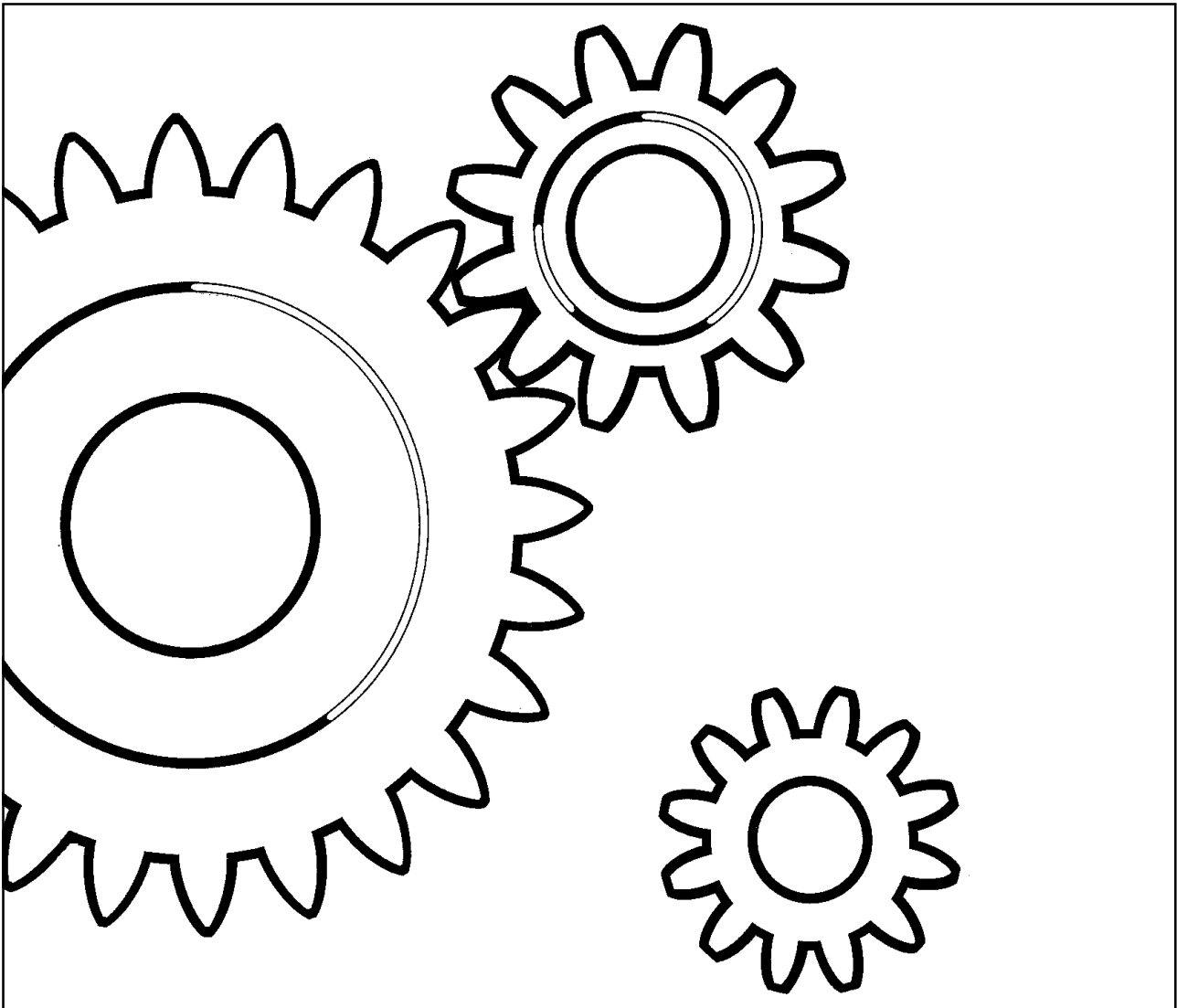


DYNAPAC CP221

SPARE PARTS CATALOGUE

SCP221-1EN4



DYNAPAC

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Pneumatic Tire Roller CP221

Spare Parts Catalogue SCP221-1EN4

Valid from roller serial number:

22620221* - *22620277

Diesel engines:

CUMMINS 4BT 3.9C

CUMMINS 4BT 3.9C Elite

Published catalogue issues valid for these rollers:

<i>Catalogue</i>	<i>Issue date</i>	<i>Valid for serial numbers</i>
<i>SCP221EN1</i>	<i>1998-05</i>	<i>Replaced by SCP221EN2</i>
<i>SCP221EN2</i>	<i>1999-03</i>	<i>Replaced by SCP221-1EN1</i>
<i>SCP221-1EN1</i>	<i>1999-06</i>	<i>Replaced by SCP221-1EN2</i>
<i>SCP221-1EN2</i>	<i>2002-07</i>	<i>Replaced by SCP221-1EN3</i>
<i>SCP221-1EN3</i>	<i>2003-05</i>	<i>Replaced by SCP221-1EN4</i>
<i>SCP221-1EN4</i>	<i>2004-11</i>	<i>See above</i>



RESERVDELSBESTÄLLNING

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

1. Maskintyp.
2. Vältensserienummer.
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 N°)
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 N°)
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 N°)
5. Denominación de la pieza. (Denomination)
6. Indíquese la medida al solicitar un artículo que se expide por metros.

COMMANDE DE PIÉCES DE RECHANGE

Les indications suivantes doivent être fournies lors de la commande de pièces 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 pièce de rechange. (Part N°)
5. Dénomination de la pièce 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					Metso Dynapac AB
Cooling system					
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	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	

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

Changes

PARTS INFO	SERVICE INFO	GROUP	PAGE	NOTES

Notes

Notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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 pärm.
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 pärm för **FÖREGÅENDE** utgåva av denna katalog.
4. Kasta detta papper.

KATALOG-BESCHRIFTUNG

Zur Vermeidung von Fehlen bei der Ersatzteilbestellung benutzen Sie bitte die unteren Beschriftungen, um die Kataloge auf der Rückseite zu kennzeichnen. Auf der Beschriftung ist angegeben, 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, kennzeichnen Sie damit bitte die **ÄLTERE** Ausführung dieses Kataloges.
4. Den Rest dieses Blattes bitte vernichten.

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.

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.

ETICHETTAPOSTASULRACCOGLITORE

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 macchine 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.

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'édition **PRECEDENTE** du catalogue.
4. Détruire cetta feuille.

1.



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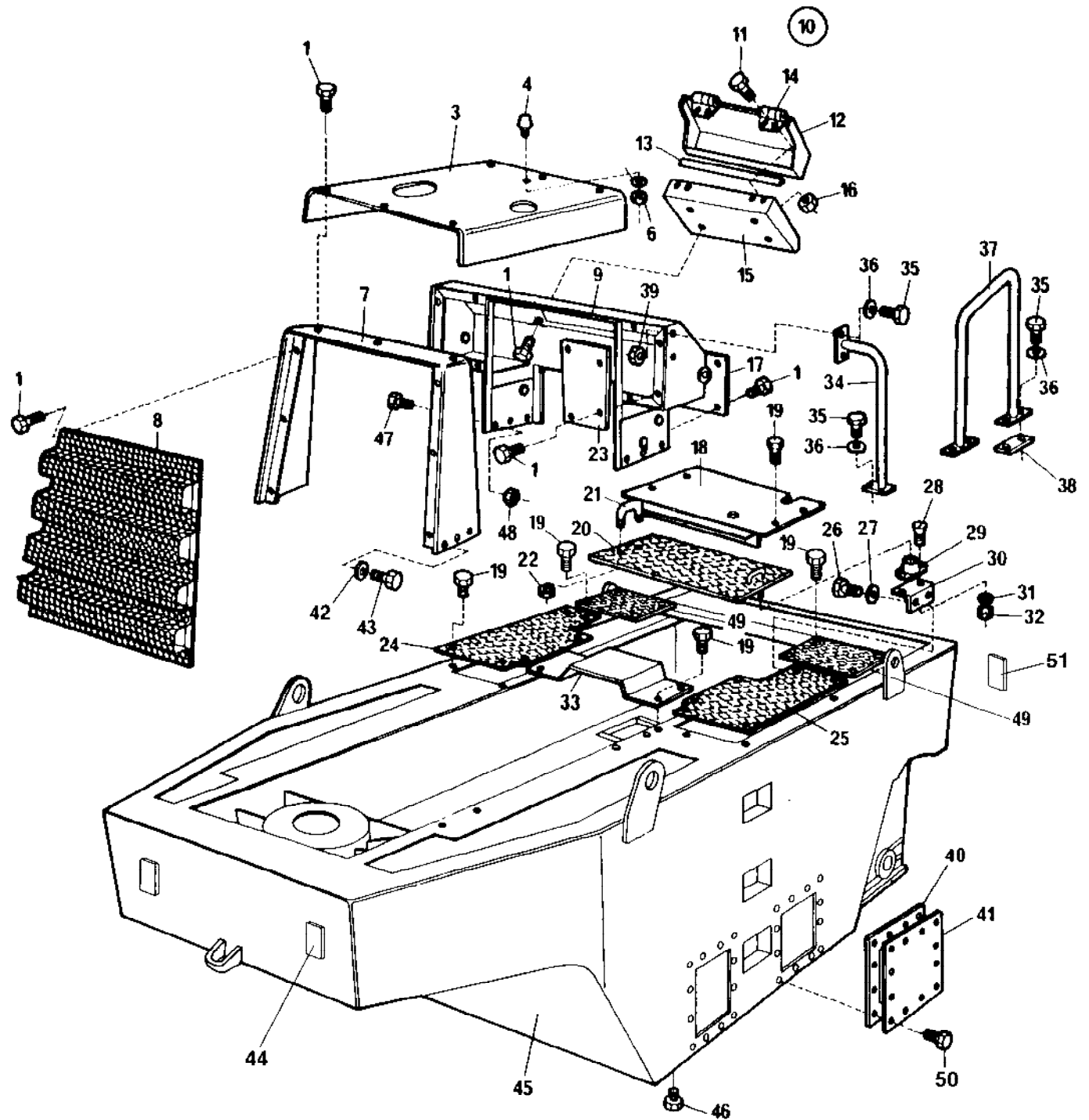
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Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Frame (Page 4)	
20				Suspension (Page 28)	
30				Engine (Page 106)	
40				Transmission (Page 124)	
50				Hydraulic system (Page 214)	
60				Electrical equipment (Page 228)	
70				Drivers platform (Page 248)	
80				Decals (Page 288)	
90				Standard equipment (Page 294)	
91				Optional equipment (Page 298)	

Frame

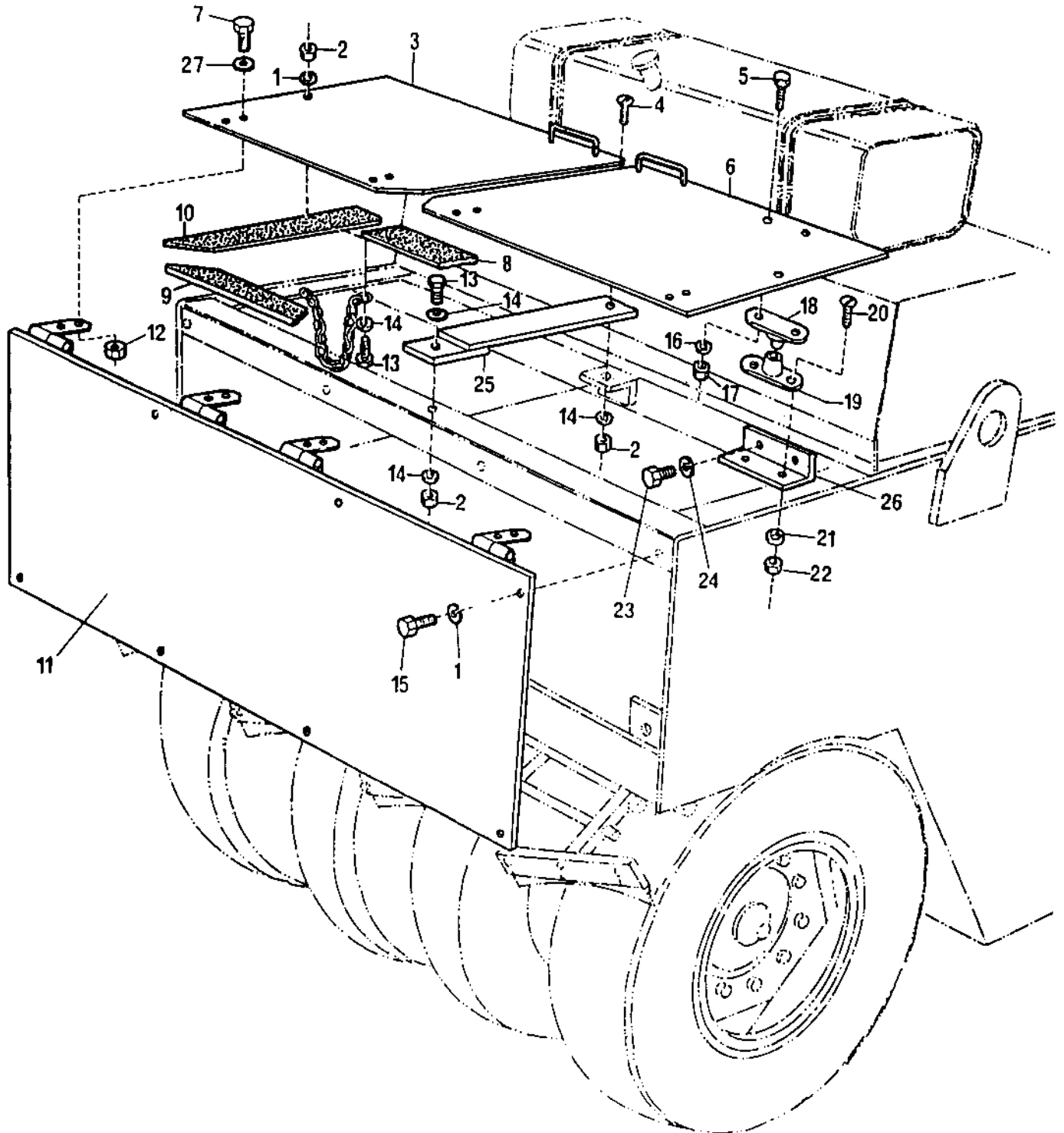
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10				Frame and hood (Page 6)	
20				Rear cover - 705B287 (Page 8)	
30				Rear cover 705B288 - (Page 10)	
50				Front scrapers (Page 12)	
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90				Sprinkler system 705B288 - (Page 20)	
100				Cover assy (Page 24)	
110				Water ballast cover (Page 26)	



Frame and hood

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	904643		34	Screw	
3	191945		1	Hood Up to 22620242	
	375529		1	Hood From 22620243	
4	925629		2	Shock absorber	
6	570005		2	Nut M8	
7	191946		1	Cooler frame Up to 22620277	
	375148		1	Cooler frame From 22620278	
8	190697		1	Fan guard Up to 22620277	
	375582		1	Fan guard From 22620278	
9	191944		1	Control panel welded Up to 22620229	
	195785		1	Control panel welded From 22620330 Up to 22620277	
	345149		1	Control panel welded From 22620278	
10	192011		1	Control panel	
11	500013		8	.Screw M6-1x16 8,8	
12	240410		1	.Cover	
13	202028	A	1	.Edge trim	
14	249865		2	.Hinge	
15	191769		1	.Frame	
16	586002		8	.Lock nut M6	
17	195022		1	Cover Up to 22620244	
	376387		1	Cover plate From 22620245	
18	191959		1	Protector	
19	928511		36	Screw Up to 705B287	
	928511		44	Screw From 705B288	
20	191960		1	Floor	
21	265753		2	Grab handle	
22	586002		4	Lock nut M6	
23	191947		2	Cover	
24	191896		1	Cover plate	
25	191897		1	Cover plate	
26	500021		4	Screw M8-1,25x25 8,8	
27	615043		4	Washer 8,4x18x2	
28	535008		4	Screw	
29	450066		2	Door bumper	D
30	254723		2	Bracket	
31	615041		4	Washer 5,3x11	
32	570003		4	Nut M5	
33	191958		1	Floor Up to 22620244	
	375101		1	Cover plate From 22620245	
34	240127		2	Retainer Up to 22620277	
35	500021		14	Screw M8-1,25x25 8,8 Up to 22620277	
36	904229		14	Washer 8,4x16x1,5 Up to 22620277	
37	191768		2	Hand rail Up to 22620277	
38	264267		2	Bracket	
39	570005		4	Nut M8 Up to 22620277	
40	264238		4	Gasket	D
41	264237		4	Cover	
42	904557		12	Washer 10,5x22x4	
43	500030		11	Screw M10-1,5x35H 8,8	
44	901187		2	Reflector, white	B
45	191885		1	Frame	
46	232046		2	Plug	
47	500031		1	Screw M10-1,5x40 8,8	
48	570006		1	Nut M10	
49	195372		2	Floor	
50	500506		48	Screw	
51	901182		2	Reflector, red	B

A) L=585 mm



Rear cover - 705B287

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	615044		10	Conical spring washer	D
2	570006		4	Nut M10	
3	191670		1	Cover, left	
4	500028		1	Screw M10-1,5x25 8,8	
5	536036		8	Screw	
6	191669		1	Cover, right	
7	500021		8	Screw M8-1,25x25 8,8	
8	191512	A	2	Rubber strip	
9	191512	B	2	Rubber strip	
10	191512	C	4	Rubber strip	
11	191674		1	Cover, rear	
12	586003		8	Lock nut M8	
13	500028		3	Screw M10-1,5x25 8,8	
14	600008		7	Washer	
15	500048		8	Screw M10-1,5x20 8,8	
16	615041		8	Washer 5,3x11	
17	571019		8	Nut	
18	450067		4	Door bumper	D
19	450066		4	Door bumper	D
20	536036		8	Screw	
21	615041		8	Washer 5,3x11	
22	571019		8	Nut	
23	500021		8	Screw M8-1,25x25 8,8	
24	615043		8	Washer 8,4x18x2	
25	242107		1	Bracket	
26	254723		4	Bracket	
27	600006		8	Washer	

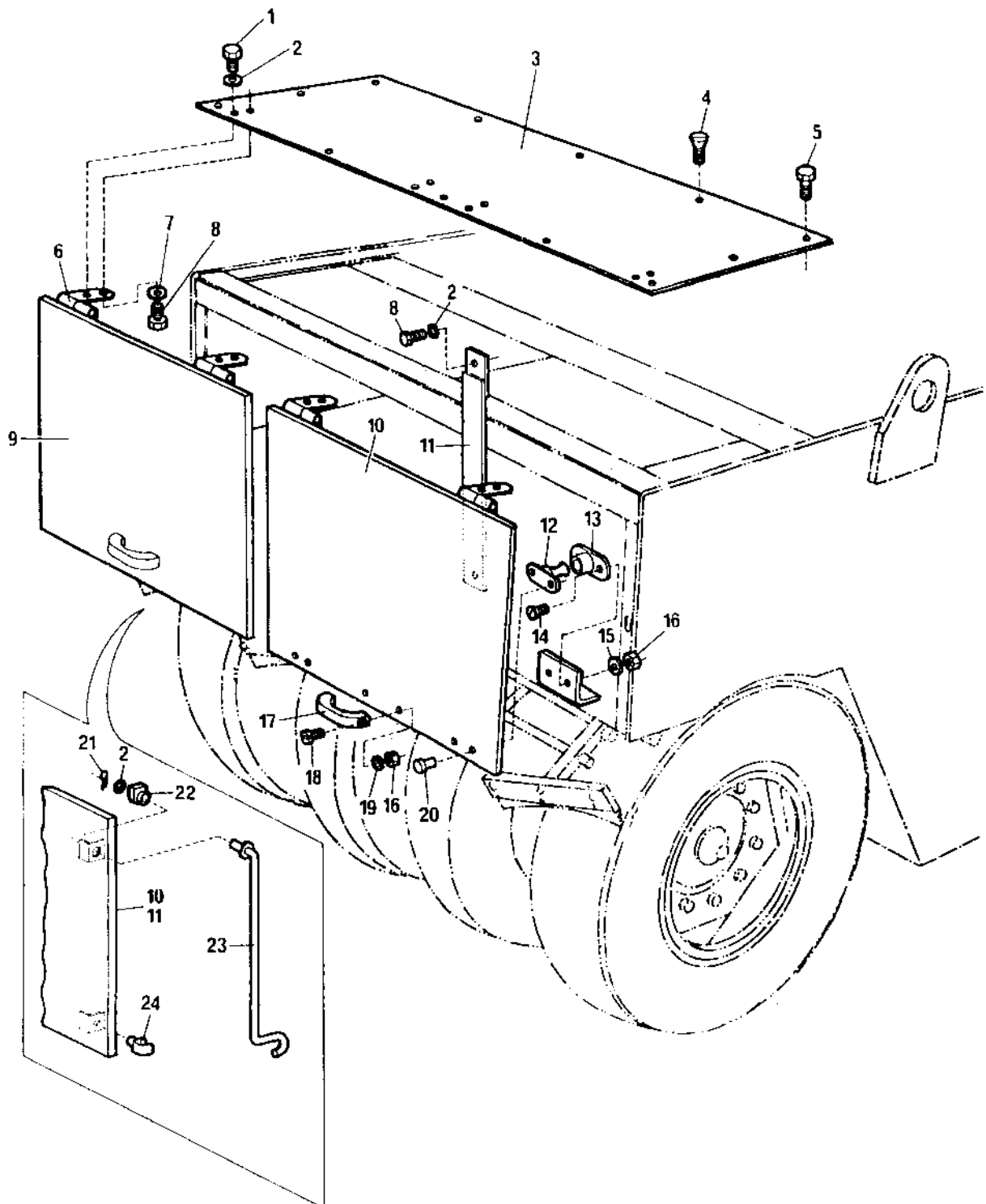
A) L=890 mm

B) L=865 mm

C) L=565 mm

Rear cover 705B288 -

16205

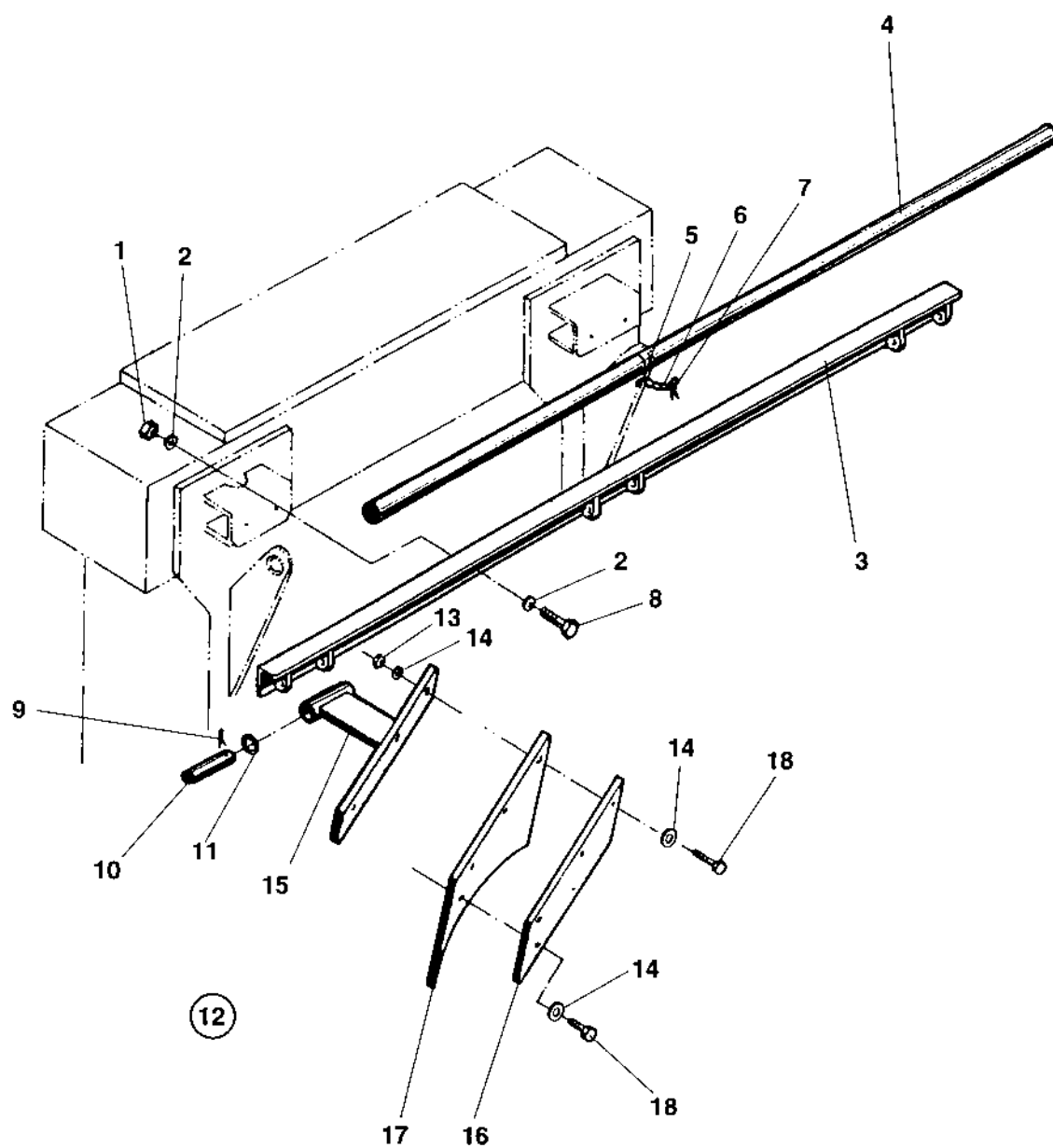


Rear cover 705B288 -

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	195358		1	Floor Up to 22620277	
	375098		1	Cover plate From 22620278	
4	535044		3	Screw	
5	928511		9	Screw	
6	191511		4	Hinge	
7	904556		4	Washer 8,4x16x3,0	
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	

Front scrapers

16206

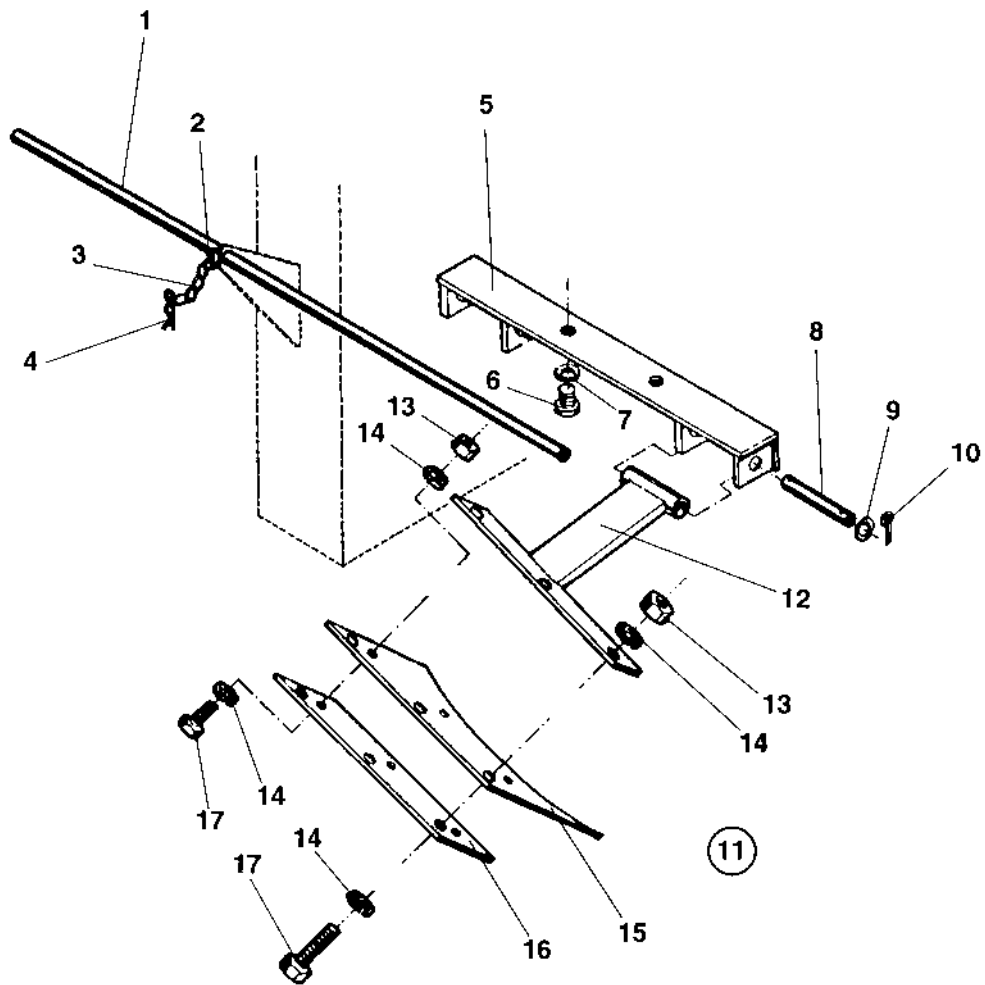


Front scrapers

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	

Rear scrapers

16207

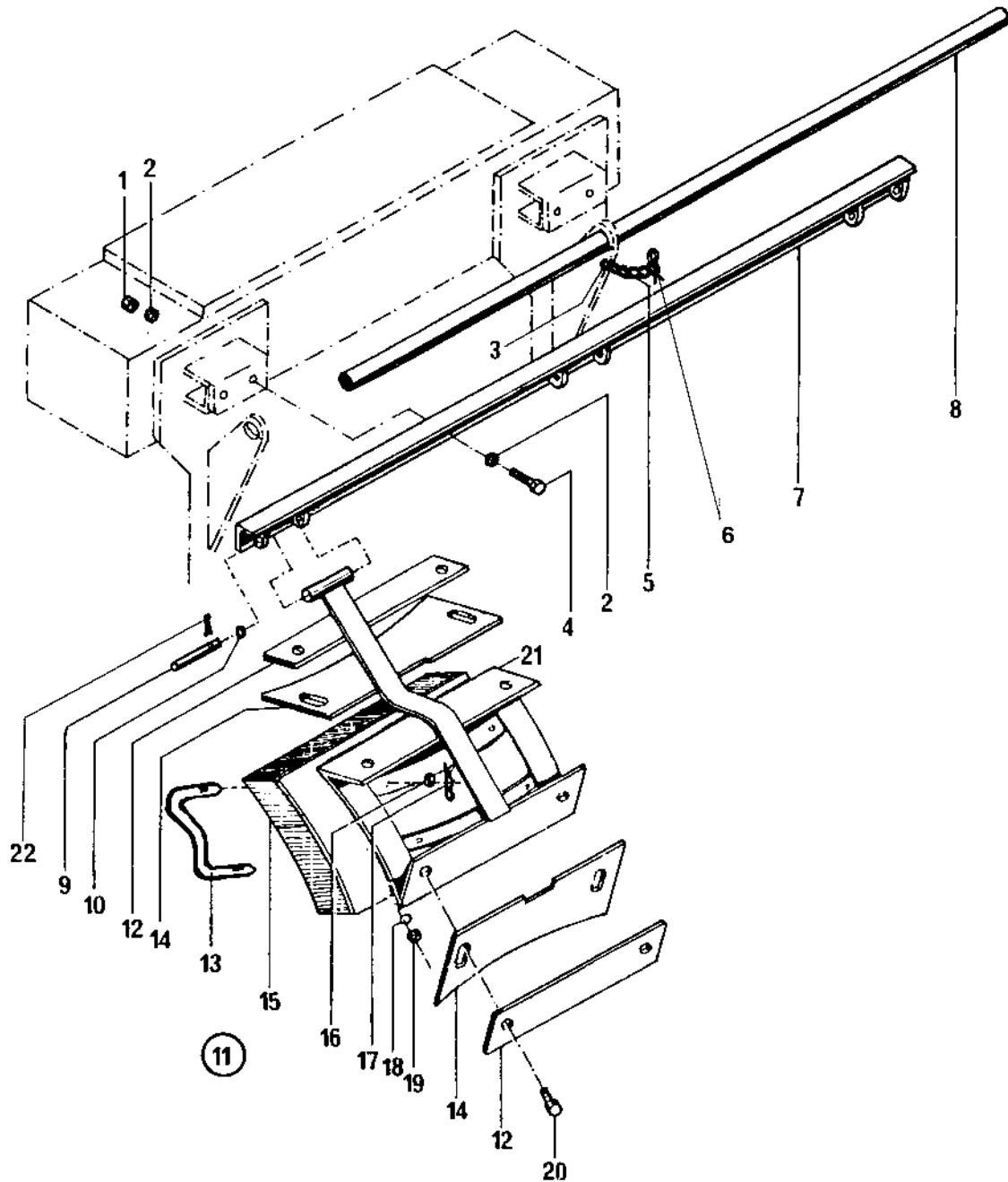


Rear scrapers

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

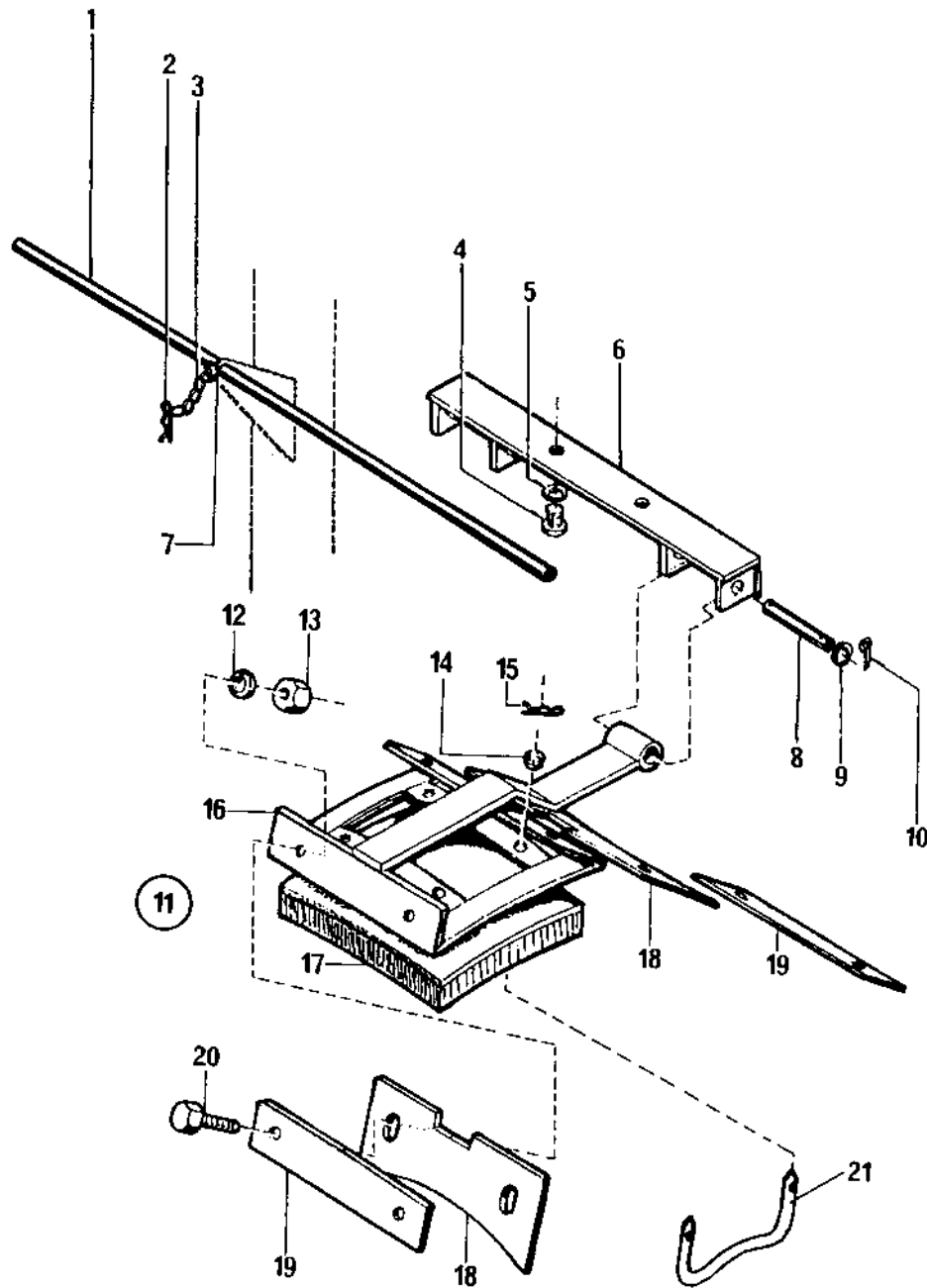


Front scrapers and mat Option

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	191078		2	.Scraper Up to 22620250	B
	376375		2	.Scraper From 22620251 Up to 22620252	B
	191078		2	.Scraper From 22620253 Up to 22620254	B
	376375		2	.Scraper From 22620255	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

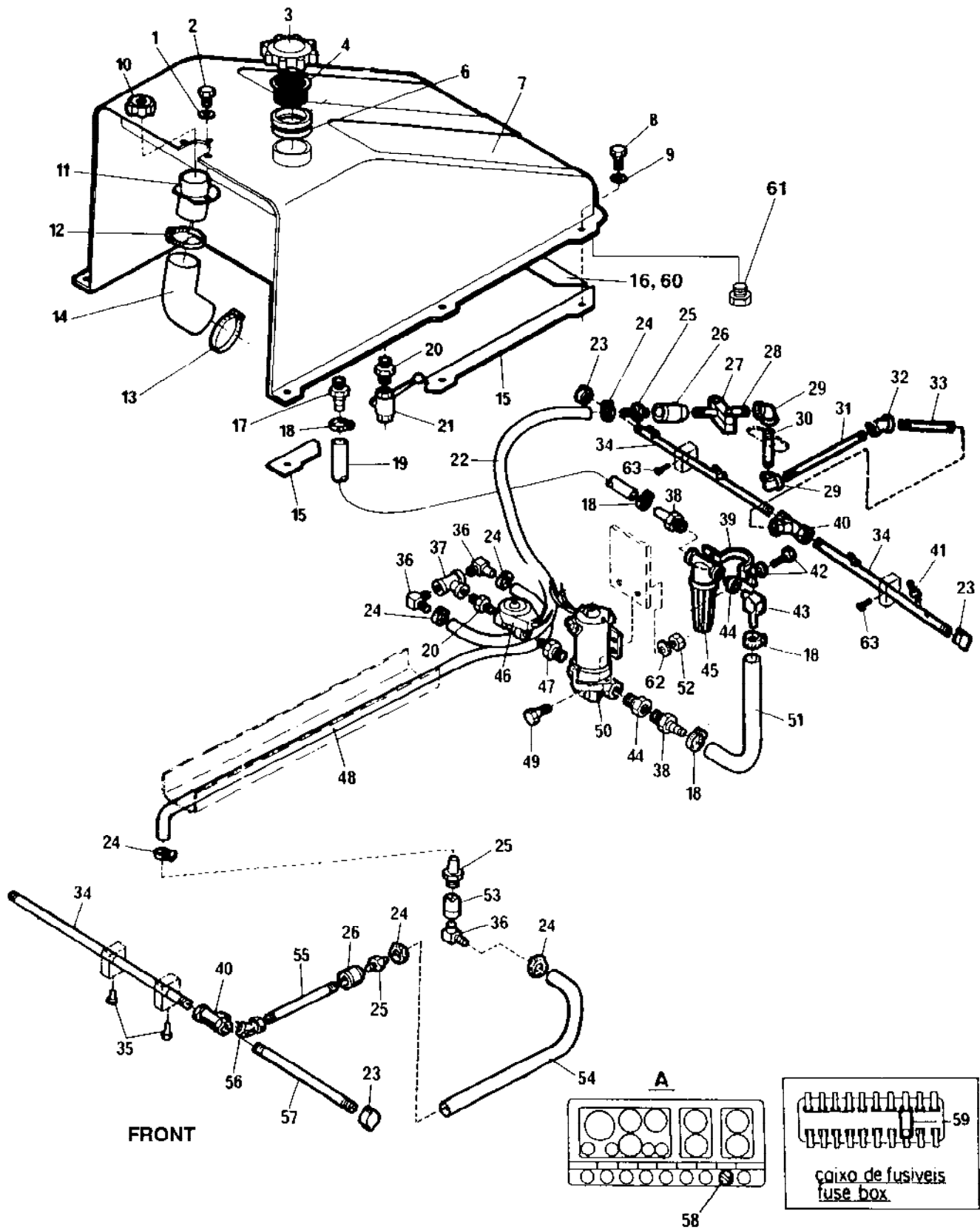


Rear scrapers and mat Option

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	191078		2	.Scraper Up to 22620250	B
	376375		2	.Scraper From 22620251 Up to 22620252	B
	191078		2	.Scraper From 22620253 Up to 22620254	B
	376375		2	.Scraper From 22620255	B
19	263763		2	.Plate	
20	500056		4	.Screw M12x45 8,8	
21	267791		2	.Mat holder	D

Sprinkler system 705B288 -

17802



Sprinkler system 705B288 -

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	268964012		1	Tank cup Up to 2262054	
	373304		1	Cap From 2262055 Up to 2262057	D
	268964012		1	Tank cup From 2262058 Up to 2262060	
	373304		1	Cap From 2262061	D
11	193091		1	Filling pipe Up to 2262054	
	375567		1	Filling pipe From 2262055 Up to 2262057	
	193091		1	Filling pipe From 2262058 Up to 2262060	
	375567		1	Filling pipe From 2262061	
12	904631		1	Hose clamp	
13	904059		1	Hose clamp	
14	193093		1	Filling pipe	
15	193100		2	Rubber strip	
16	193101		1	Rubber strip	
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	

A) L=1900 mm

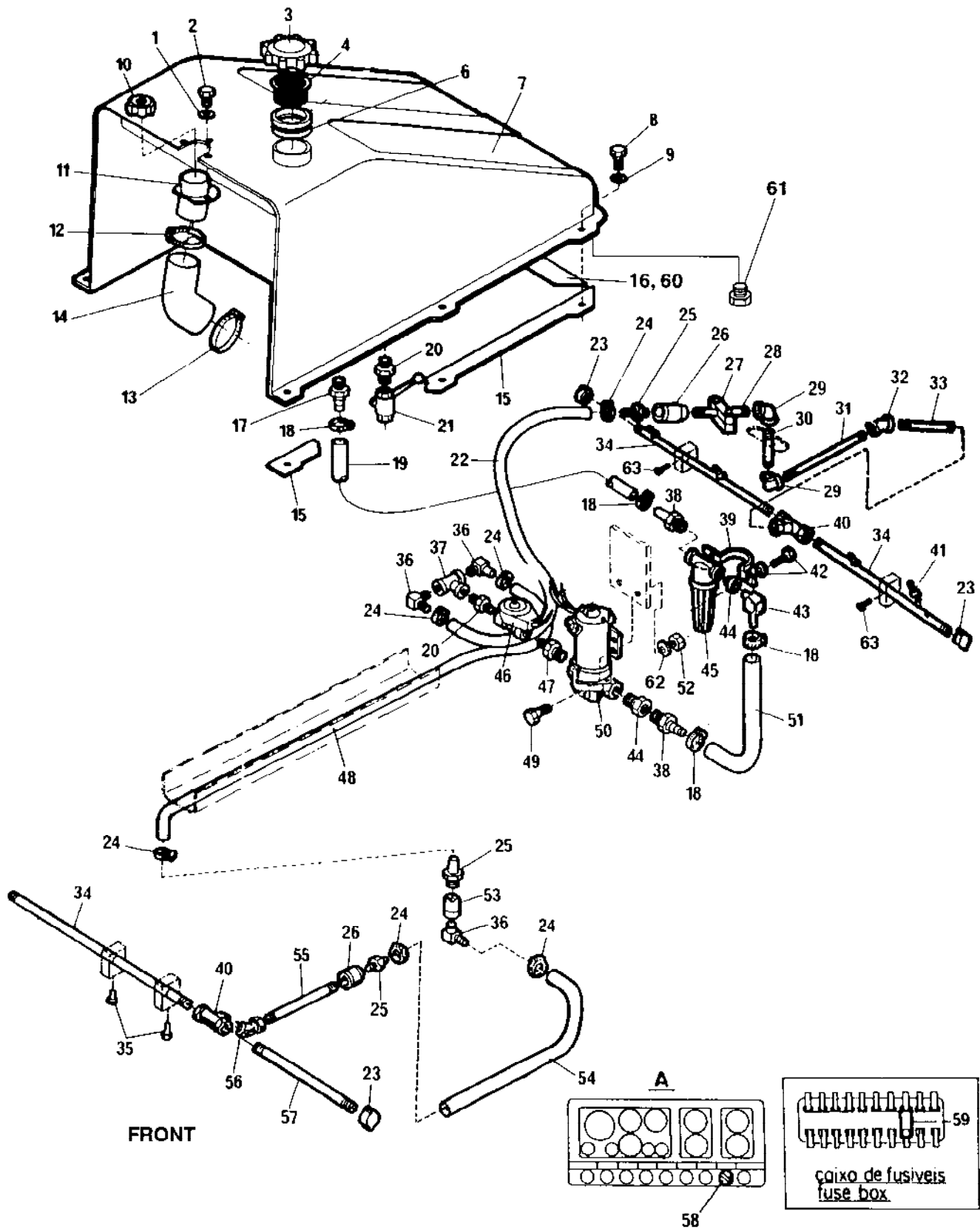
C) Old version

D) Together with washer 904230

E) Together with screw 947684

Sprinkler system 705B288 -

17802



Sprinkler system 705B288 -

Ref. No.	Part No.	Rem.	Qty	Description	Code
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	
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
60	903614	B		Rubber strip	
61	813422		2	Plug	
62	904230		2	Washer 10,5x22x2	
63	500079		4	Screw M6-1x50 8,8	

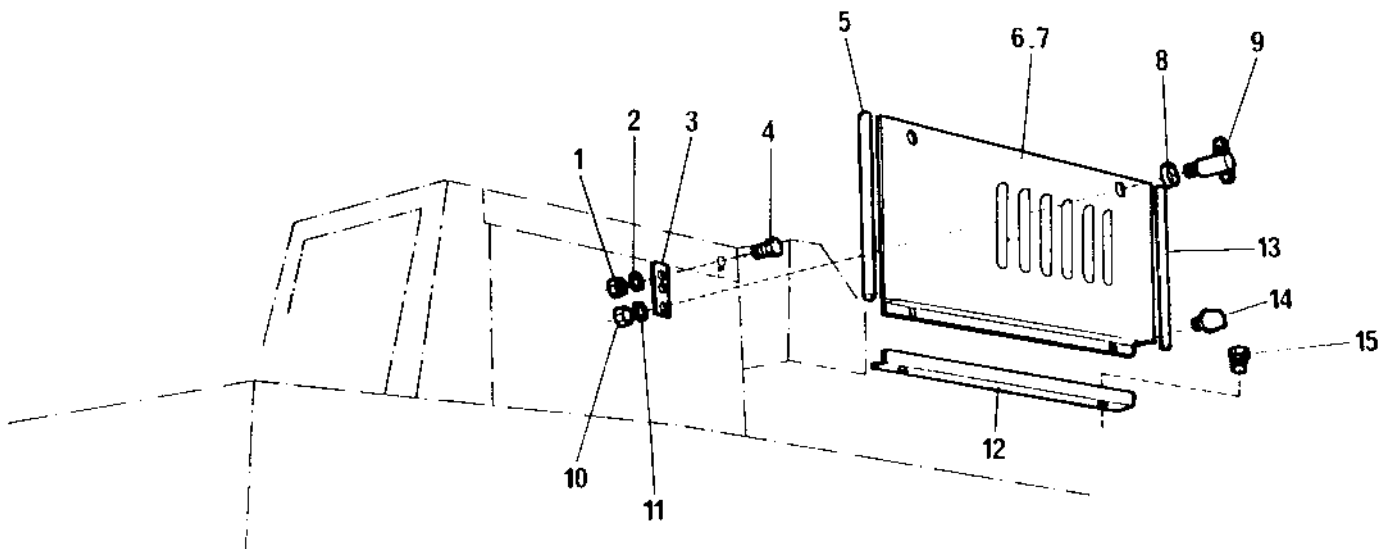
B) L=2300 mm

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.

Cover assy

16271

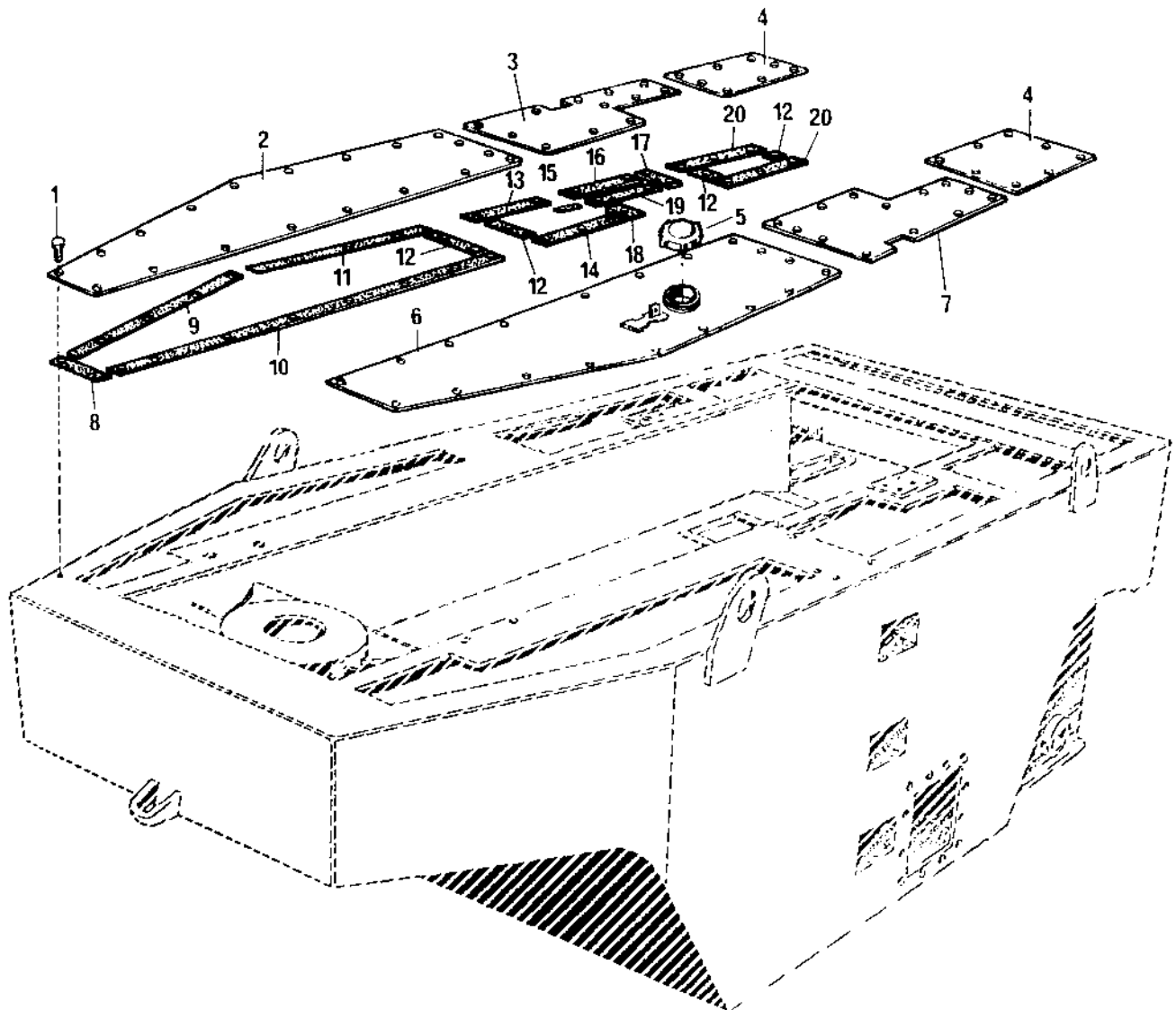


Cover assy

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	
7	192171		1	Cover, right	
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	

Water ballast cover

16278

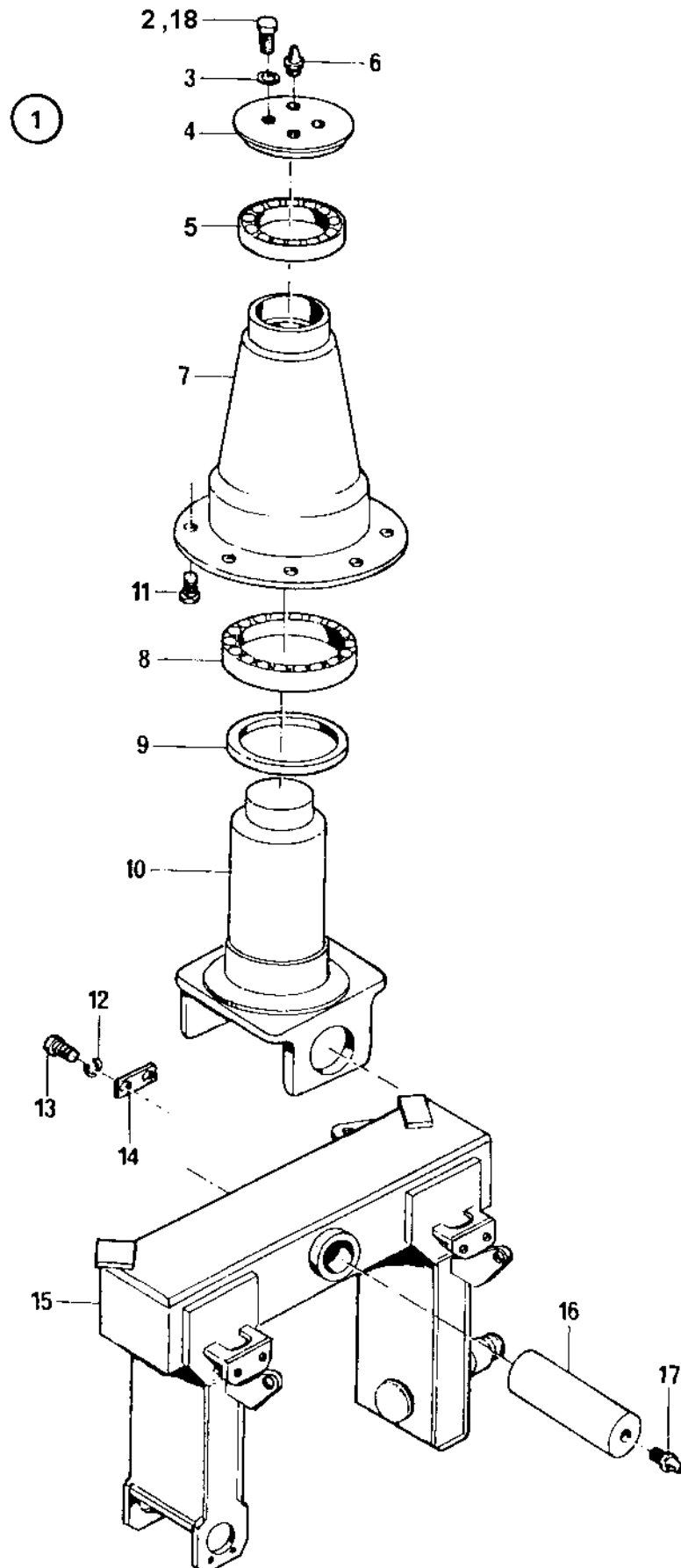


Water ballast cover

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	928511		80	Screw	
2	191864		1	Floor, right front Up to 705B244	
	193846		1	Floor, right front From 705B245	
3	191896		1	Cover plate	
4	265958		2	Rear floor	
5	333228		2	Cap	
6	193847		1	Floor, front left Up to 705B244	
	193847		1	Floor, front left From 705B245	
7	191897		1	Cover plate	
8	265980		2	Gasket	D
9	265987		2	Gasket	D
10	191873		2	Gasket	D
11	191874		2	Gasket	D
12	265976		6	Gasket	D
13	191891		2	Gasket	D
14	191871		2	Gasket	D
15	191872		2	Gasket	D
16	191890		2	Gasket	D
17	265971		2	Gasket	D
18	266779		2	Gasket	D
19	266780		2	Gasket	D
20	265977		4	Gasket	D

Suspension

Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Steering link (Page 30)	
20				Front suspension (Page 32)	
30				Rear suspension (Page 34)	
35	195176			Chain protector (Page 38)	
50				Wheel (Page 40)	
60				Spare wheel Option (Page 48)	
70				Pneumatic circuit diagram Option (Page 50)	
80				Air on the run -SN 705B272 Option (Page 52)	
90				Air on the run SN 705B273- Option (Page 56)	
100				Diagram brake circuit - 705B272 (Page 60)	
110				Diagram brake circuit 705B273 - (Page 62)	
120				Brake circuit -705B272 (Page 66)	
130				Brake circuit 705B273 - SN 22620229 (Page 74)	
140				Brake circuit SN 22620230 - (Page 80)	
150				Compressor assembly -SN 22620229 (Page 88)	
160				Additonal Compressor, VARGA -SN 22620229 (Page 92)	
190				Compressor assembly SN 22620230 - 22620272 (Page 94)	
230				Compressor Varga (Page 98)	
240				Compressor assembly SN 22620273- (Page 100)	



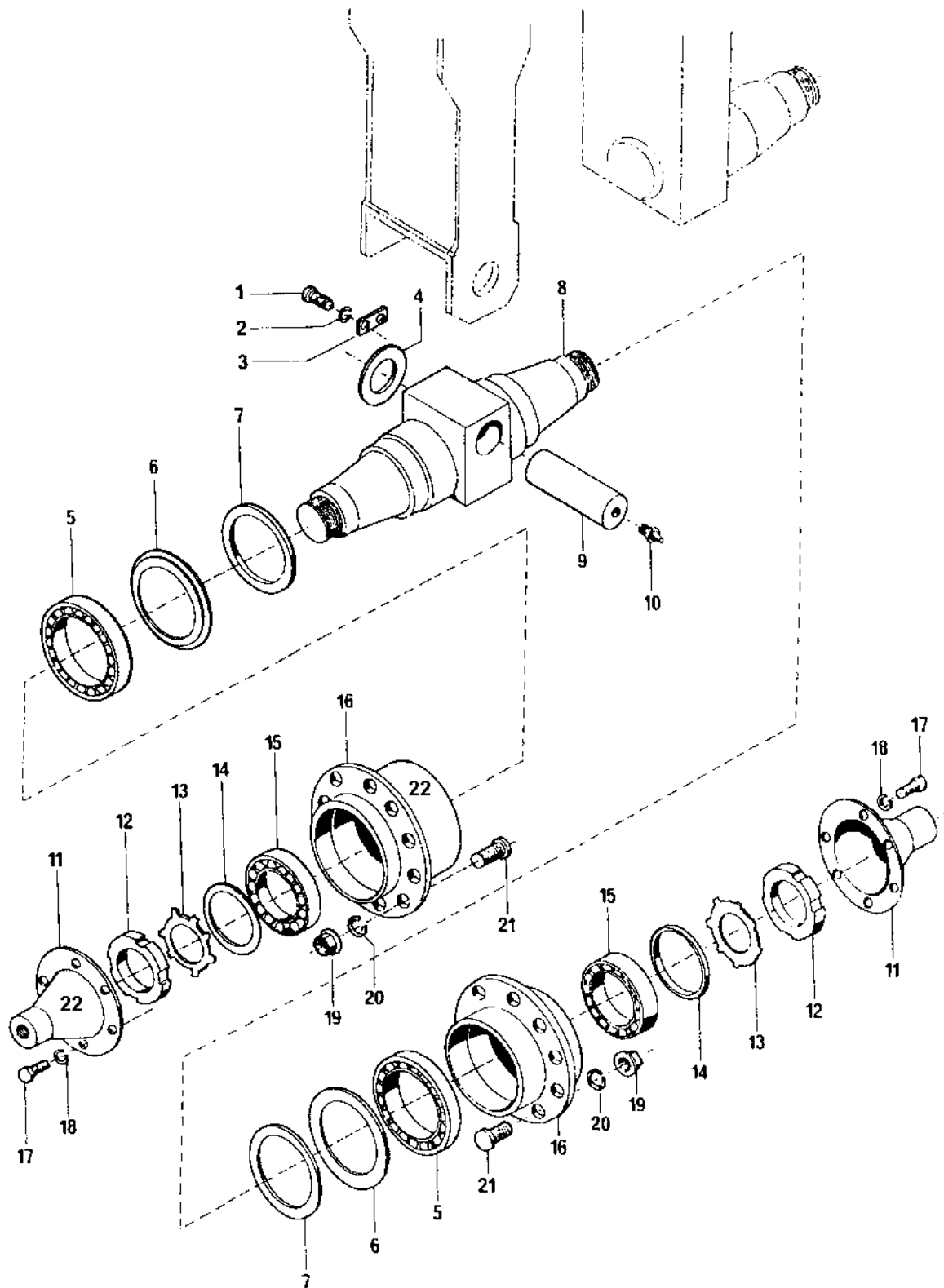
Steering link

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

Front suspension

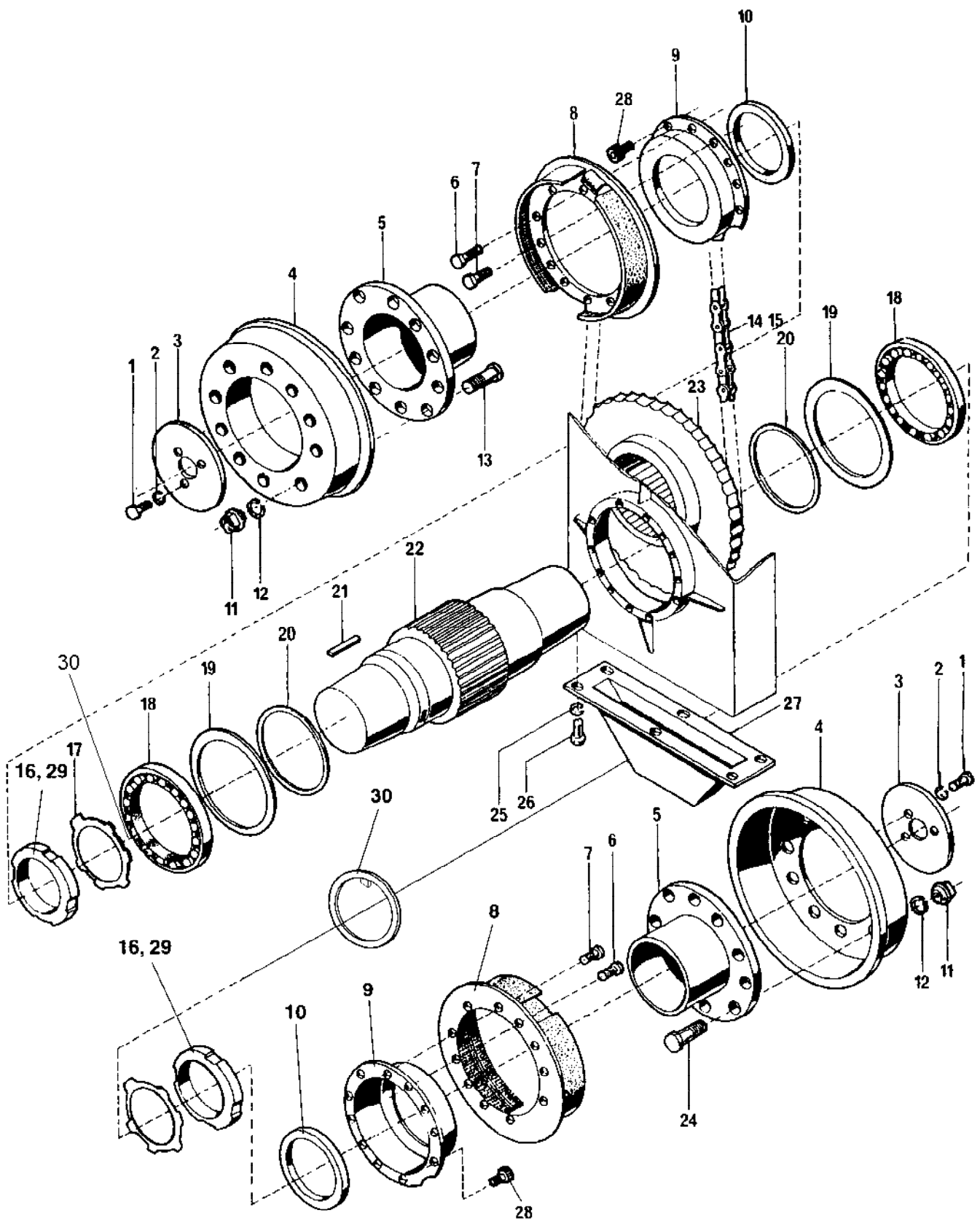
16231-1



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

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	947696		12	Screw M16x45	
2	604011		12	Spring washer	
3	254088		4	Snap plate	
4	253745		4	Brake drum	
5	253747		4	Wheel hub	
6	900723	A	12	Screw	
	375152	A	12	Spacer	
7	900724	B	20	Screw	
	375152	B	20	Spacer	
8	259219		4	Brake (Page 36)	
9	268419		4	Bearing cover	
10	161084		4	Seal ring	
11	754014		40	Nut	
12	902252		40	Washer	
13	747097		20	Wheel stud	
14	417055		2	Chain	D
15	417040		2	Chain lock	D
16	250787		4	Lock nut Up to 22620240	
	381716	C	4	Lock nut From 22620241 Up to 22620269	
	381717	E	4	Lock nut From 22620270	
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	
24	754105		20	Screw	
25	904557		12	Washer 10,5x22x4	
26	500028		12	Screw M10-1,5x25 8,8	
27	261490		2	Cover	
28	509028		56	Screw	
29	516049	D	16	Set screw From 22620241 Up to 22620269	
30	376465		4	Spacer ring From 22620270	

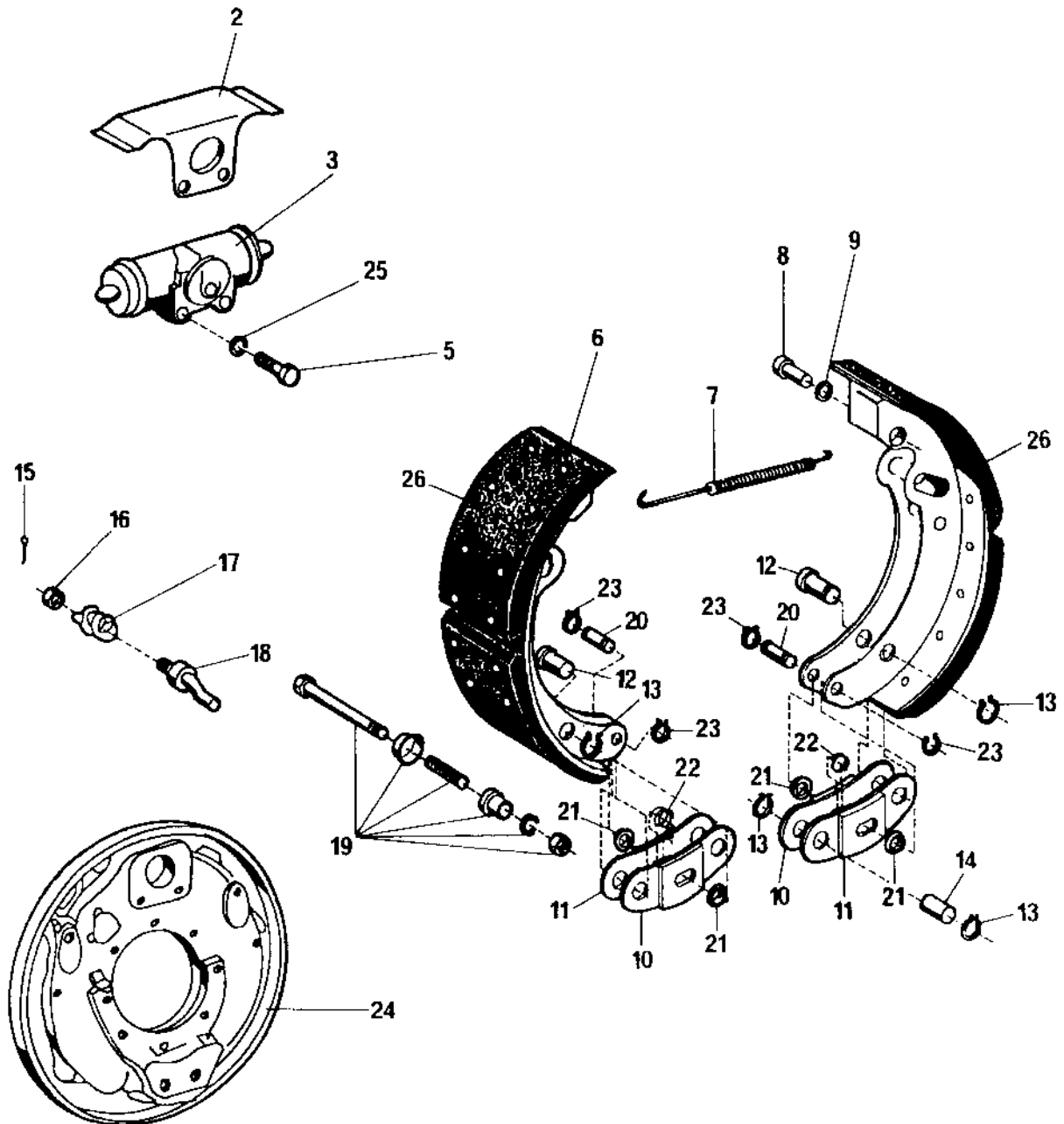
A) Screw and spacer together

B) Screw and spacer together

C) In use together with item 29

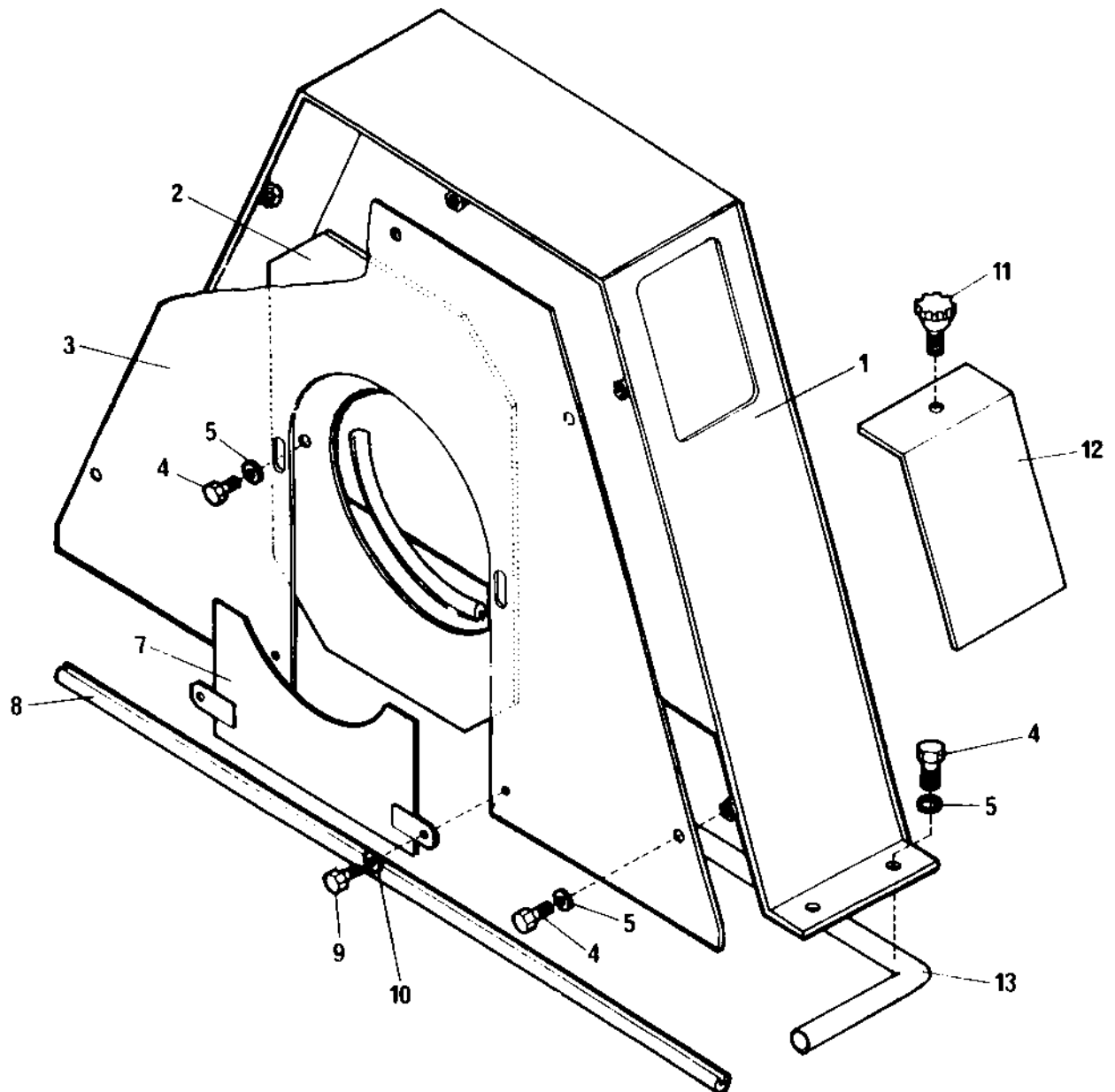
D) Only in use together with 381716, item 16

E) Not used as spare part; we recommend 381716 together with 516049



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	



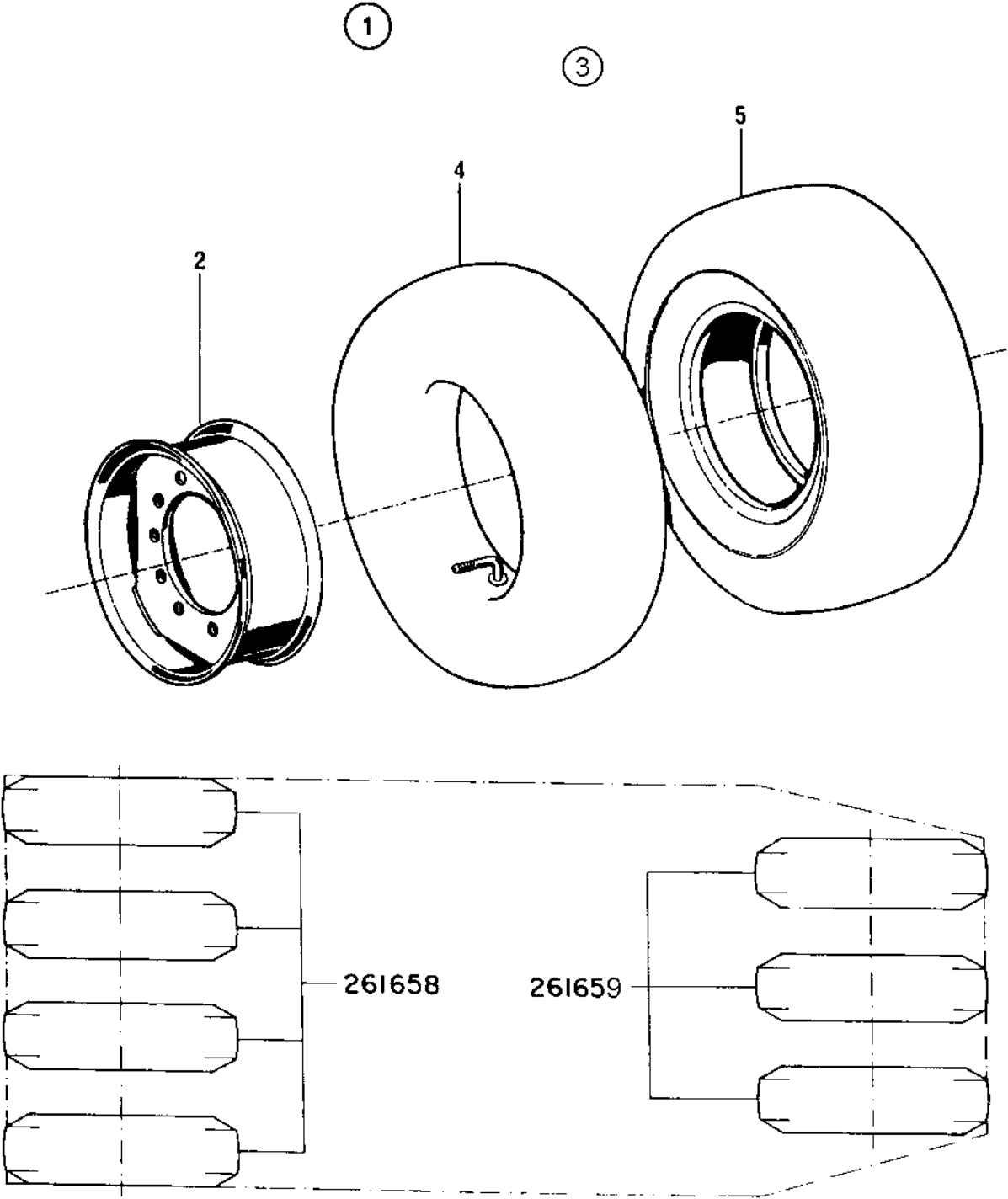
195176 Chain protector

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				

Wheel

Ref. No.	Part No.	Rem.	Qty	Description	Code
51				Wheel with Bridgestone tyre (Page 42)	
52				Wheel with Michelin tyre (Page 44)	
53				Wheel with Firestone tyre (Page 46)	

Wheel with Bridgestone tyre
16242-2

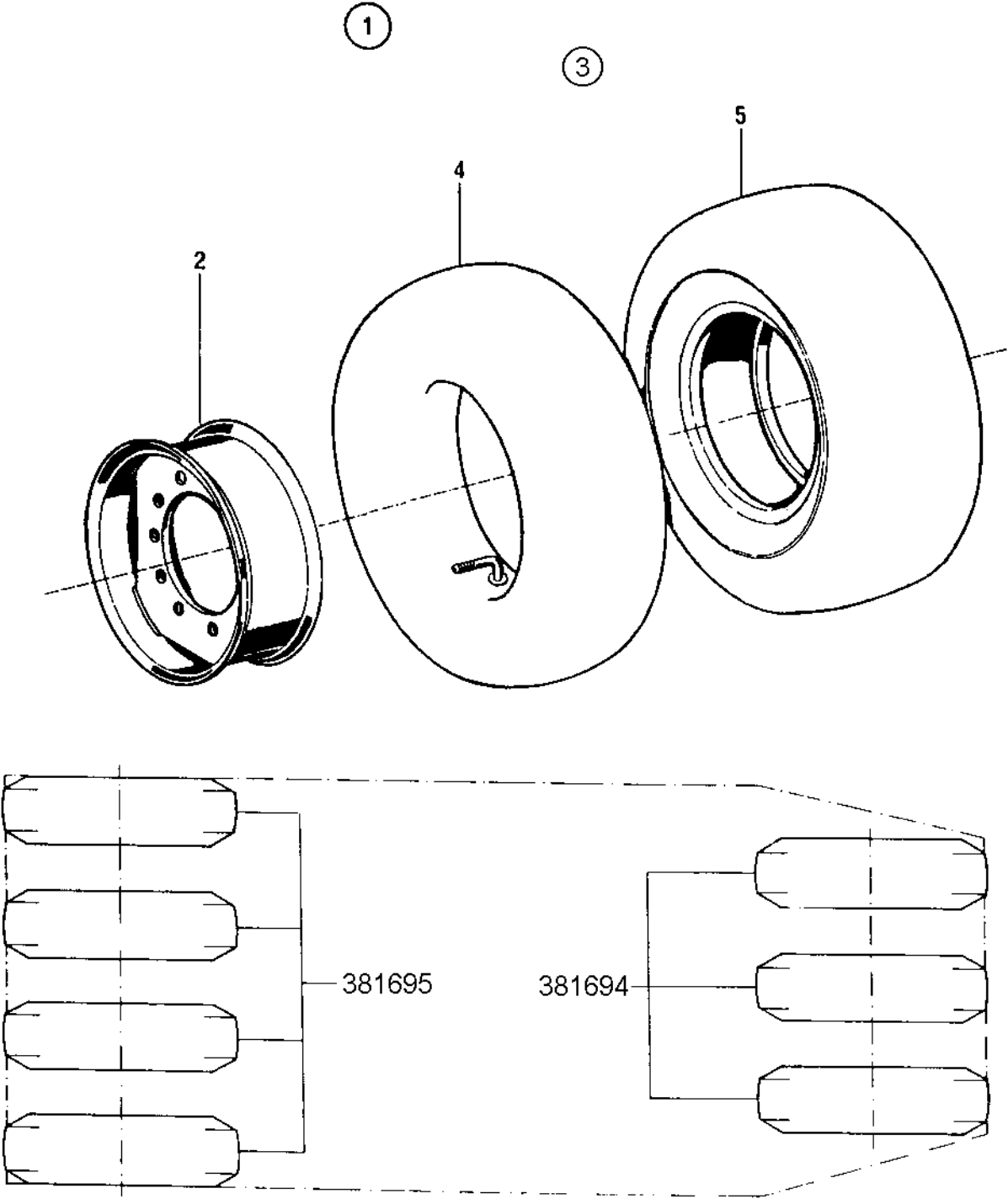


Wheel with Bridgestone tyre

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

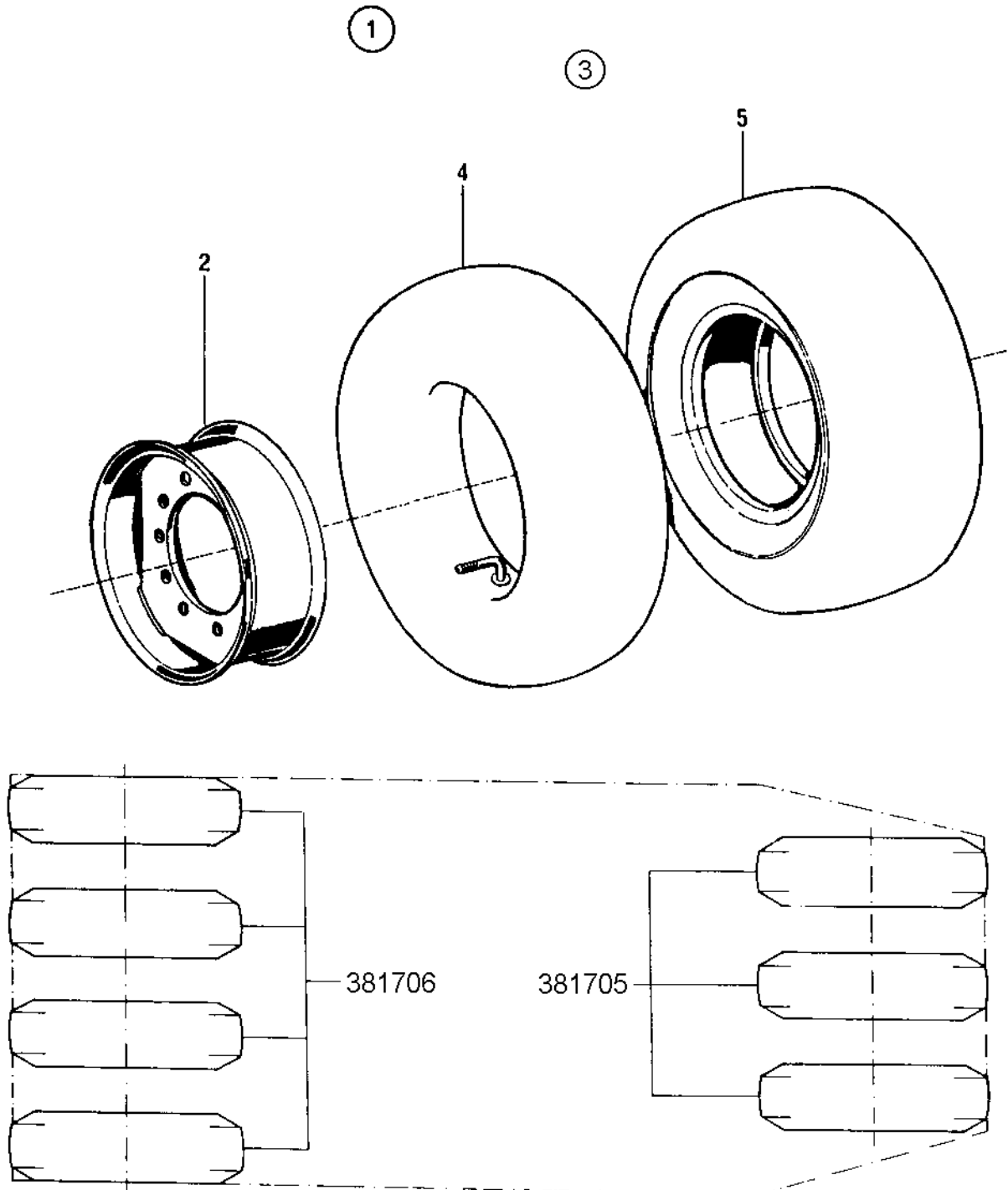
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	381694	D	3	Wheel, cpl	
	381695	D	4	Wheel, cpl	
2	259089	A	1	.Rim	
	250658	B	1	.Rim	
3	381620	D	1	.Inner tube and tyre	
4	195414		1	..Inner tube	
5	901317	C,D	1	..Tyre	B

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

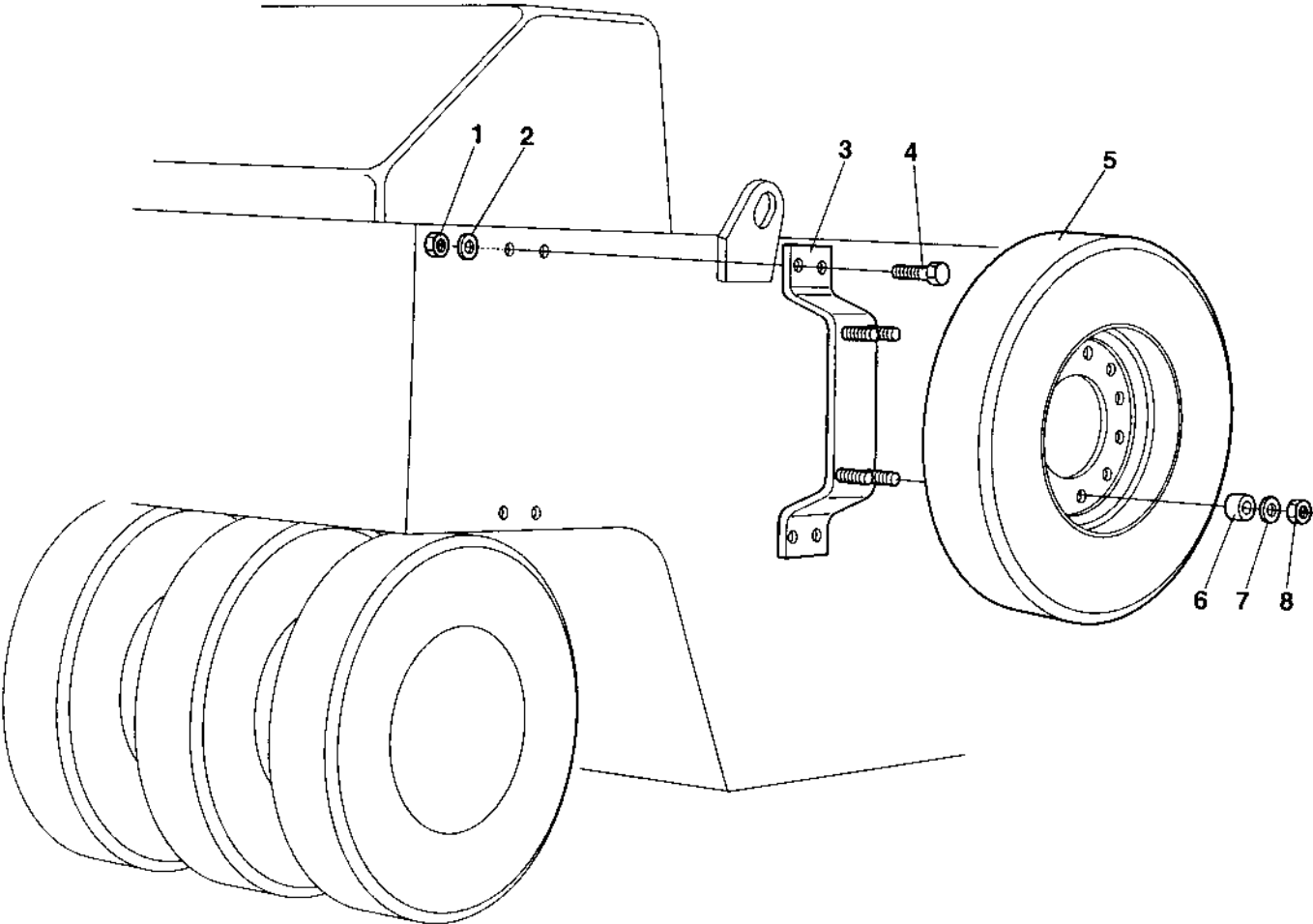
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	381705	D	3	Wheel, cpl	
	381706	D	4	Wheel, cpl	
2	259089	A	1	.Rim	
	250658	B	1	.Rim	
3	381704	D	1	.Inner tube and tyre	
4	195414		1	..Inner tube	
5	401048	C,D	1	..Tyre	B

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.

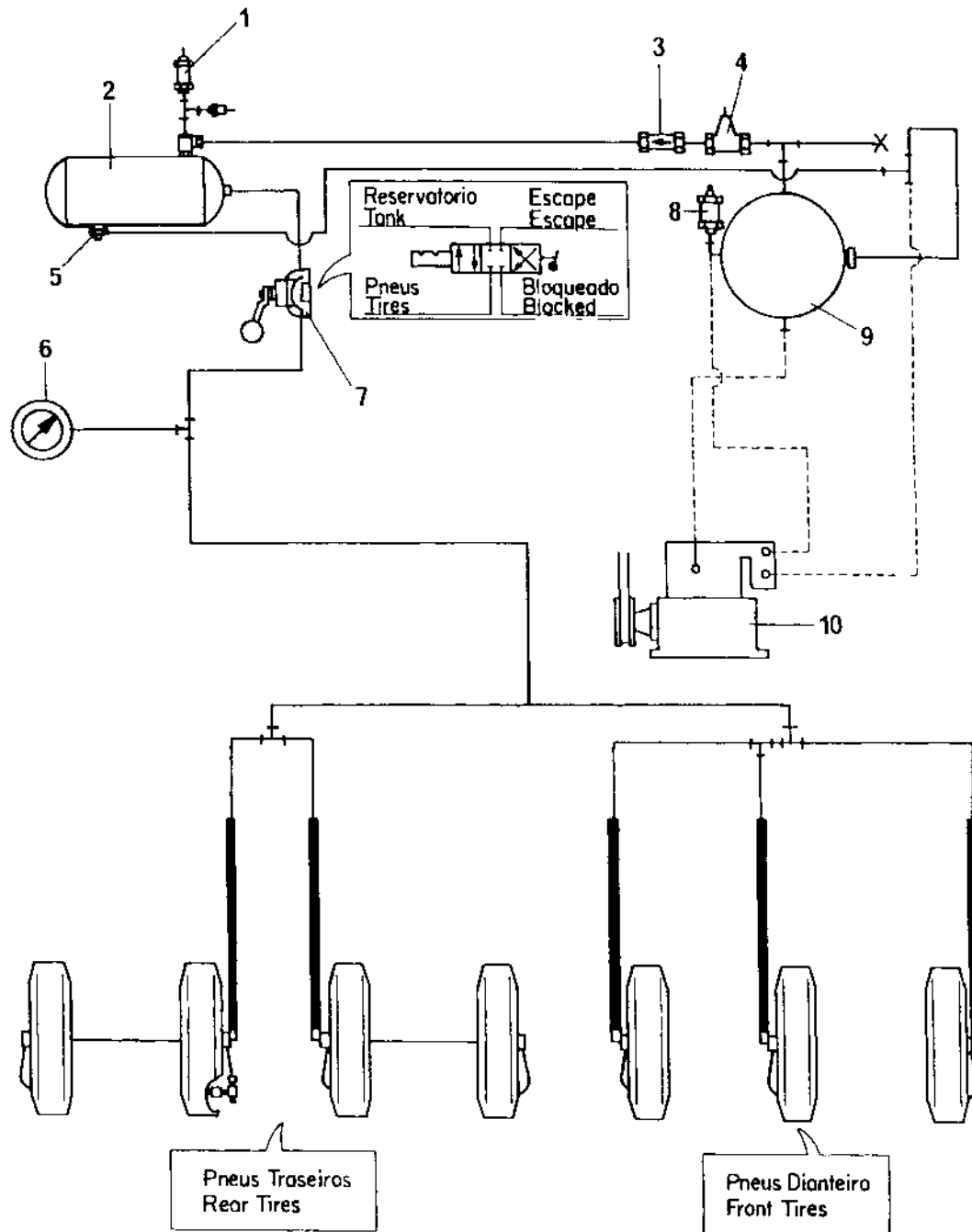


Ref. No.	Part No.	Rem.	Qty	Description	Code
1	570015		4	Nut M20	
2	904233		8	Washer 21x36x3	
3	257028		1	Bracket	
4	500101		4	Screw M20x50	
5	261658	A,D	1	Wheel, cpl	
	381695	B,D	1	Wheel, cpl	
	381706	C,D	1	Wheel, cpl	
6	257029		4	Spacer	
7	902252		4	Washer	
8	754014		4	Nut	

- 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



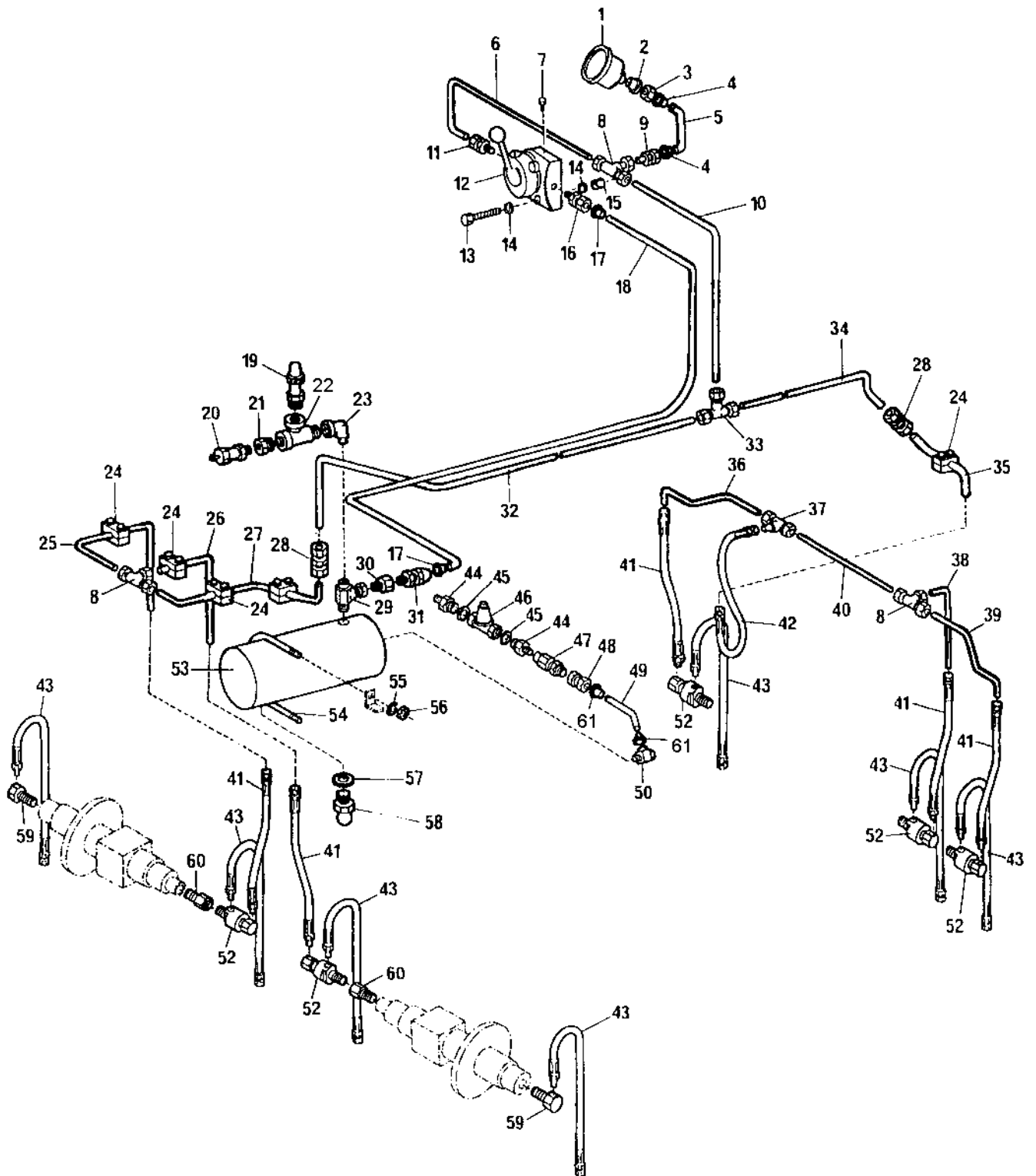
Pneumatic circuit diagram Option

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

Air on the run -SN 705B272 Option

16244-1



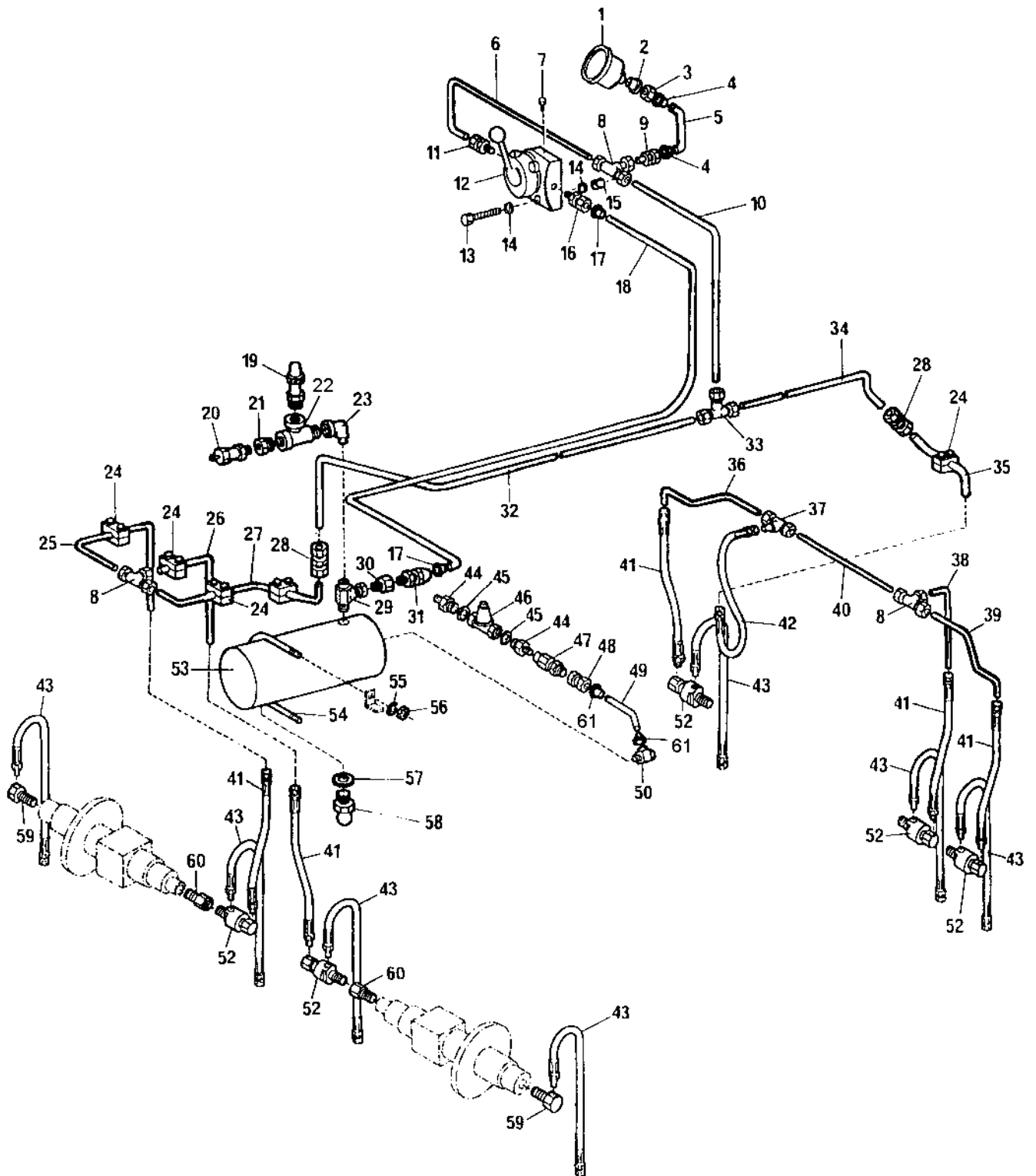
Air on the run -SN 705B272 Option

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	266221			Manometer	D
2	230520			Locking sleeve R6	
3	230523		1	Nut	
4	920783		2	Insert	
5	247154	A	1	Pipe	
6	259250		1	Tube	
7	332079		1	Plug	
8	230055		3	Connection-T	
9	330281		1	Adapter	
10	247151	B	1	Pipe 3/8"	
11	330298		1	Connection	
12	190886		1	Valve	
13	500015		2	Screw M6-1x30 8,8	
14	603001		4	Washer	
15	570004		2	Nut M6	
16	920790		1	Nipple	
17	920784		10	Insert	
18	247152	C	1	Tube	D
19	401106		1	Filler pipe	
20	333062		1	Safety valve	D
21	813465		1	Reducing	
22	928839		1	Tee-connector	
23	234976		1	Scraper bracket 90deg	
24	258268		5	Clamp	
25	257167		1	Tube	
26	257162		1	Tube	
27	259564		1	Tube	
28	230322		2	Connection	
29	259896		1	Connection	
30	190904		1	Adapter	
31	900524		1	Brake connection	
32	247151	C	1	Pipe 3/8"	
33	920797		1	Brake connection	
34	247151	D	1	Pipe 3/8"	
35			1	Tube	
36	262092		1	Tube	
37	230524		1	Connection-T	
38	259246		1	Tube	
39	259245		1	Tube	
40	262091		1	Tube	
41	257987		5	Hose	
42	257988		1	Hose	
43	191927		7	Hose	
44	240264		2	Adapter	
45	330333		2	Copper washer	D
46	333067		1	Valve	D
47	912120		1	Check valve	D
48	230461		1	Connection	
49	247153		1	Tube	
50	191926		1	Elbow	
51	920786		2	Insert	
52	334479		5	Rotating nipple	
53	255907		1	Air tank	
54	258280		2	Clamp	
55	604006		4	Washer	
56	571003		4	Nut UNC 3/8 - 16	
57	330333		1	Copper washer	D

- A) L=260 mm
 B) L=550 mm
 C) L=3100 mm
 D) L=1920 mm

Air on the run -SN 705B272 Option

16244-1

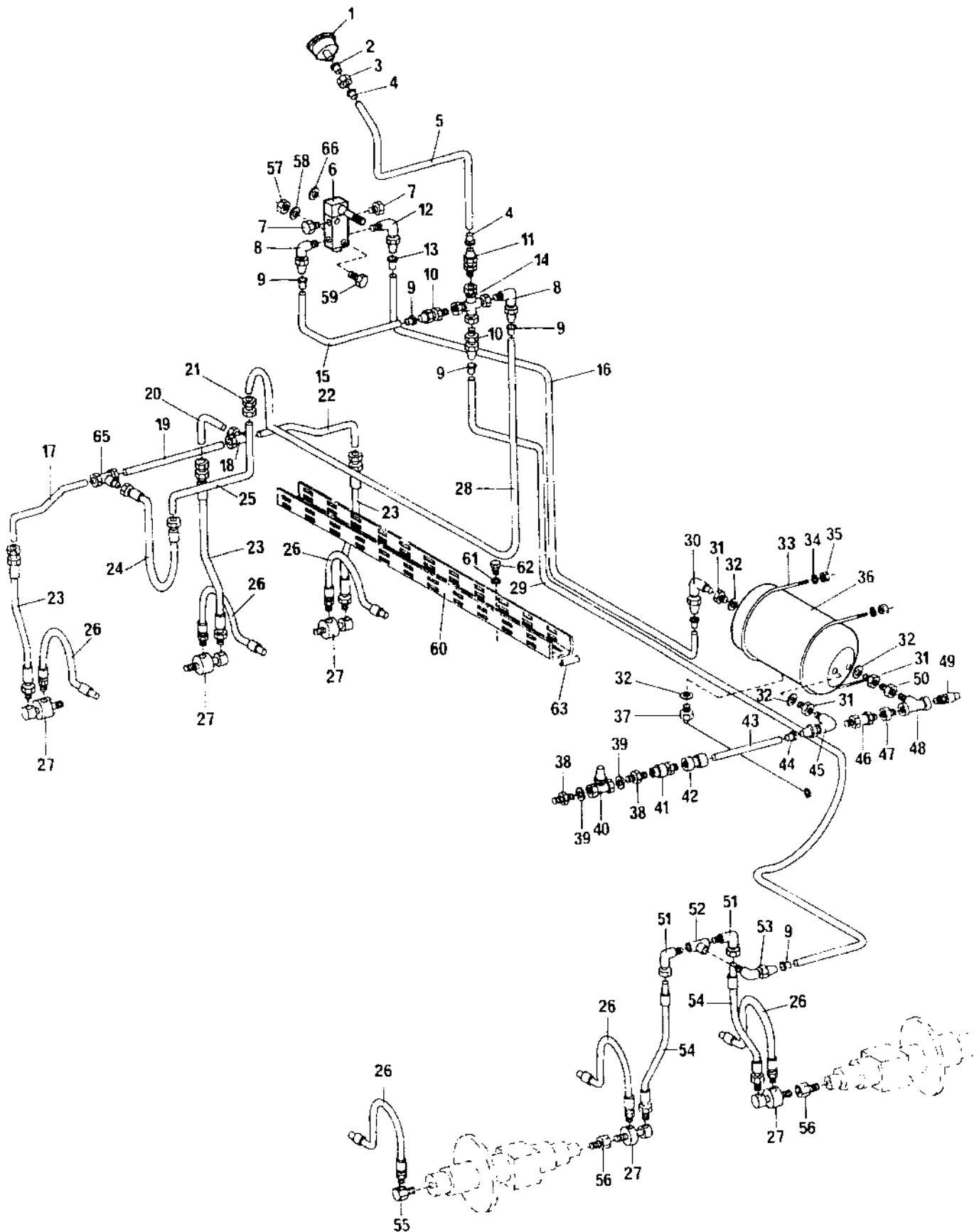


Air on the run -SN 705B272 Option

Ref. No.	Part No.	Rem.	Qty	Description	Code
58	333053		1	Drain valve	D
59	257985		2	Connector	
60	254086		2	Connector	
61	920786		2	Insert	

Air on the run SN 705B273- Option

16245



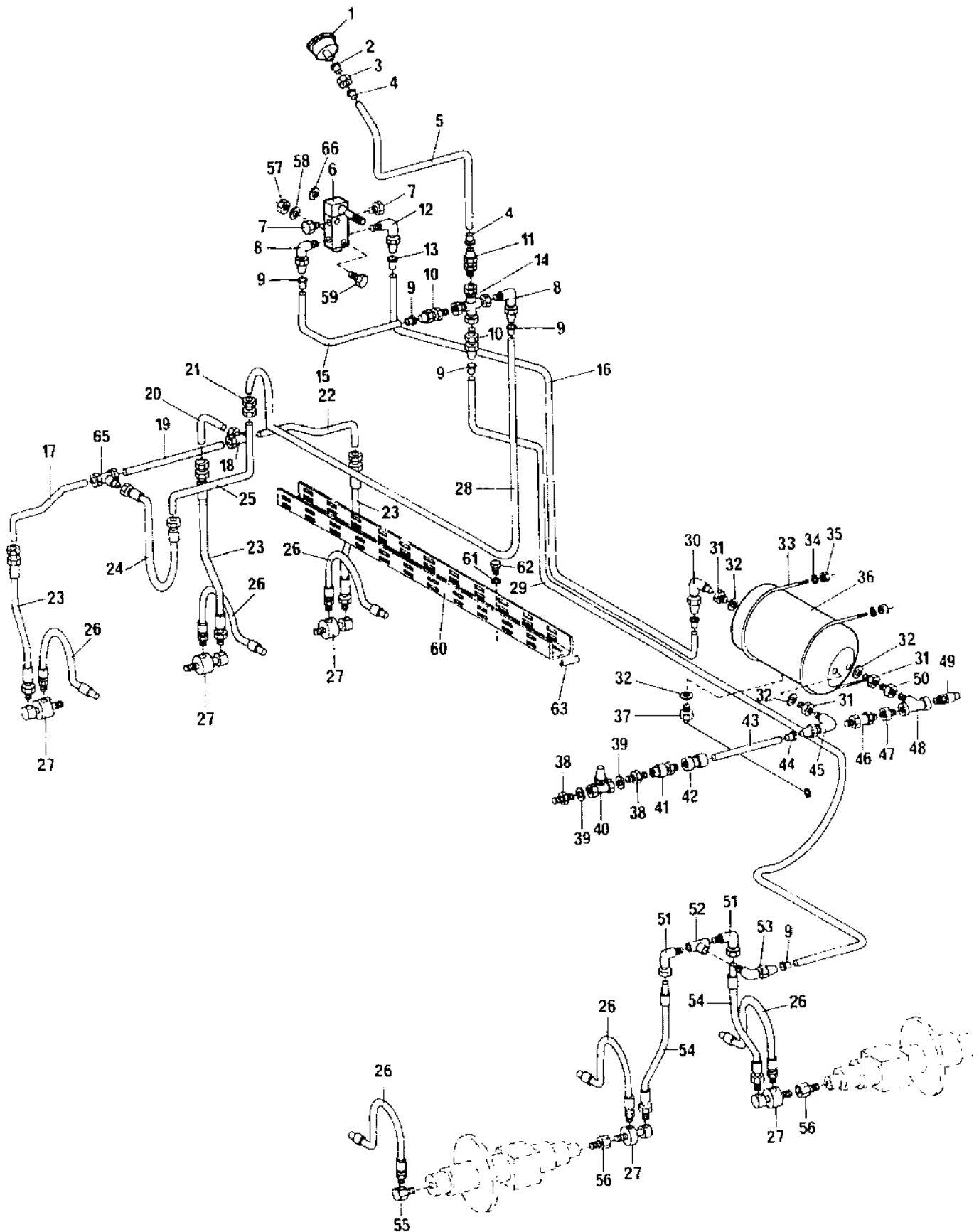
Air on the run SN 705B273- Option

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	266221		1	Manometer	D
2	231193		1	Sleeve	
	230520		1	Locking sleeve R6	
3	231192		1	Nut	
	904627		1	Nut M6	
4	920783		2	Insert	
5	247154		1	Pipe	
6	194362		1	Valve Up to 22620220	
	374791		1	Directional valve From 22620221	
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	
49	401106		1	Filler pipe	
50	334603		2	Bushing	

- A) L=1090 mm
 B) L=3500 mm
 C) L=350 mm
 J) Replaces earlier 902139

Air on the run SN 705B273- Option

16245



Air on the run SN 705B273- Option

Ref. No.	Part No.	Rem.	Qty	Description	Code
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	570004		2	Nut M6 Up to 22620220	
	570003		2	Nut M5 From 22620221	
58	615042		2	Conical spring washer	
59	500008		2	Screw M5-0,8x30 8,8 Up to 22620220	
	500099		2	Screw From 22620221	
60	191888	H	1	Channel	
	380251	I	1	Channel	
61	904735		8	Washer Up to 22620220	
	904281		8	Washer 5,3x10x1 From 22620221	
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				
H)	Width=70 mm				
I)	Width=100 mm				

Diagram brake circuit - 705B272

16246

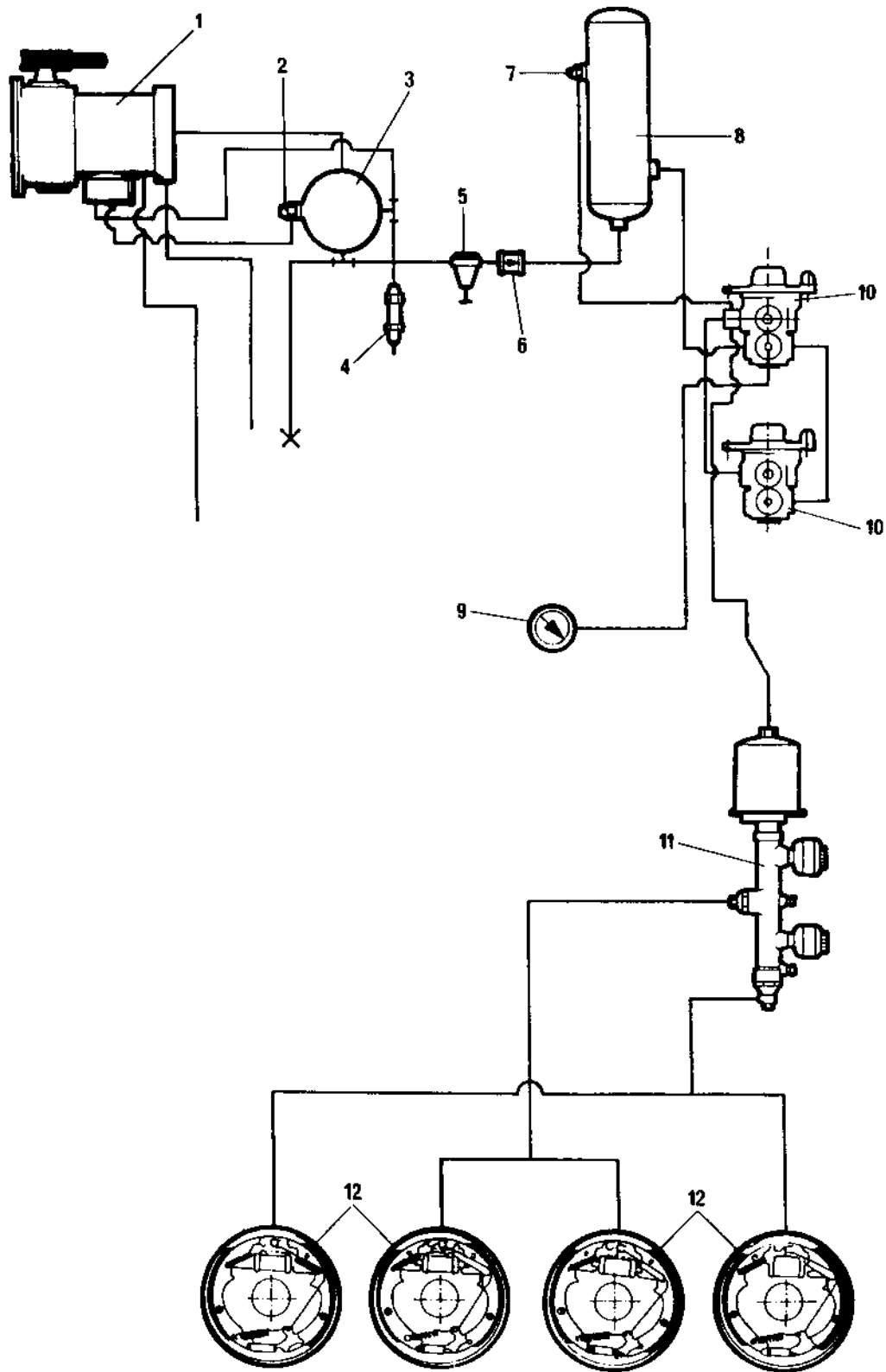


Diagram brake circuit - 705B272

Ref. No.	Part No.	Rem.	Qty	Description	Code
1				Compressor, see another assembly	
2	269137		1	Drain valve	D
3	192340		1	Air tank	
4	333062		1	Safety valve	D
5	243875		1	Manometer	
6	912120		1	Check valve	D
7	269137		1	Drain valve	D
8	255907		1	Air tank	
9	266221		1	Manometer	D
10	192002		2	Brake valve	
11			1	Master cylinder, see another assembly	
12			4	Wheel, see another assembly	

Diagram brake circuit 705B273 -

16292

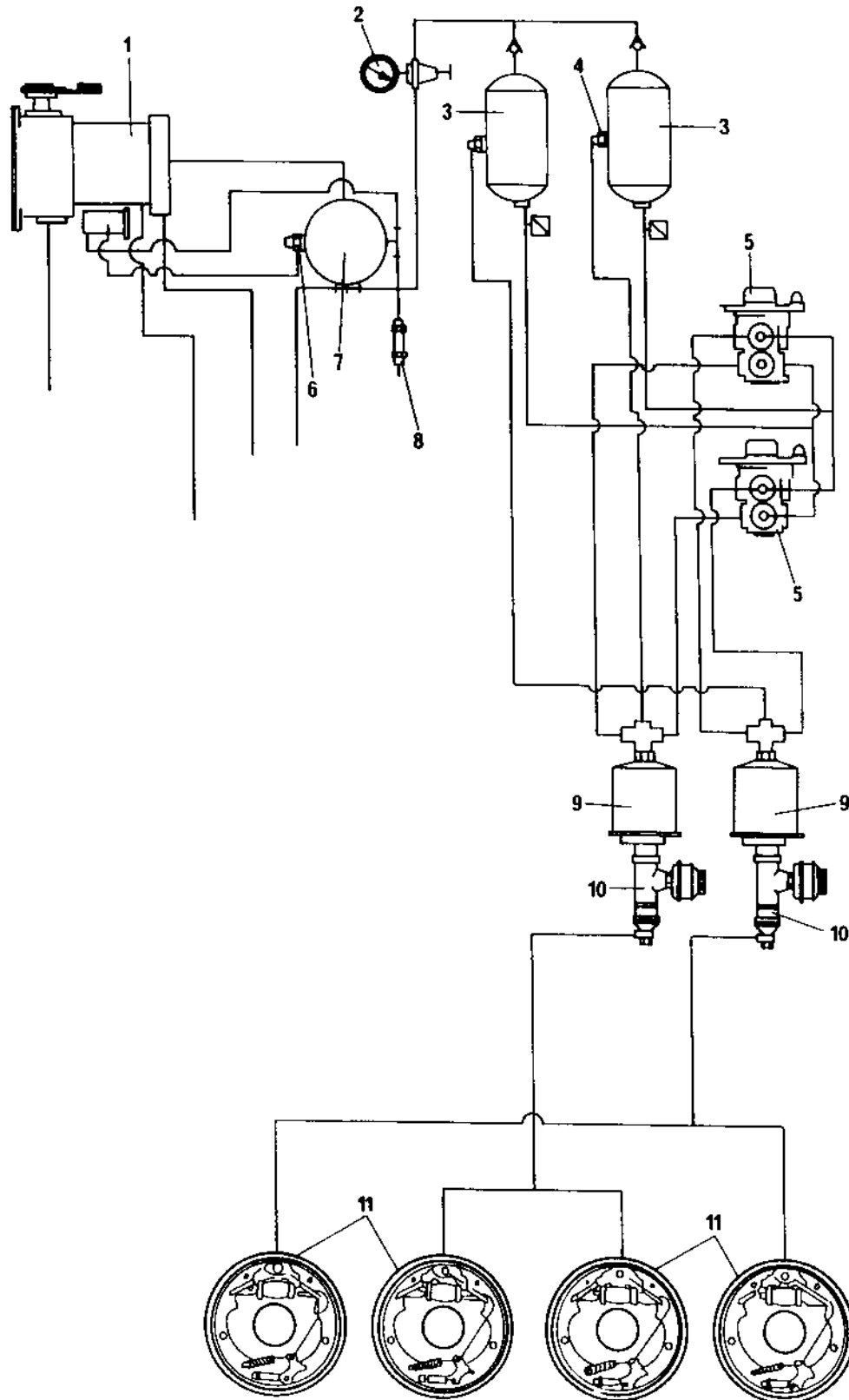
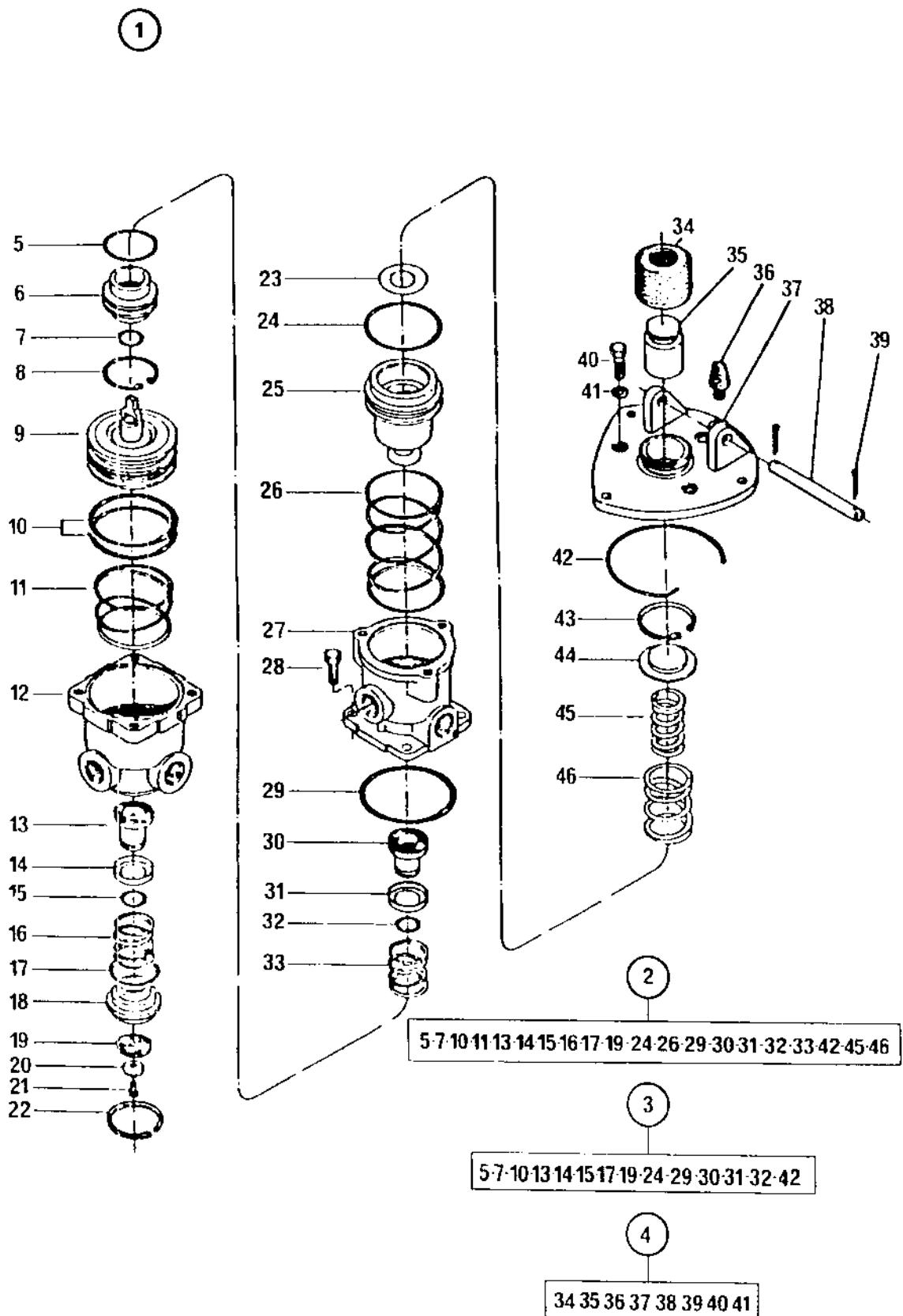


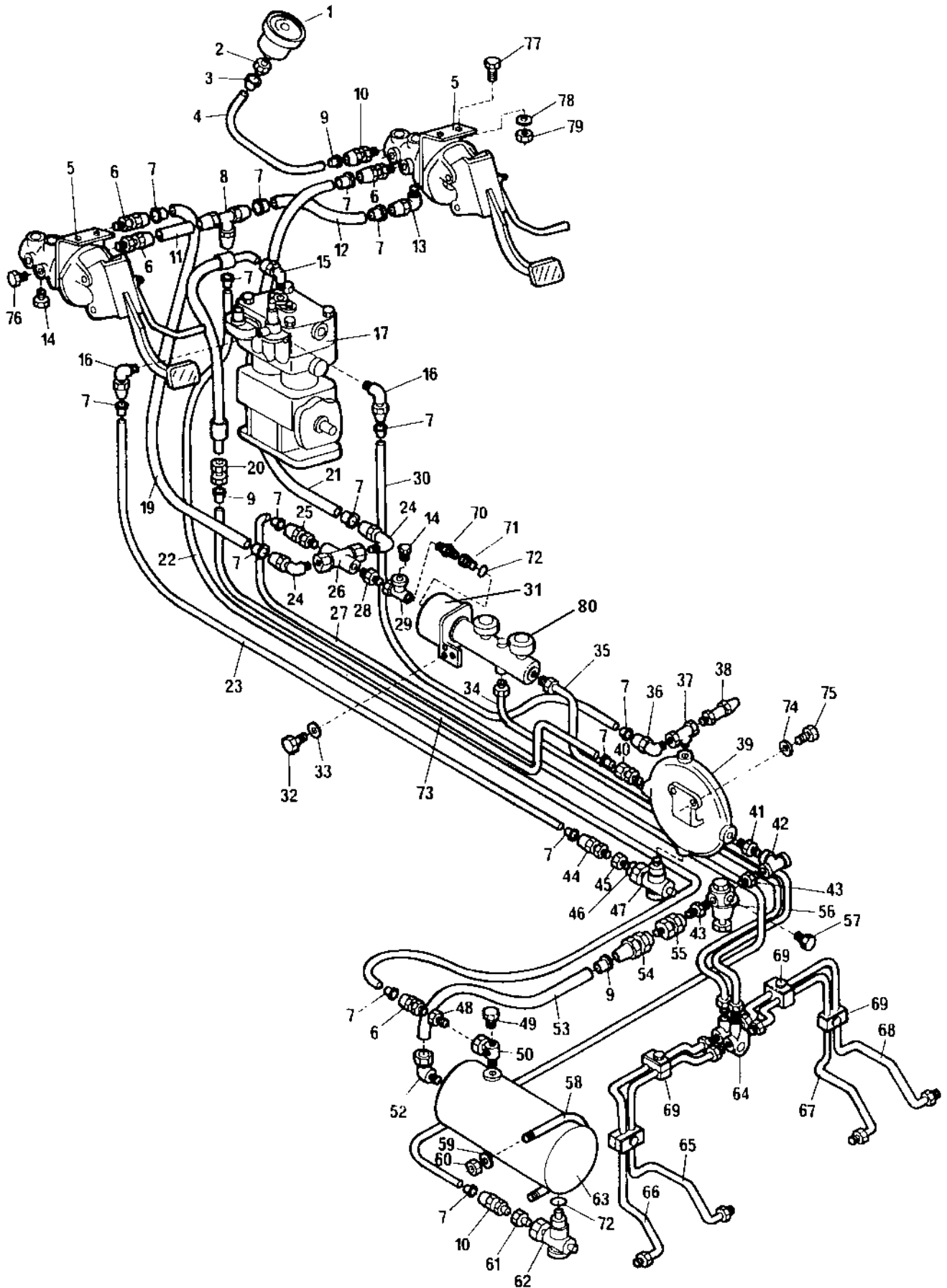
Diagram brake circuit 705B273 -

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	D
5	191533		2	Brake valve, Varga (Page 64)	
6	269137		1	Drain valve	D
7	384615	B	1	Air tank From 22620355	
8	333062		1	Safety valve	D
9	194402		2	Brake chamber (Page 78)	
10	194401		2	Brake master cylinder	
11			4	Wheel, see another assembly	
A)	Replaces earlier 194237				
B)	Replaces earlier 902139				



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	

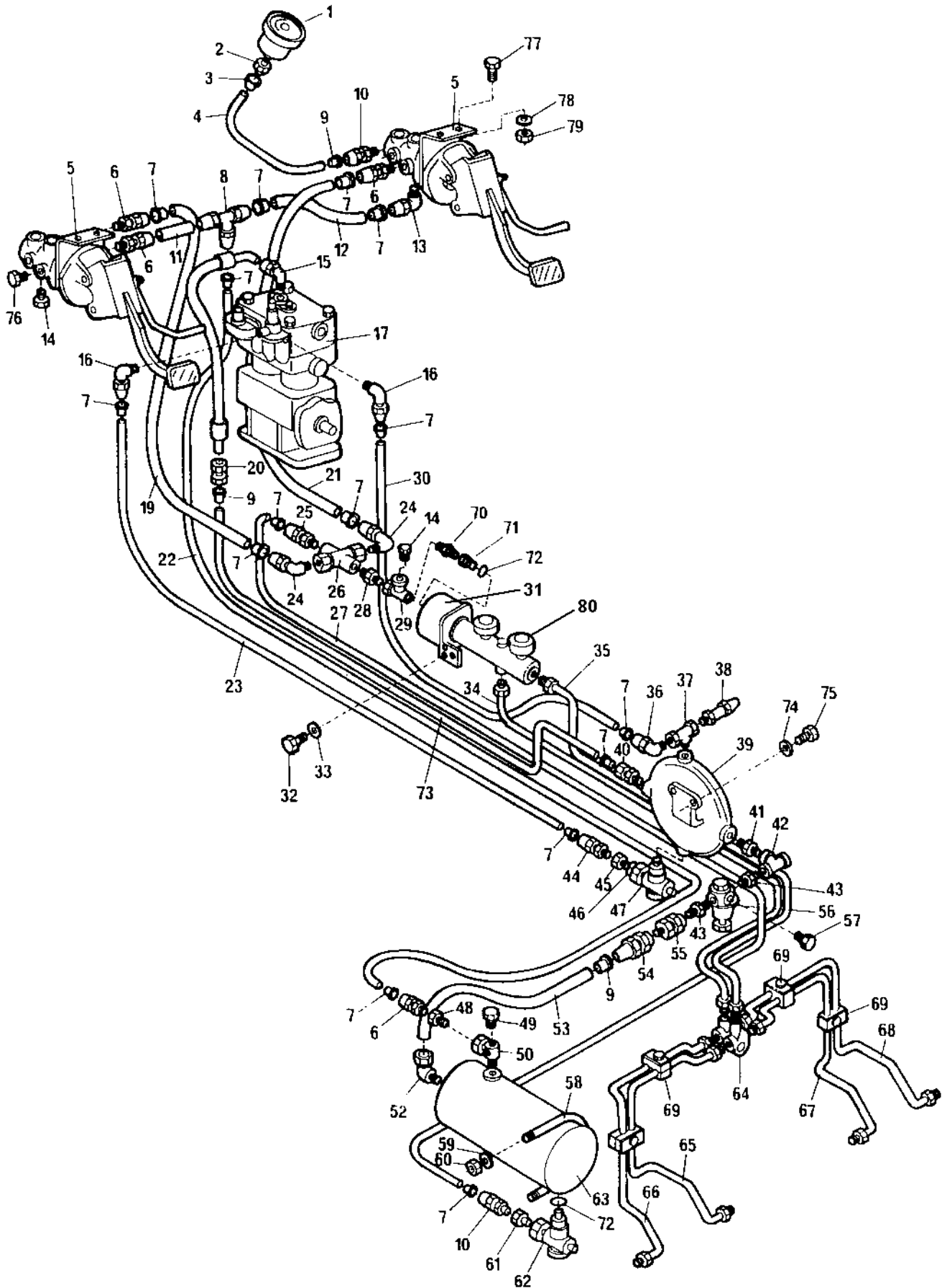


Brake circuit -705B272

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	266221		1	Manometer	D
2	231192		1	Nut	
3	231193		1	Sleeve	
4	247154		1	Pipe	
5			2	Pedal assembly Model See group 70	
6	900524		3	Brake connection	
7	920785		12	Insert	
8	920817		1	Brake connection	
9	920783		12	Insert	
10	920787		2	Pipe connection	
11	247152	A	1	Tube	D
12	247152	G	1	Tube	D
13	191921		1	Elbow	
14	192343		1	Plug	
15	191921		1	Elbow	
16			2	Connector	
17				Compressor, see another assembly	
18	240149		1	Hydraulic hose	
19	247152		1	Tube	D
20	191938		1	Nipple	
21	247152	B	1	Tube	D
22	247152	C	1	Tube	D
23	247154	D	1	Pipe	
24	920795		2	Brake connection	
25	920792		1	Brake connection	
26	191940		1	Valve	
27	247154	D	1	Pipe	
28	334394		1	Adapter	
29	249427		1	Tee-connector	
30	247154		1	Pipe	
31	243610		1	Brake chamber (Page 70)	
32	500028		3	Screw M10-1,5x25 8,8	
33	603023		3	Washer M10	
34	192003		1	Brake line	
35	192004		1	Brake line	
36	920792		1	Brake connection	
37	235007		1	Tee-connector	
38	333062		1	Safety valve	D
39	240257		1	Air tank Up to 696B343	
	192340		1	Air tank From 696B344 Up to 705B272	
40	191921		1	Elbow	
41	813722		1	Nipple	
42	814262		1	Tee-connector	
43	234317		2	Nipple	
44	920787		1	Pipe connection	
45	249872		1	Reducing adapter	
46	330333		1	Copper washer	D
47	269137		1	Drain valve	D
48	190904		1	Adapter	
49	232077		1	Plug	
50	192348		1	Connection	
51	401106		1	Filler pipe	
52	191926		1	Elbow	
53	247153	E	1	Tube	
A) L=500 mm					
B) L=1100 mm					
C) L=3100 mm					
D) L=3000 mm					
E) L=400 mm					
G) L=650 mm					

Brake circuit -705B272

16247-1



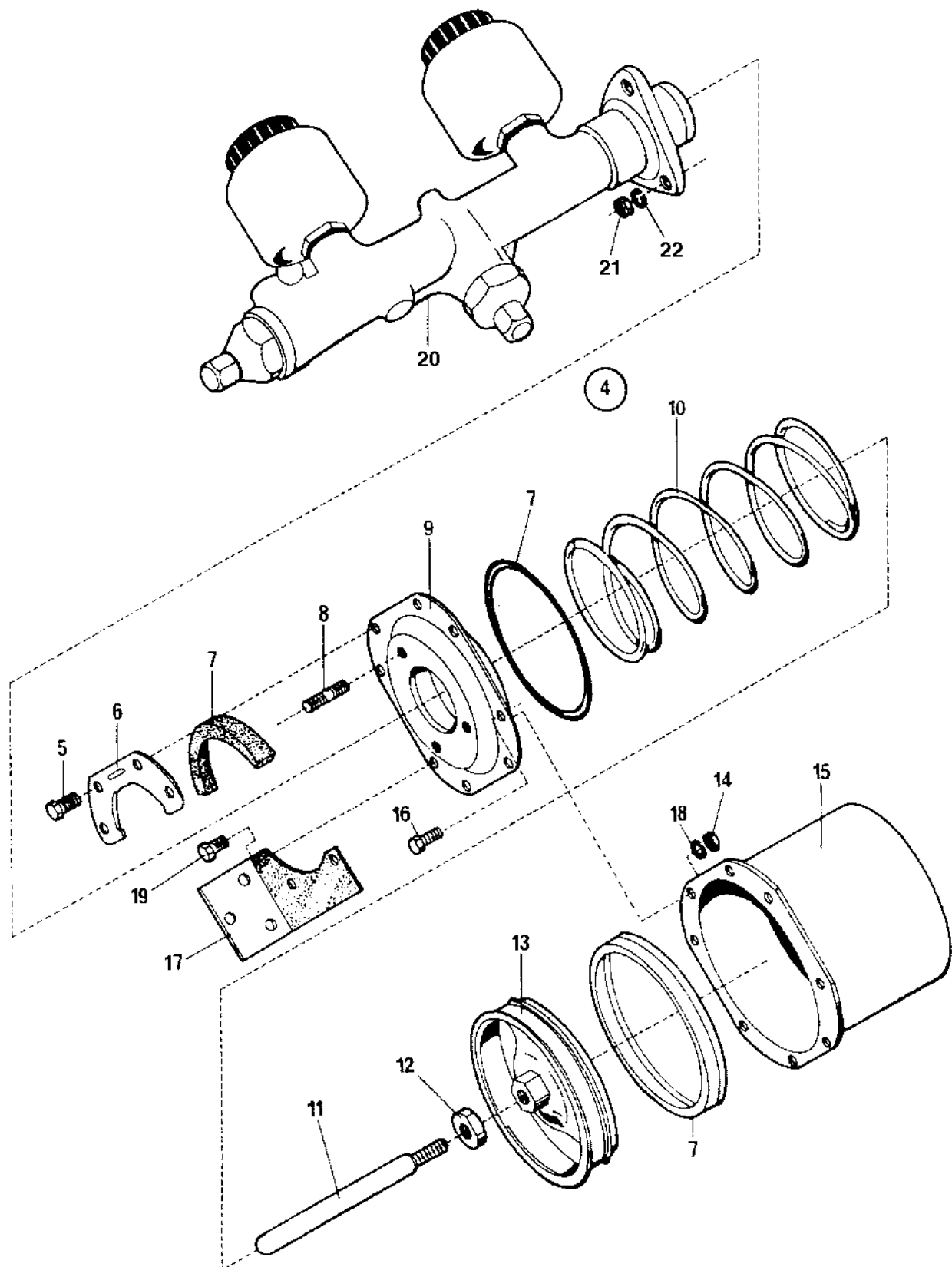
Brake circuit -705B272

Ref. No.	Part No.	Rem.	Qty	Description	Code
54	268920		1	Adapter	
55	912120		1	Check valve	D
56	243875		1	Manometer	
57	232078		1	Plug	
58	251911		2	Clamp	
59	615044		4	Conical spring washer	D
60	571003		4	Nut UNC 3/8 - 16	
61	249872		1	Reducing adapter	
62	269137		1	Drain valve	D
63	255907		1	Air tank	
64	745072		2	Tee-connector	
65	191934		1	Brake tube	
66	191937		1	Brake tube	
67	191935		1	Brake tube	
68	191936		1	Brake tube	
69	258015		4	Clamp	
70	813438		1	Nipple	
71	234729		1	Reducing nipple	
72	330333		2	Copper washer	D
73	247152	F	1	Tube Up to 705B224	D
	193601		1	Hose From 705B225	
74	603019		2	Washer	
75	500021		2	Screw M8-1,25x25 8,8	
76	192341		2	Plug	
77	500029		8	Screw M10-1,5x30 8,8	
78	615044		8	Conical spring washer	D
79	570006		8	Nut M10	
80	415209		1	Master cylinder (Page 72)	

F) L=2500 mm

243610 Brake chamber

16251-1

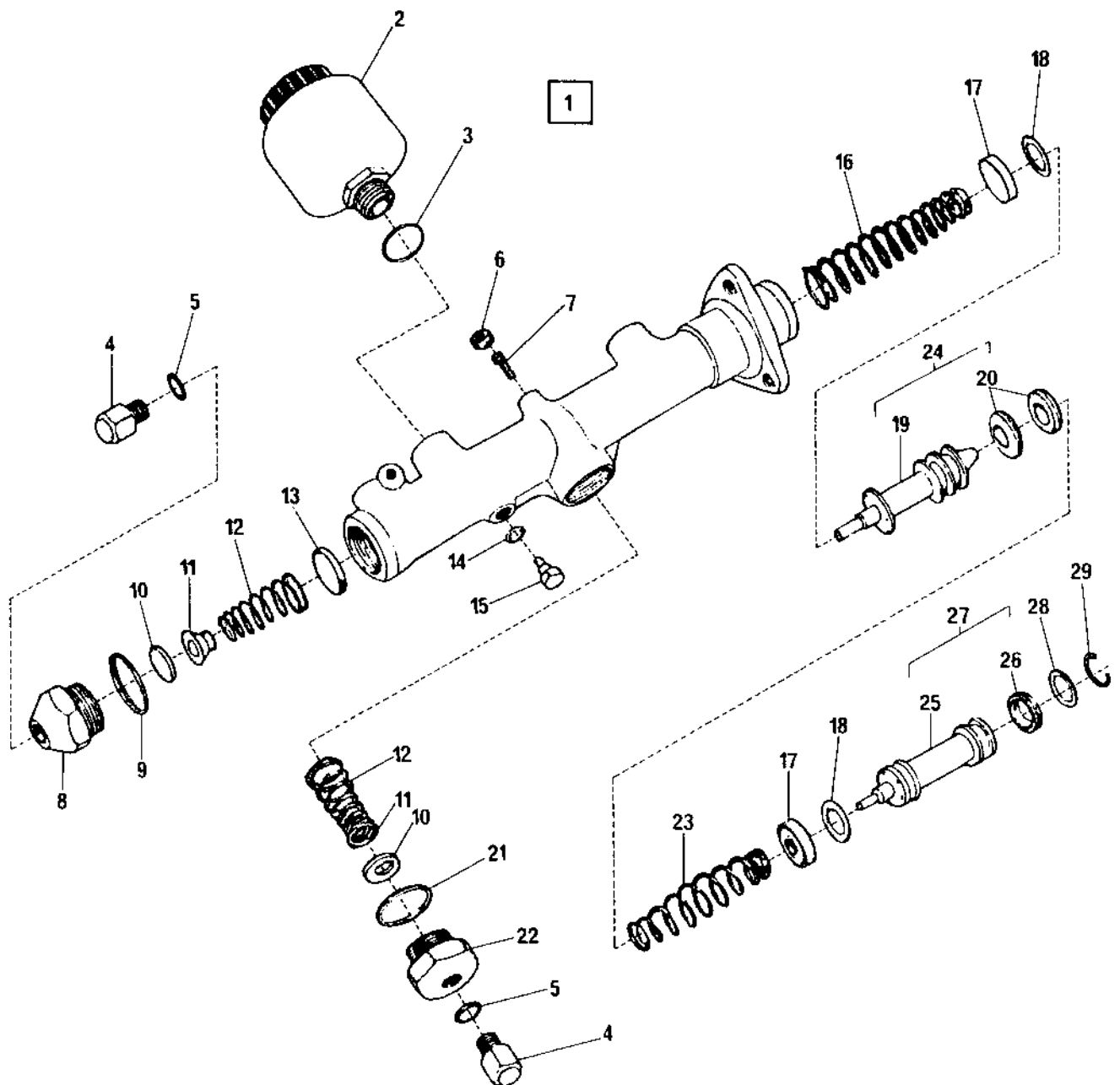


243610 Brake chamber

Ref. No.	Part No.	Rem.	Qty	Description	Code
4			1	Brake chamber	
5	500021		4	.Screw M8-1,25x25 8,8	
6	415279		1	.Protecting plate	
7	926871		1	.Repair set	
8	415285		3	.Stud	
9	415282		1	.Cylinder cover	
10	268964018		1	.Spring	
11	415283		1	.Piston rod	
12	268964019		1	.Nut	
13	415281		1	.Piston	
14	570005		8	.Nut M8	
15	415278		1	.Roller	
16	500019		1	Screw M8-1,25x16 8,8	
17	243886		1	Support	
18	604005		3	Spring washer	
19	500022		3	Screw M8-1,25x30 8,8	
20	415209		1	Master cylinder (Page 72)	
21	570006		3	Nut M10	
22	604006		3	Washer	

415209 Master cylinder

16252



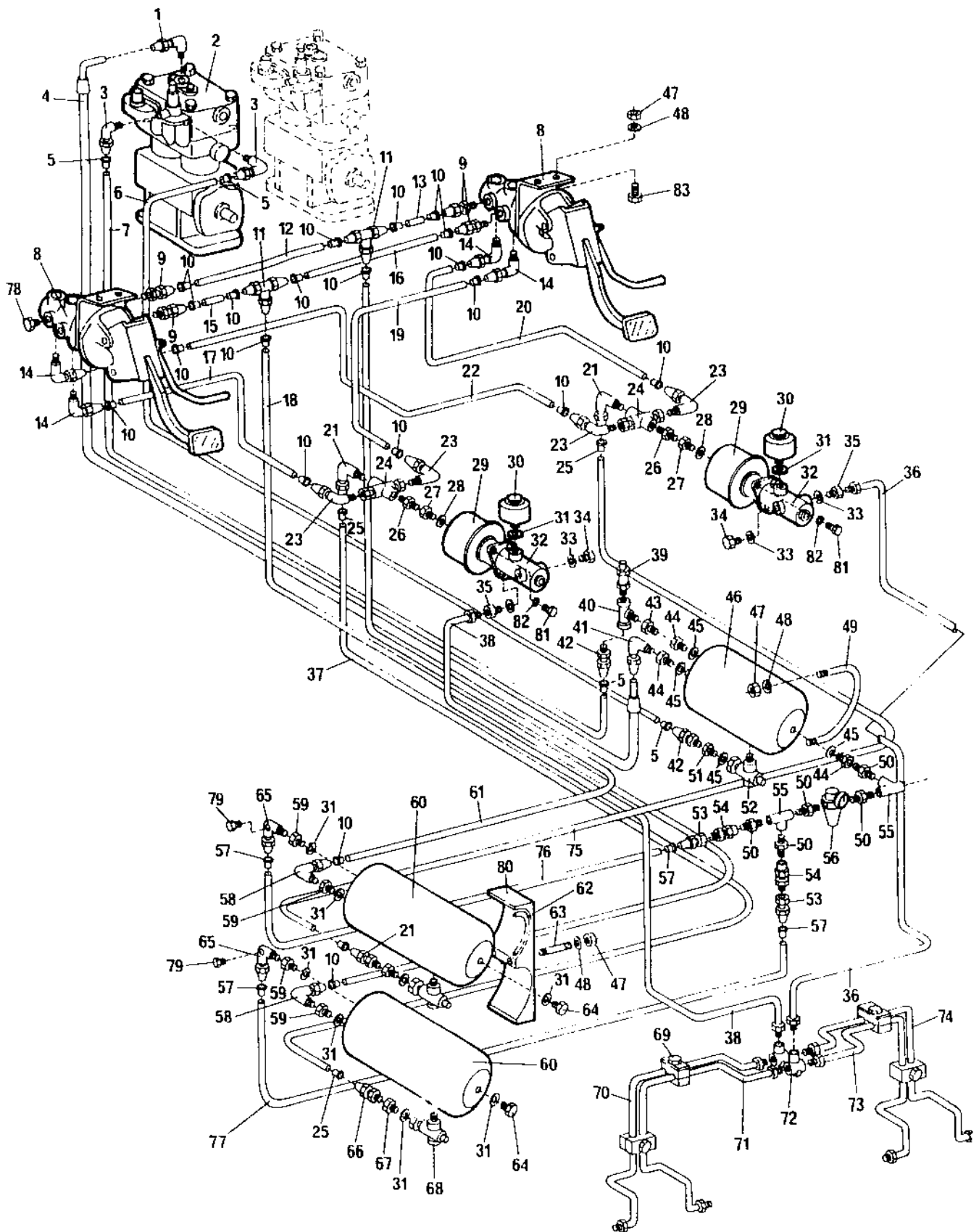
31
6-10-11-12-16-17-18-21-23-24-27
30
6-10-11-17-18-21-24-27
32
6-10-11-17-18-20-21-26

415209 Master cylinder

Ref. No.	Part No.	Rem.	Qty	Description	Code
1				Master cylinder, cpl	
2	415277		2	.Oil tank	
3	330333		2	.Copper washer	D
4	415320		2	.Nipple	
5	747282		3	.Copper washer 14x20x1,5	
6			2	.Screw protection	
7			2	.Screw	
8			1	.Plug	
9			1	.Seal ring	
10			2	.Valve seat	
11			2	.Retaining valve	
12			2	.Valve spring	
13			1	.Spring stop	
14			1	.Washer	
15			1	.Screw	
16			1	.Spring	
17			2	.Rubber pad	
18			2	.Washer	
19			1	.Secondary piston	
20			2	.Rubber pad	
21			1	.Seal ring	
22			1	.Plug	
23			1	.Spring	
24			1	.Piston	
25			1	.Primary piston	
26			1	.Rubber pad	
27			1	.Primary piston	
28			1	.Washer	
29			1	.Snap ring	
30	926964		1	Repair kit	
31	923226		1	Repair kit	
32	243280		1	Repair kit	

Brake circuit 705B273 - SN 22620229

16248



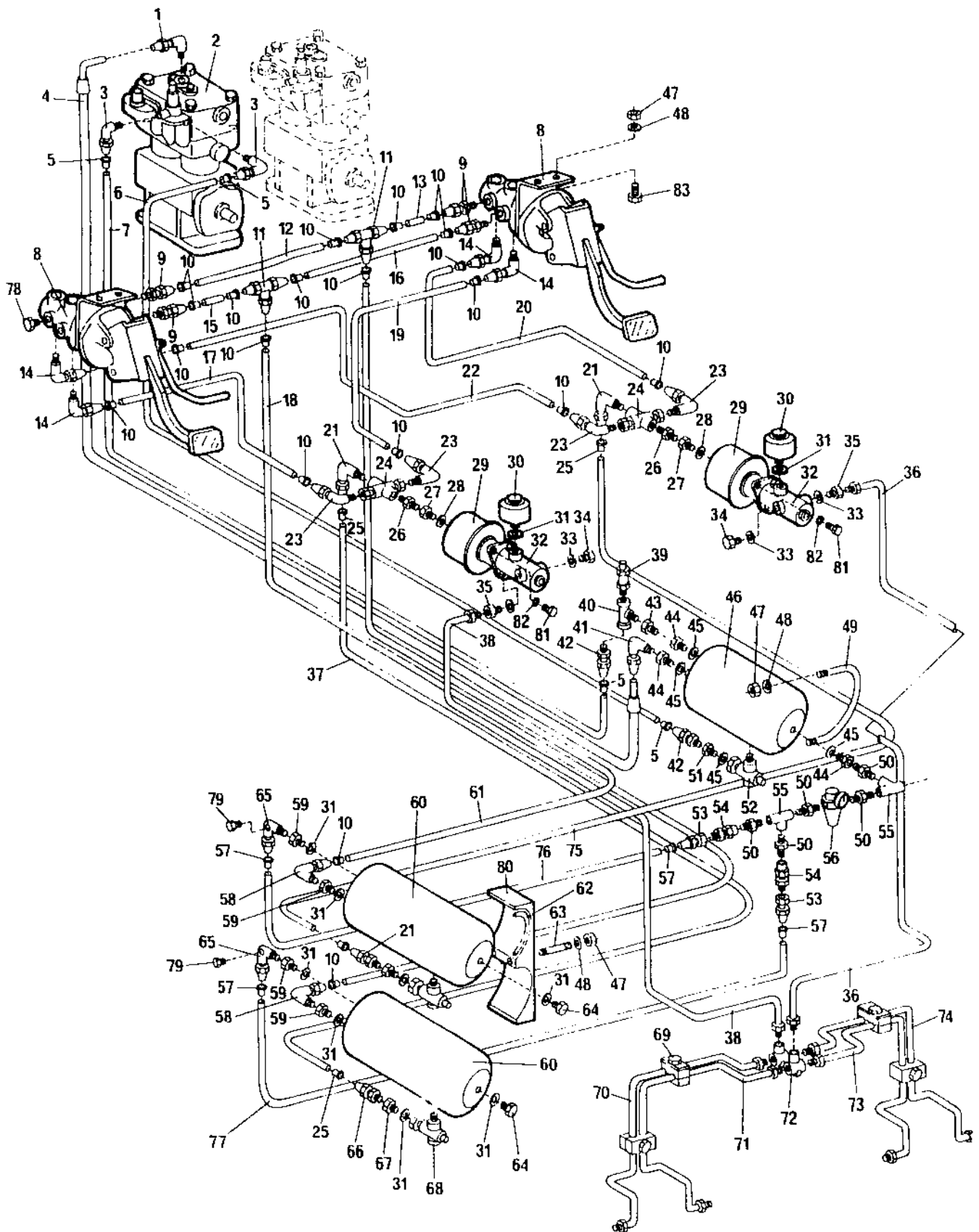
Brake circuit 705B273 - SN 22620229

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191921		1	Elbow	
2				Compressor, see another assembly	
3	249608		2	Adapter 90deg	
4	193601		1	Hose	
5	920783		2	Insert	
6	247154	A	1	Pipe	
7	247154	A	1	Pipe	
8	194233		2	Brake pedal	
9	920790		4	Nipple	
10	920785		20	Insert	
11	920817		2	Brake connection	
12	247152	B	1	Tube	D
13	247152	C	1	Tube	D
14	268964022		4	Adapter 90deg	
15	247152	D	1	Tube	D
16	247152	E	1	Tube	D
17	247152	F	1	Tube	D
18	247152	G	1	Tube	D
19	247152	H	1	Tube	D
20	247152	F	1	Tube	D
21	920792		3	Brake connection	
22	247152	I	1	Tube	D
23	920795		4	Brake connection	
24	191940		2	Valve	
25	920783		6	Insert	
26	234257		2	Nipple	
27	190901		2	Adapter	
28	330330		2	Washer	
29	194402		2	Brake chamber (Page 78)	
30	415277		2	Oil tank	
31	330330		10	Washer	
32	194401		2	Brake master cylinder	
33	330328		4	Washer 10x14x1	
34	194408		2	Plug	
35	194407		2	Connection	
36	194803		1	Brake pipe	
37	247154	J	1	Pipe	
38	194802		1	Brake line	
39	333062		1	Safety valve	D
40	235007		1	Tee-connector	
41	191921		1	Elbow	
42	920787		2	Pipe connection	
43	334603		1	Bushing	
44	234729		3	Reducing nipple	
45	330333		4	Copper washer	D
46	384615	N	1	Air tank From 22620355	

- A) L=2300 mm
- B) L=880 mm
- C) L=200 mm
- D) L=140 mm
- E) L=940 mm
- F) L=800 mm
- G) L=4000 mm
- H) L=435 mm
- I) L=1350 mm
- J) L=1280 mm
- N) Replaces earlier 902139

Brake circuit 705B273 - SN 22620229

16248



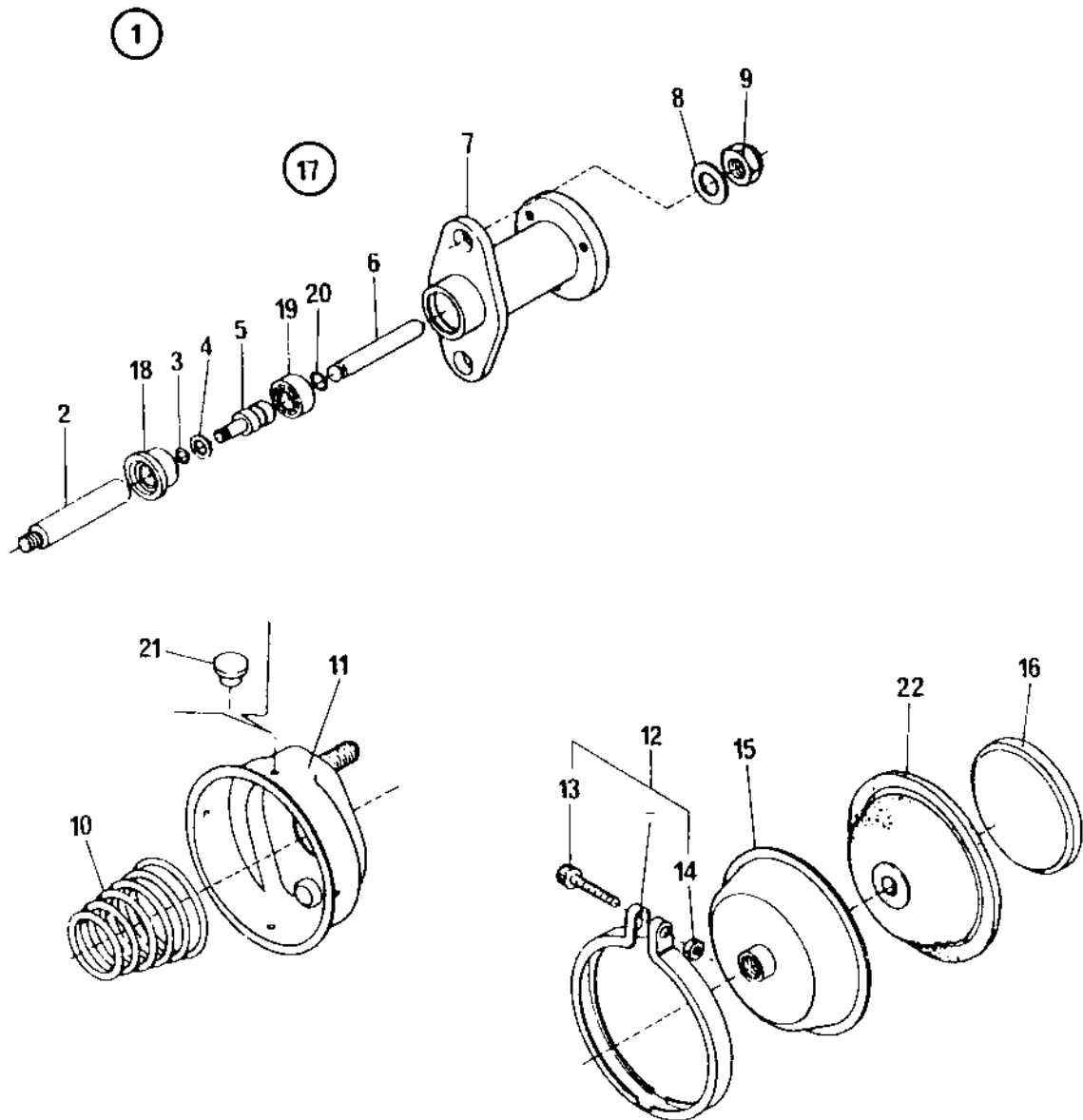
Brake circuit 705B273 - SN 22620229

Ref. No.	Part No.	Rem.	Qty	Description	Code
47	570006		14	Nut M10	
48	904230		14	Washer 10,5x22x2	
49	194366		2	Clamp	
50	813722		5	Nipple	
51	249872		1	Reducing adapter	
52	269137		1	Drain valve	D
53	268920		2	Adapter	
54	912120		2	Check valve	D
55	814262		2	Tee-connector	
56	194410		1	Pressure relief valve, cpl	
	197901		1	.Gauge	
57	920786		4	Insert	
58	191921		2	Elbow	
59	234729		4	Reducing nipple	
60	384614	P	2	Air tank From 22620355	
61	247152	K	1	Tube	D
62	202028	F		Edge trim	
63	194372		2	Stud	
64	232052		2	Plug	D
65	194213		2	Elbow	
66	920787		1	Pipe connection	
67	249872		2	Reducing adapter	
68	269137		2	Drain valve	D
69	258015		4	Clamp	
70	191937		1	Brake tube	
71	191934		1	Brake tube	
72	754072		2	Lock	
73	191935		1	Brake tube	
74	191936		1	Brake tube	
75	247154	L	1	Pipe	
76	247153	M	1	Tube	
77	247153	B	1	Tube	
78	192342		8	Plug	
79	256485		2	Adapter	
80	194371		1	Bracket	
81	500022		6	Screw M8-1,25x30 8,8	
82	904229		6	Washer 8,4x16x1,5	
83	500030		8	Screw M10-1,5x35H 8,8	
84	814259		8	Rubber grommet	D

- B) L=880 mm
 F) L=800 mm
 K) L=3600 mm
 L) L=5500 mm
 M) L=850 mm
 P) Replaces earlier 194237

194402 Brake chamber

16253

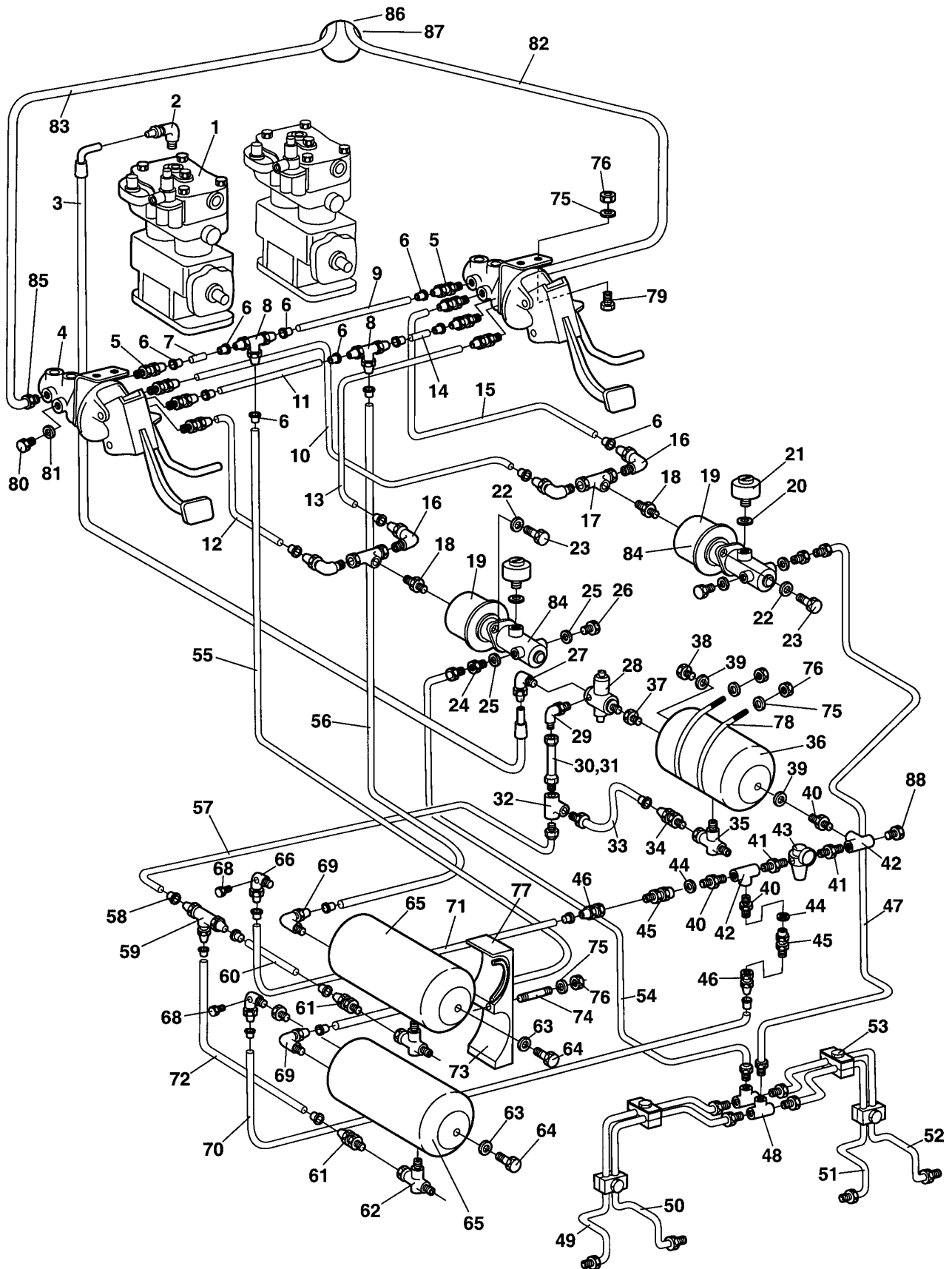


194402 Brake chamber

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Brake chamber, cpl	D
2	195195		1	.Shaft	
3	195206		1	.Retaining ring	
4	195207		1	.Spacer	
5	195208		1	.Pin	
6	195211		1	.Shaft	
7	195194		1	.Locking flange	
8	195193		2	.Washer	
9	195192		2	.Lock nut	
10	195198		1	.Spring	
11	195196		1	.Cover	
12	195202		1	.Clamp	
13	195203		1	.Screw	
14	195204		1	.Nut	
15	195201		1	.Roller	
16	195199		1	.Piston	
17	195212		1	.Repair kit	D
18	195205		1	..Gasket	
19	195209		1	..Guide ring	
20	195210		1	..O-ring	
21	195197		3	..Filler cap	
22	195200		1	..Diaphragm	

Brake circuit SN 22620230 -

16301-1

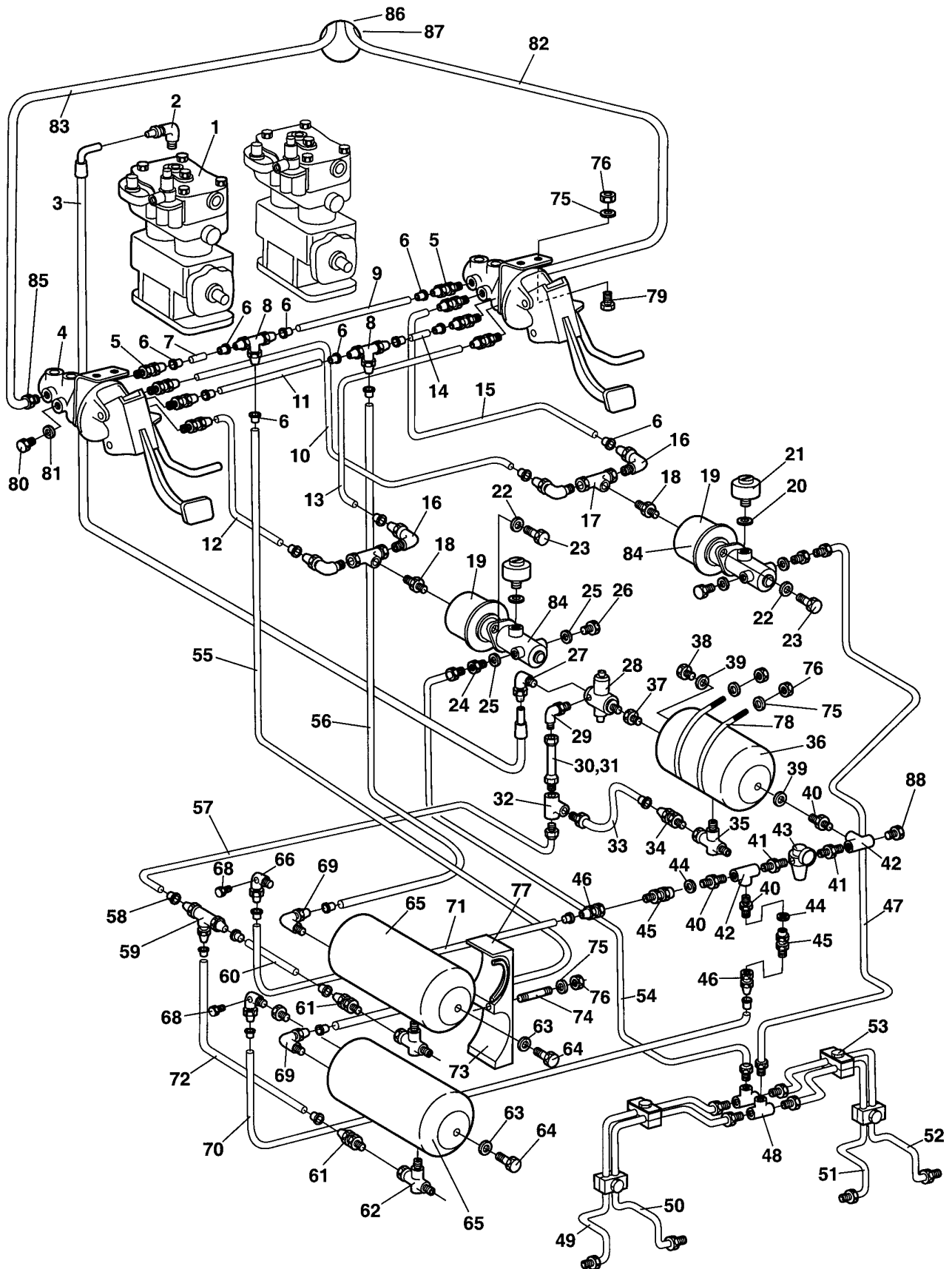


Brake circuit SN 22620230 -

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	195823	Q	1	Hose	
	196586		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 (Page 78)	
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	

- 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) Replaced by improved hose 196586
 R) Replaces earlier 902139



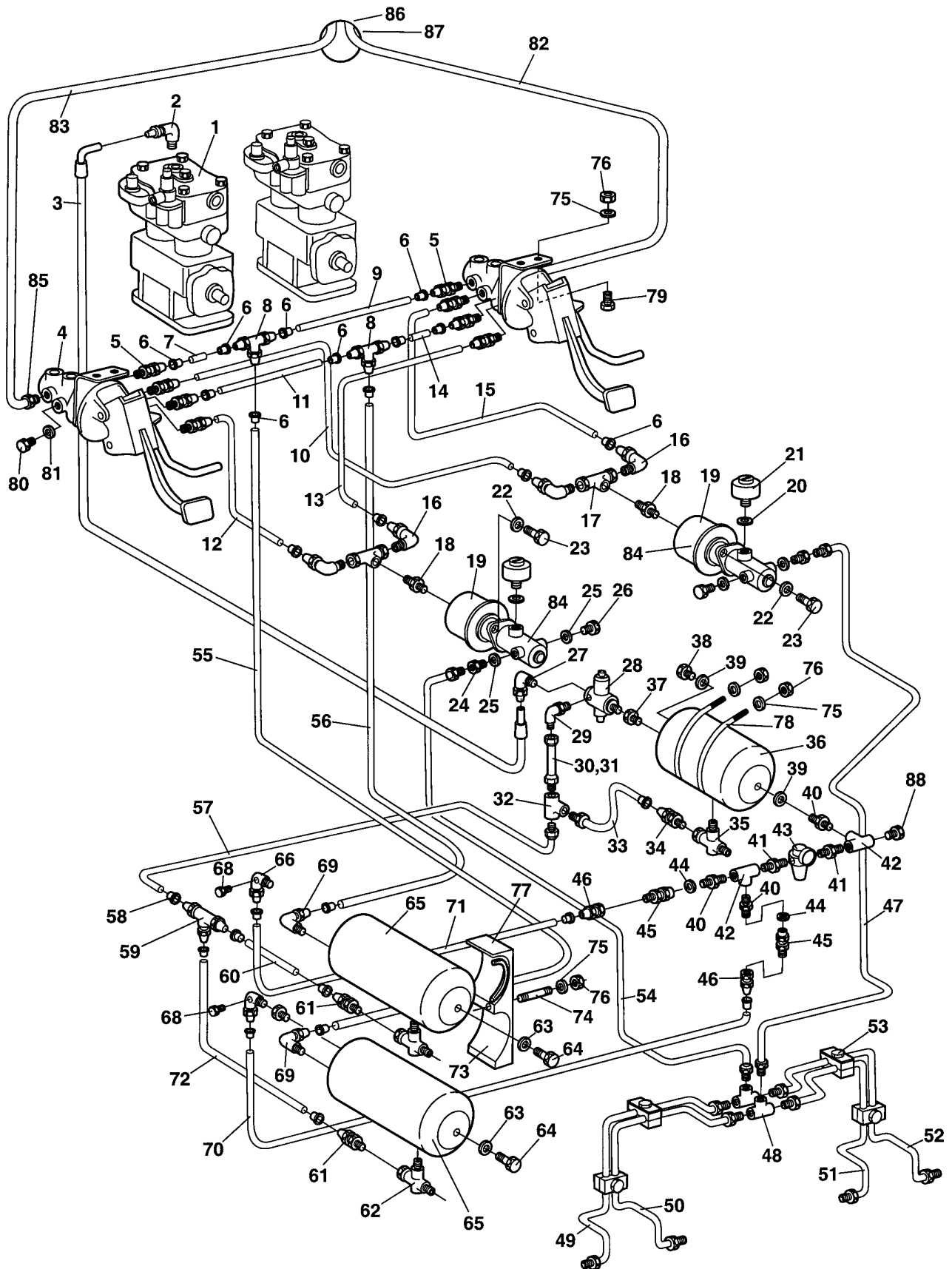
Brake circuit SN 22620230 -

Ref. No.	Part No.	Rem.	Qty	Description	Code
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	
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

- 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 SN 22620230 -

16301-1

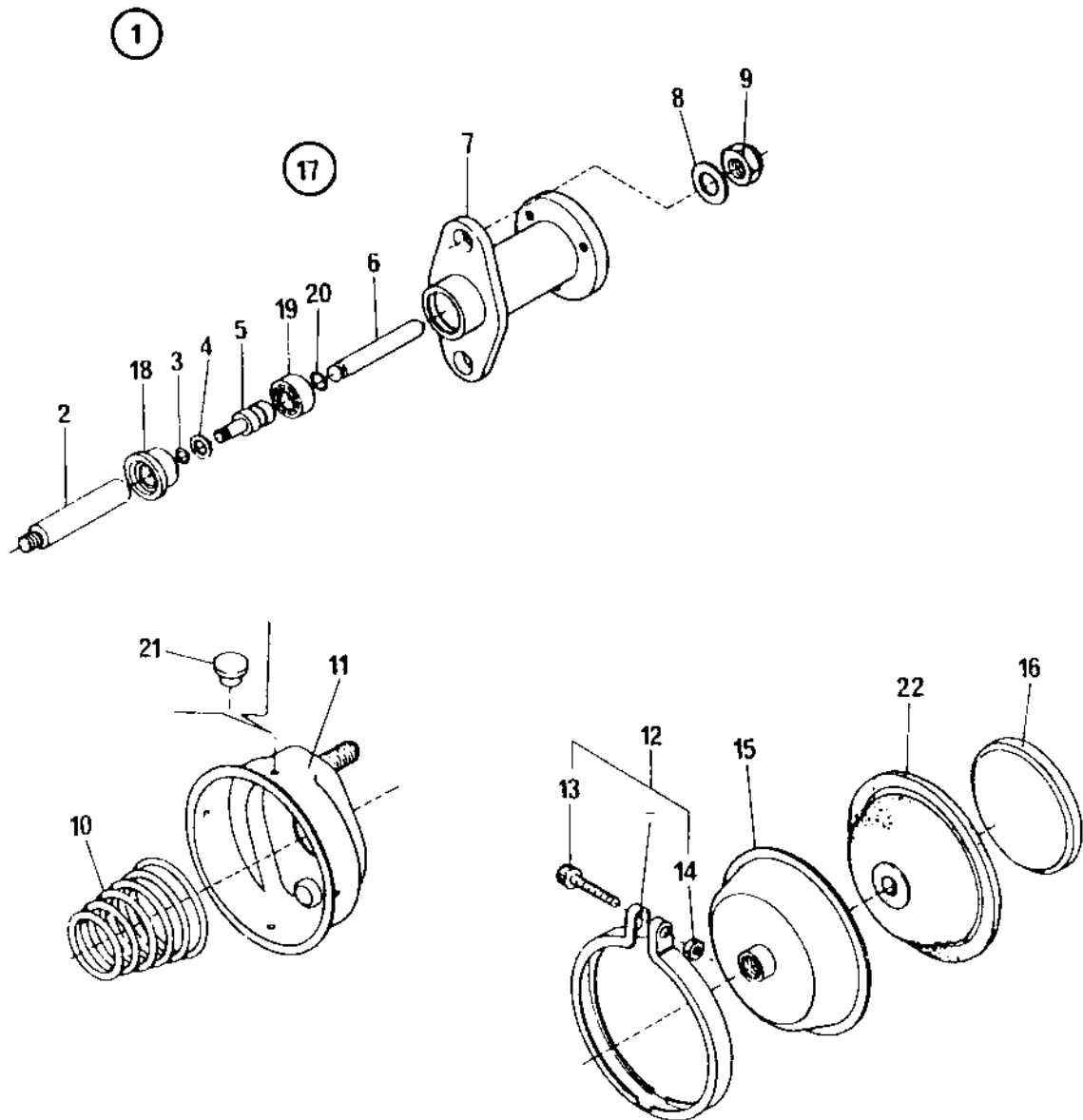


Brake circuit SN 22620230 -

Ref. No.	Part No.	Rem.	Qty	Description	Code
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	

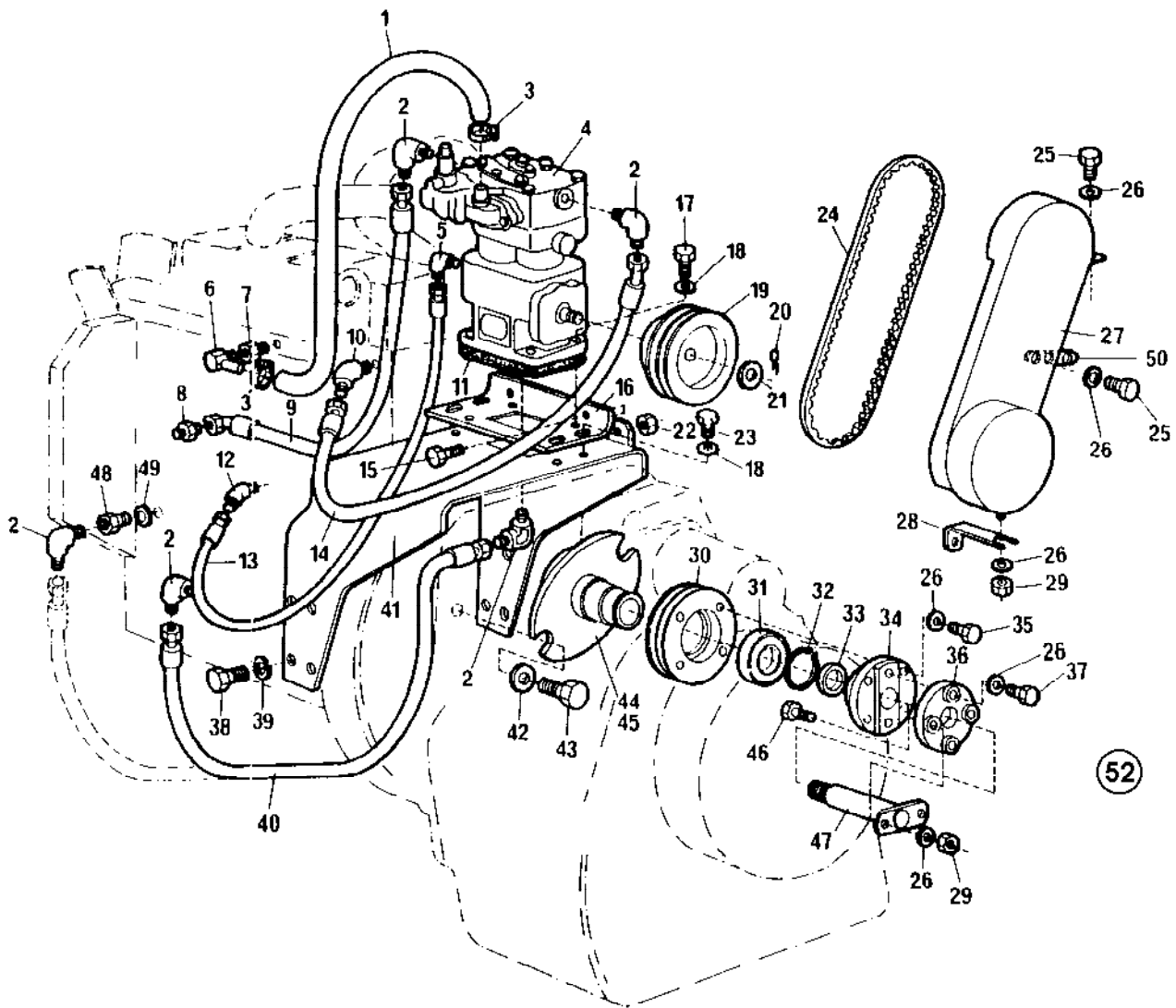
194402 Brake chamber

16253



194402 Brake chamber

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Brake chamber, cpl	
2	195195		1	.Shaft	
3	195206		1	.Retaining ring	
4	195207		1	.Spacer	
5	195208		1	.Pin	
6	195211		1	.Shaft	
7	195194		1	.Locking flange	
8	195193		2	.Washer	
9	195192		2	.Lock nut	
10	195198		1	.Spring	
11	195196		1	.Cover	
12	195202		1	.Clamp	
13	195203		1	.Screw	
14	195204		1	.Nut	
15	195201		1	.Roller	
16	195199		1	.Piston	
17	195212		1	.Repair kit	D
18	195205		1	..Gasket	
19	195209		1	..Guide ring	
20	195210		1	..O-ring	
21	195197		3	..Filler cap	
22	195200		1	..Diaphragm	

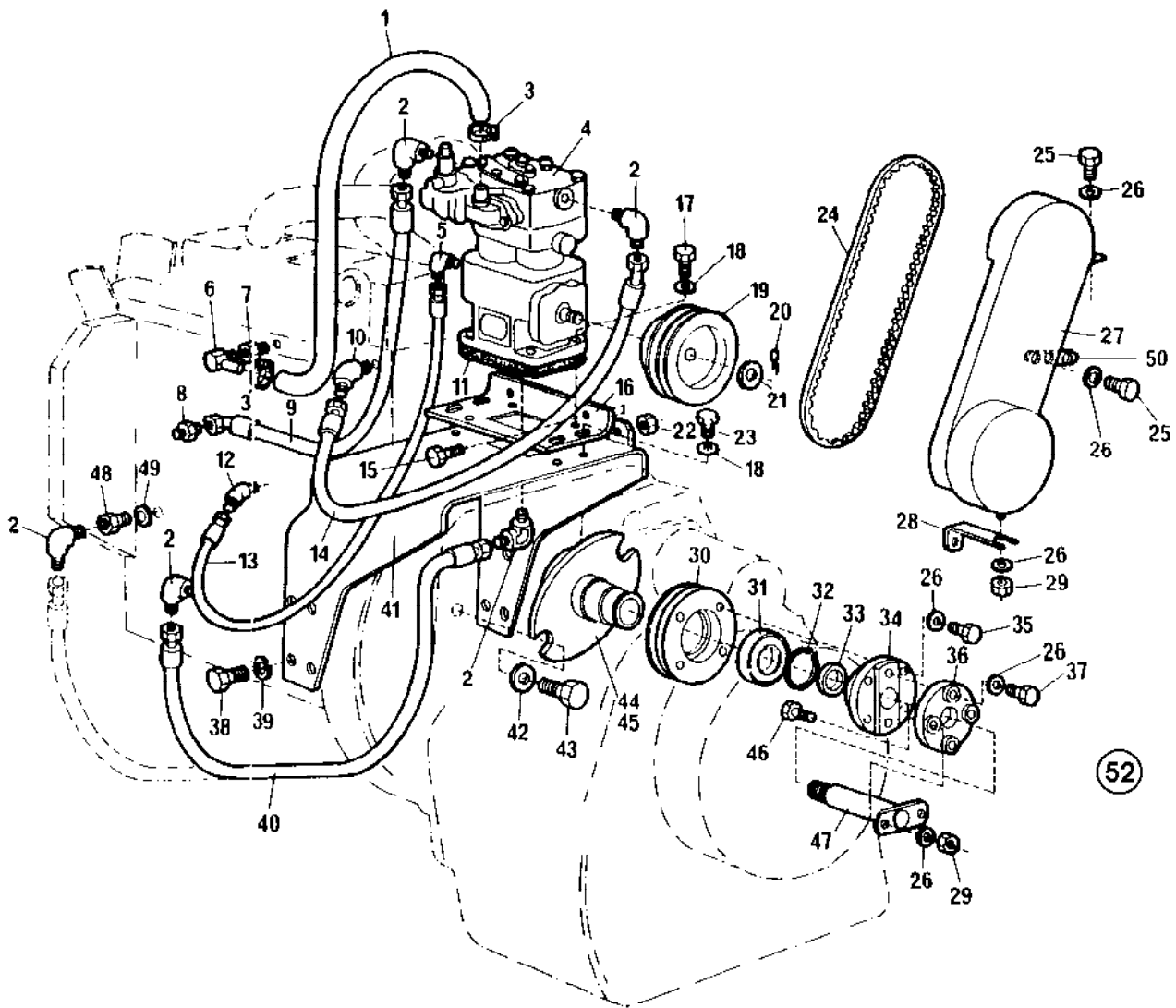


Compressor assembly -SN 22620229

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	246072	A	1	Hose	
2	813435		4	Adapter	
3	313004		2	Hose clamp	
4	191072	B	1	Compressor Varga	
5	234342		1	Adapter	
6	928081		1	Hose connector	
7	813454		1	Nipple	
8	334117		1	Adapter	
9	482466		1	Hydraulic hose	
10	813445		1	Elbow 45	
11	251842		1	Gasket	
12	234341		1	Elbow 45	
13	482257		1	Hydraulic hose	
14	482169		1	Hydraulic hose	D
15	500241		2	Screw	
16	191957		1	Holder plate	
17	500028		4	Screw M10-1,5x25 8,8	
18	603023		8	Washer M10	
19	191954		1	Compressor pulley	
20	630010		1	Split pin	
21	600014		1	Washer	
22	570006		2	Nut M10	
23	500031		4	Screw M10-1,5x40 8,8	
24	192097		1	Belt	D
25	500019		3	Screw M8-1,25x16 8,8	
26	904229		8	Washer 8,4x16x1,5	
27	195921		1	Belt guard	
28	192189		1	Bracket	
29	586003		2	Lock nut M8	
30	191952		1	Pulley Up to 705B249	
	194222		1	Pulley From 705B250	
31	111240		1	Bearing Up to 705B249	
	111059		1	Bearing From 705B250	
32	150018		1	Snap ring Up to 705B249	
	150017		1	Retaining ring From 705B250	D
33	192145		1	Seal ring	
34	192128		1	Cover Up to 705B249	
	194221		1	Cover From 705B250	
35	192812		4	Screw	
36	260574	B	1	Coupling Up to 705B249	
	904410	B	1	Coupling From 705B250	

A) L=640 mm

B) Advise: Due to big improvements mentioned in MI 99004, 99006 and 99014, we recommend to upgrade to the same type of compressor installation as shown for CP221 from S/N 22620273 and CP271 from S/N 23620355. To upgrade, you need a rebuilding kit, P/N: see item 52



Compressor assembly -SN 22620229

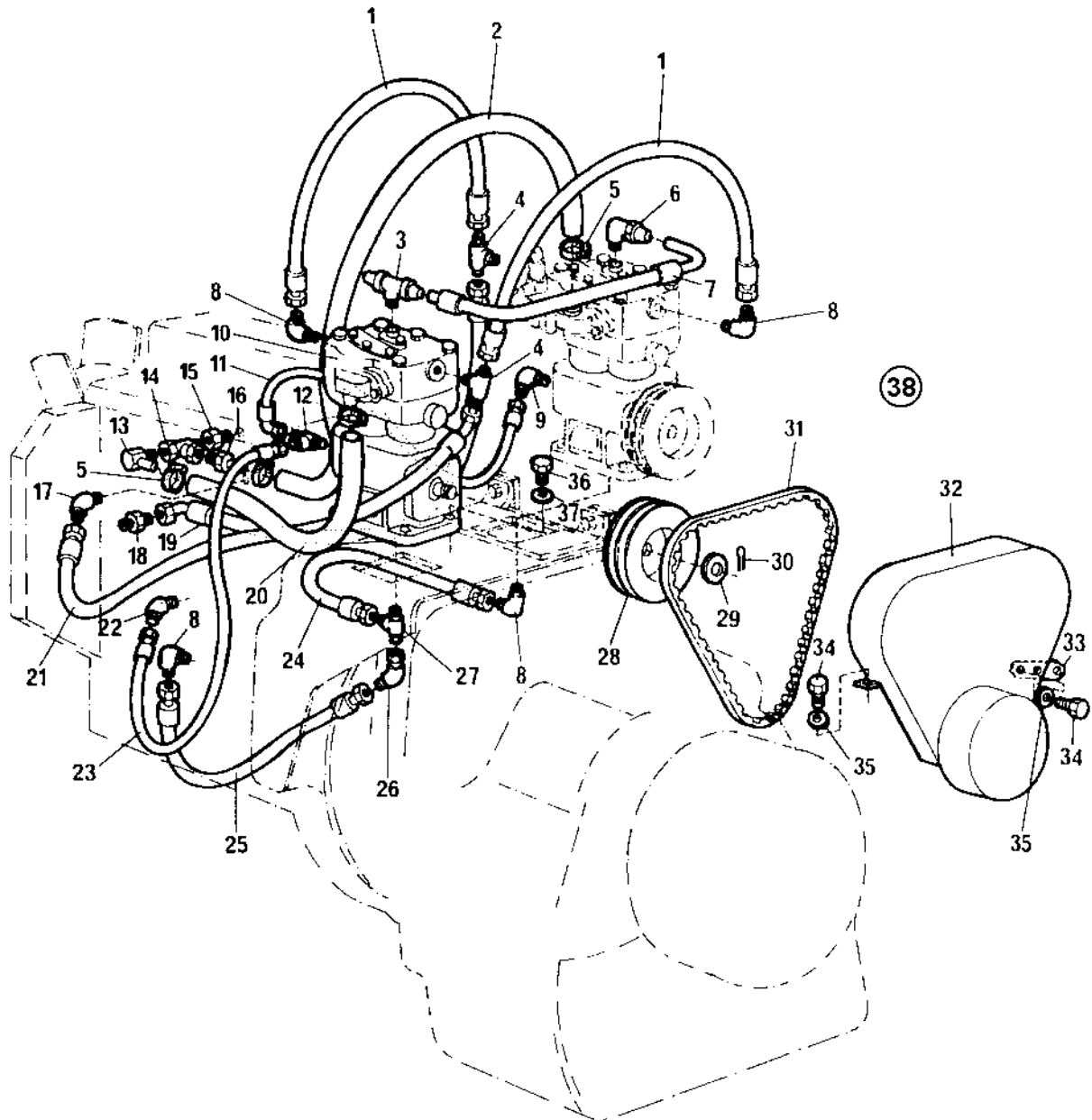
Ref. No.	Part No.	Rem.	Qty	Description	Code
37	500025		2	Screw M8-1,25x50 8,8	
38	500037		8	Screw M12-1,75x35 8,8	
39	615045		8	Conical spring washer	
40	241433		1	Hose	
41	191956		1	Platform	
42	603003		2	Washer 13,5x24x4	
43	502058		2	Screw 1/2 UNC	
44	191951		1	Flange Up to 705B249	
	194220		1	Flange From 705B250	
45	191623		1	Gasket	
46	500024		2	Screw M8x45	
47	191953		1	Shaft Up to 705B249	
	194219		1	Shaft, cpl From 705B250	
48	234729		1	Reducing nipple From 705B201	
49	330333		1	Copper washer From 705B201	D
50	192189		1	Bracket	
51	615042		1	Conical spring washer	
52	381166	C	1	Rebuilding kit	
	380405	D	1	Rebuilding kit	

C) For CP221/271 with Varga compressor P/N 191072 and one of the following transmissions: 191648, 374966, 381950

D) For CP221/271 with one or two belt driven compressors, (except with Varga compressor P/N 191072), and one of the following transmissions: 191648, 374966, 381950

Additional Compressor, VARGA -SN 22620229

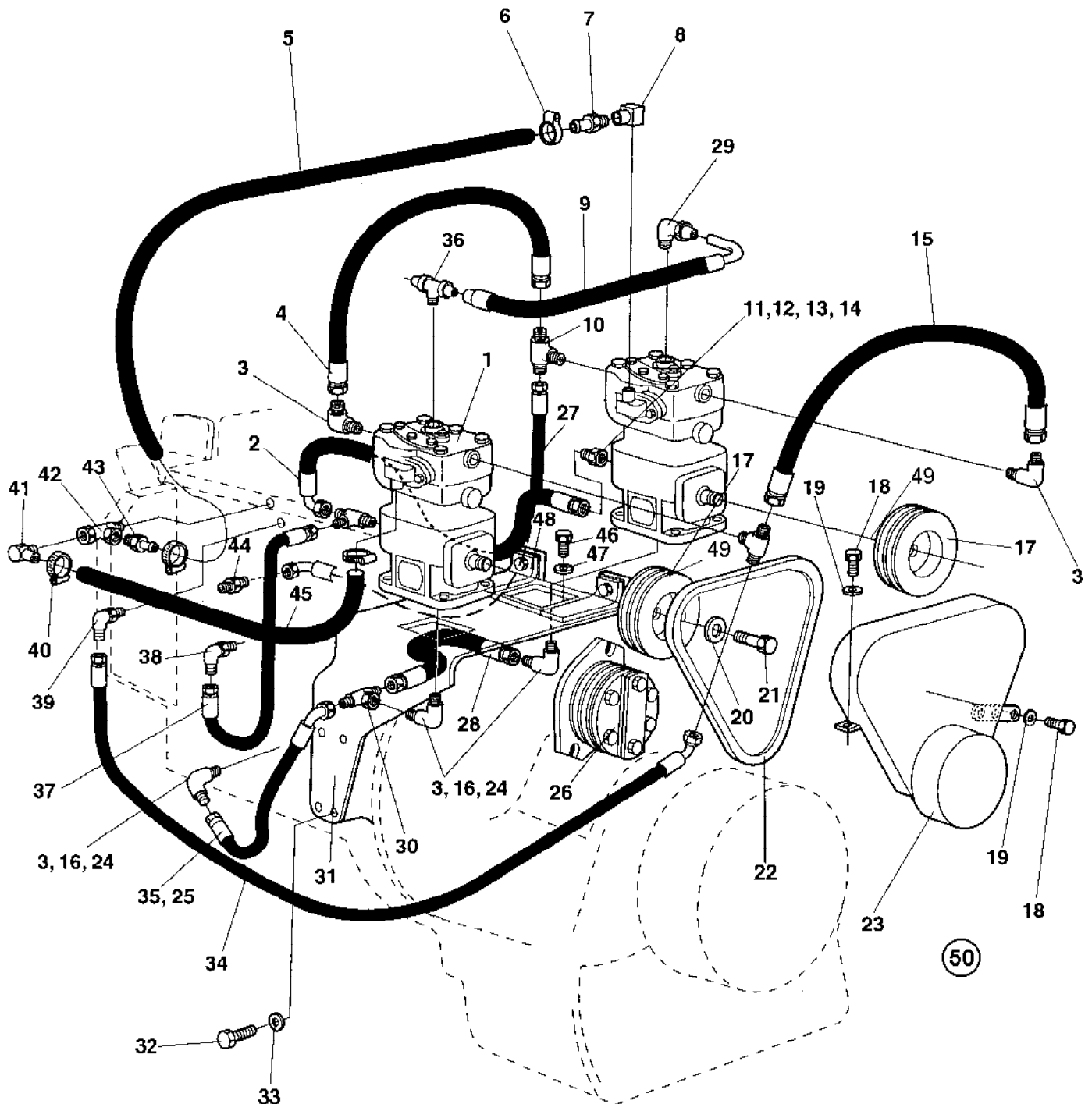
16250-1



Additonal Compressor, VARGA -SN 22620229

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	261463		2	Hose	
2	246072		1	Hose	
3	192091		1	Tee-connector	
4	192153		2	Tee-connector	
5	313004		4	Hose clamp	
6	191921		1	Elbow	
7	240149		1	Hydraulic hose	
8	813436		2	Adapter	
9	234342		1	Adapter	
10	191072	A	1	Compressor Varga	
11	308001205		1	Hydraulic hose	
12	234333		1	Adapter	
13	928081		1	Hose connector	
14	334424		1	Tee-connector	
15	813454		1	Nipple	
16	241172		1	Hose connector	
17	813445		1	Elbow 45	
18	334117		1	Adapter	
19	482466		1	Hydraulic hose	
20	246072		1	Hose	
21	482169		1	Hydraulic hose	D
22	234341		1	Elbow 45	
23	482257		1	Hydraulic hose	
24	482328		1	Hydraulic hose	
25	241433		1	Hose	
26	234662		1	Elbow 45	
27	334070		1	Adapter	
28	191954		1	Compressor pulley	
29	600014		1	Washer	
30	630010		1	Split pin	
31	924644		1	V-belt	
32	192159		1	Belt guard	
33	192189		1	Bracket	
34	500019		3	Screw M8-1,25x16 8,8	
35	904229		5	Washer 8,4x16x1,5	
36	500031		4	Screw M10-1,5x40 8,8	
37	603023		4	Washer M10	
38	381166	B	1	Rebuilding kit	
	380405	C	1	Rebuilding kit	

- A) Advise: Due to big improvements mentioned in MI 99004, 99006 and 99014, we recommend to upgrade to the same type of compressor installation as shown for CP221 from S/N 22620273 and CP271 from S/N 23620355. To upgrade, you need a rebuilding kit, P/N: see item 38
- B) For CP221/271 with Varga compressor P/N 191072 and one of the following transmissions: 191648, 374966, 381950
- C) For CP221/271 with one or two belt driven compressors, (except with Varga compressor P/N 191072), and one of the following transmissions: 191648, 374966, 381950



Compressor assembly SN 22620230 - 22620272

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	195775	G	2	Compressor	
2	308001205		1	Hydraulic hose	
3	813435		4	Adapter	
4	261463		1	Hose	
5	246072	A	1	Hose	
6	240297	D	2	Hose clamp	
	313004		2	Hose clamp	
7	192914		1	Hose connector	
8	249273		1	Elbow 90	
9	195824		1	Hydraulic hose	
10	192153		1	Tee-connector	
11	234342		1	Adapter	
12	813465		1	Reducing	
13	195776		1	Reducing	
14	330328		1	Washer 10x14x1	
15	195825		1	Hydraulic hose	
16	330333		2	Copper washer	D
17	195759	B	2	Pulley	
	376228	C	2	Pulley	
18	500019		4	Screw M8-1,25x16 8,8	
19	904229		5	Washer 8,4x16x1,5	
20			1	Washer	
21			1	Screw	
22	195773	B	2	V-belt	
	904593	C	1	Cogged belt	
23	195920		1	V-belt guard	
24	234729		2	Reducing nipple	
25	904623		1	Hose guard	
26		B	1	Coupling	
		C	1	Coupling	
27	482466		1	Hydraulic hose	
28	482328		1	Hydraulic hose	
29	195777		1	Elbow 90	
	195842		1	Reducing	
30	234953		1	Tee-connector	

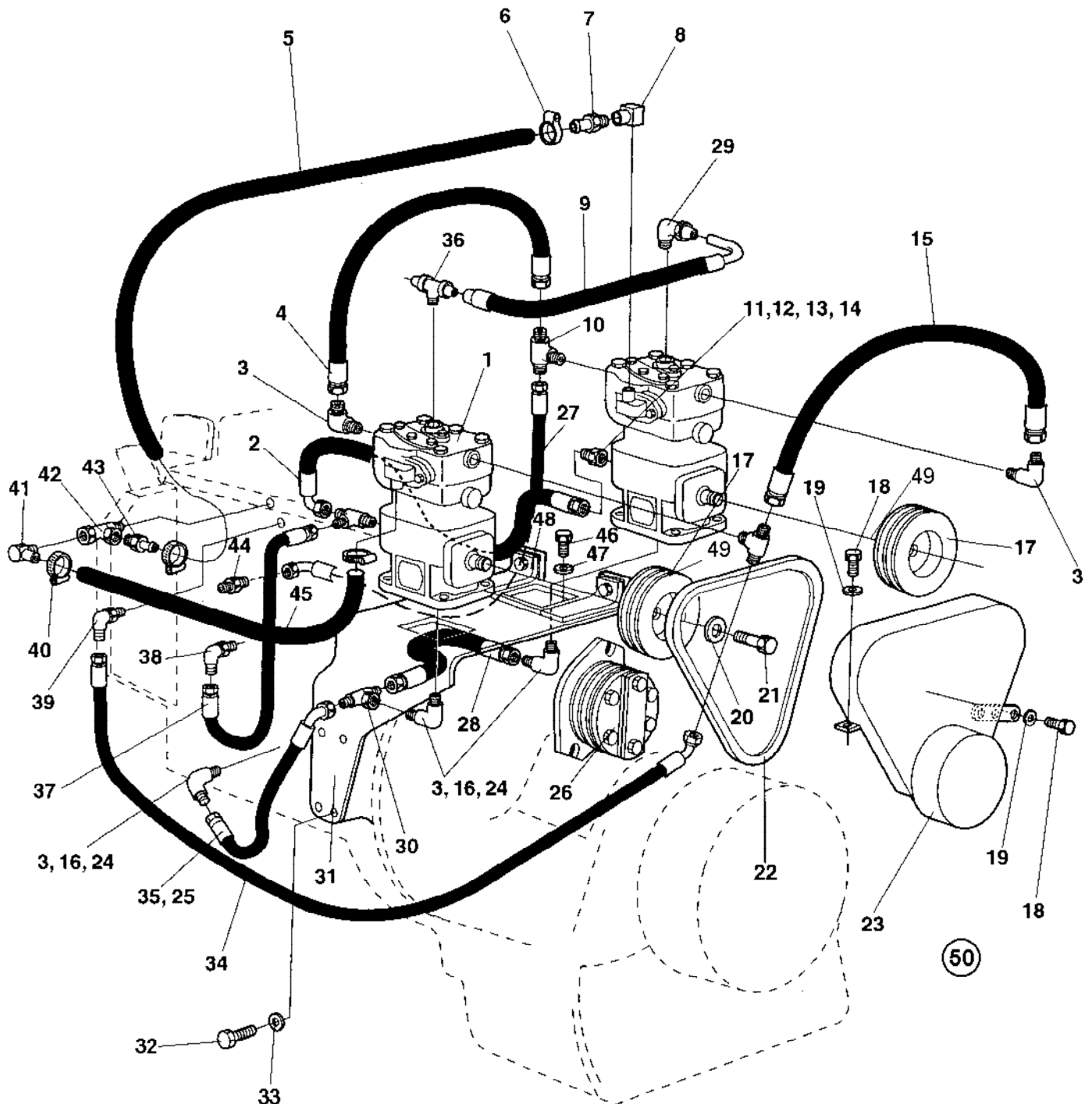
A) L=1000 mm

B) To S/N 22620253 And 255 - 256 + 258 - 261

C) From S/N 22620262 And 254 + 257

D) Replaced by 313004

G) Advise: Due to big improvements mentioned in MI 99004, 99006 and 99014, we recommend to upgrade to the same type of compressor installation as shown for CP221 from S/N 22620273 and CP271 from S/N 23620355. To upgrade, you need a rebuilding kit, P/N: see item 50



Compressor assembly SN 22620230 - 22620272

Ref. No.	Part No.	Rem.	Qty	Description	Code
31	195770		1	Bracket	
32	500037		8	Screw M12-1,75x35 8,8	
33	615045		8	Conical spring washer	
34	482169		1	Hydraulic hose	D
35	241433		1	Hose	
36	195928		1	Tee-connector	
37	482257		1	Hydraulic hose	
38	234341		1	Elbow 45	
39	813445		1	Elbow 45	
40	240297	D	2	Hose clamp	
	313004		2	Hose clamp	
41	928081		1	Hose connector	
42	334424		1	Tee-connector	
43	813454		1	Nipple	
44	334117		1	Adapter	
45	246072		2	Hose	
46	500028		4	Screw M10-1,5x25 8,8	
	500031		4	Screw M10-1,5x40 8,8	
	500090	F	4	Screw M8x75	
47	603023		4	Washer M10	
	904229		4	Washer 8,4x16x1,5	
48	195711		1	Lock plate	
	500241		2	Screw	
	570006		4	Nut M10	
49	376227	C	2	Hub	
50	381166	H	1	Rebuilding kit	
	380405	I	1	Rebuilding kit	

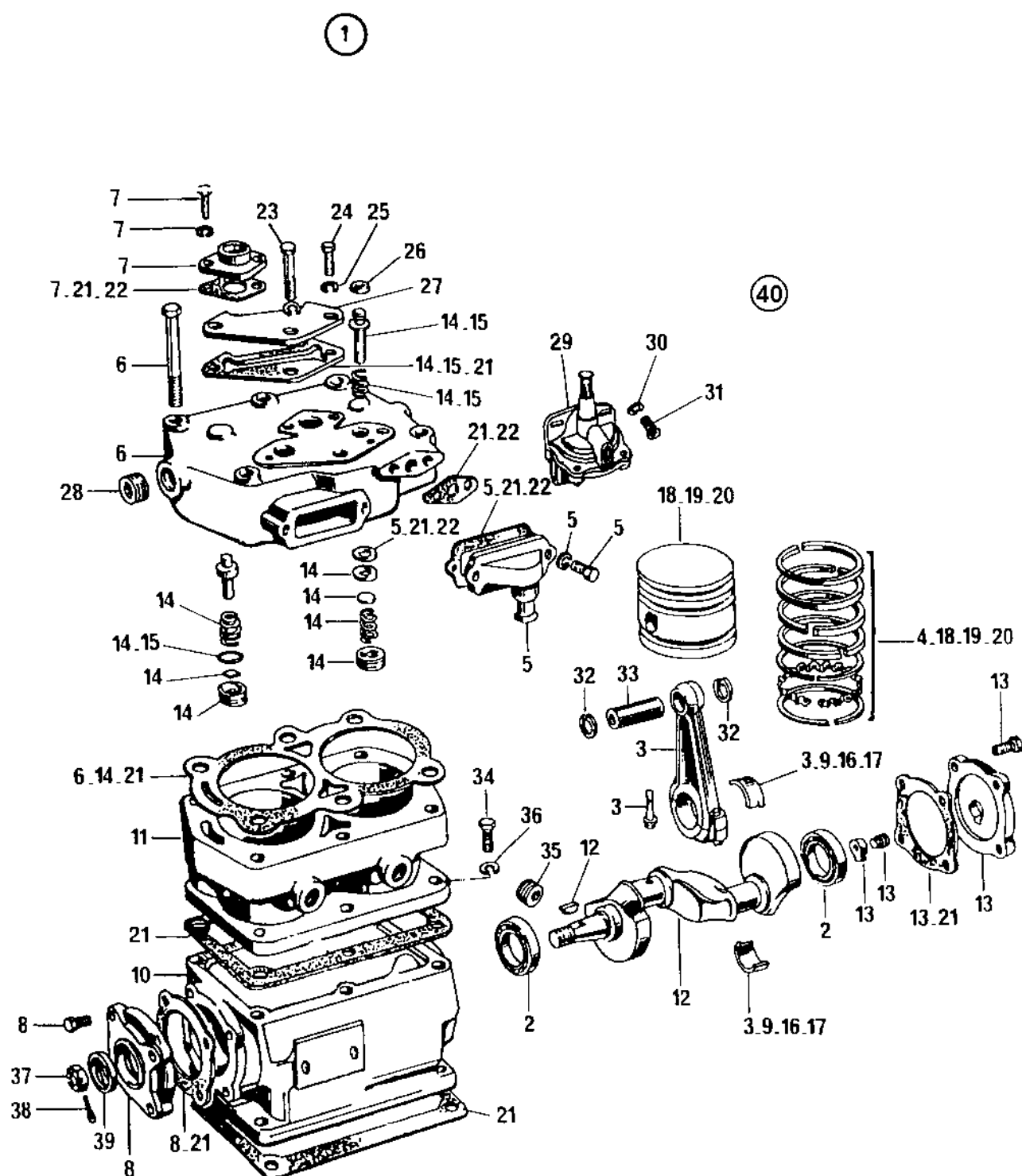
C) From S/N 22620262 And 254 + 257

D) Replaced by 313004

F) In use together with spacer 376363

H) For CP221/271 with Varga compressor P/N 191072 and one of the following transmissions: 191648, 374966, 381950

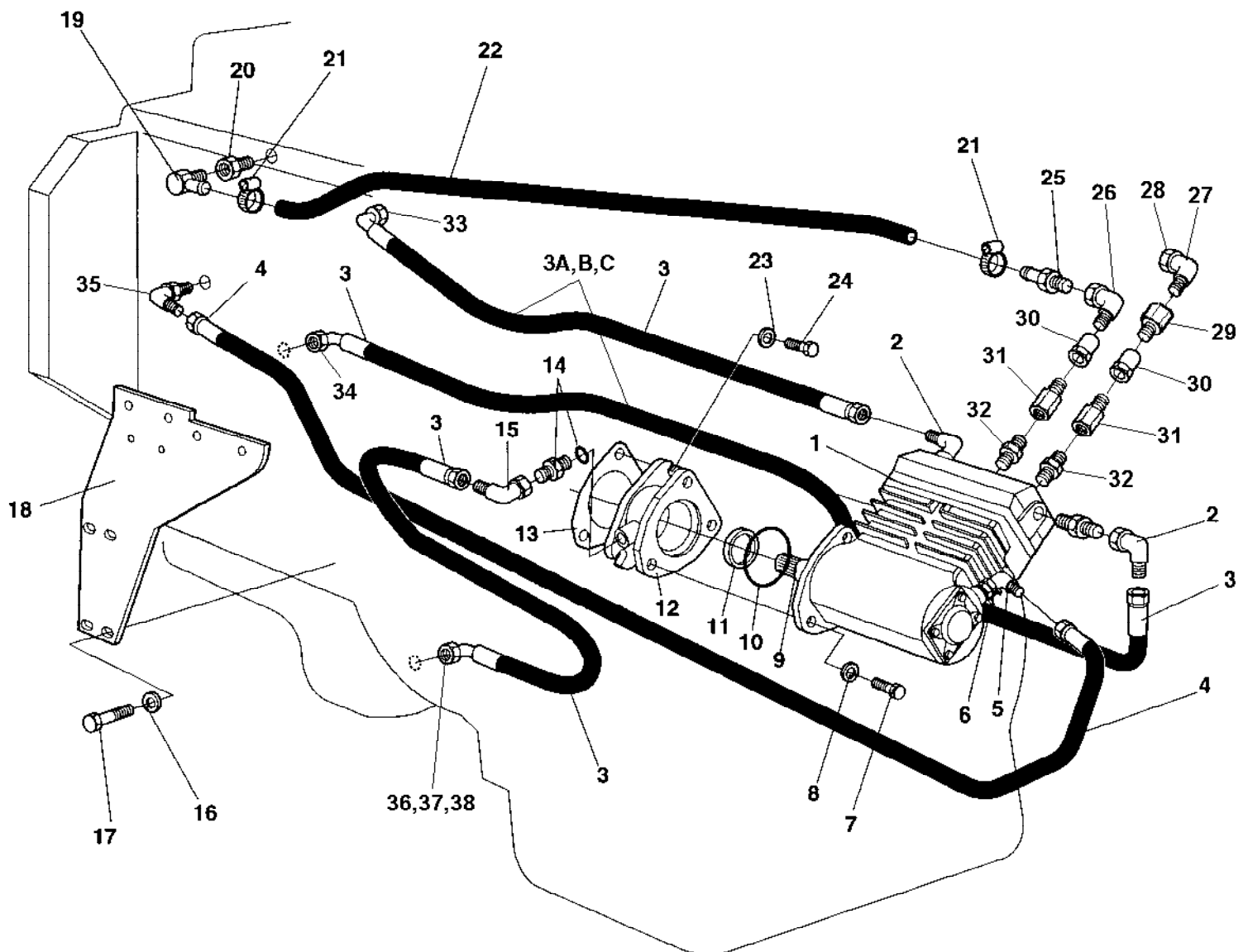
I) For CP221/271 with one or two belt driven compressors, (except with Varga compressor P/N 191072), and one of the following transmissions: 191648, 374966, 381950



Compressor Varga

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191072	A	1	Compressor Varga	
2	192035		1	.Bearing repair kit	
3	192036		1	.Pitman repair kit	
4	192037		1	.Ring repair kit STD	
5	192038		1	.Induction manifold	
6	192039		1	.Cylinder head repair	
7	192040		1	.Exhaust manifold	
8	192041		1	.Front cover	
9	192042		1	.Bearing repair kit STD	
10	192043		1	.Sump repair kit	
11	192044		1	.Block repair kit	
12	192045		1	.Crank shaft repair kit	
13	192046		1	.Rear cover repair kit	
14	192047		1	.Cylinder head	
15	192048		1	.Cylinder head kit	
16	192049		1	.Bearing repair kit 0.10	
17	192050		1	.Bearing repair kit 0.20	
18	192051		1	.Ring/piston repair kit STD	
19	192052		1	.Ring/piston repair kit 0.10	
20	195053		1	.Ring and piston	
21	192054		1	.Gasket repair kit	
22	192055		1	.Gasket repair kit	
23	192056		1	.Screw	
24	192057		1	.Screw	
25	192058		1	.Spring washer	
26	192059		1	.Gasket	
27	192060		1	.Cylinder head cover	
28	192061		1	.Plug	
29	192062		1	.Governor	
30	192063		1	.Spring washer	
31	192064		1	.Screw	
32	192065		2	.Retaining ring	
33	192066		1	.Pin	
34	192067		1	.Screw	
35	192068		1	.Plug	
36	192069		1	.Spring washer	
37	192070		1	.Castle nut	
38	192071		1	.Cotter pin	
39	192072		1	.Seal ring	
40	381166	B	1	Rebuilding kit	

- A) Advise: Due to big improvements mentioned in MI 99004, 99006 and 99014, we recommend to upgrade to the same type of compressor installation as shown for CP221 from S/N 22620273 and CP271 from S/N 23620355. To upgrade, you need a rebuilding kit, P/N: see item 40
- B) For CP221/271 with Varga compressor P/N 191072 and one of the following transmissions: 191648, 374966, 381950



Compressor assembly SN 22620273-

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	380253		1	Compressor Knorr-Bremse LP4850 Up to 22620318 (Page 102)	
	380475		1	Compressor Knorr-Bremse LP4850 From 22620319 (Page 104)	
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	

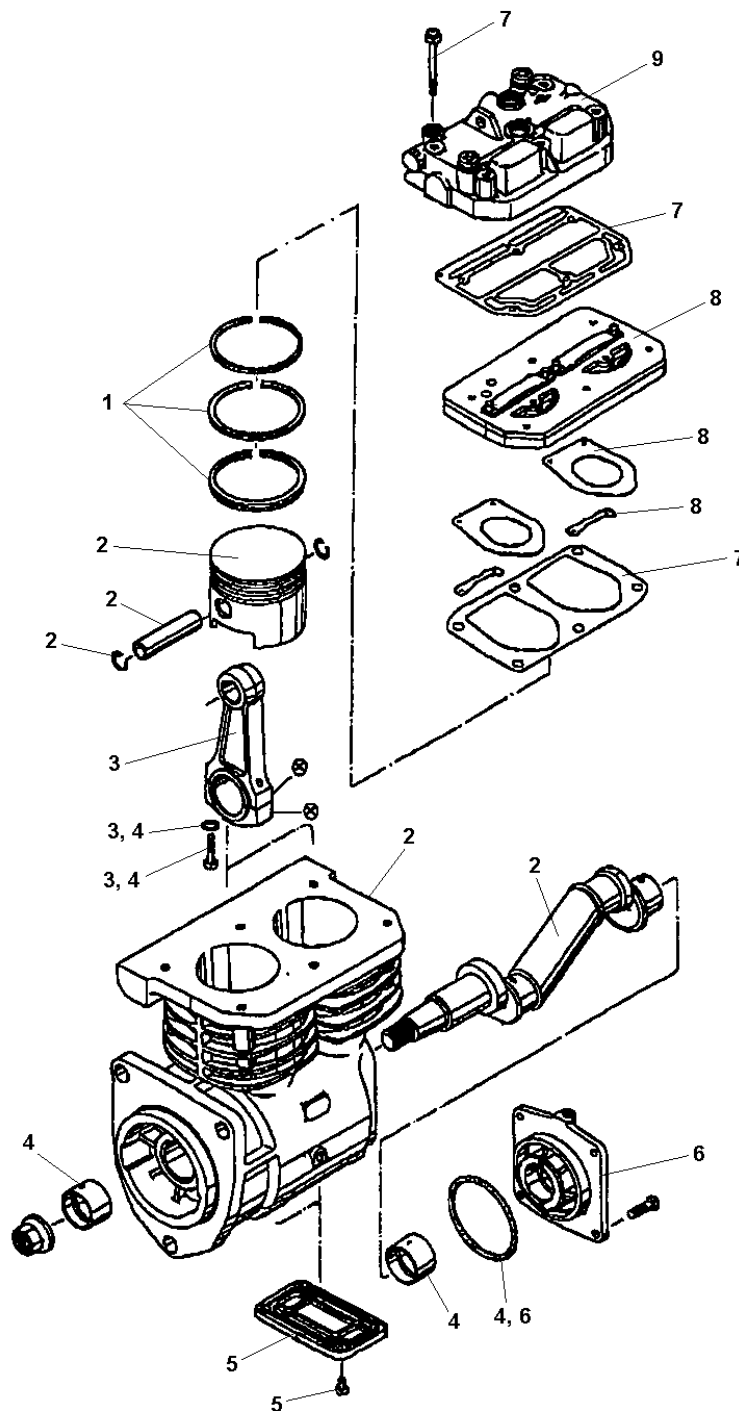
A) L=1250 mm

 B) Two of these hoses needs the clamp, screw and washer, item 3A
B and C

C) Replaced by 313004

D) Replaced by 234365

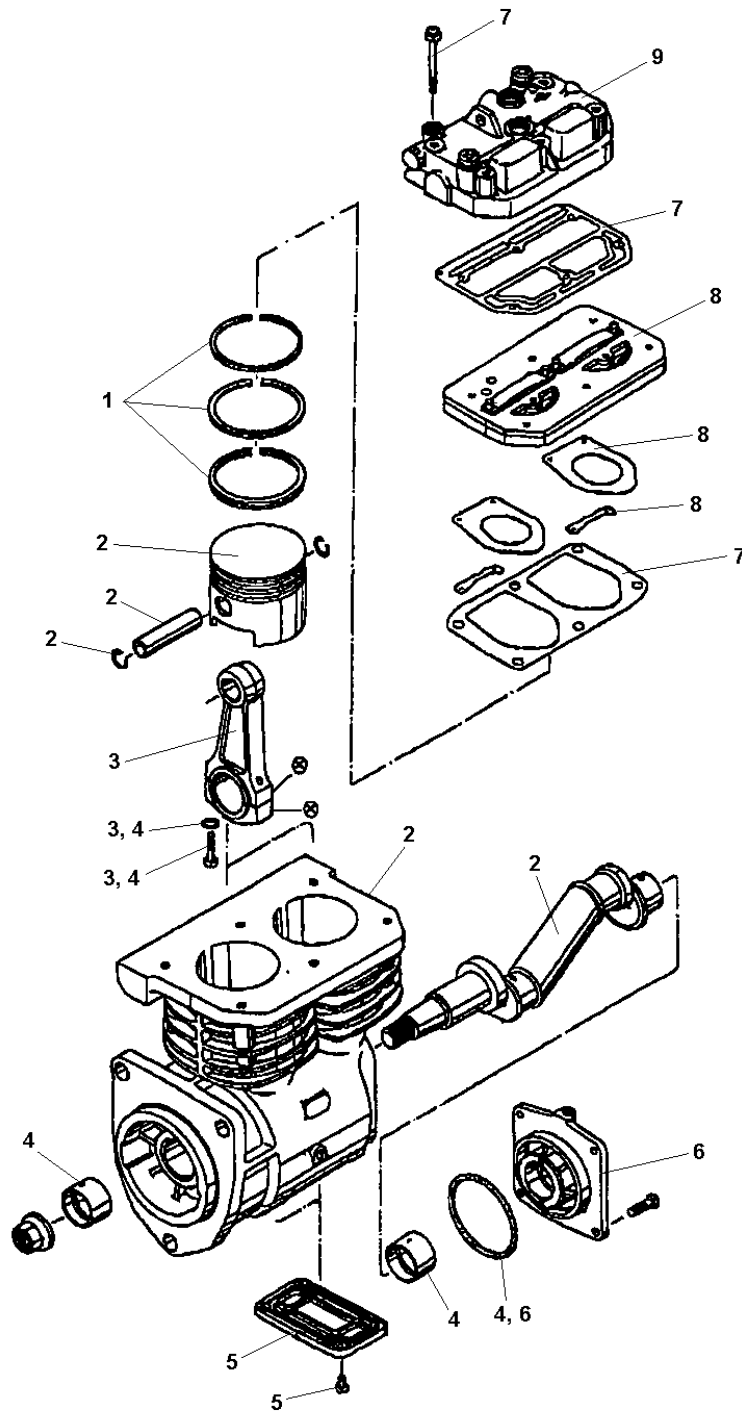
E) Replaced by 904659



380253 Compressor Knorr-Bremse LP4850

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



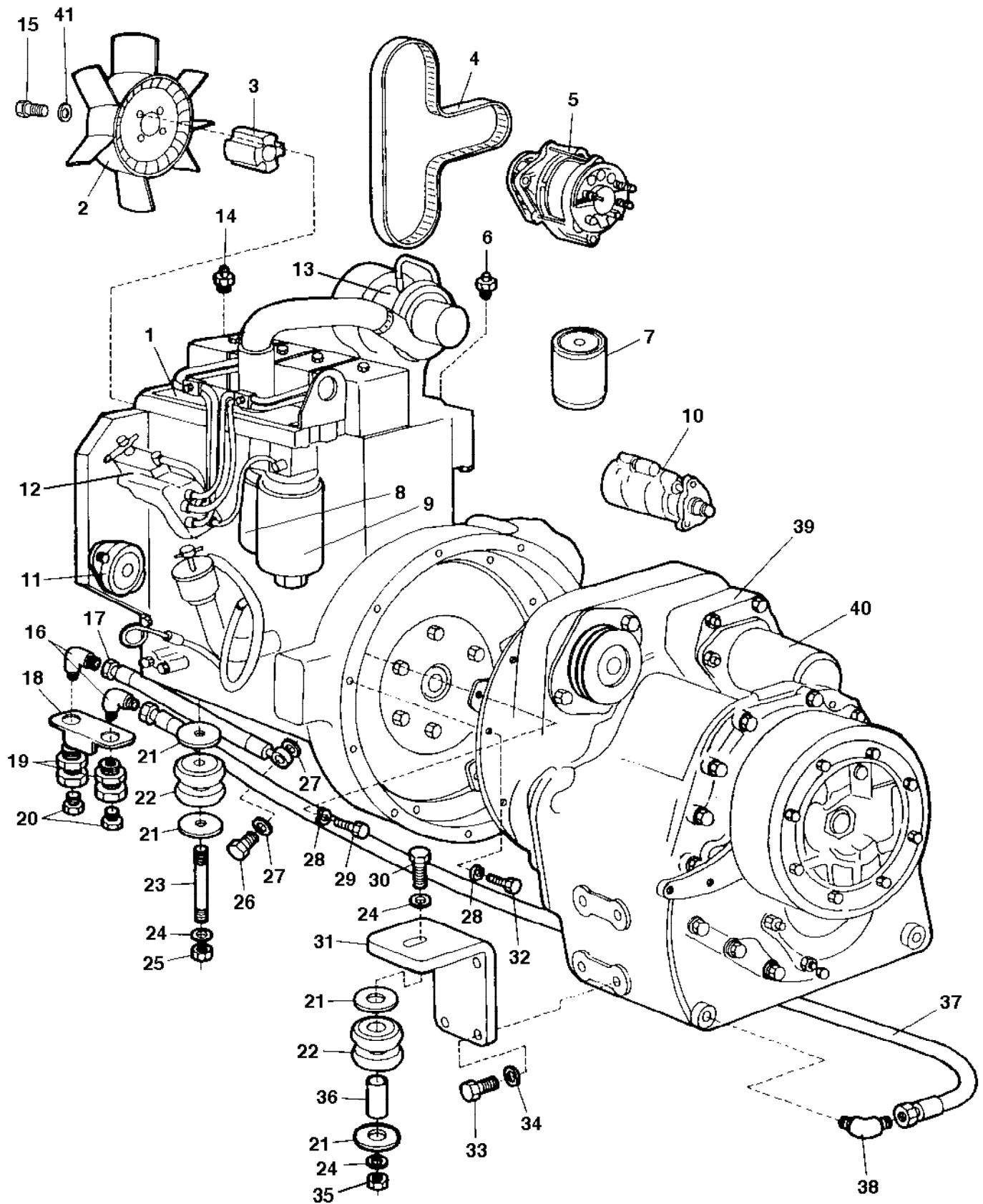
380475 Compressor Knorr-Bremse LP4850

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

Engine

Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Engine Cummins (Page 108)	
20				Cooling system (Page 110)	
30				Air cleaner - SN 22620242 (Page 112)	
35				Air cleaner SN 22620243 - (Page 114)	
40				Fuel system - SN 22620242 (Page 116)	
45				Fuel system SN 22620243 - (Page 118)	
50				Sedimenter - SN 22620242 (Page 120)	
60				Muffler (Page 122)	

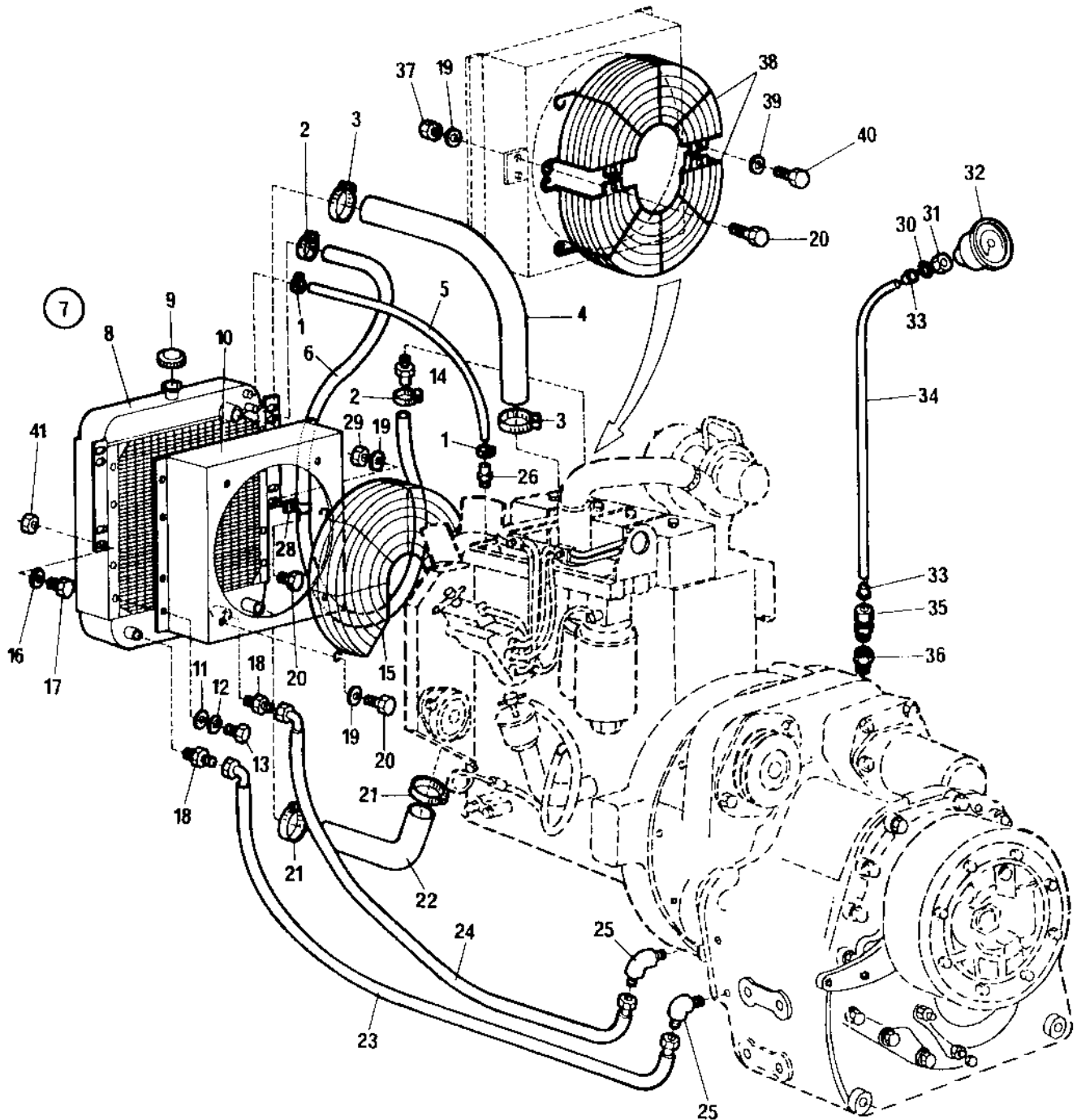


Engine Cummins

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191797		1	Diesel engine Up to 696B350	
	192500		1	Diesel engine From 705B201 Up to 22620242	
	374541		1	Diesel engine From 22620243	
	935758	A	1	.Fuel solenoid From 22620243	D
	939371	A	1	.Thermostat, cpl	
	903193	A	1	.Water pump, cpl	
2	348996		1	.Fan Up to 22620242	
	938137		1	.Fan From 22620243	
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		1	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	
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	191648		1	Transmission Up to 22620242	
	374966		1	Transmission From 22620243	
40	249993		1	.Oil filter	A
41	904557		4	Washer 10,5x22x4	

A) Not illustrated

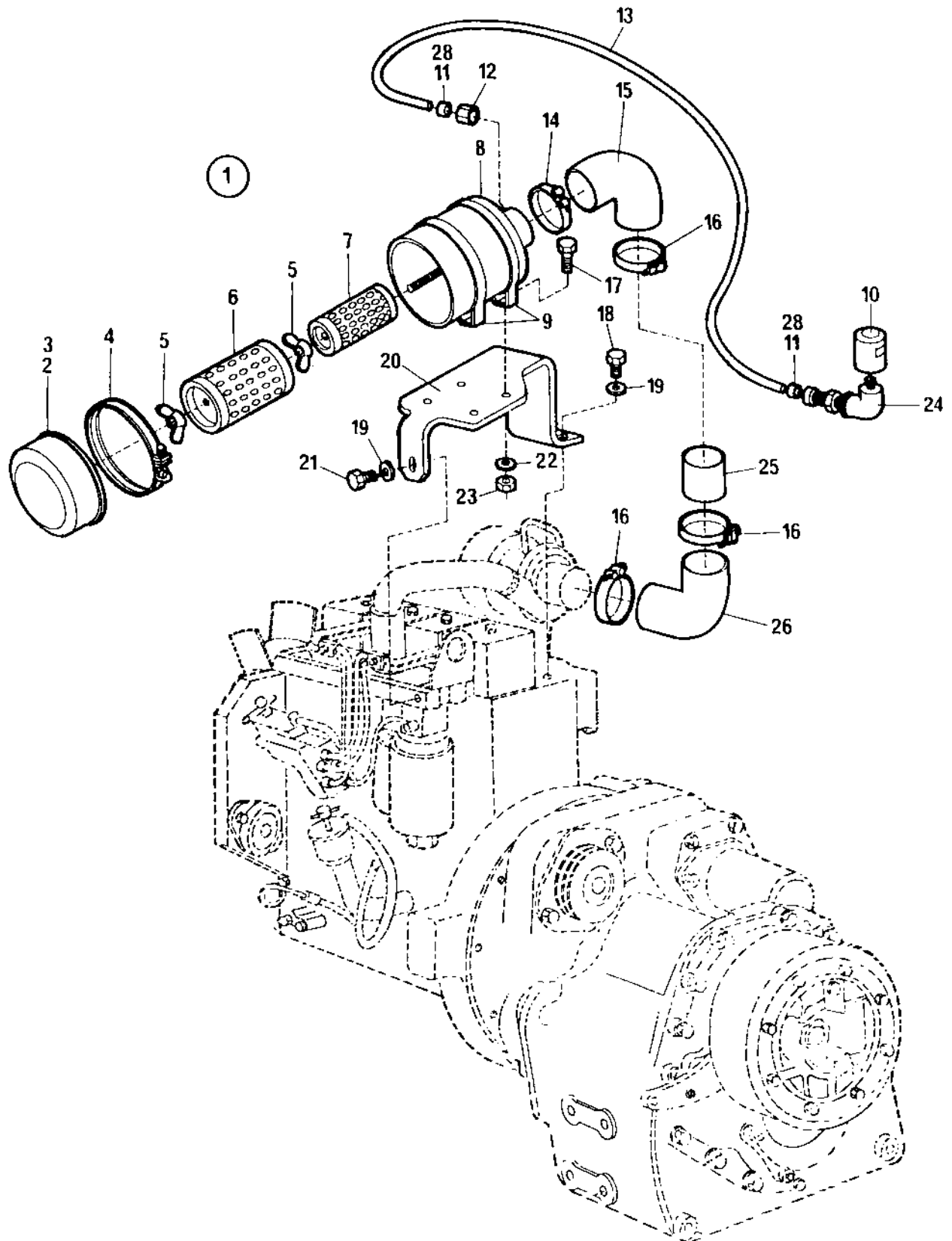
B) With water separator



Cooling system

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	192227		1	Hose connector Up to 22620242	
	374984		1	Hose connector From 22620243	
15	191794		1	Fan guard Up to 705B223	
16	603023		12	Washer M10	
17	500029		6	Screw M10-1,5x30 8,8	
18	334157		2	Straight connector	
19	600006		5	Washer Up to 706B016	
	615043		8	Washer 8,4x18x2 From 706B017	
20	500003		5	Screw Up to 705B223	
	500021		8	Screw M8-1,25x25 8,8 From 705B224	
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	
27	241172		1	Hose connector	
28	240908		1	Clamp	
29	570005		4	Nut M8	
30	231193		1	Sleeve	
31	231192		1	Nut	
32	265909		1	Manometer	
33	920783		2	Insert	
34	247154	C	1	Pipe	
35	920787		1	Pipe connection	
36	234867		1	Straight connector	
37	570005		2	Nut M8 From 705B224	
38	193109		2	Fan guard From 705B224	
39	615042		2	Conical spring washer From 705B224	
40	500012		2	Screw M6x12 From 705B224	
41	570006		6	Nut M10	

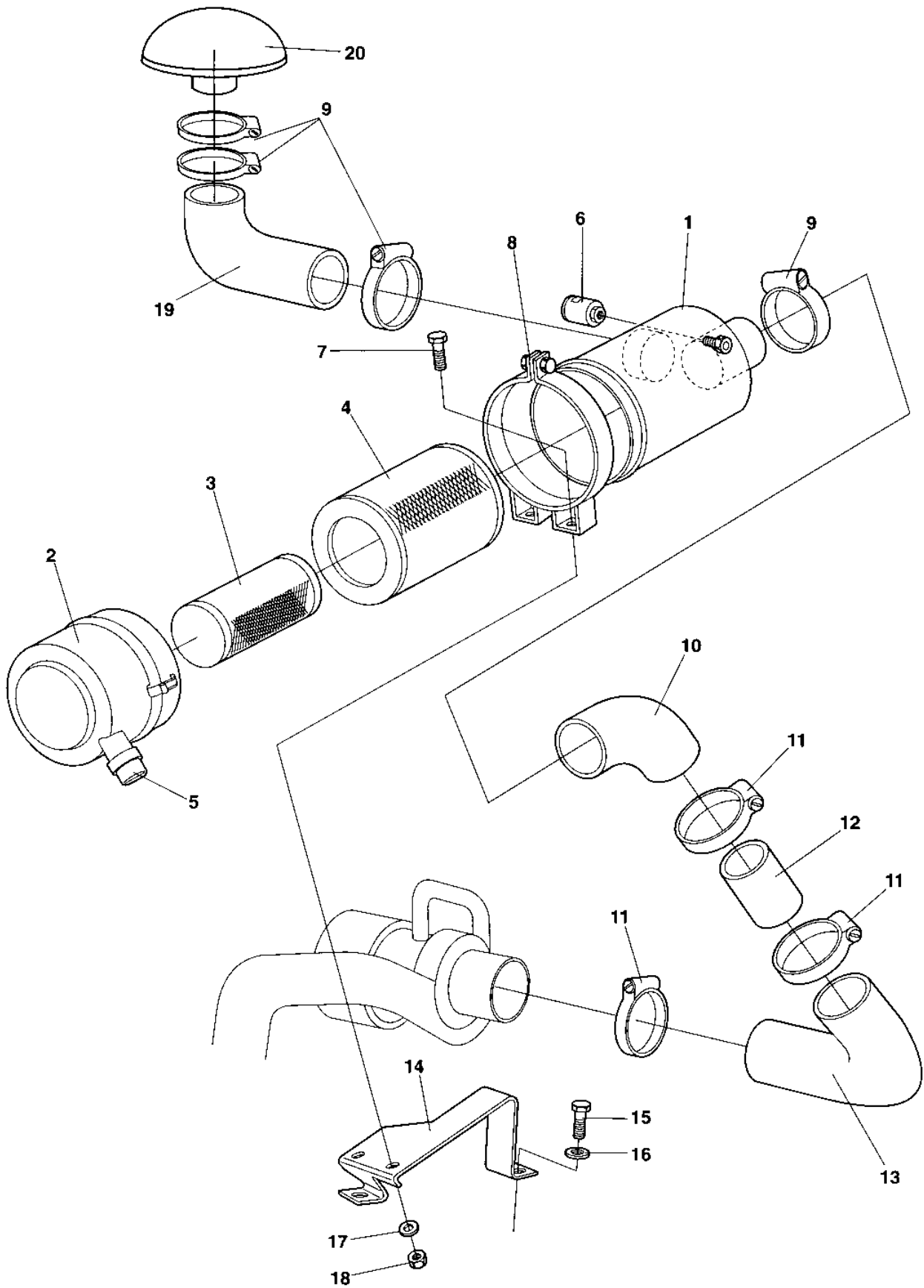
- A) L=600 mm
 B) L=1400 mm
 C) L=800 mm



Air cleaner - SN 22620242

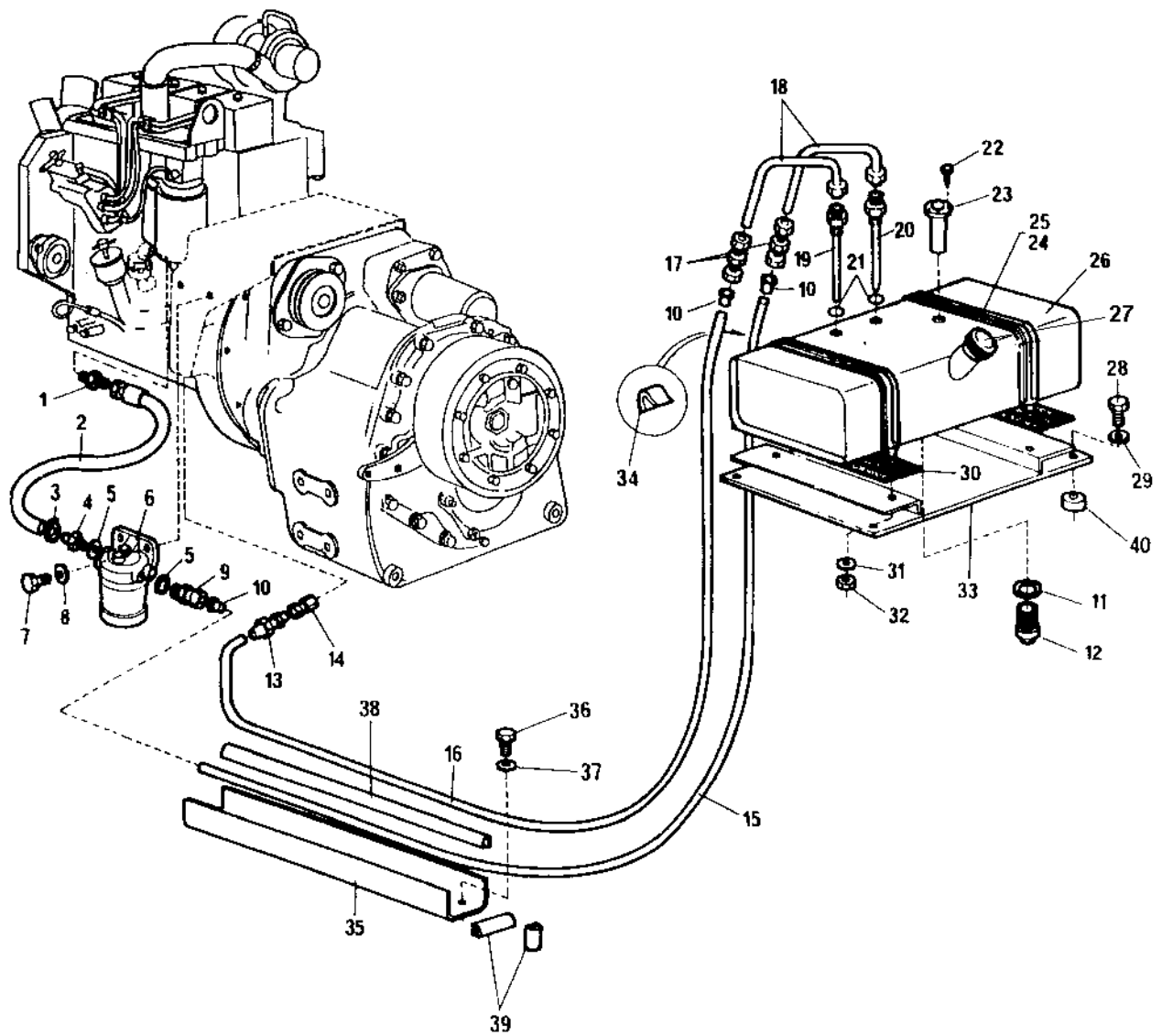
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	260543		1	Air filter, cpl	
2	499368		1	.Baffle	
3	499369		1	.Dust cup	
4	499366		1	.Clamp	
5	891518		2	.Fly nut	
6	499511		1	.Primary element	A
7	499510		1	.Element secondary	A
8	268936		1	.Body	
9	499133		1	.Mounting strip	
10	923328		1	.Restriction indicator	
11	920783		2	Insert	
12	230542		1	Connection	
13	247154	A	1	Pipe	
14	313033		1	Hose clamp	D
15	191881		1	Rubber elbow	
16	313038		3	Hose clamp	
17	500053		4	Screw M8-1,25x20 8,8	
18	500058		2	Screw	
19	603023		3	Washer M10	
20	192158		1	Platform	
21	500028		1	Screw M10-1,5x25 8,8	
22	615043		4	Washer 8,4x18x2	
23	570005		4	Nut M8	
24	261799		1	Elbow 90deg	
25	191883		1	Pipe	
26	499132		1	Rubber elbow	D
28	291193		2	Sleeve	

A) L=1100 mm



Air cleaner SN 22620243 -

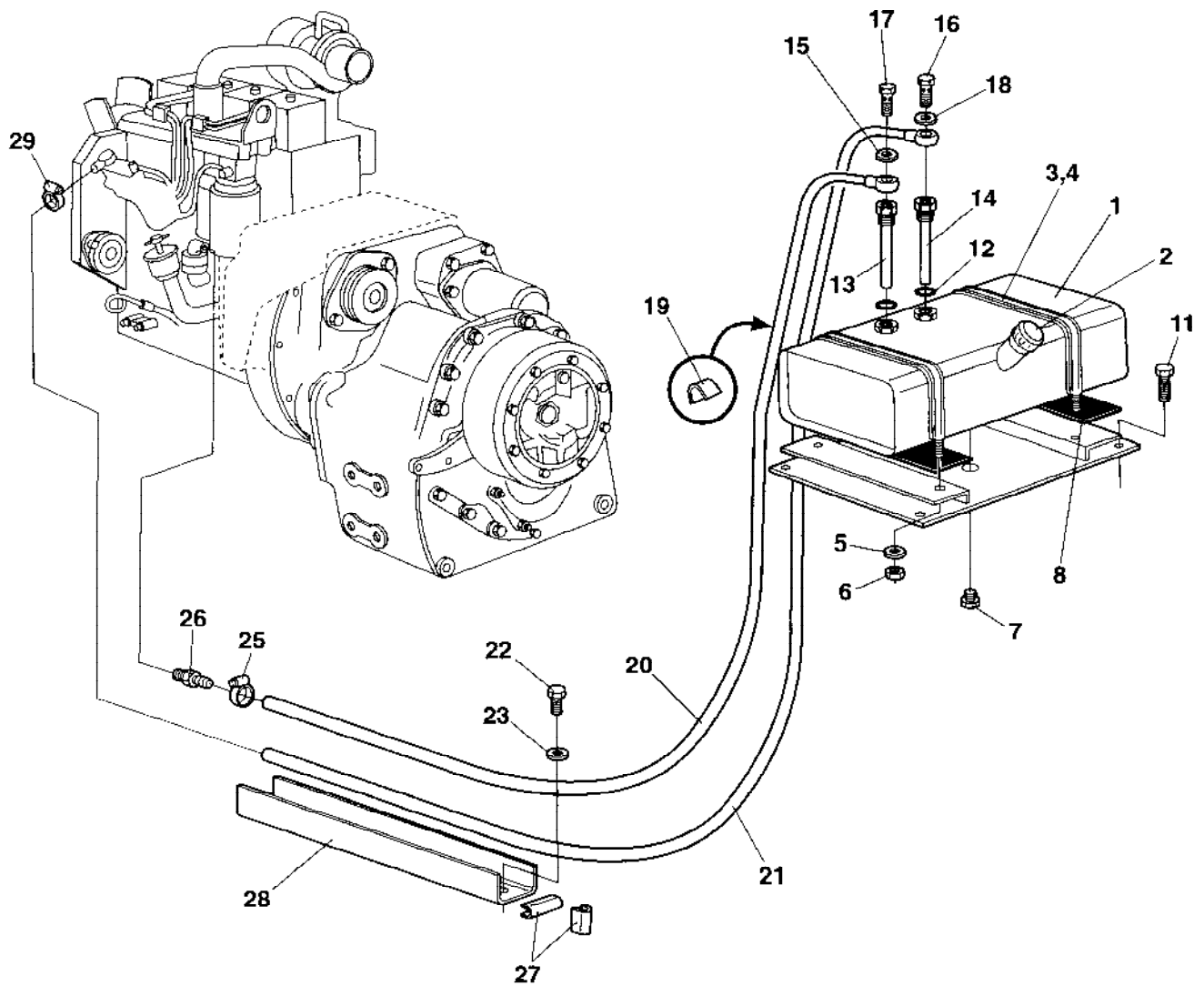
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	374727		1	Air filter, cpl	
2	375023		1	.Cover	
3	374772		1	.Safety filter	A
4	374771		1	.Main filter	A
5	374905		1	.Vacuator valve	
6				See electrical equipment	
7	500053		2	Screw M8-1,25x20 8,8	
8	374745		1	Bracket	
9	313033		2	Hose clamp	D
10	927048		1	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



Fuel system - SN 22620242

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	334172		1	Adapter	
2	348595		1	Hose cpl	D
3	313002		1	Hose clamp	
4	242454		1	Connector	
5	195647		4	Washer	
6	750035		1	Fuel filter	B
7	500028		2	Screw M10-1,5x25 8,8	
8	615044		2	Conical spring washer	D
9	192349		1	Coupling	
10	920784		4	Insert	
11	925966		1	Rubber sealing	D
12	264389		1	Fuel filter	A
13	920788		1	Coupling	
14	191894		1	Coupling	
15	247151	A	1	Pipe 3/8"	
16	247151	B	1	Pipe 3/8"	
17	268913		2	Nipple	
18	191821		2	Fuel tube	
19	191823		1	Tube	
20	191822		1	Tube	
21	330330		2	Washer	
22	500006		5	Screw M5x16	
23	192032		1	Fuel sender	
24	191824		2	Clamp, cpl	
25	297018		2	Rubber strip	
26	191887		1	Fuel tank	
27			1	Cap See Sprinkler system assembly	
28	500030		4	Screw M10-1,5x35H 8,8	
29	615044		4	Conical spring washer	D
30	264039		6	Shim	
31	600009		4	Washer	
32	586117		4	Nut	
33	191835		1	Tank floor Up to 705B287	
	195364		1	Floor From 705B288	
34	192501		2	Shim	
35	191888		1	Channel	
36	500012		8	Screw M6x12	
37	615042		8	Conical spring washer	
38	202028	C	1	Edge trim	
39	202028	D	4	Edge trim	
40	346235		4	Spacer sleeve	

- A) L=2900 mm
 B) L=3100 mm
 C) L=2600 mm
 D) L=55 mm

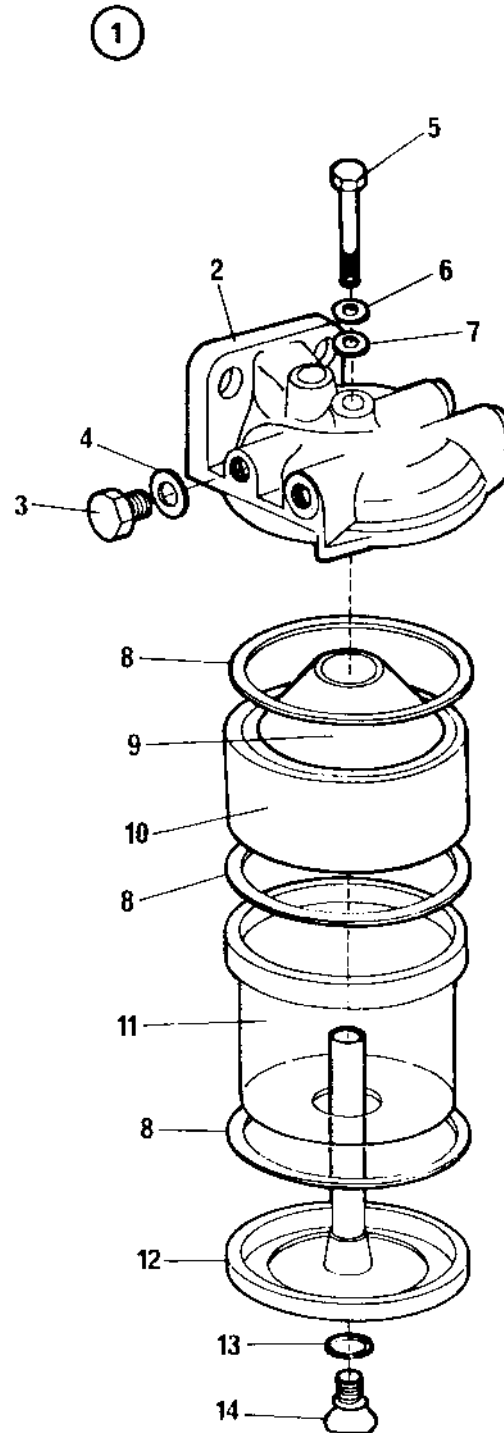


Fuel system SN 22620243 -

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	

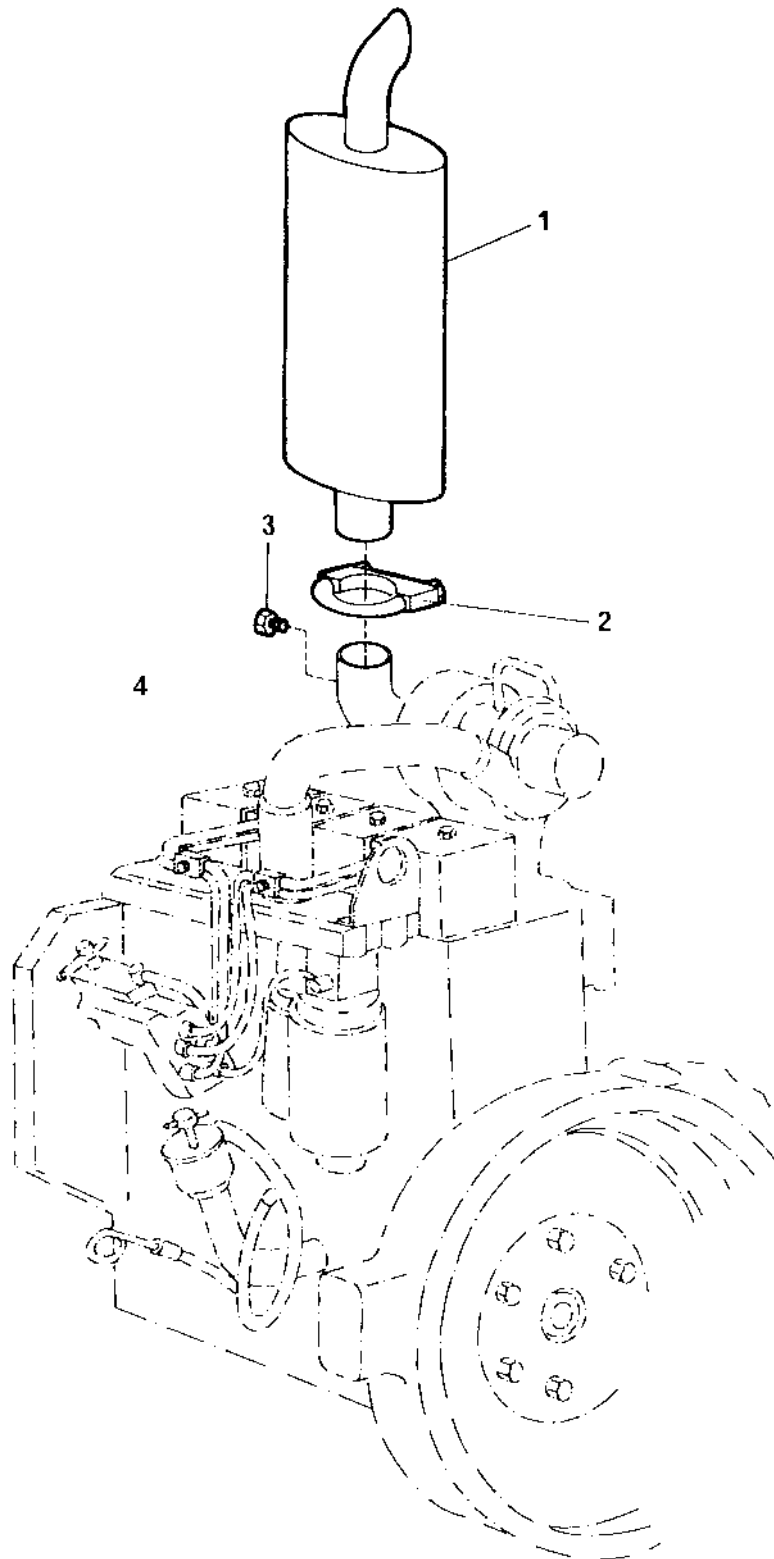
A) L=1640 mm

C) L=400 mm



Sedimenter - SN 22620242

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	750035		1	Fuel filter	B
2	195627		1	.Filter head	
3	195628		2	.Plug	
4	195628		2	.Plug	
5	195630		1	.Screw	
6	195631		1	.Washer	
7	195632		1	.Seal ring	
8	195633		3	.Seal ring	
9	195634		1	.Sedimenter cone	
10	195635		1	.Sedimenter body	
11	195636		1	.Cup	
12	195637		1	.Base	
13	195638		1	.Washer	
14	195639		1	.Drain screw	



Muffler

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	385975	B	1	Muffler	D
2	313112		1	Clamp	
3	813423		1	Hexagon plug	
4	374827	A	1	Bracket	
	500028	A	4	Screw M10-1,5x25 8,8	
	600008	A	4	Washer	

A) Only in old version

B) Replaces earlier used muffler. Introduced from SN 22620385

Transmission

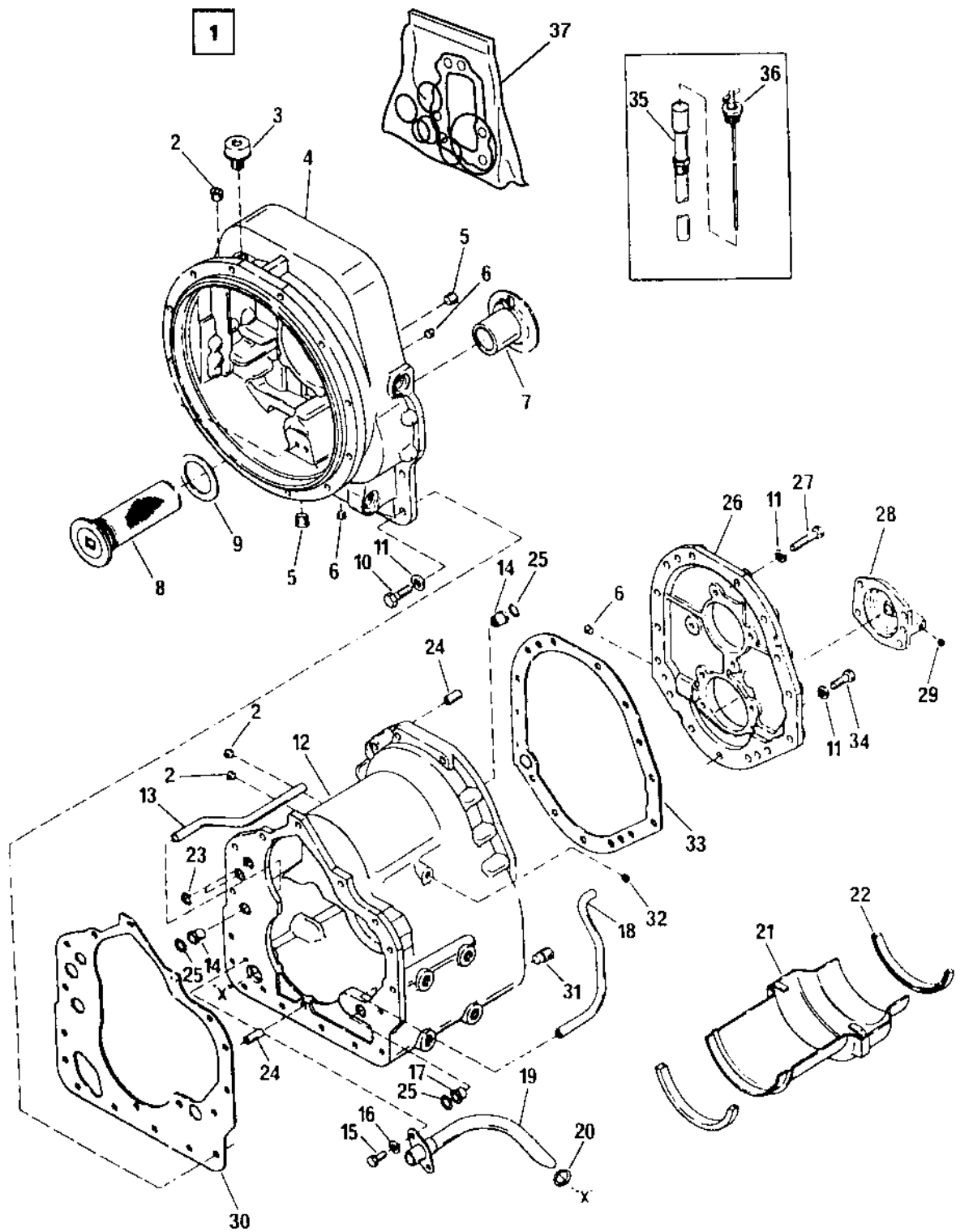
Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Transmission Up to SN 22620244 (Page 126)	
20				Transmission From SN 22620245 (Page 160)	
30				Rear axle Mercedes Benz (Page 194)	
40				Rear axle Eaton (Page 196)	
50				Differential - 699B247, Mercedes Benz (Page 198)	
60				Differential 699B248 - 705B287, Eaton (Page 200)	
70				Differential, Rockwell 699B248 - (Page 204)	
80				Cardan shaft assembly (Page 208)	
90				Cardan shaft, Albarus - 705B287 (Page 210)	
100				Cardan shaft, Albarus 705B288 - (Page 212)	

Transmission Up to SN 22620244

Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Converter housing & case (Page 128)	
20				Turbine shaft, stator support (Page 130)	
30				Drive plate (Page 132)	
40				Torque converter (Page 134)	
50				Gear (Page 136)	
60				Auxiliary pump drive (Page 138)	
70				Charging pump drive (Page 140)	
80				Reverse & 2nd shaft (Page 142)	
90				Low speed shaft (Page 144)	
100				Forward shaft (Page 146)	
110				Reverse idler (Page 148)	
120				Output & 3rd clutch (Page 150)	
130				Charging pump & oil filter (Page 152)	
140				Control valve (Page 154)	
170				Drum brake (Page 158)	

Converter housing & case

16213-1

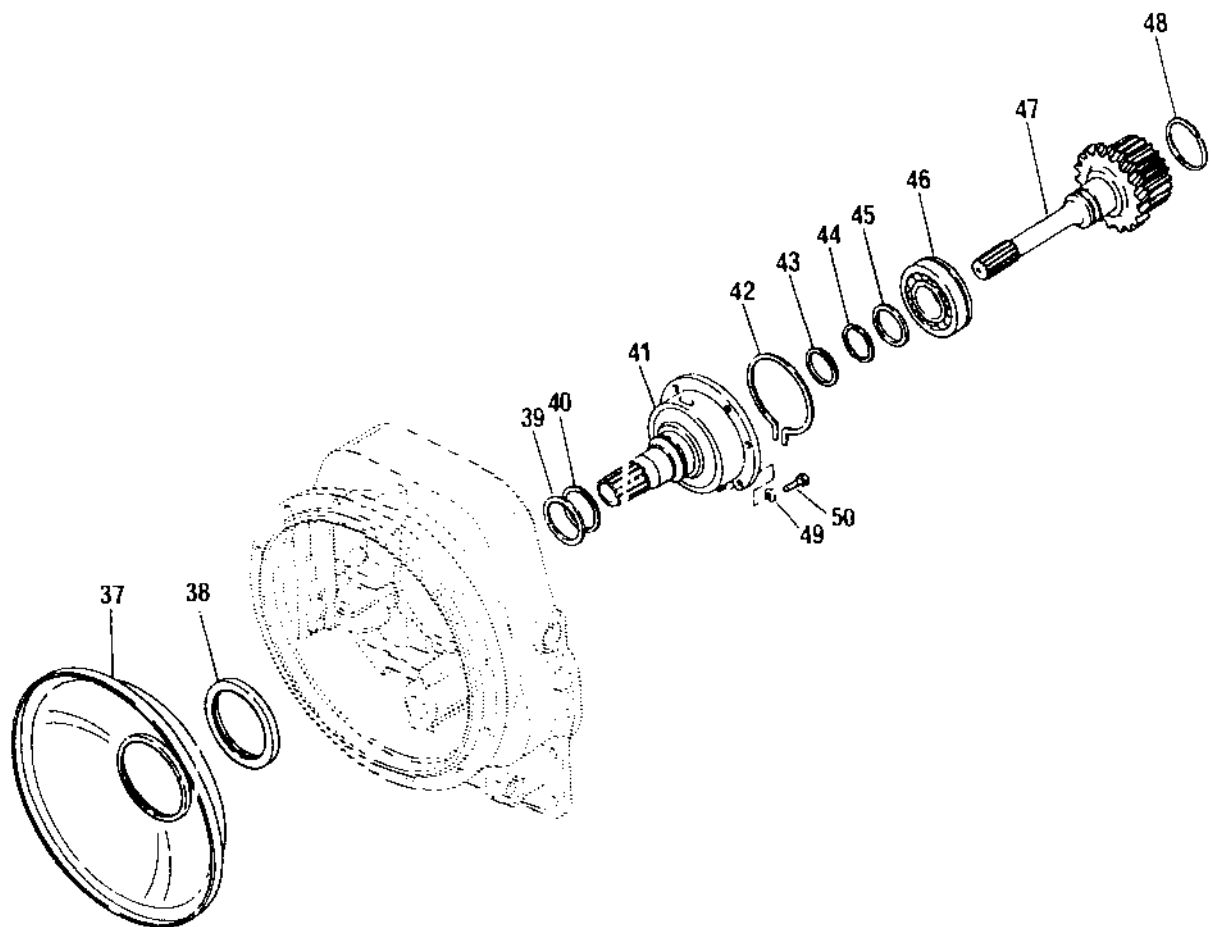


Converter housing & case

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191648		1	Transmission	
2	193658		3	.Plug	
3	240667		1	.Breather	
4	240700		1	.Housing	
5	240571		2	.Plug	
6	240675		3	.Plug	
7	240618		1	.Bushing	
8	240594		1	.Filter	
9	193666		1	.Gasket	
10	240563		16	.Screw	
11	240718		31	.Spring washer	
12	240657		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	240564		9	.Screw	
28	193660		1	.Cover	
29	240685		1	..Back stop	
30	193665		1	.Gasket	
31	240572		2	.Magnetic plug	
32	240575		1	.Plug	
33	193661		1	.Gasket	
34	240563		6	.Screw	
35	240645		1	.Guide tube	
36	240644		1	.Oil dipstick	
37	939297		1	Seal kit Transm. section	
	939298		1	Seal kit Converter section	

Turbine shaft, stator support

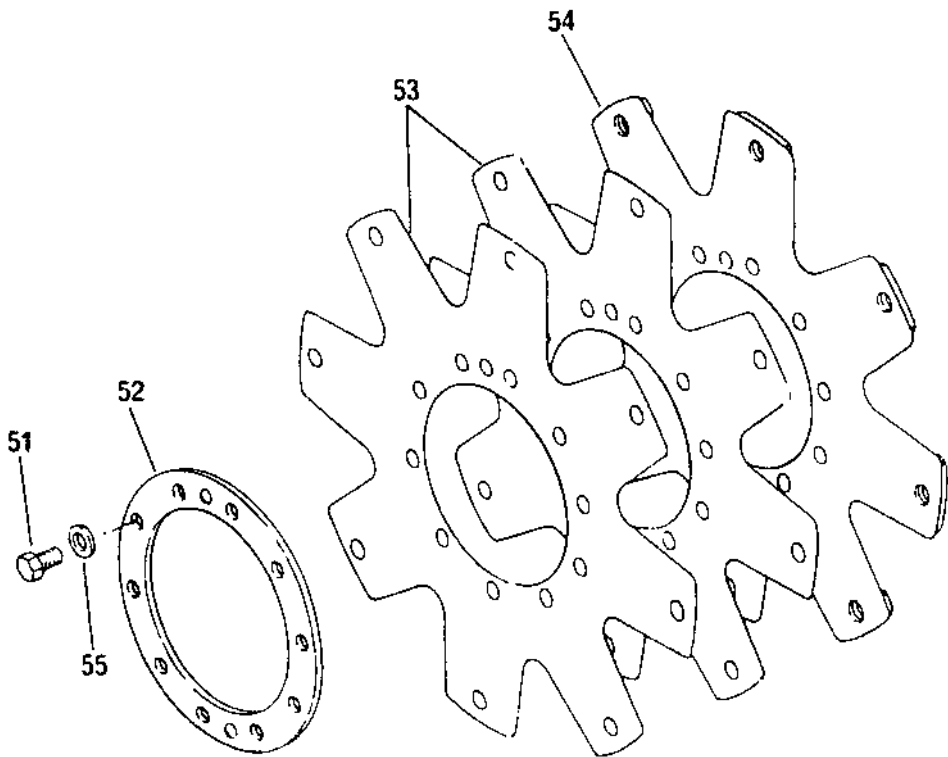
16214



Turbine shaft, stator support

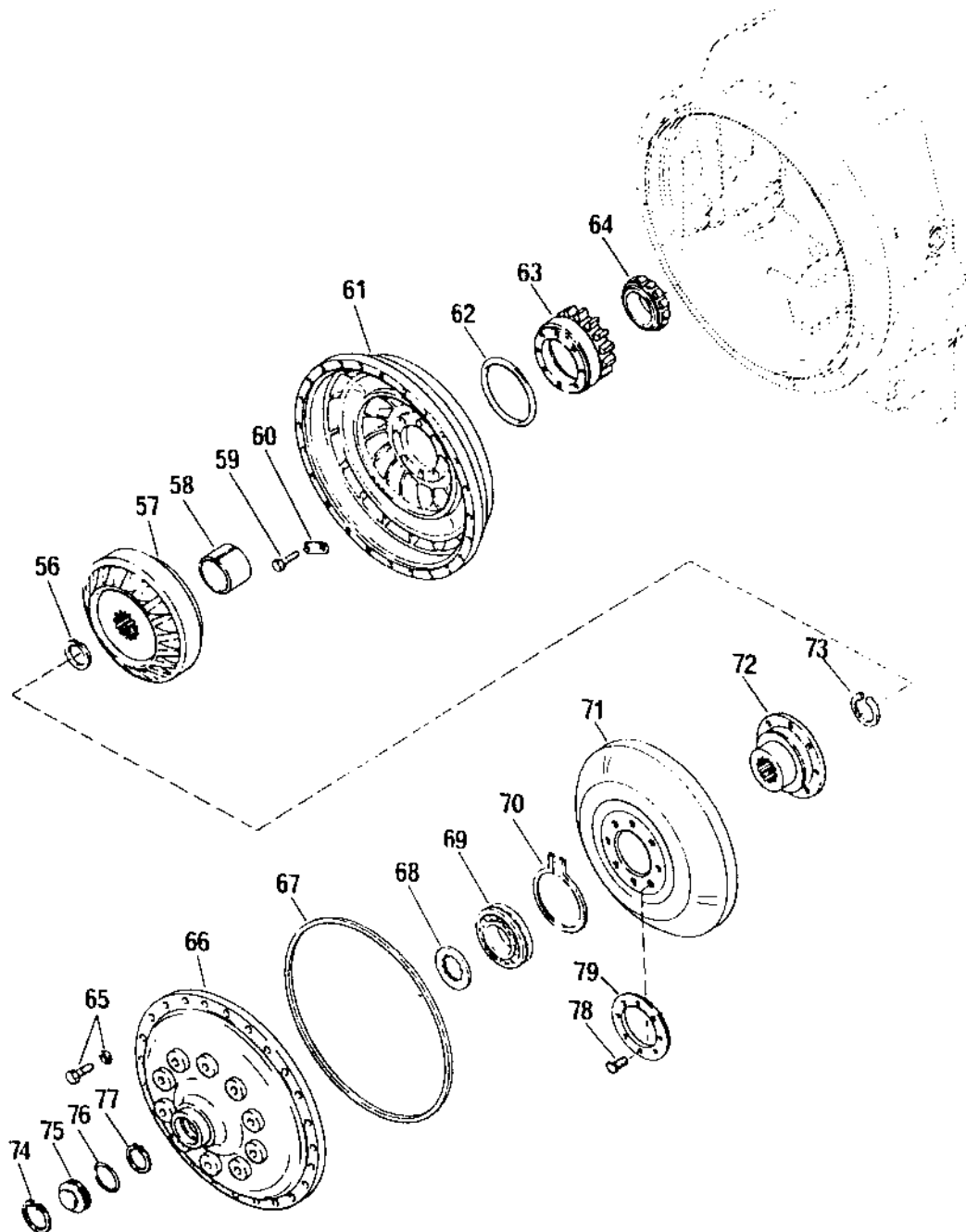
Ref. No.	Part No.	Rem.	Qty	Description	Code
37	240627		1	Oil deflector	
38	193670		1	.Seal ring	
39	193669		1	Seal ring	
40	193668		1	Extension spring	
41	240693		1	Gear	
42	240615		1	Snap ring	
43	193667		1	Seal ring	
44	240595		1	Retaining ring	
45	240616		1	Washer	
46	240682		1	Bearing	
47	240686		1	Shaft	
48	240688		1	.Retaining ring	
49	240717		6	Spring washer	
50	240561		6	Screw	

Drive plate
16215



Drive plate

Ref. No.	Part No.	Rem.	Qty	Description	Code
51	240721		10	Screw	
52	193673		1	Support ring	
53	193672		2	Drive plate	
54	193671		1	Drive plate	
55	240718		10	Spring washer	

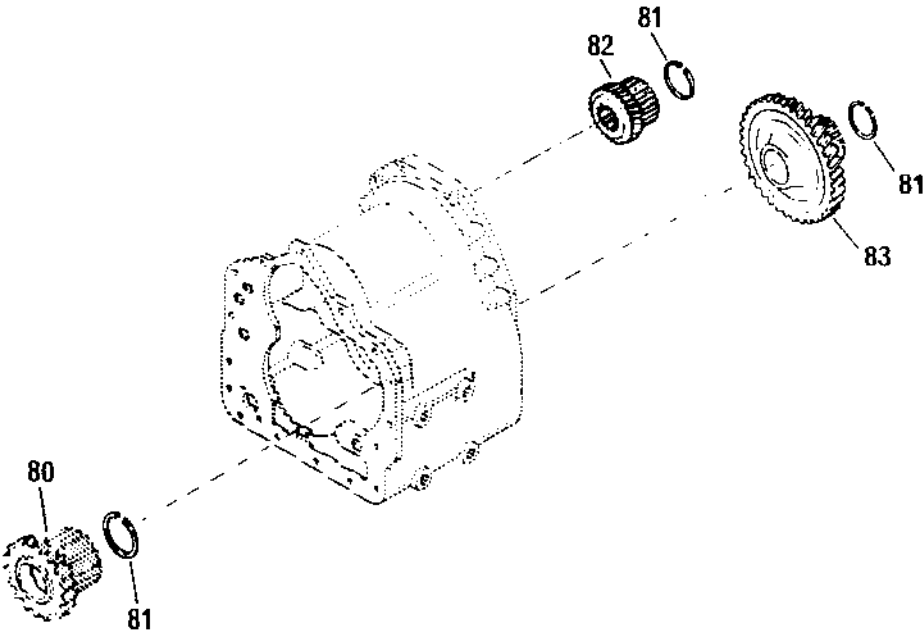


Torque converter

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	193676		1	O-ring	
62	193674		1	O-ring	
63	240665		1	Impeller hub	
64	240666		1	Bearing	
65	240597		24	Screw with washer	
66	240678		1	Impeller cover	
67	193676		1	O-ring	
68	240698		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	240633		1	Washer	

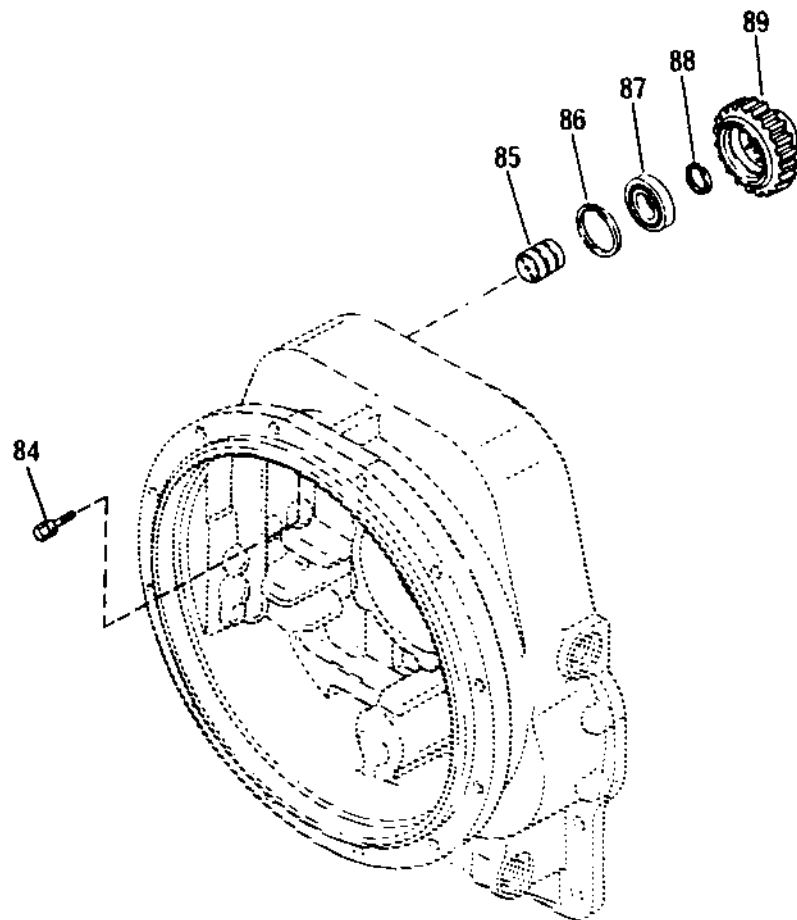
Gear

16217



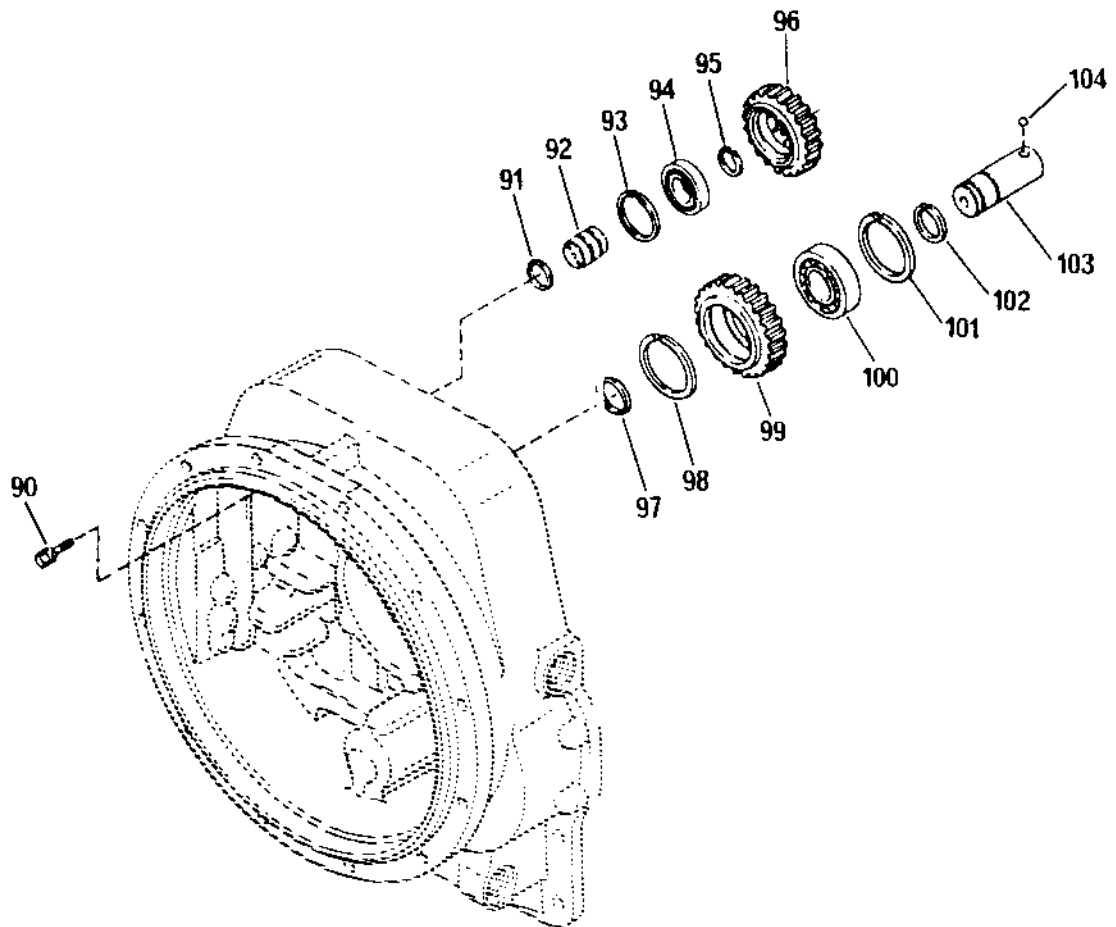
Gear

Ref. No.	Part No.	Rem.	Qty	Description	Code
80	240687		1	Gear	
81	240688		3	Retaining ring	
82	240690		1	Gear	
83	240693		1	Gear	



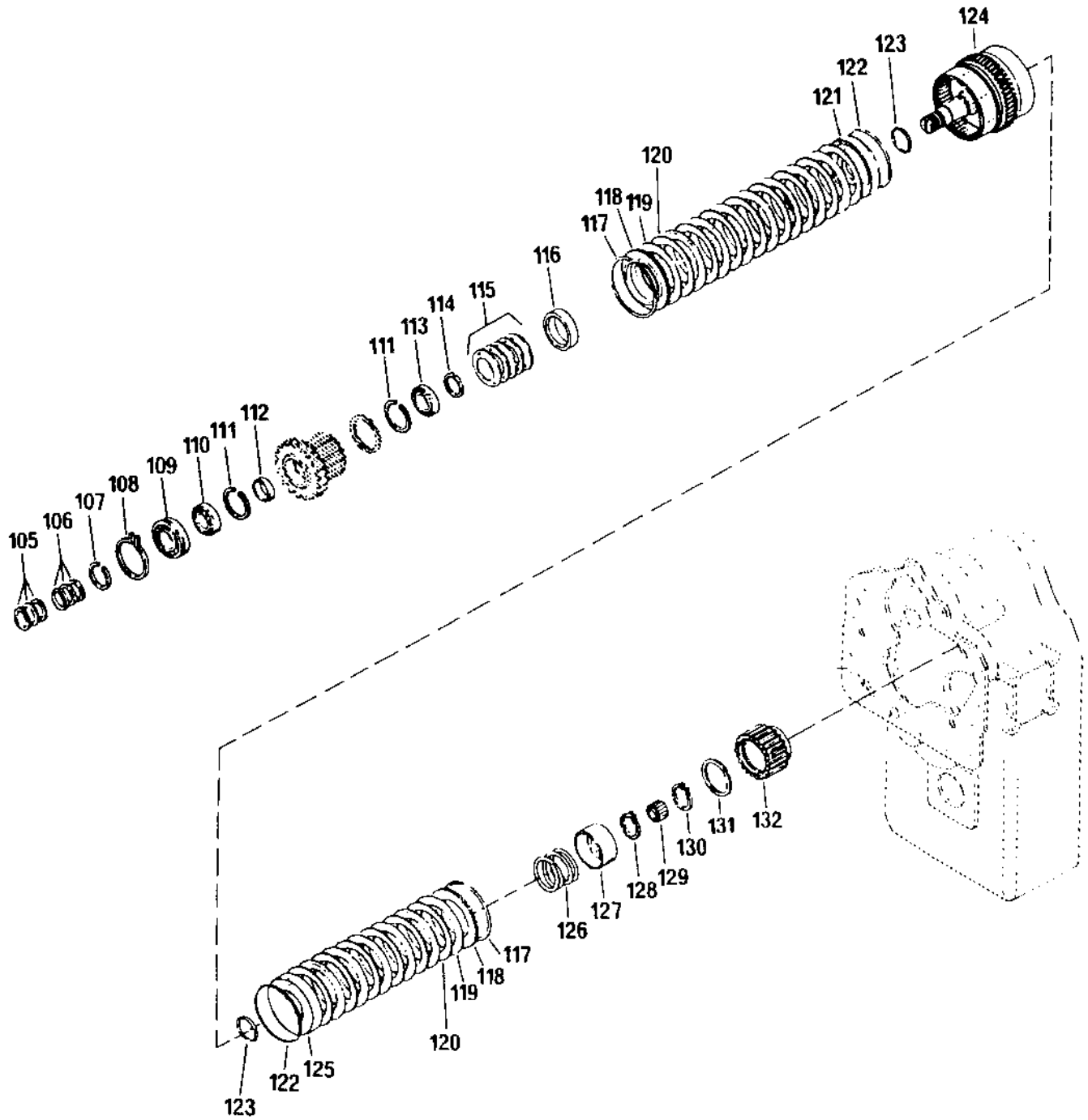
Auxiliary pump drive

Ref. No.	Part No.	Rem.	Qty	Description	Code
84	240722		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

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	240588		1	Retaining 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	

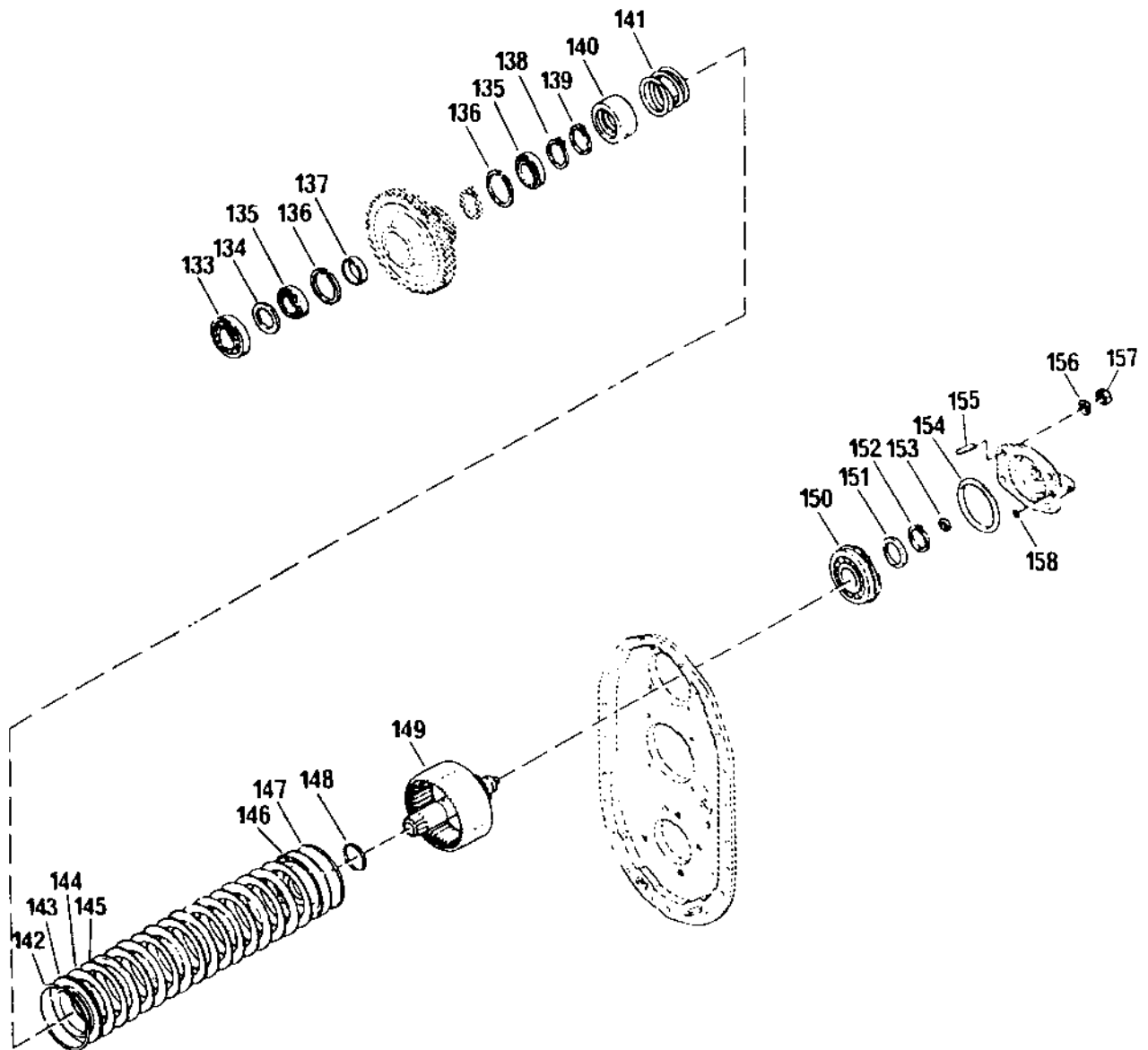


Reverse & 2nd shaft

Ref. No.	Part No.	Rem.	Qty	Description	Code
105	193688		3	Extension spring	
106	193683		1	Piston ring	
107	193684		1	Retaining ring	
108	240593		1	Snap ring	
109	240585		1	Bearing	
110	425738932		1	Bearing	
111	240602		2	Retaining ring	
112	240620		1	Spacer	
113	425738967		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	
131	240688		1	Retaining ring	
132	240689		1	Hub	

Low speed shaft

16220

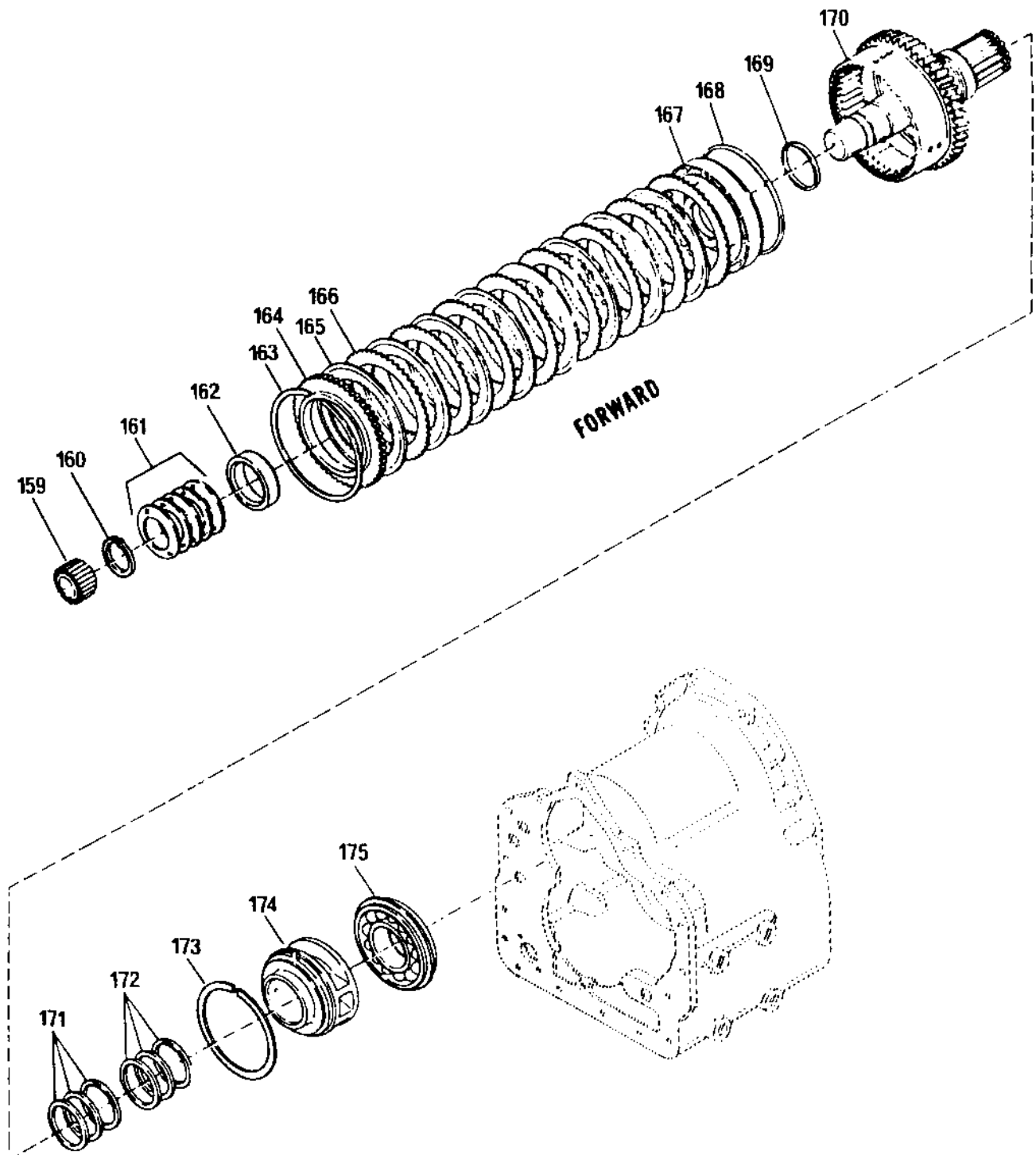


Low speed shaft

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	240640		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	240719		4	Spring washer	
157	193702		4	Nut	
158	193703		1	O-ring	

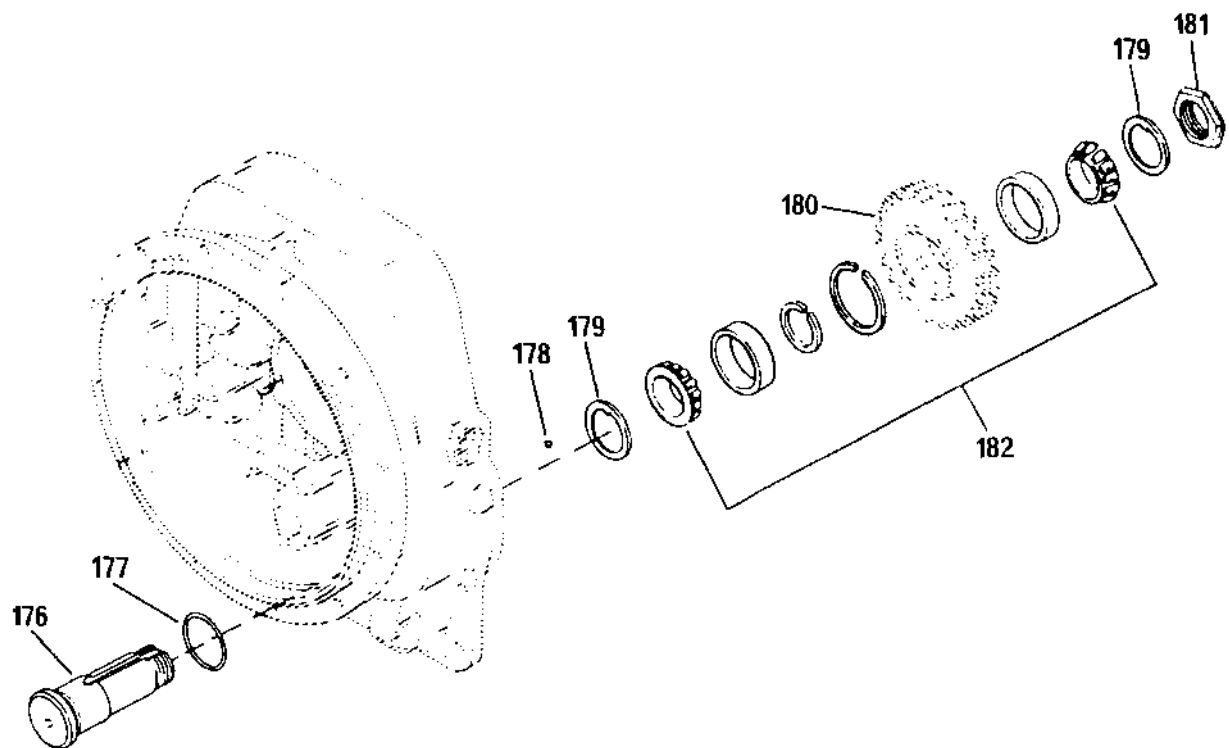
Forward shaft

16221



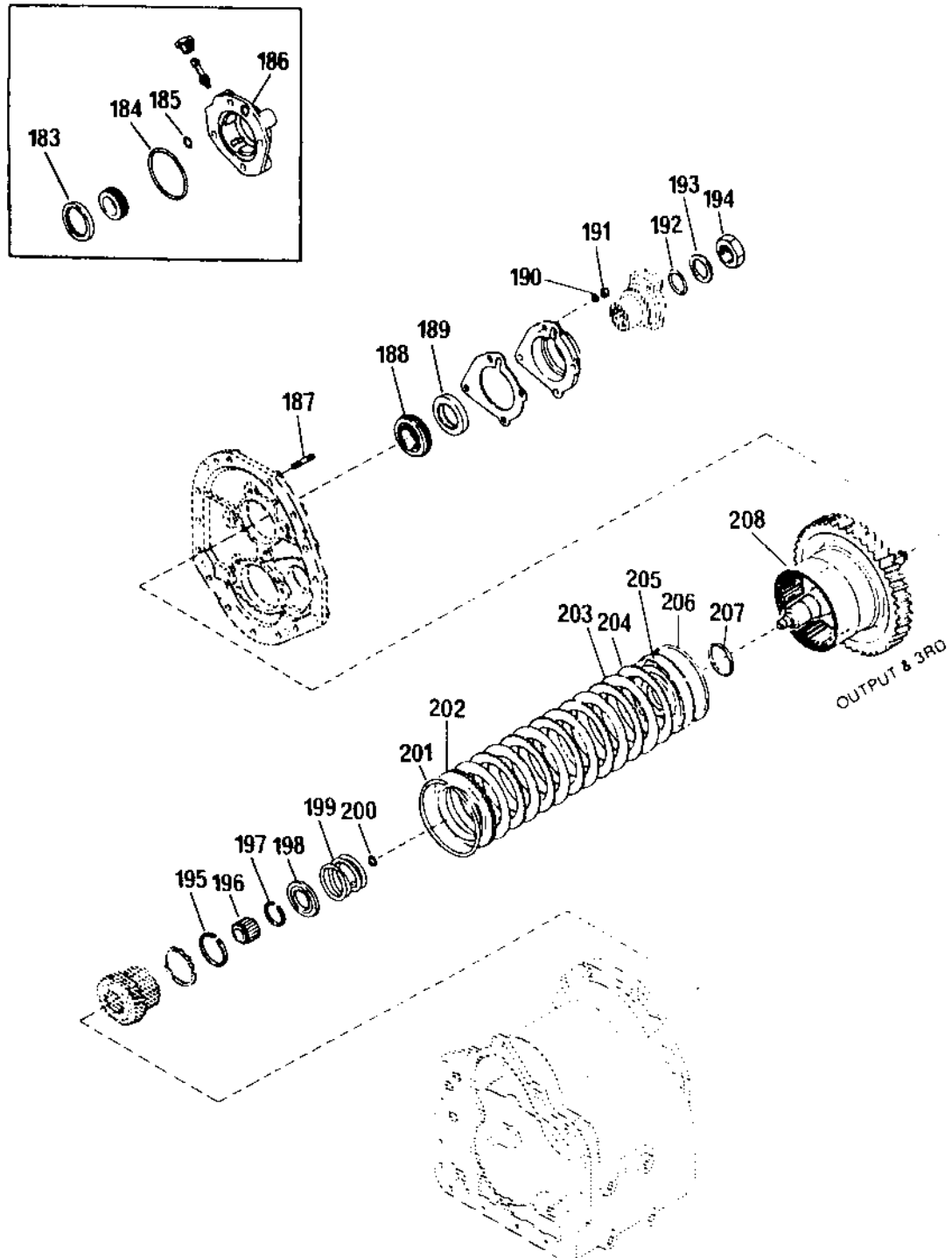
Forward shaft

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

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	

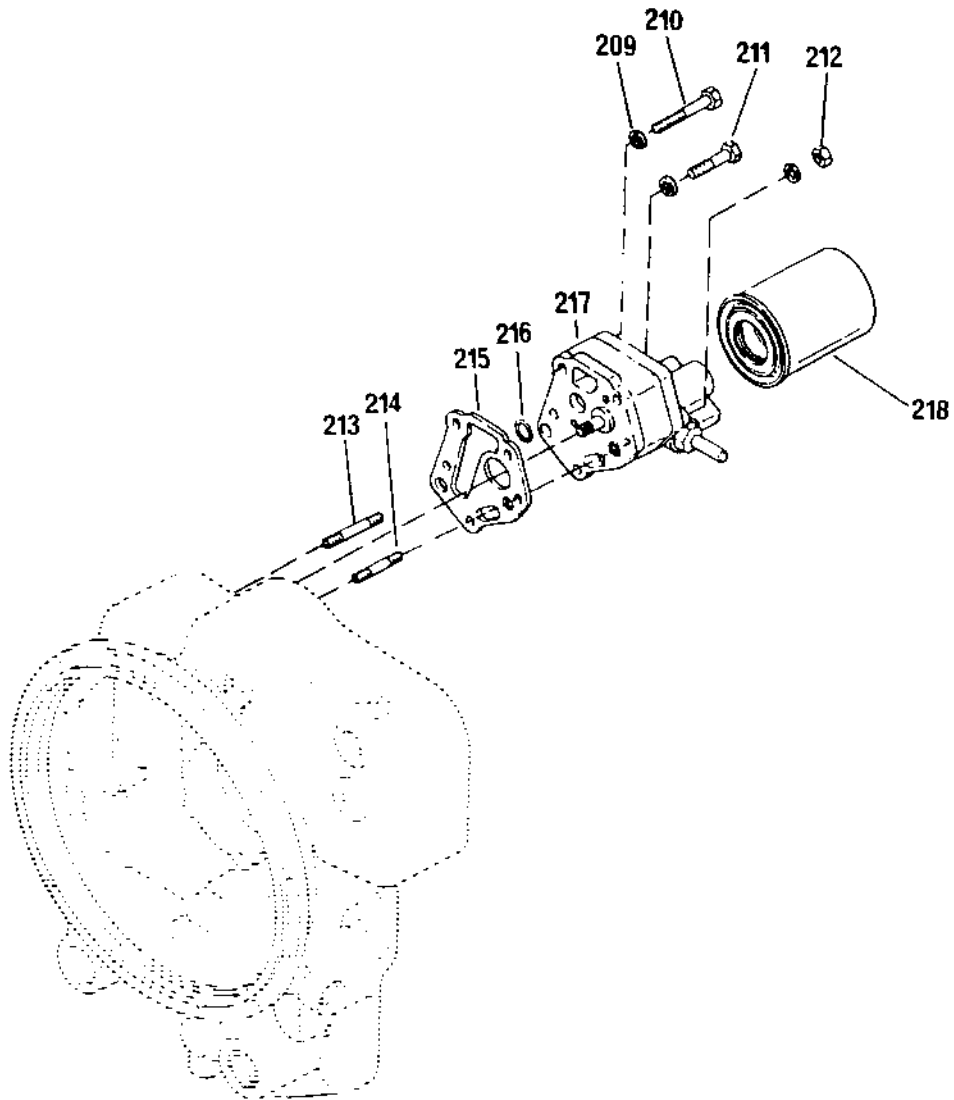


Output & 3rd clutch

Ref. No.	Part No.	Rem.	Qty	Description	Code
183	240630		1	Spacer	
184	193712		1	O-ring	
185	193713		1	O-ring	
186	240711		1	Cover	
187	240710		4	Stud	
188	240590		1	Bearing	
189	193710		1	Oil seal	
190	240724		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	

Charging pump & oil filter

16224

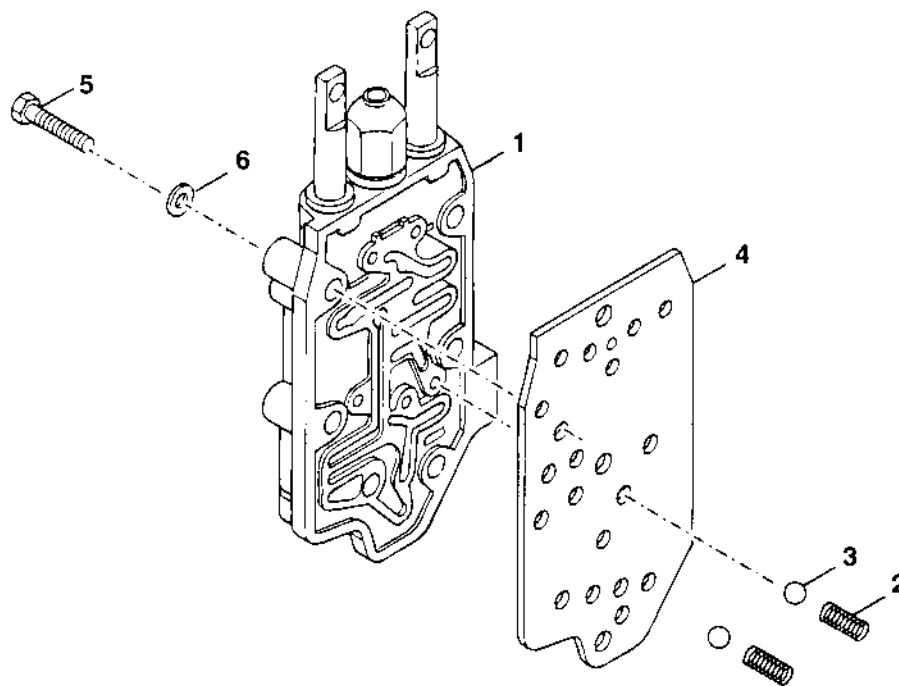


Charging pump & oil filter

Ref. No.	Part No.	Rem.	Qty	Description	Code
209	240719		5	Spring washer	
210	240566		1	Screw	
211	240565		2	Screw	
212	240726		2	Nut	
213	240671		1	Stud	
214	240670		1	Stud	
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

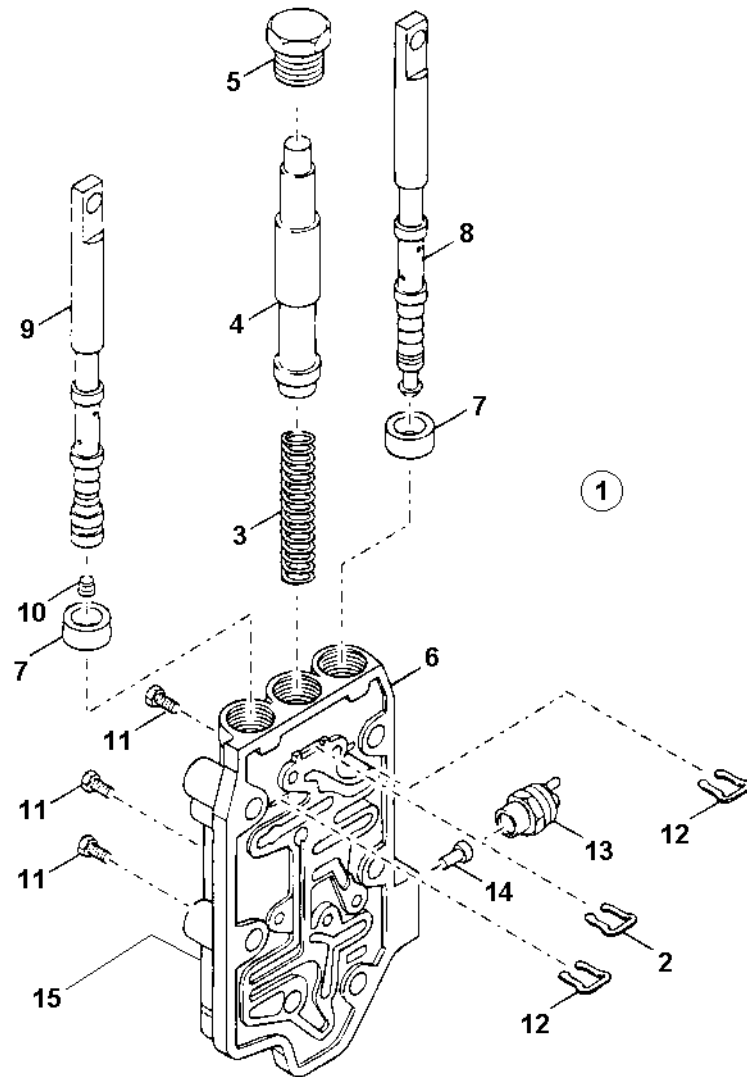


Control valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	240647		1	Control valve assembly (Page 156)	
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

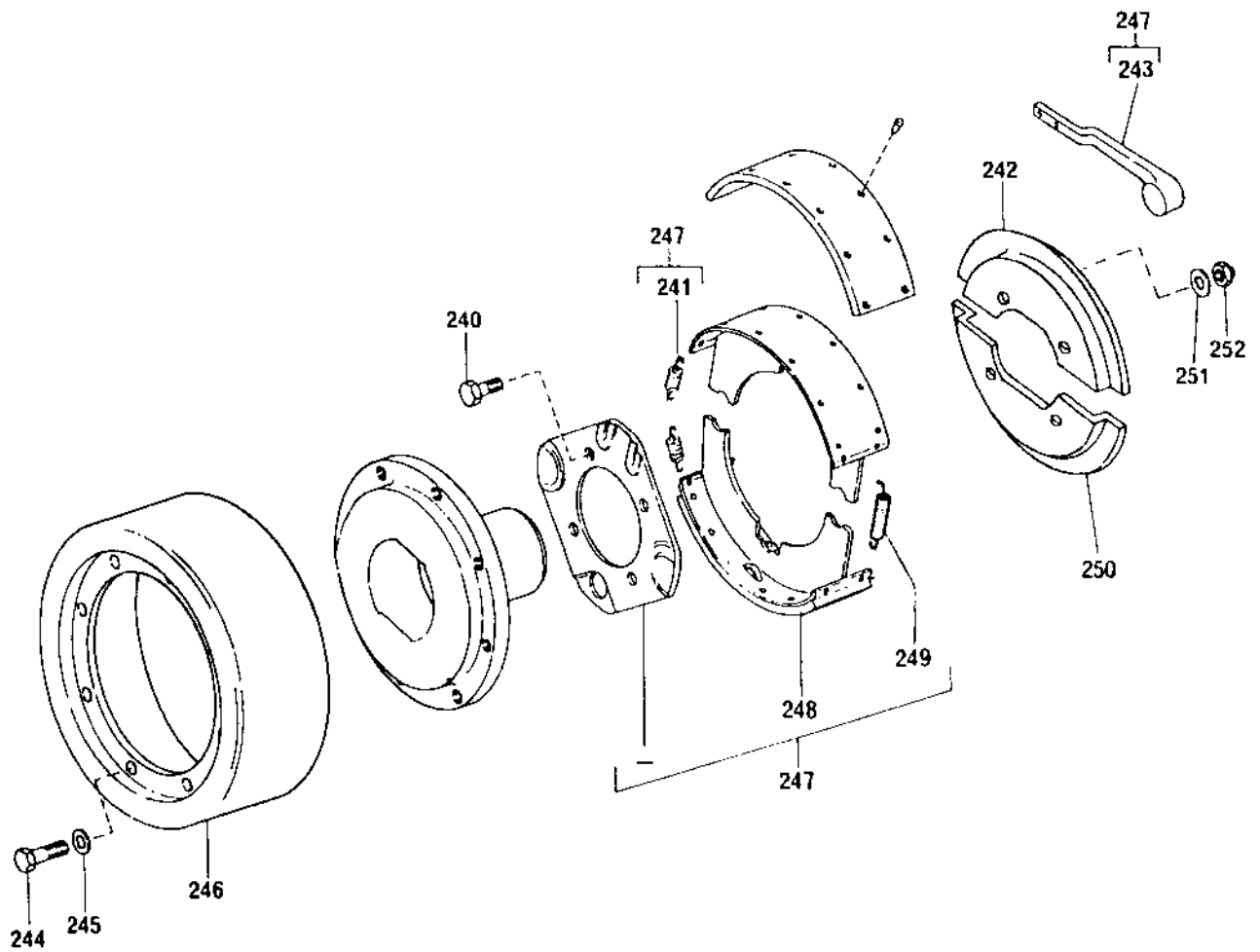
Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Control valve, cpl	
2	240609		1	.Clamp	
3	240610		1	.Valve spring	
4	240611		1	.Control piston	
5	240685		1	.Back stop	
6	240648		1	.Control valve, assy	
7	193719		1	..Oil seal	
8	240608		1	..Control piston	
9	240607		1	..Control piston	
10	240674		1	...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)

Drum brake

16228



Drum brake

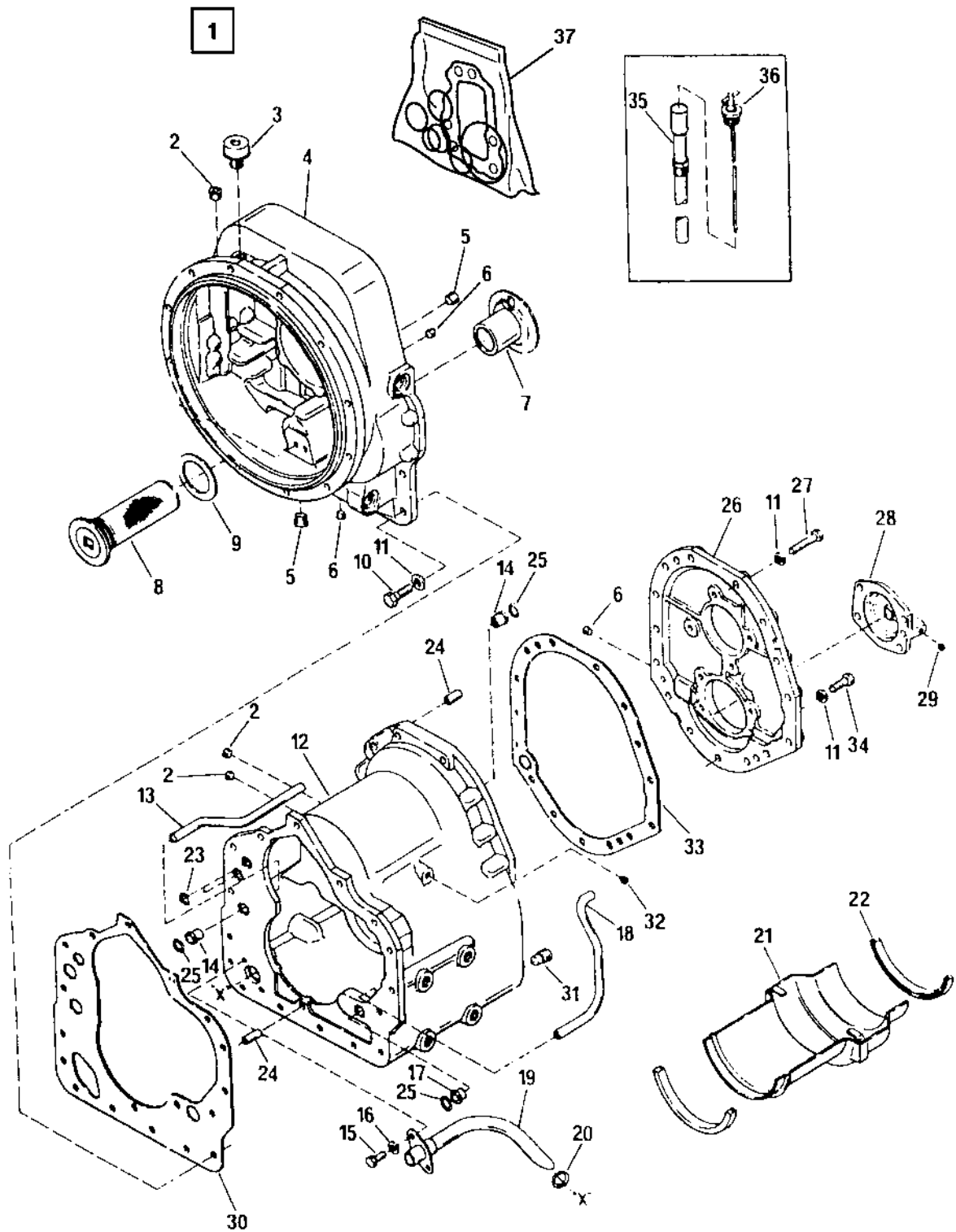
Ref. No.	Part No.	Rem.	Qty	Description	Code
240	193720		4	Screw	
241	240705		2	Spring	
242	240707		1	Protection	
243	240706		1	Lever	
244	240578		8	Screw	
245	240717		8	Spring washer	
246	240709		1	Brake drum	
247	240714		1	Brake assembly	
248	240715		2	.Brake shoe	B
249	193721		1	Spring	
250	240708		1	Protection	
251	240723		4	Spring washer	
252	240727		4	Nut	

Transmission From SN 22620245

Ref. No.	Part No.	Rem.	Qty	Description	Code
15				Converter housing & case (Page 162)	
25				Turbine shaft, stator support (Page 164)	
35				Drive plate (Page 166)	
45				Torque converter (Page 168)	
55				Auxiliary pump drive (Page 170)	
65				Charging pump drive (Page 172)	
75				Reverse & 2nd shaft (Page 174)	
85				Low speed shaft (Page 176)	
95				Forward shaft (Page 178)	
105				Reverse idler (Page 180)	
115				Output & 3rd clutch (Page 182)	
125				Charging pump & oil filter (Page 184)	
135				Control valve (Page 154)	
165				Disc brake (Page 190)	

Converter housing & case

16455-1



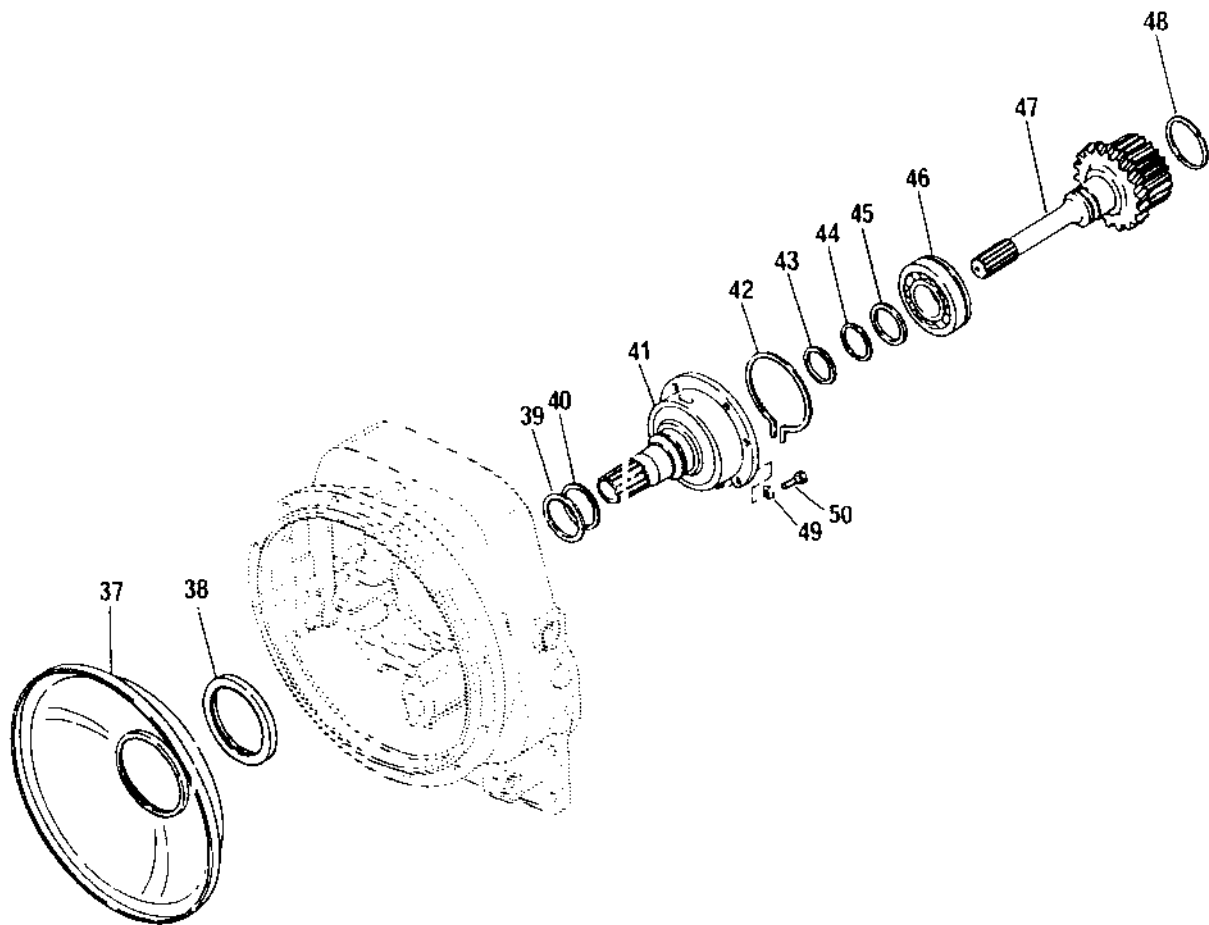
Converter housing & case

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	374966	A	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	

A) Clark-Hurth

Turbine shaft, stator support

16456

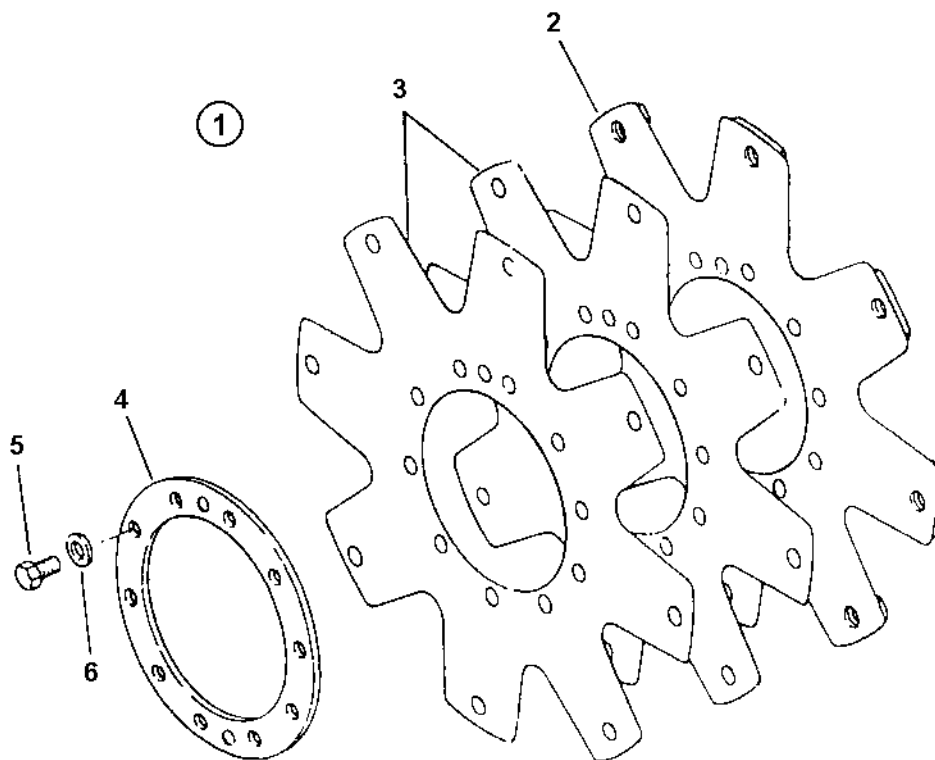


Turbine shaft, stator support

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	

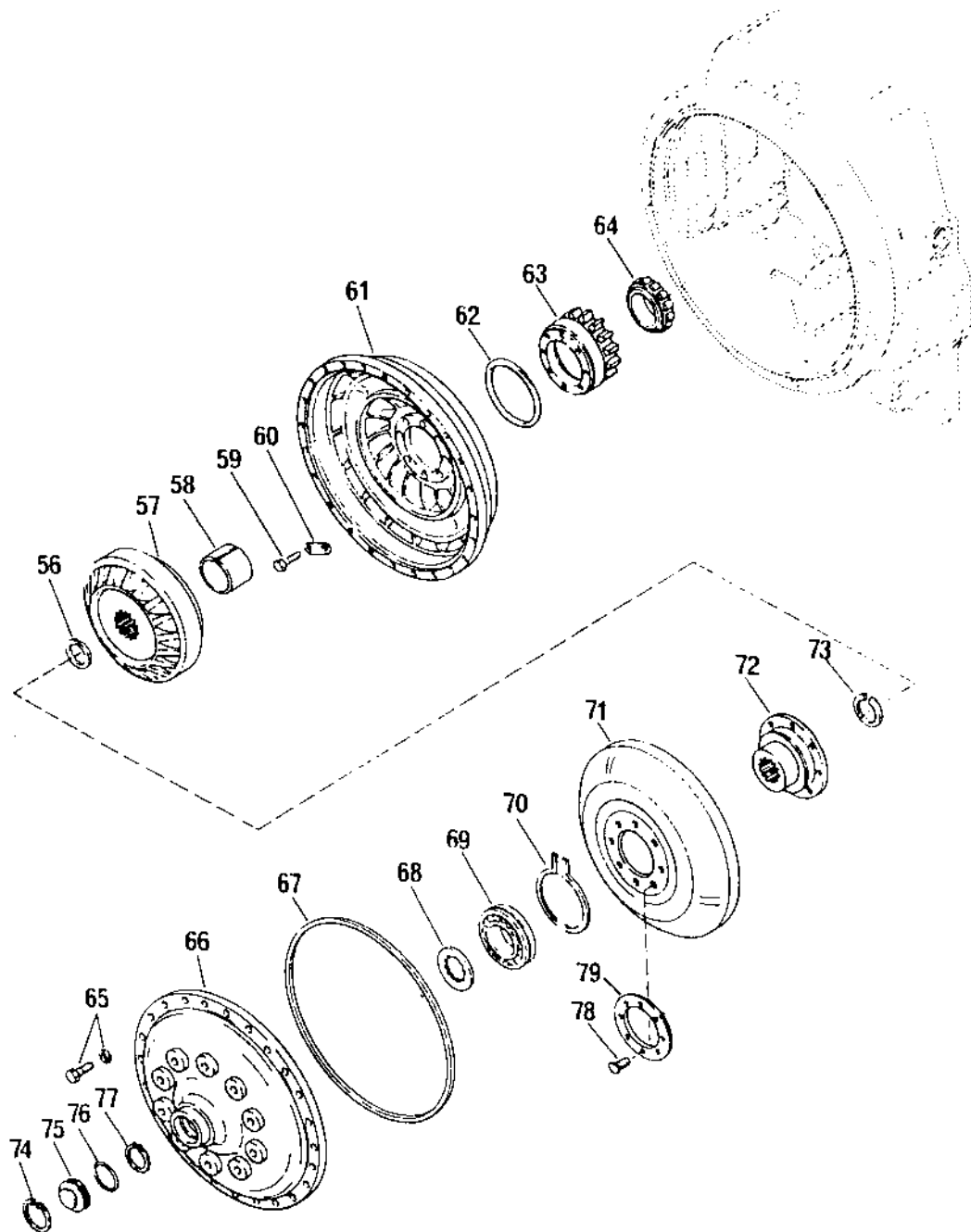
Drive plate

16457-1



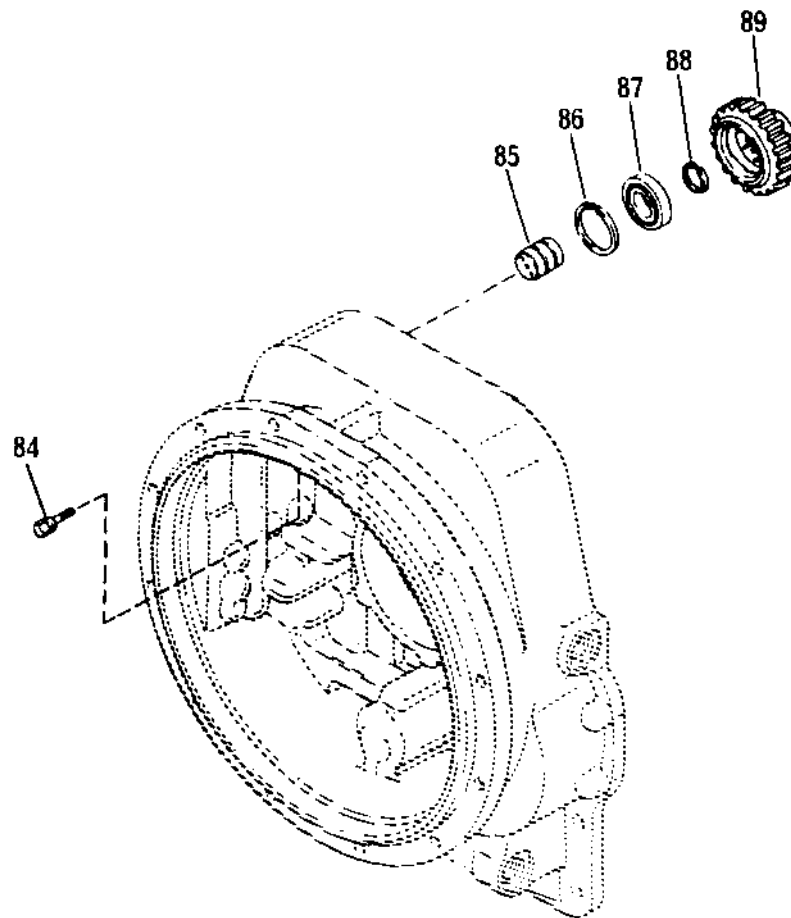
Drive plate

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	



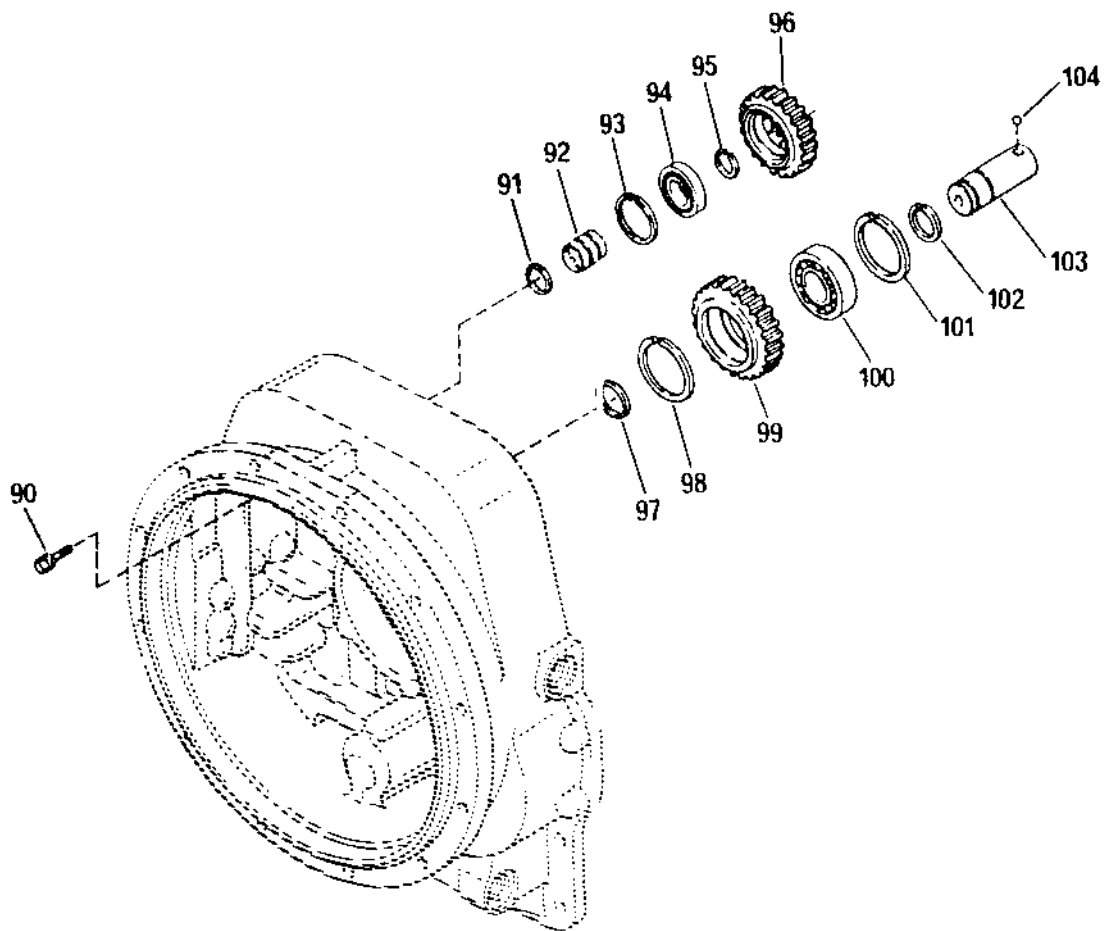
Torque converter

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	



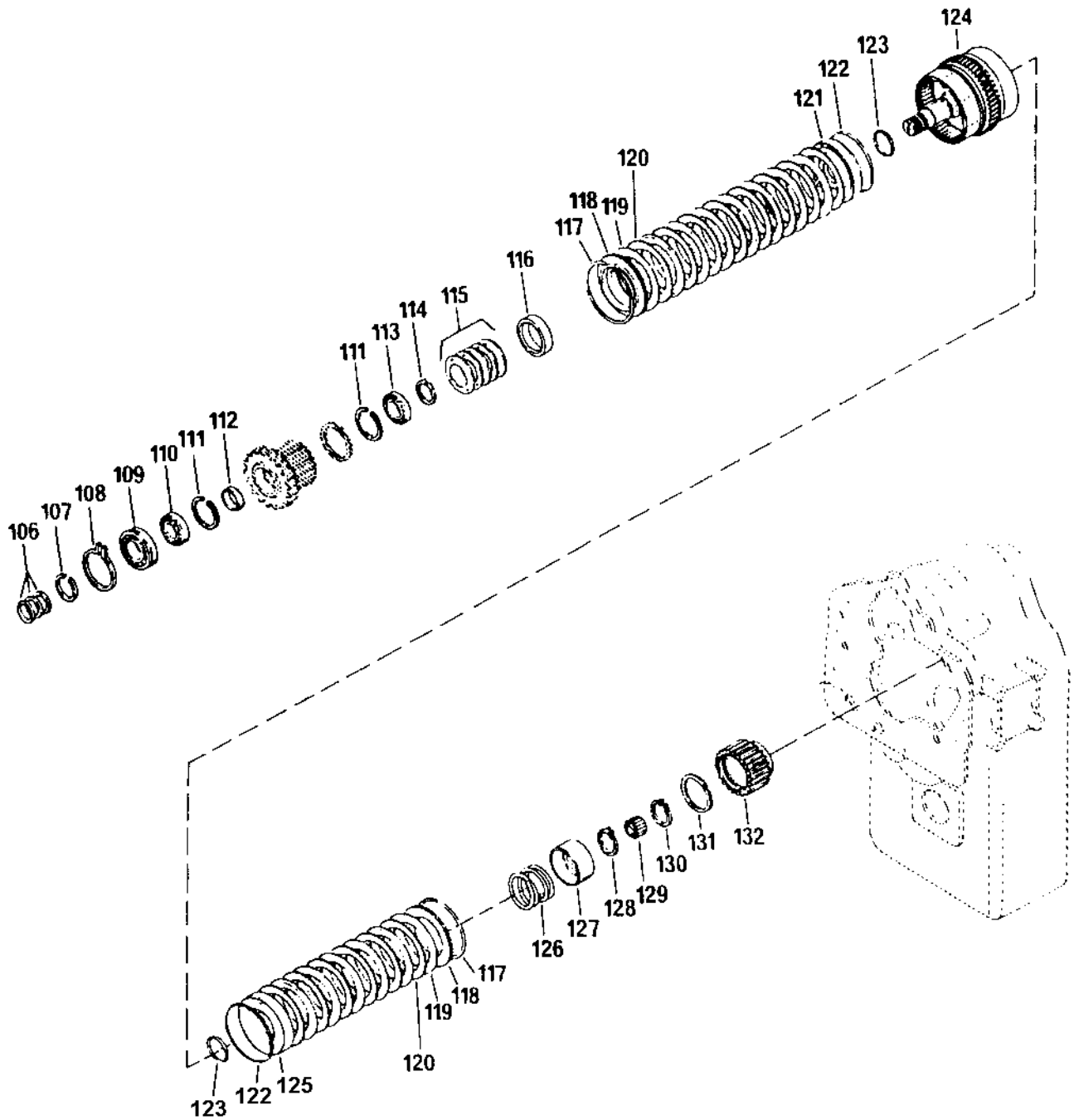
Auxiliary pump drive

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

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	

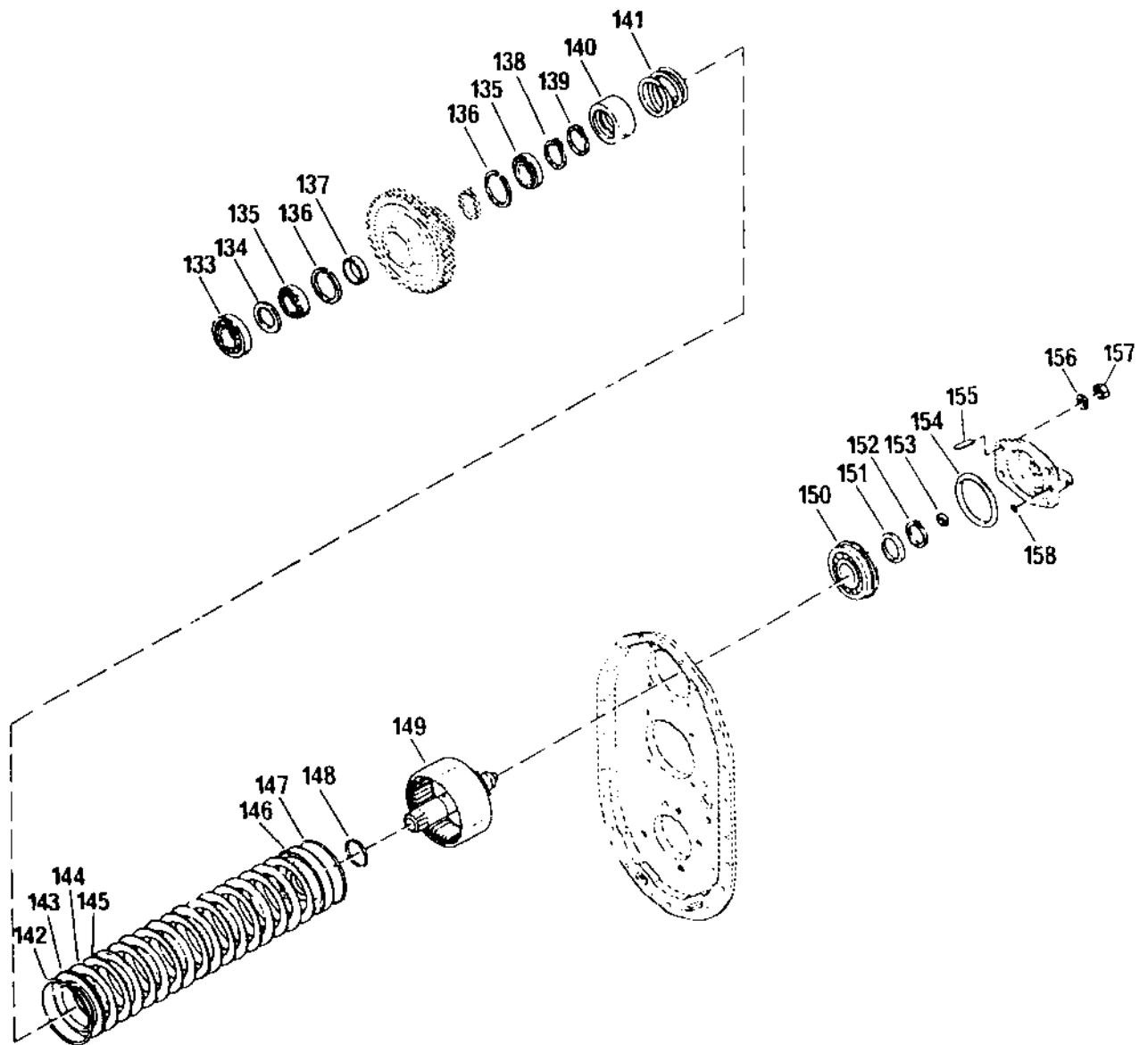


Reverse & 2nd shaft

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

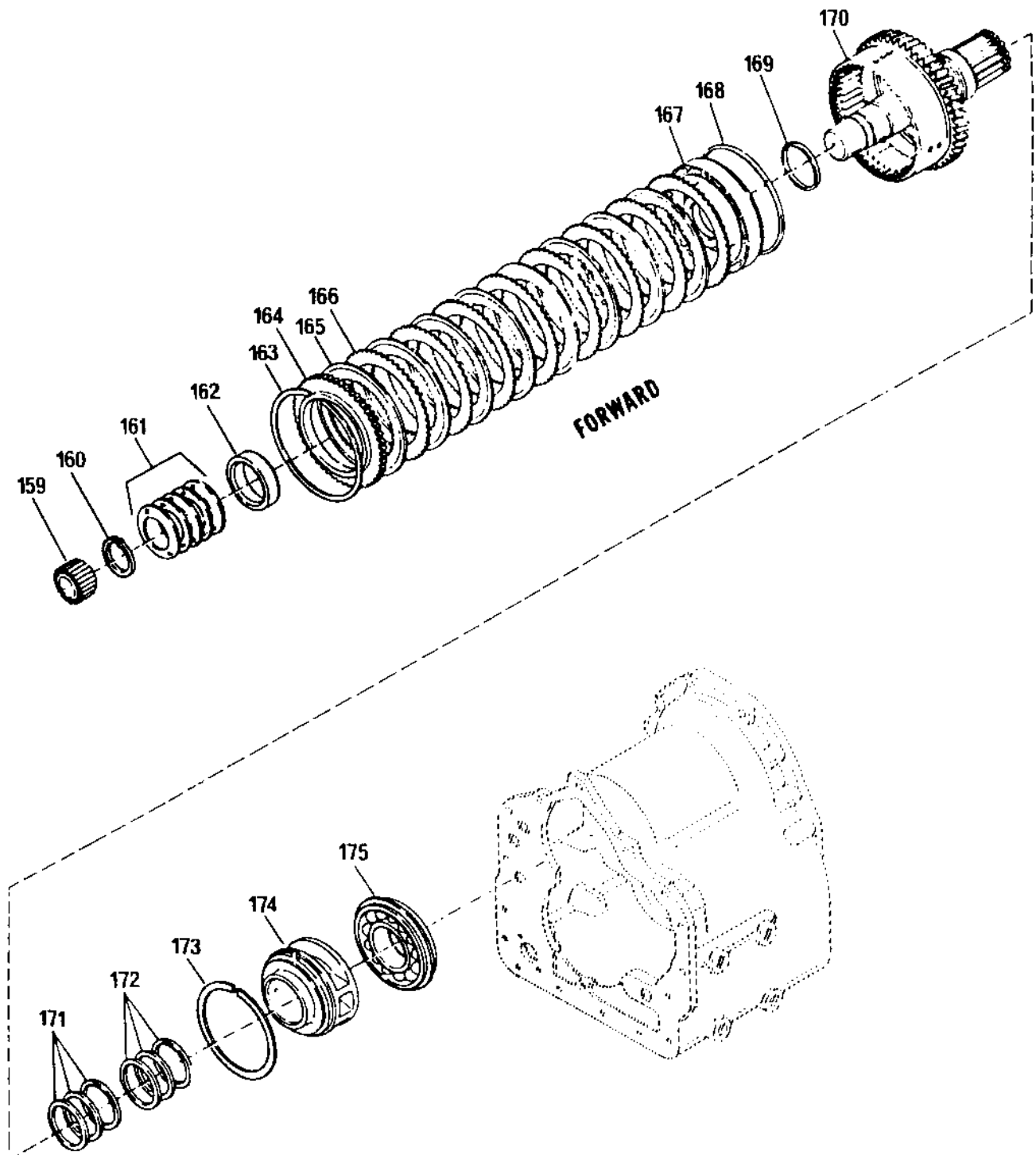


Low speed shaft

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

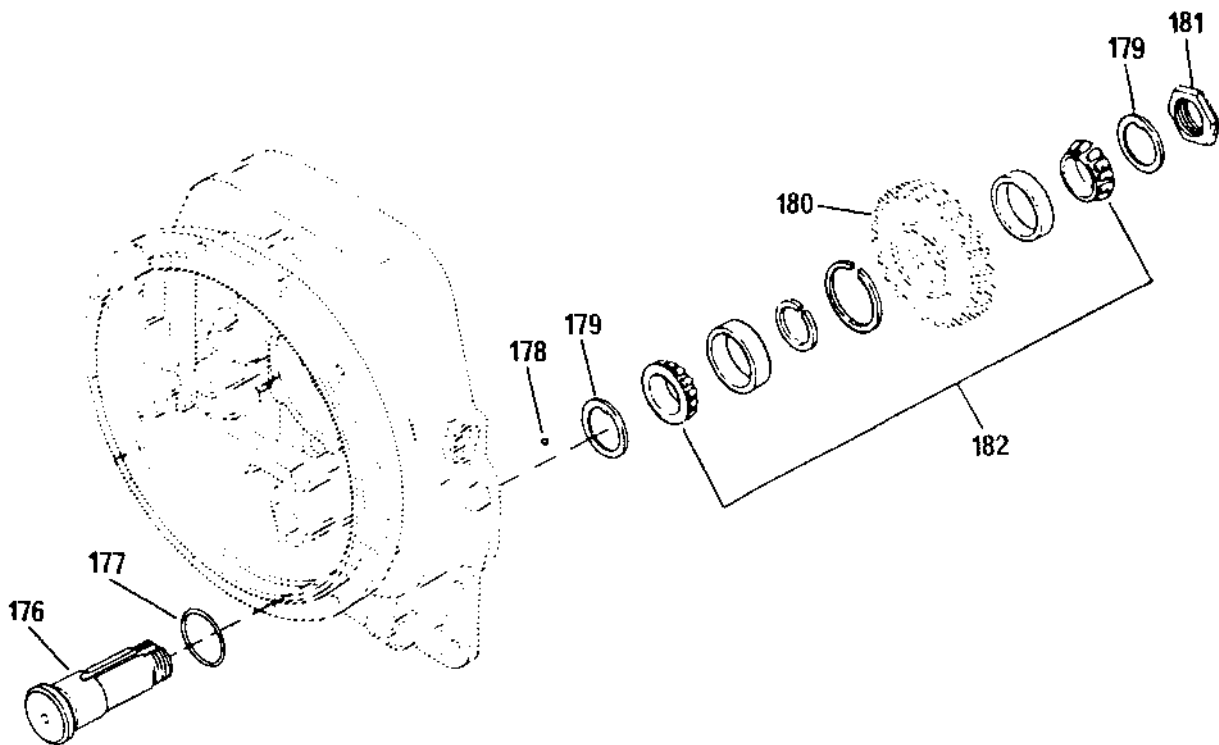


Forward shaft

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

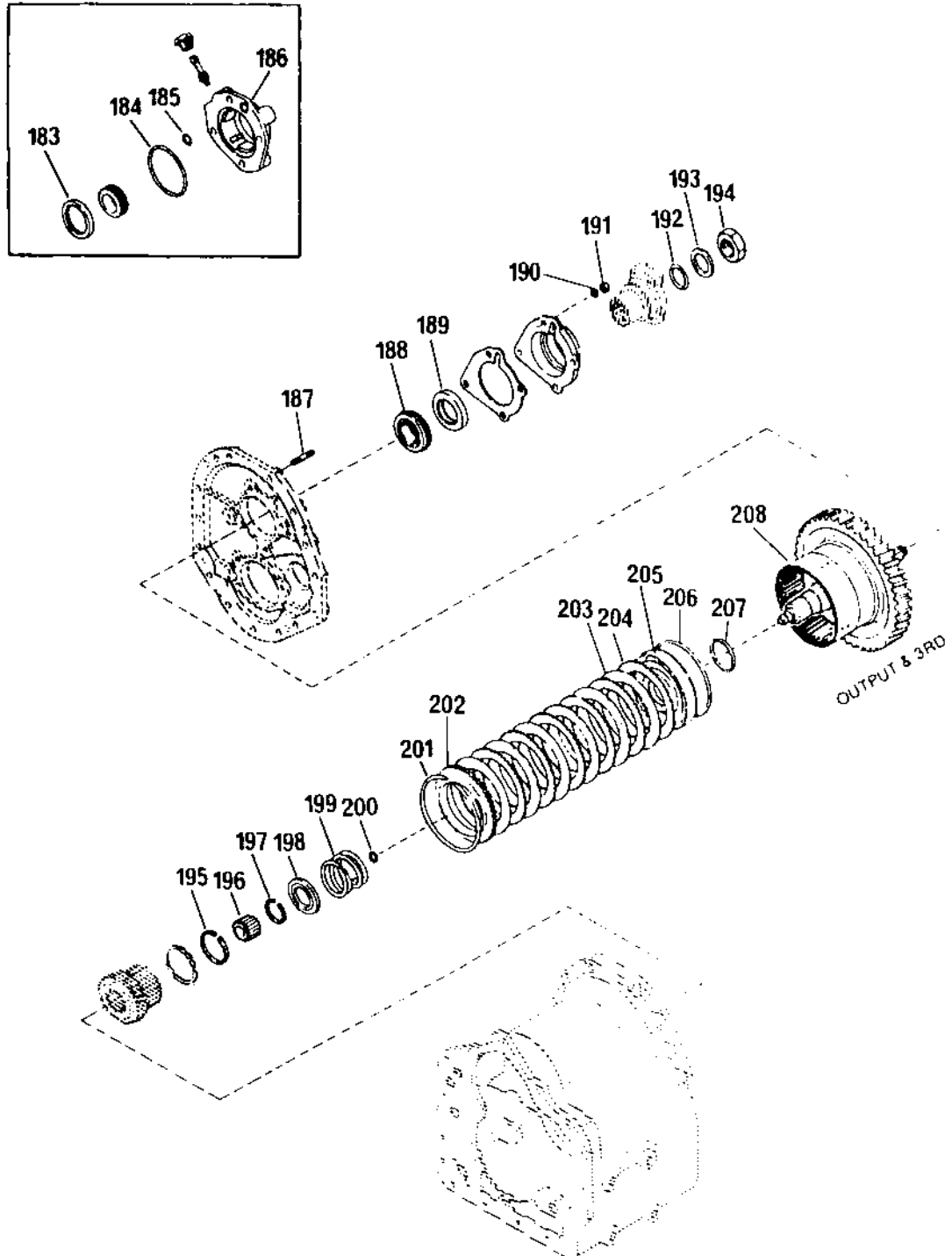


Reverse idler

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

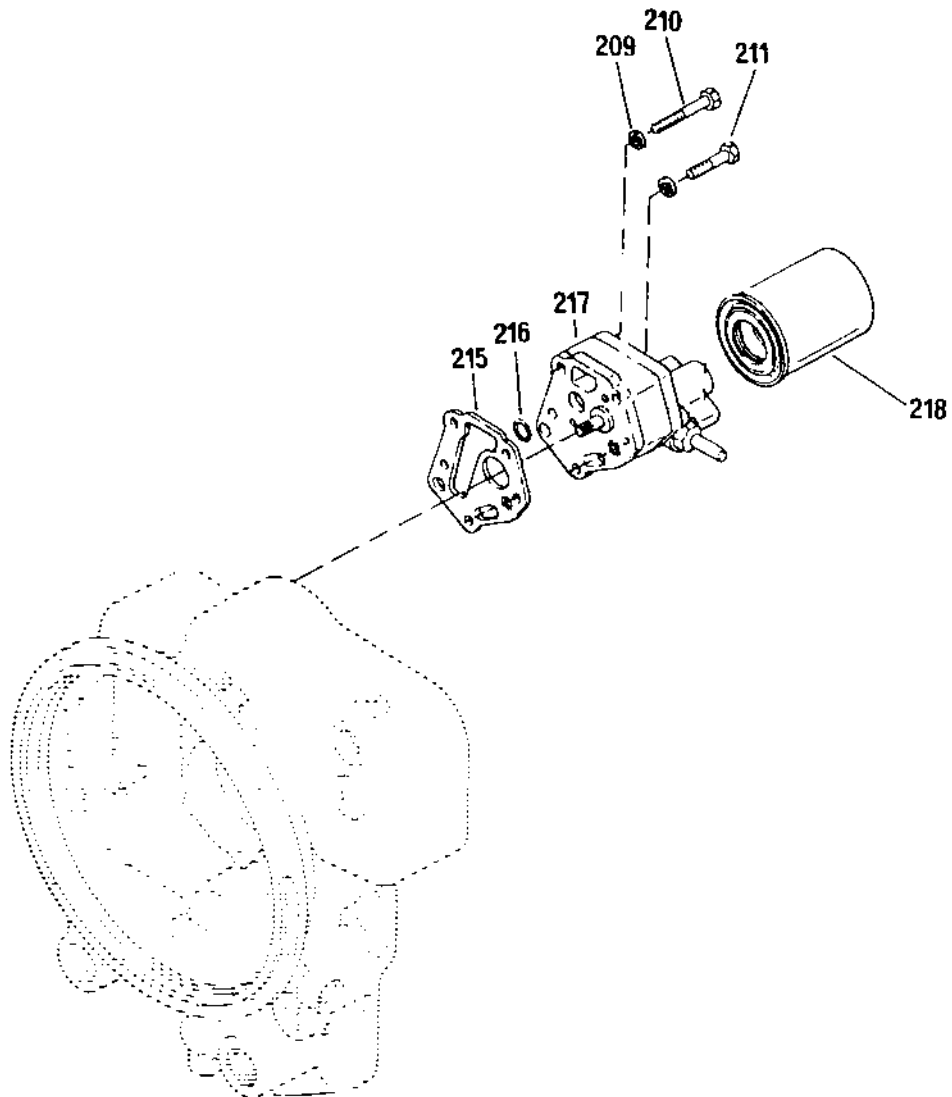


Output & 3rd clutch

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	

Charging pump & oil filter

16466

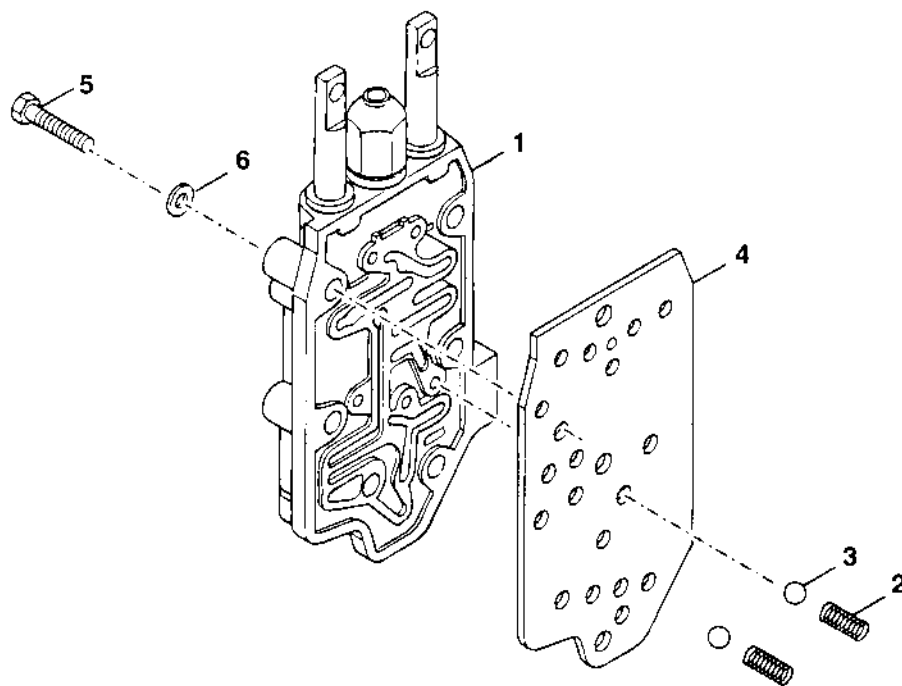


Charging pump & oil filter

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

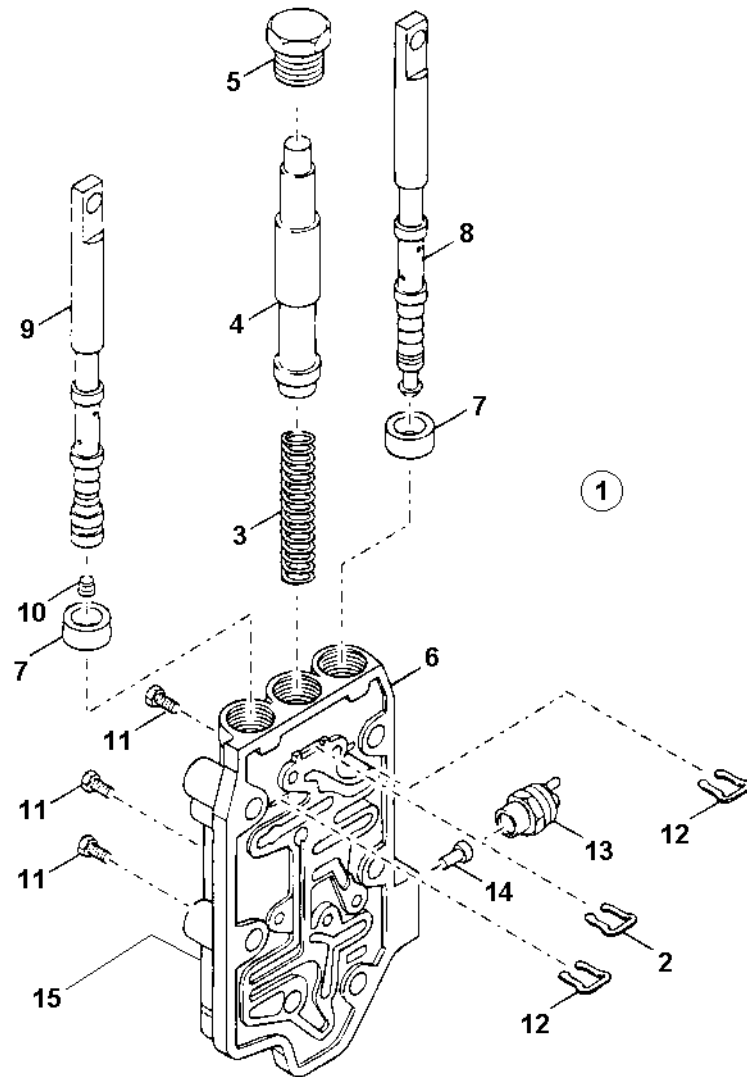


Control valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	240647		1	Control valve assembly (Page 156)	
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

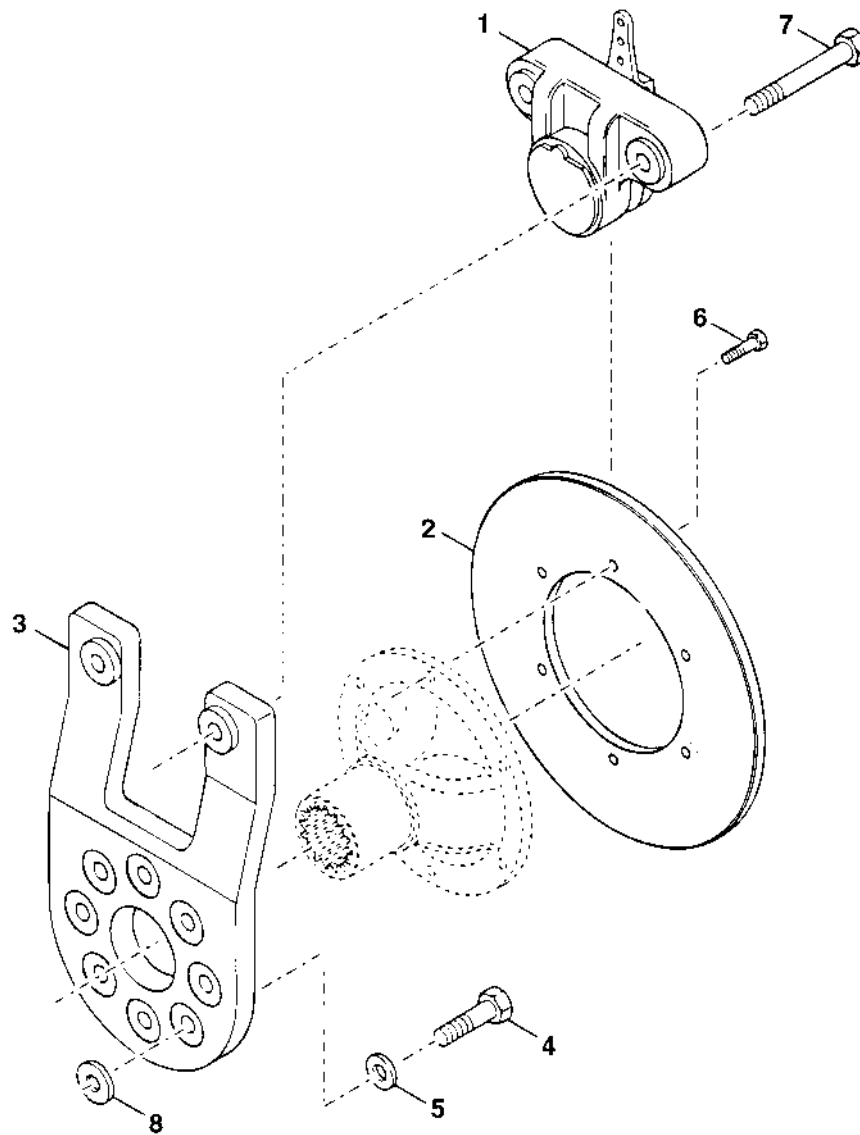


240647 Control valve assembly

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	

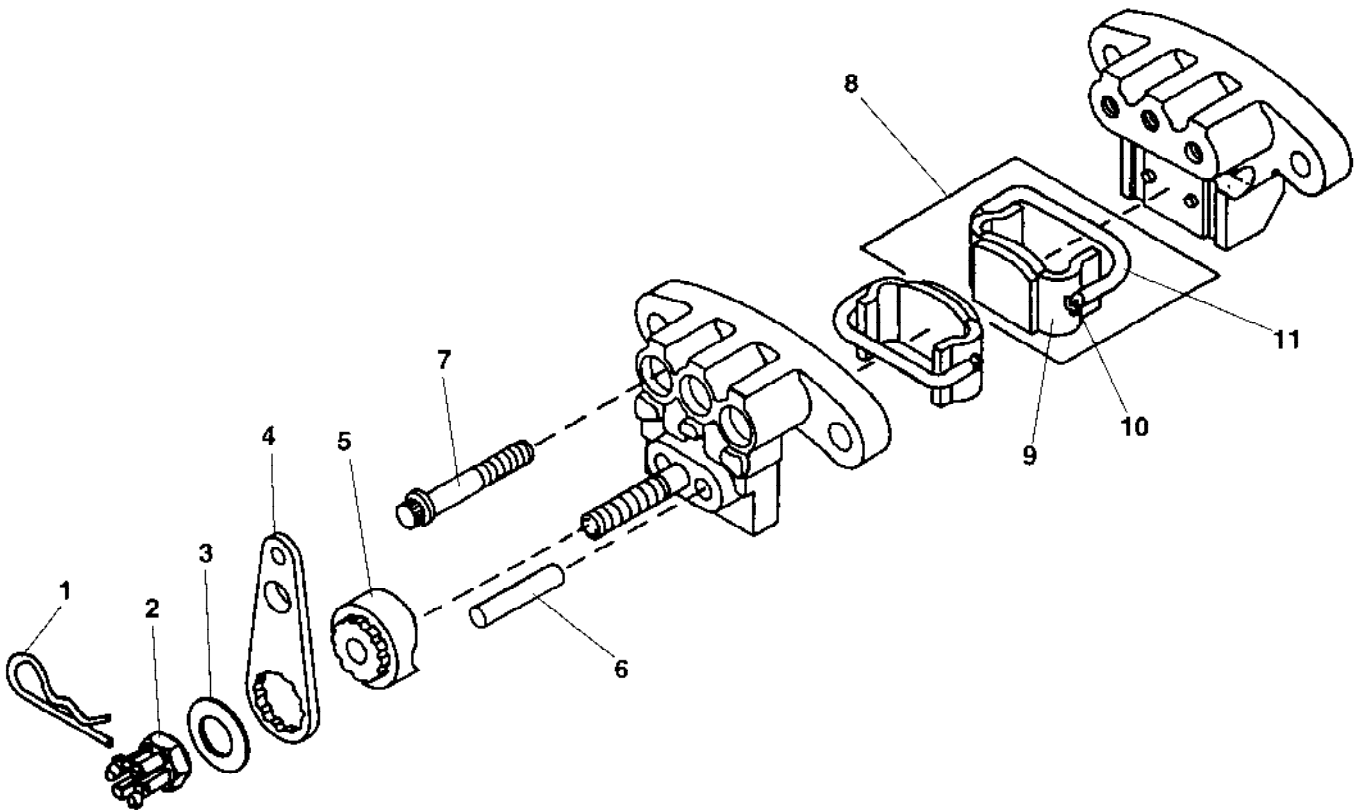
A) Neutral start switch

B) Reverse sensor, always sold separately, (not illustrated)



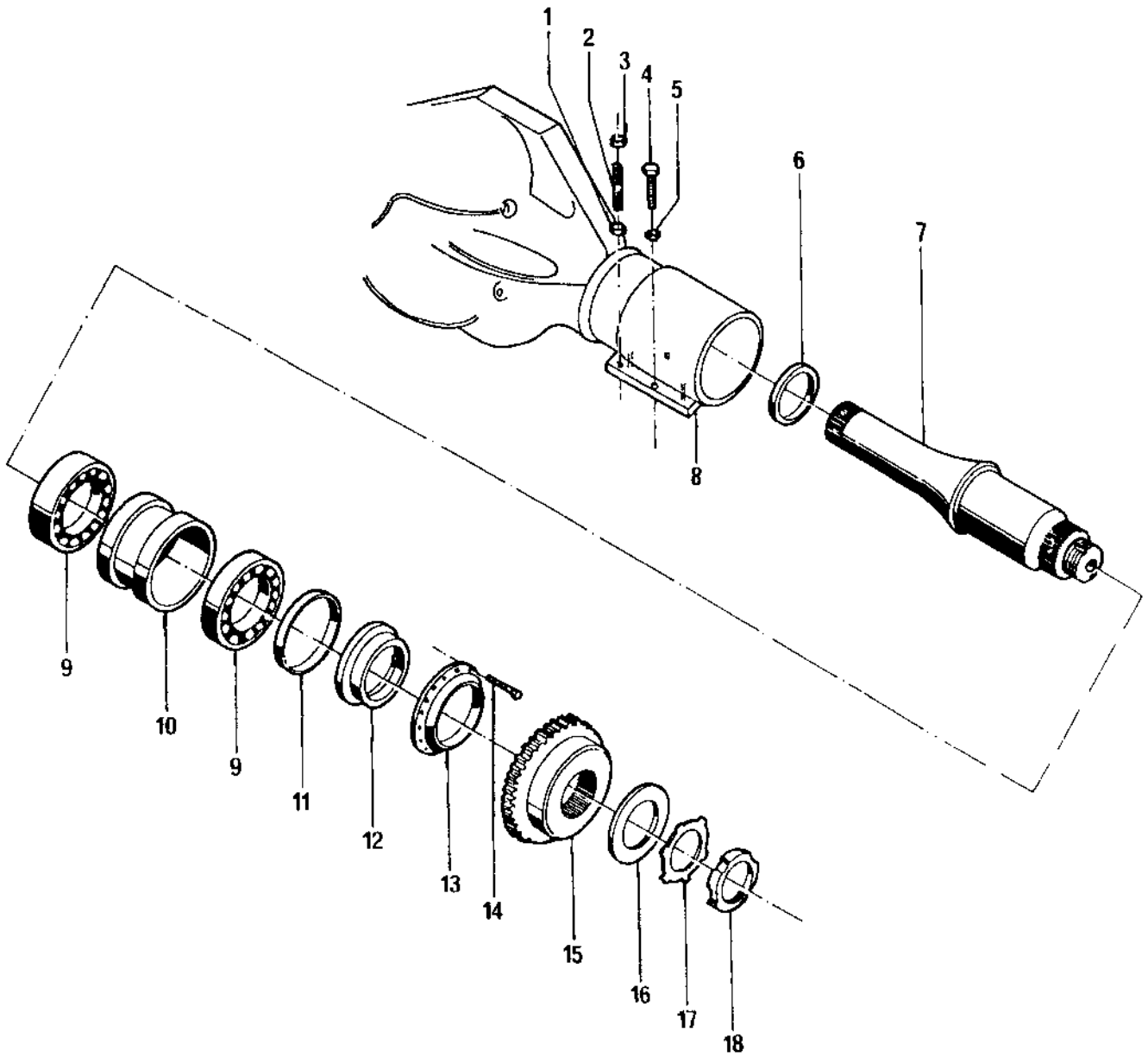
Disc brake

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	937693		1	Brake caliper (Page 192)	
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

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

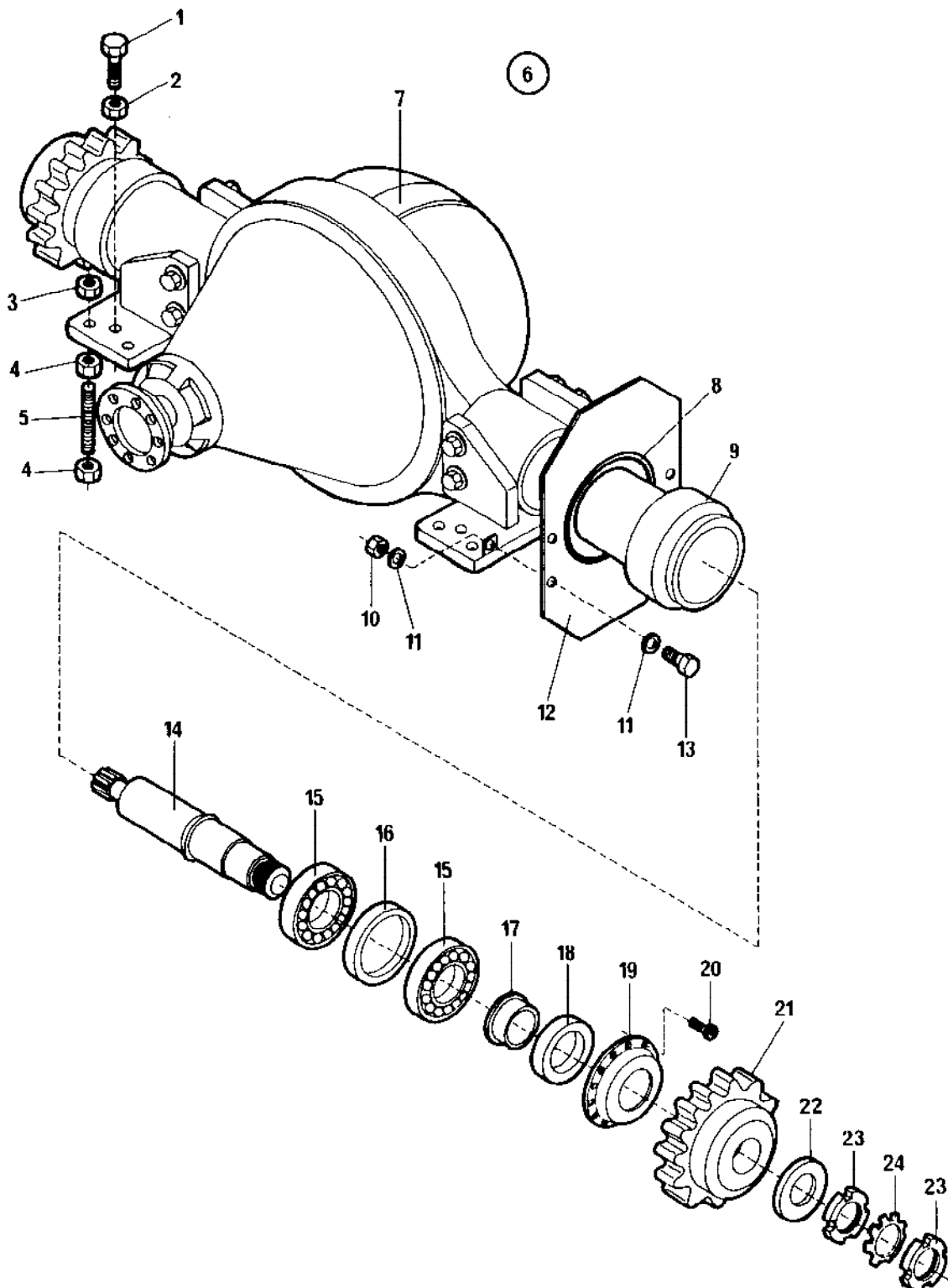


Rear axle Mercedes Benz

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	586009		8	Nut	
2	252914		8	Stud	
3	571007		16	Nut	
4	503133		4	Screw	
5	572007		4	Nut	
6	161081		2	Seal ring Up to 699B247	
7	250684		2	Shaft Up to 699B247	
8	251052		1	Differential, cpl Up to 699B247	
9	116020		4	Bearing Up to 699B247	
10	250686		2	Spacer ring Up to 699B247	
11	161082		2	Seal ring Up to 699B247	
12	250687		2	Spacer ring Up to 699B247	
13	254036		2	Bearing housing cover Up to 699B247	
14	500060		32	Screw Up to 699B247	
15	250652		2	Gear Up to 699B247	
16	251053		2	Washer Up to 699B247	
17	136010		2	Washer Up to 699B247	
18	135010		4	Nut	

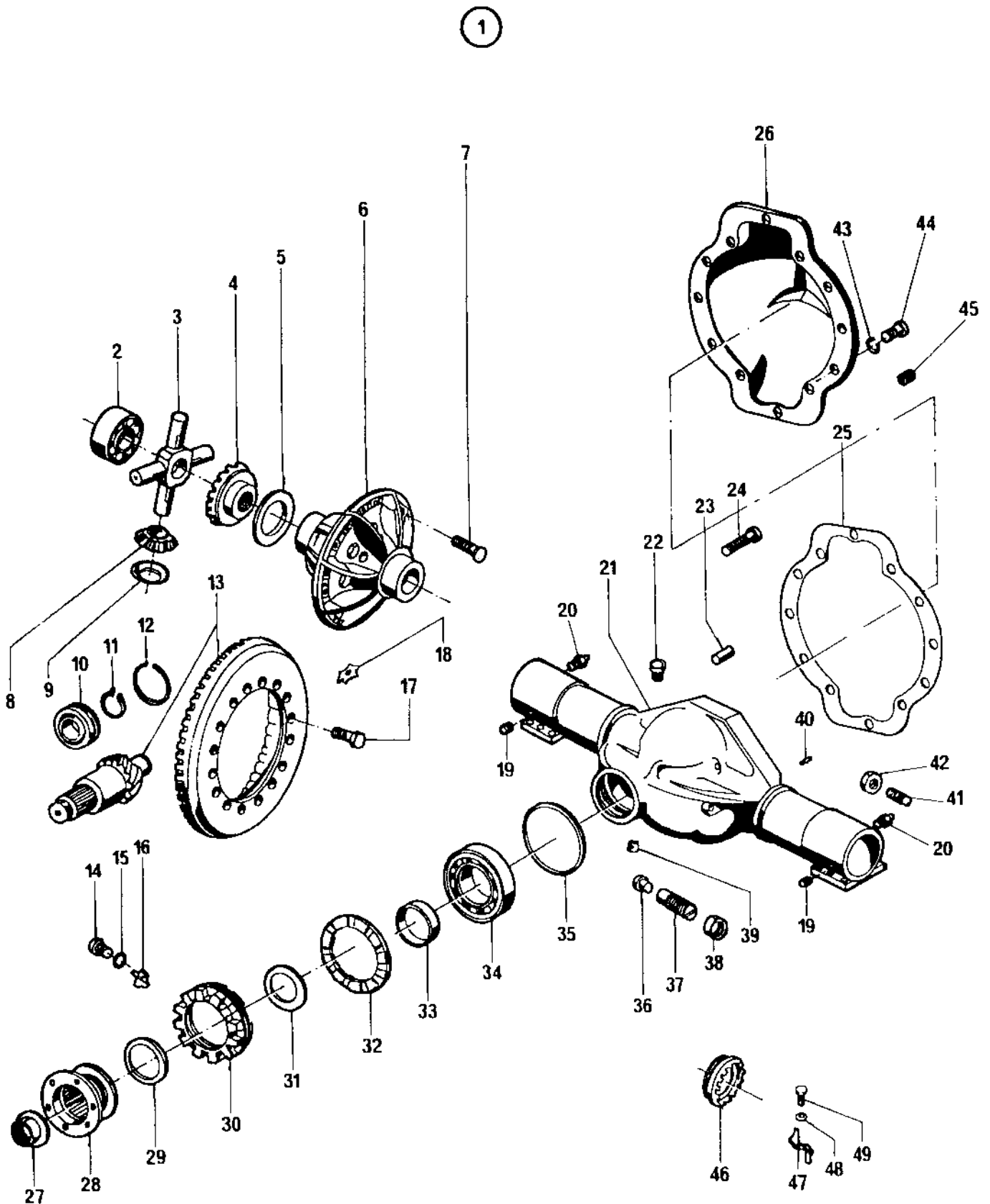
Rear axle Eaton

16235



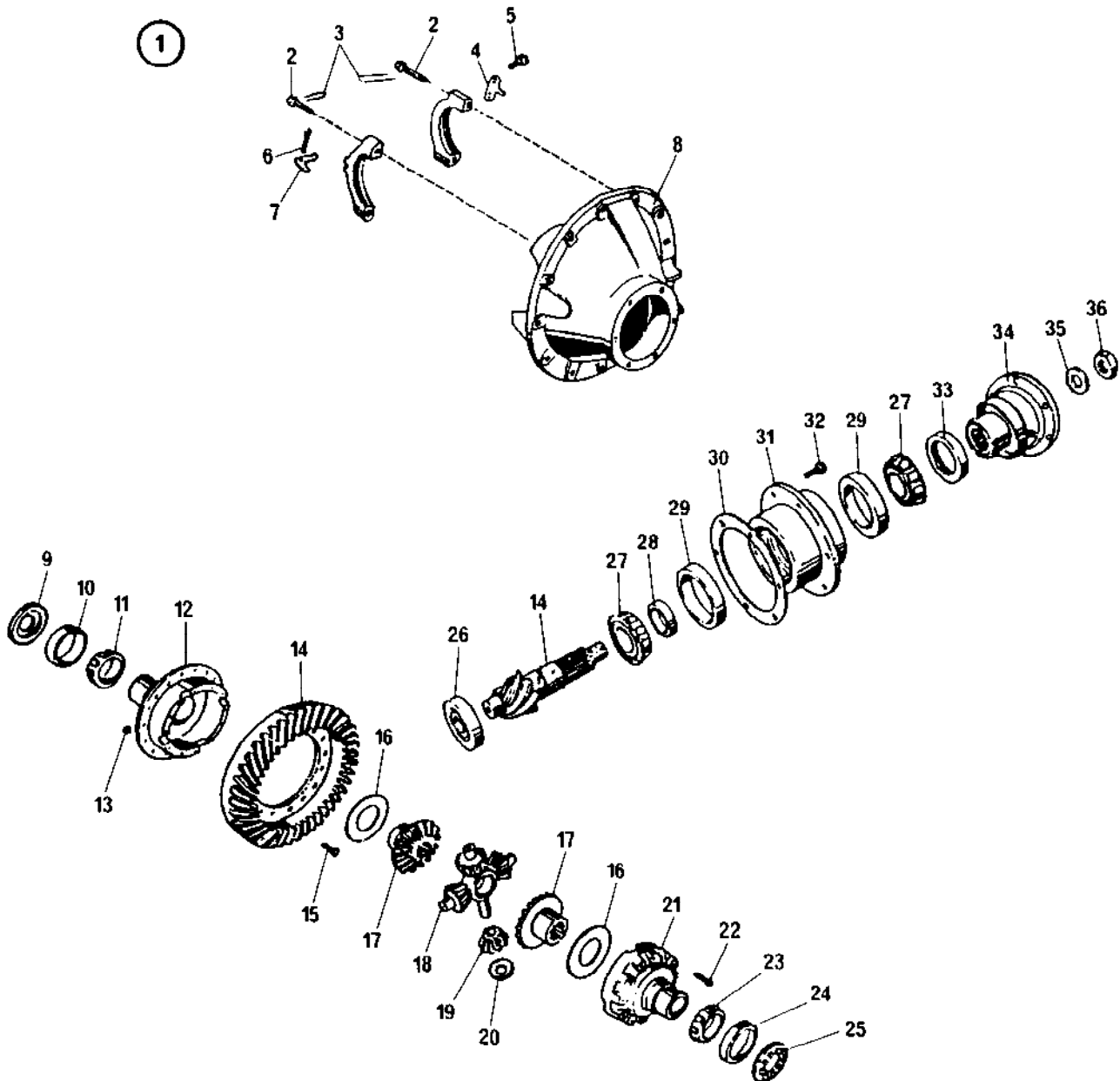
Rear axle Eaton

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	503133		4	Screw	
2	572007		4	Nut	
3	586009		8	Nut	
4	571007		16	Nut	
5	252914		1	Stud	
6	193378		1	Differential assembly	
7	194593		1	.Differential kit	
8	246947		2	.Rubber strip	
9	194604		2	.Bearing housing	
10	570006		4	.Nut M10	
11	603023		8	.Washer M10	
12	241820		2	.Cover	
13	500030		4	.Screw M10-1,5x35H 8,8	
14	194603		1	.Shaft, left	
	194602		1	.Shaft, right	
15	116020		4	.Bearing	
16	194594		2	.Spacer	
17	194595		2	.Spacer	
18	194605		2	.Seal ring	
19	194606		2	.Cover	
20	194615		32	.Screw	
21	194601		2	.Gear	
22	194597		2	.Washer	
23	194598		4	.Nut	
24	194599		2	.Lock washer	



Differential - 699B247, Mercedes Benz

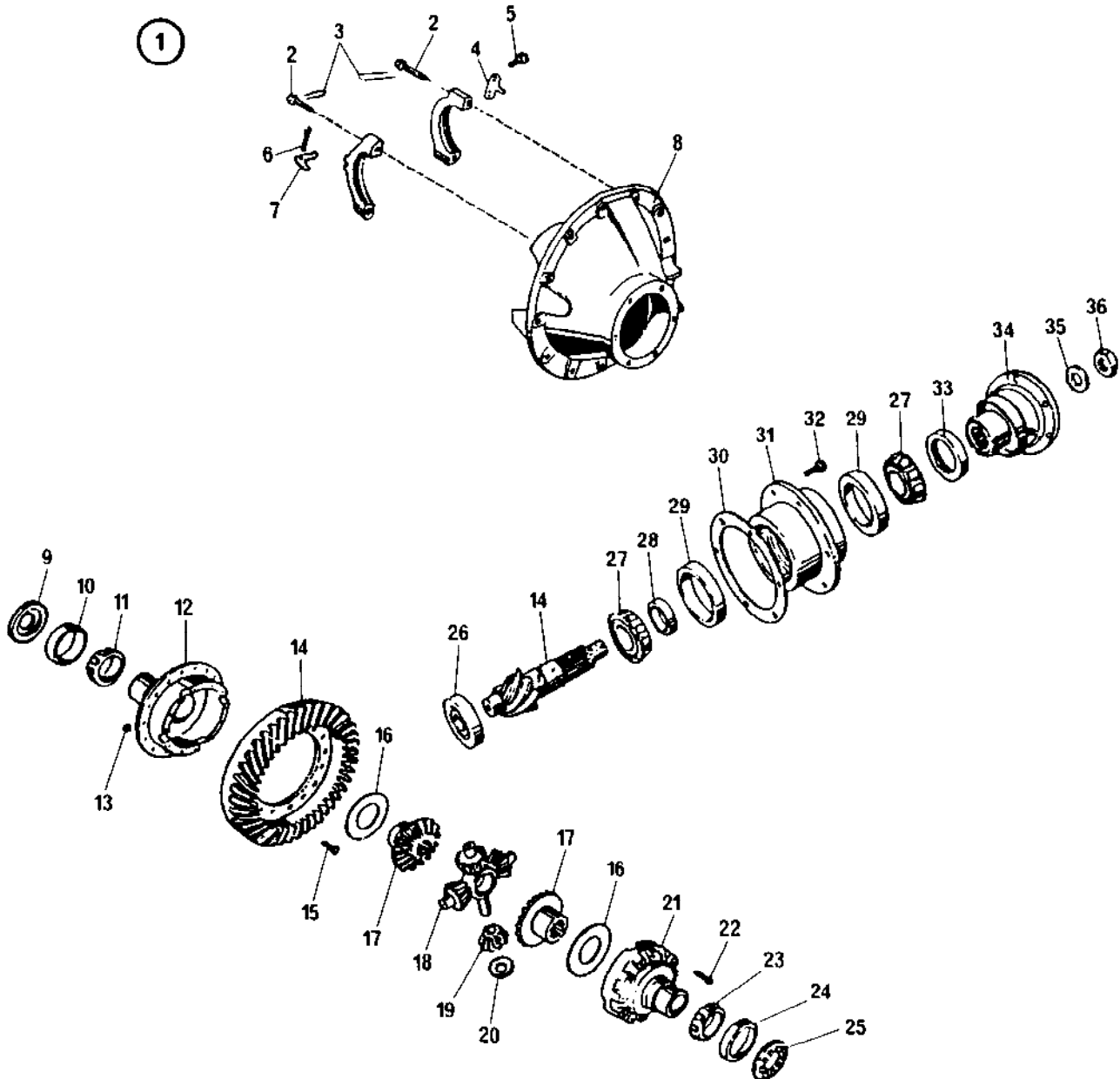
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	251052		1	Differential, cpl	
2	754048		2	.Bearing	D
3	754063		1	.Cross	
4	754083		1	.Gear	
5	754062		2	.Washer	
6	754066		1	.Box	
7	754086		8	.Screw	
8	754082		4	.Gear	
9	754058		4	.Washer	
10	754051		1	.Bearing	
11	754044		1	.Ring	
12	754077		1	.Clamp	
13	754065		1	.Drive pinion, gear	
14	500018		1	.Screw M8-1,25x12 8,8	
15	754053		1	.Washer	
16	754072		1	.Lock	
17	754076		1	.Screw	
18	754074		8	.Lock	
19	333129		2	.Breather	
20	310001		2	.Grease nipple	D
21			1	.Housing	D
22	754056		1	.Breather	
23	754042		4	.Pin	
24	754084		4	.Screw	
25	754069		1	.Gasket	
26	754067		1	.Cover	
27	754078		1	.Nut	
28	754085		1	.Flange	
29	754052		1	.Seal ring	
30	754079		1	.Nut	
31	754064		1	.Ring	
32	754075		1	.Ring	
33	754071		1	.Ring	
34	754050		2	.Bearing	D
35	754080		1	.Ring	
36	754070		1	.Seat	
37	754073		1	.Screw	
38	754060		1	.Nut	
39	754049		1	.Plug	
40	754049		2	.Plug	
41	754068		1	.Screw	
42	754054		1	.Nut	
43	754043		12	.Washer	
44	754045		12	.Screw	
45	754055		1	.Plug	
46	754057		2	.Lock	
47	754057		2	.Lock	
48	754053		2	.Washer	
49	754047		2	.Screw	



Differential 699B248 - 705B287, Eaton

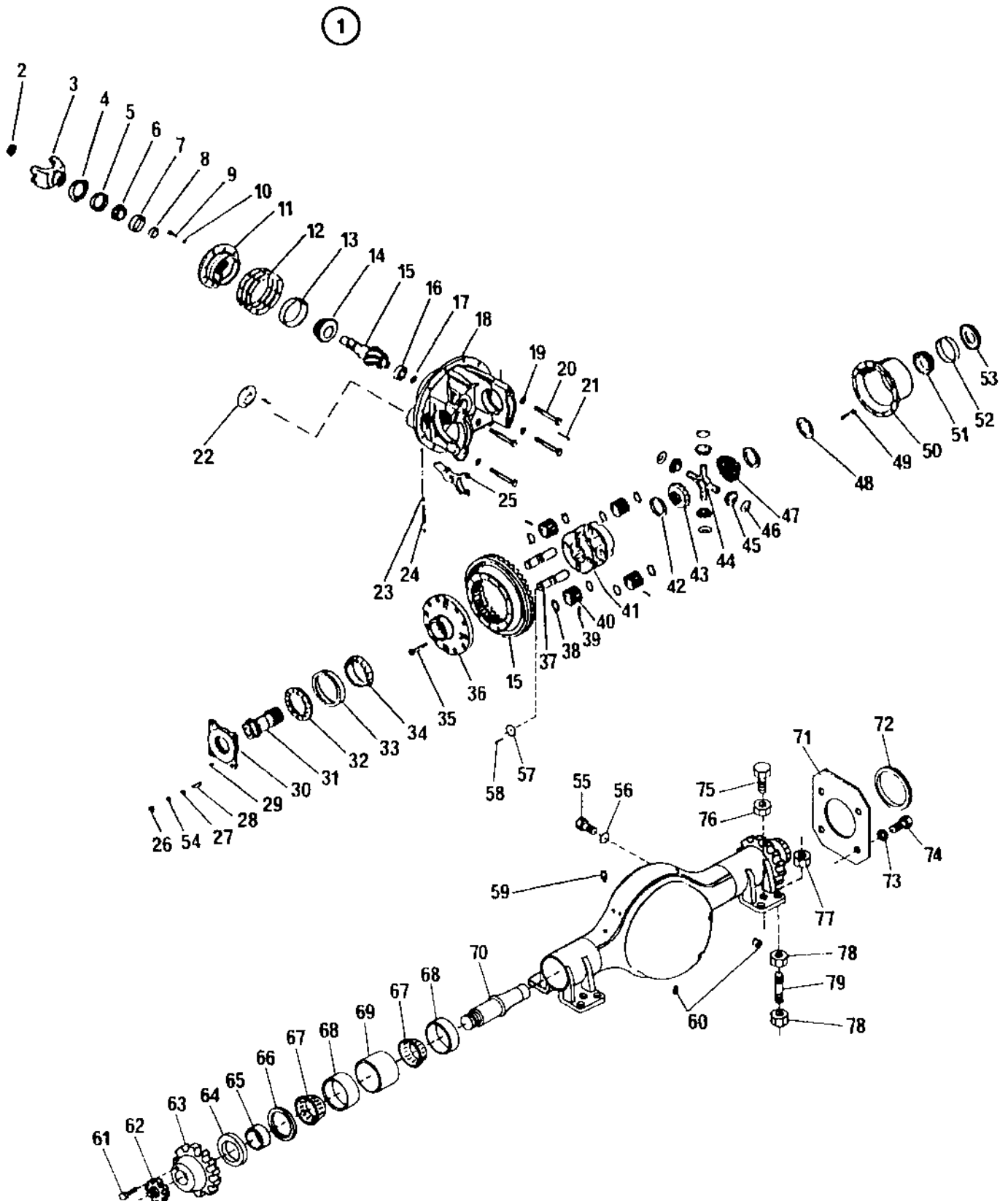
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	194593		1	Differential kit	
2	194497		4	.Screw	
3	194501	CN		.Locking wire	
4	194500		1	.Lock	
5	194502		2	.Screw	
6	194499		1	.Pin	
7	194498		1	.Lock	
8	194496		1	.Differential carrier	
9	194561		1	.Adjusting ring	
10	194574		1	.Bearing cup	
11	194563		1	.Bearing cone	
12	194566	A	1	.Differential carrier	
13	194576		16	.Nut	
	194576	B	16	.Nut	
14	194504		1	.Drive pinion and gear	
15	194573		16	.Screw	
16	194568		2	.Washer	
17	194569		2	.Planet pinion	
18	194572		1	.Differential cross	
	194531	CN		.Spacer 16,281	
19	194571		4	.Differential pinion	
20	194570		4	.Washer	
21	194567		1	.Differential carrier	
22	194564		4	.Screw, short	
	194565		8	.Screw, long	
23	194562		1	.Bearing cone	
24	194578		1	.Bearing cup	
25	194577		1	.Adjusting ring	
26	194503		1	.Bearing	
27	194505		2	.Bearing cone	
28	194506		1	.Spacer 15,82	
	194538	CN		.Spacer 16,38	
	194532	CN		.Spacer 16,294	
	194533	CN		.Spacer 16,307	
	194534	CN		.Spacer 16,320	
	194535	CN		.Spacer 16,332	
	194536	CN		.Spacer 16,345	
	194540	CN		.Spacer 16,43	
	194537	CN		.Spacer 16,36	
	194541	CN		.Spacer 16,46	
	194508	CN		.Spacer 15,89	
	194509	CN		.Spacer 15,90	
	194510	CN		.Spacer 15,93	
	194511	CN		.Spacer 15,95	
	194512	CN		.Spacer 15,98	
	194513	CN		.Spacer 16,00	
	194514	CN		.Spacer 16,03	
	194515	CN		.Spacer 16,05	
	194507	CN		.Spacer 15,85	
	194516	CN		.Spacer 16,08	
	194517	CN		.Spacer 16,10	
	194518	CN		.Spacer 16,116	
	194519	CN		.Spacer 16,129	
	194520	CN		.Spacer 16,142	
	194521	CN		.Spacer 16,154	
	194522	CN		.Spacer 16,167	
	194523	CN		.Spacer 16,180	
	194524	CN		.Spacer 16,193	
	194525	CN		.Spacer 16,205	

A) Left
B) Optional



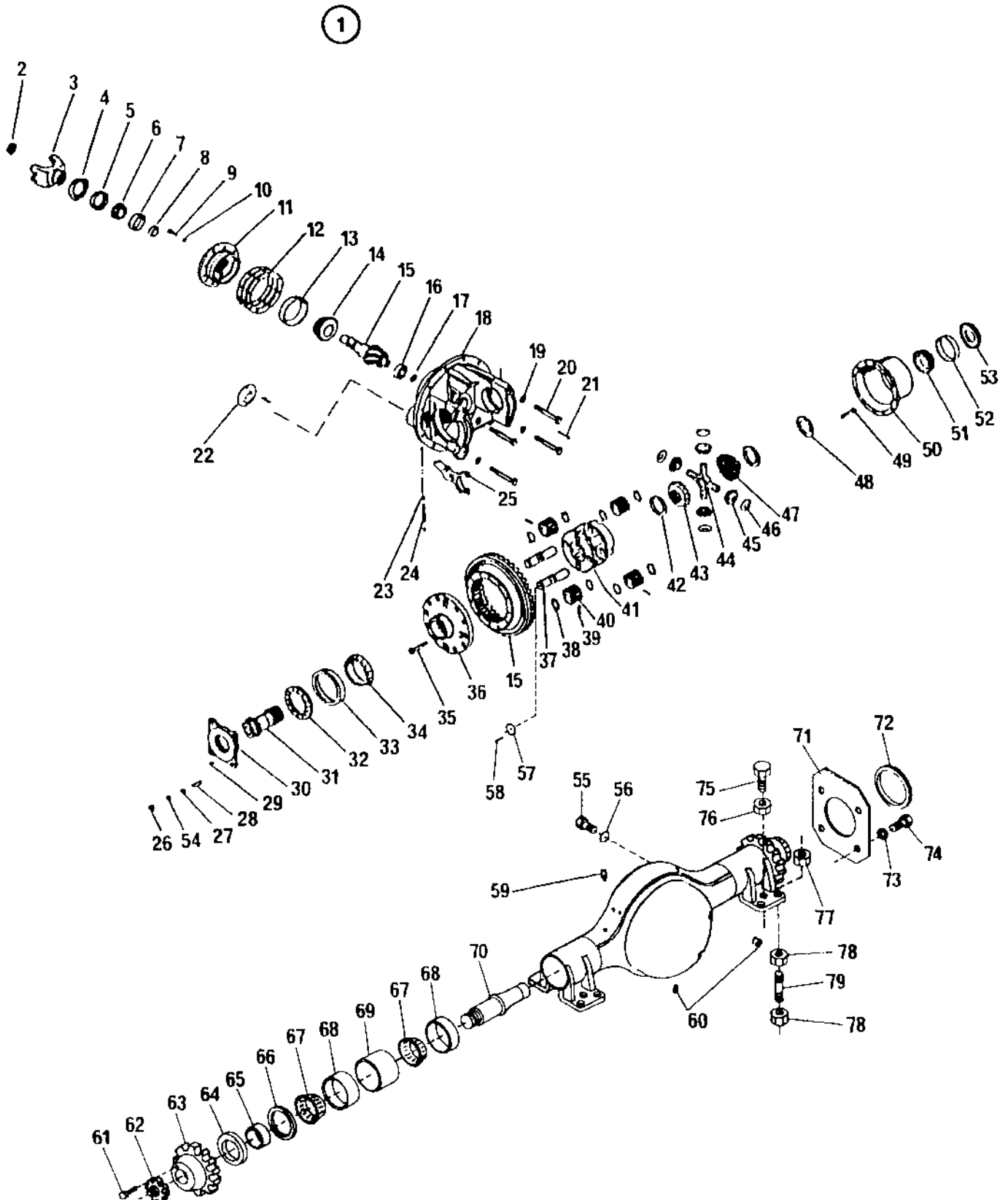
Differential 699B248 - 705B287, Eaton

Ref. No.	Part No.	Rem.	Qty	Description	Code
28	194526		CN	.Spacer 16,218	
	194527		CN	.Spacer 16,213	
	194528		CN	.Spacer 16,243	
	194529		CN	.Spacer 16,256	
	194530		CN	.Spacer 16,269	
29	194548		2	.Bearing cup	
30	194549		CN	.Shim 0,08	
	194550		CN	.Shim 0,13	
	194551		CN	.Shim 0,25	
	194552		CN	.Shim 0,51	
	194553		CN	.Shim 0,76	
31	194554		1	.Pinion housing	
32	194555		6	.Screw	
33	194556		1	.Seal ring	
34	194557	B	1	.Seal ring	
35	194559		1	.Washer	
36	194560		1	.Nut	
B)	Optional				



Differential, Rockwell 699B248 -

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	



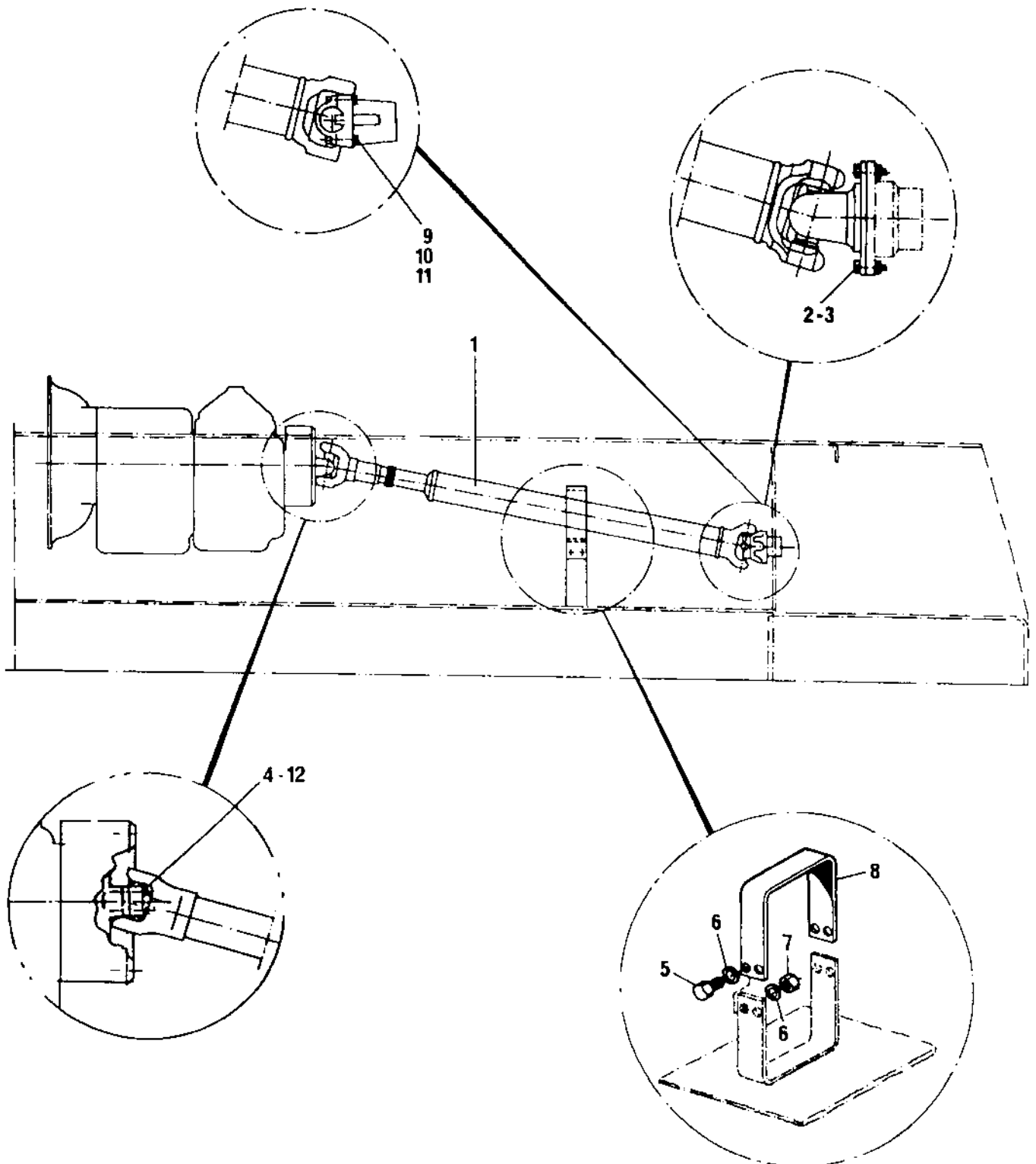
Differential, Rockwell 699B248 -

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

16322



Cardan shaft assembly

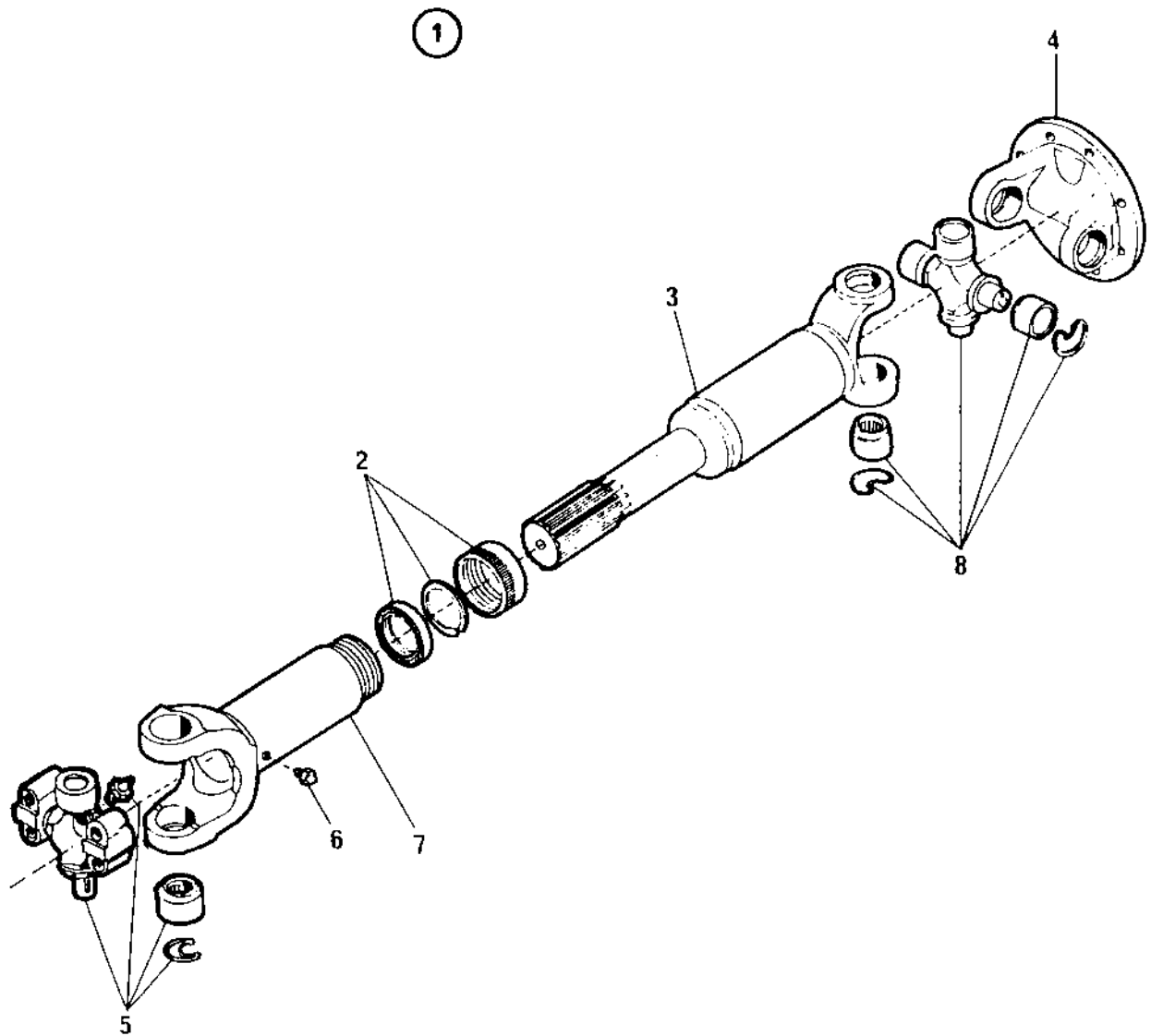
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191833	A	1	Cardan shaft Up to 705B287	
	195236	B	1	Cardan shaft From 705B288	
2	503025	A	8	Screw Up to 705B287	
3	586011	A	8	Lock nut 3/8 UNF Up to 705B287	
4	503027		4	Screw UNF 3/8-24x45	
5	500028		4	Screw M10-1,5x25 8,8	
6	600008		8	Washer	
7	570006		4	Nut M10	
8	268154		1	Protection	
9	195233	B	4	Screw From 705B288	
10	904358	B	4	Nut UNF From 705B288	
11	195152	B	2	Clamp From 705B288	
12	604006		8	Washer From 705B288	

A) With Mercedes Benz or Eaton differential

B) With Rockwell differential

Cardan shaft, Albarus - 705B287

16237

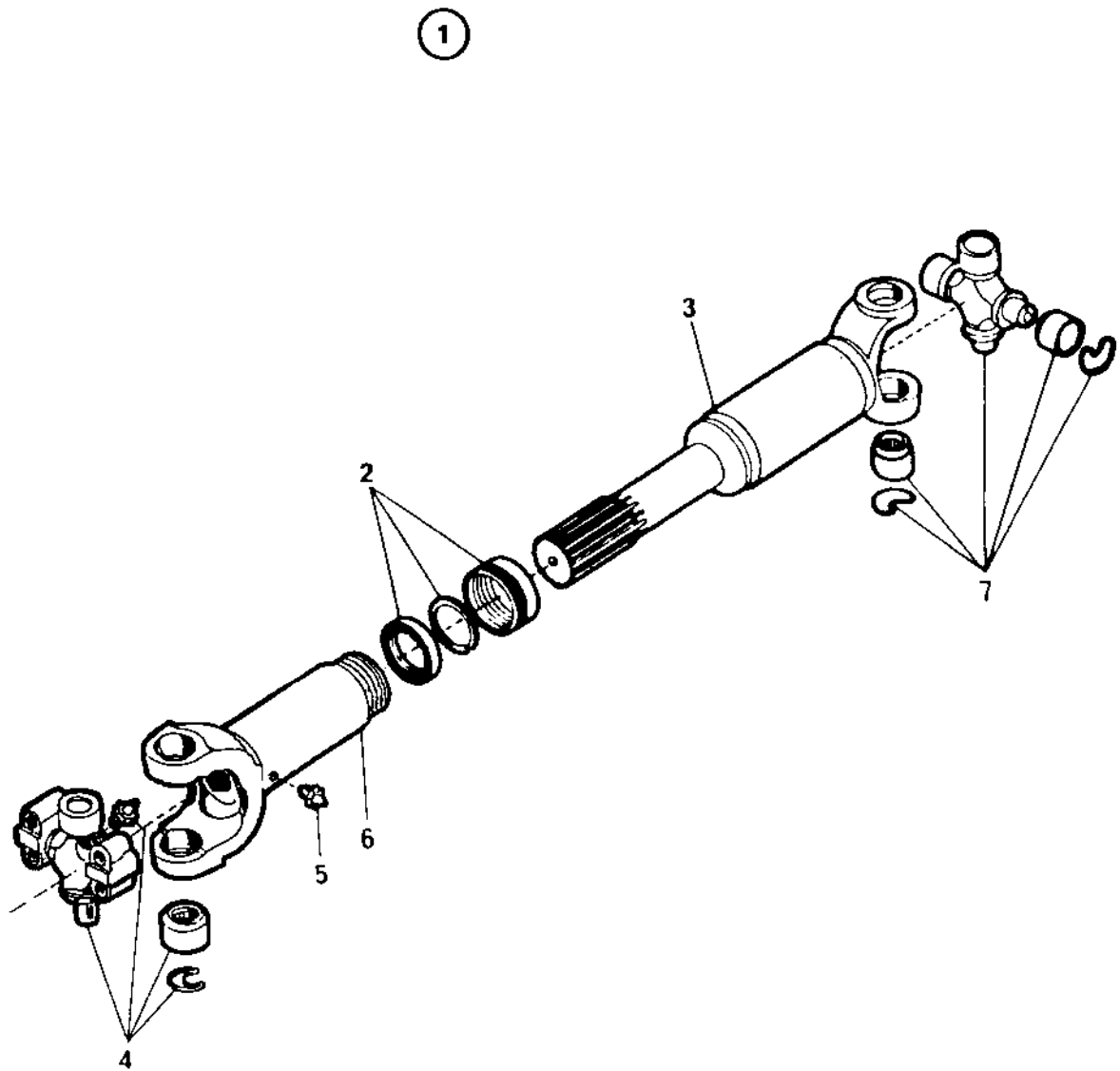


Cardan shaft, Albarus - 705B287

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191833		1	Cardan shaft	
2	195314		1	.Seal kit	
3			1	.Tube shaft	
4	912074		1	.Flange	
5	927988		1	.Universal joint cross	D
6	310028		1	.Grease nipple	D
7	195315		1	.Slip yoke	
8	920492		1	.Universal joint cross	

Cardan shaft, Albarus 705B288 -

16241

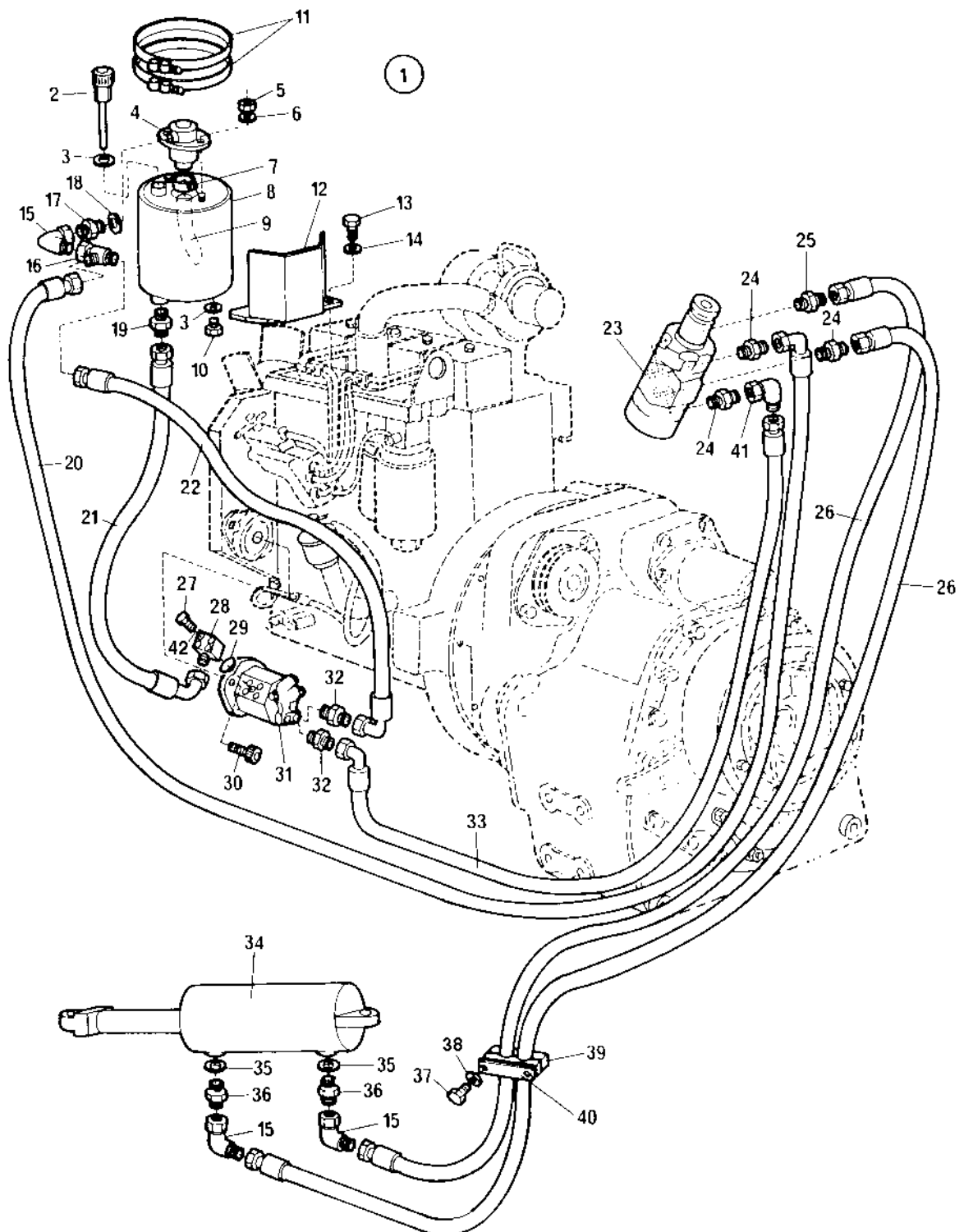


Cardan shaft, Albarus 705B288 -

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

Hydraulic system

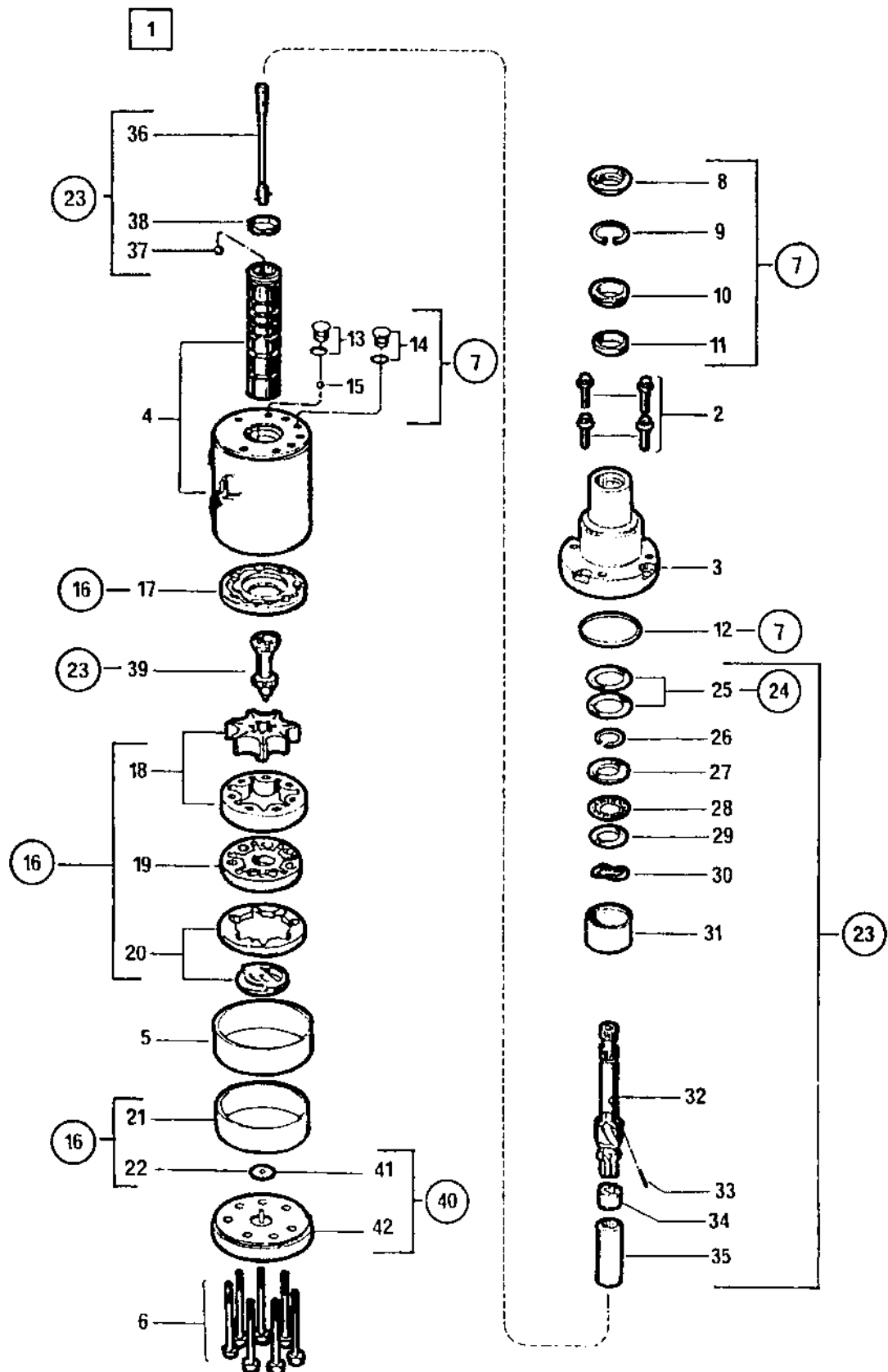
Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Steering system (Page 216)	
30				Steering cylinder (Page 222)	
40	254821			Steering cylinder (Page 224)	
50	376059			Steering cylinder (Page 226)	



Steering system

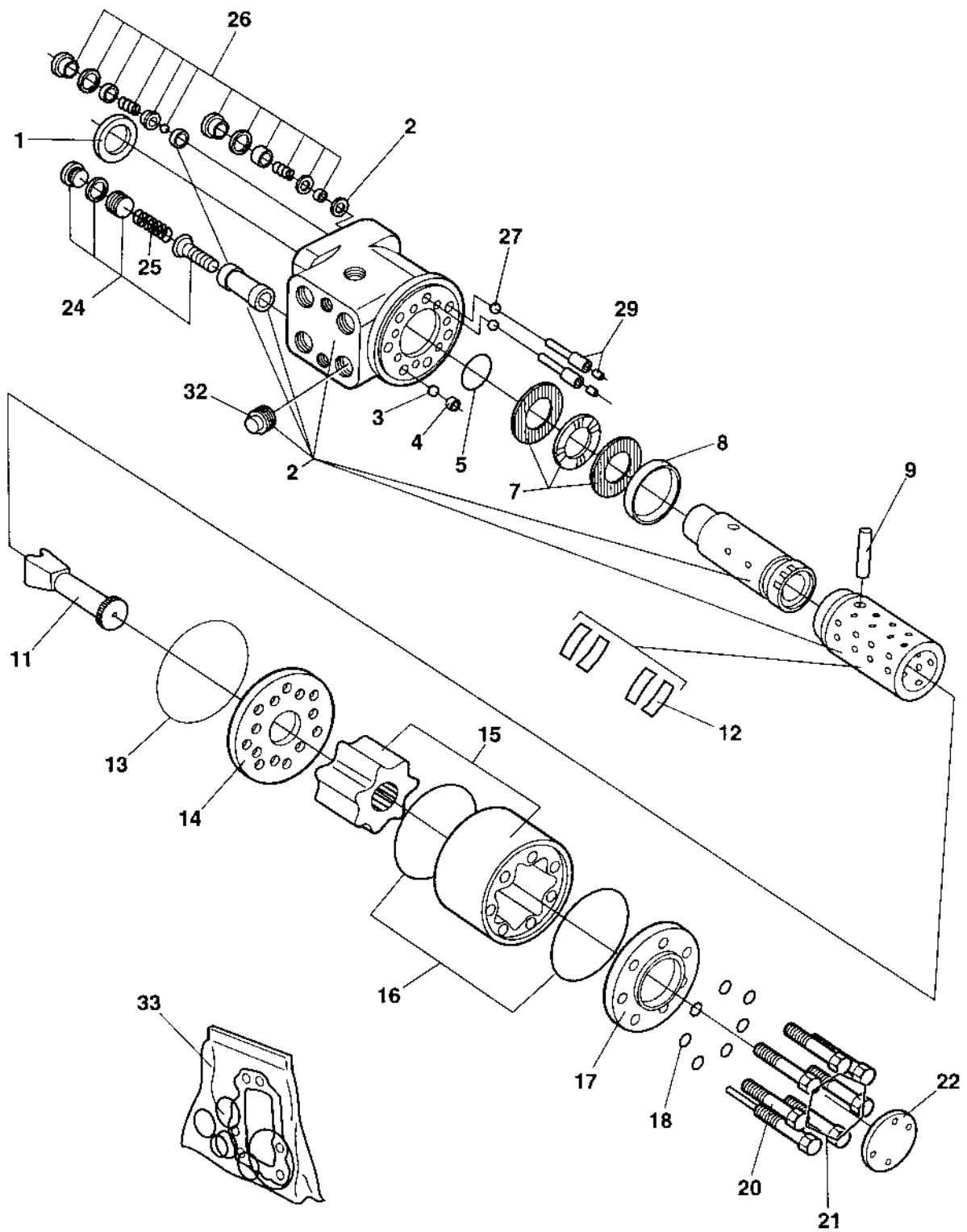
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	241846		1	Hydraulic oil tank, CPL	
2	499373		1	.Air cleaner	
3	330331		2	.Washer 18,2x23,9x1,5	
4	912081		1	.Filter, cpl	
	499474		1	..Filter element	
5	570005		2	.Nut M8	
6	604005		2	.Spring washer	
7	313006		1	.Hose clamp	
8	241848		1	.Hydraulic oil tank	
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		3	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	900411		1	Steering valve Up to 22620241 (Page 218)	
	375455		1	Steering valve From 22620242 (Page 220)	D
24	234843		3	Adapter Up to 22620241	
	334116		3	Straight o-ring connector From 22620242	
25	268844		1	Nipple Up to 22620241	
	334204		1	Reducer From 22620242	
	334137		1	Adapter From 22620242	
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 222)	
35		A	2	Seal ring	
36	334116	B,C	2	Straight o-ring connector	
37	500189		2	Screw	
38	904228		7	Washer 6,4x12x1,5	
39	192223		1	Hose fixing	
40	241431		1	Plate	

- 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



900411 Steering valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Steering valve, cpl	
2	910577		4	.Screw	
3	910569		1	.Cover, upper	
4	240904		1	.Housing	
5	240905		1	.Sleeve	
6	240906		7	.Screw	
7	928840		1	.Seal kit	
8	910586		1	..Dust filter	
9			1	..Snap ring	
10			1	.Spacer	
11			1	..Seal ring	
12			1	..Seal ring	
13			2	..Plug with o-ring	
14			1	..Plug with o-ring	
15			1	..Ball	
16	249547		1	.Manual pump kit	
17			1	..Spacer	
18			1	..Rotor set	
19			1	..Collector	
20	240100		1	..Collector ring	
21	240907		1	..Rotor sealing	
22			1	..Washer	
23	249548		1	.Shaft repair kit	
24	910599		1	..Shim kit	
25		A	2	..Shim	
	330534	B	1	..Shim	
	330534	C	1	..Shim	
	330534	D	2	..Shim	
26			1	..Snap ring	
27			1	..Washer	
28			1	..Bearing	
29			1	..Washer	
30			1	..Lock washer	
31			1	..Spacer	
32			1	..Shaft	
33			1	..Needle	
34			1	..Ring	
35			1	..Spacer	
36			1	..Bar	
37			1	..Ball	
38			1	..Spring	
39			1	..Column	
40	249549		1	.Cover kit	
41			1	..Washer	
42			1	..Cover	
A)	0,030				
B)	0,003				
C)	0,005				
D)	0,010				

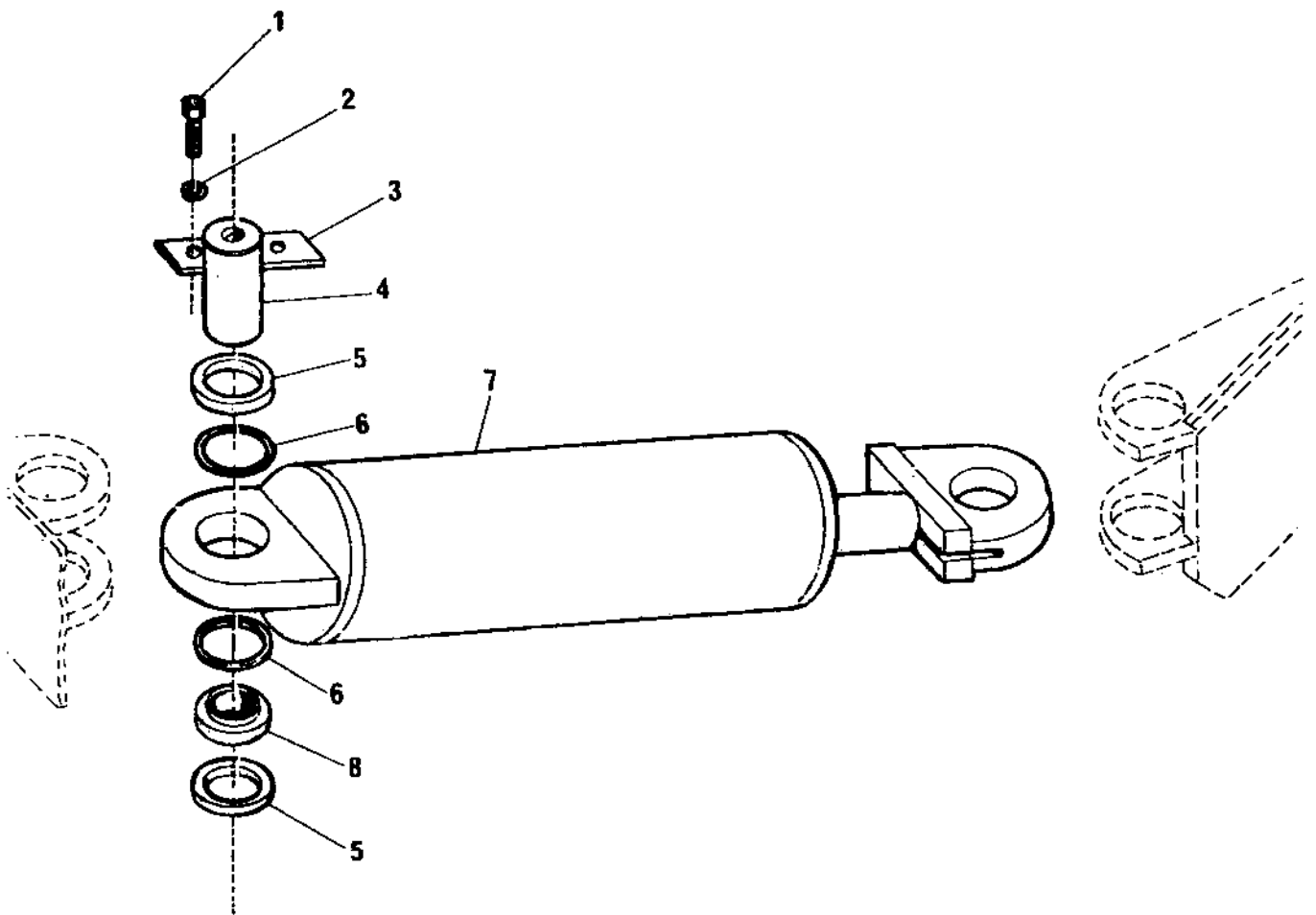


375455 Steering valve

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

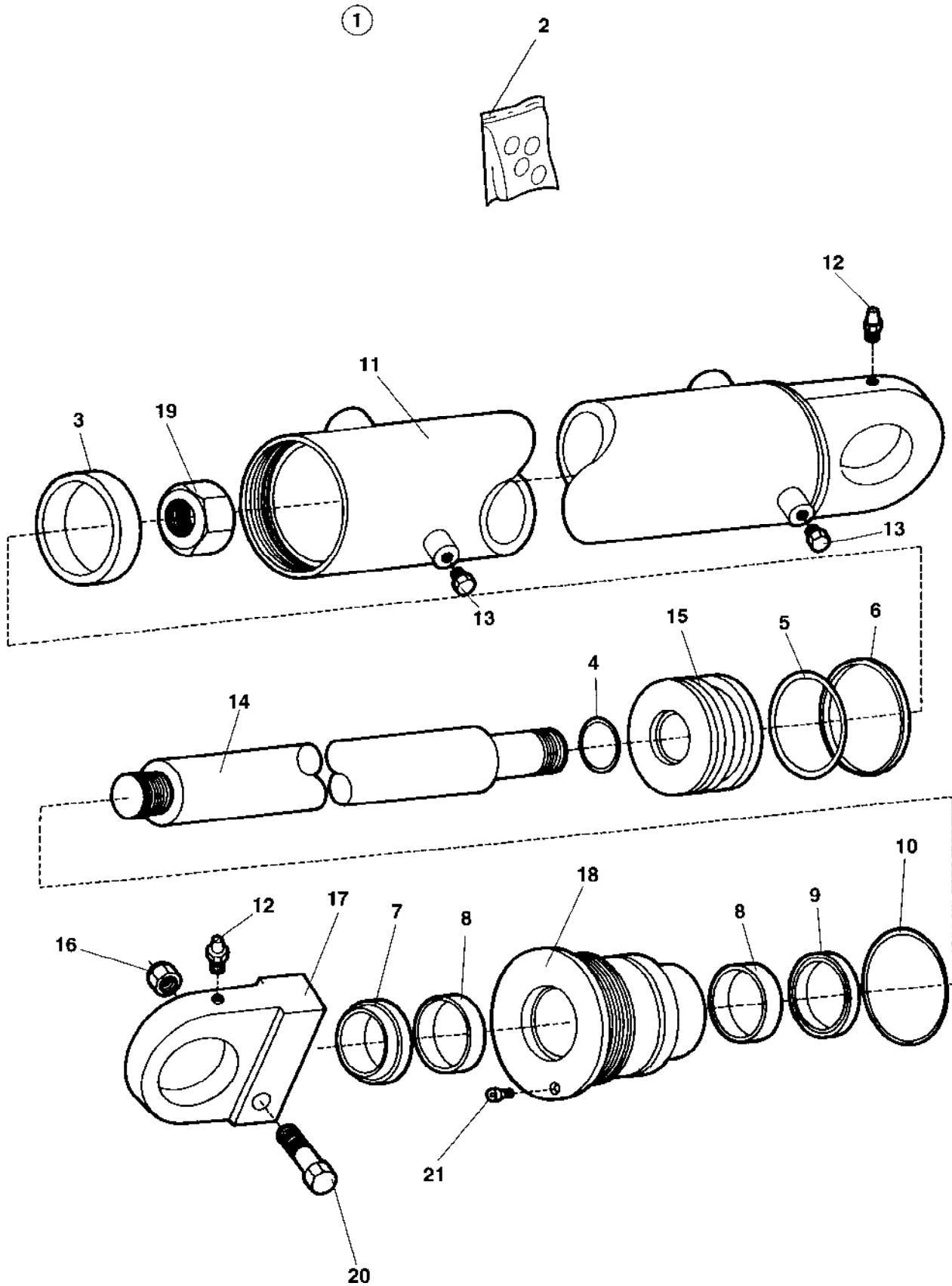
A) Included in kit, item 33

B) Not included in PN 375455



Steering cylinder

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	151021		4	Snap ring Up to 22620246	
	151021		1	Snap ring From 22620248 Up to 22620248	
	151021		1	Snap ring From 22620251 Up to 22620251	
	151021		1	Snap ring From 22620255 Up to 22620255	
7	254821		1	Steering cylinder Up to 22620246 (Page 224)	
	376059		1	Steering cylinder From 22620247 Up to 22620247 (Page 226)	
	254821		1	Steering cylinder From 22620248 Up to 22620248 (Page 224)	
	376059		1	Steering cylinder From 22620249 Up to 22620250 (Page 226)	
	254821		1	Steering cylinder From 22620251 Up to 22620251 (Page 224)	
	376059		1	Steering cylinder From 22620252 Up to 22620254 (Page 226)	
	254821		1	Steering cylinder From 22620255 Up to 22620255 (Page 224)	
	376059		1	Steering cylinder From 22620256 (Page 226)	
8	100054		2	Bearing Up to 22620246	
	100054		2	Bearing From 22620248 Up to 22620248	
	100054		2	Bearing From 22620251 Up to 22620251	
	100054		2	Bearing From 22620255 Up to 22620255	

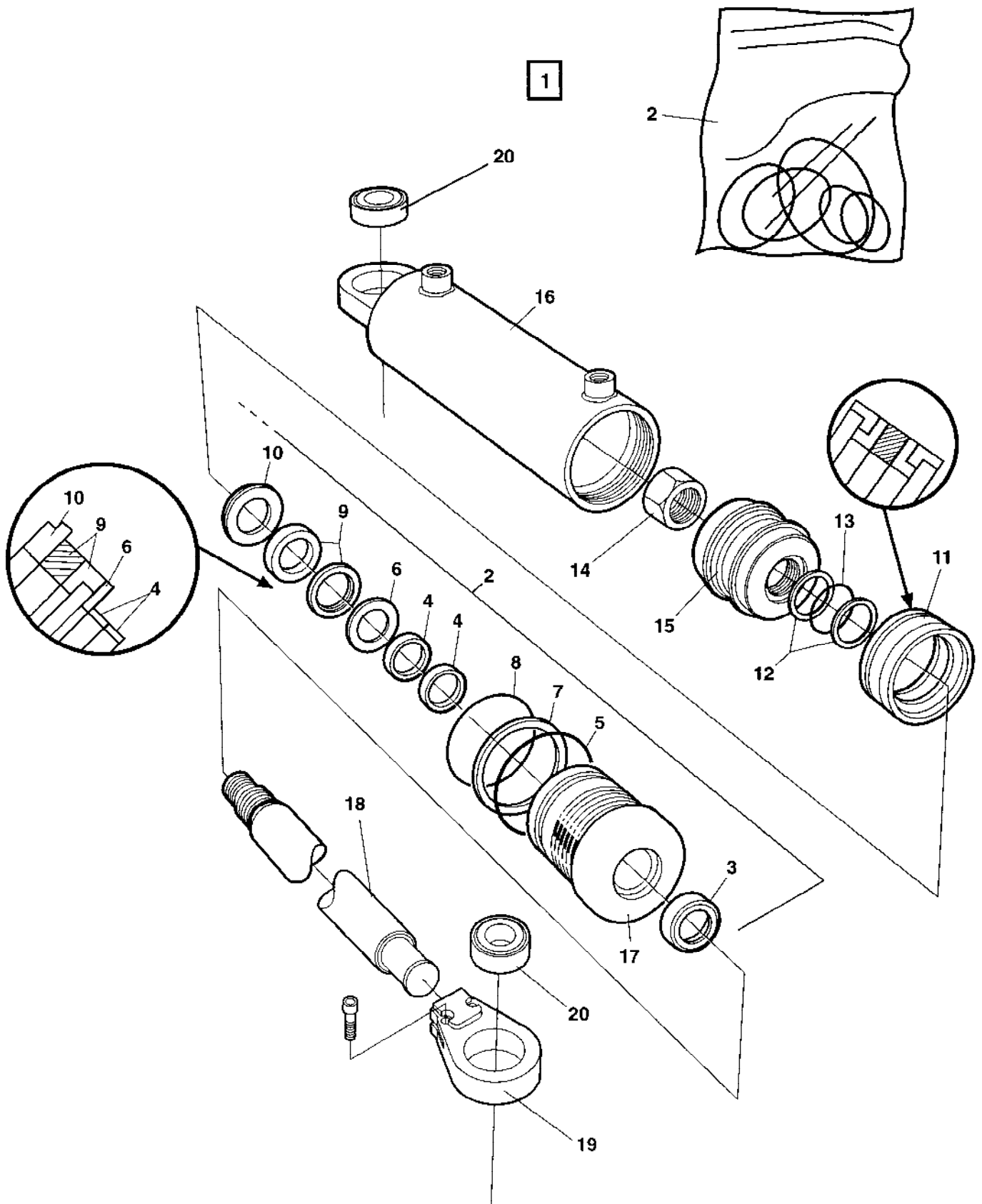


254821 Steering cylinder

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Steering cylinder, cpl	
2	194151		1	.Repair kit	
3	190730		1	..Guide ring	
4	160218		1	..O-ring	
5	190729		1	..O-ring	
6	190731		1	..Teflon ring	
7	922045		1	..Ring	
8	243623		2	..Guide ring	
9	813546		1	..O-ring	
10	243624		1	..Gasket	
11	262003		1	.Liner	
12	310001		2	.Grease nipple	D
13	232010		2	.Plug	
14	262009		1	.Shaft	
15	190722		1	.Piston	
16	586006		1	.Nut	
17	254822		1	.Bracket	
18	243622		1	.Rod guide	
19	243197		1	.Lock nut	
20	502269		1	.Screw	
21	517052		1	.Screw	

376059 Steering cylinder

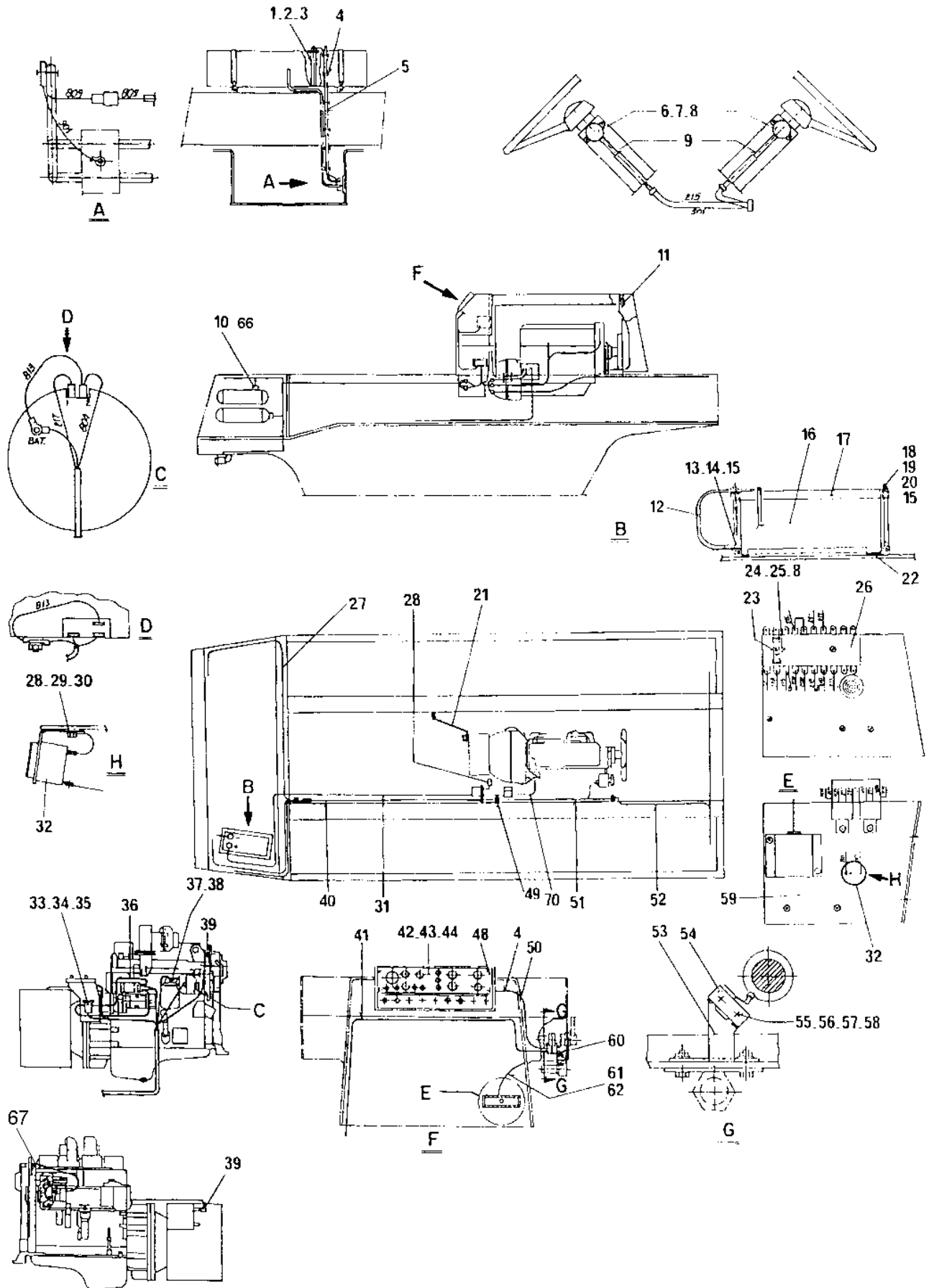
16634



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

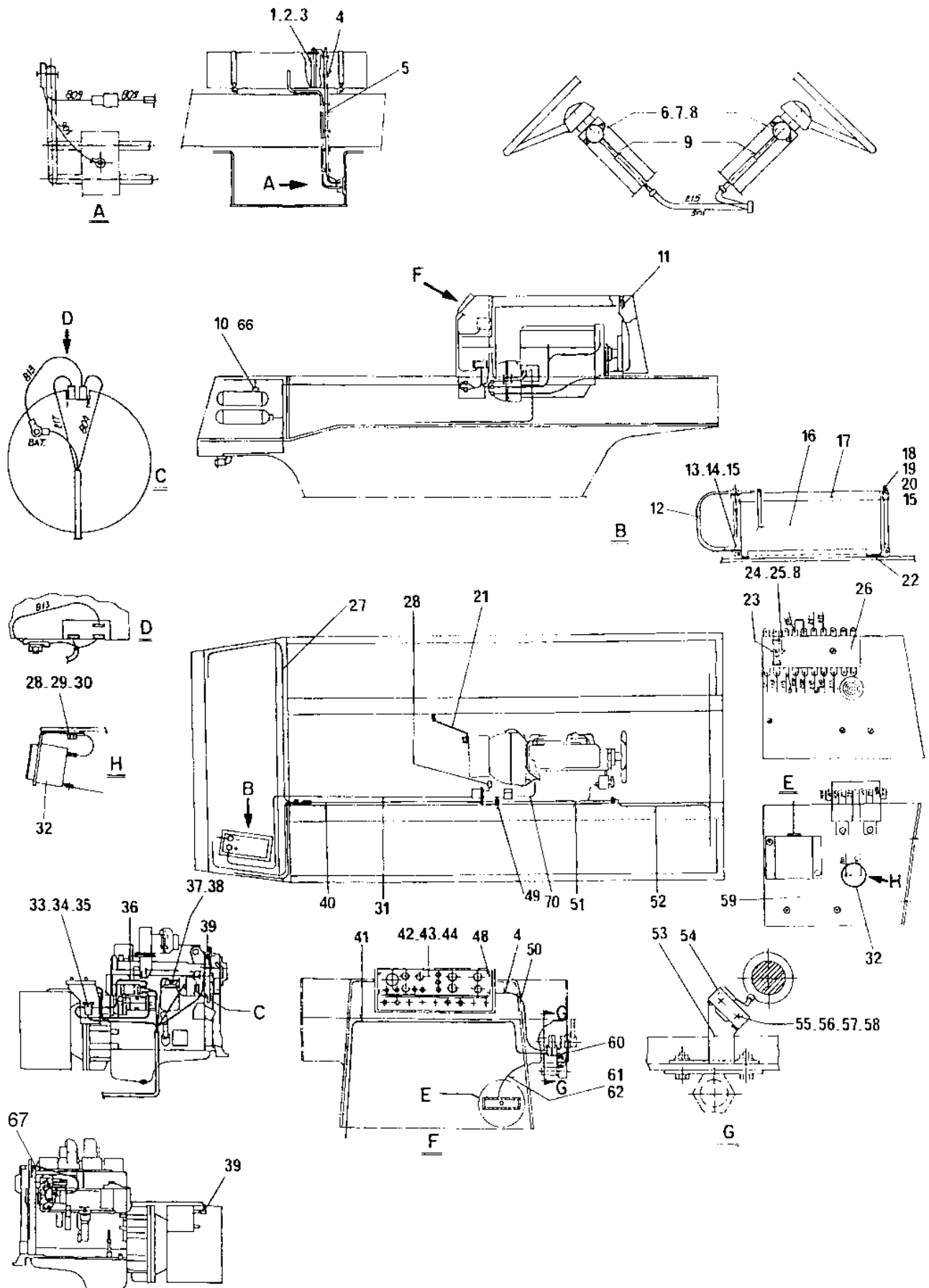
Ref. No.	Part No.	Rem.	Qty	Description	Code
20				Electrical system - 705B272 (Page 230)	
30				Electrical system 705B273 - (Page 236)	
40				Lights (Page 242)	
50				Instrument board (Page 244)	
60				Electrical equipment (Page 246)	



Electrical system - 705B272

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	192032		1	Fuel sender	
2	500006		5	Screw M5x16	
3	615041		5	Washer 5,3x11	
4	313068		14	Cable ties L=92 mm	
5	192308		1	Cable harness	
6	930138		2	Push button	
7	541525		4	Screw	
8	904281		10	Washer 5,3x10x1	
9	192312		1	Cable harness	
10	415350	A	2	Pressure gauge Up to 22620251	
	904600		2	Pressure gauge From 22620252	
11	347241	B	1	Horn	C
		C	1	Horn assy (Page 234)	
12	258870		1	Battery cable (-)	
13	500048		1	Screw M10-1,5x20 8,8	
14	570006		1	Nut M10	
15	904230		3	Washer 10,5x22x2	
16	927972		1	Battery	C
17	343369		1	Battery frame	
18	250070		2	Fixing screw	
19	571003		2	Nut UNC 3/8 - 16	
20	604006		2	Washer	
21	265215		1	Cable	
22	259933		1	Shim	
23	813412		7	Fuse 10A	A
24	533032		4	Screw	
25	570003		4	Nut M5	
26	240759		1	Fuse box	
27	192315		1	Cable harness	
28	500020		2	Screw M8-1,25x22 8,8	
29	570005		1	Nut M8	
30	604005		2	Spring washer	
31	240212		1	Support	
32	928661		2	Warning buzzer	
33	975065		1	Starter relay	
34	500013		2	Screw M6-1x16 8,8	
35	604004		2	Washer	
36	192310		1	Cable harness	
37	930139		1	Oil pressure switch Up to 22620251	D
38	256485		1	Adapter Up to 22620251	
39	258307		2	Temperature sensor	D
40	192305		1	Cable harness	
41	192308		1	Cable harness	
42	242514		1	Resistance cable	
43	192313		1	Cable harness	
44	345708		1	Electric cable	
45	255485		1	Battery cable	
46	921102		3	Clamp	
47	927026		3	Screw	
48	240519		4	Screw	
49	313041		6	Cable ties L=186 mm	
50	192303		1	Cable harness	
51	192304		1	Cable harness	
52	192314		1	Cable harness	
53	192149		1	Support	
54	930046		2	Micro switch	D
55	923032		2	Screw	

- A) Interchangeable by 904600 together with 904599
 B) Replaced by 382755 horn assy
 C) New placement

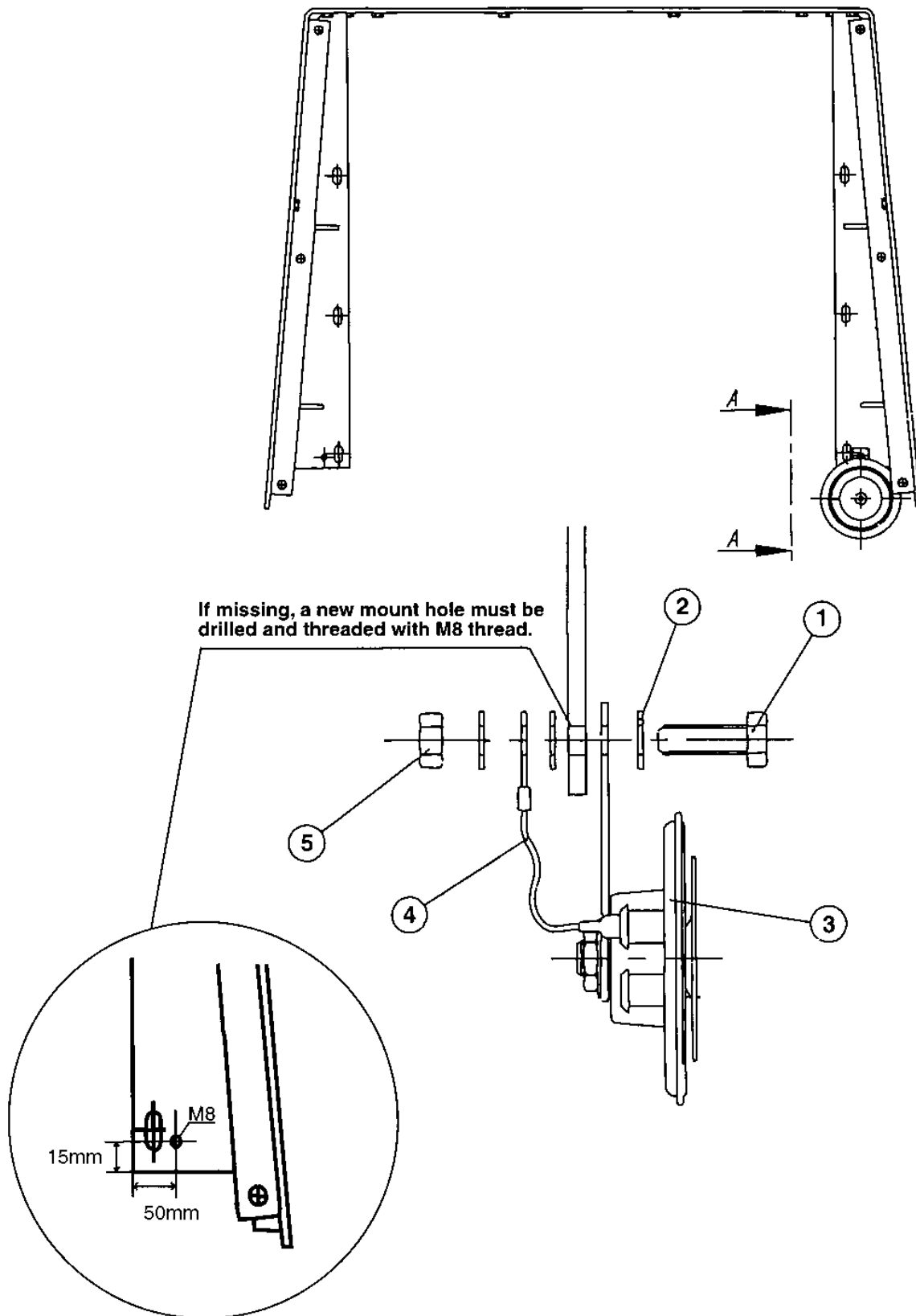


Electrical system - 705B272

Ref. No.	Part No.	Rem.	Qty	Description	Code
56	904697		2	Washer 3,2x6x0,5	
57	604016		2	Washer	
58	570001		2	Nut	
59	387733		1	Bracket	
60	192311		1	Cable harness	
61	192306		1	Cable harness	
62	192307		1	Cable harness	
63	901350		1	Alternator	C
64	901448		1	Starter	C
65	192138		1	Cable harness kit	
66	904599		2	Connection cable From 22620252	
67	921099		1	Clamp	
70	192895		1	Battery cable	

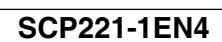
Horn assy

17211



Horn assy

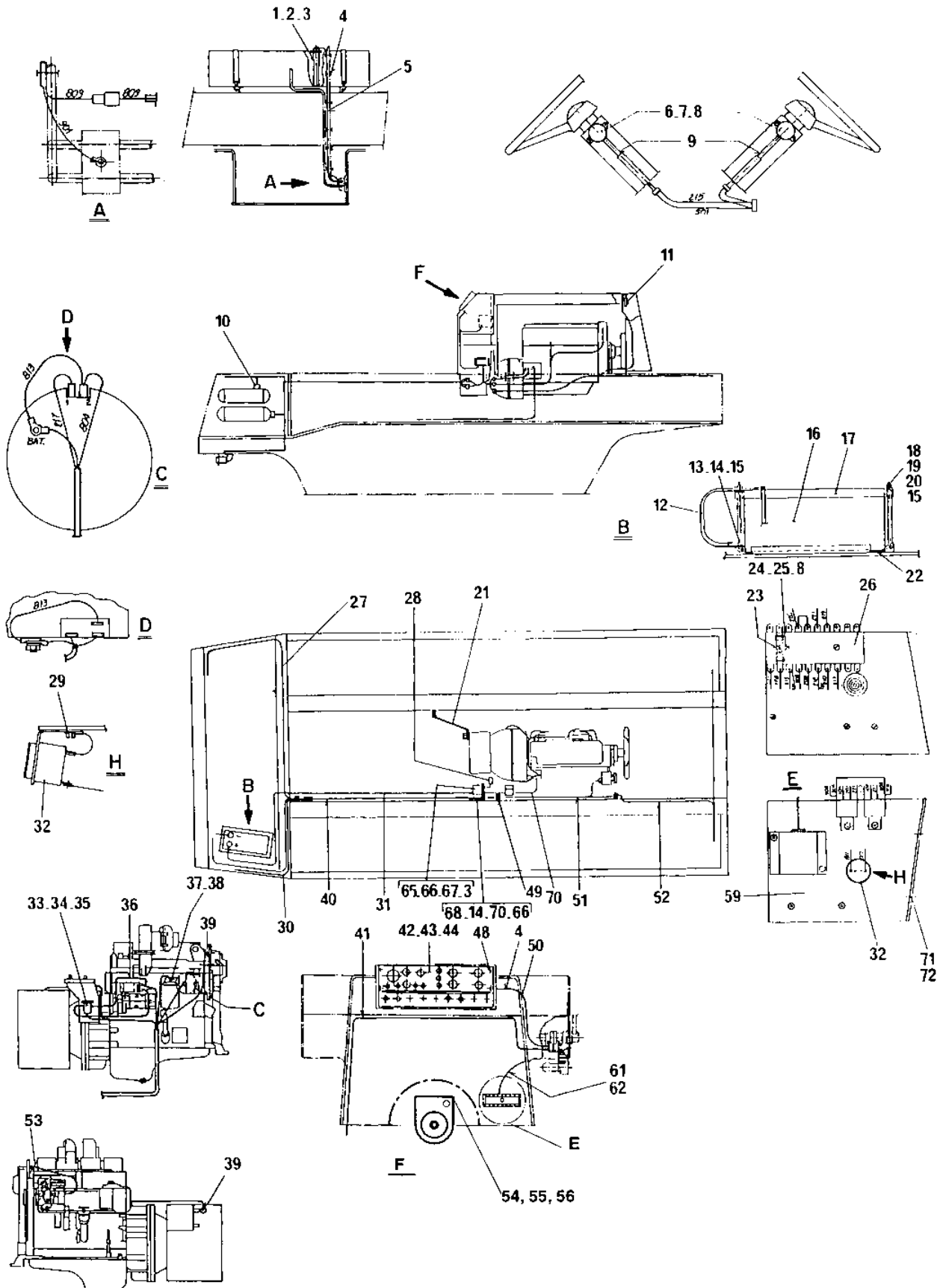
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	500021		1	Screw M8-1,25x25 8,8	D
2	904229		3	Washer 8,4x16x1,5	
3	999027		1	Horn	
4	904912		1	Connection cable	
5	586003		1	Lock nut M8	



Electrical system 705B273 -

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	192032		1	Fuel sender	
2	500006		5	Screw M5x16	
3	904281		5	Washer 5,3x10x1	
4	313068		14	Cable ties L=92 mm	
5	192309		1	Cable harness	
6	930138		2	Push button	
7	541525		4	Screw	
8	904281		10	Washer 5,3x10x1	
9	192312		1	Cable harness	
10	904600		2	Pressure gauge	
11	347241	A	1	Horn	C
		B	1	Horn assy (Page 234)	
12	258870		1	Battery cable (-)	
13	500048		1	Screw M10-1,5x20 8,8	
14	570006		2	Nut M10	
15	904230		3	Washer 10,5x22x2	
16	470020		1	Battery	
17	343369		1	Battery frame	
18	250070		2	Fixing screw	
19	571003		2	Nut UNC 3/8 - 16	
20	904637		2	Washer 10x18x2	
21	265215		1	Cable	
22	259933		1	Shim	
23	813412		8	Fuse 10A	A
24	533032		4	Screw	
25	570003		4	Nut M5	
26	240759		1	Fuse box	
27	195045		1	Cable harness	
28	249377		1	Protection cover	
29	533001		1	Screw	
30	193930	C	1	Cable harness Up to 22620334	
	383963	D	1	Cable harness From 22620335	
31	192894		1	Battery cable	
32	928661		2	Warning buzzer	
33	975065		1	Starter relay	
34	500013		2	Screw M6-1x16 8,8	
35	604004		2	Washer	
36	192310		1	Cable harness	
37	930139		1	Oil pressure switch	D
38	256485		1	Adapter	
39	258307		2	Temperature sensor	D
40	194333		1	Cable harness	
41	192308		1	Cable harness	
42	242514		1	Resistance cable	
43	192313		1	Cable harness	
44	344389		1	Cable	
45	192894		1	Battery cable	
46	313041		1	Cable ties L=186 mm	
47	927026		1	Screw	
48	240519		4	Screw	
49	313041		6	Cable ties L=186 mm	
50	192303		1	Cable harness	
51	192304		1	Cable harness	
52	192314		1	Cable harness	

- A) Replaced by 382755 horn assy
 B) New placement viewed in the mount instruction of horn assy
 C) Old version with AMP connection for water pump
 D) New version with Cannon connection for water pump

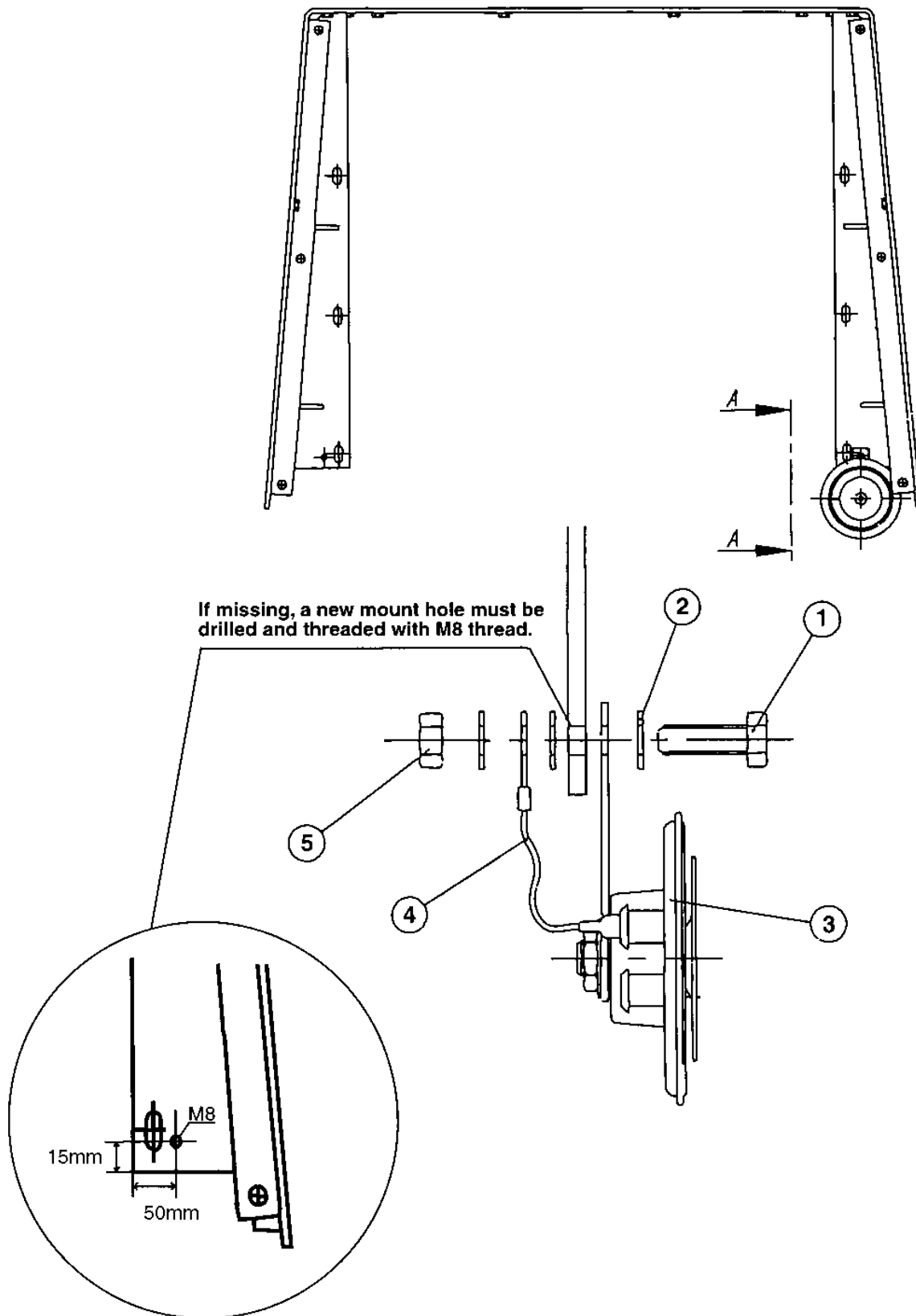


Electrical system 705B273 -

Ref. No.	Part No.	Rem.	Qty	Description	Code
53	921099		1	Clamp	
54	193045		1	Sensor	
55	193053		2	Screw	
56	904230		4	Washer 10,5x22x2	
59	387733		1	Bracket	
61	192306		1	Cable harness	
62	192307		1	Cable harness	
63	901350		1	Alternator	C
64	901448		1	Starter	C
65	930150		1	Battery switch	D
	928021		1	.Key	D
66	533027		2	Screw	
67	570003		2	Nut M5	
68	374954		1	Bracket	
69	500028		2	Screw M10-1,5x25 8,8	
70	192895		1	Battery cable	
71	500019		2	Screw M8-1,25x16 8,8	
72	904229		2	Washer 8,4x16x1,5	

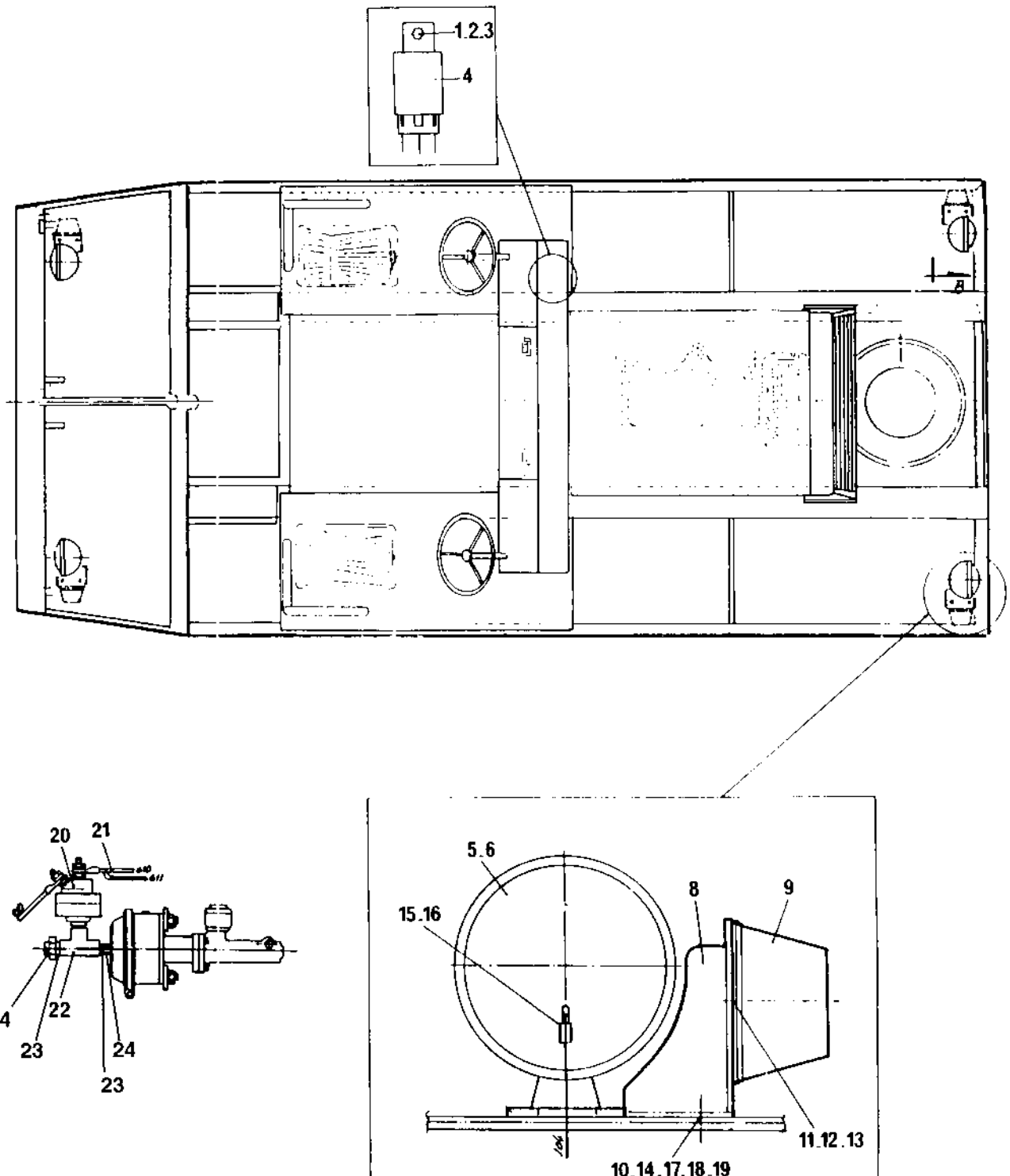
Horn assy

17211



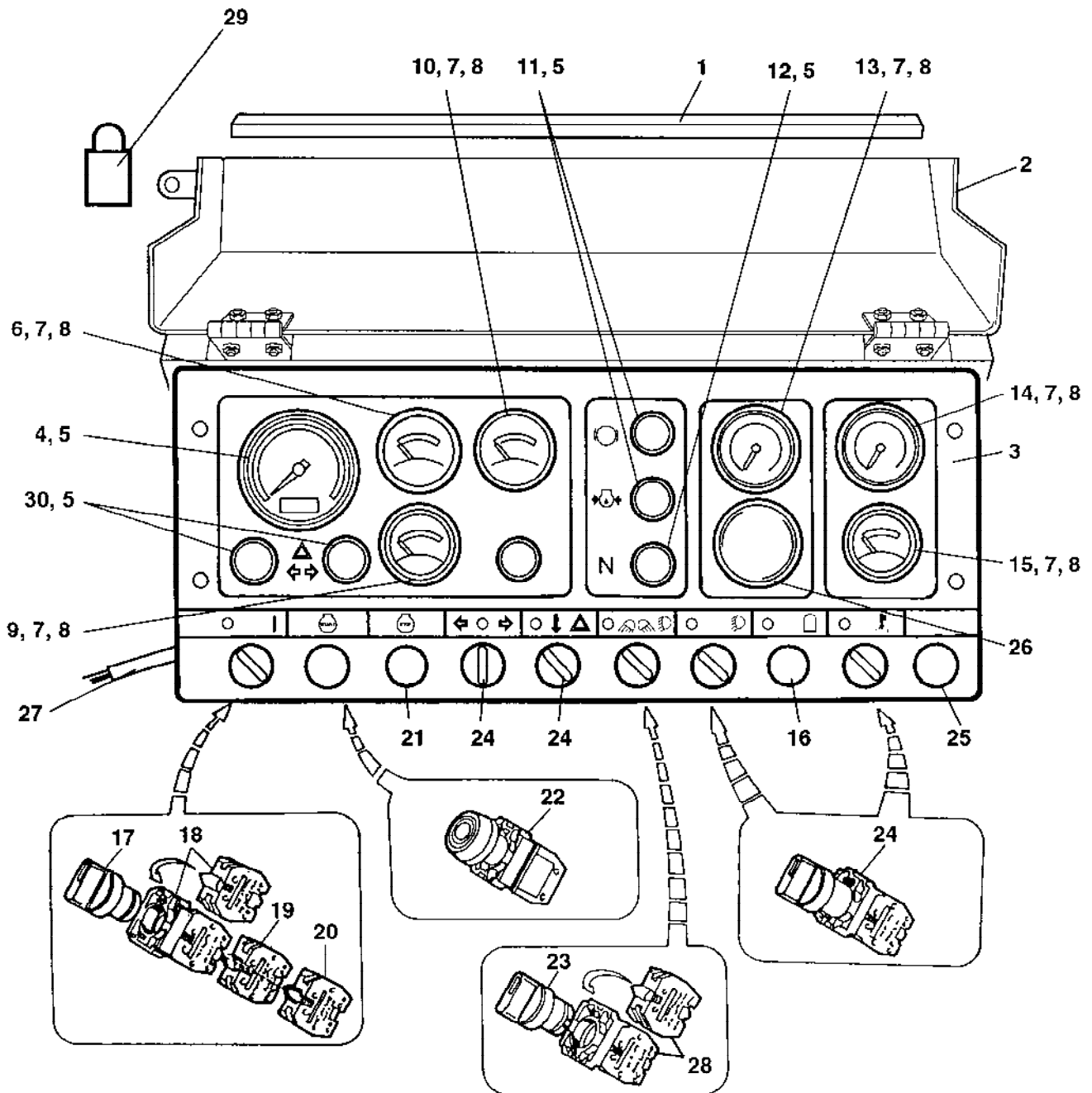
Horn assy

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	500021		1	Screw M8-1,25x25 8,8	D
2	904229		3	Washer 8,4x16x1,5	
3	999027		1	Horn	
4	904912		1	Connection cable	
5	586003		1	Lock nut M8	



Lights

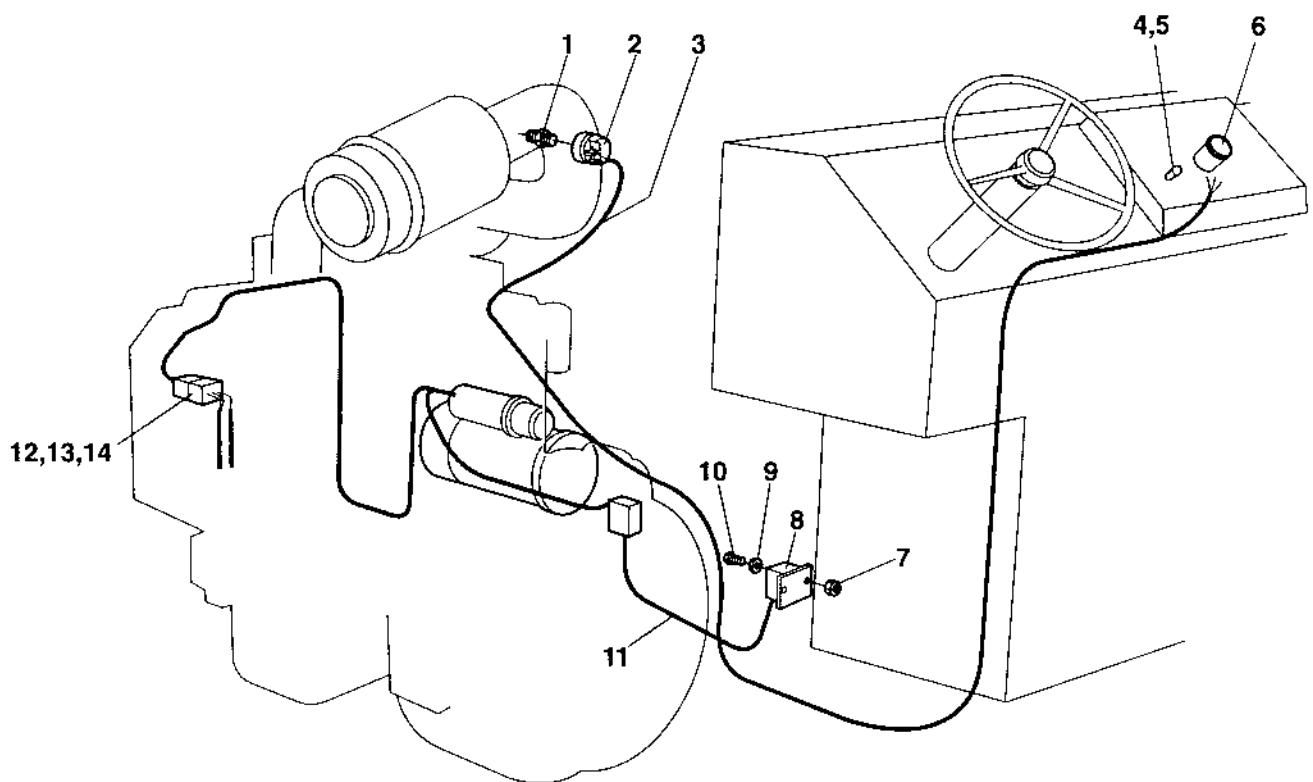
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	500004		1	Screw M5 0,8x12 8,8	
2	904281		1	Washer 5,3x10x1	
3	570003		1	Nut M5	
4	975068		1	Relay	D
5	985066		4	Head light	D
6	985087		4	Lamp	B
8	191541		4	Bracket	
9	900223		4	Lantern	D
10	500020		8	Screw M8-1,25x22 8,8	
11	533025		8	Screw M5x12	
12	904281		8	Washer 5,3x10x1	
13	247638		4	Lamp	B
14	570005		4	Nut M8	
15	960273		2	Terminal	
16	901766		1	Connector 2-POL	D
17	904229		8	Washer 8,4x16x1,5	
18	615043		8	Washer 8,4x18x2	
19	570003		8	Nut M5	
20	248271		1	Switch brake light	
21	192308		1	Cable harness	
22	904571		1	Connection-T	
23	904577		2	Connector	
24	902131		2	Adapter	



Instrument board

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	202028	A	1	Edge trim	
2	240410		1	Cover	
3	191766		1	Instrument board	
4	266625		1	Electric tachometer	
5	985012		6	Bulb	D
6	248035		1	Fuel gauge	
7	747583		7	Bulb	
8	927025		7	Socket	
9	265232		1	Water temperature gauge	D
10	265244		1	Volt meter	
11	985146		3	Pilot lamp cpl Red	D
12	932059		1	Pilot lamp cpl Yellow	
13	266221		2	Manometer Up to 705B272	D
	266221		1	Manometer From 705B273	D
14	265909		1	Manometer	
15	265231		1	Oil temperature gauge	
16	911456		5	Hole plug	
17	930192		1	Switch	D
18	930195		1	Contact block	
19	930163		1	Contact piece	D
21	791157		1	Plug unthreaded	
22	928928		1	Push button	D
23	932058		1	Switch	D
24	930151		2	Switch	D
25	928661		1	Warning buzzer	
26	192135		1	Plug Up to 22620229	
	195935		1	Double pressure gauge From 22620230	
27	192303		1	Cable harness	
28	930182		1	Contact block	D
29	358881		1	Pad lock	
30	985145		2	Pilot lamp cpl Green	

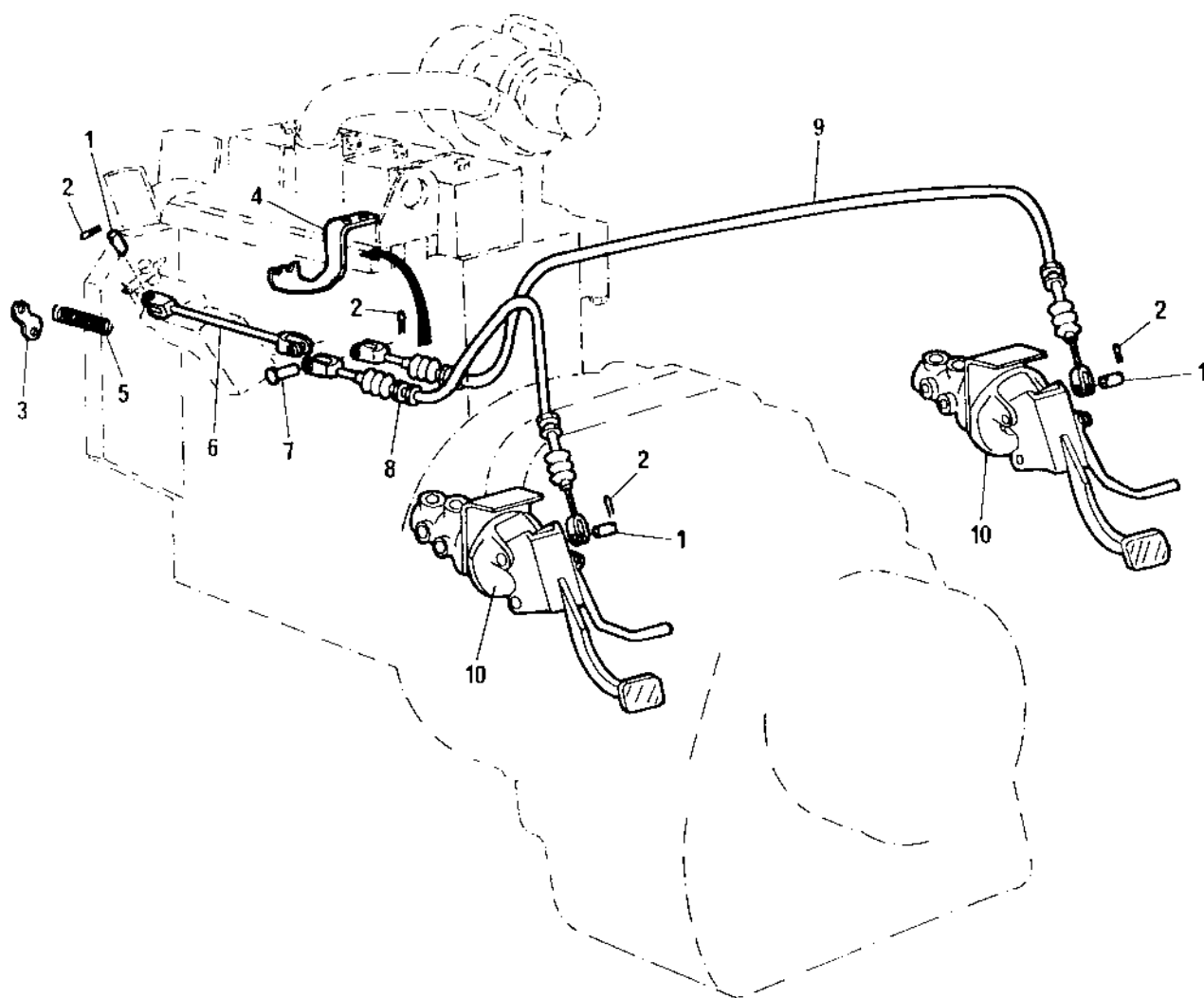
A) L=585 mm



Ref. No.	Part No.	Rem.	Qty	Description	Code
1	375113		1	Nipple	
2	929023		1	Indicator	D
3	374961		1	Cable harness	
4	985012		1	Bulb	D
5	985146		1	Pilot lamp cpl Red	D
6			1	Volt meter See Instrument board assembly	D
7	570004		2	Nut M6	
8	904448		1	Relay	D
9	904228		2	Washer 6,4x12x1,5	
10	500040		2	Screw M6-1x20 8,8	
11	374960		1	Cable harness	
12	903307		1	Connector	
13	923302		1	Connector, socket	
14	929911		1	Sealing	D

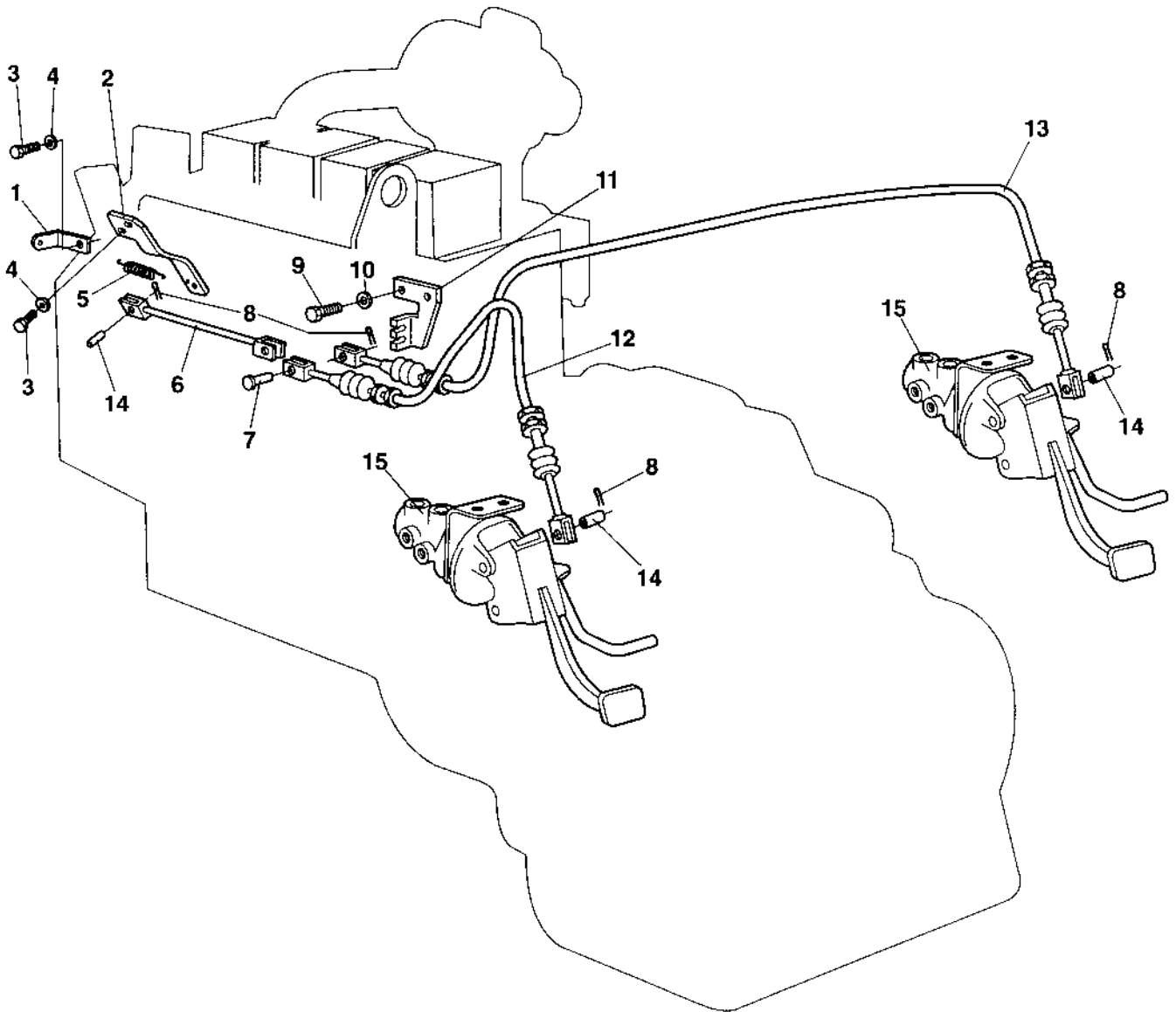
Drivers platform

Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Throttle controls Up to 22620242 (Page 250)	
15				Throttle controls From 22620243 (Page 252)	
20				Forward and reverse control, brake Up to 22620244 (Page 254)	
25				Forward and reverse control, brake From 22620245 (Page 258)	
30				Pedal and brake valve Up to 22620229 (Page 262)	
40				Pedal and brake valve From 22620230 (Page 266)	
45				Operator's manual box (Page 270)	
50				Steering assembly Up to 22620241 (Page 272)	
60				Steering assembly From 22620242 (Page 276)	
80				Seat assembly Without armrests (Page 280)	
85				Seat assembly With armrests (Page 282)	
90				Safety belt, Only with rops Option (Page 284)	
100				Seat cover (Page 286)	



Throttle controls

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	250137		3	Trunnion	
2	630003		7	Cotter pin	
3	192107		1	Bracket	
4	192146		1	Bracket	
5	345664		1	Spring	
6	192144		1	Control cable	D
7	192127		1	Trunnion	
8	192112		1	Control cable	
9	192111		1	Control cable	
10			2	Pedal and brake valve (Page 262)	

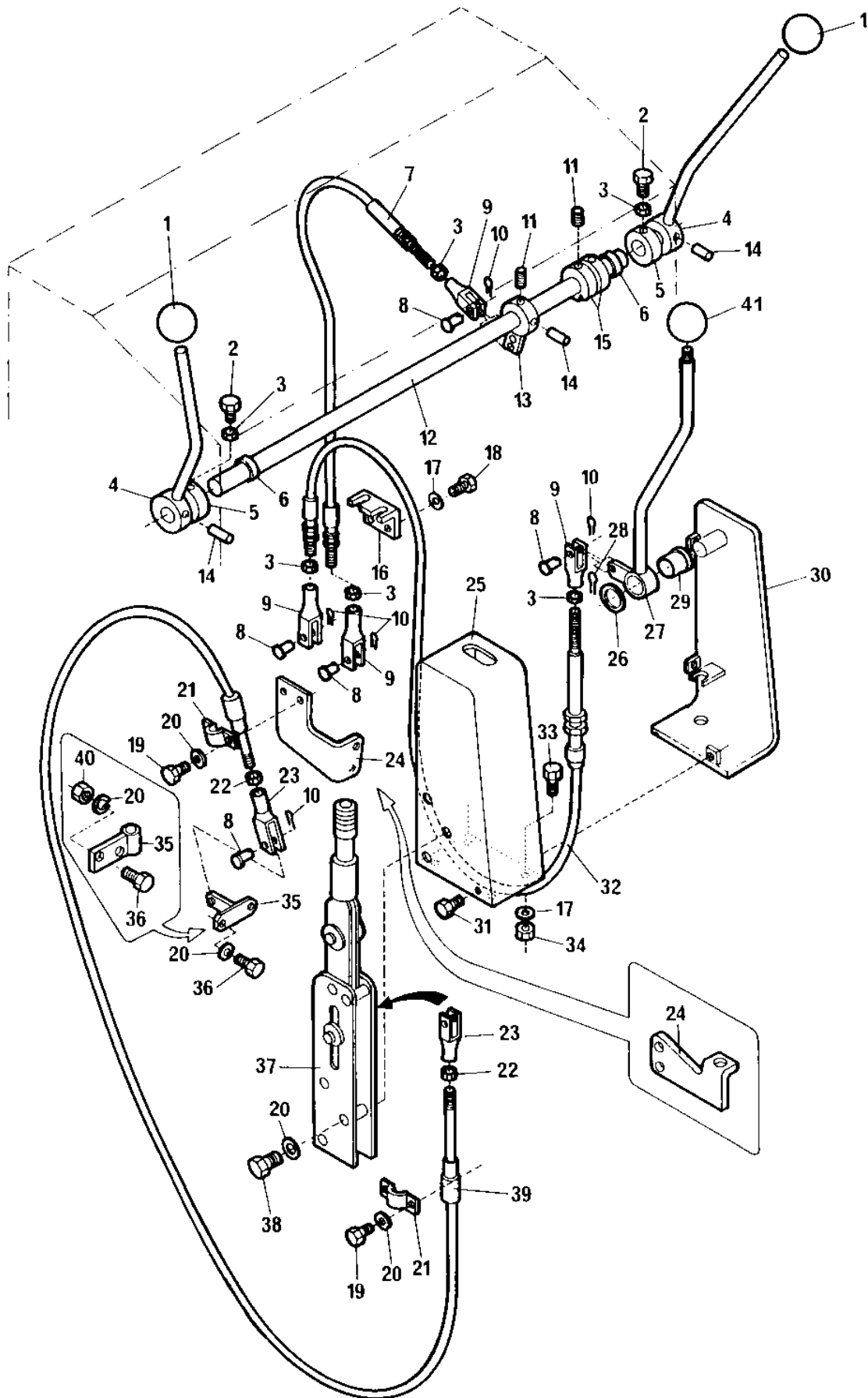


Throttle controls

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	374903		1	Bracket	
2	374411		1	Control lever	
3	500012		2	Screw M6x12	
4	904228		2	Washer 6,4x12x1,5	
5	904796		1	Spring	
6	192144		1	Control cable	D
7	192127		1	Trunnion	
8	630003		4	Cotter pin	
9	500048		2	Screw M10-1,5x20 8,8	
10	904230		2	Washer 10,5x22x2	
11	374904		1	Bracket	
12	192112		1	Control cable	
13	192111		1	Control cable	
14	250137		3	Trunnion	
15			2	Pedal and brake valve (Page 266)	

Forward and reverse control, brake

16265-1



Forward and reverse control, brake

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	312035	E,K	2	Ball knob W1/2"-12, D= 40mm	
	281382	K	2	Ball knob M12, D= 50mm Up to 22620298	
	312023		2	Ball knob M12, D= 32mm From 22620299	
2	500015		2	Screw M6-1x30 8,8	
3	570004		6	Nut M6	
4	254909	A,G	2	Control lever	
	380467	B,F	2	Control lever	
5	264475		2	Bushing	
6	259269		2	Bushing	
7	192114		1	Control cable	D
8	530016		5	Clevis pin	
9	921850		4	Yoke	
10	630003		7	Cotter pin	
11	516034		3	Stop screw	
12	259261		1	Shaft	
13	269720		1	Lever	
14	629061		3	Expanding pin	
15	249845		2	Cam	
16	192026		1	Bracket	
17	904230		8	Washer 10,5x22x2	
18	500048		2	Screw M10-1,5x20 8,8	
19	500188		2	Screw M8-1,25x14 8,8	
20	615043		3	Washer 8,4x18x2	
21	813353		1	Clamp	
22	572002		3	Nut	
23	813369		1	Fork link	
24	192025		1	Bracket Up to 696B347	
	192767		1	Bracket From 696B348	
25	192105		1	Hood	
26	600021		1	Washer	
27	192018	C,D	1	Lever	
28	630014		1	Cotter pin	
29	191999		1	Bushing	D
30	192014		1	Support, cpl	
31	541702		3	Screw M6x12	
32	192115		1	Control cable	
33	500029		3	Screw M10-1,5x30 8,8	
34	586018		3	Lock nut M10	

A) Includes the ball knob 312035

B) To be interchangeable with 254909, ball knob 281382 or 312023 is needed

C) New version with tread: M12

D) Interchangeable with the old version of this lever together with ball knob 312023

E) In use together with lever 254909

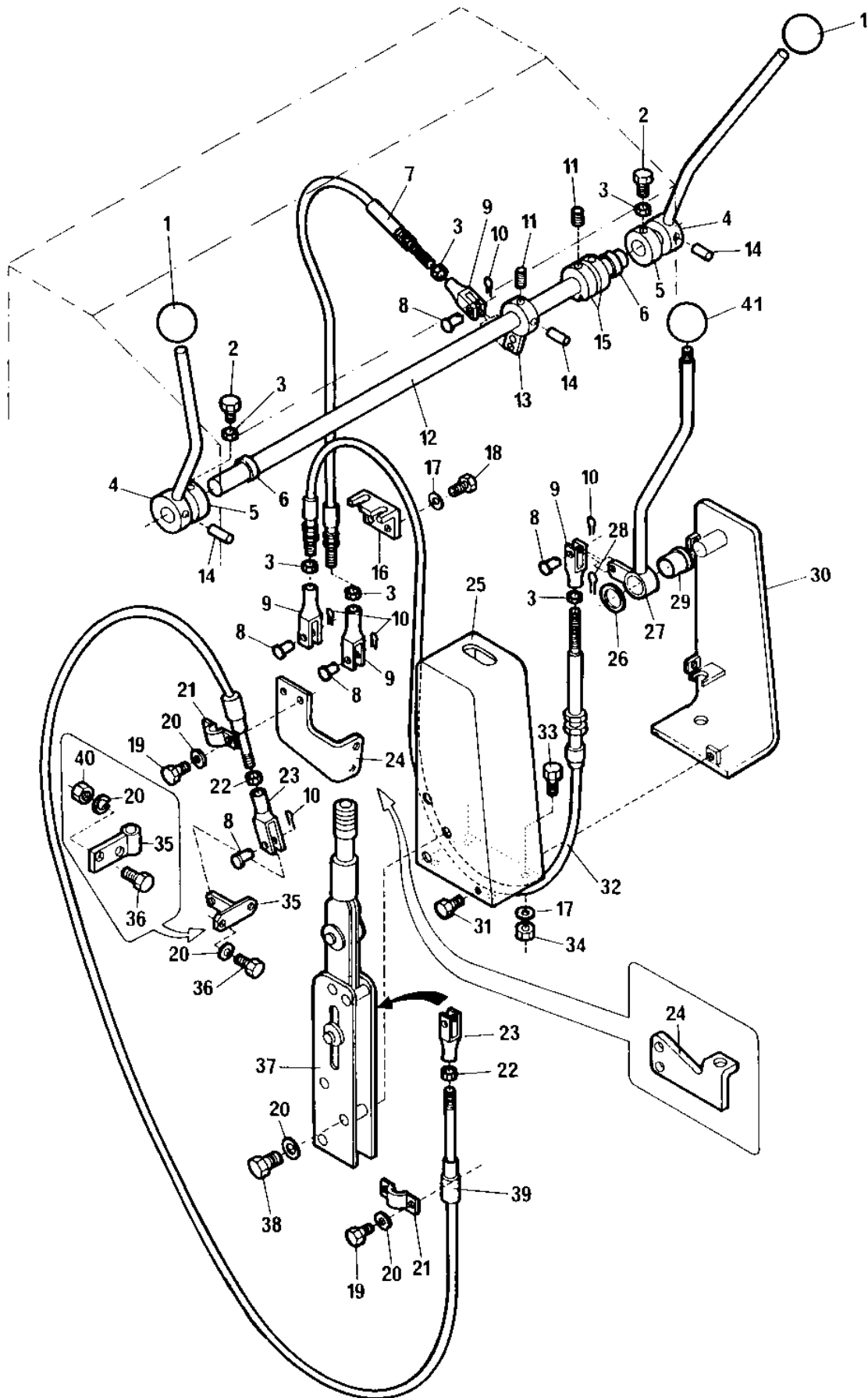
F) Advise: To find out for sure which lever is used, check the ball knob diameter: 40mm= Lever 254909

G) Replaced by 380467 together with ball knob 281382 or 312023

K) Check ball knob diameter for correct order.

Forward and reverse control, brake

16265-1

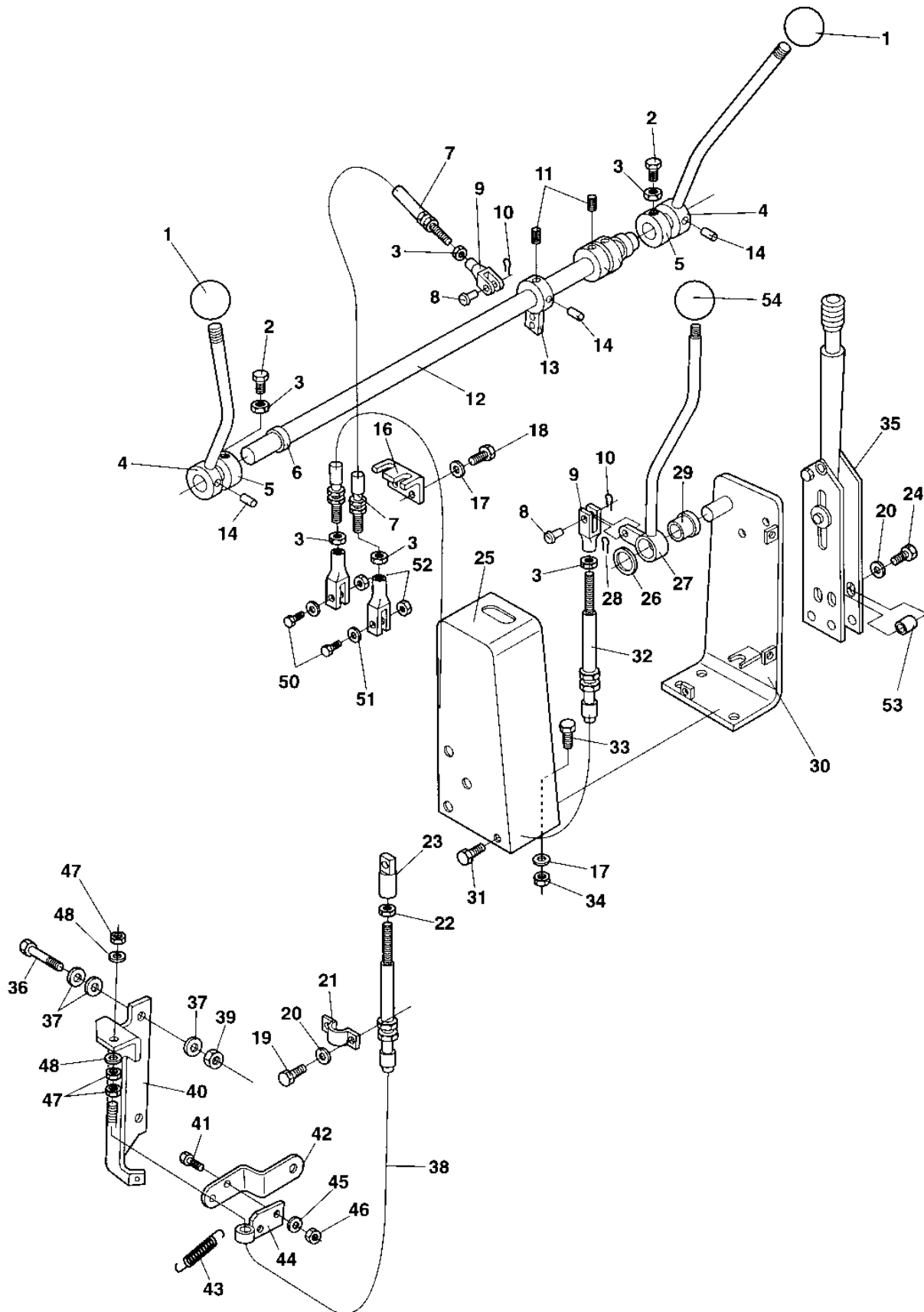


Forward and reverse control, brake

Ref. No.	Part No.	Rem.	Qty	Description	Code
35	192106		1	Bracket Up to 696B347	
	192766		1	Bracket From 696B348	
36	500053		2	Screw M8-1,25x20 8,8 Up to 696B347	
	500021		2	Screw M8-1,25x25 8,8 From 696B348	
37	813331		1	Brake lever	
38	500024		2	Screw M8x45	
39	192113		1	Brake cable Up to 696B347	D
	192793		1	Brake cable From 696B348	D
40	570005		2	Nut M8 From 696B348	
41	312035	H,K	1	Ball knob W1/2"-12, D= 40mm	
	312023	J,K	1	Ball knob M12, D= 32mm	
H)	In use together with the old version of lever 192018, which has the tread: W 1/2" - 12				
J)	In use together with the new version of lever 192018				
K)	Check ball knob diameter for correct order.				

Forward and reverse control, brake

16352-1



Forward and reverse control, brake

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	312035	E,K	2	Ball knob W1/2"-12, D= 40mm	
	281382	K	2	Ball knob M12, D= 50mm Up to 22620298	
	312023		2	Ball knob M12, D= 32mm From 22620299	
2	500015		2	Screw M6-1x30 8,8	
3	570004		6	Nut M6	
4	254909	A,G	2	Control lever Model Old Version	
	380467	B,F	2	Control lever Model New version 1999-	
5	264475		2	Bushing	
6	259269		2	Bushing	
7	192114		1	Control cable	D
8	530016		5	Clevis pin	
9	921850		4	Yoke	
10	630003		5	Cotter pin	
11	516034		3	Stop screw	
12	259261		1	Shaft	
13	380466		1	Lever	
14	629061		3	Expanding pin	
16	192026		1	Bracket	
17	904230		8	Washer 10,5x22x2	
18	500048		2	Screw M10-1,5x20 8,8	
19	500188		2	Screw M8-1,25x14 8,8	
20	615043		3	Washer 8,4x18x2	
21	813353		1	Clamp	
22	572002		3	Nut	
23	813369		1	Fork link Up to 22620277	
	380063		1	Rod end From 22620278	
24	500024		2	Screw M8x45 Up to 22620277	
25	192105		1	Hood	
26	600021		1	Washer	
27	192018	C,D	1	Lever	
28	630014		1	Cotter pin	
29	191999		1	Bushing	D
30	192014		1	Support, cpl Up to 22620277	
	380453		1	Bracket From 22620278	
31	541702		3	Screw M6x12	
32	192115		1	Control cable	
33	500029		3	Screw M10-1,5x30 8,8	
34	586018		3	Lock nut M10	

A) Includes the ball knob 312035

B) To be interchangeable with 254909, ball knob 281382 or 312023 is needed

C) New version with thread: M12

D) Interchangeable with the old version of this lever together with ball knob 312023

E) In use together with lever 254909

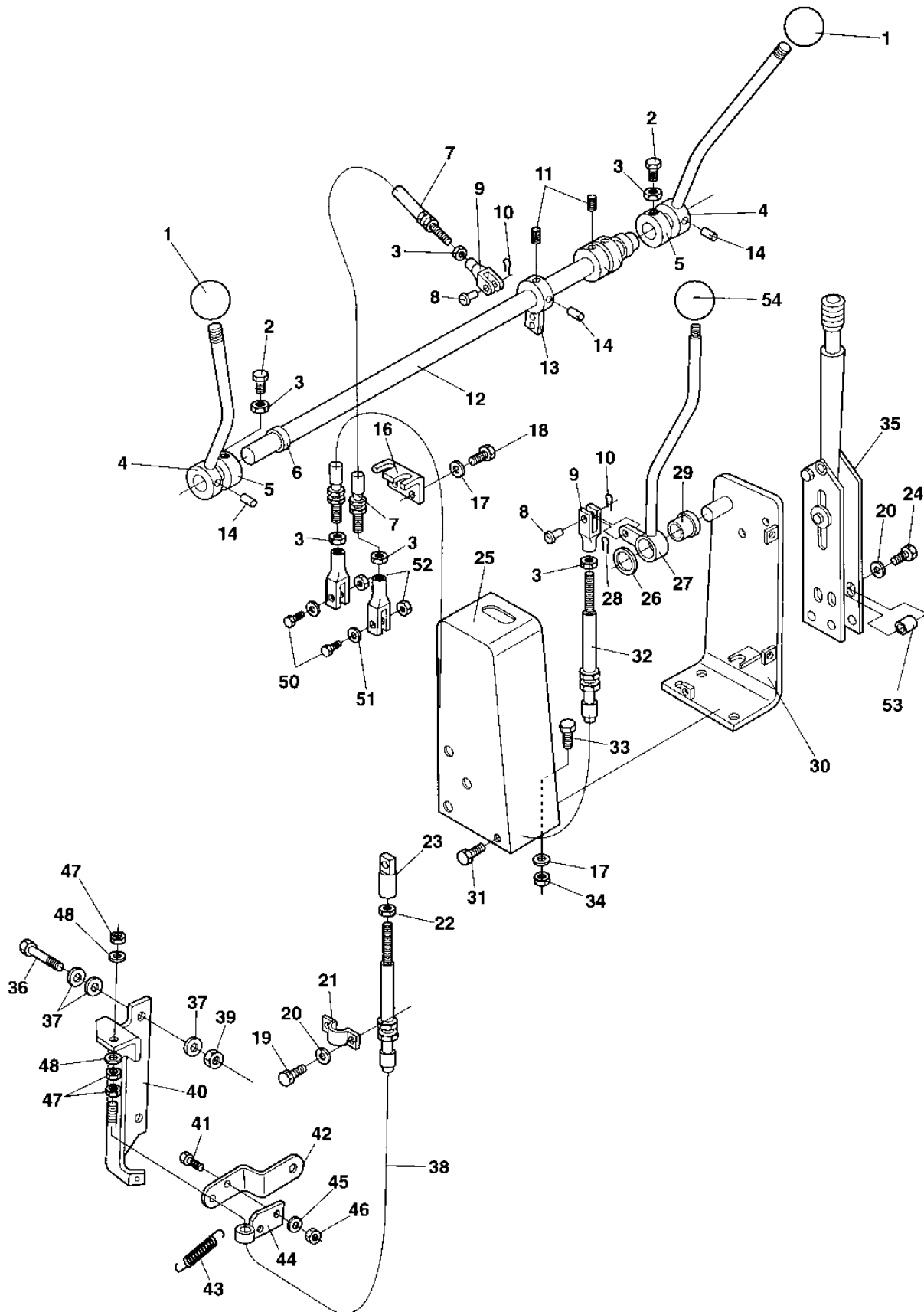
F) Advise: To find out for sure which lever is used, check the ball knob diameter: 40mm= Lever 254909

G) Replaced by 380467 together with ball knob 281382 or 312023

K) Check ball knob diameter for correct order.

Forward and reverse control, brake

16352-1



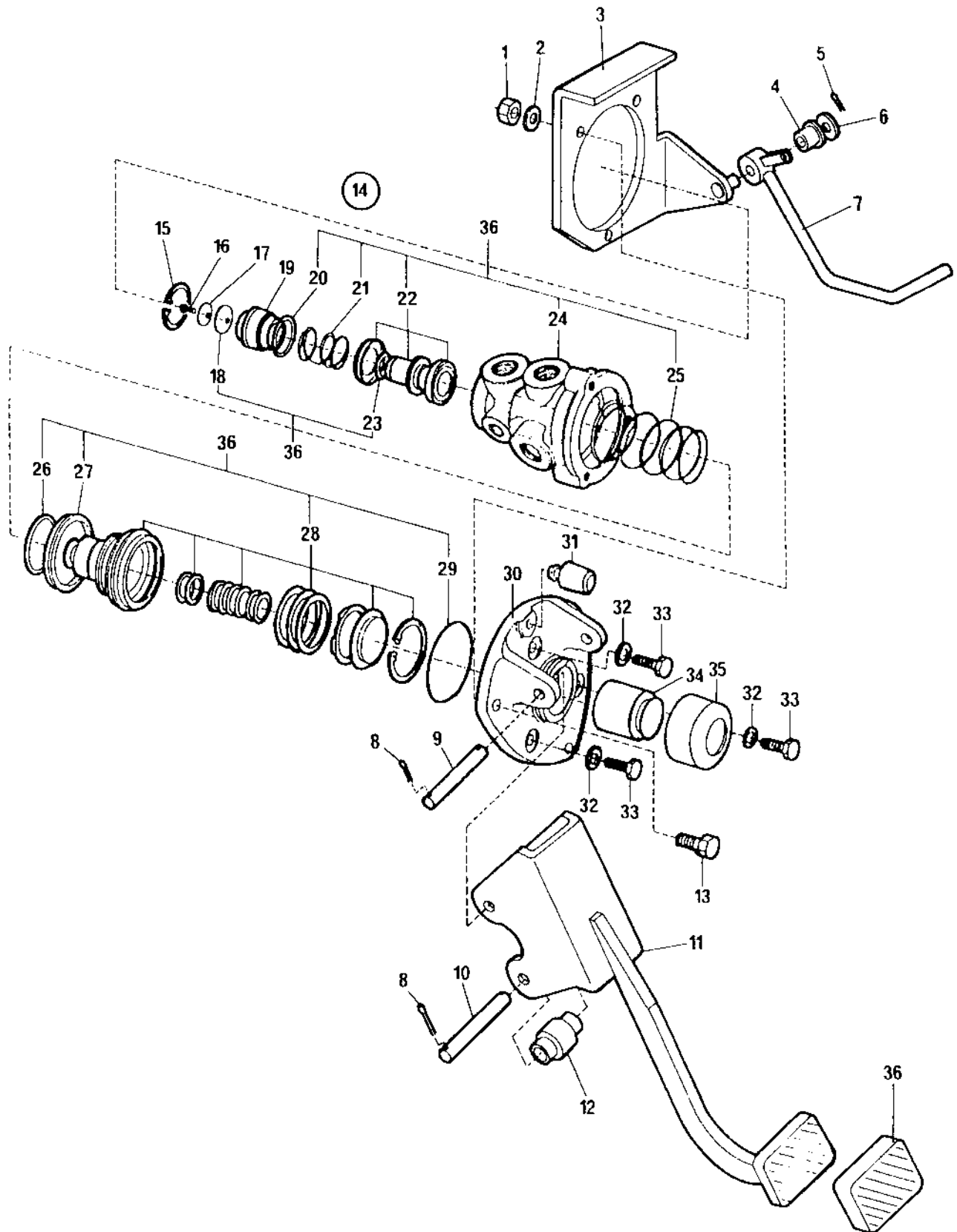
Forward and reverse control, brake

Ref. No.	Part No.	Rem.	Qty	Description	Code
35	813331		1	Brake lever Up to 22620277	
	380392		1	Brake lever From 22620278	
36	904449		2	Screw	
37	904232		4	Washer 17x30x3	
38	192793		1	Brake cable	D
39	904450		2	Nut	
40	376273		1	Bracket	
41	500021		2	Screw M8-1,25x25 8,8	
42				Bracket Model See brakes	
43	359043		1	Spring	D
44	374969		1	Bracket	
45	615043		4	Washer 8,4x18x2	
46	570005		2	Nut M8	
47	572002		3	Nut	
48	904229		2	Washer 8,4x16x1,5	
50	500022		2	Screw M8-1,25x30 8,8	
51	904229		2	Washer 8,4x16x1,5	
52	586003		2	Lock nut M8	
53	380064		2	Spacer From 22620278	
54	312035	H,K	1	Ball knob W1/2"-12, D= 40mm	
	312023	J,K	1	Ball knob M12, D= 32mm	

- H) In use together with the old version of lever 192018, which has the thread: W 1/2" - 12
- J) In use together with the new version of lever 192018
- K) Check ball knob diameter for correct order.

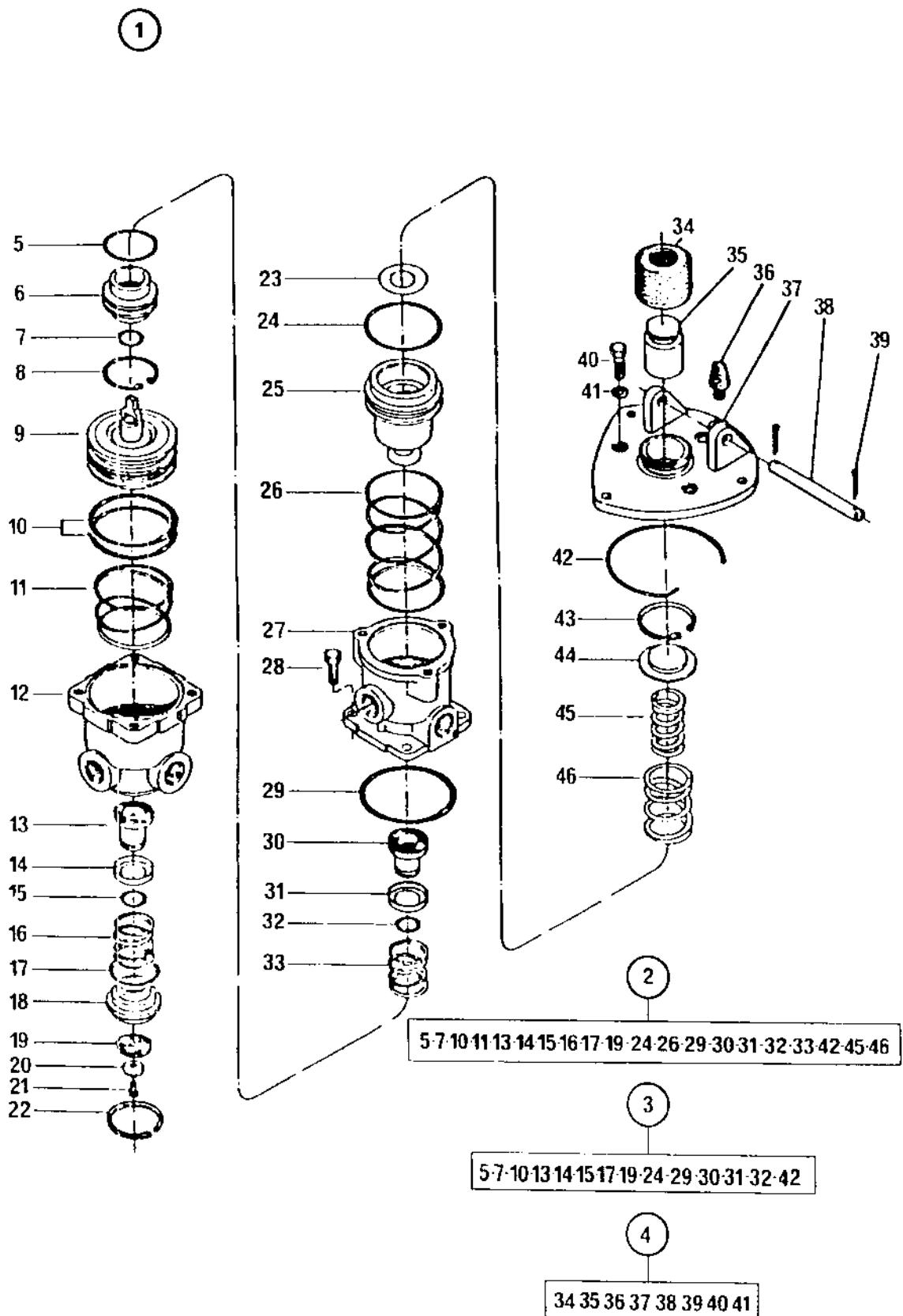
Pedal and brake valve

16282



Pedal and brake valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	570005		3	Nut M8	
2	615043		3	Washer 8,4x18x2	
3	191976		1	Holder plate	
4	191999		1	Bushing	D
5	630014		1	Cotter pin	
6	600021		1	Washer	
7	191973		1	Pedal, cpl	
8	630005		4	Cotter pin	
9	192000		1	Pin	
10	191997		1	Pin	
11	191969		1	Brake pedal Up to 705B272	
	194756		1	Brake pedal From 705B273	
12	191998		1	Roller	
13	500022		3	Screw M8-1,25x30 8,8	
14	192002		1	Brake valve Up to 705B272	
	191533		1	Brake valve, Varga From 705B273 (Page 64)	
15	192282		1	.Retaining ring	
16	192283		1	.Screw	
17	192284		1	.Lock washer	
18	192285		1	.Diaphragm	
19	192286		1	.Guide valve	
20	192287		1	.Seal ring	
21	192288		1	.Spring	
22	192289		1	.Valve assembly	
23	192290		1	.Seal ring	
24	192291		1	.Valve housing	
25	192292		1	.Spring	
26	192293		1	.Seal ring	
27	192294		1	.Gasket	
28	192295		1	.Piston assembly	
29	192296		1	.Retaining ring	
30	192297		1	.Bracket	
31	192299		1	.Pedal stop	
32	192298		1	.Spring washer	
33	192300		1	.Screw	
34	192301		1	.Piston	
35	192302		1	.Scoop	
36	920493		1	Pedal rubber	D

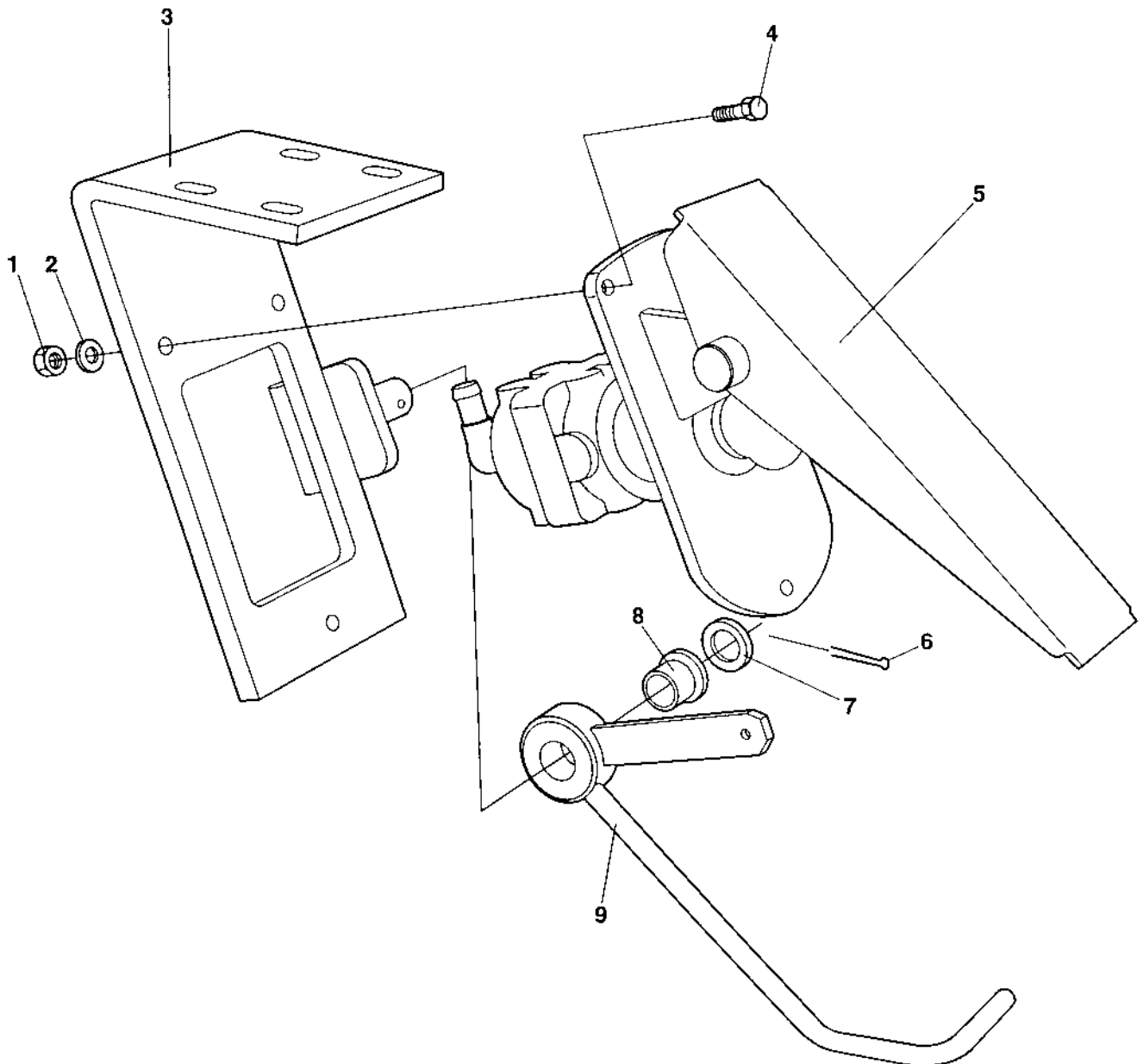


191533 Brake valve, Varga

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Brake valve, Varga	D
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	

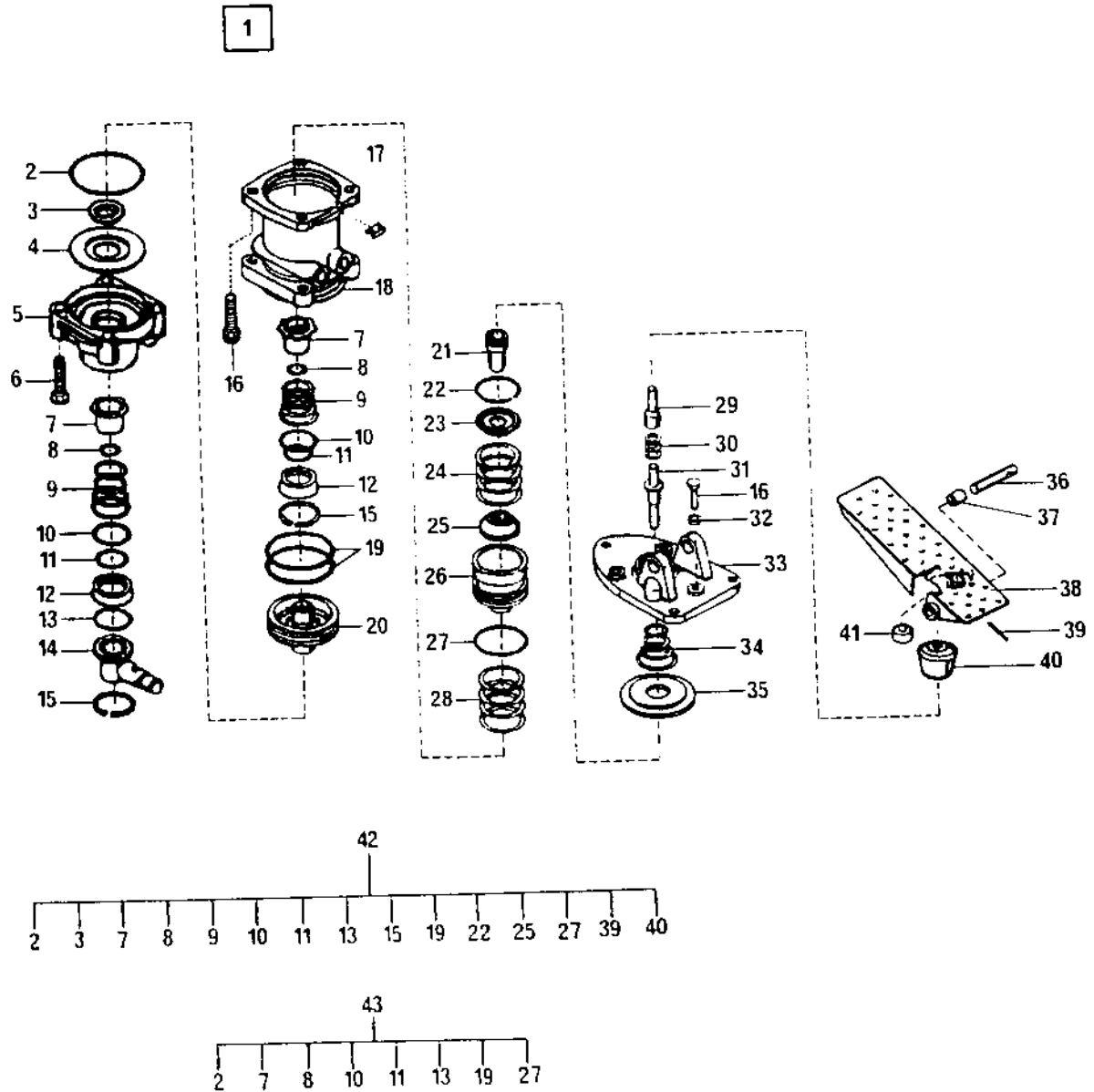
Pedal and brake valve

16471



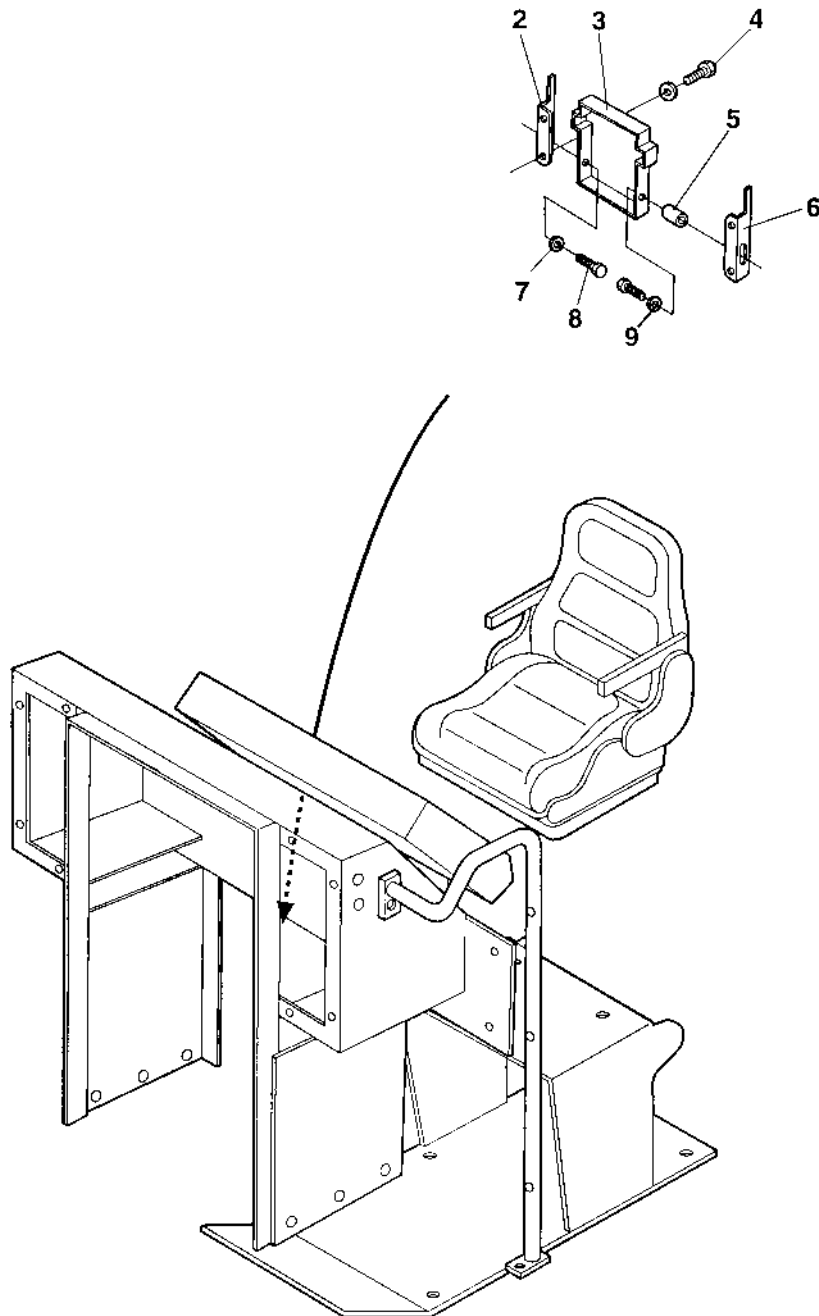
Pedal and brake valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	570005		3	Nut M8	
2	615043		3	Washer 8,4x18x2	
3	195758		1	Bracket	
4	500022		3	Screw M8-1,25x30 8,8	
5	195779		1	Brake valve (Page 268)	
6	630014		1	Cotter pin	
7	600021		1	Washer	
8	191999		1	Bushing	D
9	191973		1	Pedal, cpl	



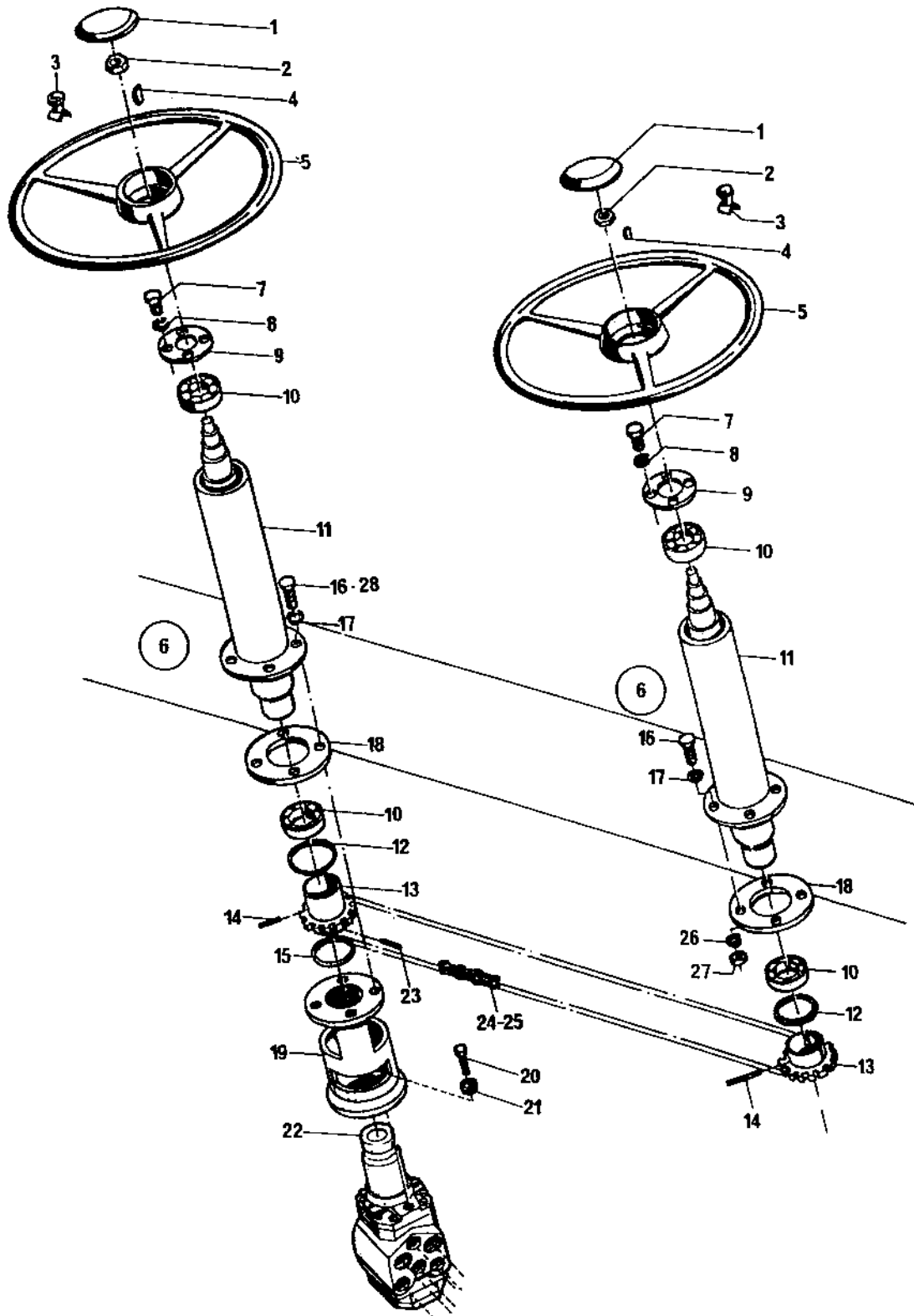
195779 Brake valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Brake valve	
2	196159		1	.O-ring	
3	196158		1	.Gasket	
4	196157		1	.Intermediate support	
5	196156		1	.Housing, lower	
6	196155		4	.Screw	
7	196154		2	.Valve housing	
8	196153		2	.O-ring	
9	196152		2	.Spring	
10	196151		2	.O-ring	
11	196150		2	.O-ring	
12	196149		2	.O-ring	
13	196148		1	.O-ring	
14	196146		1	.Cover	
15	196145		2	.Retaining ring	
16	196162		5	.Screw	
17	196164		1	.Filler cap	
18	196163		1	.Housing, upper	
19	196161		2	.O-ring	
21	196172		1	.Shaft	
22	196171		1	.Retaining ring	
23	196170		1	.Spring leg	
24	196169		1	.Spring	
25	196168		1	.Rubber spring	
26	196167		1	.Piston	
27	196166		1	.O-ring	
28	196165		1	.Spring	
29	196179		1	.Upper bar	
30	196178		6	.Spacer	
31	196177		1	.Lower bar	
32	196176		1	.Nut	
33	196175		1	.Cover	
34	196174		1	.Spring	
35	196173		1	.Cover	
36	196185		1	.Pin	
37	196184		1	.Bushing	
38	196183		1	.Pedal	
39	196181		1	.Expanding pin	
40	196180		1	.Protection cap	
41	196182		1	.Buffer	
42	196186		1	Repair kit	
43	196187		1	Repair kit	



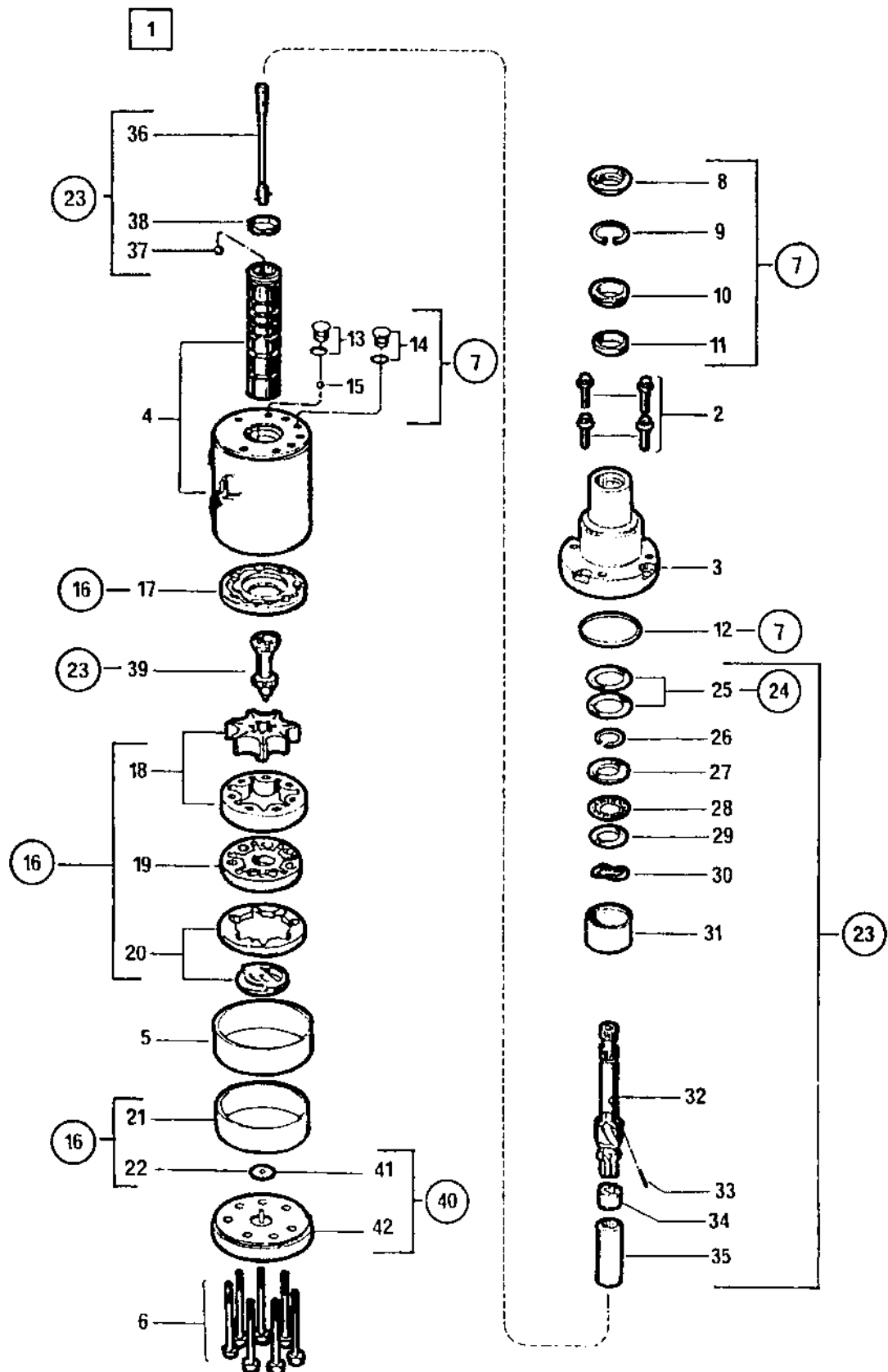
Operator's manual box

Ref. No.	Part No.	Rem.	Qty	Description	Code
2	357427		1	Cover holder	
3	357425		1	Instruction book holder	
4	624021		4	Pop rivet	
5	902163		2	Parallel pin	
6	357426		1	Cover holder	
7	904697		2	Washer 3,2x6x0,5	
8	902164		2	Screw	
9	904697		1	Washer 3,2x6x0,5	



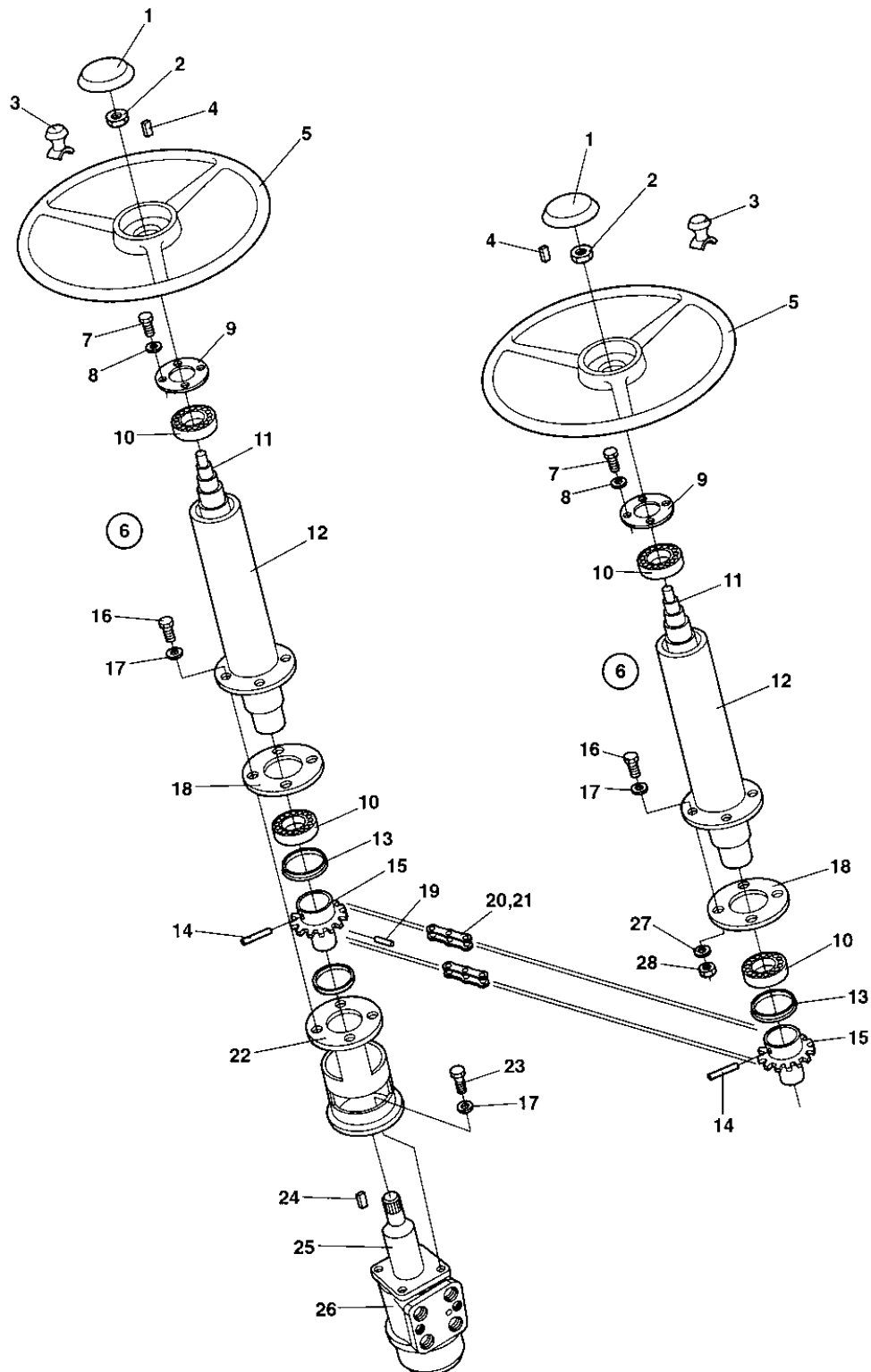
Steering assembly

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	312039		2	Cap	
2	572005		2	Nut	
3	262094		2	Turning knob	
4	250795		2	Key	
5	922624		2	Steering wheel	
6	263685		2	Steering column, cpl	
7	550043		4	.Screw	
8	604002		4	.Washer	
9	250407		1	.Cover bearing	
10	111164		2	.Bearing	D
11	263607		1	.Wheel column	
12	151015		1	.Snap ring	
13	268744		1	.Shaft, cpl	
14	628207		1	.Pin	
15	150014		1	.Snap ring	D
16	500030		8	Screw M10-1,5x35H 8,8 Up to 696B330	
	500030		4	Screw M10-1,5x35H 8,8 From 696B331	
17	600008		8	Washer	
18	263587		2	Shim	
19	268749		1	Bracket	
20	502019		4	Screw	
21	600006		4	Washer	
22	900411		1	Steering valve (Page 218)	
23	268845		1	Shaft	
24	417063		1	Chain	D
25	417037		1	Connecting link	D
26	604006		4	Washer Up to 696b330	
	615044		4	Conical spring washer From 696b331	D
27	570006		4	Nut M10	
28	500031		4	Screw M10-1,5x40 8,8 From 696B331	



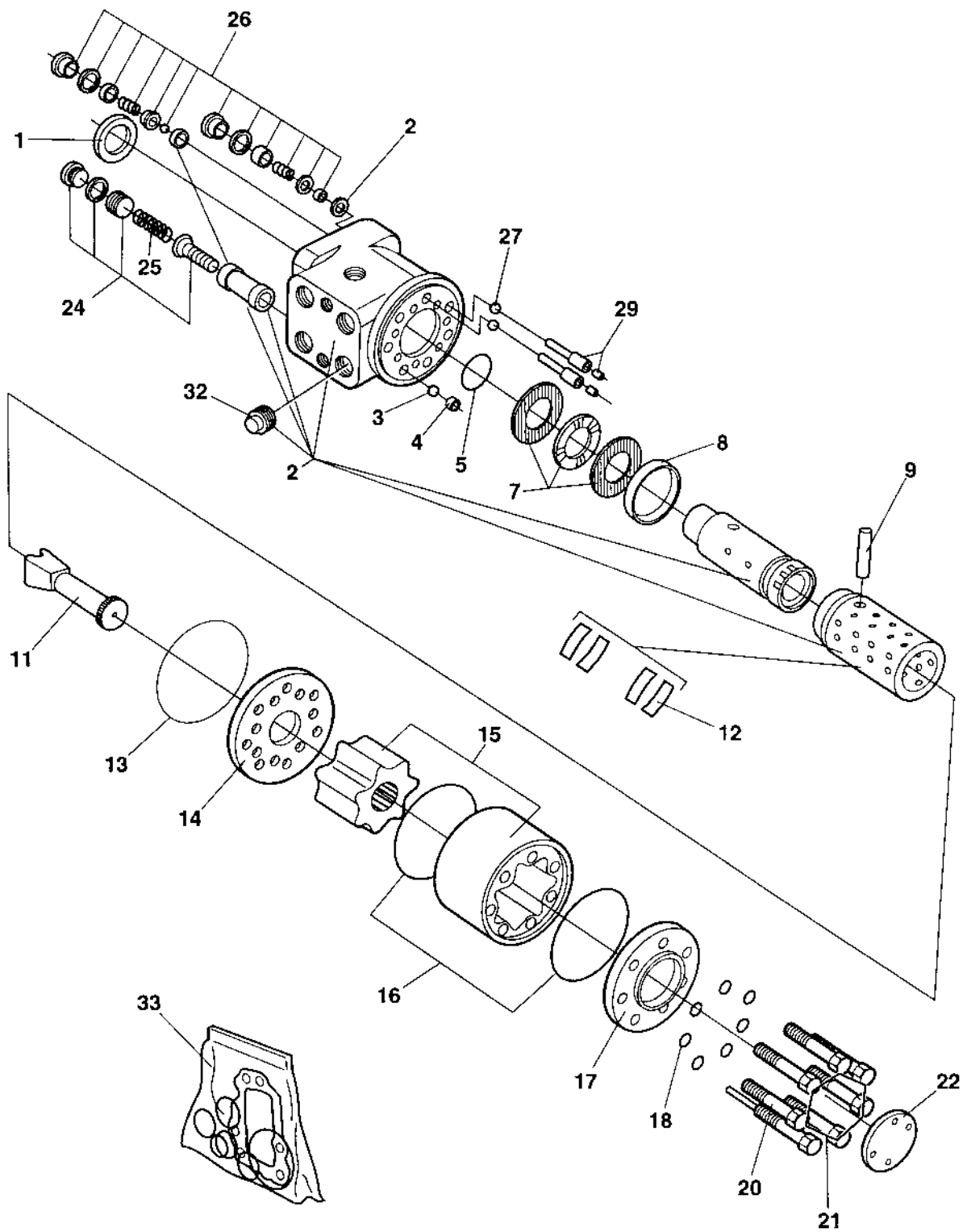
900411 Steering valve

Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Steering valve, cpl	
2	910577		4	.Screw	
3	910569		1	.Cover, upper	
4	240904		1	.Housing	
5	240905		1	.Sleeve	
6	240906		7	.Screw	
7	928840		1	.Seal kit	
8	910586		1	..Dust filter	
9			1	..Snap ring	
10			1	.Spacer	
11			1	..Seal ring	
12			1	..Seal ring	
13			2	..Plug with o-ring	
14			1	..Plug with o-ring	
15			1	..Ball	
16	249547		1	.Manual pump kit	
17			1	..Spacer	
18			1	..Rotor set	
19			1	..Collector	
20	240100		1	..Collector ring	
21	240907		1	..Rotor sealing	
22			1	..Washer	
23	249548		1	.Shaft repair kit	
24	910599		1	..Shim kit	
25		A	2	..Shim	
	330534	B	1	..Shim	
	330534	C	1	..Shim	
	330534	D	2	..Shim	
26			1	..Snap ring	
27			1	..Washer	
28			1	..Bearing	
29			1	..Washer	
30			1	..Lock washer	
31			1	..Spacer	
32			1	..Shaft	
33			1	..Needle	
34			1	..Ring	
35			1	..Spacer	
36			1	..Bar	
37			1	..Ball	
38			1	..Spring	
39			1	..Column	
40	249549		1	.Cover kit	
41			1	..Washer	
42			1	..Cover	
A)	0,030				
B)	0,003				
C)	0,005				
D)	0,010				



Steering assembly

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	312039		2	Cap	
2	572005		2	Nut	
3	262094		2	Turning knob	
4	250795		2	Key	
5	922624		2	Steering wheel	
6	375483		2	Steering column, cpl	
7	550043		4	.Screw	
8	604002		4	.Washer	
9	250407		1	.Cover bearing	
10	111164		2	.Bearing	D
11	374845		1	.Shaft	
12	263607		1	.Wheel column	
13	151015		1	.Snap ring	
14	926445		1	.Pin	
15	374821		1	.Chain wheel	
16	500030		8	Screw M10-1,5x35H 8,8	
17	600008		12	Washer	
18	263587		2	Shim	
19	516032		1	Stop screw	
20	417068		1	Chain	
21	417037		1	Connecting link	D
22	374822		1	Steering valve bracket	
23	500028		4	Screw M10-1,5x25 8,8	
24	350009		1	Flat key	D
25	370978		1	Linkage shaft	
26	375455		1	Steering valve (Page 220)	D
27	615044		4	Conical spring washer	D
28	570006		4	Nut M10	



375455 Steering valve

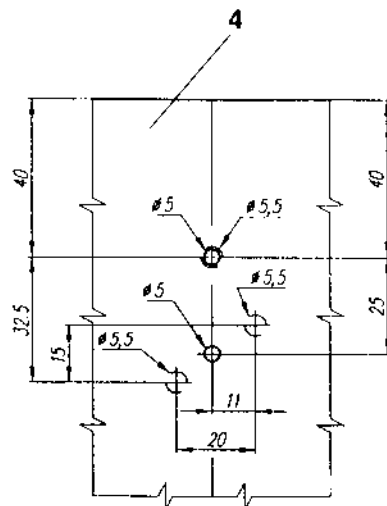
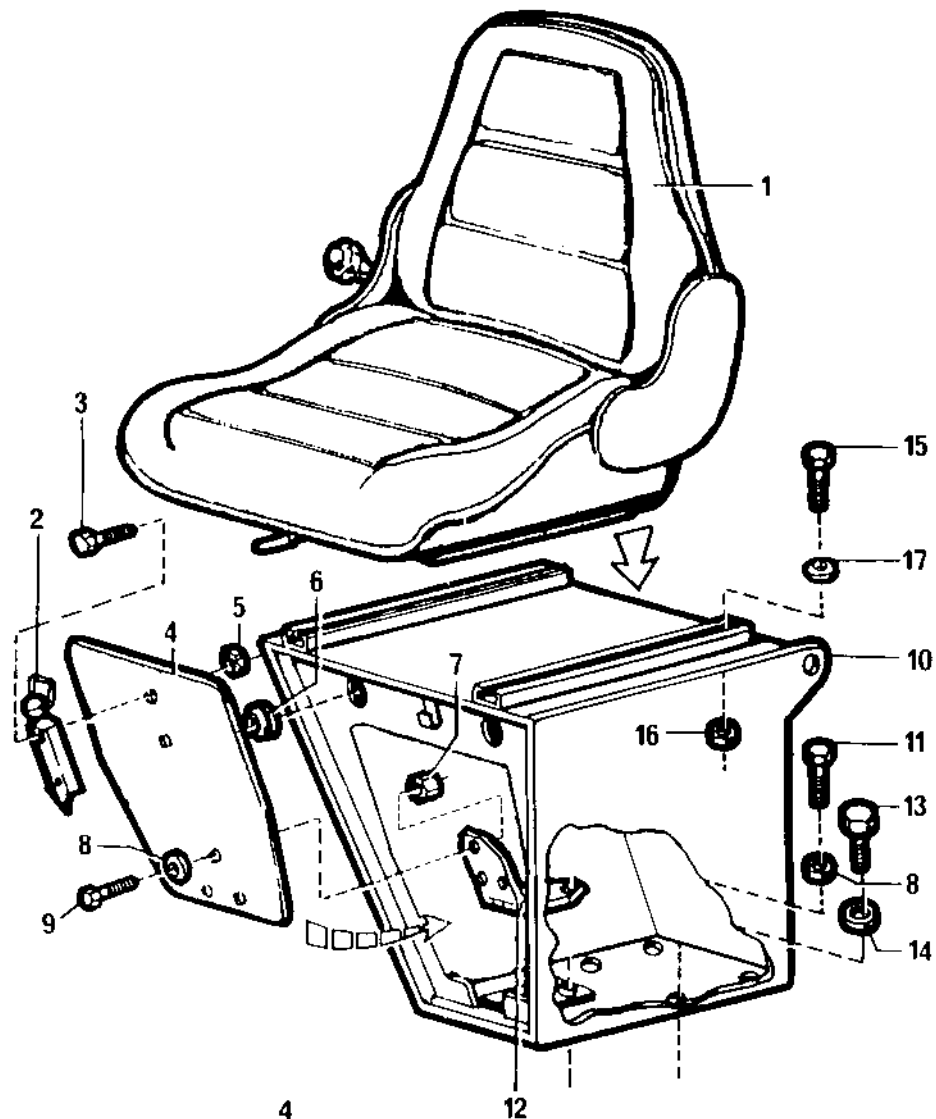
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	936487	A	1	Dust seal ring	
2			1	Housing, spool and sleeve	
3	480468		1	Ball	
4	480446		1	Threaded bushing	D
5	908780	A	1	O-ring	
7	911620		1	Bearing	D
8	480449		1	Ring	
9	480447		1	Cross pin	
11	902861		1	Cardan shaft	
12	911618		1	Spring kit	D
13	936488	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

Seat assembly Without armrests

16203



Existing holes/Existerande hål Ø5(2x)
New holes/Nya hål Ø5,5(3x)

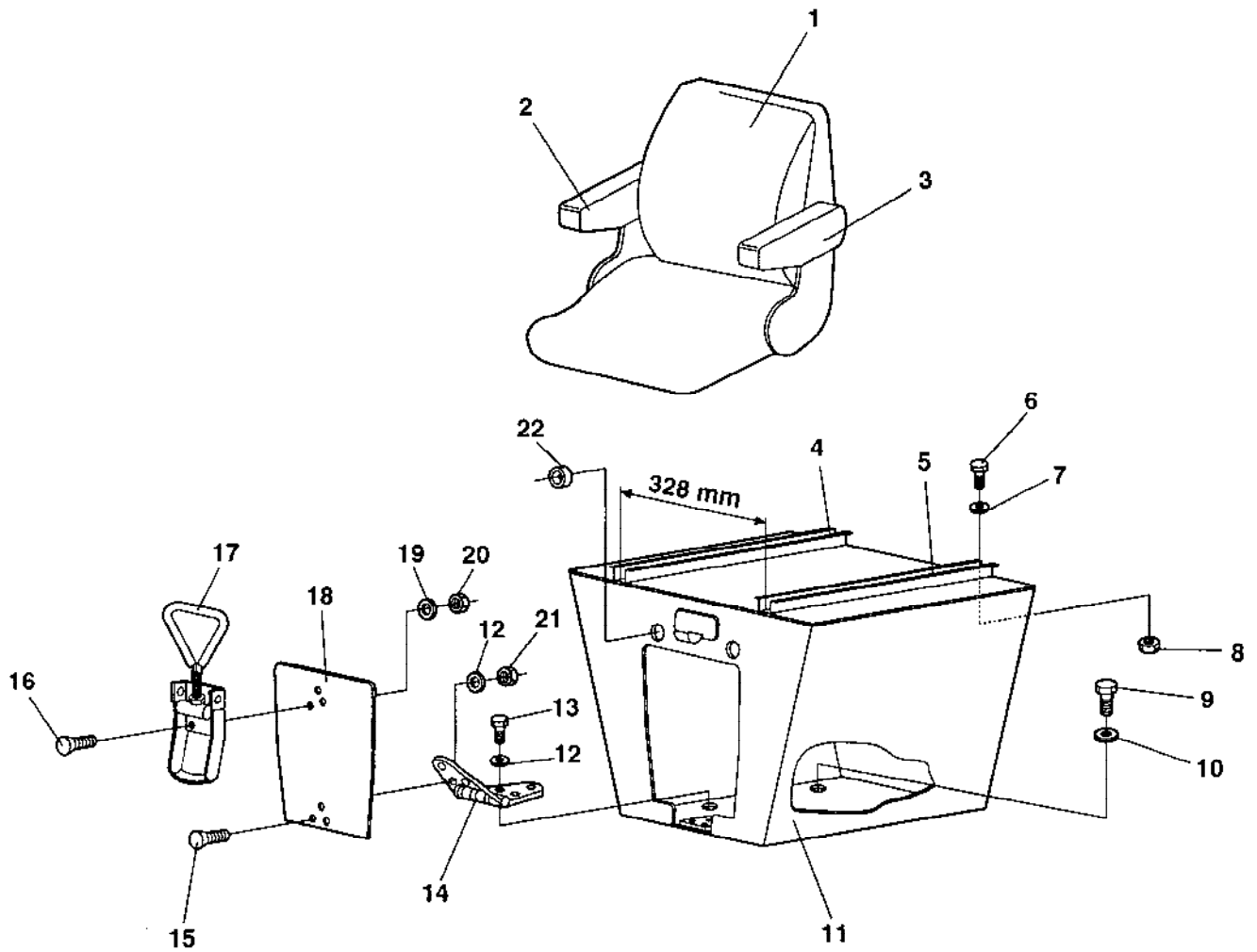
Seat assembly Without armrests

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	247741		1	Drivers seat	
2	262593	A	1	Hook	
	904519	C	1	Eccentric lock	
3	533009	D	2	Screw M4	
	535007	E	3	Screw M5x16	
4	247737	B	1	Protection	
5	570002	D	2	Nut M4	
	586001	E	3	Lock nut M5	
	904281		3	Washer 5,3x10x1	
6	909153		2	Grommet	
7	586002		3	Lock nut M6	
8	904735		6	Washer	
9	500040		3	Screw M6-1x20 8,8	
10	247739		1	Seat frame	
11	500013		3	Screw M6-1x16 8,8	
12	928632		2	Hinge	
13	500051		6	Screw M12-1,75x25 8,8	
14	904231		6	Washer 13x24x2	
15	500021		4	Screw M8-1,25x25 8,8	
16	570005		4	Nut M8	
17	904229		4	Washer 8,4x16x1,5	

- A) Old version with 2 mounting holes, replaced by 904519 with 3 mounting holes. To be interchangeable; new holes needs to be drilled in the old version of 247737, item 4.
- B) New version with 3 mounting holes for item 2, the earlier version with 2 mounting holes was used together with earlier 262593, item 2.
- C) New version with 3 mounting holes
- D) Together with 262593, item 2
- E) Together with 904519, item 2

Seat assembly With armrests

17456

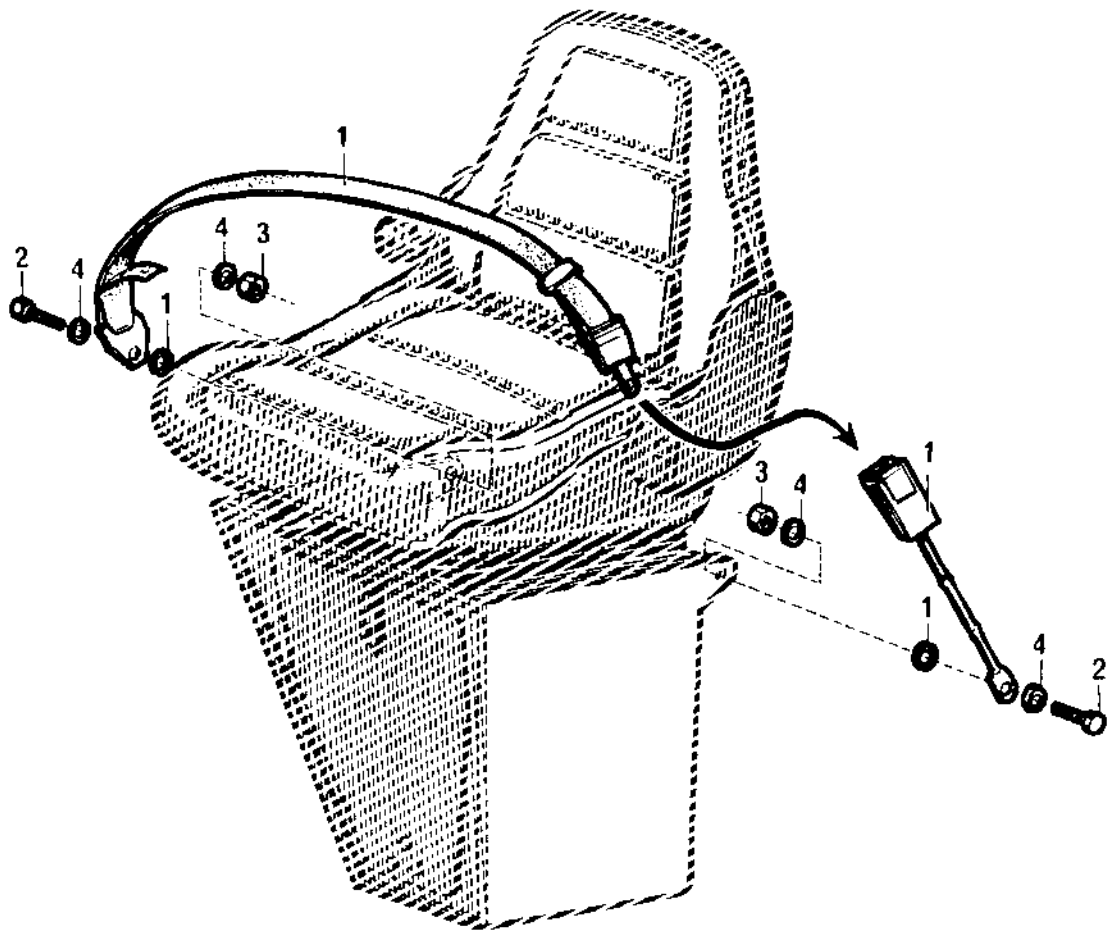


Seat assembly With armrests

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	370234		1	Drivers seat	
2	372697		1	.Arm rest	
3	372696		1	.Arm rest	
4	909536		1	.Sliding rail	D
5	909535		1	.Sliding rail	D
6	500053		4	Screw M8-1,25x20 8,8	
7	904229		4	Washer 8,4x16x1,5	
8	570005		4	Nut M8	
9	500051		6	Screw M12-1,75x25 8,8	
10	904703		6	Washer 13x24x4	
11	381748		1	Seat frame	
12	603001		6	Washer	
13	500185		3	Screw M6-1x14 8,8	
14	928632		1	Hinge	
15	500013		3	Screw M6-1x16 8,8	
16	535005		3	Screw M5x12	
17	904519		1	Eccentric lock	
18	247737		1	Protection	
19	904281		3	Washer 5,3x10x1	
20	570003		3	Nut M5	
21	586002		3	Lock nut M6	
22	909153		2	Grommet	

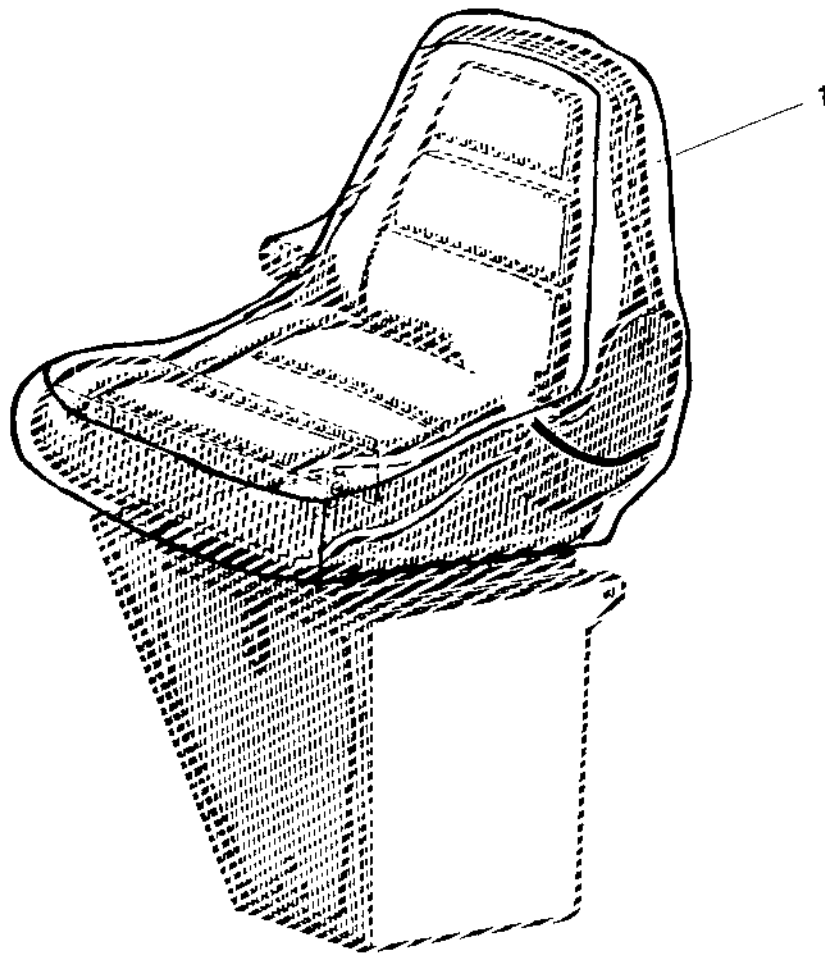
Safety belt, Only with rops Option

16275



Safety belt, Only with rops Option

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	370766		2	Safety belt	
	383200	A	2	Safety belt 3"	
2	500028		4	Screw M10-1,5x25 8,8	
3	570006		4	Nut M10	
4	600008		4	Washer	
A)	3", Option				

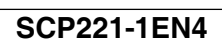


Seat cover

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	348331		1	Seat cover	D

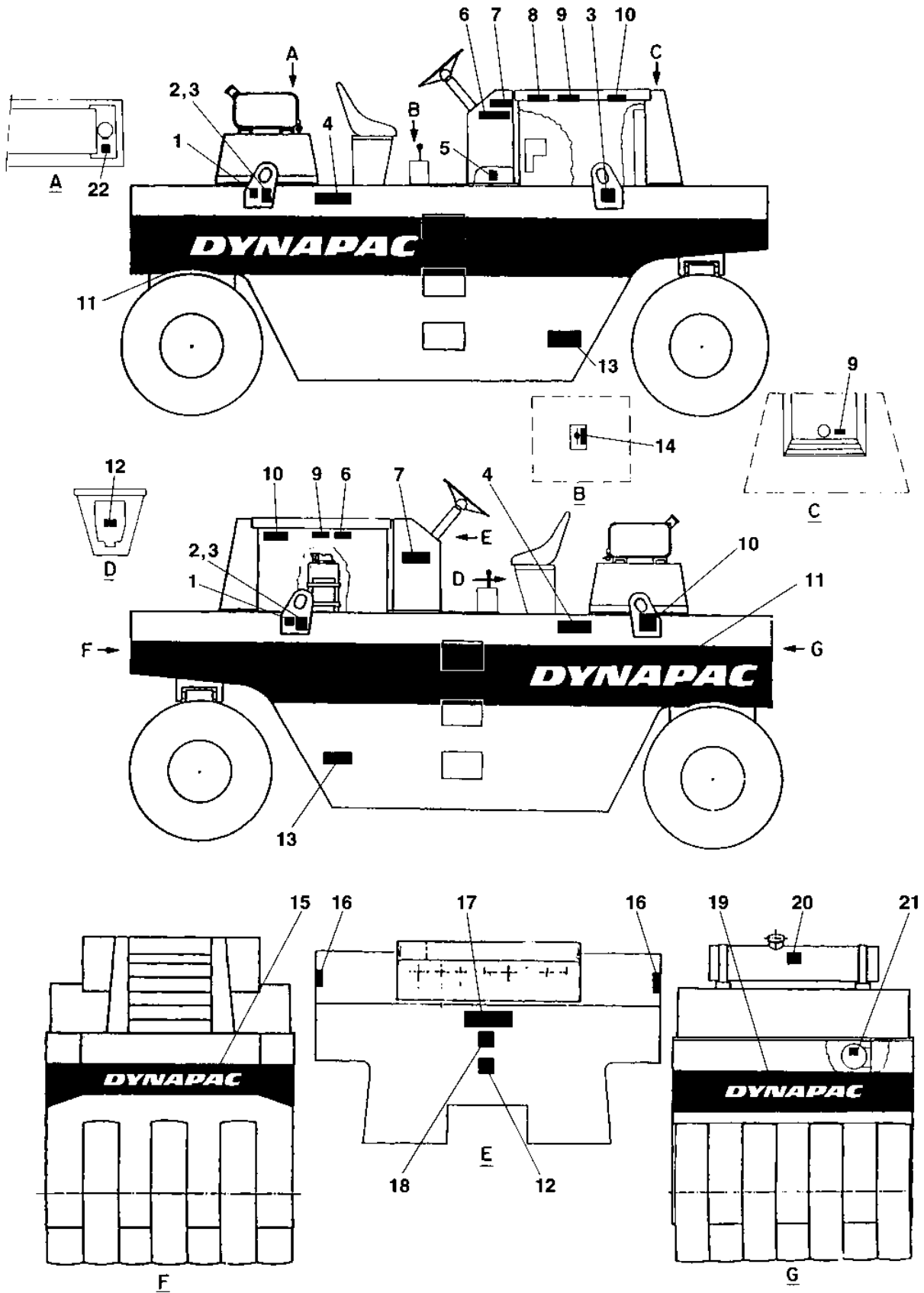
Decals

Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Kit, plate decals - SN 22620242 (Page 290)	
20				Decals SN 22620243 - (Page 292)	



Kit, plate decals - SN 22620242

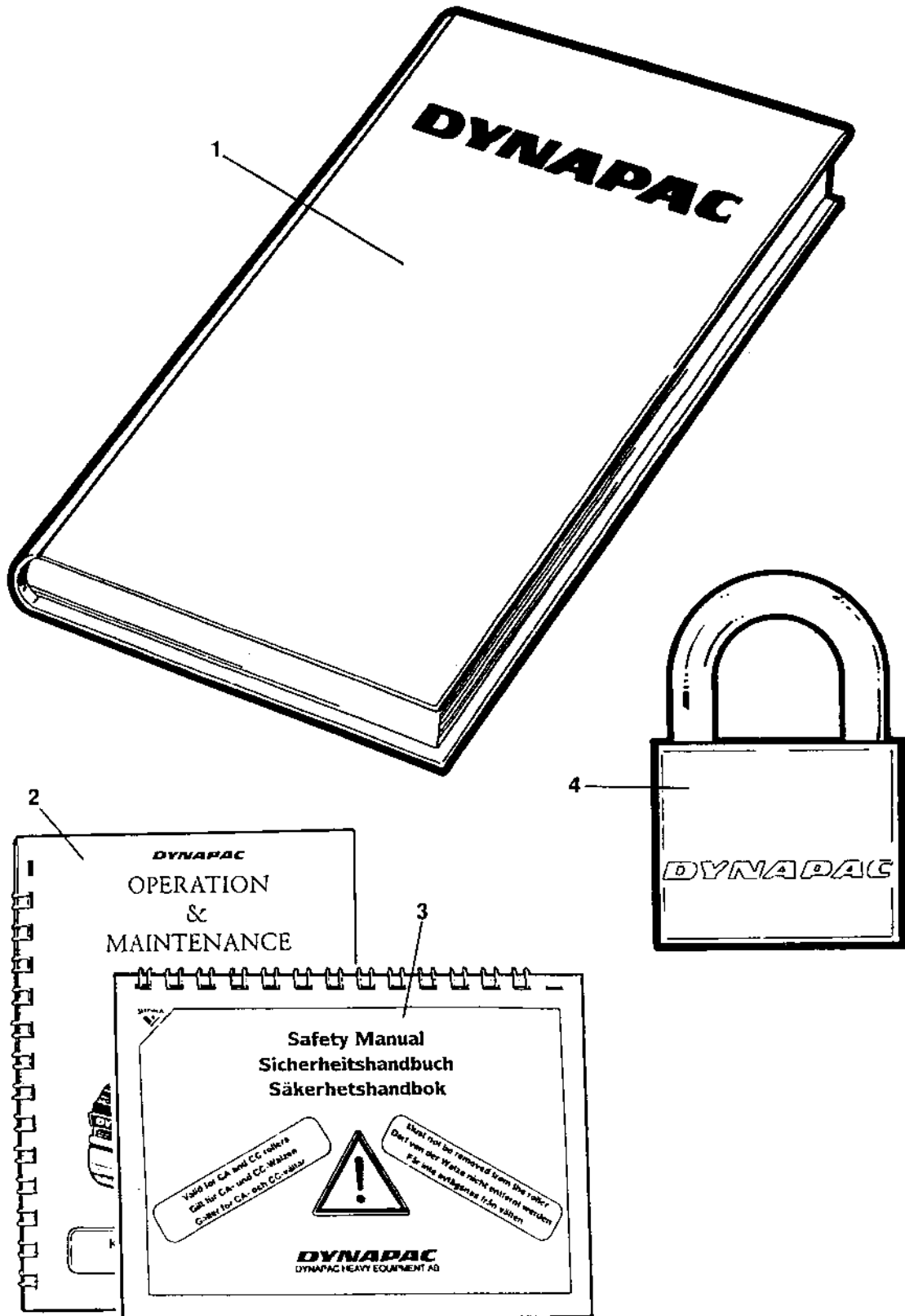
Ref. No.	Part No.	Rem.	Qty	Description	Code
1	191915		1	Decals portuguese	
	191916		1	Decal "FRENCH"	
	191917		1	Decal "ENGLISH"	
	191918		1	Decal "SPANISH"	
2	243499		1	.Maintenance	
	243499		1	.Maintenance	
	243498		1	.Maintenance	
	243500		1	.Maintenance	
3	266343		1	.Decal "ALTERNATOR"	
	991614		1	.Decal "ALTERNATOR"	
	991611		1	.Decal "ALTERNATOR"	
	991613		1	.Decal "ALTERNATOR"	
4	240147		1	.Decal "SAFETY"	
	248918		1	.Decal "SAFETY"	
	242867		1	.Decal "SAFETY"	
5	240146		1	.Decal "SAFETY"	
	248917		1	.Decal "SAFETY"	
	242868		1	.Decal "SAFETY"	
6	251873		1	.Decal "TYRE PRESSURE"	
	253178		1	.Decal "TYRE PRESSURE"	
	252993		1	.Tyre pressure	
	253205		1	.Decal "SPANISH"	
7	251745		1	.Decal	
	253177		1	.Decal	
	252994		1	.Decal	
	253204		1	.Decal	
8	191919		1	Decals, kit	
9	588176		4	.Decal "LIFT POINT"	
10	192253		2	.Decal "MODEL CODE"	
11	259804		1	.Decal "OIL LEVEL"	
12	258938		1	.Decal "HYDRAULIC FLUID SYSTEM"	
13	991650		2	.Decal "DIRECTION"	
14	991658		1	.Decal "FUEL"	
15	903422		2	.Decal "SAFETY"	
16	903424		1	.Decal "HOT SURFACE"	
17	903425		1	.Decal "SAFETY MANUAL"	
18	903423		2	.Decal "SAFETY"	
19	192361		2	.Decal "WARNING"	
20	903459		2	.Decal "SAFETY"	
21	193082		1	.Decal "DRAIN"	
22	991657		1	.Decal "WATER"	
23	191920		1	Kit, plate decals	
24	904098		2	.Decal "DYNAPAC" L=1350 mm	
25	904094		1	.Decal "DYNAPAC" L=670 mm	
26	904093		1	.Decal "DYNAPAC" L=1010 mm	
27	261786		1	.Decal "NAME PLATE"	
28	624016		4	.Blind rivet	
30	266547		1	Kit, decal USA	



Ref. No.	Part No.	Rem.	Qty	Description	Code
1	588176		4	Decal "LIFT POINT"	
2	343017		2	Lifting sign	
3	624016		12	Blind rivet	
4	192253		2	Decal "MODEL CODE"	
5	259804		1	Decal "OIL LEVEL"	
6	960787		1	Product identif. decal "Dynapac"	
7	903459		2	Decal "SAFETY"	
8	903423	A	2	Decal "SAFETY"	
9	903424	B	3	Decal "HOT SURFACE"	
10	903832	C	2	Safety decal	
11	904098		2	Decal "DYNAPAC" L=1350 mm	
12	903425		2	Decal "SAFETY MANUAL"	
13	903422		2	Decal "SAFETY"	
14	249007		2	Decal "GEAR"	
15	904094		1	Decal "DYNAPAC" L=670 mm	
16	991650		2	Decal "DIRECTION"	
17	349248SE		1	Decal "WARNING" Swedish	
	349248EN		1	Decal "WARNING" English	
	349248DE		1	Decal "WARNING" German	
	349248IT		1	Decal "WARNING" Italian	
	349248ES		1	Decal "WARNING" Spanish	
	349248FR		1	Decal "WARNING" French	
	349248NO		1	Decal "WARNING" Norwegian	
	349248DK		1	Decal "WARNING" Danish	
	349248FI		1	Decal "WARNING" Finnish	
	349248PT		1	Decal "WARNING" Portuguese	
	349248NL		1	Decal "WARNING" Dutch	
	349248GR		1	Decal "WARNING" Greek	
	349248IS		1	Decal "WARNING" Icelandic	
	349248CN		1	Decal "WARNING" Chinese	
18	374765		1	Decal "TYRE PRESSURE"	
19	904093		1	Decal "DYNAPAC" L=1010 mm	
20	991658		1	Decal "FUEL"	
21	193082		1	Decal "DRAIN"	
22	991657		1	Decal "WATER"	
23	272372		1	Decal "HYDRAULIC OIL"	
A)	Engine fan				
B)	Hot surface				
C)	Safety decal				

Standard equipment

Ref. No.	Part No.	Rem.	Qty	Description	Code
1				Standard equipment (Page 296)	

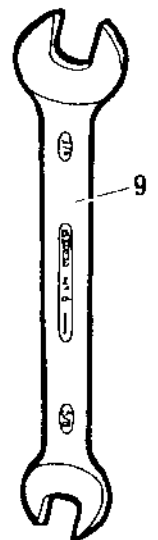
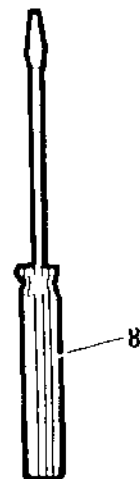
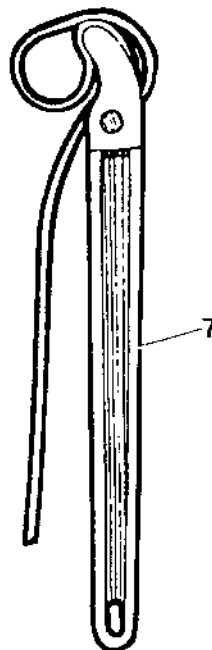
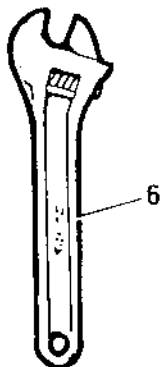
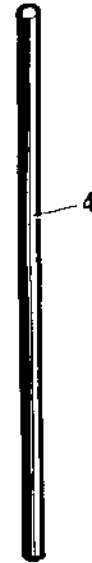
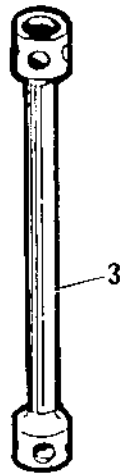
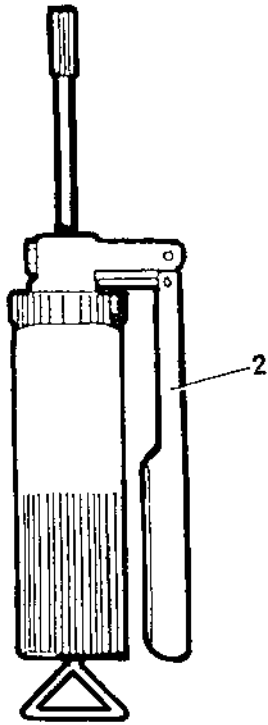
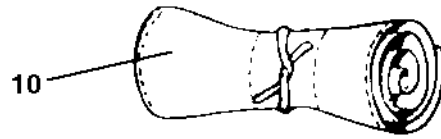


Ref. No.	Part No.	Rem.	Qty	Description	Code
1			1	Documentation, cpl. OMS221xx	
			1	.Warranty registration card	
			1	.Operating instruction O221xx	
			1	.Maintenance instruction M221xx	
			1	.Spare parts catalogue SCP221-xxxx	
2			1	.Operating / maintenance instruction OM221xx	
3			1	.Safety manual RSAFExx	
4	358881		5	Pad lock	

Optional equipment

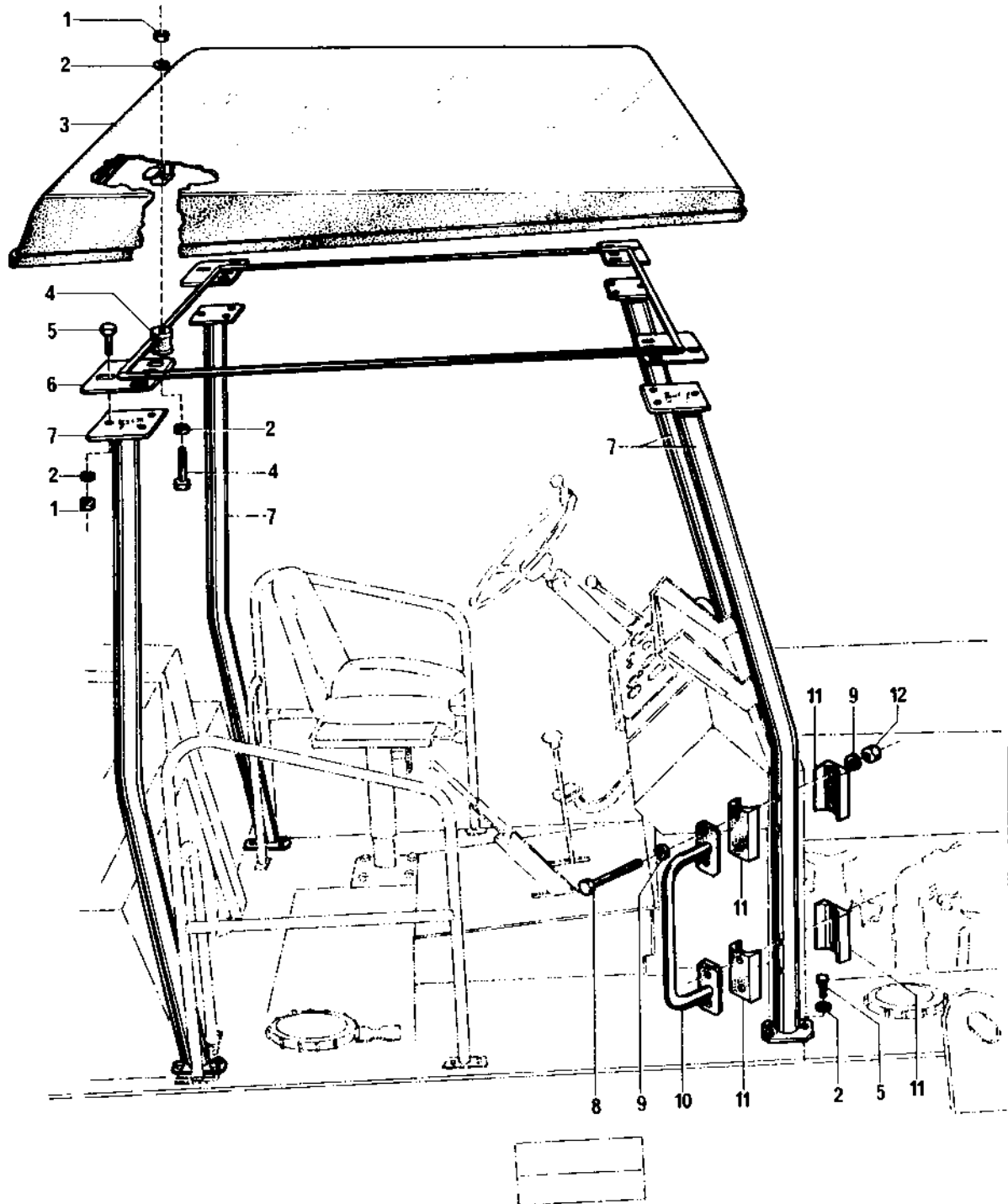
Ref. No.	Part No.	Rem.	Qty	Description	Code
10				Tool equipment (Page 300)	
20				Canopy (Page 302)	
25				Canopy with glass fibre (Page 304)	
30				Cab assembly mounting (Page 306)	
60				Protecting cover (Page 308)	

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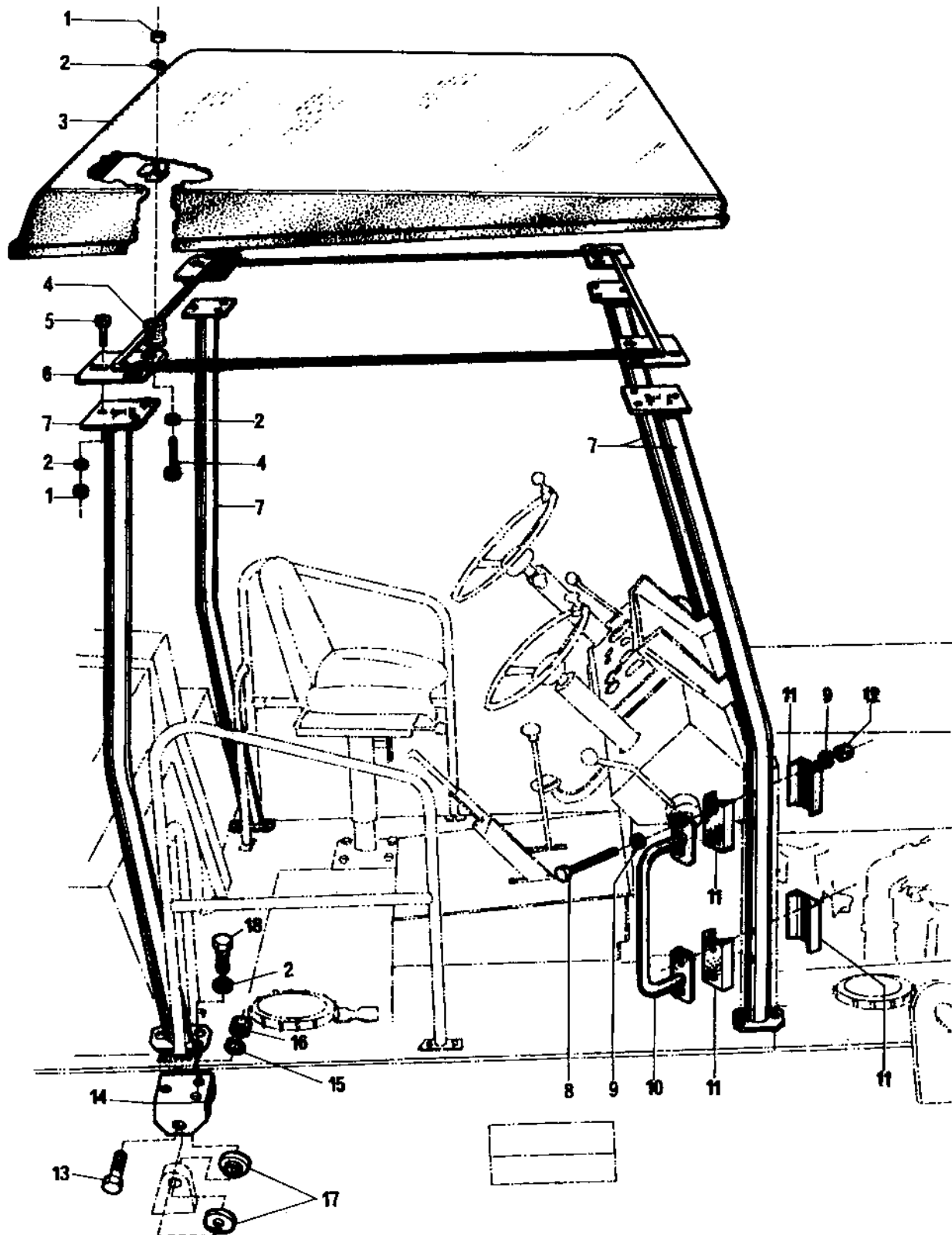
Tool equipment

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	268964		1	Tool kit	
2	311016		1	.Grease gun	
3	268964016		1	.Wheel nut key	
4	928348		1	.Lever	
5	268964017		1	.Ball pan hammer	
6	485011		1	.Adjustable wrench	
7	485075		1	.Strap spanner	
8	268964001		1	.Screw driver 1/8" x 3"	
	268964002			.Screw driver 1/8" x 5"	
	268964003		1	.Screw driver 1/4" x 8"	
	268964004		1	.Screw driver 3/8" x 12"	
9	268964005		1	.Open end spanner 10x11	
	268964006		1	.Open end spanner 12x13	
	268964007		1	.Open end spanner 16x17	
	268964008		1	.Open end spanner 18x19	
	268964009		1	.Open end spanner 24x26	
	268964010		1	.Open end spanner 27x32	
10	277992		1	.Tool bag	



Canopy

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	586018		28	Lock nut M10	
2	600008		28	Washer	
3	269288		1	Hood	
4	450089		4	Shock absorber	D
5	500030		24	Screw M10-1,5x35H 8,8	
6	266965		1	Frame	
7	266968		4	Column	
8	500115		8	Screw M8-1,25x90 8.8	
9	600006		8	Washer	
10	264269		2	Grab handle	
11	266960		8	Shim	
12	586003		8	Lock nut M8	



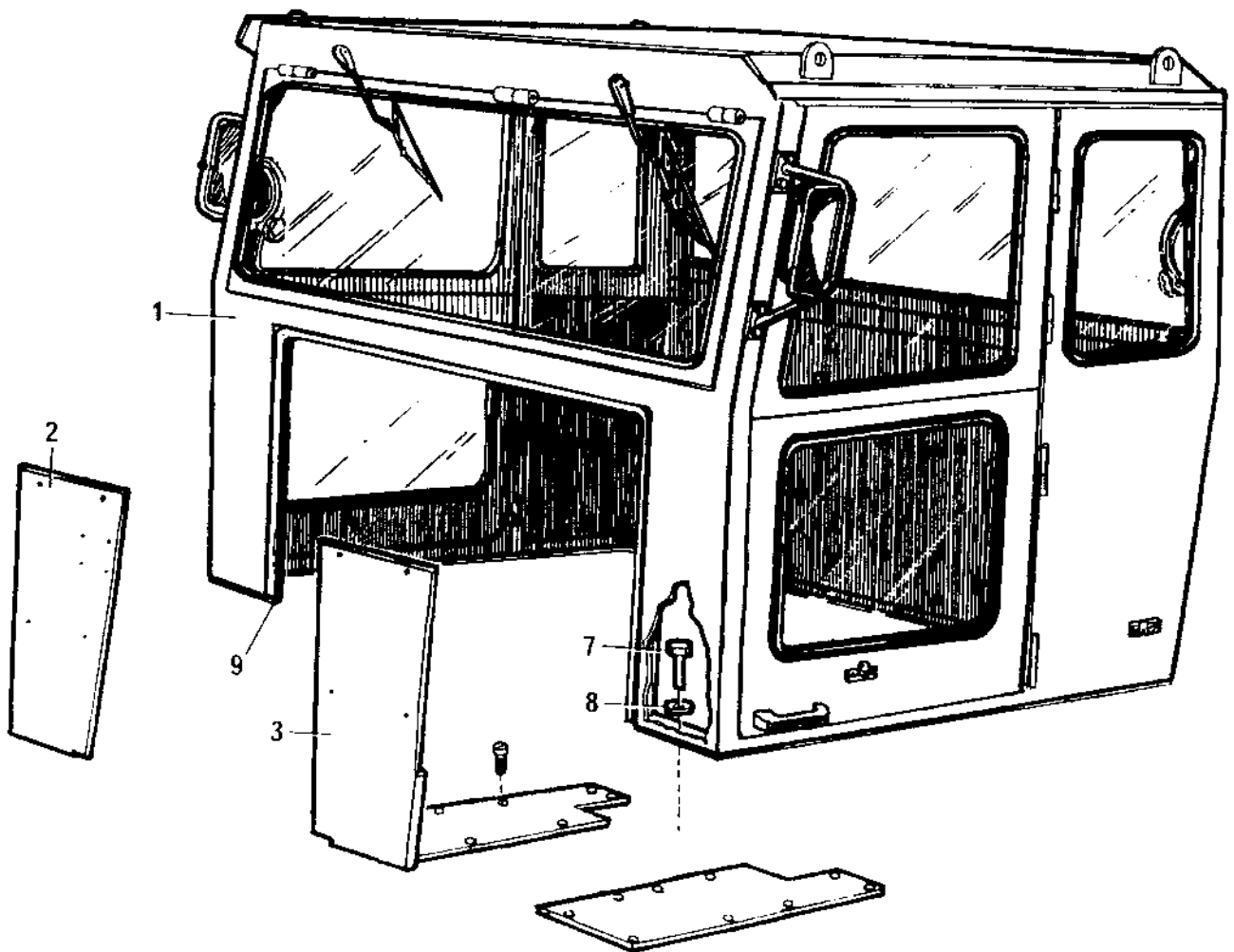
Canopy with glass fibre

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	586018		20	Lock nut M10	
2	600008		32	Washer	
3	266967		1	Roof	
4	450089		4	Shock absorber	D
5	500030		12	Screw M10-1,5x35H 8,8	
6	266965		1	Frame	
7	266968		4	Column	
8	500115		8	Screw M8-1,25x90 8.8	
9	600006		8	Washer	
10	264269		2	Grab handle	
11	266960		8	Shim	
12	586003		8	Lock nut M8	
13	929162		4	Screw full thread	
14	192768	A	2	Bracket	
	192769	B	2	Bracket	
15	615046		4	Conical spring washer	
16	570008		4	Nut	
17	192770		8	Spacer	
18	500028		12	Screw M10-1,5x25 8,8	

- A) Rear
B) Front

Cab assembly mounting

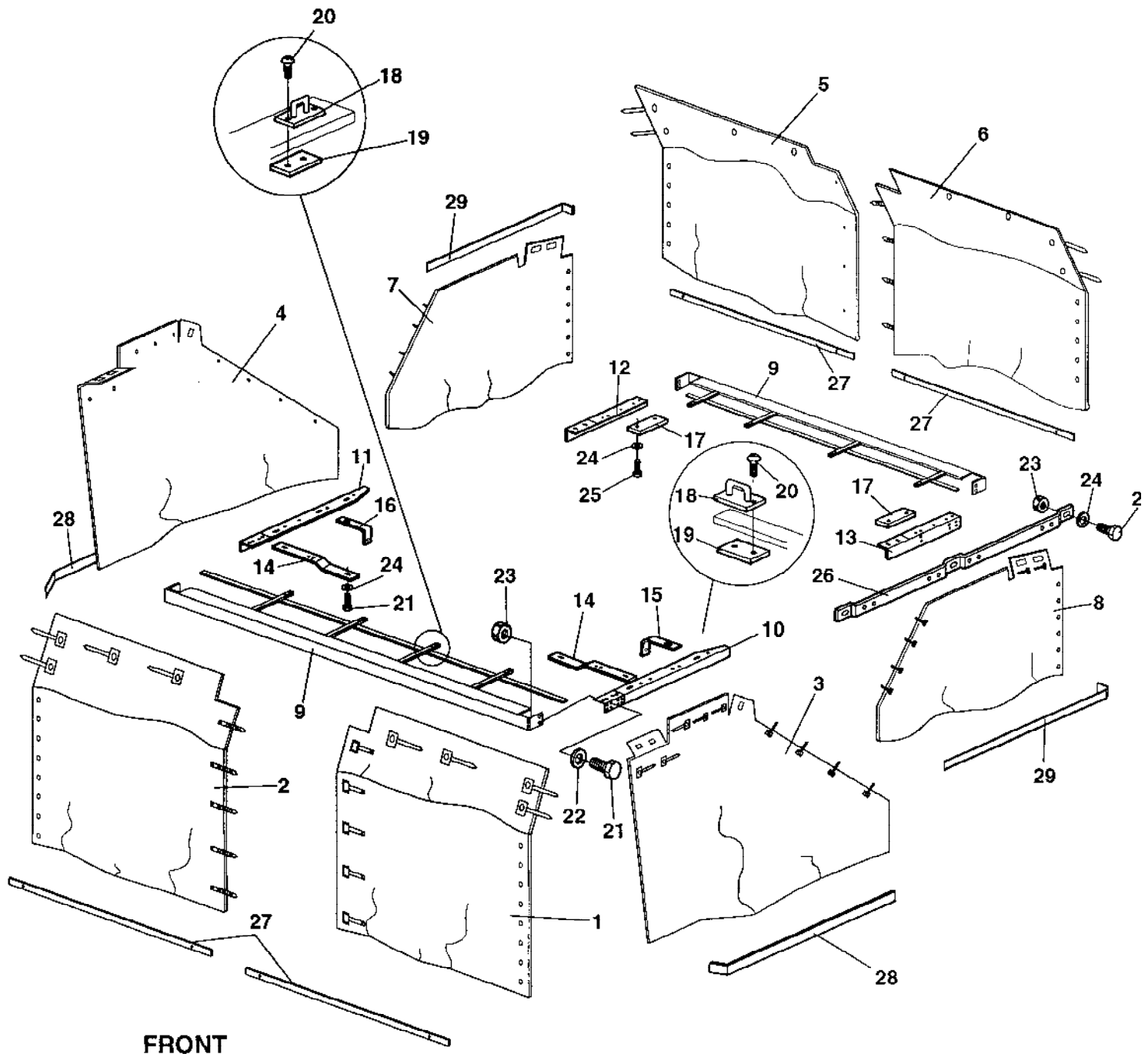
16277



Cab assembly mounting

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	264941		1	Cab, cpl	
2	193893		1	Cover	
3	193894		1	Cover	
7	500039		10	Screw	
8	600017		10	Washer	
9	202028	A	1	Edge trim	

A) L=1000 mm



Protecting cover

Ref. No.	Part No.	Rem.	Qty	Description	Code
1	381070		1	Protecting cover, Front	
2	381071		1	protection cover, Front	
3	381072		1	protection cover, Front left	
4	381073		1	Protecting cover, Front right	
5	381257		1	Protecting cover, rear	
6	381256		1	Protecting cover, rear	
7	381074		1	Protecting cover, rear right	
8	381075		1	Protecting cover, rear left	
9	381138		2	Protection cover stretcher	
10	381077		1	Protection cover stretcher	
11	381076		1	Protection cover stretcher	
12	380865		1	Cover stretcher	
13	380866		1	Cover stretcher	
14	381086		2	Bracket	
15	381085		1	Bracket	
16	381084		1	Bracket	
17	381133		2	Spacer	
18	901634		56	Retainer	
19	372265		56	Bracket	
20	904653		112	Screw	
21	500028		14	Screw M10-1,5x25 8,8	
22	904230		26	Washer 10,5x22x2	
23	586018		36	Lock nut M10	
24	904557		54	Washer 10,5x22x4	
25	500030		25	Screw M10-1,5x35H 8,8	
26	382561		6	Cover stretcher	
27	381271		4	Protection cover anchor	
28	381272		2	Protection cover anchor	
29	381273		2	Protection cover anchor	

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150017	89	191915	291	192065	99
150018	89	191916	291	192066	99
150038	35	191917	291	192067	99
151015	273	191918	291	192068	99
151021	223	191919	291	192069	99
160013	227	191920	291	192070	99
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190697	7	191944	7	192114	255
190722	225	191945	7	192115	255
190729	225	191946	7	192127	251
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190731	225	191951	91	192135	245
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190904	53,67	191954	89	192145	89
191072	89,93	191956	91	192146	251
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191512	9	191960	7	192159	93
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191648	109,129	191997	263	192189	89
191667	109	191998	263	192223	217
191669	9	191999	255,259	192227	111
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