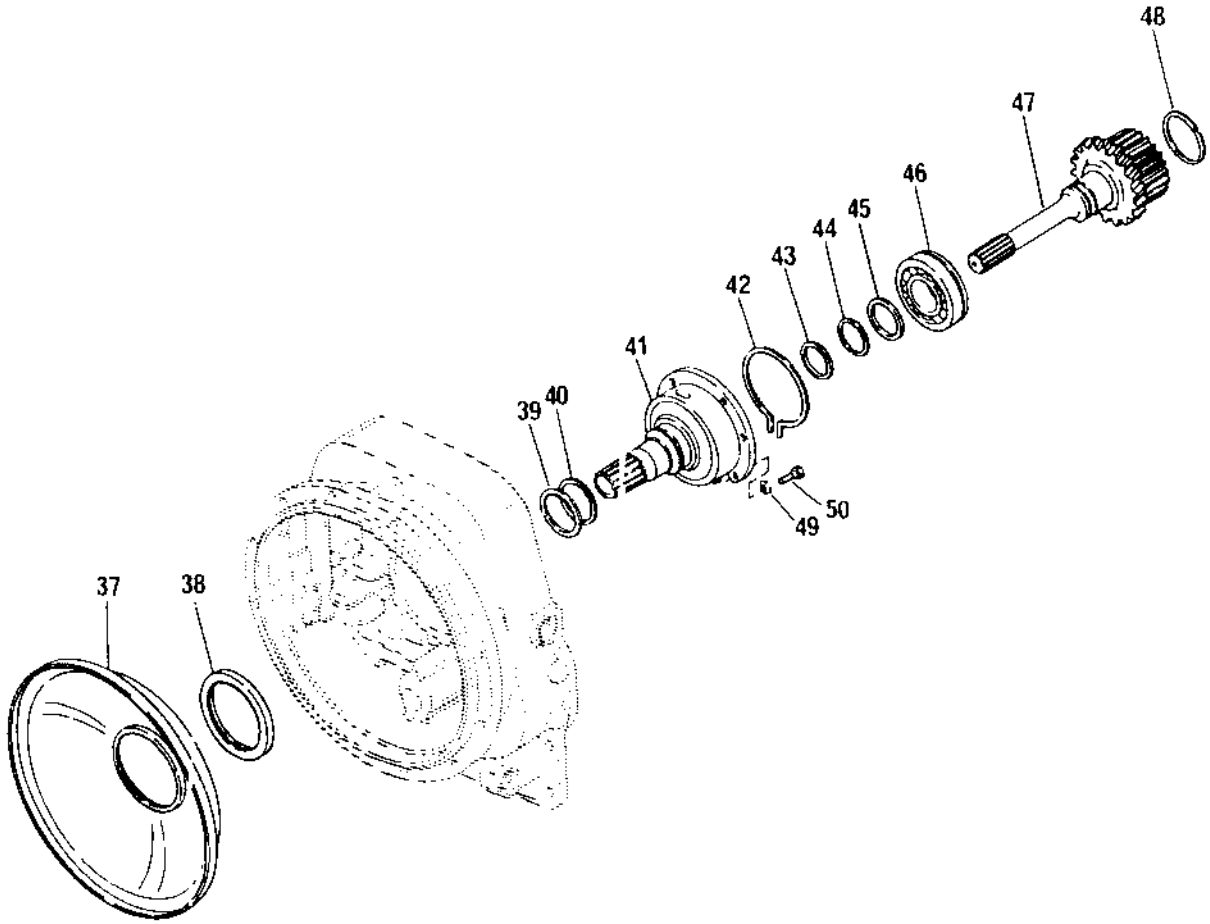


## Converter housing & case

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 374966 | | 1 | Transmission | |
| 2 | | | 1 | .Plug | |
| 3 | 240667 | | 1 | .Breather | |
| 4 | | | 1 | .Housing | |
| 5 | | | 2 | .Plug | |
| 6 | 240675 | | 2 | .Plug | |
| 7 | 240618 | | 1 | .Bushing | |
| 8 | 240594 | | 1 | .Filter | |
| 9 | 193666 | | 1 | .Gasket | |
| 10 | 240563 | | 16 | .Screw | |
| 11 | | | 31 | .Spring washer | |
| 12 | | | 1 | .Housing, cpl | |
| 13 | 240606 | | 1 | ..Tube | |
| 14 | 240583 | | 2 | ..Bushing | |
| 15 | 240560 | | 2 | ..Screw | |
| 16 | 240716 | | 2 | ..Spring washer | |
| 17 | 240582 | | 1 | ..Bushing | |
| 18 | 240656 | | 1 | ..Tube | |
| 19 | 240605 | | 1 | ..Tube | |
| 20 | 193663 | | 1 | ..O-ring | |
| 21 | 240622 | | 1 | ..Oil deflector | |
| 22 | 193662 | | 2 | ..Deflector sealing | |
| 23 | 193664 | | 2 | .O-ring | |
| 24 | 240580 | | 3 | .Pin | |
| 25 | 193659 | | 3 | .O-ring | |
| 26 | 240634 | | 1 | .Rear cover | |
| 27 | | | 9 | .Screw | |
| 28 | 193660 | | 1 | .Cover | |
| 29 | | | 1 | ..Plug | |
| 30 | 193665 | | 1 | .Gasket | |
| 31 | | | 2 | .Magnetic plug | |
| 32 | | | 1 | .Plug | |
| 33 | 193661 | | 1 | .Gasket | |
| 34 | 240563 | | 6 | .Screw | |
| 35 | 240645 | | 1 | .Guide tube | |
| 36 | | | 1 | .Oil dipstick | |
| 37 | 939297 | | 1 | Seal kit Transm. section | |
| | 939298 | | 1 | Seal kit Converter section | |

**Turbine shaft, stator support**

**16456**

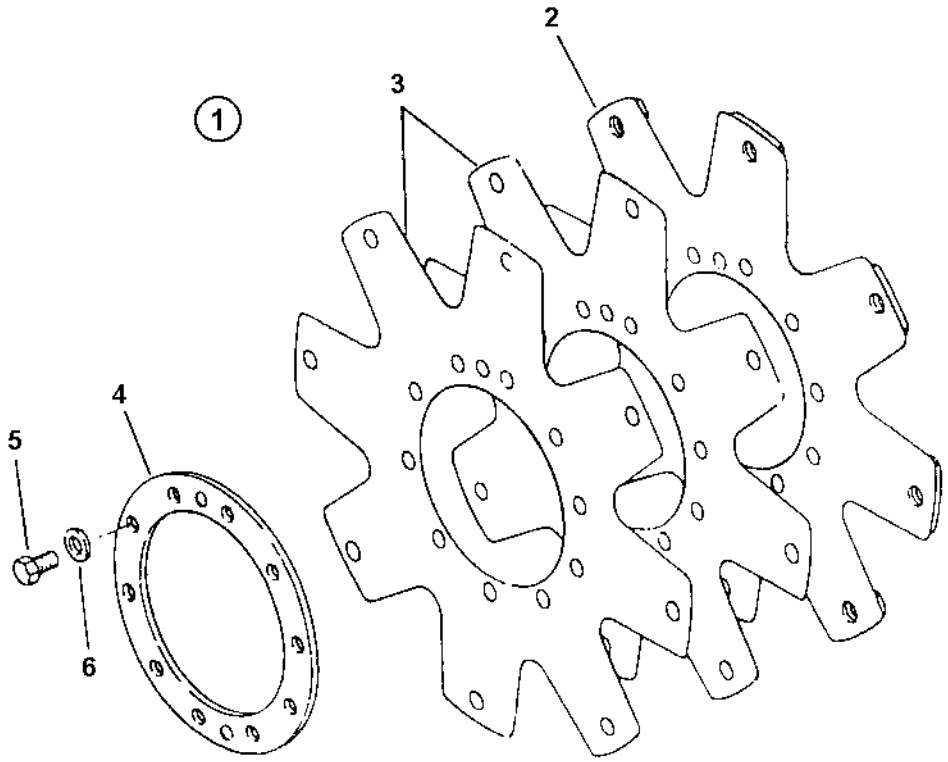


**Turbine shaft, stator support**

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 37 | 240627 | | 1 | Oil deflector | |
| 38 | 193670 | | 1 | .Seal ring | |
| 39 | 193669 | | 1 | Seal ring | |
| 40 | | | 1 | Extension spring | |
| 41 | | | 1 | Gear | |
| 42 | 240615 | | 1 | Snap ring | |
| 43 | 193667 | | 1 | Seal ring | |
| 44 | 240595 | | 1 | Retaining ring | |
| 45 | 240616 | | 1 | Washer | |
| 46 | 240682 | | 1 | Bearing | |
| 47 | 240686 | | 1 | Shaft | |
| 48 | 240688 | | 1 | .Retaining ring | |
| 49 | | | 6 | Spring washer | |
| 50 | 240561 | | 6 | Screw | |

**Drive plate**

**16457-1**

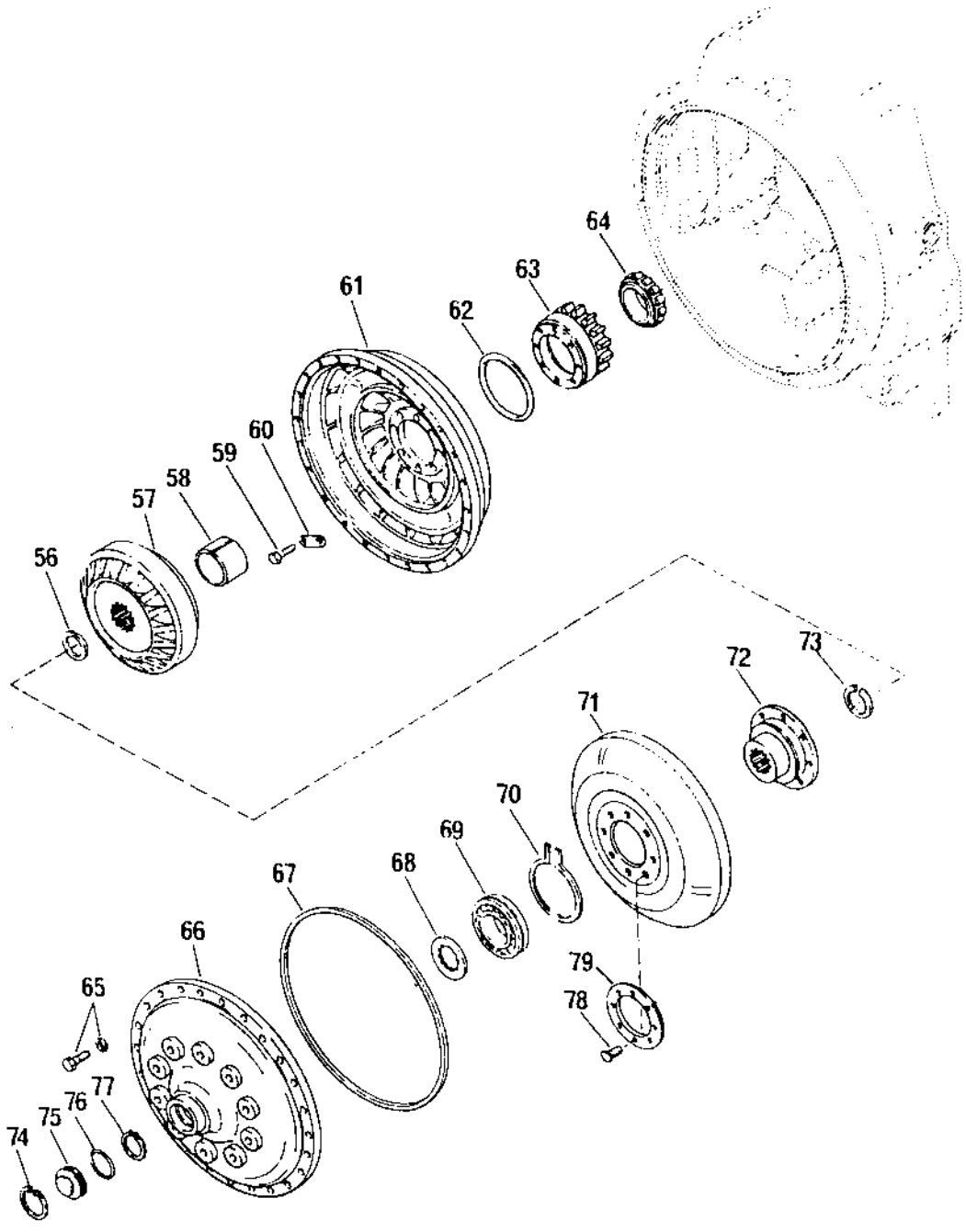


## Drive plate

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938557 | | 1 | Drive plate, cpl. | |
| 2 | | | 1 | .Not Sold Separately | |
| 3 | | | 2 | .Not Sold Separately | |
| 4 | 193673 | | 1 | .Support ring | |
| 5 | 240721 | | 10 | .Screw | |
| 6 | 938435 | | 10 | .Washer | |

**Torque converter**

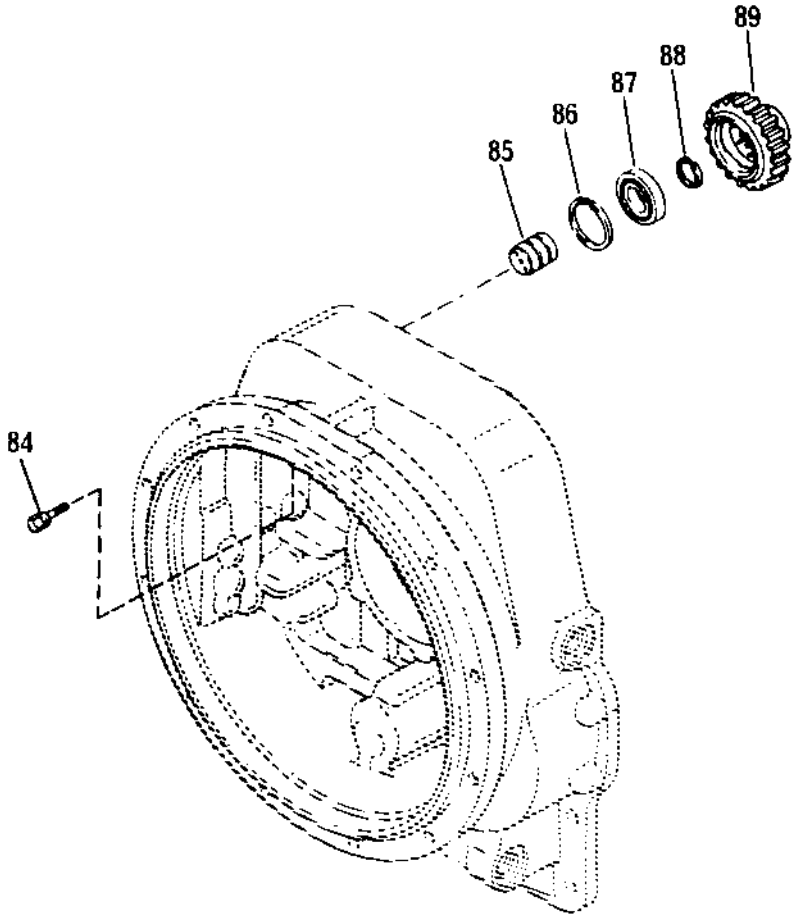
**16458**



| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 56 | 240729 | | 1 | Seal ring | |
| 57 | 240683 | | 1 | Stator | |
| 58 | 240701 | | 1 | Spacer | |
| 59 | 240576 | | 8 | Screw | |
| 60 | 240612 | | 4 | Lock plate | |
| 61 | | | 1 | Impeller | |
| 62 | 193674 | | 1 | O-ring | |
| 63 | 240665 | | 1 | Impeller hub | |
| 64 | 240666 | | 1 | Bearing | |
| 65 | | | 24 | Screw with washer | |
| 66 | | | 1 | Impeller cover | |
| 67 | 193676 | | 1 | O-ring | |
| 68 | | | 1 | Ring | |
| 69 | 240613 | | 1 | Bearing | |
| 70 | 240614 | | 1 | Seal ring | |
| 71 | 240679 | | 1 | Turbine | |
| 72 | 240680 | | 1 | Hub | |
| 73 | 240573 | | 1 | Seal ring | |
| 74 | 240574 | | 1 | Retaining ring | |
| 75 | 240584 | | 1 | Plug | |
| 76 | 193677 | | 1 | O-ring | |
| 77 | 240573 | | 1 | Seal ring | |
| 78 | 240696 | | 12 | Screw | |
| 79 | | | 1 | Washer | |

**Auxiliary pump drive**

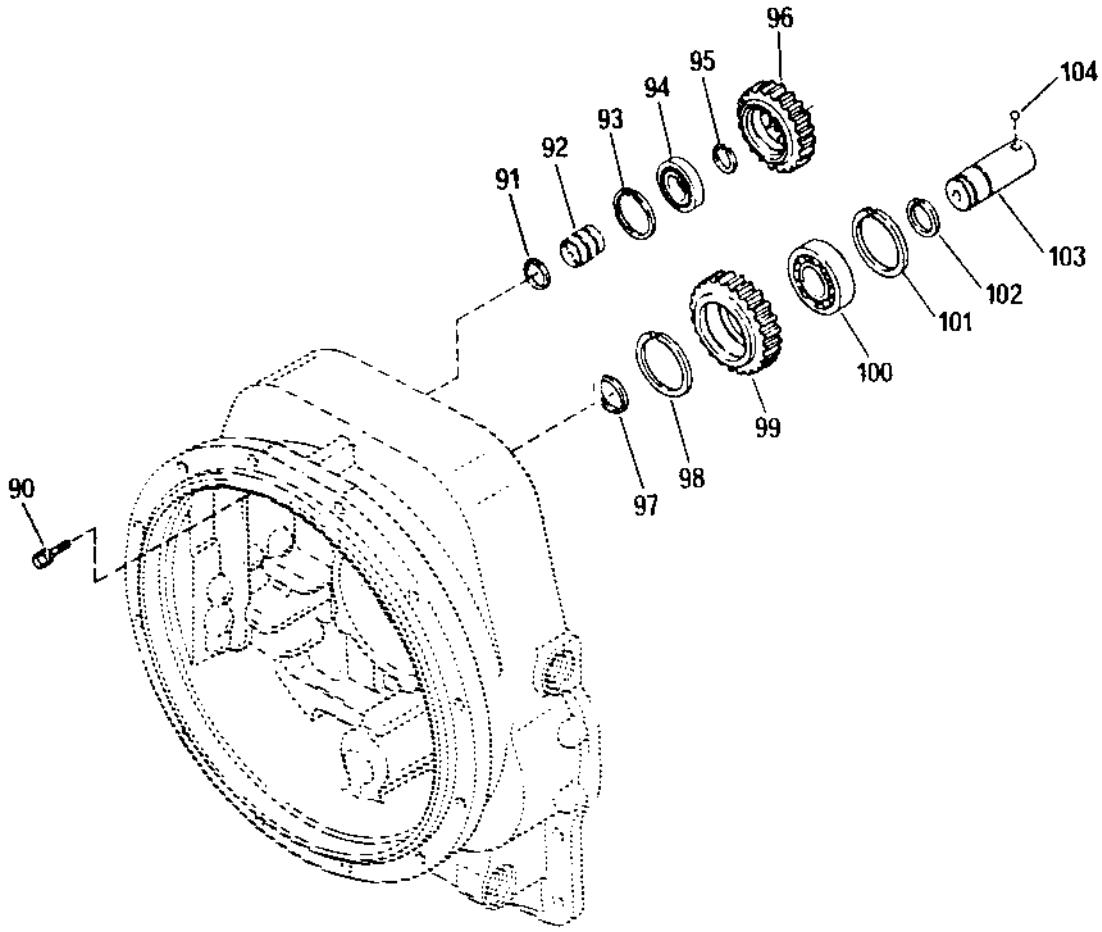
**16459**



| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 84 | | | 2 | Screw with washer | |
| 85 | 240623 | | 1 | Support | |
| 86 | 240586 | | 1 | Retaining ring | |
| 87 | 240663 | | 1 | Bearing | |
| 88 | 240629 | | 1 | Locating ring | |
| 89 | 240677 | | 1 | Gear | |

**Charging pump drive**

**16460**

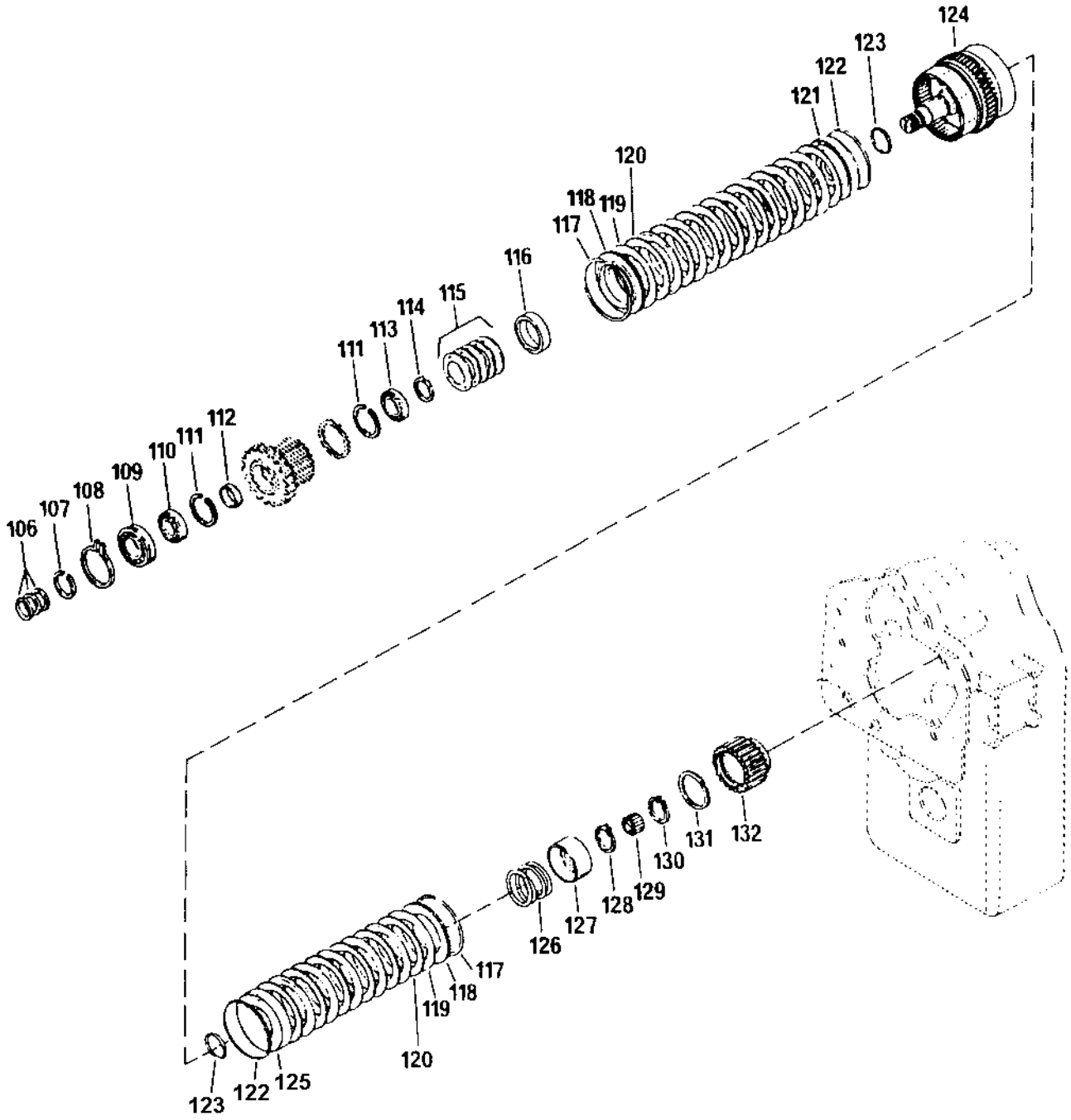


## Charging pump drive

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 90 | 193678 | | 2 | Screw with washer | |
| 91 | 240629 | | 1 | Locating ring | |
| 92 | 240623 | | 1 | Support | |
| 93 | 240587 | | 1 | Seal ring | |
| 94 | 193679 | | 1 | Bearing | |
| 95 | 240629 | | 1 | Locating ring | |
| 96 | 240661 | | 1 | Gear | |
| 97 | 240629 | | 1 | Locating ring | |
| 98 | 240558 | | 1 | Seal ring | |
| 99 | 240660 | | 1 | Intermediate gear | |
| 100 | 240664 | | 1 | Bearing | |
| 101 | 240588 | | 1 | Retaining ring | |
| 102 | 240629 | | 1 | Locating ring | |
| 103 | 240662 | | 1 | Shaft | |
| 104 | 193680 | | 1 | Ball | |

## Reverse & 2nd shaft

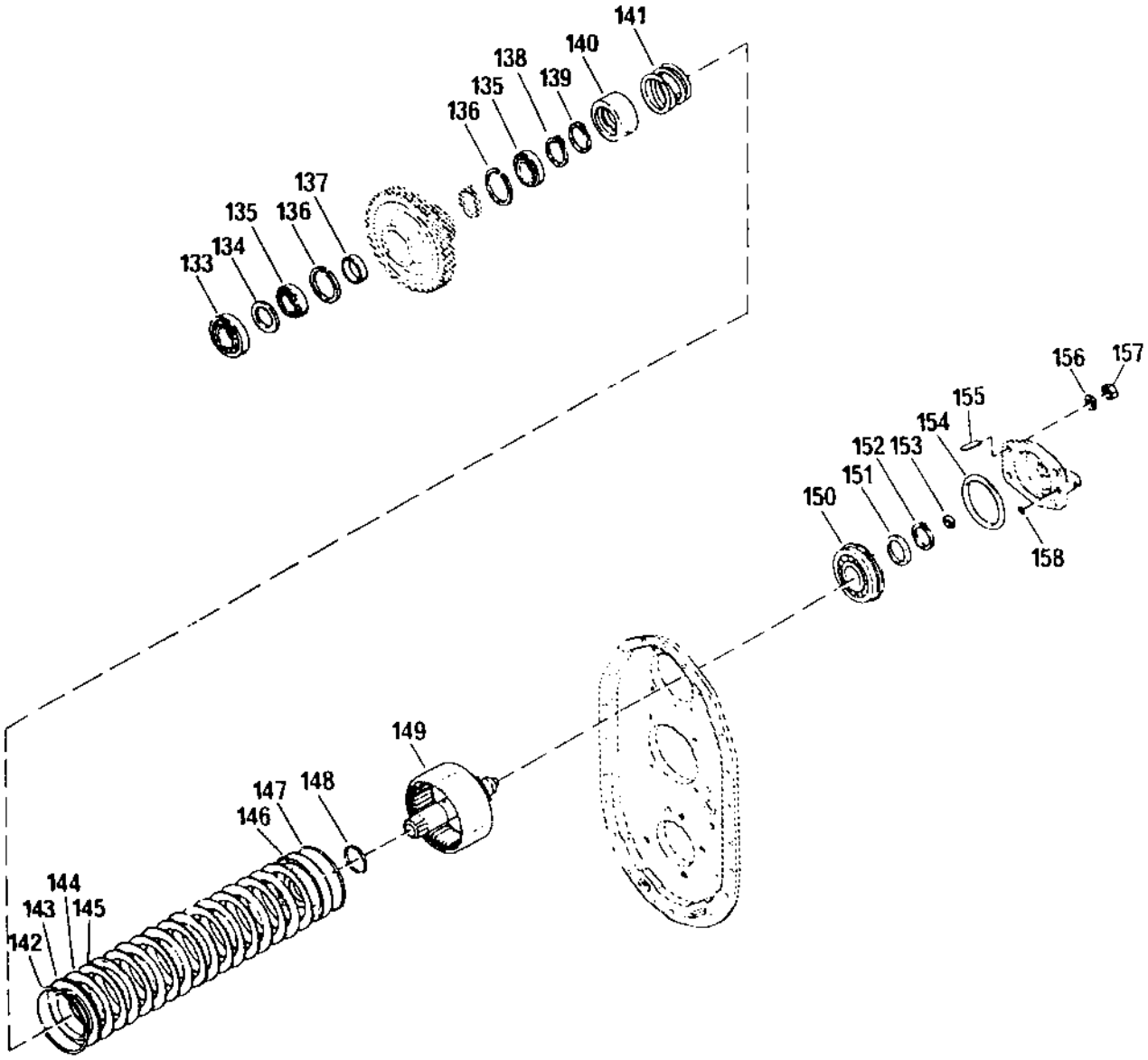
**16461**



| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 106 | 193683 | | 3 | Piston ring | |
| 107 | 193684 | | 1 | Retaining ring | |
| 108 | 240593 | | 1 | Snap ring | |
| 109 | 240585 | | 1 | Bearing | |
| 110 | | | 1 | Bearing | |
| 111 | 240602 | | 2 | Retaining ring | |
| 112 | 240620 | | 1 | Spacer | |
| 113 | | | 1 | Bearing | |
| 114 | 240655 | | 1 | Snap ring | |
| 115 | 193685 | | 1 | Disc spring | |
| 116 | 240651 | | 1 | Spacer | |
| 117 | 240601 | | 2 | Snap ring | |
| 118 | 240649 | | 2 | Support disc | |
| 119 | 240650 | | 14 | Inner disc | |
| 120 | 240600 | | 14 | Outer disc | |
| 121 | 240640 | | 1 | Piston | |
| 122 | 193686 | | 2 | Seal ring, outer | |
| 123 | 193687 | | 2 | Seal ring, inner | |
| 124 | 240697 | | 1 | Plate carrier | |
| 125 | 240642 | | 1 | Piston | |
| 126 | 240639 | | 1 | Spring | |
| 127 | 240638 | | 1 | Spring stop | |
| 128 | 240626 | | 1 | Snap ring | |
| 129 | 240596 | | 1 | Bearing | |
| 130 | 240625 | | 1 | Retaining ring | |
| 132 | 938379 | | 1 | Hub | |

**Low speed shaft**

**16462**

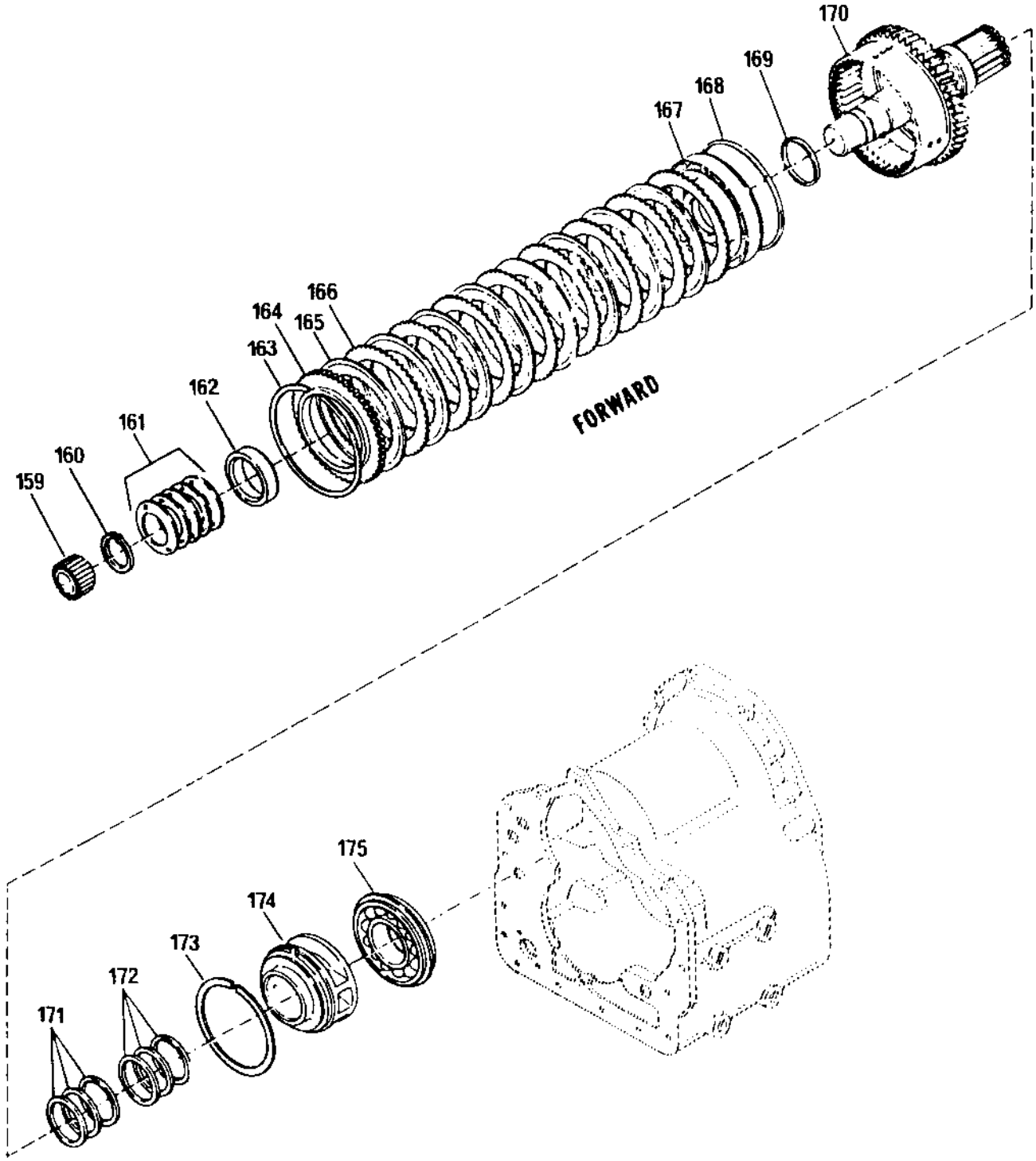


## Low speed shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 133 | 240591 | | 1 | Bearing | |
| 134 | 240604 | | 1 | Spacer | |
| 135 | 240592 | | 2 | Bearing | |
| 136 | 240588 | | 2 | Retaining ring | |
| 137 | 240621 | | 1 | Spacer | |
| 138 | 240625 | | 1 | Retaining ring | |
| 139 | 240626 | | 1 | Snap ring | |
| 140 | 240638 | | 1 | Spring stop | |
| 141 | 240639 | | 1 | Spring | |
| 142 | 240601 | | 1 | Snap ring | |
| 143 | 240649 | | 1 | Support disc | |
| 144 | 240624 | | 8 | Inner disc | |
| 145 | 240600 | | 8 | Outer disc | |
| 146 | | | 1 | Piston | |
| 147 | 193686 | | 1 | Seal ring, outer | |
| 148 | 193687 | | 1 | Seal ring, inner | |
| 149 | 240641 | | 1 | Disc carrier | |
| 150 | 240681 | | 1 | Bearing | |
| 151 | 240616 | | 1 | Washer | |
| 152 | 240625 | | 1 | Retaining ring | |
| 153 | 193699 | | 1 | Piston ring | |
| 154 | 193700 | | 1 | O-ring | |
| 155 | 193701 | | 4 | Stud | |
| 156 | | | 4 | Spring washer | |
| 157 | 193702 | | 4 | Nut | |
| 158 | 193703 | | 1 | O-ring | |

**Forward shaft**

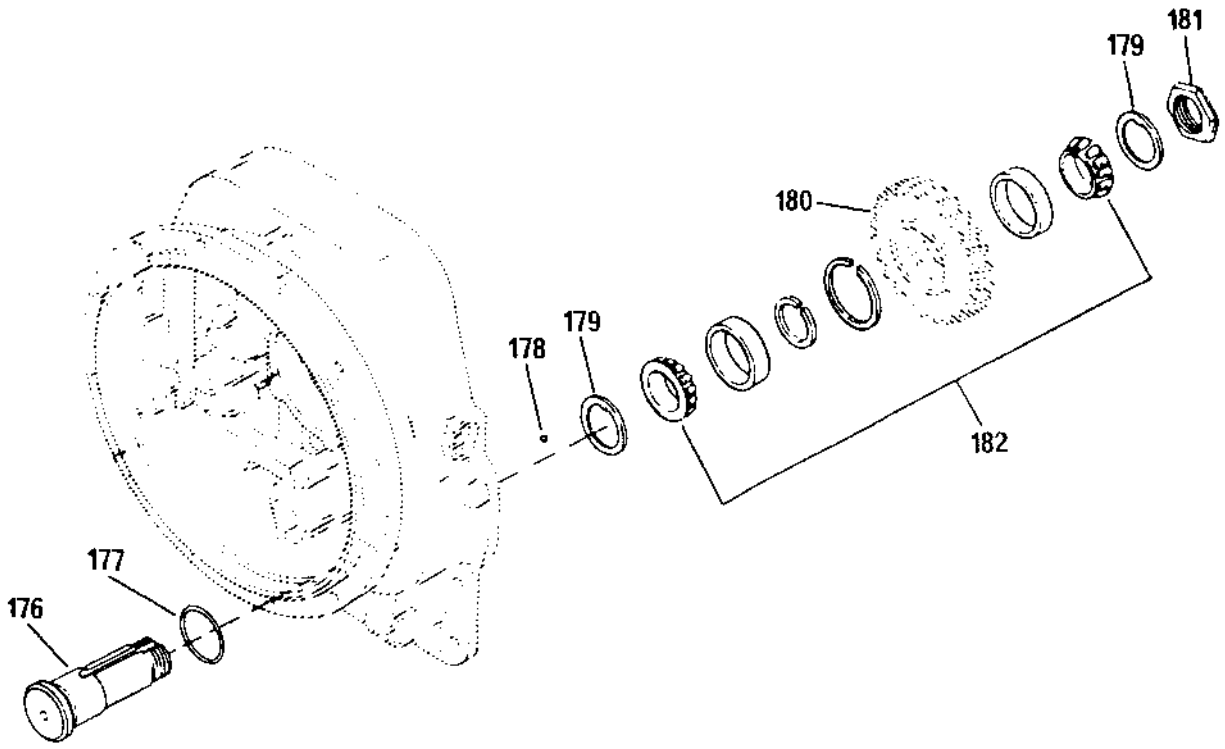
**16221**



| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 159 | 240636 | | 1 | Needle bearing | |
| 160 | 240655 | | 1 | Snap ring | |
| 161 | 193685 | | 1 | Disc spring | |
| 162 | 240651 | | 1 | Spacer | |
| 163 | 240601 | | 1 | Snap ring | |
| 164 | 240649 | | 1 | Support disc | |
| 165 | 240650 | | 8 | Inner disc | |
| 166 | 240600 | | 8 | Outer disc | |
| 167 | 240640 | | 1 | Piston | |
| 168 | 193686 | | 1 | Seal ring, outer | |
| 169 | 193687 | | 1 | Seal ring, inner | |
| 170 | 240653 | | 1 | Plate carrier | |
| 171 | 938362 | | 4 | Piston ring expander | |
| 172 | 938368 | | 4 | Piston ring | |
| 173 | 240637 | | 1 | Retaining ring | |
| 174 | 240691 | | 1 | Bushing | |
| 175 | 240695 | | 1 | Bearing | |

**Reverse idler**

**16464**

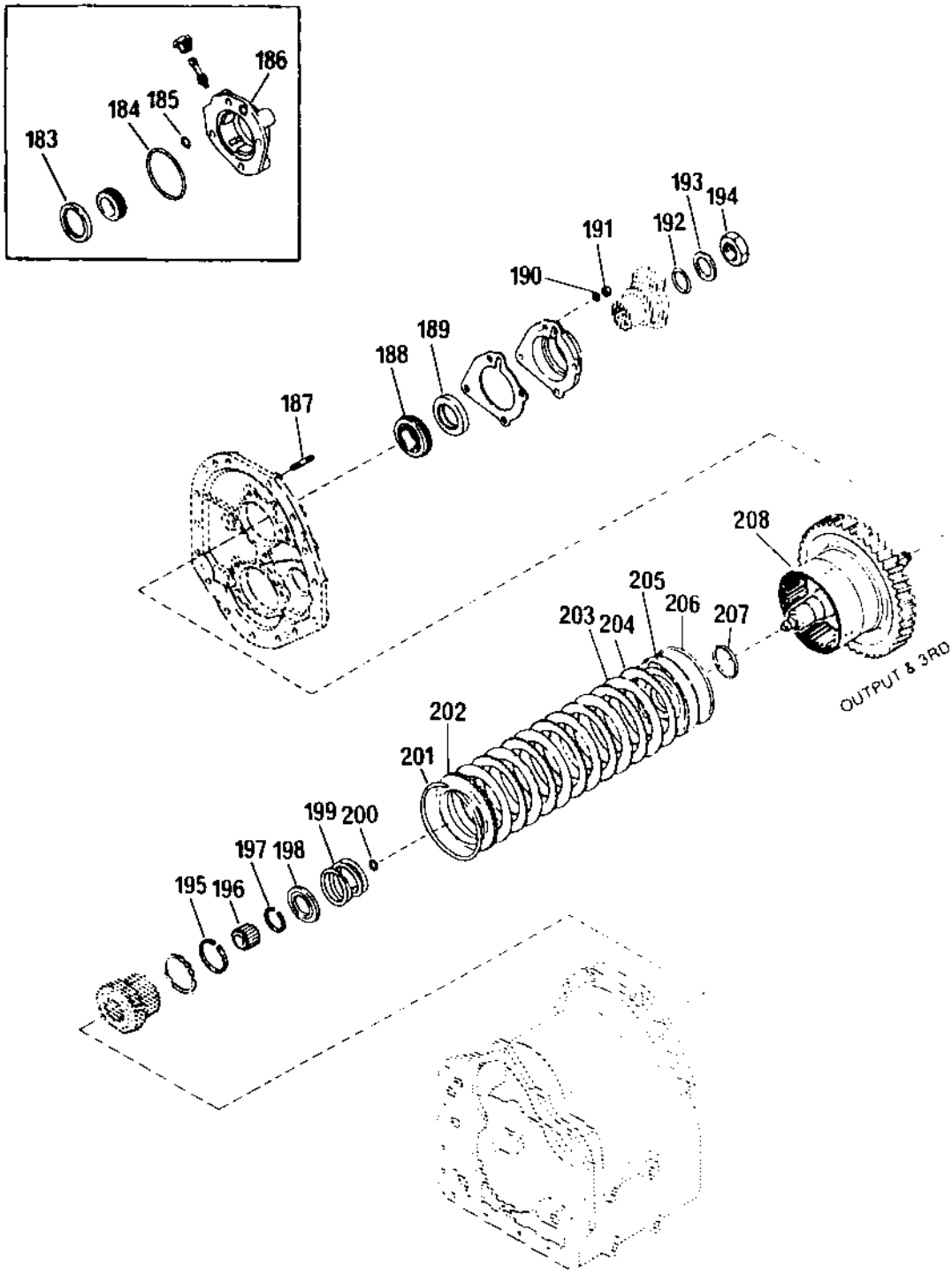


## Reverse idler

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 176 | 193707 | | 1 | Intermediate shaft | |
| 177 | 193708 | | 1 | O-ring | |
| 178 | 240567 | | 1 | Ball | |
| 179 | 240673 | | 2 | Washer | |
| 180 | 240669 | | 1 | Intermediate gear | |
| 181 | 240579 | | 1 | Nut | |
| 182 | 193709 | | 1 | Bearing | |

**Output & 3rd clutch**

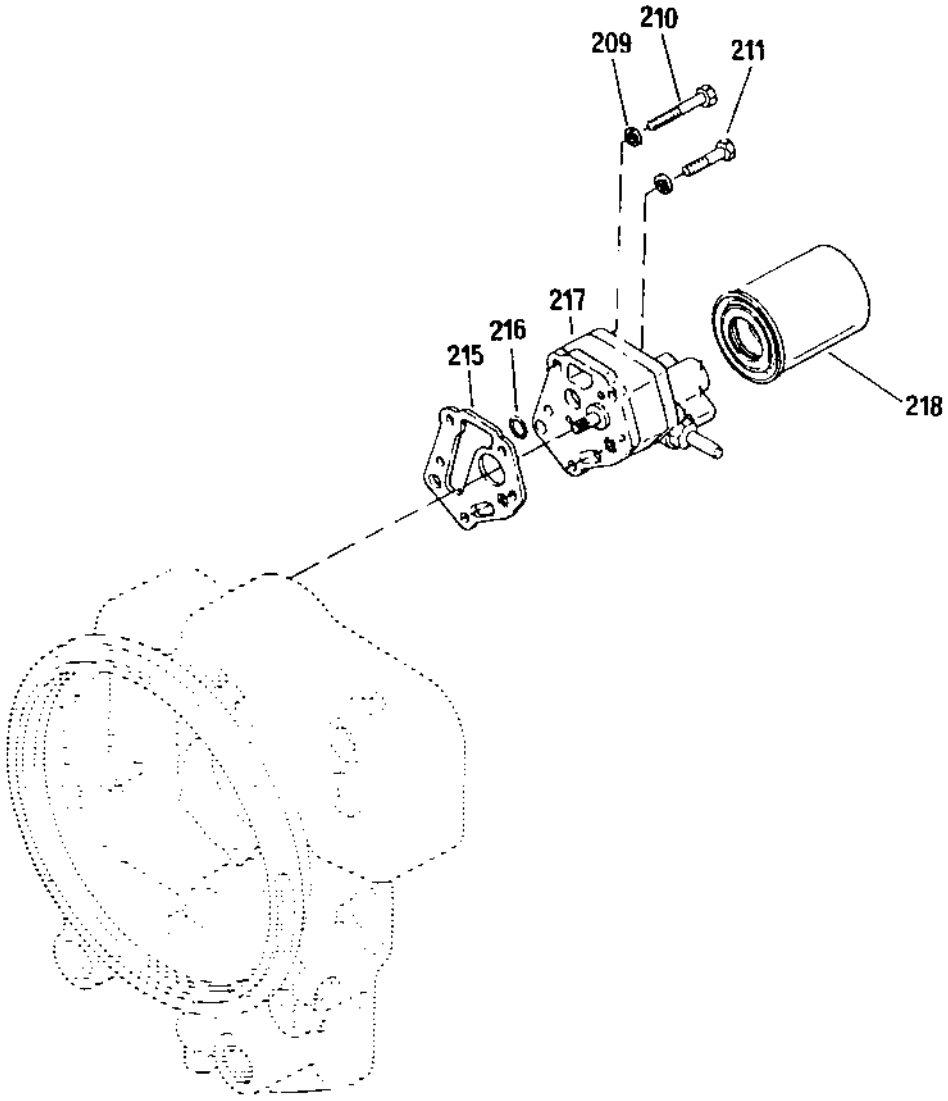
**16465**



| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 183 | 240630 | | 1 | Spacer | |
| 184 | 193712 | | 1 | O-ring | |
| 185 | 193713 | | 1 | O-ring | |
| 186 | | | 1 | Cover | |
| 187 | | | 4 | Stud | |
| 188 | 240590 | | 1 | Bearing | |
| 189 | 193710 | | 1 | Oil seal | |
| 190 | | | 4 | Spring washer | |
| 191 | 240728 | | 4 | Nut | |
| 192 | 193711 | | 1 | O-ring | |
| 193 | 240570 | | 1 | Washer | |
| 194 | 240581 | | 1 | Nut | |
| 195 | 240659 | | 1 | Retainer ring | |
| 196 | 240603 | | 1 | Needle bearing | |
| 197 | 240626 | | 1 | Snap ring | |
| 198 | 240638 | | 1 | Spring stop | |
| 199 | 240639 | | 1 | Spring | |
| 200 | 193699 | | 1 | Piston ring | |
| 201 | 240601 | | 1 | Snap ring | |
| 202 | 240649 | | 1 | Support disc | |
| 203 | 240650 | | 6 | Inner disc | |
| 204 | 240600 | | 6 | Outer disc | |
| 205 | 240642 | | 1 | Piston | |
| 206 | 193686 | | 1 | Seal ring, outer | |
| 207 | 193687 | | 1 | Seal ring, inner | |
| 208 | 240643 | | 1 | Disc carrier | |

**Chrging pump & oil filter**

**16466**



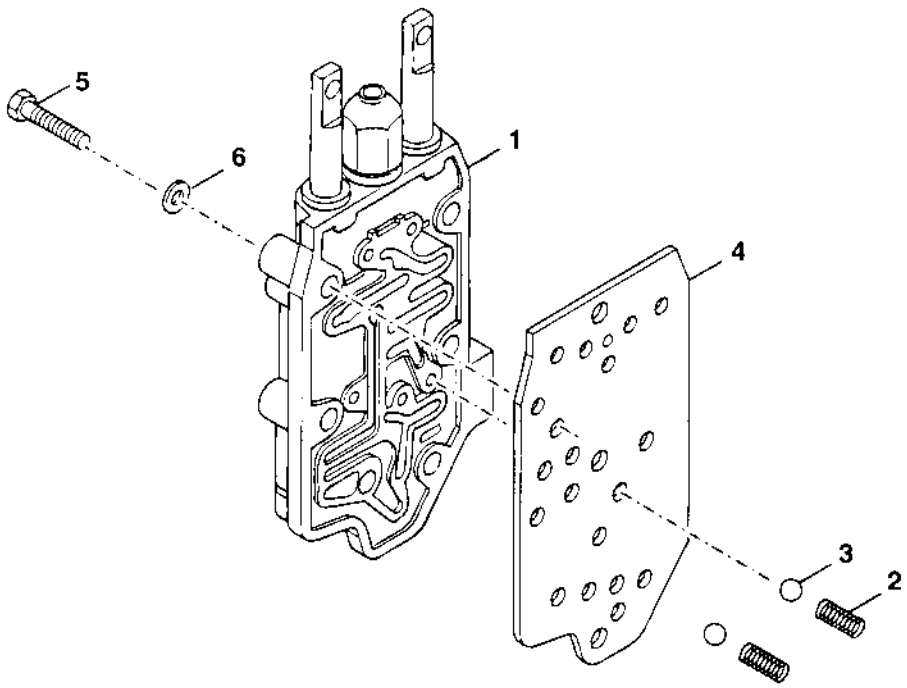
## Chrging pump & oil filter

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 209 | | | 5 | Spring washer | |
| 210 | 240566 | | 1 | Screw | |
| 211 | 240565 | | 2 | Screw | |
| 212 | | | 2 | Nut | |
| 215 | 193714 | | 1 | Gasket | |
| 216 | 193664 | | 1 | O-ring | |
| 217 | 193715 | | 1 | Hydraulic pump | |
| | 938746 | A | 1 | Gasket kit | |
| 218 | 249993 | | 1 | Oil filter | A |

A) Not illustrated

**Control valve**

**17308**

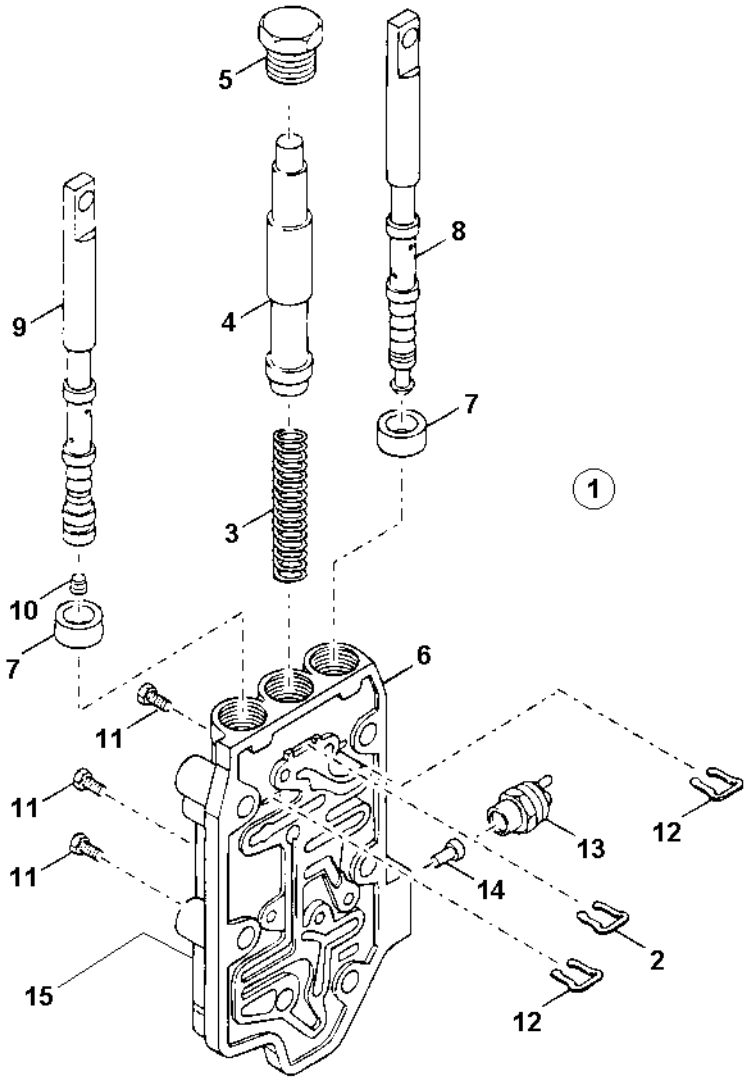


## Control valve

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 240647 | | 1 | Control valve assembly ( Page 126 ) | |
| 2 | 240632 | | 2 | Spring | |
| 3 | 240568 | | 2 | Ball | |
| 4 | 193716 | | 1 | Gasket | |
| 5 | 240562 | | 9 | Screw | |
| 6 | 938435 | | 9 | Washer | |

**240647 Control valve assembly**

**17309-1**



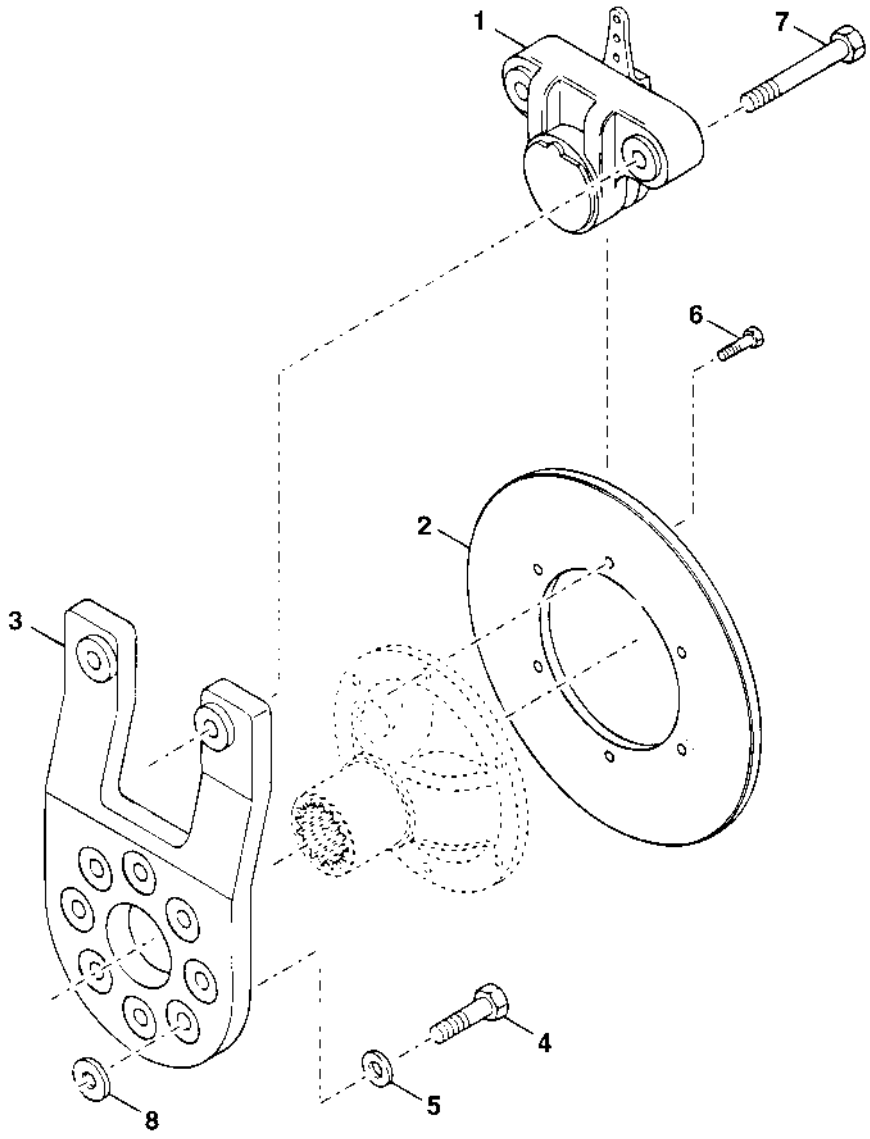
## 240647 Control valve assembly

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | 1 | Control valve, cpl | |
| 2 | 240609 | | 1 | .Clamp | |
| 3 | 240610 | | 1 | .Valve spring | |
| 4 | 240611 | | 1 | .Control piston | |
| 5 | 240685 | | 1 | .Back stop | |
| 6 | 240648 | | 1 | .Control valve, assy | |
| 7 | 193719 | | 1 | ..Oil seal | |
| 8 | 240608 | | 1 | ..Control piston | |
| 9 | 240607 | | 1 | ..Control piston | |
| 10 | 240674 | | 1 | ...Plug | |
| 11 | 240720 | | 4 | ..Plug | |
| 12 | 240609 | | 2 | ..Clamp | |
| 13 | 240598 | A | 1 | ..Switch | |
| 14 | 240599 | | 1 | ..Pin | |
| 15 | 193045 | B | 1 | Sensor | |

A) Neutral start switch
B) Reverse sensor, always sold separately, (not illustrated)

**Disc brake**

**17310**

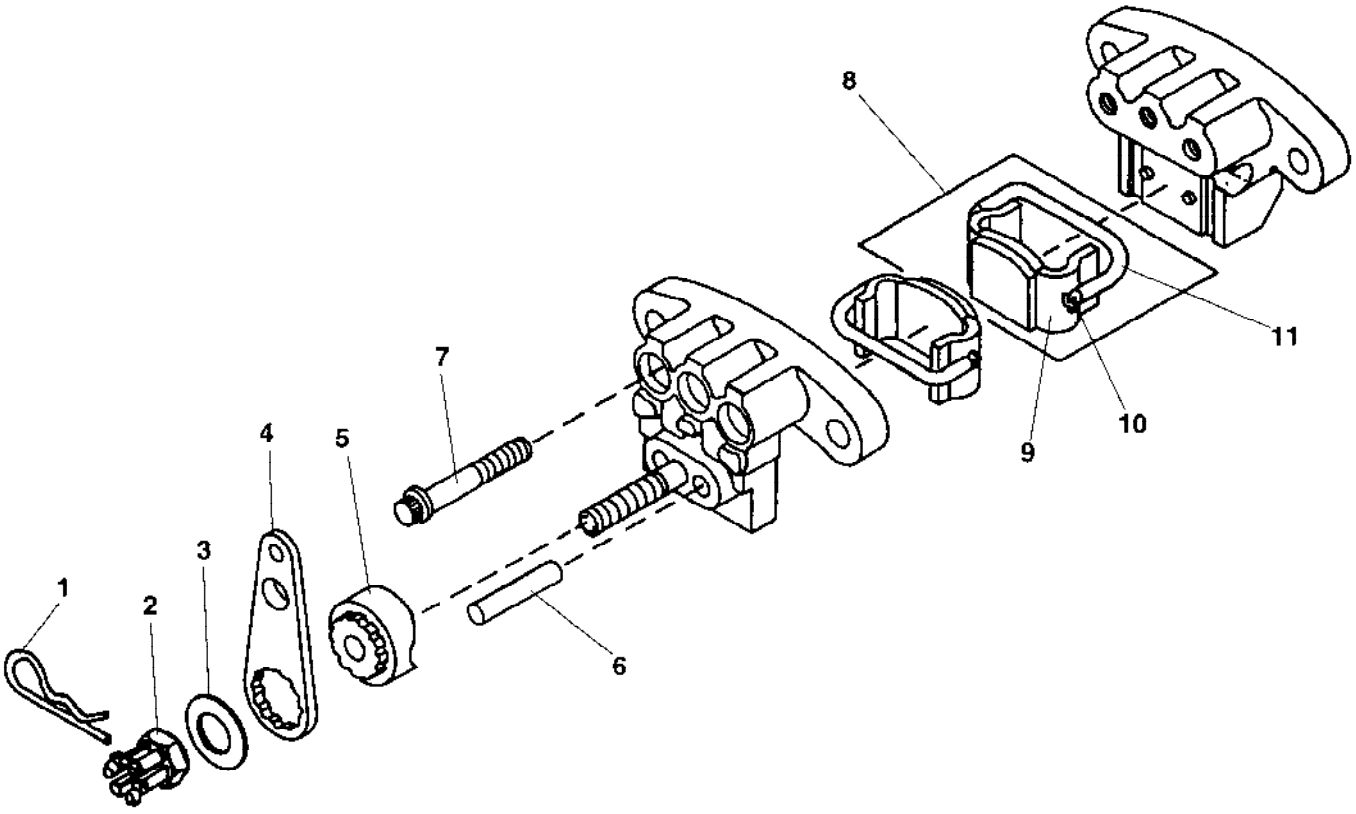


## Disc brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 937693 | | 1 | Brake caliper ( Page 130 ) | |
| 2 | 938108 | | 1 | Disc | |
| 3 | 939430 | | 1 | Bracket | |
| 4 | 938354 | | 4 | Screw | |
| 5 | 938374 | | 4 | Washer | |
| 6 | 938355 | | 6 | Screw | |
| 7 | 939428 | | 2 | Screw | |
| 8 | 939429 | | 2 | Nut | |

**937693 Brake caliper**

**16470**



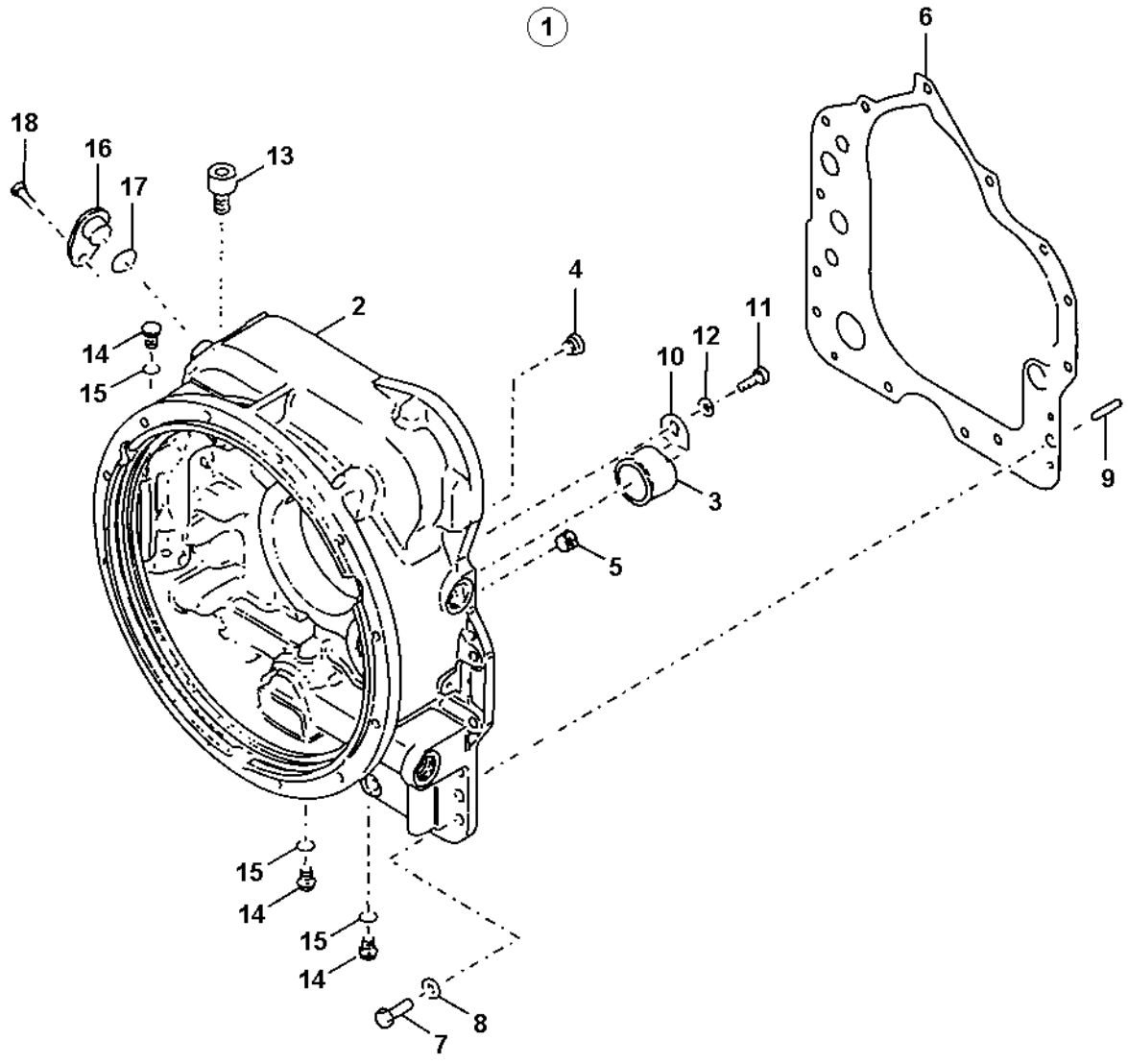
## 937693 Brake caliper

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| | | | 1 | Brake caliper, cpl | |
| 1 | 937683 | | 1 | .Hitch pin | |
| 2 | 937684 | | 1 | .Castle nut | |
| 3 | 937685 | | 1 | .Washer | |
| 4 | 937686 | | 1 | .Lever | |
| 5 | 937687 | | 1 | .Cam | |
| 6 | 937688 | | 1 | .Push pin | |
| 7 | 937689 | | 3 | .Bolt | |
| 8 | 937682 | | 2 | .Pad & holder, spring assembly | |
| 9 | 937690 | | 1 | ..Pad & holder assembly | D |
| 10 | 937691 | | 2 | ..Spring retainer | D |
| 11 | 937692 | | 1 | ..Spring | D |

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 15 | | | | Converter housing ( Page 134 ) | |
| 25 | | | | Case and rear cover ( Page 136 ) | |
| 35 | | | | Turbine shaft ( Page 138 ) | |
| 45 | | | | Drive plate ( Page 140 ) | |
| 55 | | | | Torque converter ( Page 142 ) | |
| 65 | | | | Gear ( Page 144 ) | |
| 75 | | | | Auxiliary pump drive ( Page 146 ) | |
| 85 | | | | Pump drive ( Page 148 ) | |
| 95 | | | | Forward shaft ( Page 150 ) | |
| 105 | | | | Reverse and 2nd shaft ( Page 152 ) | |
| 115 | | | | Reverse idler ( Page 154 ) | |
| 125 | | | | Low speed shaft ( Page 156 ) | |
| 135 | | | | Output and 3rd shaft ( Page 158 ) | |
| 145 | | | | Charging pump and filter ( Page 160 ) | |
| 155 | | | | Control valve ( Page 124 ) | |
| 175 | | | | Disc brake Up to 22620429 ( Page 166 ) | |

**Converter housing**

**17294**

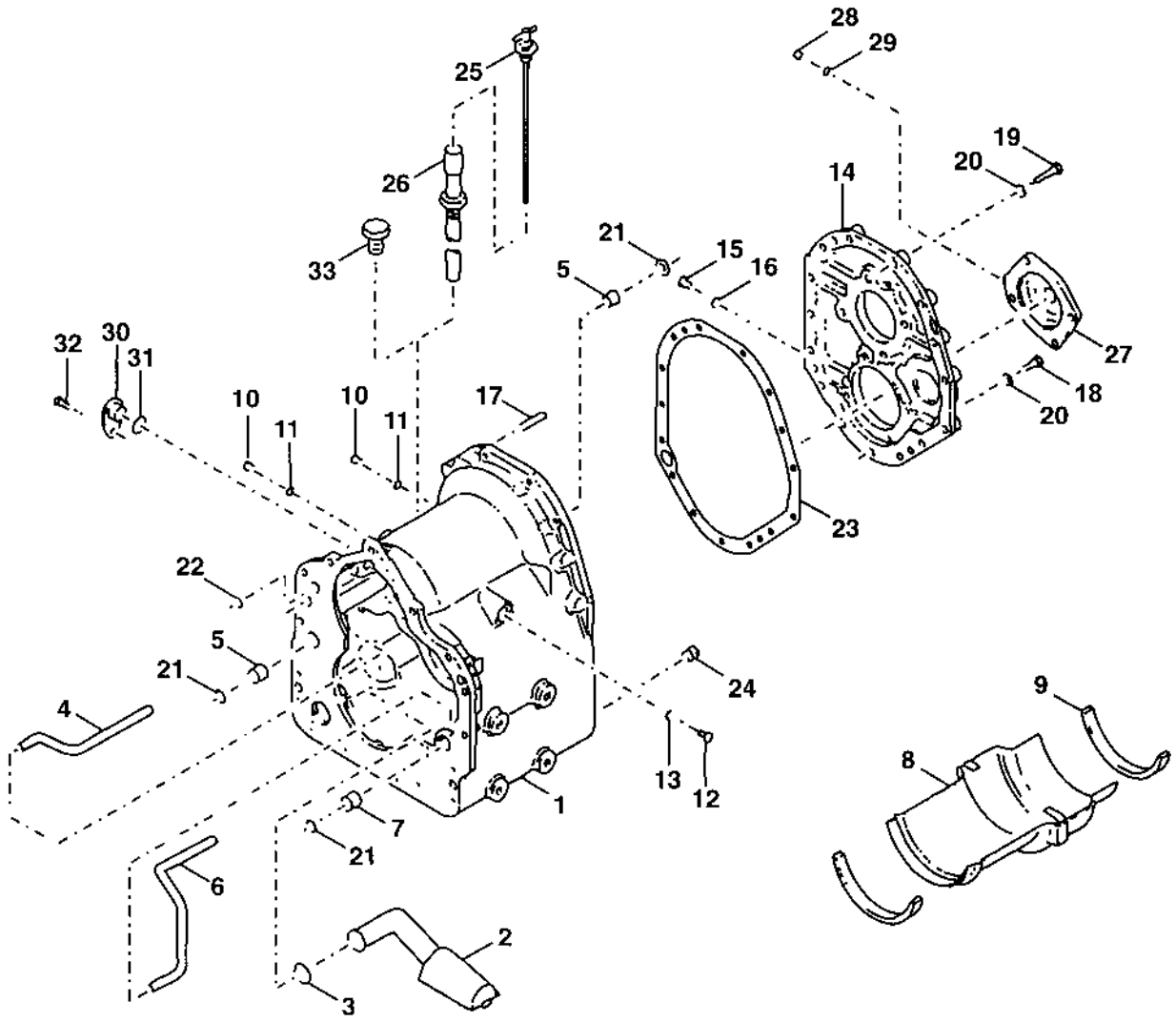


## Converter housing

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 381950 | | 1 | Transmission | |
| 2 | 938350 | | 1 | .Converter housing | |
| 3 | 938370 | | 1 | .Sleeve | |
| 4 | 938351 | | 1 | .Plug | |
| 5 | 240675 | | 1 | .Plug | |
| 6 | 938420 | | 1 | .Gasket | |
| 7 | 240563 | | 16 | .Screw | |
| 8 | 938436 | | 16 | .Washer | |
| 9 | 938381 | | 1 | .Pin | |
| 10 | 938359 | | 1 | .Clip | |
| 11 | 240560 | | 1 | .Screw | |
| 12 | 938434 | | 1 | .Washer | |
| 13 | 240667 | | 1 | .Breather | |
| 14 | 938431 | | 3 | .Plug | |
| 15 | 938448 | | 3 | ..O-ring | |
| 16 | 938377 | | 1 | .Plug | |
| 17 | 938380 | | 1 | .O-ring | |
| 18 | 938376 | | 1 | .Screw | |

**Case and rear cover**

**17295**

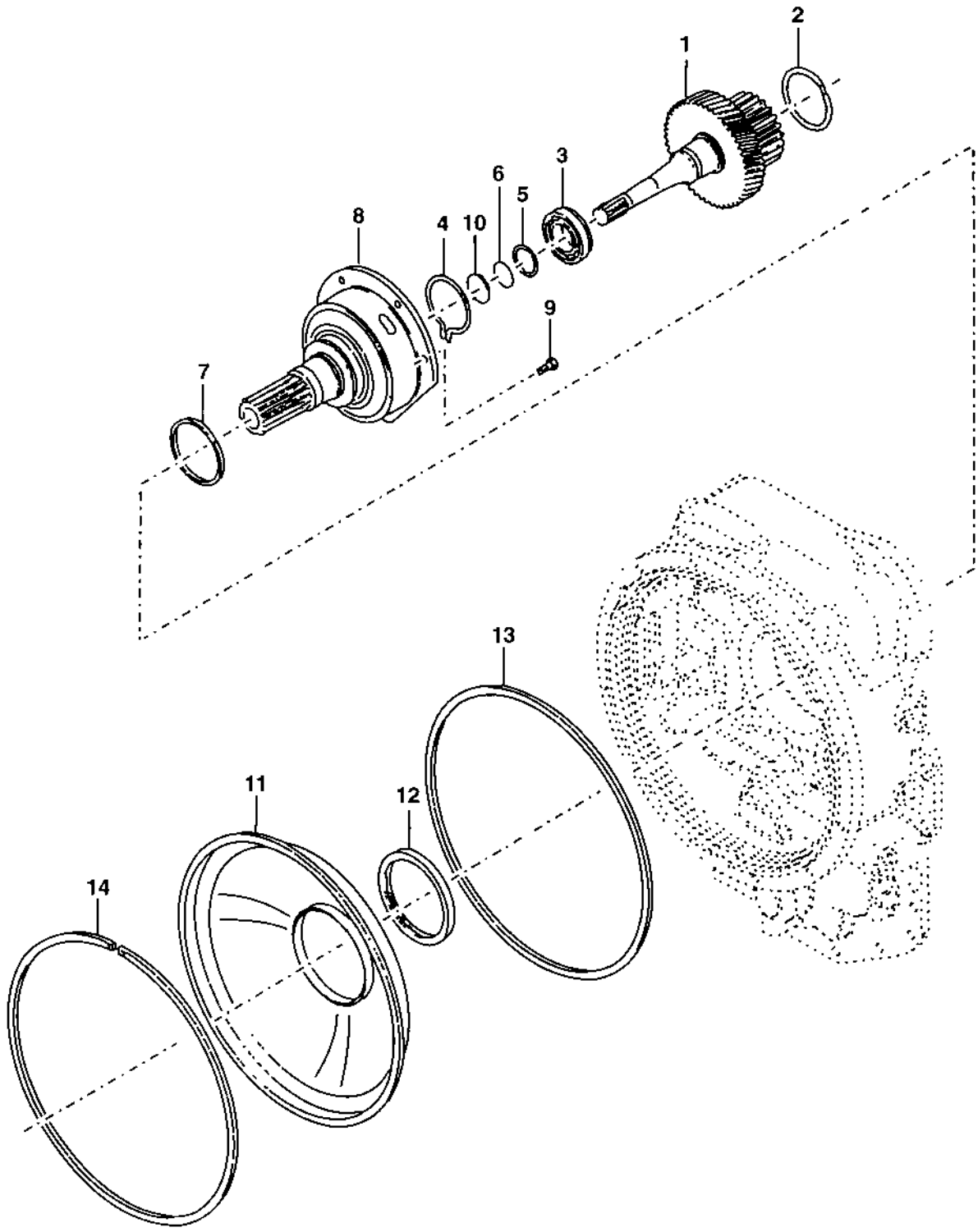


## Case and rear cover

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938421 | | 1 | Transmission housing | |
| 2 | 938423 | | 1 | .Suction tube | |
| 3 | 938402 | | 1 | .O-ring | |
| 4 | 240606 | | 1 | .Tube | |
| 5 | 240583 | | 2 | .Bushing | |
| 6 | 938425 | | 1 | .Tube | |
| 7 | 240582 | | 1 | .Bushing | |
| 8 | 240622 | | 1 | Oil deflector | |
| 9 | 193662 | | 2 | Deflector sealing | |
| 10 | 938431 | | 2 | Plug | |
| 11 | 938448 | | 2 | .O-ring | |
| 12 | 938432 | | 1 | Plug | |
| 13 | 938449 | | 1 | .O-ring | |
| 14 | 938422 | | 1 | Rear cover | |
| 15 | 938431 | | 1 | .Plug | |
| 16 | 938448 | | 1 | ..O-ring | |
| 17 | 938381 | | 2 | Pin | |
| 18 | 240563 | | 6 | Screw | |
| 19 | 938353 | | 9 | Screw | |
| 20 | 938436 | | 15 | Washer | |
| 21 | 193659 | | 3 | O-ring | |
| 22 | 193664 | | 2 | O-ring | |
| 23 | 938428 | | 1 | Gasket | |
| 24 | 938357 | | 2 | Magnetic drain plug | |
| 25 | 938367 | | 1 | Dipstick | |
| 26 | 240645 | | 1 | Guide tube | |
| 27 | 938424 | | 1 | Bearing cap | |
| 28 | 938431 | | 1 | .Plug | |
| 29 | 938448 | | 1 | ..O-ring | |
| 30 | 938377 | | 1 | Plug | |
| 31 | 938380 | | 1 | O-ring | |
| 32 | 938376 | | 1 | Screw | |
| 33 | | | | Not used on this model | |

**Turbine shaft**

**17296**

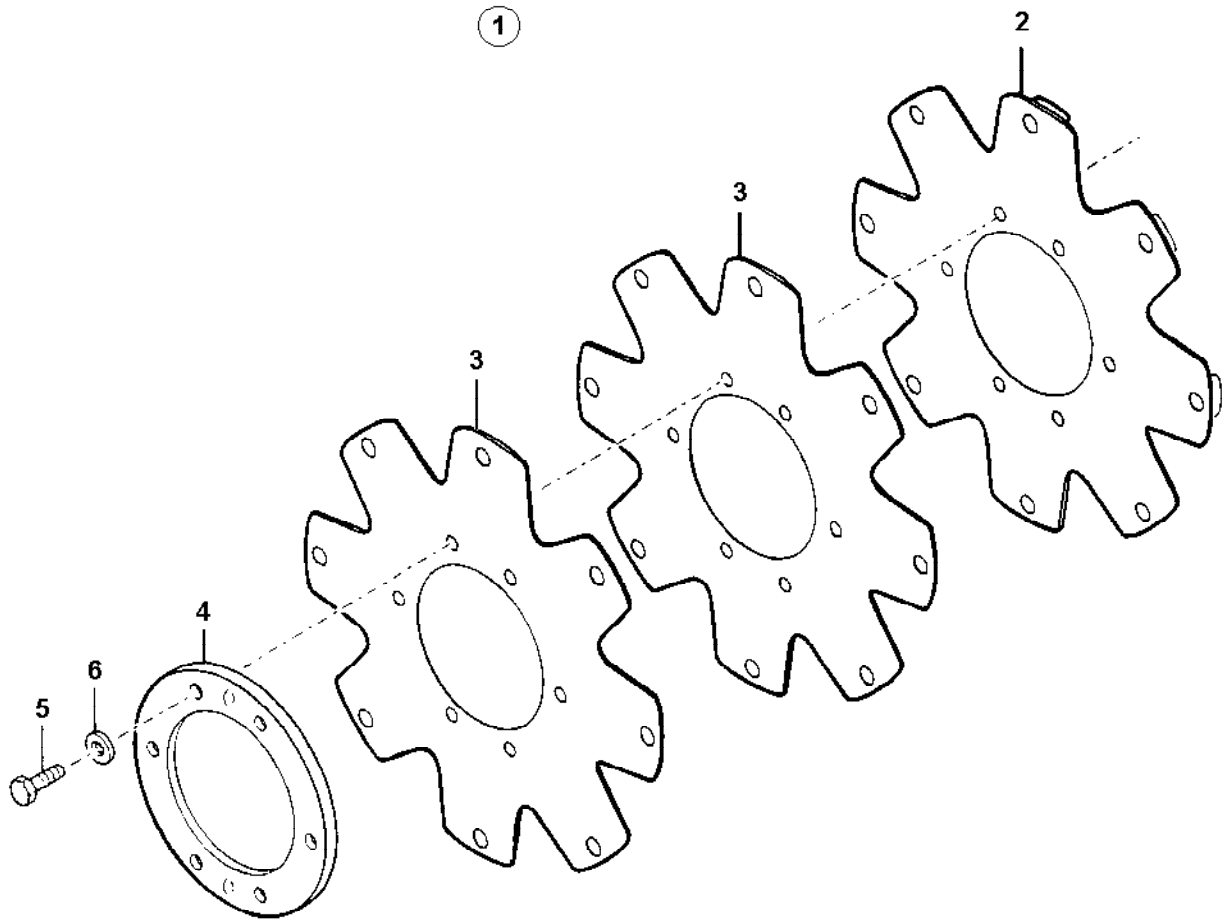


## Turbine shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938427 | | 1 | Hub | |
| 2 | 240688 | | 1 | .Retaining ring | |
| 3 | 938403 | | 1 | Ball bearing | |
| 4 | 240615 | | 1 | Snap ring | |
| 5 | 240616 | | 1 | Washer | |
| 6 | 240595 | | 1 | Retaining ring | |
| 7 | 938416 | | 1 | Piston ring | |
| 8 | 938417 | | 1 | Support | |
| 9 | 938366 | | 6 | Screw | |
| 10 | 938372 | | 1 | Piston ring | |
| 11 | 938365 | | 1 | Oil deflector | |
| 12 | 938401 | | 1 | .Seal | |
| 13 | 938364 | | 1 | Seal ring | |
| 14 | 938369 | | 1 | Retaining ring | |

**Drive plate**

**17297**

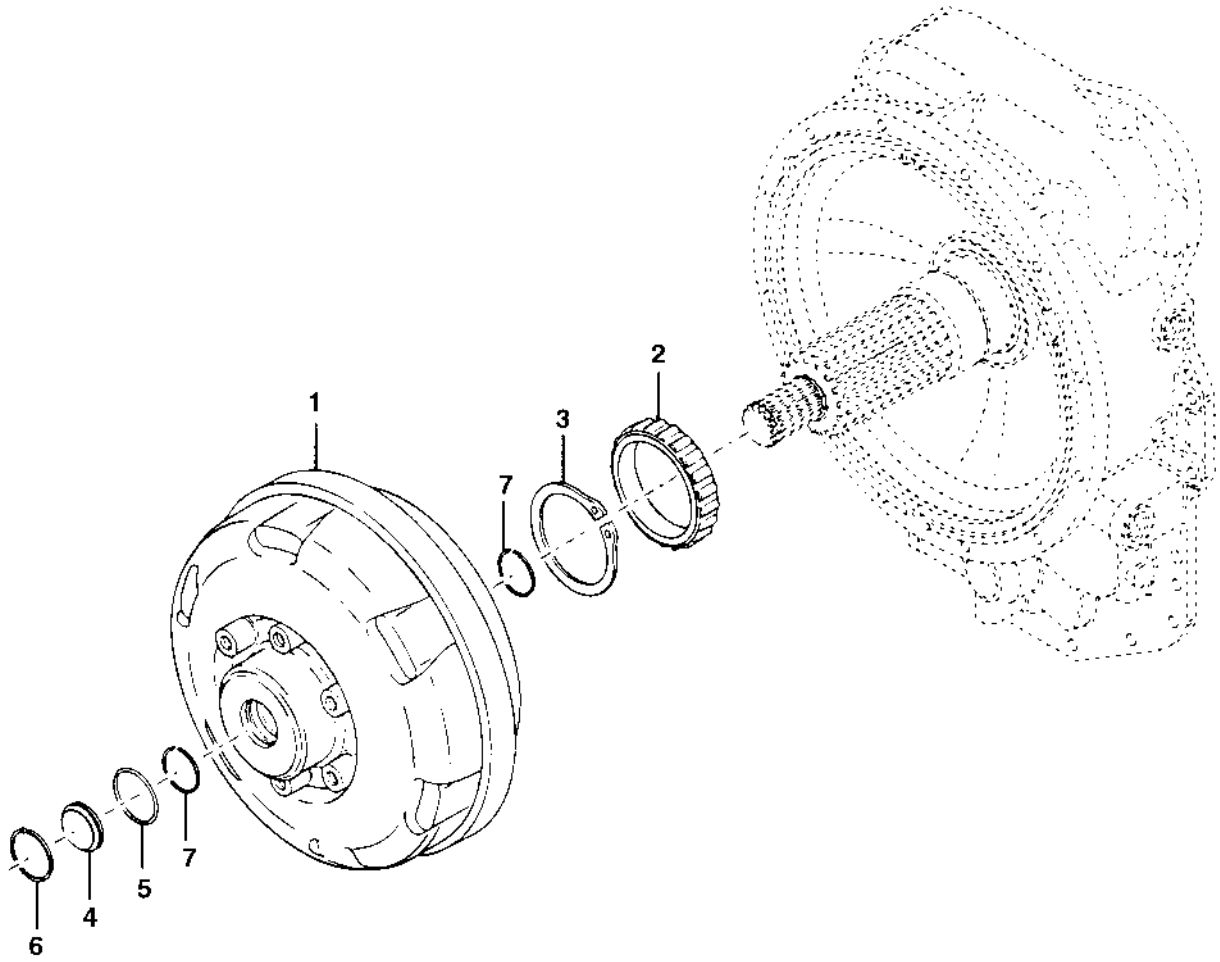


## Drive plate

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938447 | | 1 | Drive plate, cpl. | |
| 2 | | | 1 | .Not Sold Separately | |
| 3 | | | 2 | .Not Sold Separately | |
| 4 | 938404 | | 1 | .Support ring | |
| 5 | 938433 | | 6 | .Screw | |
| 6 | 938444 | | 6 | .Washer | |

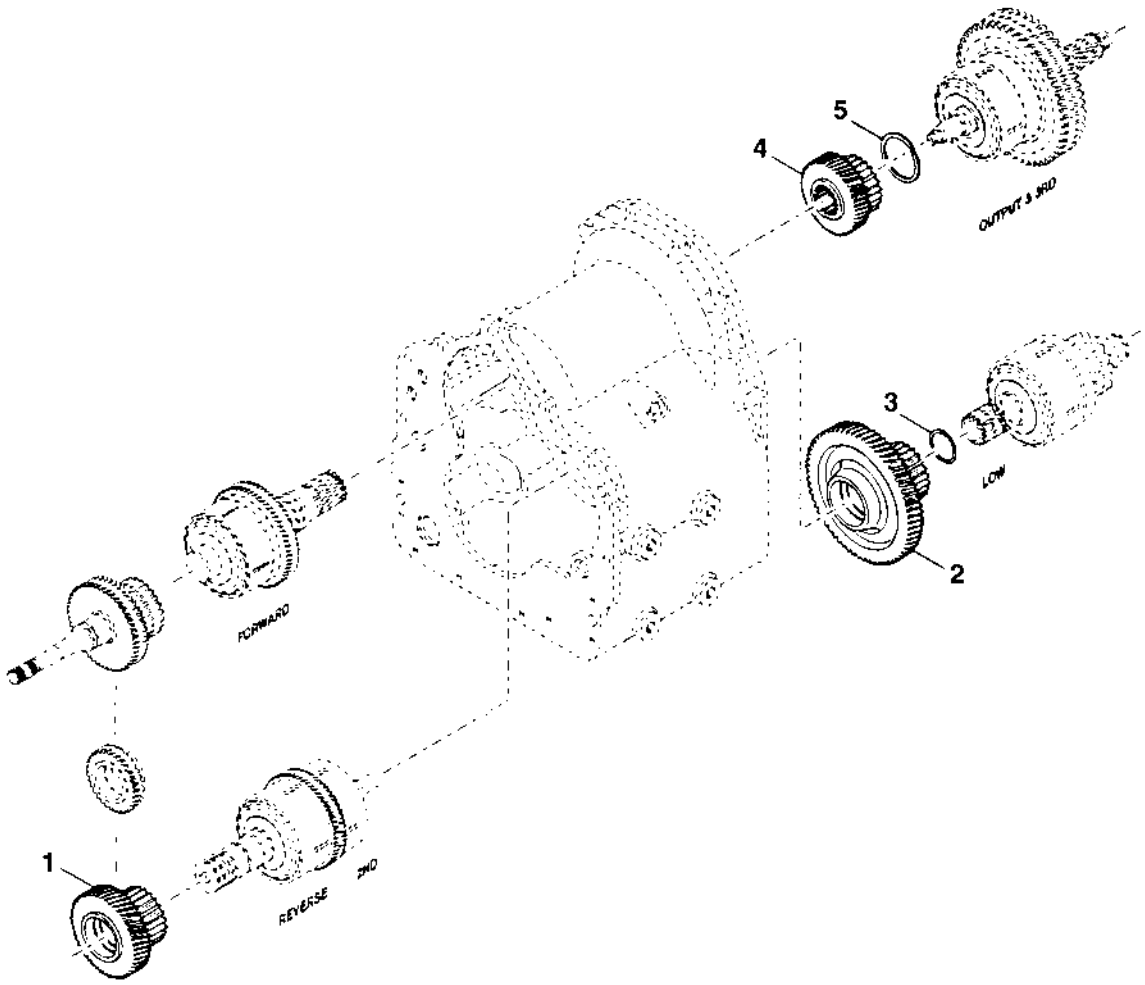
**Torque converter**

**17298**



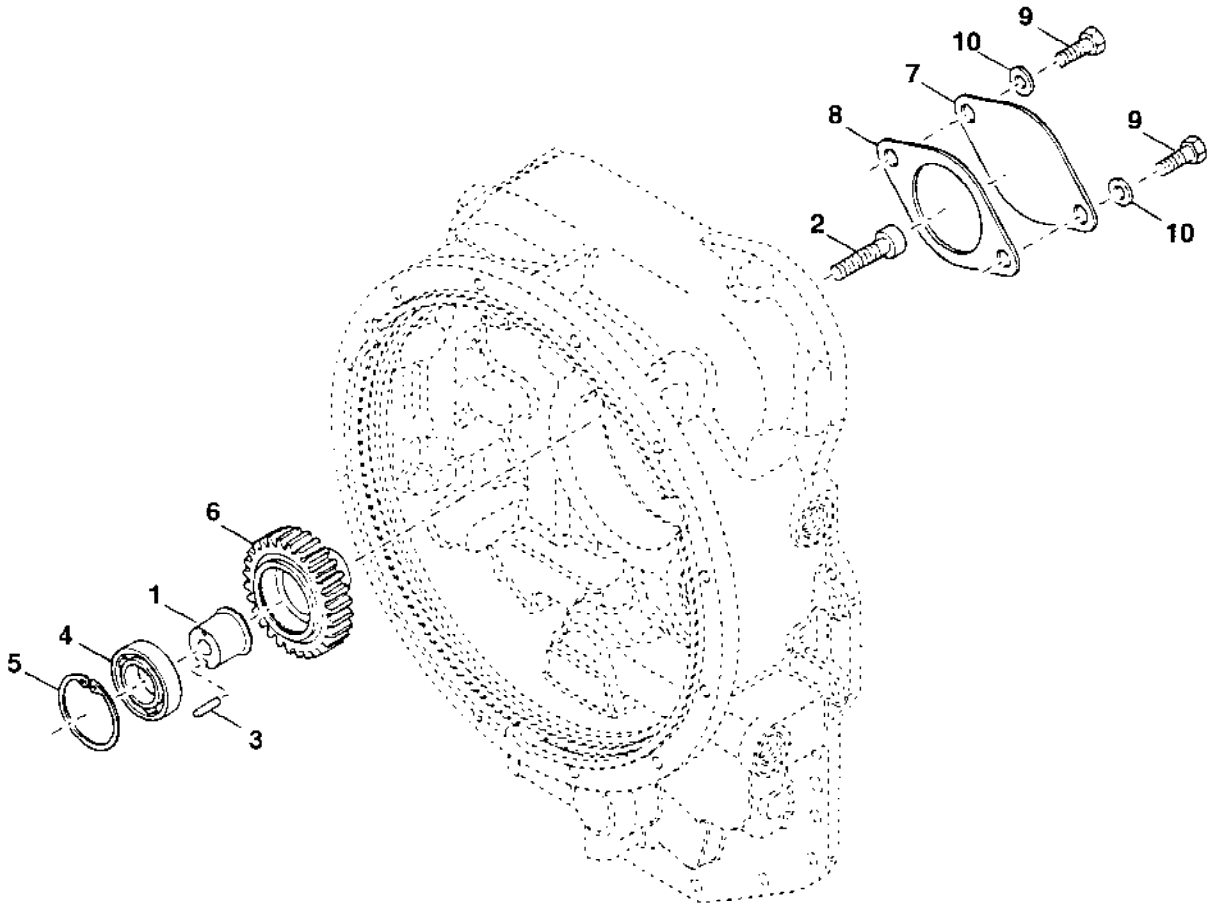
## Torque converter

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938405 | | 1 | Torque converter | |
| 2 | 240666 | | 1 | Bearing | |
| 3 | 938439 | | 1 | Snap ring | |
| 4 | 240584 | | 1 | Plug | |
| 5 | 193677 | | 1 | O-ring | |
| 6 | 240574 | | 1 | Retaining ring | |
| 7 | 938406 | | 2 | Retaining ring | |


5
4
OUTPUT 3 RD
3
LOW
2
FORWARD
1
REVERSE
2ND

## Gear

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938407 | | 1 | Gear | |
| 2 | 938378 | | 1 | Gear | |
| 3 | | | | Not used on this model | |
| 4 | 240690 | | 1 | Gear | |
| 5 | 240688 | | 1 | .Retaining ring | |

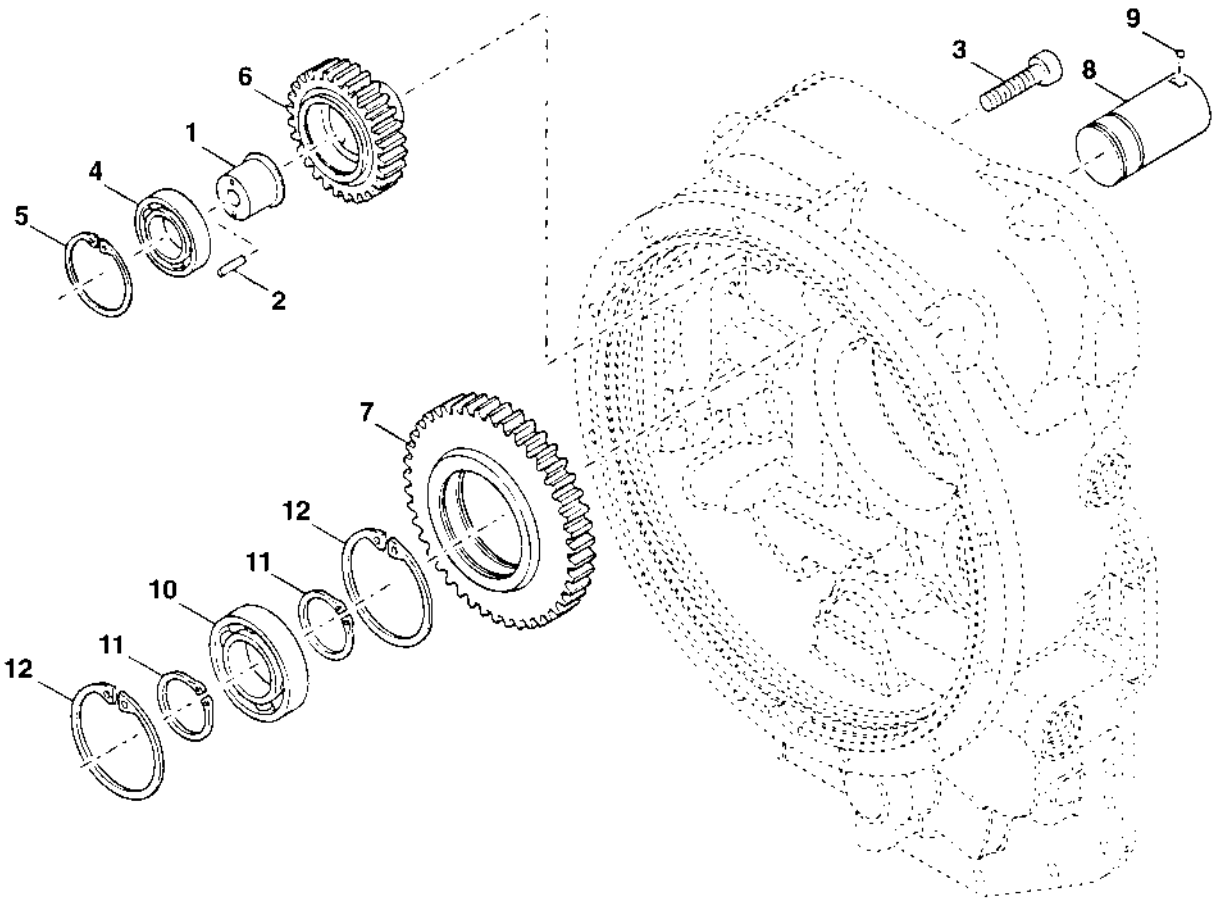

9
10
7
8
9
2
10
6
1
4
5
3

## Auxiliary pump drive

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938408 | | 1 | Bearing support | |
| 2 | 938445 | | 1 | Screw | |
| 3 | 938409 | | 1 | Pin | |
| 4 | 938358 | | 1 | Ball bearing | |
| 5 | 240586 | | 1 | Retaining ring | |
| 6 | 938410 | | 1 | Gear | |
| 7 | 938375 | | 1 | Cover | |
| 8 | 938419 | | 1 | Gasket | |
| 9 | 938356 | | 2 | Screw | |
| 10 | 938437 | | 2 | Washer | |

**Pump drive**

**17301**

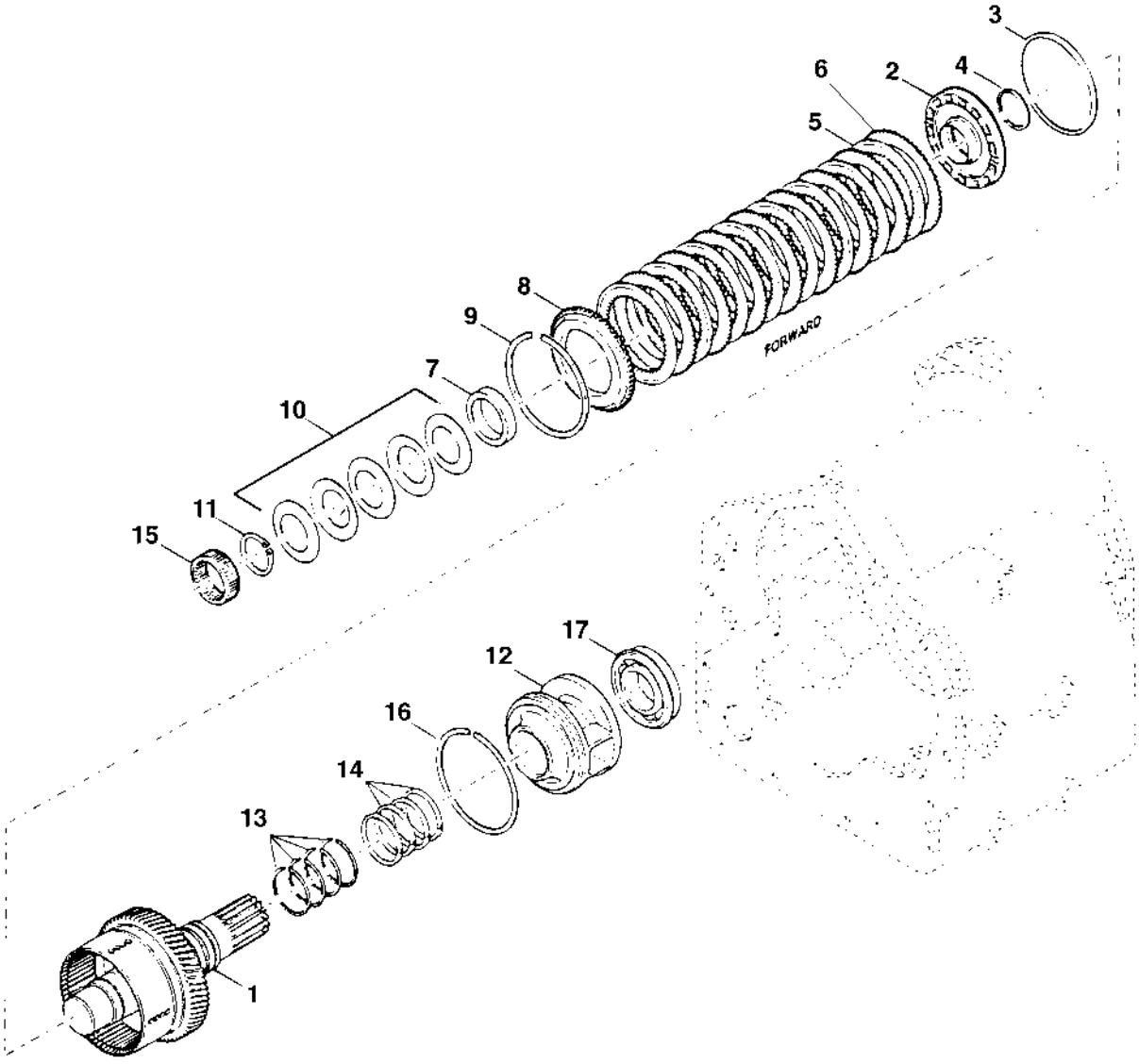


## Pump drive

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938408 | | 1 | Bearing support | |
| 2 | 938409 | | 1 | Pin | |
| 3 | 938445 | | 2 | Screw | |
| 4 | 938358 | | 2 | Ball bearing | |
| 5 | 240586 | | 1 | Retaining ring | |
| 6 | 938411 | | 1 | Gear | |
| 7 | 938412 | | 1 | Gear | |
| 8 | 240662 | | 1 | Shaft | |
| 9 | 193680 | | 1 | Ball | |
| 10 | 938360 | | 1 | Ball bearing | |
| 11 | 240629 | | 2 | Locating ring | |
| 12 | 240588 | | 2 | Retaining ring | |

**Forward shaft**

**17302**

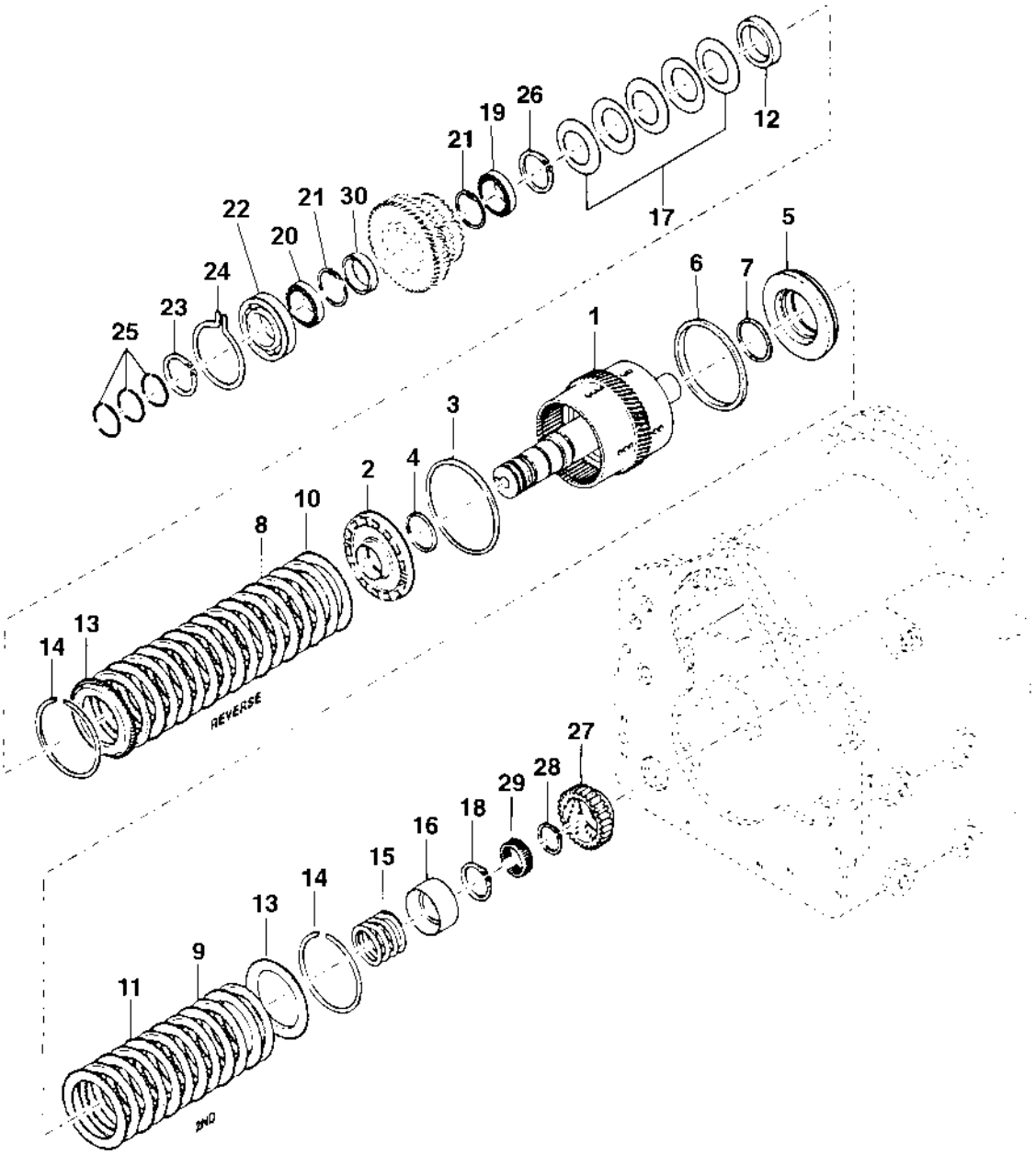


## Forward shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938429 | | 1 | Disc carrier | |
| 2 | 938382 | | 1 | Clutch piston | |
| 3 | 193686 | | 1 | .Seal ring, outer | |
| 4 | 193687 | | 1 | .Seal ring, inner | |
| 5 | 240650 | | 8 | Inner disc | |
| 6 | 240600 | | 8 | Outer disc | |
| 7 | 240651 | | 1 | Spacer | |
| 8 | 240649 | | 1 | Support disc | |
| 9 | 240601 | | 1 | Snap ring | |
| 10 | 193685 | | 1 | Disc spring | |
| 11 | 240655 | | 1 | Snap ring | |
| 12 | 240691 | | 1 | Bushing | |
| 13 | 938362 | | 4 | Piston ring expander | |
| 14 | 938368 | | 4 | Piston ring | |
| 15 | 240636 | | 1 | Needle bearing | |
| 16 | 240637 | | 1 | Retaining ring | |
| 17 | 240695 | | 1 | Bearing | |

## Reverse and 2nd shaft

17303

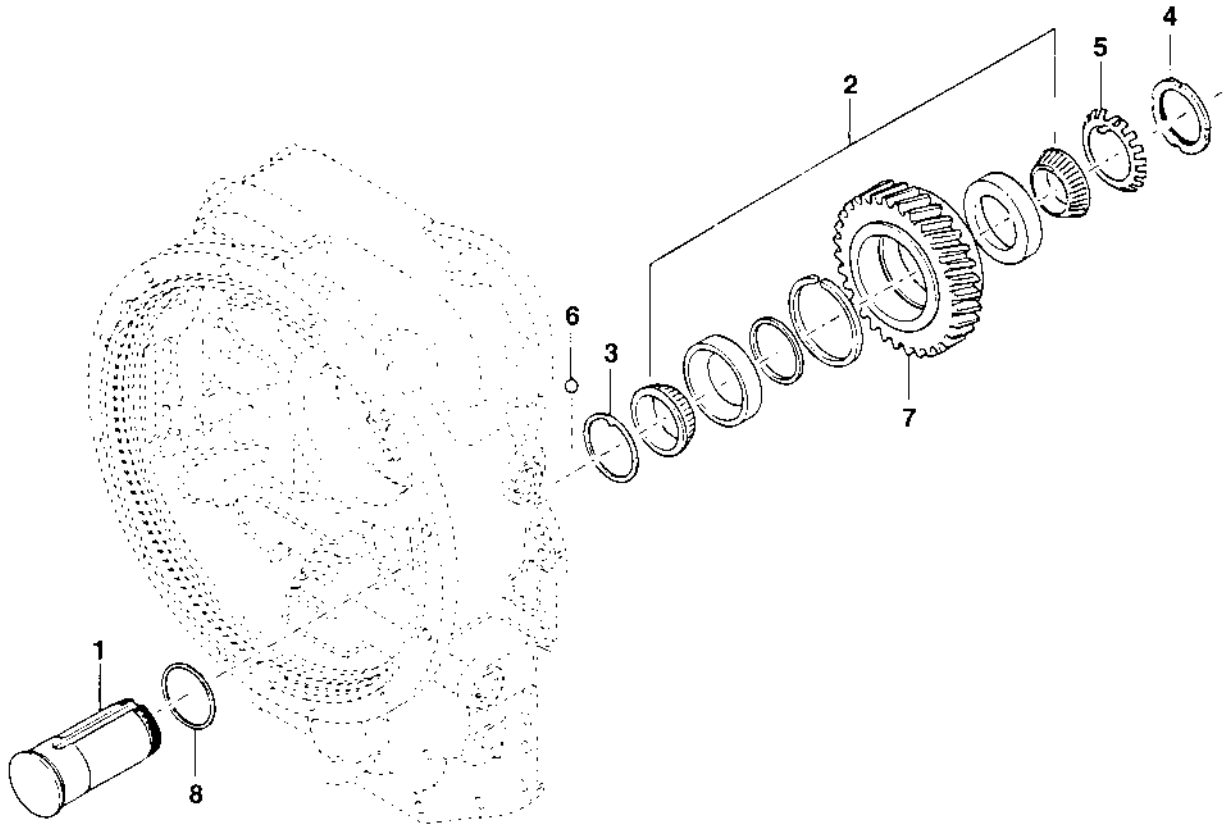


## Reverse and 2nd shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938426 | | 1 | Disc carrier | |
| 2 | 938382 | | 1 | Clutch piston | |
| 3 | 193686 | | 1 | .Seal ring, outer | |
| 4 | 193687 | | 1 | .Seal ring, inner | |
| 5 | 240642 | | 1 | Piston | |
| 6 | 193686 | | 1 | .Seal ring, outer | |
| 7 | 193687 | | 1 | .Seal ring, inner | |
| 8 | 240650 | | 8 | Inner disc | |
| 9 | 240650 | | 6 | Inner disc | |
| 10 | 240600 | | 8 | Outer disc | |
| 11 | 240600 | | 6 | Outer disc | |
| 12 | 240651 | | 1 | Spacer | |
| 13 | 240649 | | 2 | Support disc | |
| 14 | 240601 | | 2 | Snap ring | |
| 15 | 240639 | | 1 | Spring | |
| 16 | 240638 | | 1 | Spring stop | |
| 17 | 193685 | | 1 | Disc spring | |
| 18 | 240626 | | 1 | Snap ring | |
| 19 | 425738967 | | 1 | Bearing | |
| 20 | 425738932 | | 1 | Bearing | |
| 21 | 240602 | | 2 | Retaining ring | |
| 22 | 240585 | | 1 | Bearing | |
| 23 | 193684 | | 1 | Retaining ring | |
| 24 | 240593 | | 1 | Snap ring | |
| 25 | 193683 | | 3 | Piston ring | |
| 26 | 240655 | | 1 | Snap ring | |
| 27 | 938379 | | 1 | Hub | |
| 28 | 240625 | | 1 | Retaining ring | |
| 29 | 240596 | | 1 | Bearing | |
| 30 | 938414 | | 1 | Spacer | |

**Reverse idler**

**17304**

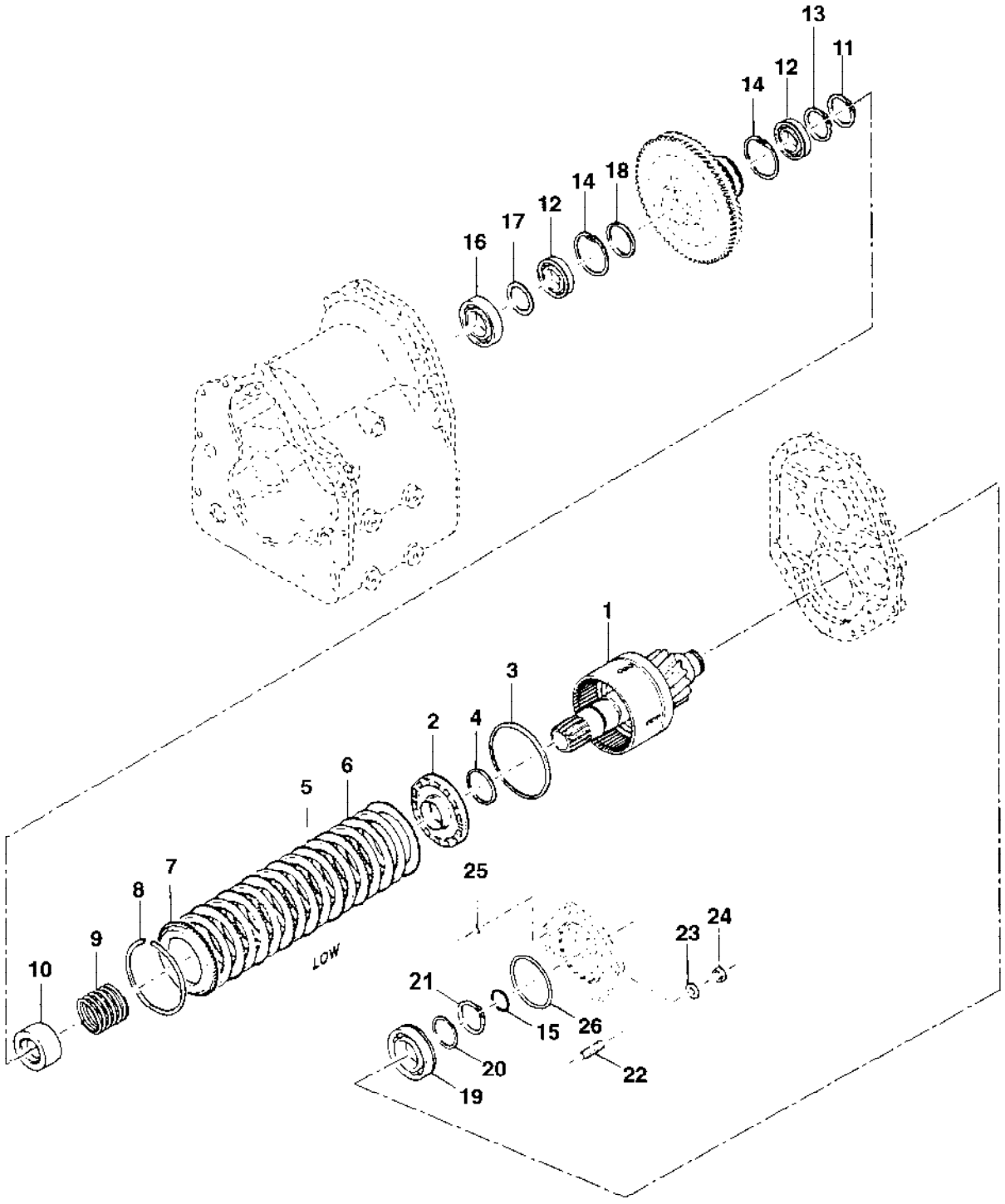


## Reverse idler

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938418 | | 1 | Shaft | |
| 2 | 193709 | | 1 | Bearing | |
| 3 | 938413 | | 1 | Washer | |
| 4 | 938371 | | 1 | Retaining nut | |
| 5 | 938373 | | 1 | Retaining washer | |
| 6 | 240567 | | 1 | Ball | |
| 7 | 938415 | | 1 | Gear | |
| 8 | 938446 | | 1 | O-ring | |

**Low speed shaft**

**17305**

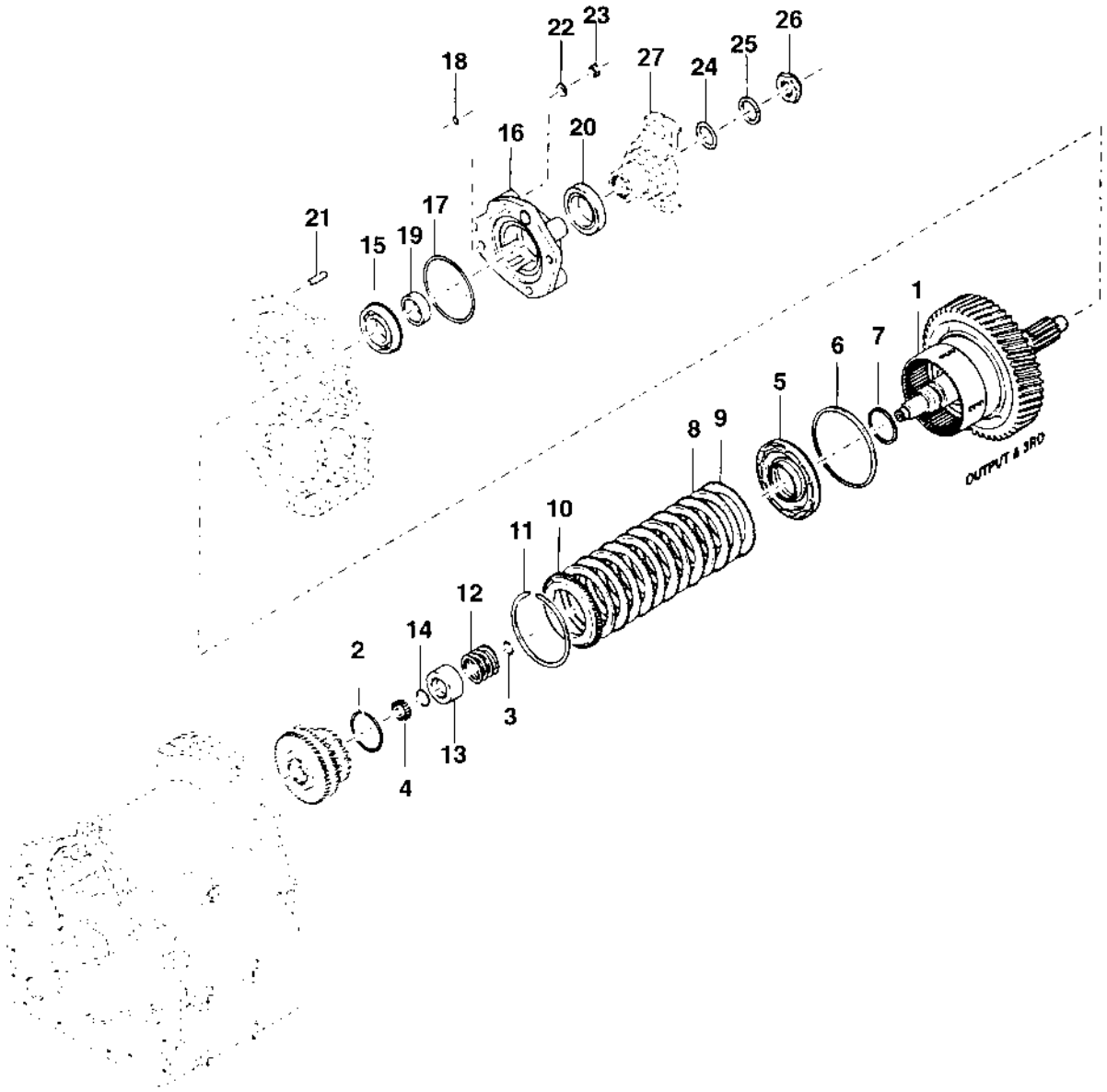


## Low speed shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 240641 | | 1 | Disc carrier | |
| 2 | 938382 | | 1 | Clutch piston | |
| 3 | 193686 | | 1 | .Seal ring, outer | |
| 4 | 193687 | | 1 | .Seal ring, inner | |
| 5 | 240624 | | 8 | Inner disc | |
| 6 | 240600 | | 8 | Outer disc | |
| 7 | 240649 | | 1 | Support disc | |
| 8 | 240601 | | 1 | Snap ring | |
| 9 | 240639 | | 1 | Spring | |
| 10 | 240638 | | 1 | Spring stop | |
| 11 | 240626 | | 1 | Snap ring | |
| 12 | 240592 | | 2 | Bearing | |
| 13 | 240625 | | 1 | Retaining ring | |
| 14 | 240588 | | 2 | Retaining ring | |
| 15 | 193699 | | 1 | Piston ring | |
| 16 | 240591 | | 1 | Bearing | |
| 17 | 240604 | | 1 | Spacer | |
| 18 | 240621 | | 1 | Spacer | |
| 19 | 240681 | | 1 | Bearing | |
| 20 | 240616 | | 1 | Washer | |
| 21 | 240625 | | 1 | Retaining ring | |
| 22 | 193701 | | 4 | Stud | |
| 23 | 938436 | | 4 | Washer | |
| 24 | 193702 | | 4 | Nut | |
| 25 | 193703 | | 1 | O-ring | |
| 26 | 193700 | | 1 | O-ring | |

## Output and 3rd shaft

17306

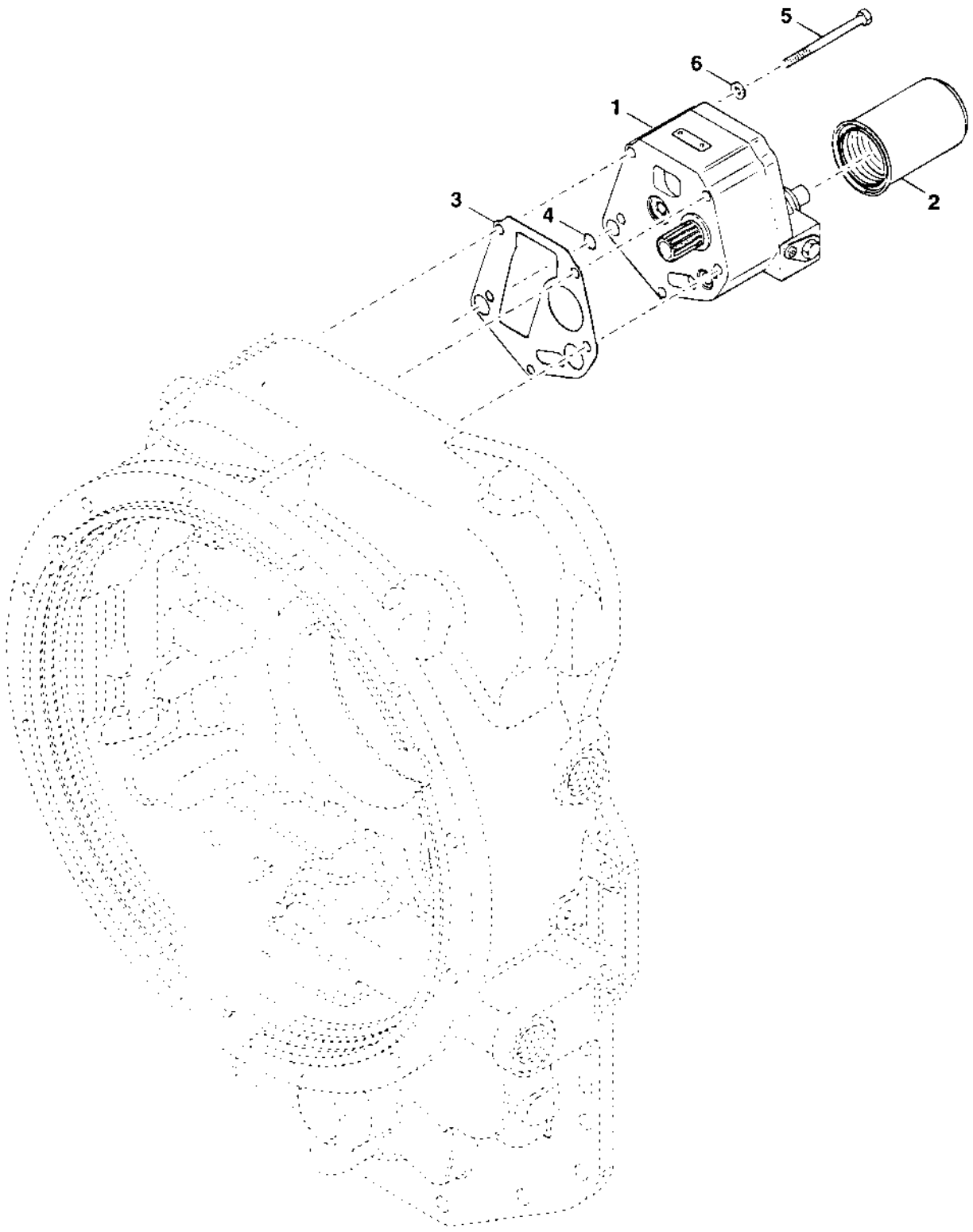


## Output and 3rd shaft

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 240643 | | 1 | Disc carrier | |
| 2 | 240659 | | 1 | Retainer ring | |
| 3 | 193699 | | 1 | Piston ring | |
| 4 | 240603 | | 1 | Needle bearing | |
| 5 | 240642 | | 1 | Piston | |
| 6 | 193686 | | 1 | .Seal ring, outer | |
| 7 | 193687 | | 1 | .Seal ring, inner | |
| 8 | 240650 | | 6 | Inner disc | |
| 9 | 240600 | | 6 | Outer disc | |
| 10 | 240649 | | 1 | Support disc | |
| 11 | 240601 | | 1 | Snap ring | |
| 12 | 240639 | | 1 | Spring | |
| 13 | 240638 | | 1 | Spring stop | |
| 14 | 240626 | | 1 | Snap ring | |
| 15 | 240590 | | 1 | Bearing | |
| 16 | 938361 | | 1 | Bearing cap | |
| 17 | 938442 | | 1 | O-ring | |
| 18 | 938440 | | 1 | O-ring | |
| 19 | 240630 | | 1 | Spacer | |
| 20 | 193710 | | 1 | Oil seal | |
| 21 | 938363 | | 4 | Stud | |
| 22 | 938438 | | 4 | Washer | |
| 23 | 938443 | | 4 | Nut | |
| 24 | 938441 | | 1 | O-ring | |
| 25 | 240570 | | 1 | Washer | |
| 26 | 240581 | | 1 | Nut | |
| 27 | 938471 | | 1 | Flange | |

**Charging pump and filter**

**17307**



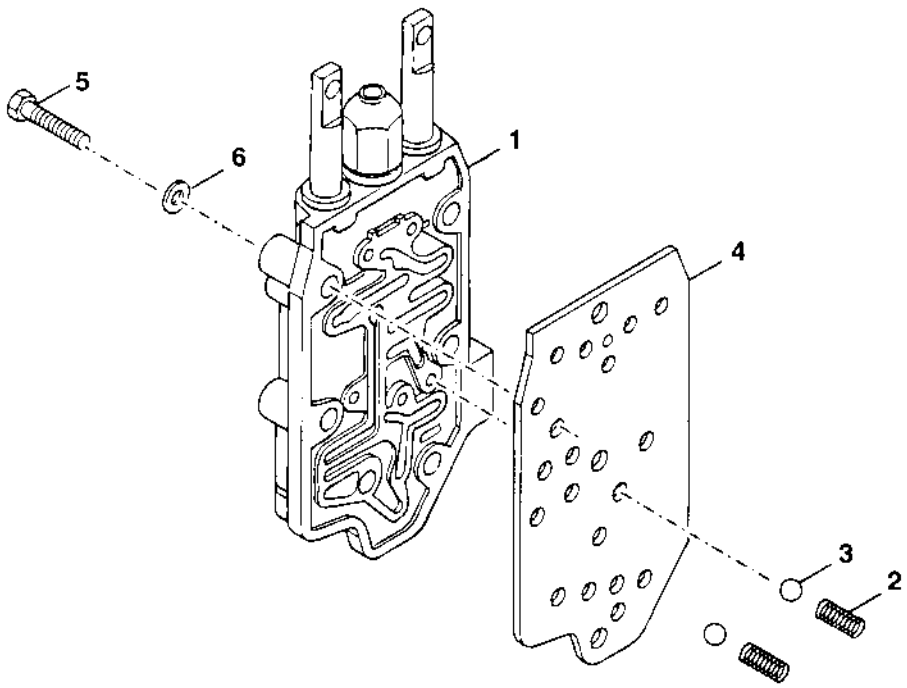
## Charging pump and filter

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938430 | | 1 | Charging pump | |
| 2 | 249993 | A | 1 | Oil filter | A |
| 3 | 193714 | | 1 | Gasket | |
| 4 | 193664 | | 1 | O-ring | |
| 5 | 240565 | | 3 | Screw | |
| | 240566 | | 2 | Screw | |
| 6 | 938436 | | 5 | Washer | |

A) Spin on type

**Control valve**

**17308**

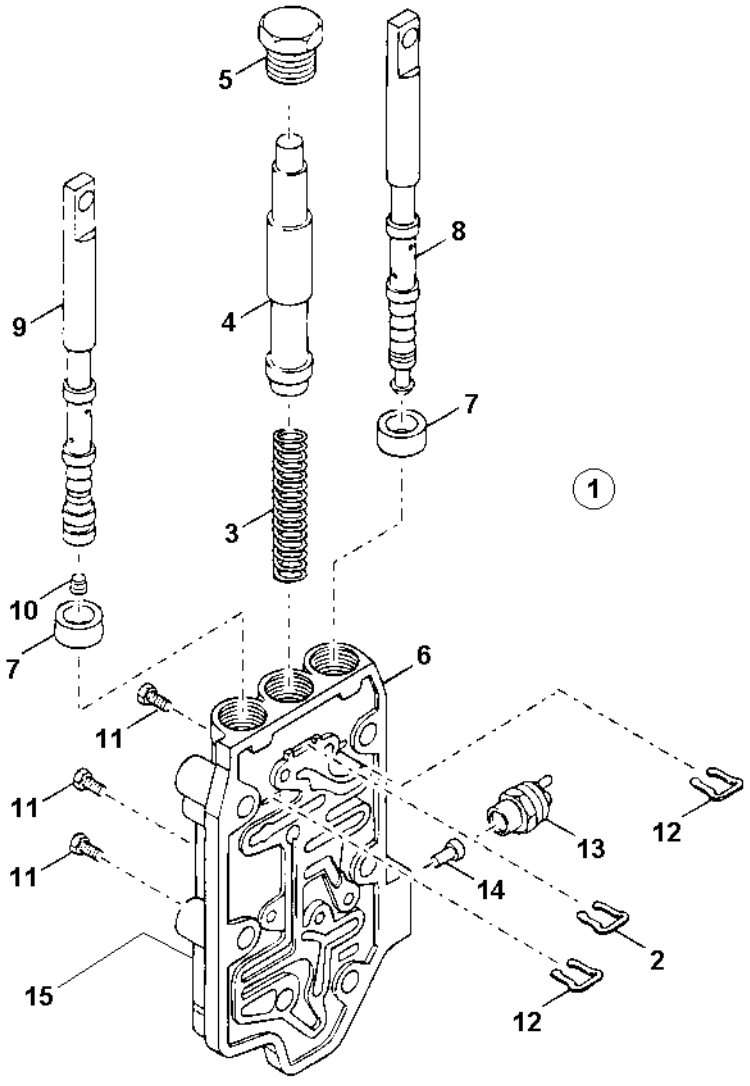


## Control valve

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 240647 | | 1 | Control valve assembly ( Page 126 ) | |
| 2 | 240632 | | 2 | Spring | |
| 3 | 240568 | | 2 | Ball | |
| 4 | 193716 | | 1 | Gasket | |
| 5 | 240562 | | 9 | Screw | |
| 6 | 938435 | | 9 | Washer | |

**240647 Control valve assembly**

**17309-1**



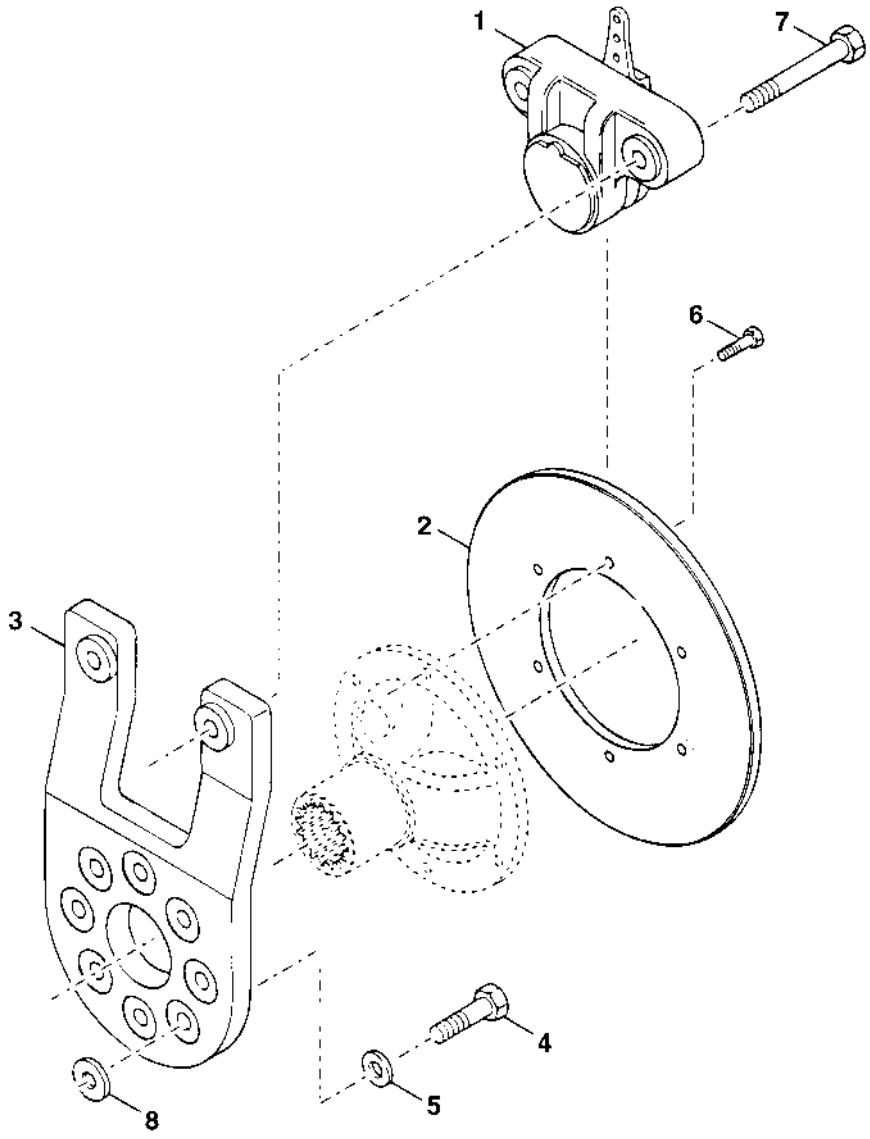
## 240647 Control valve assembly

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | 1 | Control valve, cpl | |
| 2 | 240609 | | 1 | .Clamp | |
| 3 | 240610 | | 1 | .Valve spring | |
| 4 | 240611 | | 1 | .Control piston | |
| 5 | 240685 | | 1 | .Back stop | |
| 6 | 240648 | | 1 | .Control valve, assy | |
| 7 | 193719 | | 1 | ..Oil seal | |
| 8 | 240608 | | 1 | ..Control piston | |
| 9 | 240607 | | 1 | ..Control piston | |
| 10 | 240674 | | 1 | ...Plug | |
| 11 | 240720 | | 4 | ..Plug | |
| 12 | 240609 | | 2 | ..Clamp | |
| 13 | 240598 | A | 1 | ..Switch | |
| 14 | 240599 | | 1 | ..Pin | |
| 15 | 193045 | B | 1 | Sensor | |

A) Neutral start switch
B) Reverse sensor, always sold separately, (not illustrated)

**Disc brake**

**17310**

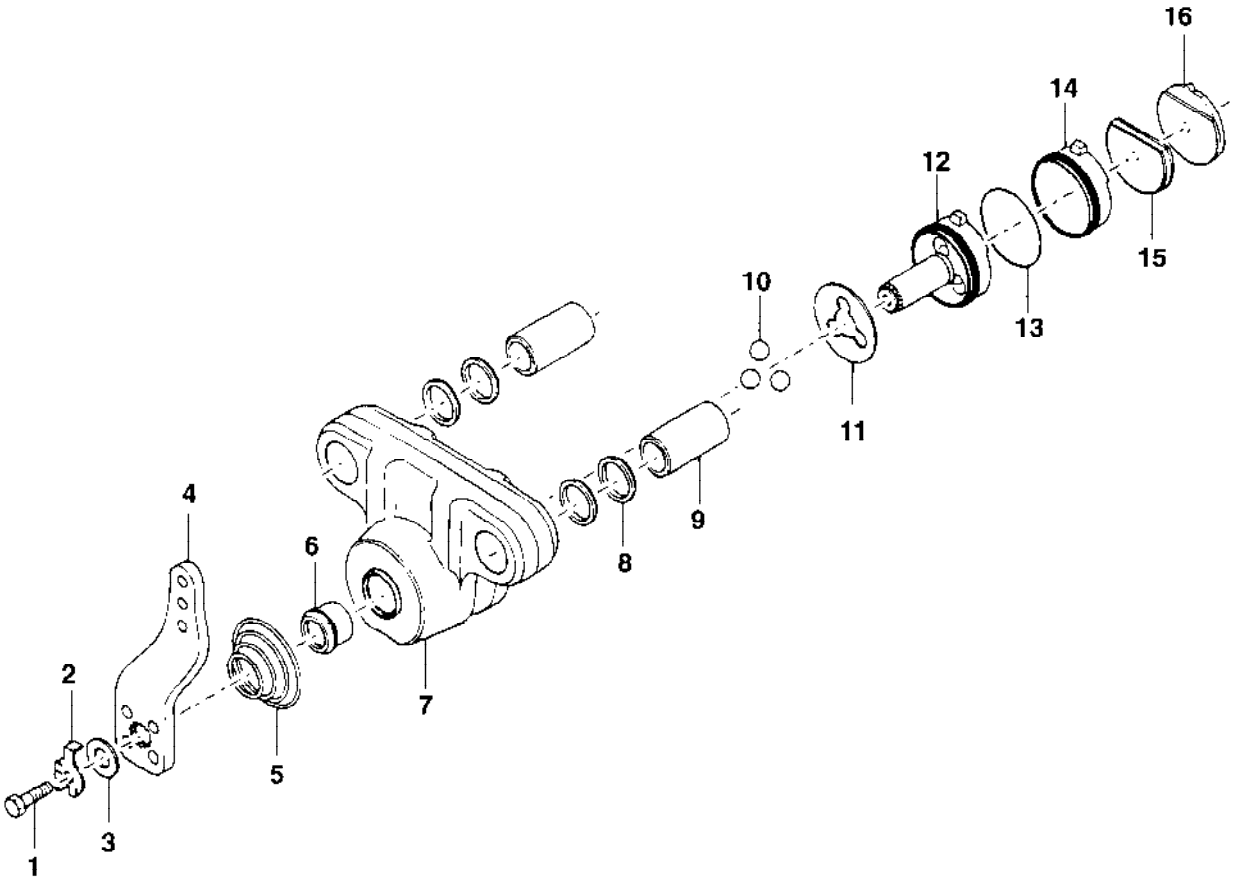


## Disc brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 384385 | | 1 | Caliper disc brake ( Page 168 ) | |
| 2 | 938108 | | 1 | Disc | |
| 3 | 384386 | | 1 | Bracket | |
| 4 | 938354 | | 4 | Screw | |
| 5 | 938374 | | 4 | Washer | |
| 6 | 938355 | | 6 | Screw | |
| 7 | 791237 | | 2 | Screw 5/8-11UNCx76 | |
| 8 | | | | Not used on this model | |

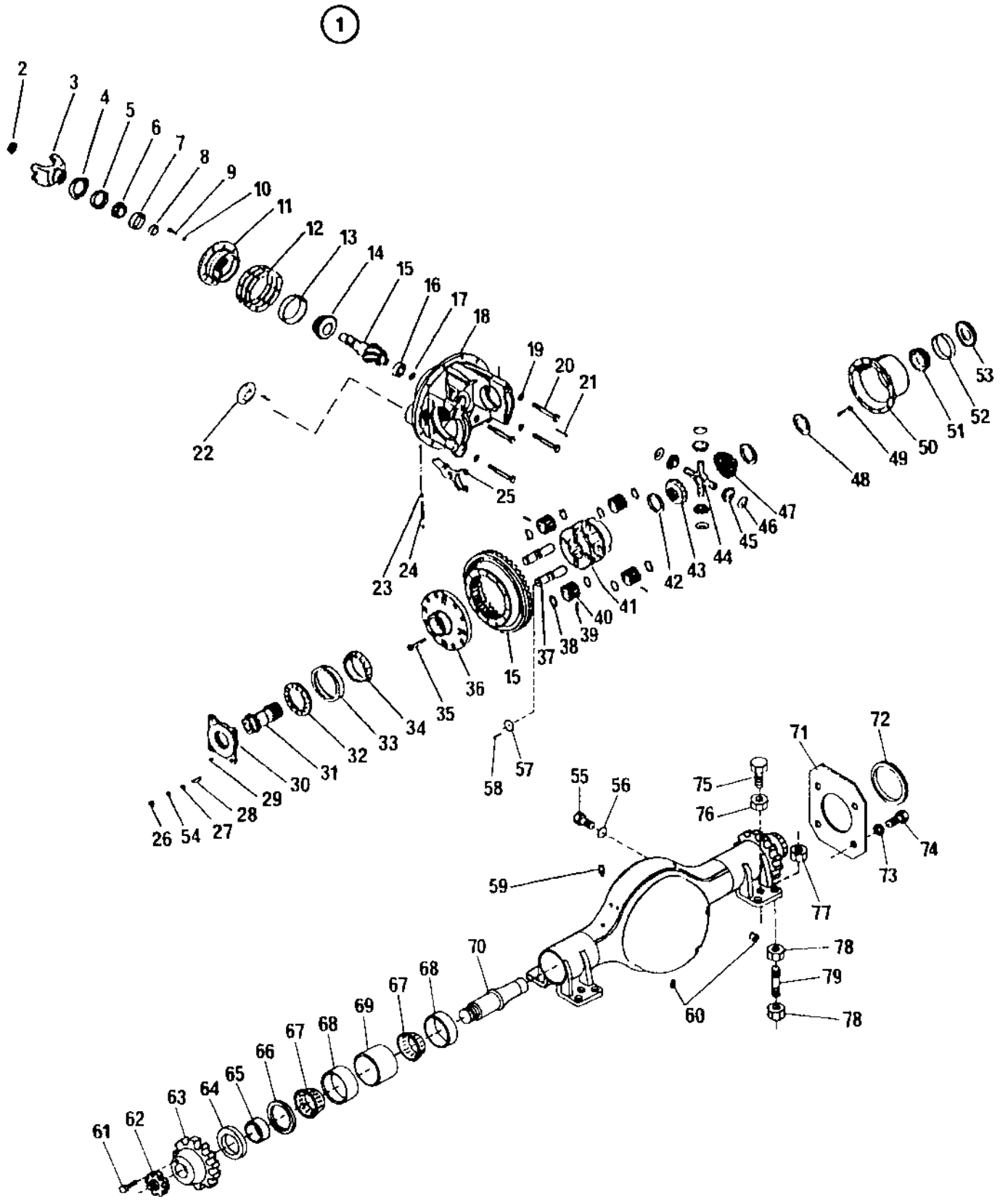
**384385 Caliper disc brake**

**17312**



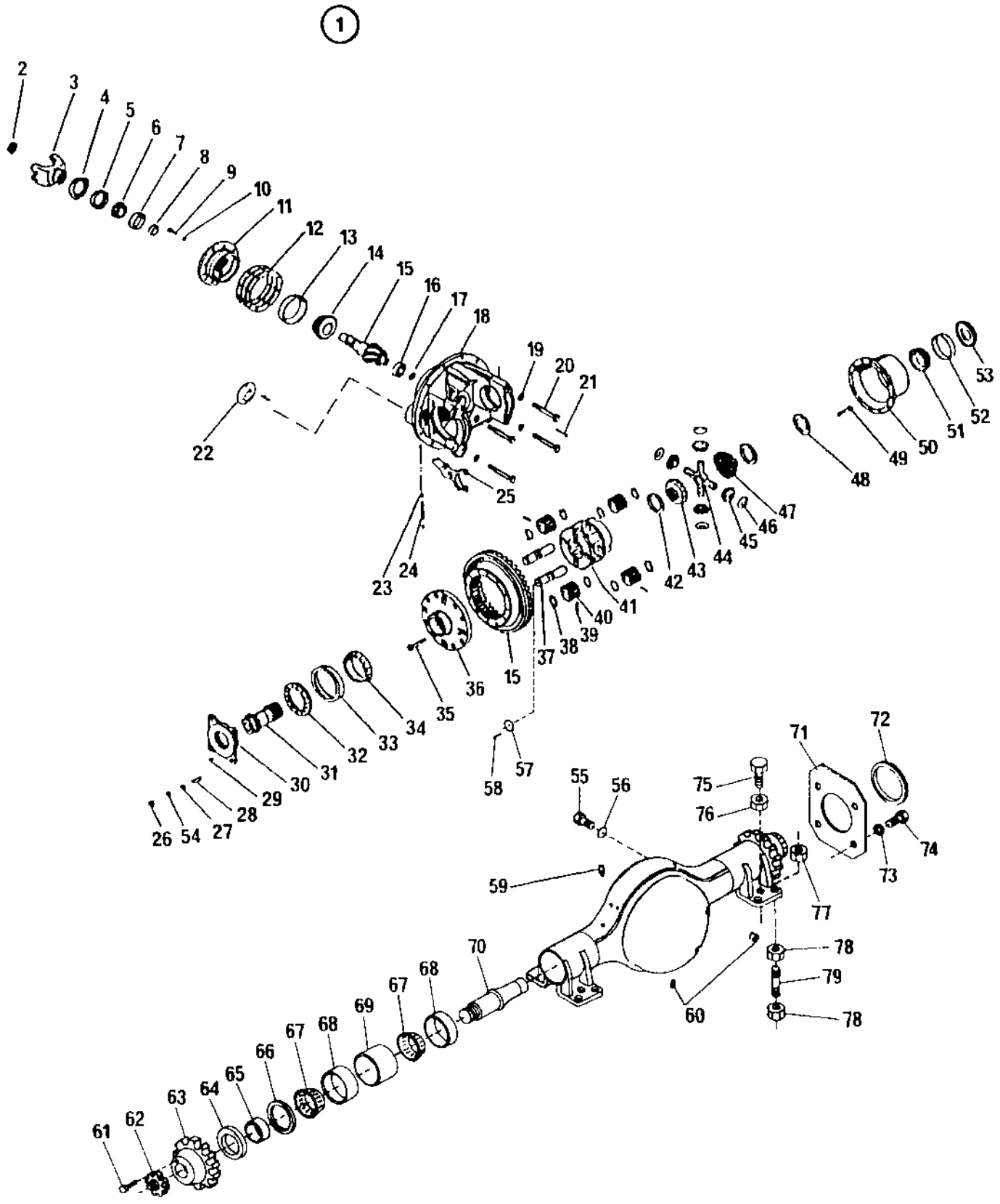
## 384385 Caliper disc brake

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 938385 | | 1 | Screw | |
| 2 | 938386 | | 1 | Clip | |
| 3 | 938387 | | 1 | Washer | |
| 4 | 938388 | | 1 | Lever | |
| 5 | 938389 | | 1 | Spring | |
| 6 | 938390 | | 1 | Shaft seal | |
| 7 | | | 1 | Not Sold Separately | |
| 8 | 938392 | | 4 | O-ring | |
| 9 | 938393 | | 2 | Bushing | |
| 10 | 938394 | | 3 | Ball | |
| 11 | 938395 | | 1 | Ball spacer | |
| 12 | | | 1 | Not Sold Separately | |
| 13 | 938397 | | 1 | Plain bearing | |
| 14 | 938398 | | 1 | Rotor seal | |
| 15 | 938399 | | 1 | Pad, lever side | |
| 16 | 938400 | | 1 | Pad, carrier side | |


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## Differential, Rockwell

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 195150 | | 1 | Differential axle | |
| 2 | 195692 | | 1 | .Nut | |
| 3 | 195722 | | 1 | .Fork link | |
| 4 | 195723 | | 1 | .Deflector | |
| 5 | 195720 | | 1 | .Seal ring | |
| 6 | 923631 | | 1 | .Bearing | D |
| 7 | 268816 | | 1 | .Bearing cup | |
| 8 | 923633 | | 1 | .Shim | |
| 9 | 242480 | | 8 | .Screw | |
| 10 | 195724 | | 8 | .Washer | |
| 11 | 195719 | | 1 | .Pinion housing | |
| 12 | 416278 | | 2 | .Shim 005 | |
| | 416279 | | 1 | .Shim 010 | |
| | 416280 | | 3 | .Shim 003 | |
| 13 | 416361 | | 1 | .Bearing cup | |
| 14 | 416363 | | 1 | .Bearing | D |
| 15 | 195691 | | 1 | .Drive pinion and gear | |
| 16 | 195721 | | 1 | .Bearing | |
| 17 | 416238 | | 1 | .Retaining ring | |
| 18 | 195689 | | 1 | .Differential carrier | |
| 19 | 416250 | | 4 | .Washer | |
| 20 | 195690 | | 4 | .Screw | |
| 21 | 195708 | | 1 | .Counter pin | |
| 22 | 195725 | | 1 | .Diaphragm | |
| 23 | 195718 | | 2 | .Filler cap | |
| 24 | 195717 | | 1 | .Pin | |
| 25 | 195716 | | 1 | .Fork link | |
| 26 | 195715 | | 4 | .Nut | |
| 27 | 195713 | | 4 | .Washer | |
| 28 | 195712 | | 4 | .Stud | |
| 29 | 195709 | | 1 | .Expanding pin | |
| 30 | 195711 | | 1 | .Lock plate | |
| 31 | 195710 | | 1 | .Gear | |
| 32 | 195707 | | 1 | .Adjusting ring | |
| 33 | 267587 | | 1 | .Bearing cup | |
| 34 | 922539 | | 1 | .Bearing | D |
| 35 | 195705 | | 8 | .Screw | |
| 36 | 195704 | | 1 | .Left support | |
| 37 | 195697 | | 4 | .Shaft | |
| 38 | 195700 | | 8 | .Washer | |
| 39 | 195702 | | 4 | .Expanding pin | |
| 40 | 195701 | | 4 | .Planet pinion | |
| 41 | 195693 | | 1 | .Differential carrier | |
| 42 | 416243 | | 2 | .Washer | |
| 43 | 195695 | | 1 | .Differential side gear | |
| 44 | 416296 | | 1 | .Cross | D |
| 45 | 242500 | | 4 | .Differential pinion | |
| 46 | 416245 | | 4 | .Washer | |
| 47 | 195694 | | 11 | .Differential side gear | |
| 48 | 416243 | | 1 | .Washer | |
| 49 | 195696 | | 12 | .Screw | |
| 50 | 195703 | | 1 | .Right support | |
| 51 | 242493 | | 1 | .Bearing cone | |
| 52 | 242492 | | 1 | .Bearing cup | |
| 53 | 195706 | | 1 | .Adjusting ring | |
| 54 | 195714 | | 4 | .Washer | |
| 55 | 922524 | | 8 | .Screw | |
| | 192655 | | 4 | .Screw | |
| 56 | 813953 | | 12 | .Washer | |

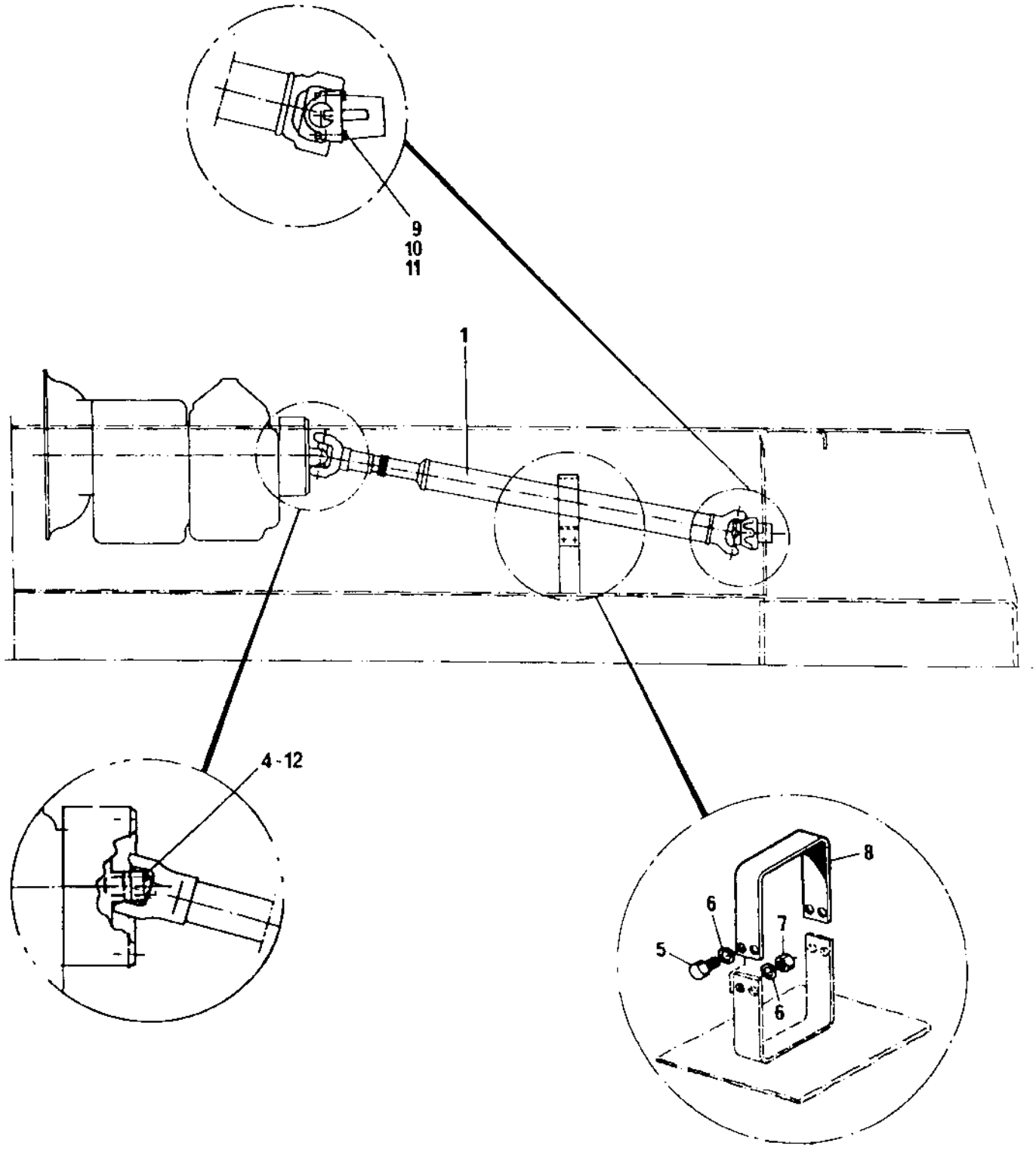

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 57 | 195698 | | 4 | .Spacer | |
| 58 | 195699 | | 200 | .Roller | |
| 59 | 415280 | | 1 | .Breather | |
| 60 | 195726 | | 2 | .Magnetic plug | |
| 61 | 195729 | | 2 | .Lock screw | |
| 62 | 195730 | | 2 | .Adjusting nut | |
| 63 | 195731 | | 2 | .Gear | |
| 64 | 195733 | | 2 | .Seal ring | |
| 65 | 195372 | | 2 | .Floor | |
| 66 | 195734 | | 2 | .Snap ring | |
| 67 | 195735 | | 4 | .Bearing cone | |
| 68 | 195736 | | 4 | .Bearing cup | |
| 69 | 195737 | | 2 | .Spacer | |
| 70 | 195739 | C | 1 | .Axle drive shaft | |
| | 195738 | D | 1 | .Axle drive shaft | |
| 71 | 195034 | | 1 | .Cover | |
| 72 | 195740 | | 1 | .Sealing | |
| 73 | 195741 | | 8 | .Washer 5/16" | |
| 74 | 195742 | | 4 | .Screw | |
| 75 | 503133 | | 4 | .Screw | |
| 76 | 572007 | | 4 | .Nut | |
| 77 | 586009 | | 8 | .Nut | |
| 78 | 571007 | | 16 | .Nut | |
| 79 | 252914 | | 8 | .Stud | |

C) Left
D) Right

**Cardan shaft assembly up to SN 22620342**

**16240-1**

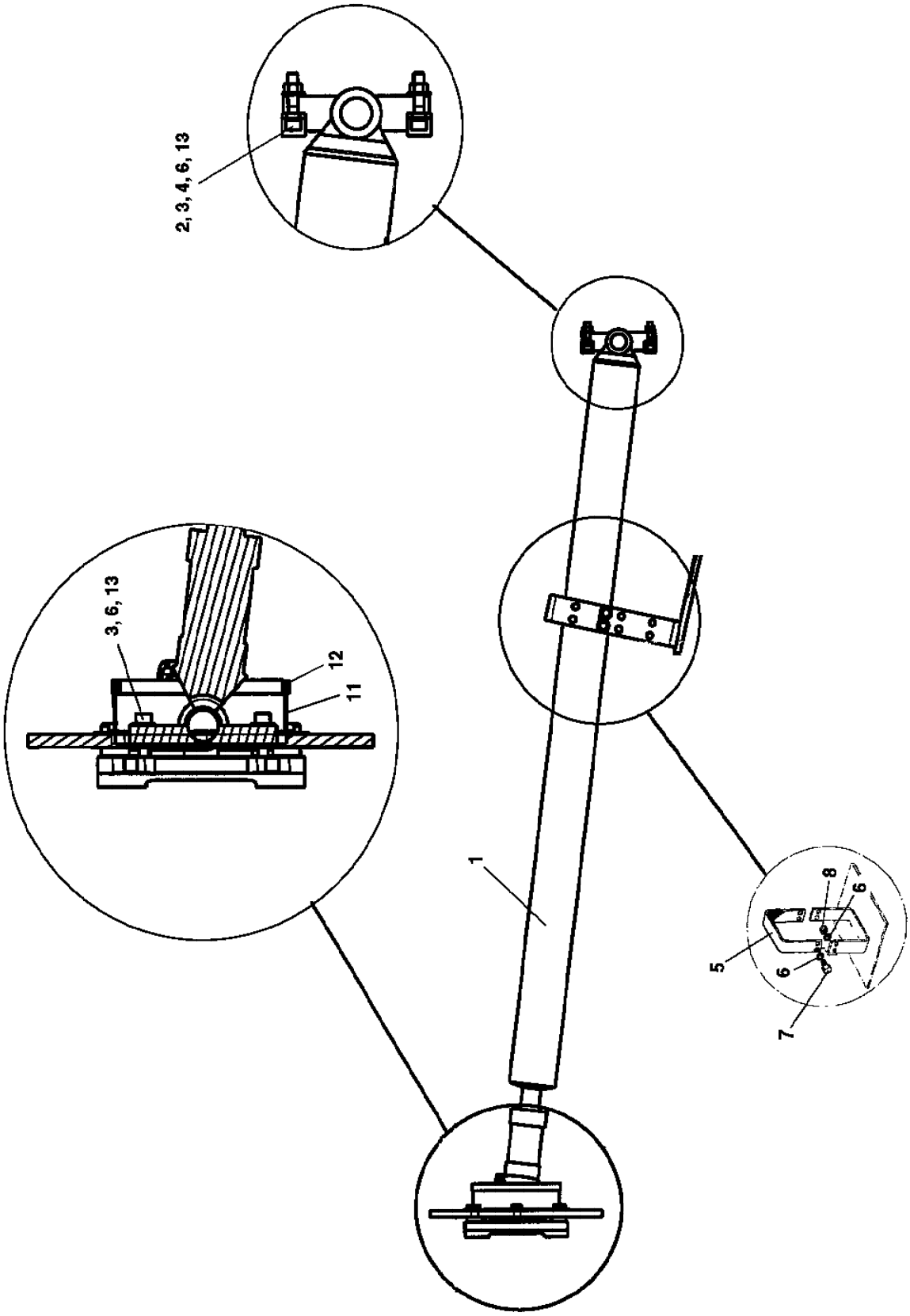


## Cardan shaft assembly up to SN 22620342

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 195236 | | 1 | Cardan shaft | |
| 4 | 503027 | | 4 | Screw UNF 3/8-24x45 | |
| 5 | 500028 | | 4 | Screw M10-1,5x25 8,8 | |
| 6 | 600008 | | 8 | Washer | |
| 7 | 570006 | | 4 | Nut M10 | |
| 8 | 268154 | | 1 | Protection | |
| 9 | 195233 | | 4 | Screw | |
| 10 | 904358 | | 4 | Nut UNF | |
| 11 | 195152 | | 2 | Clamp | |
| 12 | 604006 | | 8 | Washer | |

**Cardan shaft assembly from SN 22620343**

**17497**



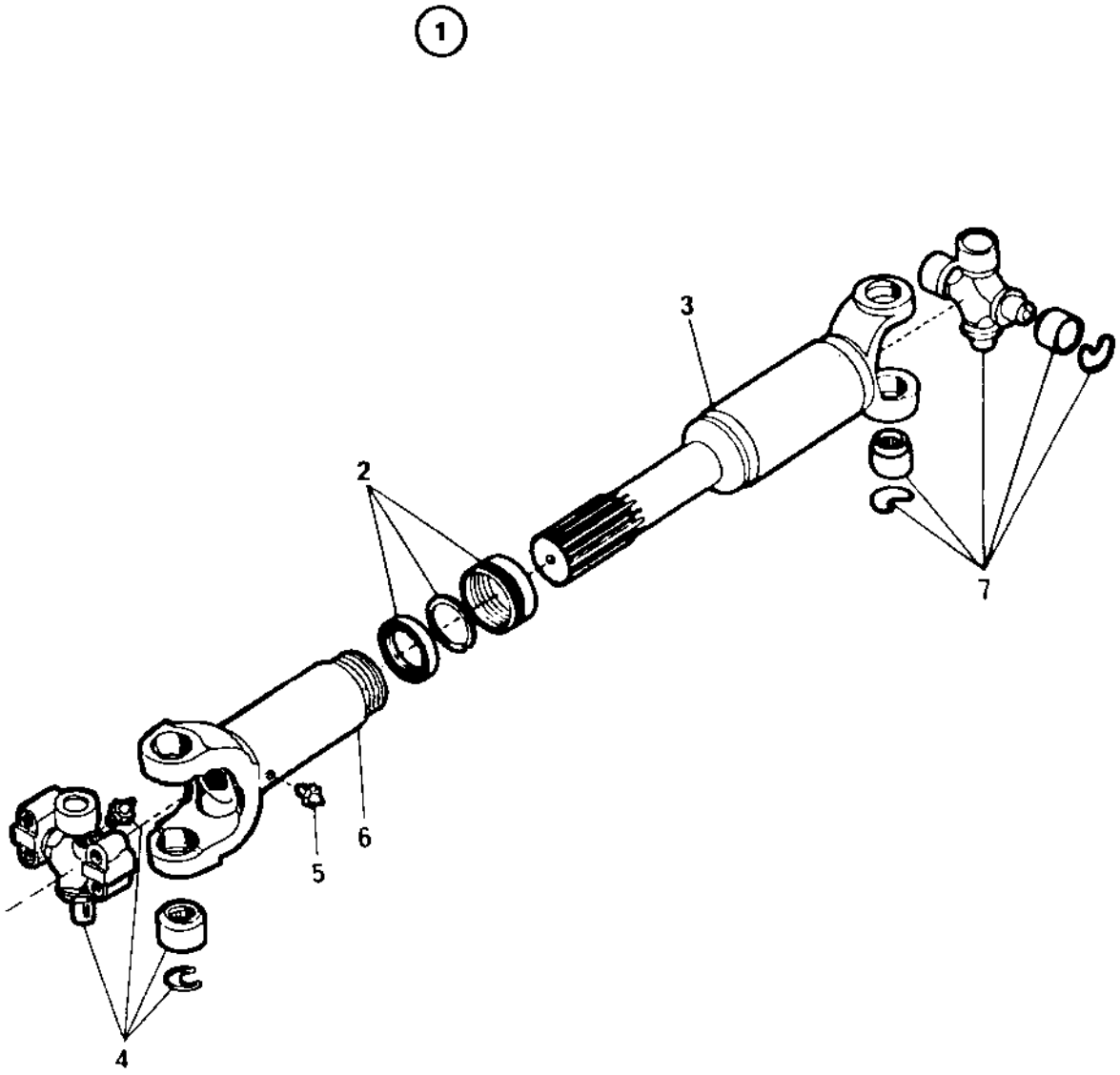
## Cardan shaft assembly from SN 22620343

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 195236 | | 1 | Cardan shaft | |
| 2 | 195152 | | 2 | Clamp | |
| 3 | 510023 | | 8 | Screw UNF | |
| 4 | 904358 | | 4 | Nut UNF | |
| 5 | 268154 | | 1 | Protection | |
| 6 | 904230 | | 16 | Washer 10,5x22x2 | |
| 7 | 500028 | | 4 | Screw M10-1,5x25 8,8 | |
| 8 | 570006 | | 4 | Nut M10 | |
| 11 | 384861 | | 1 | Splash guard | |
| 12 | 202028 | A | 1 | Edge trim | |
| 13 | 902541 | B | | Lock fluid Loctite 243, 50 ml | |

A) L=0,6 m
B) Quantity as required

**Cardan shaft, Albarus**

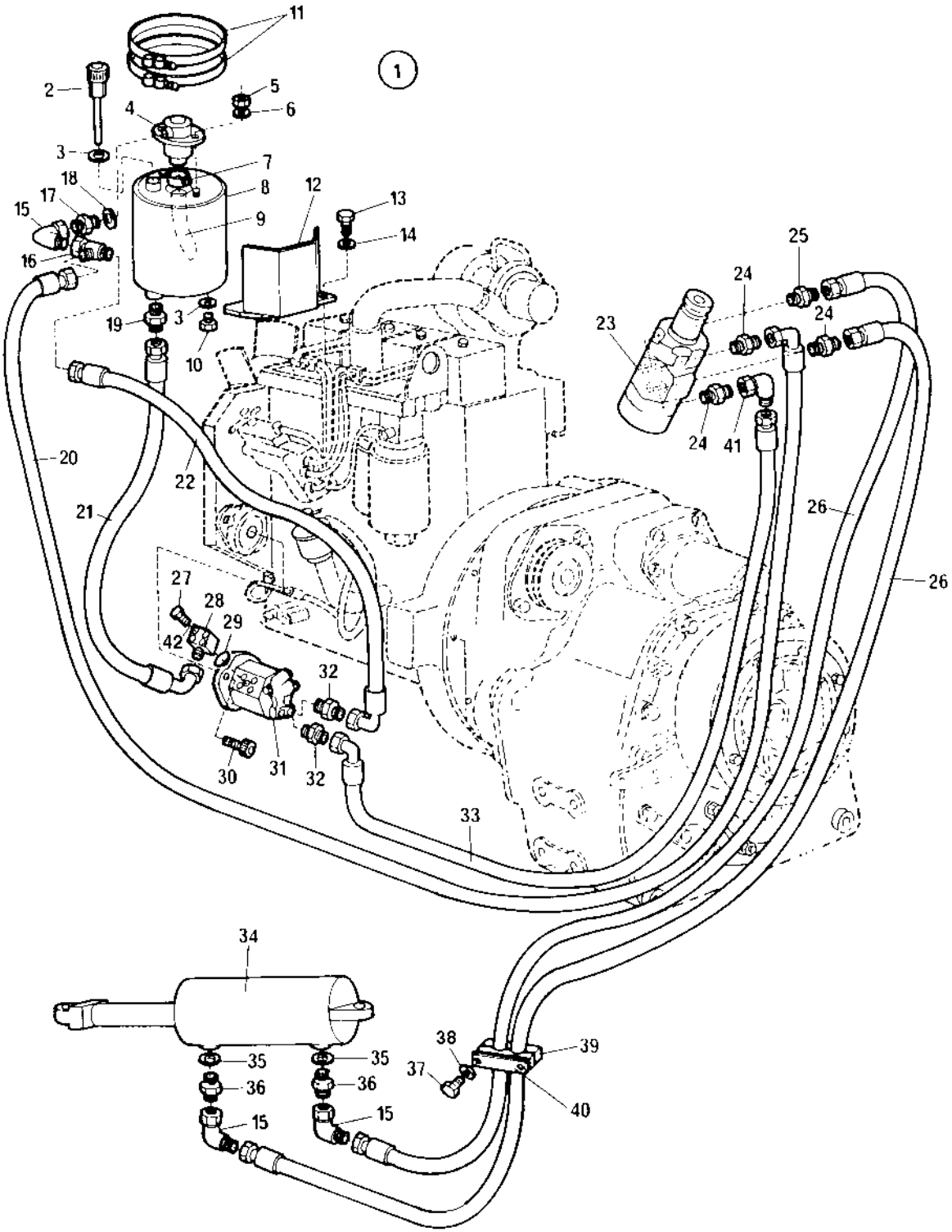
**16241**



## Cardan shaft, Albarus

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 195236 | | 1 | Cardan shaft | |
| 2 | 195314 | | 1 | .Seal kit | |
| 3 | | | 1 | .Tube shaft | |
| 4 | 927988 | | 1 | .Universal joint cross | D |
| 5 | 310028 | | 1 | .Grease nipple | D |
| 6 | 195315 | | 1 | .Slip yoke | |
| 7 | 195749 | | 1 | .Universal joint cross | D |

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 10 | | | | Steering system up to SN 22620322 ( Page 182 ) | |
| 15 | | | | Steering system from SN 22620323 ( Page 190 ) | |

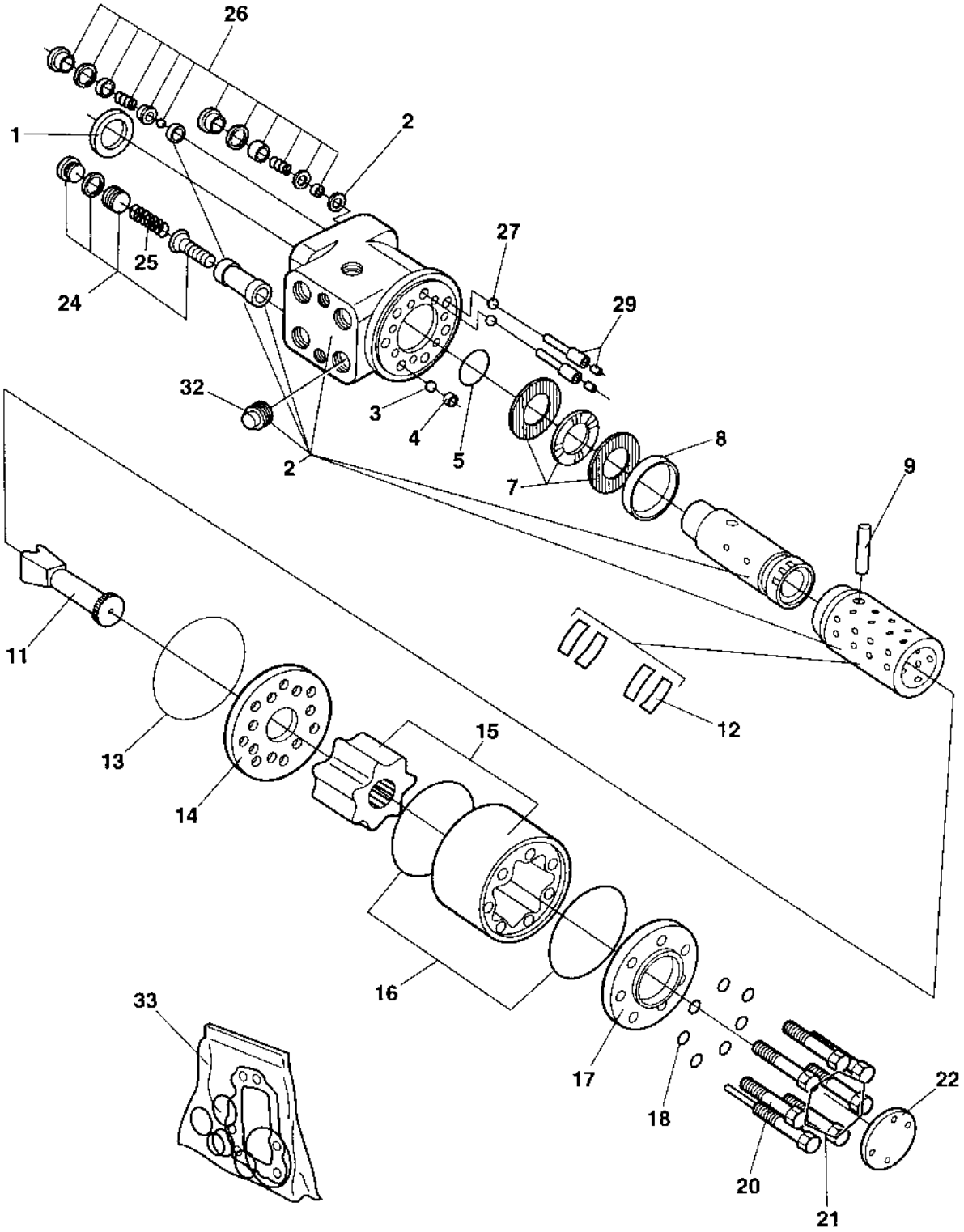

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| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 241846 | | 1 | Hydraulic oil tank, CPL | |
| 2 | 499373 | | 1 | .Air cleaner | |
| 3 | 330331 | | 2 | .Washer 18,2x23,9x1,5 | |
| 4 | 912081 | | 1 | .Filter, cpl | |
| | 499474 | | 1 | ..Filter element | |
| 5 | 570005 | | 2 | .Nut M8 | |
| 6 | 604005 | | 2 | .Spring washer | |
| 7 | 313006 | | 1 | .Hose clamp | |
| 8 | 241848 | | 1 | .Hydraulic oil tank | |
| 9 | 244034 | | 1 | .Hose | |
| 10 | 232160 | | 1 | .Plug | |
| 11 | 194339 | | 2 | Clamp | |
| 12 | 194178 | | 1 | Support | |
| 13 | 500029 | | 3 | Screw M10-1,5x30 8,8 | |
| 14 | 904230 | | 3 | Washer 10,5x22x2 | |
| 15 | 334197 | | 2 | Elbow 90 | |
| 16 | 334135 | | 1 | T-connector | |
| 17 | 234941 | | 1 | Adapter | |
| 18 | 330331 | | 1 | Washer 18,2x23,9x1,5 | |
| 19 | 334157 | | 1 | Straight connector | |
| 20 | 482732 | | 1 | Hydraulic hose | |
| 21 | 192188 | | 1 | Hydraulic hose | |
| 22 | 242030 | | 1 | Hydraulic hose | |
| 23 | 375455 | | 1 | Steering valve ( Page 184 ) | D |
| 24 | 334116 | | 3 | Straight o-ring connector | |
| 25 | 334204 | D,I | 1 | Reducer | |
| | 334137 | D,J | 1 | Adapter | |
| 26 | 191787 | | 2 | Hydraulic hose | |
| 27 | 500089 | D,H | 4 | Screw M6x70 | |
| | 500088 | F | 4 | Screw M6x40 | |
| 28 | 268851 | D,E | 1 | Connection | |
| | 904786 | G | 1 | Flange adapter | |
| 29 | 813457 | | 1 | O-ring | |
| 30 | 508013 | | 2 | Screw | |
| 31 | 191788 | | 1 | Steering pump If not available; use 376548 | |
| 32 | 334121 | | 2 | Straight connector | |
| 33 | 242175 | | 1 | Hydraulic hose | |
| 34 | | | 1 | Steering cylinder ( Page 186 ) | |
| 35 | | A | 2 | Seal ring | |
| 36 | 334116 | B,C | 2 | Straight o-ring connector | |
| 37 | 500189 | | 2 | Screw | |
| 38 | 904228 | | 4 | Washer 6,4x12x1,5 | |
| 39 | 192223 | | 1 | Hose fixing | |
| 40 | 241431 | | 1 | Plate | |
| 41 | 334197 | | 1 | Elbow 90 | |
| 42 | 904228 | | 4 | Washer 6,4x12x1,5 | |

A) Earlier seal ring 330397 and nipple 269207 are together replaced by adapter 334116
B) With o-ring and backup ring
C) Replaces earlier nipple 269207 and seal ring 330397
D) Old version
E) Replaced by 904786 together with screw 500088
F) Together with flange adapter 904786
G) Together with screw 500088
H) Together with connection 268851
I) Together with adapter 334137
J) Together with reducer 334204

**375455 Steering valve**

**16436**



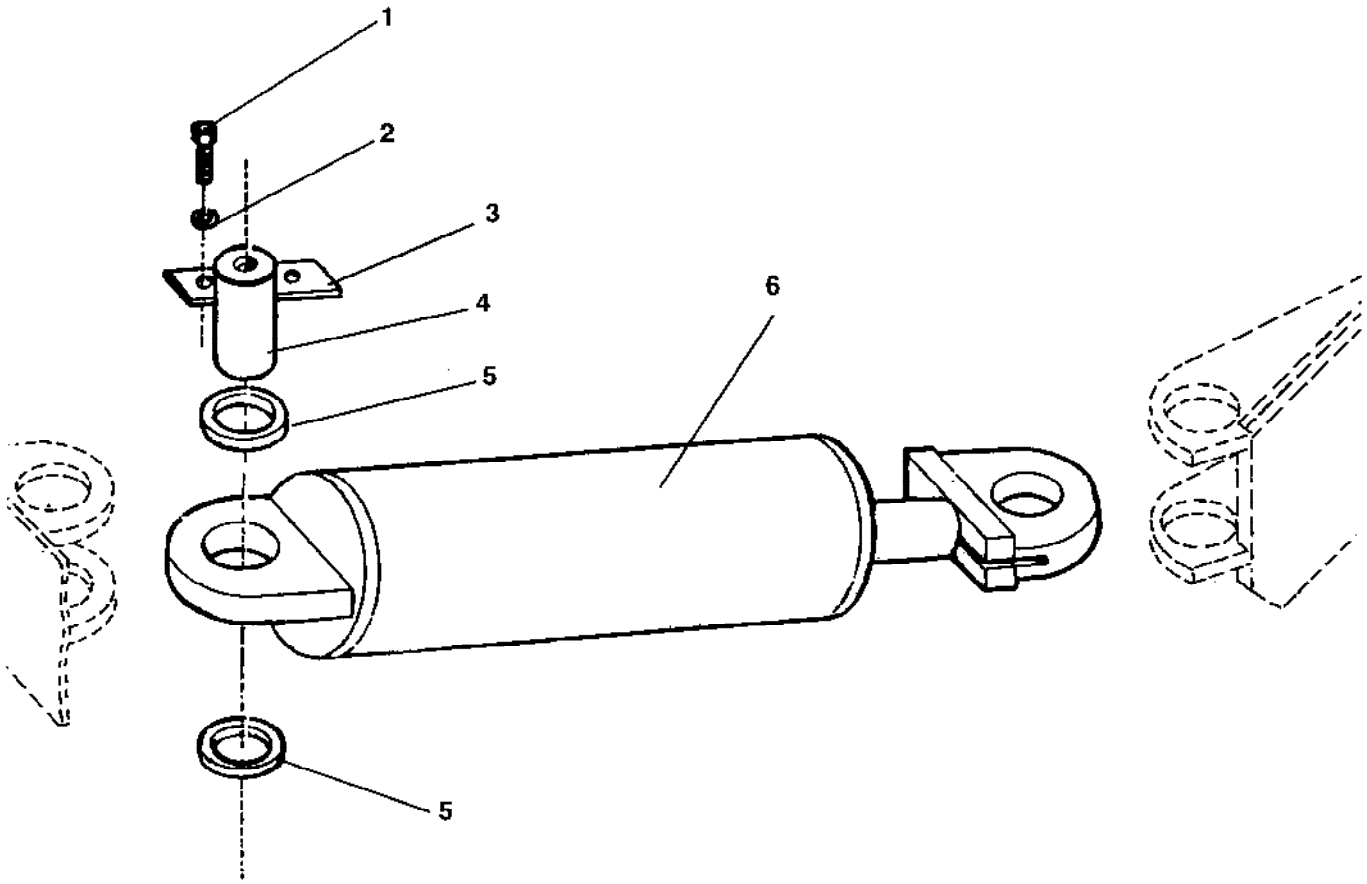
## 375455 Steering valve

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 936487 | A | 1 | Dust seal ring | |
| 2 | | | 1 | Housing, spool and sleeve | |
| 3 | 480468 | | 1 | Ball | |
| 4 | 480446 | | 1 | Threaded bushing | D |
| 5 | 908780 | A | 1 | O-ring | |
| 7 | 911620 | | 1 | Bearing | D |
| 8 | 480449 | | 1 | Ring | |
| 9 | 480447 | | 1 | Cross pin | |
| 11 | 902861 | | 1 | Cardan shaft | |
| 12 | 911618 | | 1 | Spring kit | D |
| 13 | 936488 | A | 1 | O-ring | |
| 14 | 902862 | | 1 | Valve plate | |
| 15 | 936489 | | 1 | Gear wheel set | |
| 16 | 936490 | A | 2 | O-ring | |
| 17 | 480450 | | 1 | End cap | |
| 18 | 936491 | A | 7 | Washer | |
| 20 | 936492 | | 1 | Screw with pin | |
| 21 | 936493 | | 6 | Screw | |
| 22 | 936494 | | 1 | Name plate | |
| 24 | 929010 | | 1 | Relief valve 17,0-17,5MPa | D |
| 25 | 936495 | | 1 | Spring wire | |
| 26 | 929012 | | 2 | Shock valve 22,5-24,0 MPa | |
| 27 | 929013 | | 2 | Ball | |
| 29 | 929014 | | 2 | Rolled pin | |
| 32 | 908782 | | 1 | Valve | |
| 33 | 908783 | B | 1 | Seal kit | D |

A) Included in kit, item 33
B) Not included in PN 375455

**Steering cylinder**

**16257-1**

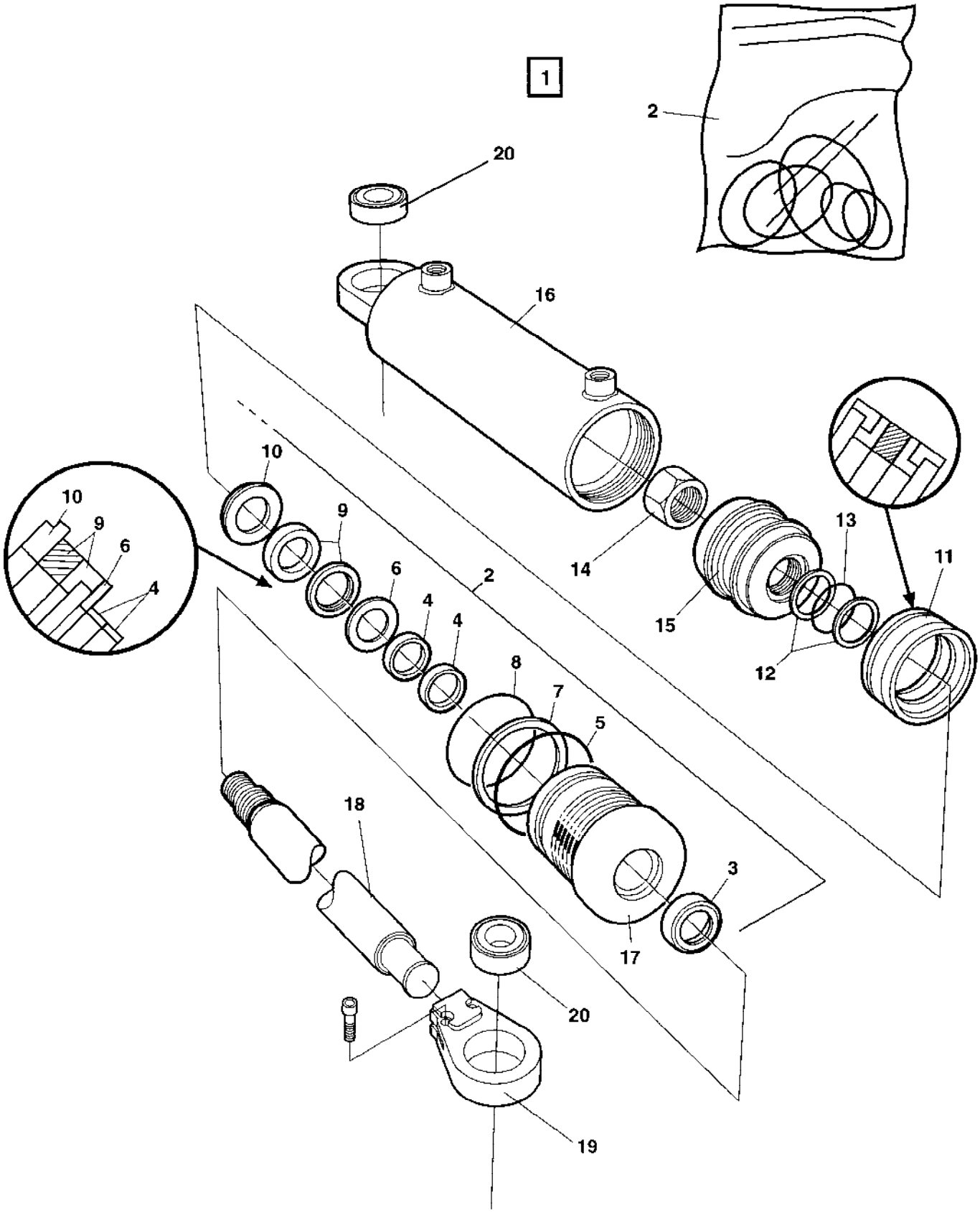


## Steering cylinder

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | 500051 | | 4 | Screw M12-1,75x25 8,8 | |
| 2 | 604009 | | 4 | Washer | |
| 3 | 259211 | | 2 | Snap plate | |
| 4 | 257139 | | 2 | Shaft | |
| 5 | 259215 | | 4 | Spacer ring | |
| 6 | 376059 | | 1 | Steering cylinder ( Page 188 ) | |

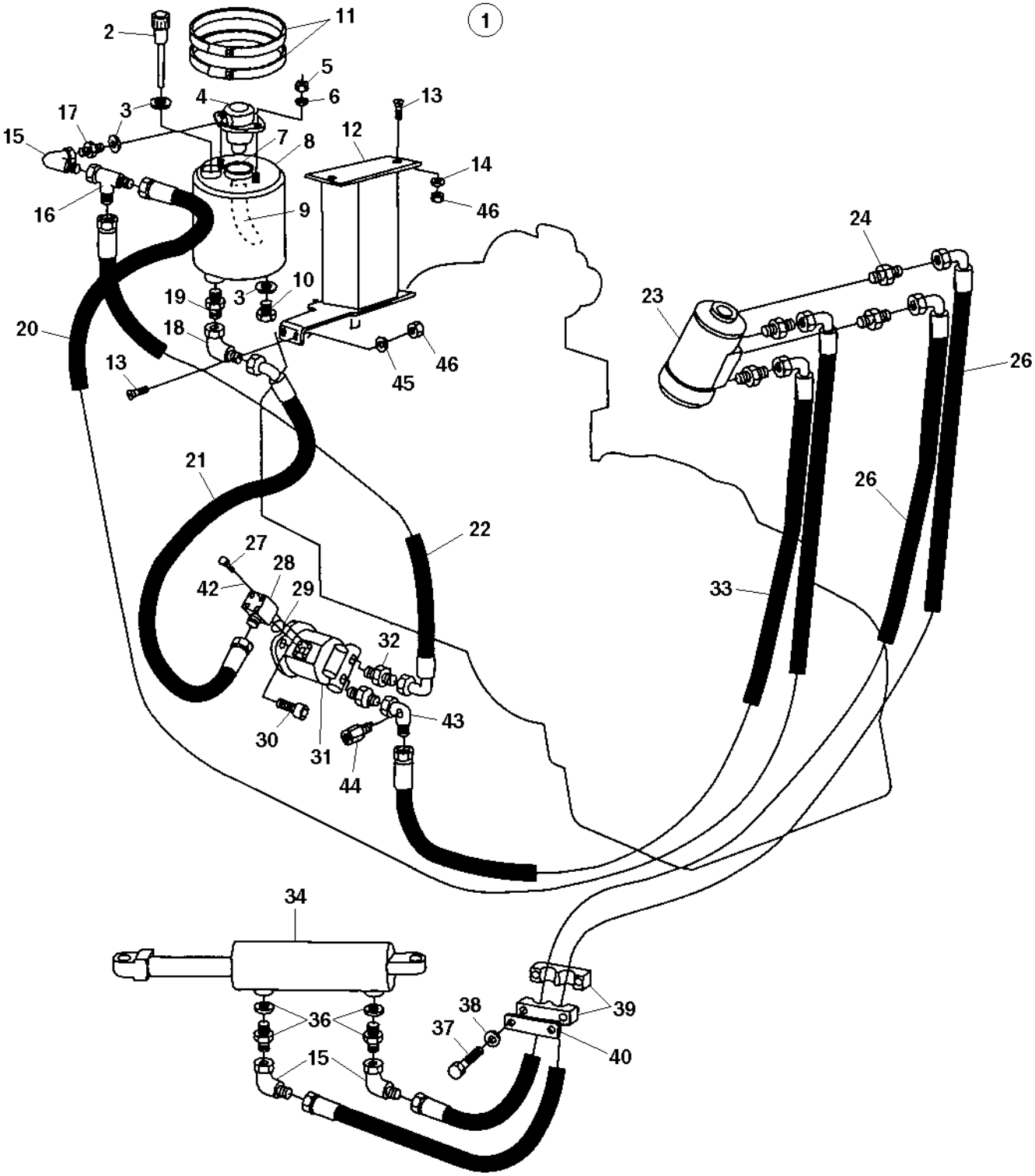
376059 Steering cylinder

16634



## 376059 Steering cylinder

| Ref. No. | Part No. | Rem. | Qty | Description | Code |
|---|---|---|---|---|---|
| 1 | | | 1 | Steering cylinder, cpl | |
| 2 | 936703 | | 1 | .Seal kit | D |
| 3 | 936700 | | 1 | .Shear wiper | |
| 4 | 936699 | | 2 | .Guide ring | |
| 5 | 160033 | | 1 | .O-ring | D |
| 6 | 936697 | | 1 | .Back-up ring | |
| 7 | 903289 | | 1 | .Back-up ring | |
| 8 | 160032 | | 1 | .O-ring | D |
| 9 | 936696 | | 1 | .Piston rod sealing | |
| 10 | 936695 | | 1 | .Snap ring | |
| 11 | 926326 | | 1 | .Piston seal | |
| 12 | 904141 | | 2 | .Back-up ring | |
| 13 | 160013 | | 1 | .O-ring | |
| 14 | 904142 | | 1 | .Lock nut | |
| 15 | 904143 | | 1 | .Piston block | |
| 16 | 936694 | | 1 | .Cylinder tube | |
| 17 | 936698 | | 1 | .Guide | |
| 18 | 936701 | | 1 | .Piston rod | |
| 19 | 936702 | | 1 | .Link head | |
| 20 | 901691 | | 2 | .Bushing | D |


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