



125A CANE LOADER (3 CYL & 4 CYL)

VIN # - AEB 409125 1R000042

VIN # - AEB 409125 1R000043

PARTS MANUAL



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Technical Documentation
BELL EQUIPMENT COMPANY
Richards Bay

IMPORTANT

Due to BELL's policy of continuous product improvement, the information contained in this manual was correct up to the time of printing (Issue date of manual). Any changes after this date will only be included in the next update of this manual.

Illustrations in this manual are pictorial representations of the component and are not drawn to scale.

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SECTION 1 GENERAL INFORMATION

BELL WARRANTY INFORMATION

INSTALLATION CERTIFICATES AND CUSTOMER QUESTIONNAIRE

INTRODUCTION

This manual has been produced to assist you in ordering of parts for the maintenance of your **BELL** machine.

The information contained in the manual is in a logical sequence. Each illustrated breakdown is supported with a parts list.

The parts manual has been produced by the Technical Documentation Department of **BELL EQUIPMENT Co.** Every effort has been made to ensure that the information in this manual was correct at the time of publication. **BELL EQUIPMENT Co.** has a policy of continuous product development, improvement and design. **BELL EQUIPMENT Co.** reserves the right to change, amend and update the design of its product at any time without prior notice. With this policy, changes may have occurred that are not included in this manual.

Whilst every endeavor has been made to provide accurate and reliable information, **BELL EQUIPMENT Co.** specifically disclaims any actual or implied warranty and under no circumstances shall be liable for any loss, damage or injury to person or property suffered, whether direct, or indirect or consequential, arising from the use of this manual. In particular and without detracting from the above, the disclaimer also applies in the event of any specification, warning, or representation contained in this manual being inadequate, inaccurate, or unintentionally misleading.

The user is urged to strictly comply with the instructions and warnings that are given in the interests of general safety. Please do not hesitate to contact your **BELL** Product Support Representative whenever you have a query on your **BELL** product or this manual. The address of your nearest **BELL** branch or dealer is as follows:-

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Garden ity	a : (1) 912 964 1594
GEORGIA	ell : (1) 912 667 0066 (Robin Pett)
GA 31408	Email: robinp belle uipment.com
SA	

DEALER

Please supply your dealer details here:

USER'S COMMENT FORM

Should you, as user of this manual, have any suggestion for improving the manual, or you find any errors or omissions, then we would like to know.

Please complete a facsimile of this form and hand it in to your nearest **BELL** Product Support Representative or post it directly to your nearest **BELL** Branch. Addresses are given at the beginning of this manual.

YOUR COMMENTS, SUGGESTIONS, OR QUERIES:

MACHINE MODEL:
SERIAL NUMBER:
VIN:
DOCUMENT PART NUMBER AND ISSUE:
PAGE NUMBER:

DOES THE MANUAL MEET YOUR NEEDS ?	YES	NO
DID YOU FIND THE INFORMATION ACCURATE ?	YES	NO
DID YOU FIND THE INFORMATION EASY TO READ AND UNDERSTAND ?	YES	NO
DID YOU FIND THE INFORMATION EASY TO RETRIEVE ?	YES	NO
DID YOU FIND THE INFORMATION WELL ILLUSTRATED ?	YES	NO

NAME:
COMPANY:
TITLE:
ADDRESS:
TELEPHONE NUMBER:

Thank you for your co-operation.

[illegible]

LIST OF ABBREVIATIONS

ADE	Atlantic Diesel Engines	GAL/min	Gallon Per Minute
C	Degree Celsius	Gr	Grade
	Ohm	hex	Hexagonal
A	Ampere	HT	High Tensile
A/R	As Required	hz	Hertz
AC	Alternating Current	ID	Internal Diametre
Ah	Ampere Hours	in	Cubic Inch
API	American Petroleum Institute	incl	Including
approx	Approximately	ISO	International Organisation of Standards
Apr	April	Jan	January
assy	Assembly	JIC	Joint Industry Conference Standards
ATDC	After Top Dead Centre	Jul	July
Aug	August	Jun	June
BHP	Brake Horse Power	kg	Kilogram
BSP	British Standard Pipe	km/h	Kilometre Per Hour
BTDC	Before Top Dead Centre	kPa	Kilopascal
CGA	Compressed Gas Association Inc	kW	Kilowatt
CO	Carbon Dioxide	l/min	Litre Per Minute
CTD	Control Traction Differential	lb	Pound
db	Decibels	LED	Light Emitting Diode
DBH	Diametre at Breast Height	LH	Left Hand
DC	Direct Current	lube	Lubrication
Dec	December	m	Metre
deg or	Degree	m	Cubic Metre
dia	Diametre	mA	Miliampere
diff	Differential	Mar	March
E.G.S.	Electronic Gear Shifting	max	Maximum
ext	Extension	min	Minimum
Feb	February	mm	Millimetre
FMC	Front Mount Cab	mm	Cubic Milimetre
ft lb	Foot Pound	MPa	Megapascal
FWD	Forward	N	Newton

Nm	Newton Metre	SAE	Society of Automotive Engineers
No.	Number	Sep	September
Nov	November	SMC	Side Mounted cab
N/O	Normally Open	SMR	Service Metre Reading
NPT	National Pipe Thread	std	Standard
NSI	Non Stock Item	strt	Straight
Oct	October	TBN	Total Base Number
OD	Outside Diametre	TDC	Top Dead Centre
P/N	Part Number	temp	Temperature
press	Pressure	thru	Through to and Including
psi	Pound per Square Inch	UNC	Unified National Coarse
PTO	Power Take Off	USGAL	United States Gallon (3.7854 litre)
Qty	Quantity	V	Volt
REV	Reverse	W	Watt
rev/min	Revolutions Per Minute	W/O	With out
RH	Right Hand	ZF	Zahnradfabrik Passau Gmbh
RSG	Recommended Service Guide		
SABS	South African Bureau of Standards		

ORDERING OF PARTS

To facilitate the ordering of parts, the following information is required to determine the correct part for your **BELL** product.

1. The model and serial number of your **BELL** product.
2. The serial number of the relevant assembly.
3. The part number.
4. The section, page and item number where the part appears in the parts manual.
5. The quantity required.
6. Your order number.
7. The delivery address.
8. The method of delivery.

Any other information which will assist us in getting the parts to you with the least amount of trouble or delay should be given. This information will be noted and filed for future reference.

MACHINE DIMENSION

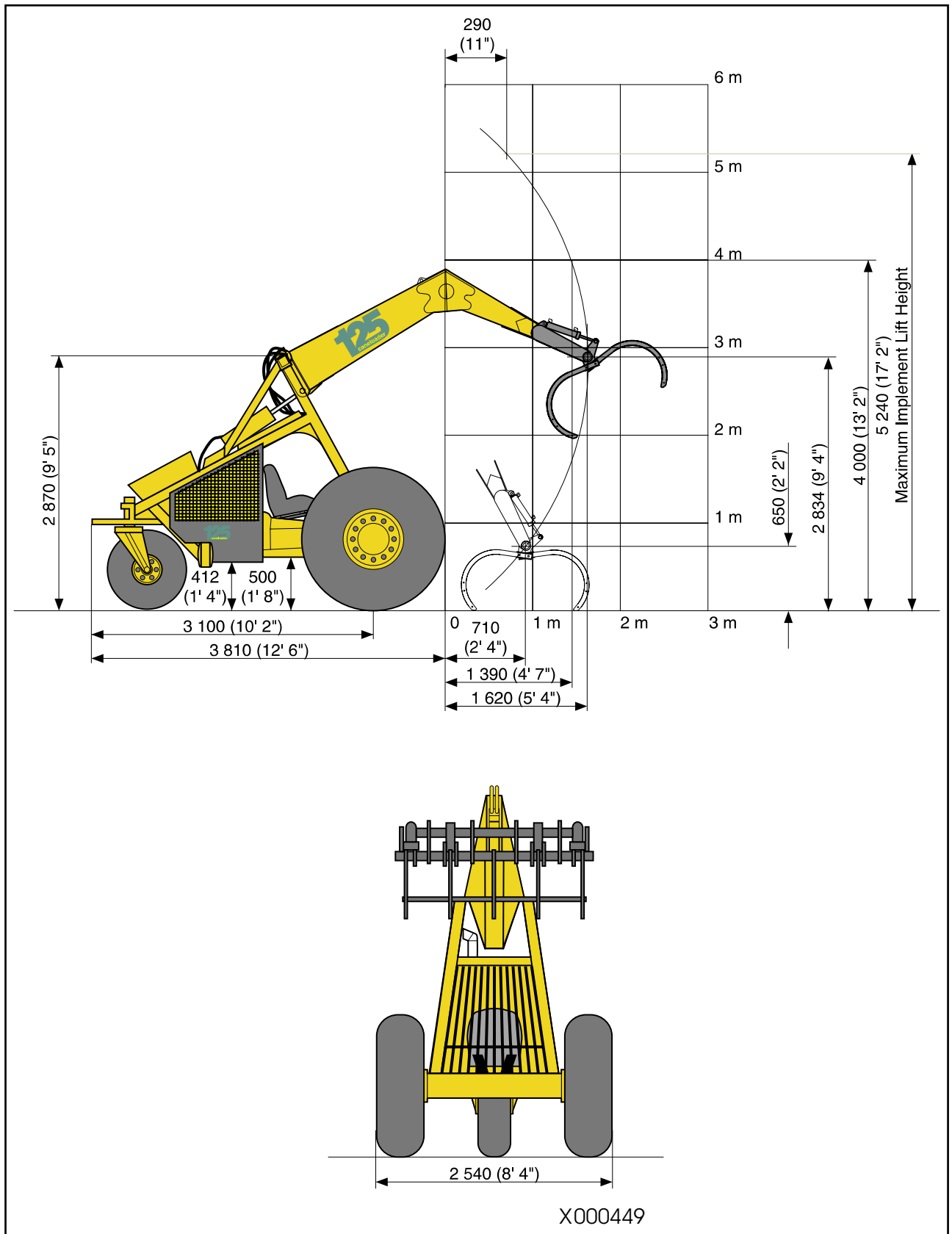


Figure 1

SERIAL NUMBER PLATES

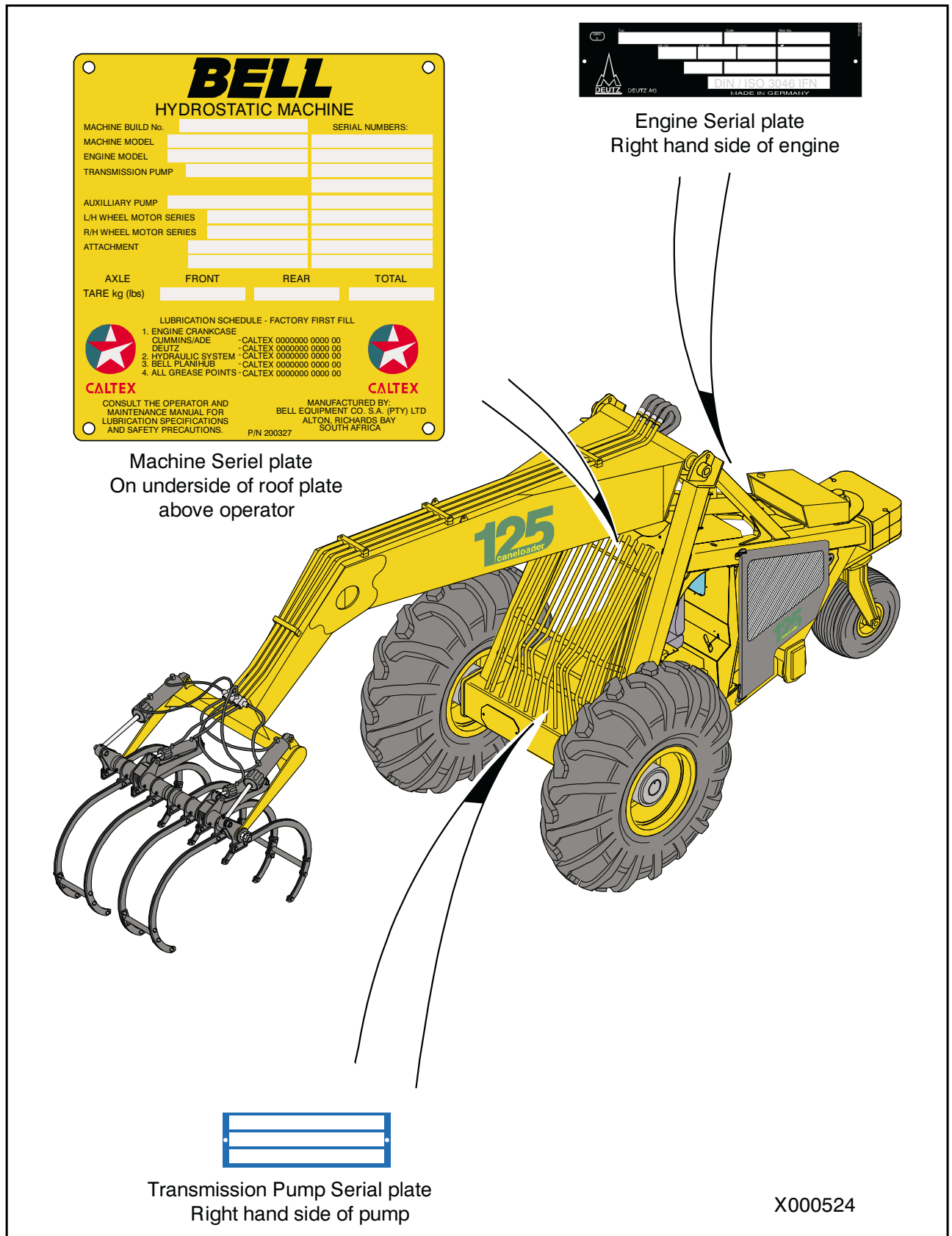


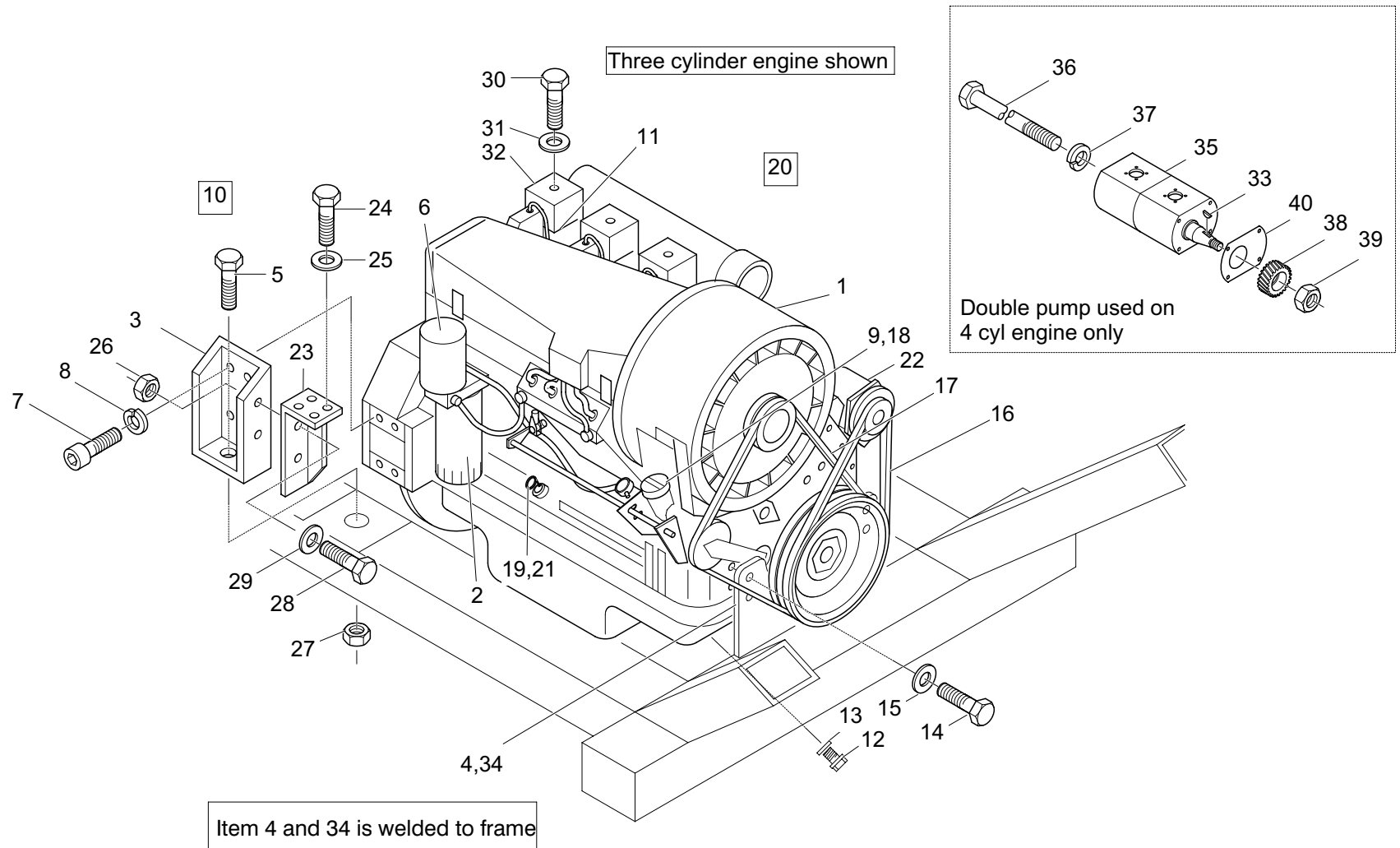
Figure 2

SERVICE KITS

100 HR	360440
250 HR	360441
500 HR	360440
750 HR	360441
1000 HR	360444

SECTION 2. ENGINE

ENGINE AND MISCELLANEOUS PARTS



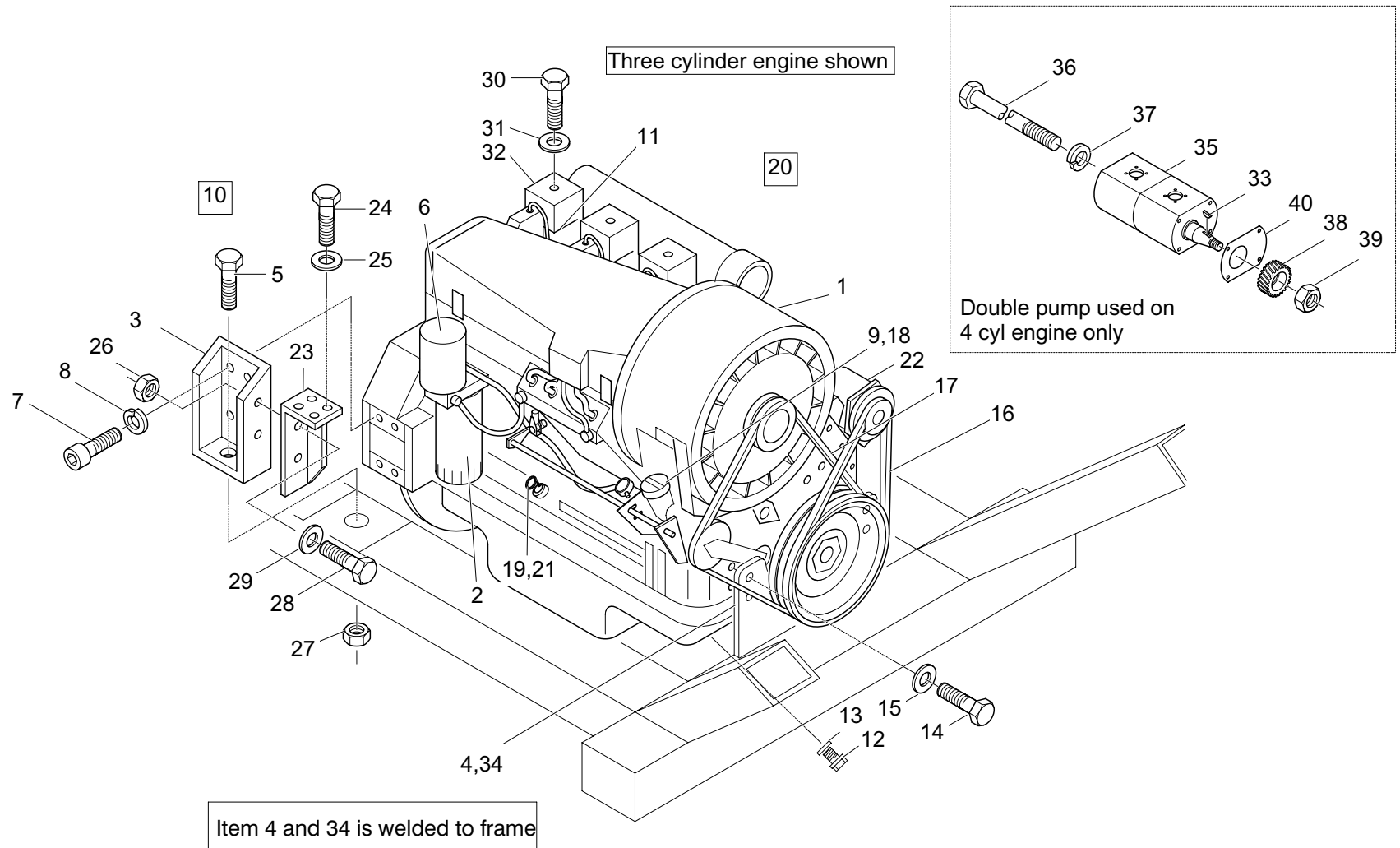
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ENGINE AND MISCELLANEOUS PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	250414	1	ENGINE, Deutz (F3L912)	
1	250401	1	ENGINE, Deutz (F4L912)	Not illustrated
2	220047	1	FILTER, Oil	
3	180122	2	BRACKET, Mounting, Engine	
4	177132	1	MOUNT, Rear, Engine	4 cyl
5	100156	2	SCREW, Hex. Head	
6	220048	2	FILTER, Fuel	
7	100123	10	SCREW, Cap	
8	100044	8	WASHER, Spring	
9	D1236290	1	GASKET	
10	200168	1	SWITCH, Engine Oil Pressure	Not illustrated
11	D4232124	3	GASKET	4 used on 250401 4 cyl engine
12	170845	1	PLUG, Drain	Only 1 used on rear of 4 cyl engine
12	D1220240	2	PLUG, Drain	On 3 cyl engine only
13	D1118783	1	WASHER	
14	DC100115	4	BOLT	
15	101335	4	WASHER	
16	200169	1	BELT, Drive, Alternator	
17	200073	1	BELT, Drive, Fan	
18	D1236291	1	CAP, Oil Filter	
19	D1176382	1	DIPSTICK	4Cyl
19	D1176369	1	DIPSTICK	3Cyl
20	290010	1	STARTER	Not Illustrated
21	D1174311	1	O RING	
22	290007	1	ALTERNATOR	
22	290285	1	ALTERNATOR	Optional
23	181269	1	BRACKET	Mounted to RHS engine mount bracket only
24	100386	4	SCREW, Hex. Head	
25	100147	4	WASHER, Flat	
26	100316	2	NUT, Nyloc	
27	100323	2	NUT, Nyloc	
28	100211	2	SCREW, Hex. Head	
29	100148	4	WASHER, Flat	
30	D1112339	3	BOLT, Hex. Head	4 used on 250401 4 cyl engine
31	D1216307	3	WASHER, Sealing	4 used on 250401 4 cyl engine
32	D4231430	3	COVER	4 used on 250401 4 cyl engine

ENGINE AND MISCELLANEOUS PARTS



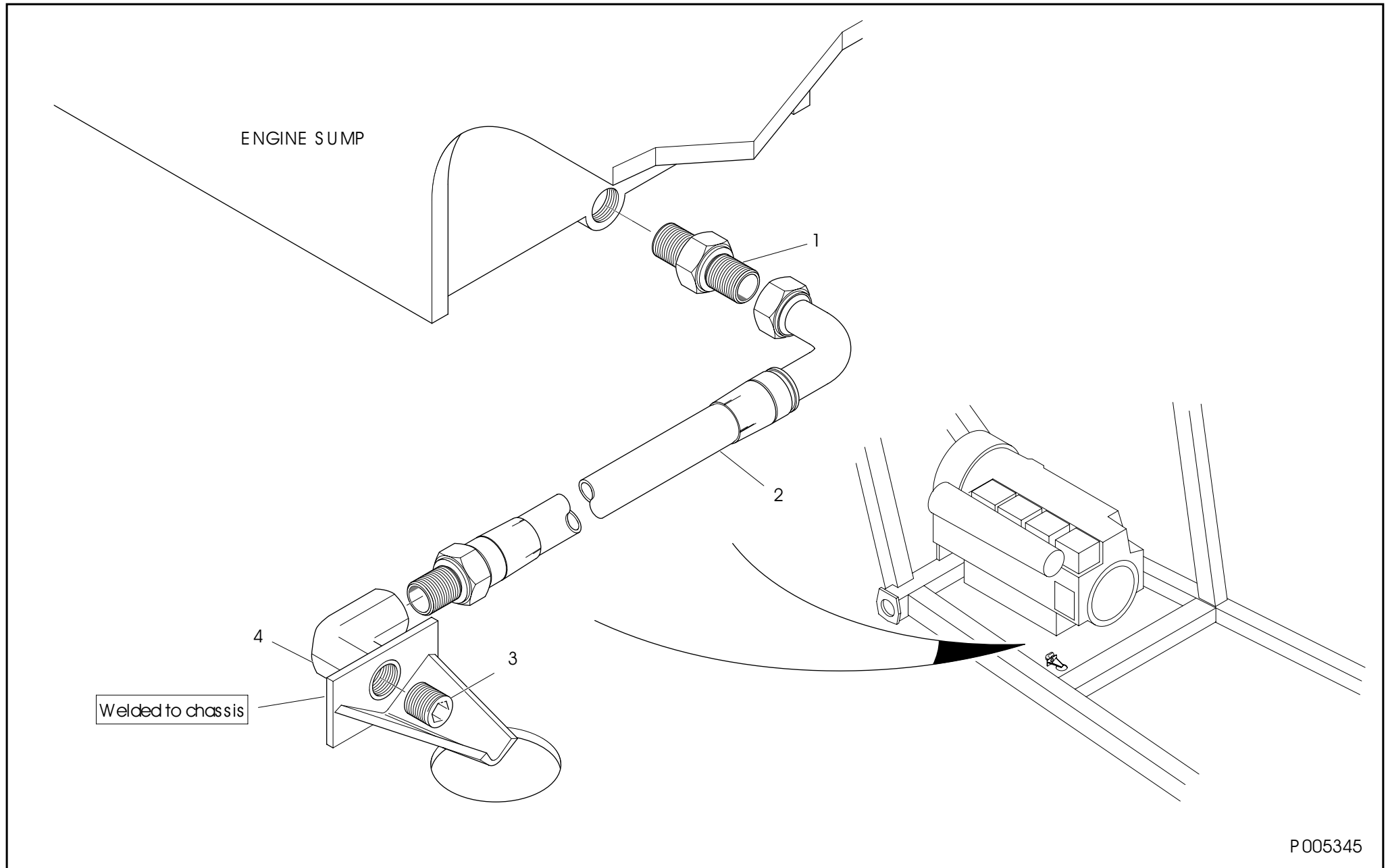
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ENGINE AND MISCELLANEOUS PARTS

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ENGINE DRAIN ASSEMBLY (4 CYL ONLY)

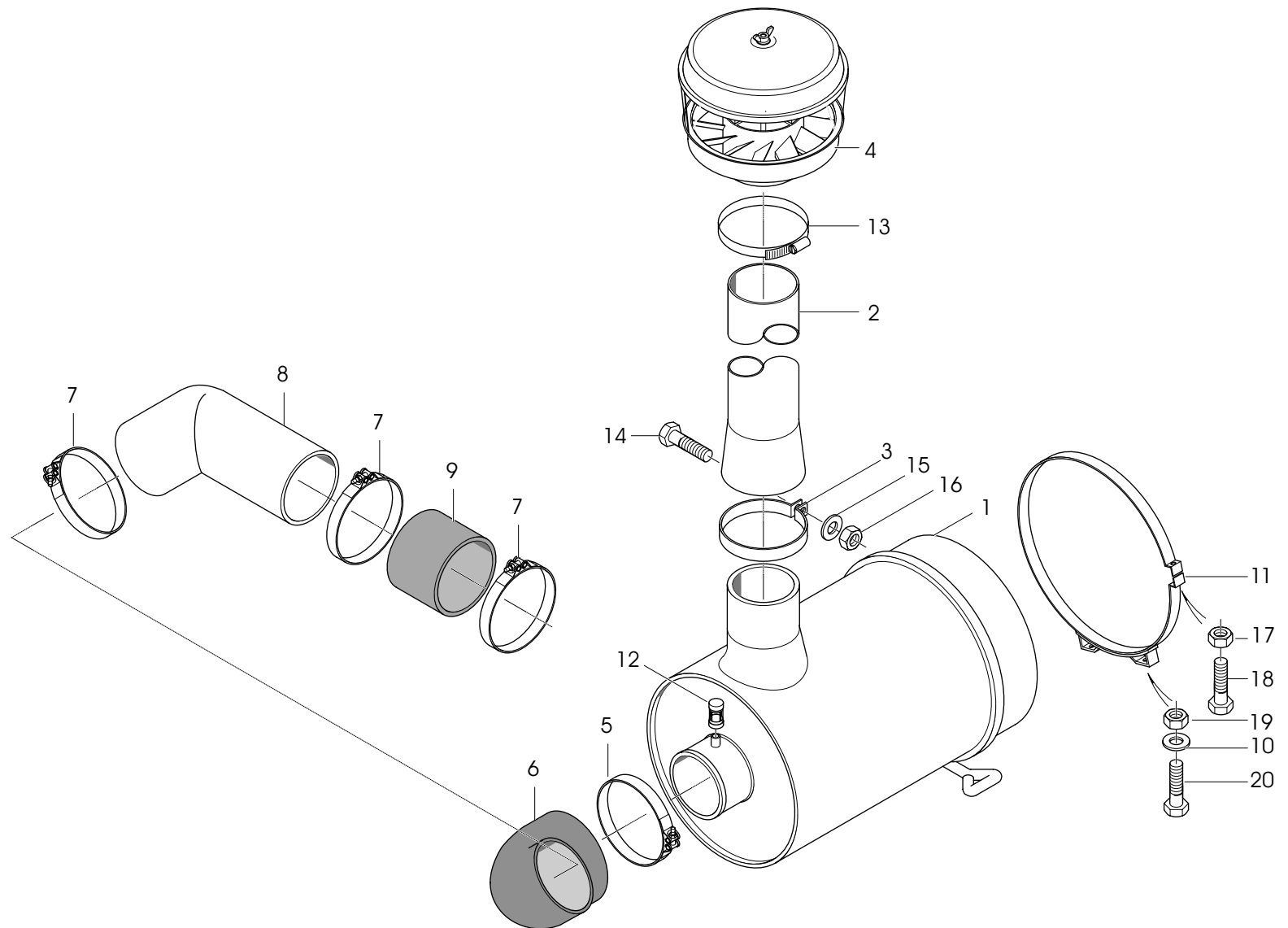




ENGINE DRAIN ASSEMBLY (4 CYL ONLY)

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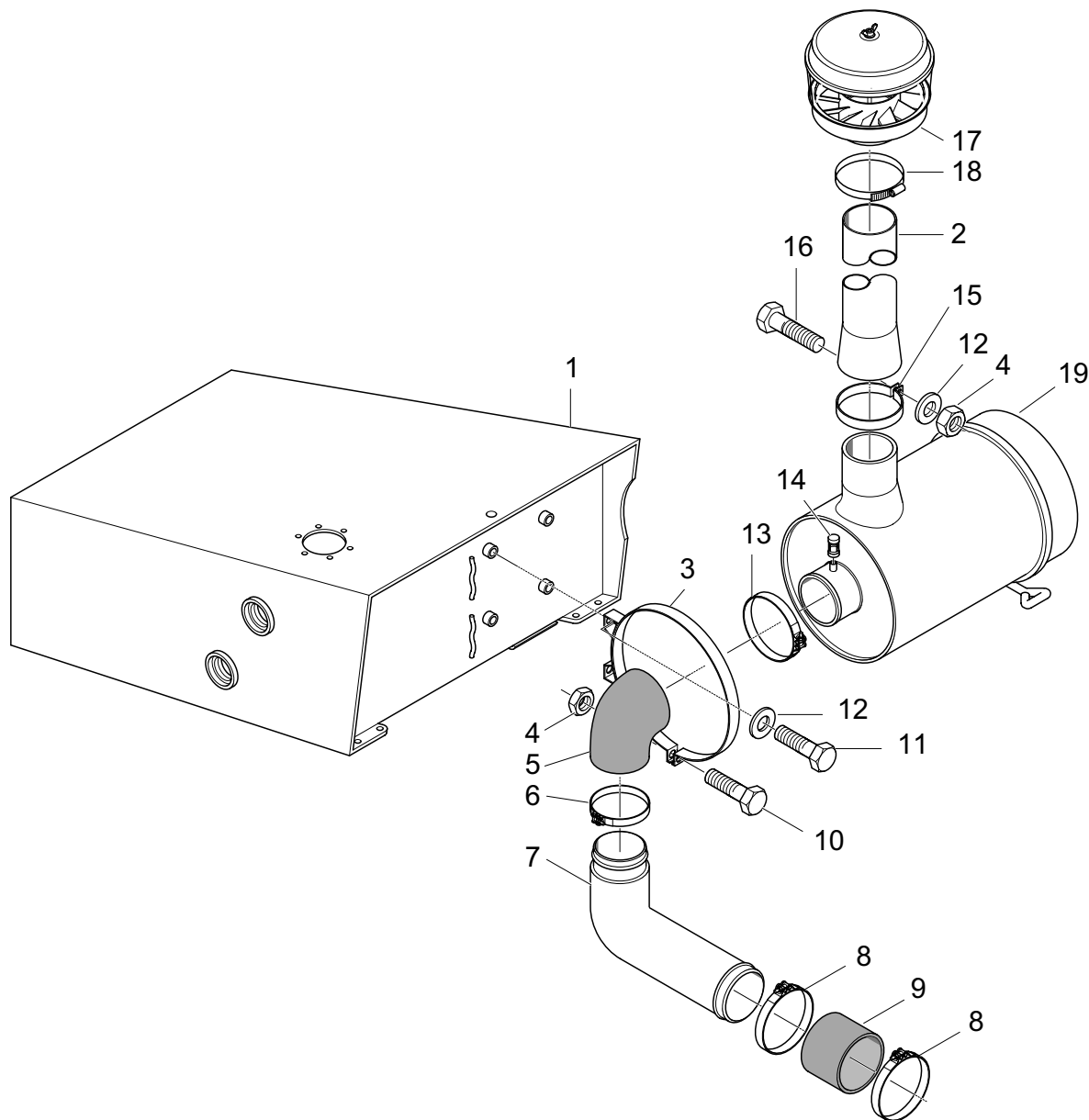
AIR CLEANER SYSTEM (3 CYL)



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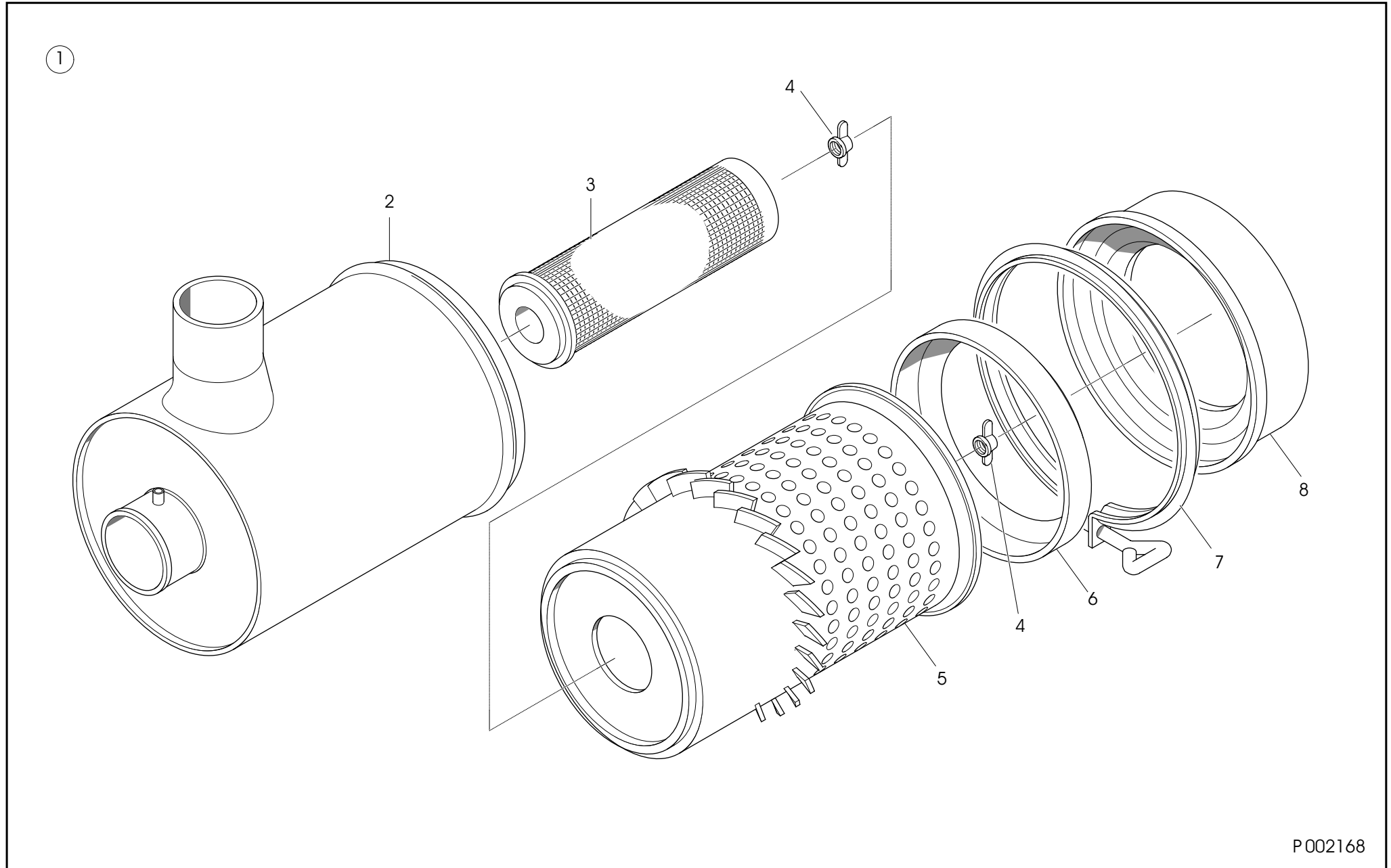
AIR CLEANER SYSTEM (4 CYL)



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AIR CLEANER (8 INCH "LONG")

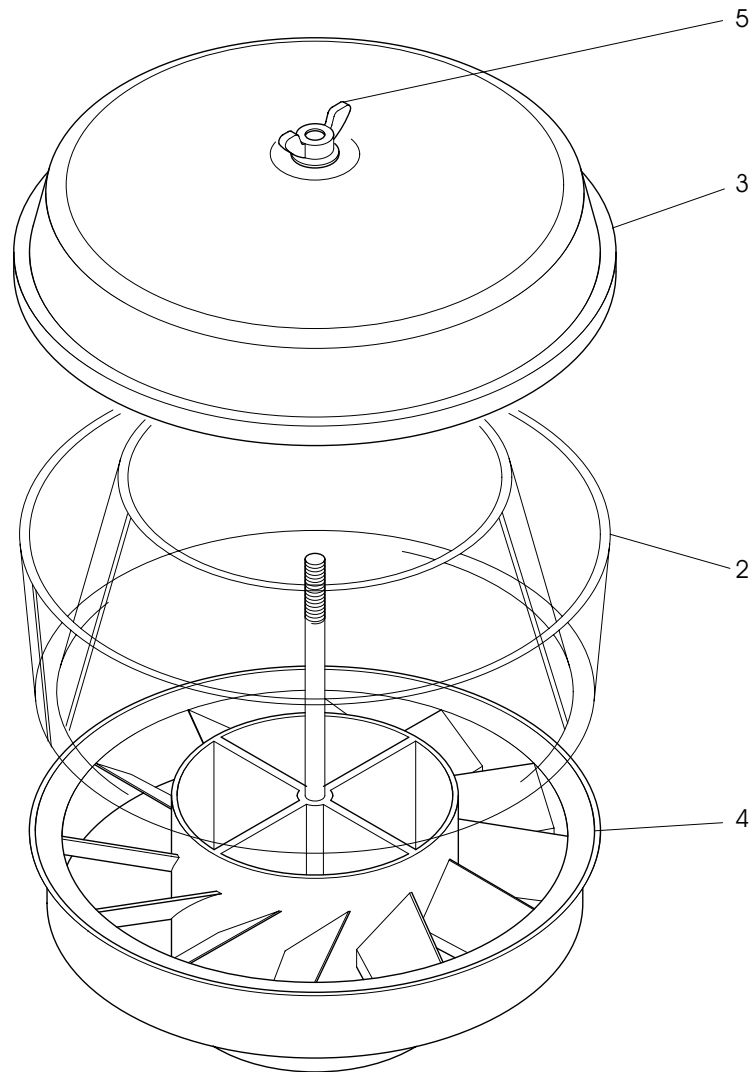


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PRE CLEANER

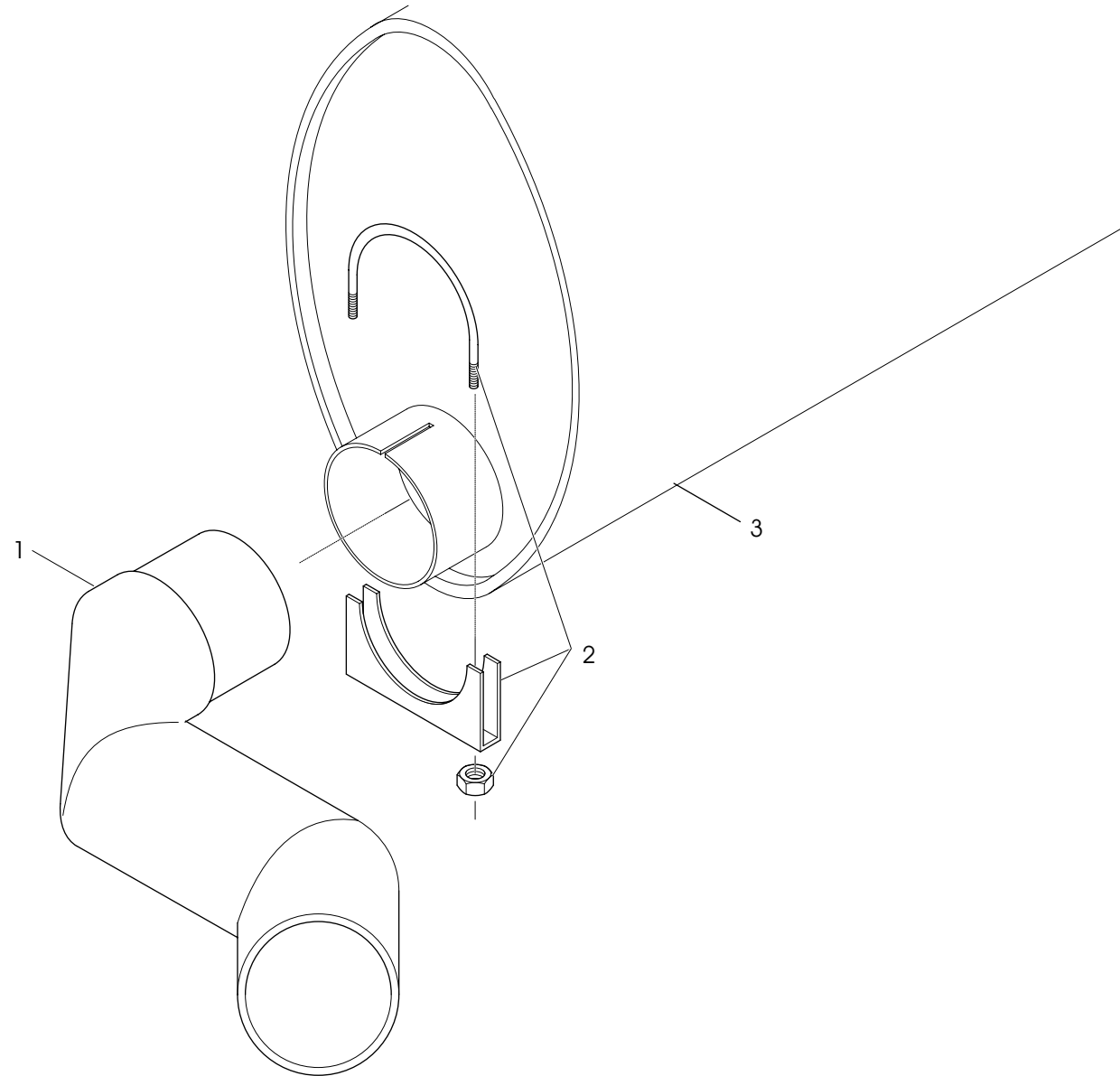
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EXHAUST SYSTEM (3 CYL)



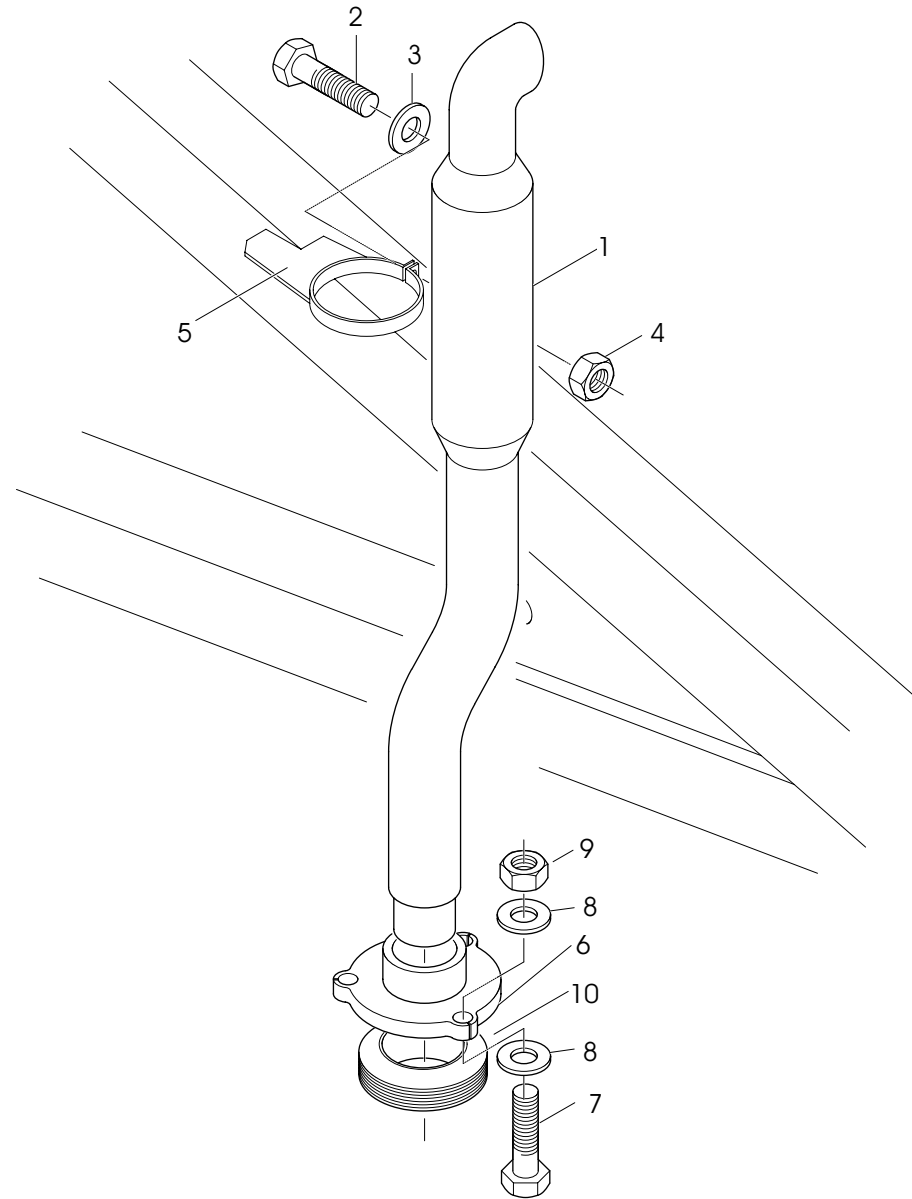
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EXHAUST SYSTEM (3 CYL)

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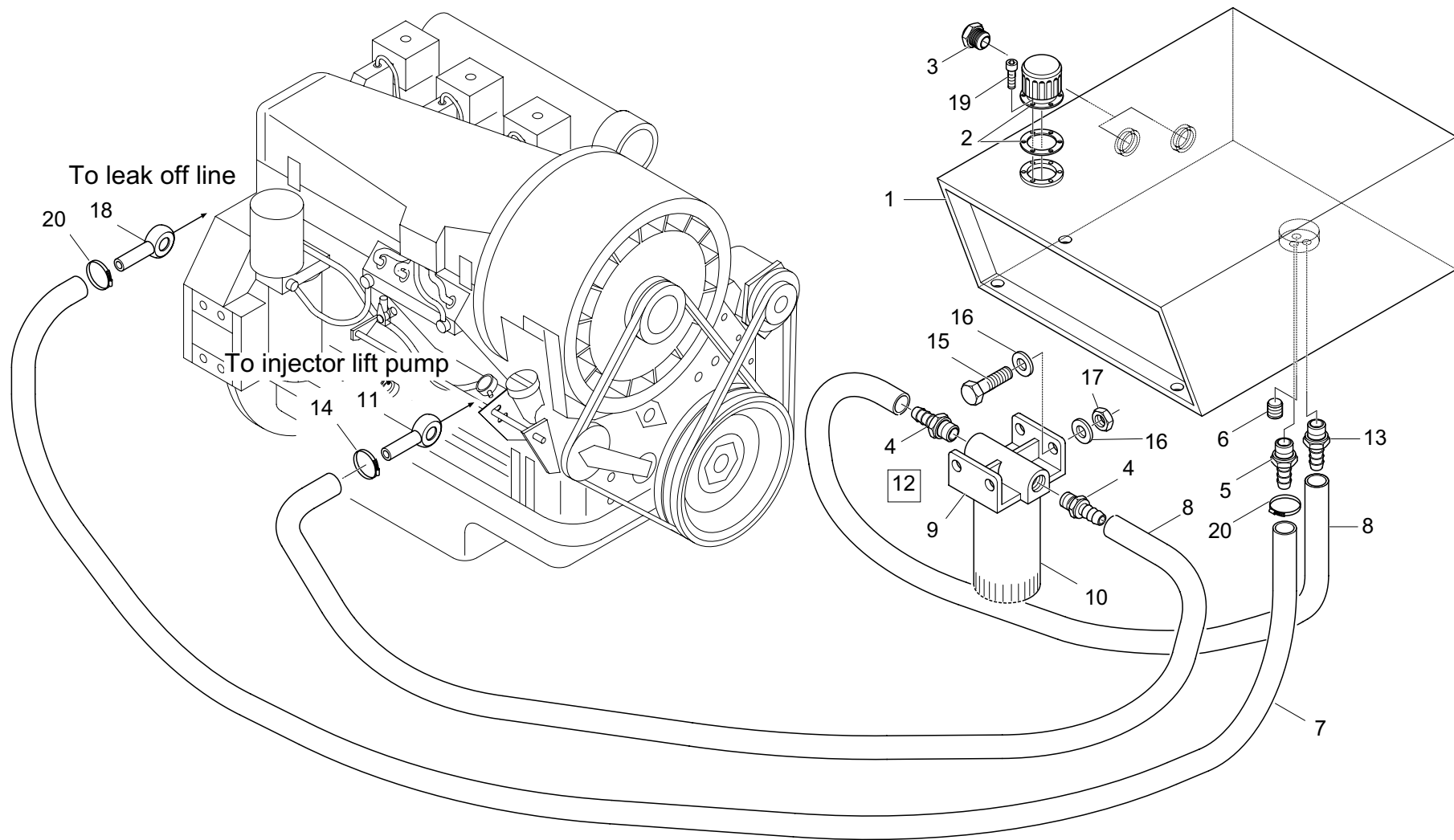
EXHAUST SYSTEM (4 CYL)



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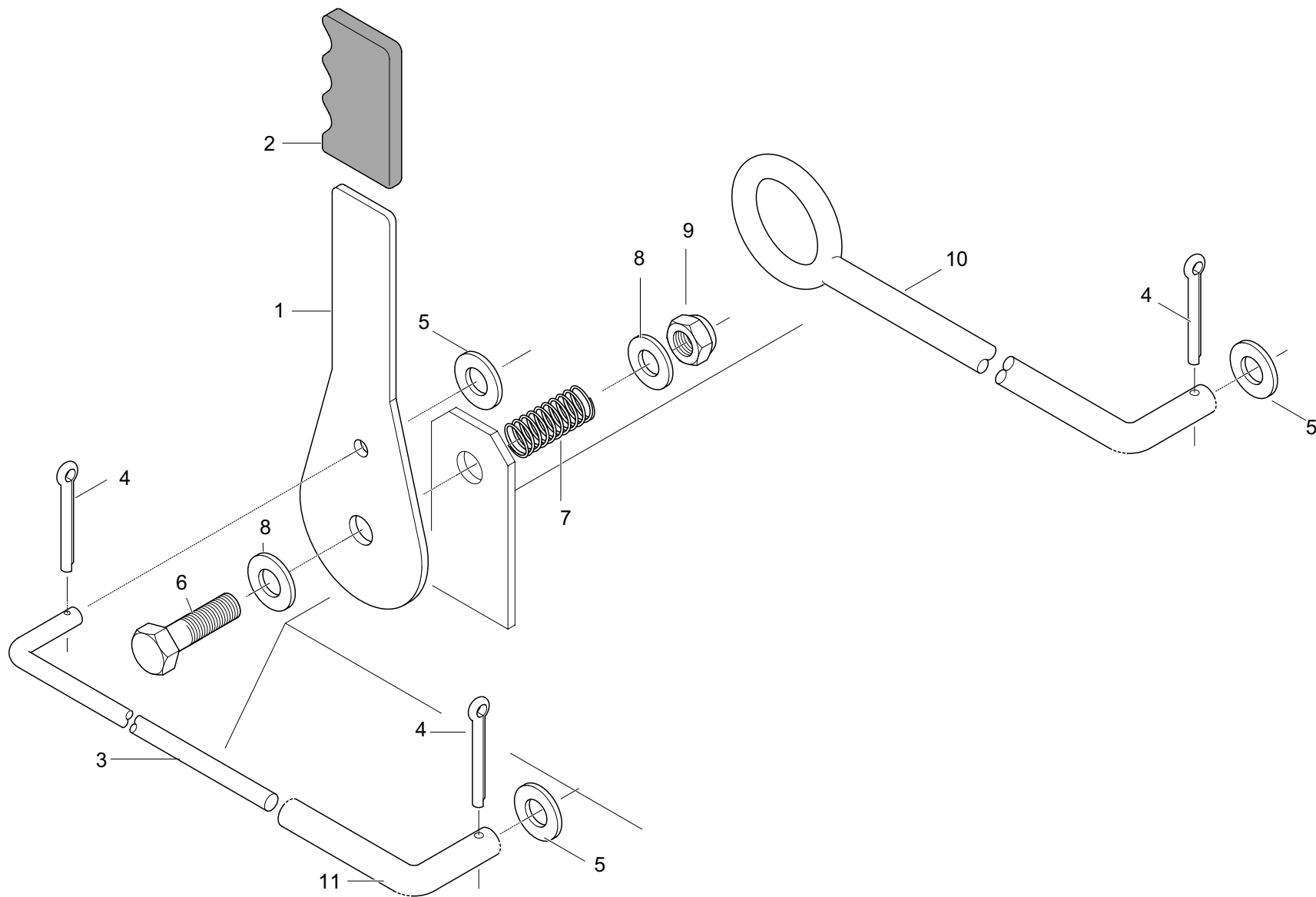
FUEL SYSTEM



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THROTTLE AND CUT OUT CONTROL

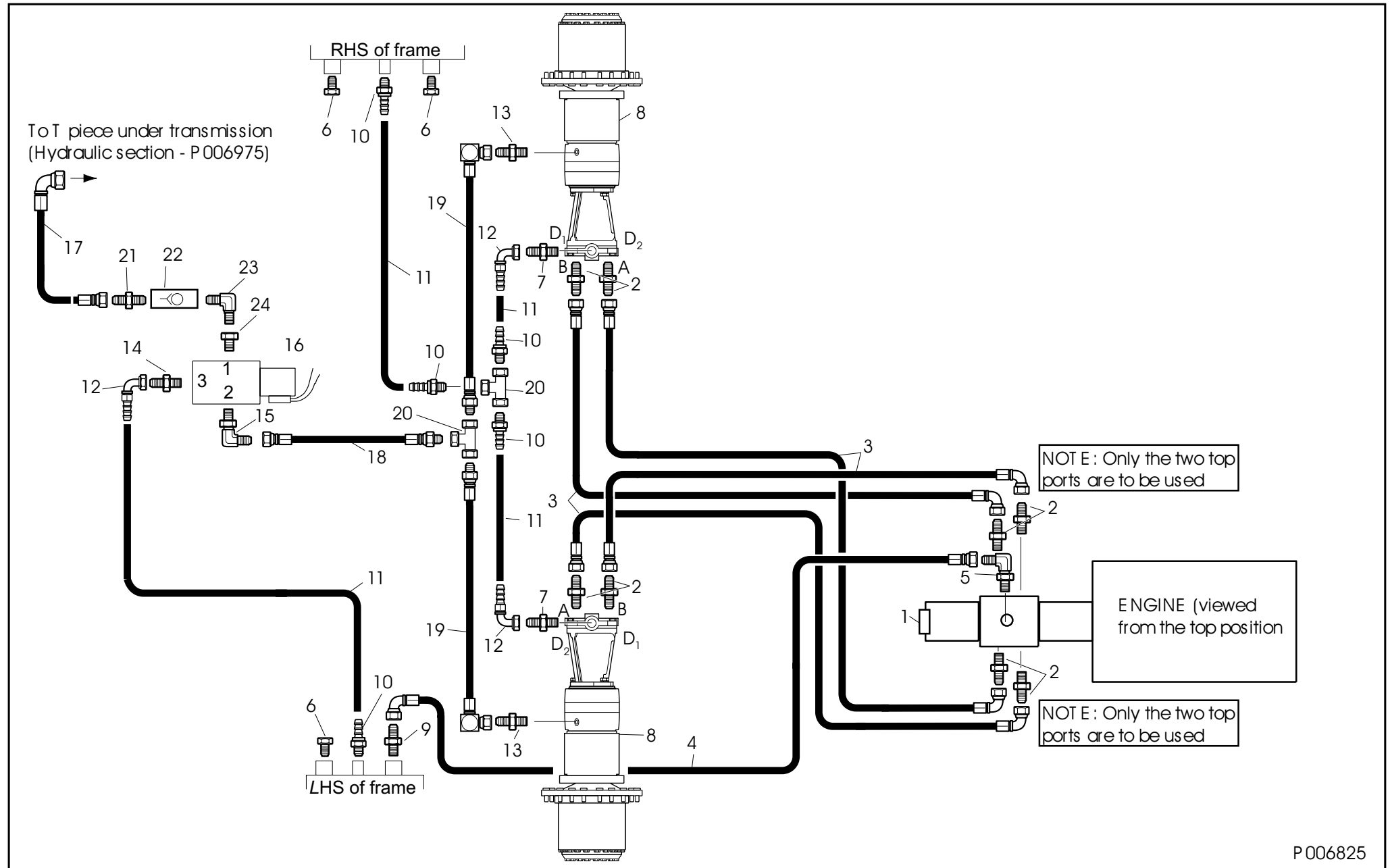


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SECTION 3. POWER TRAIN

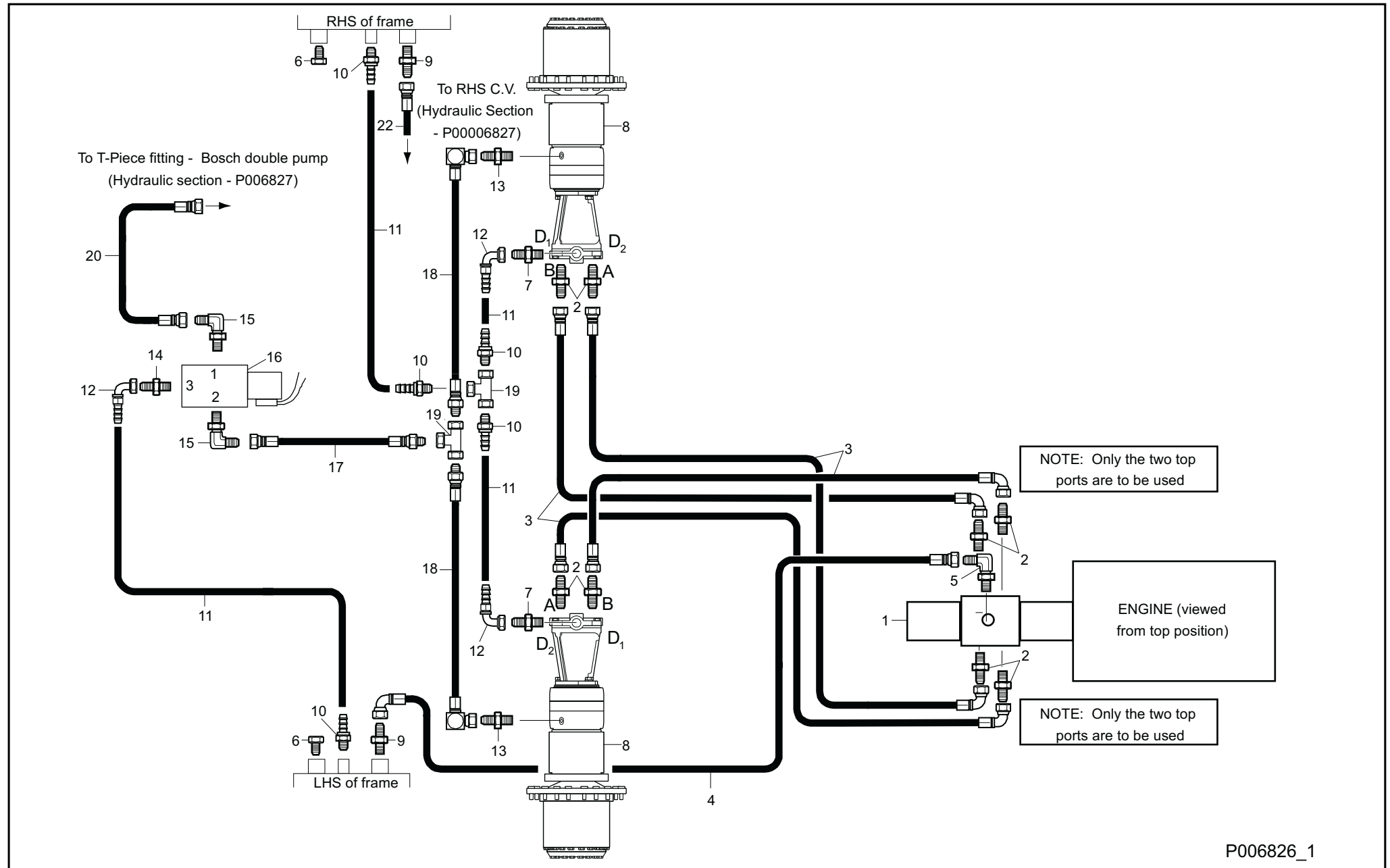
TRANSMISSION SYSTEM (3 CYL)



P 006825

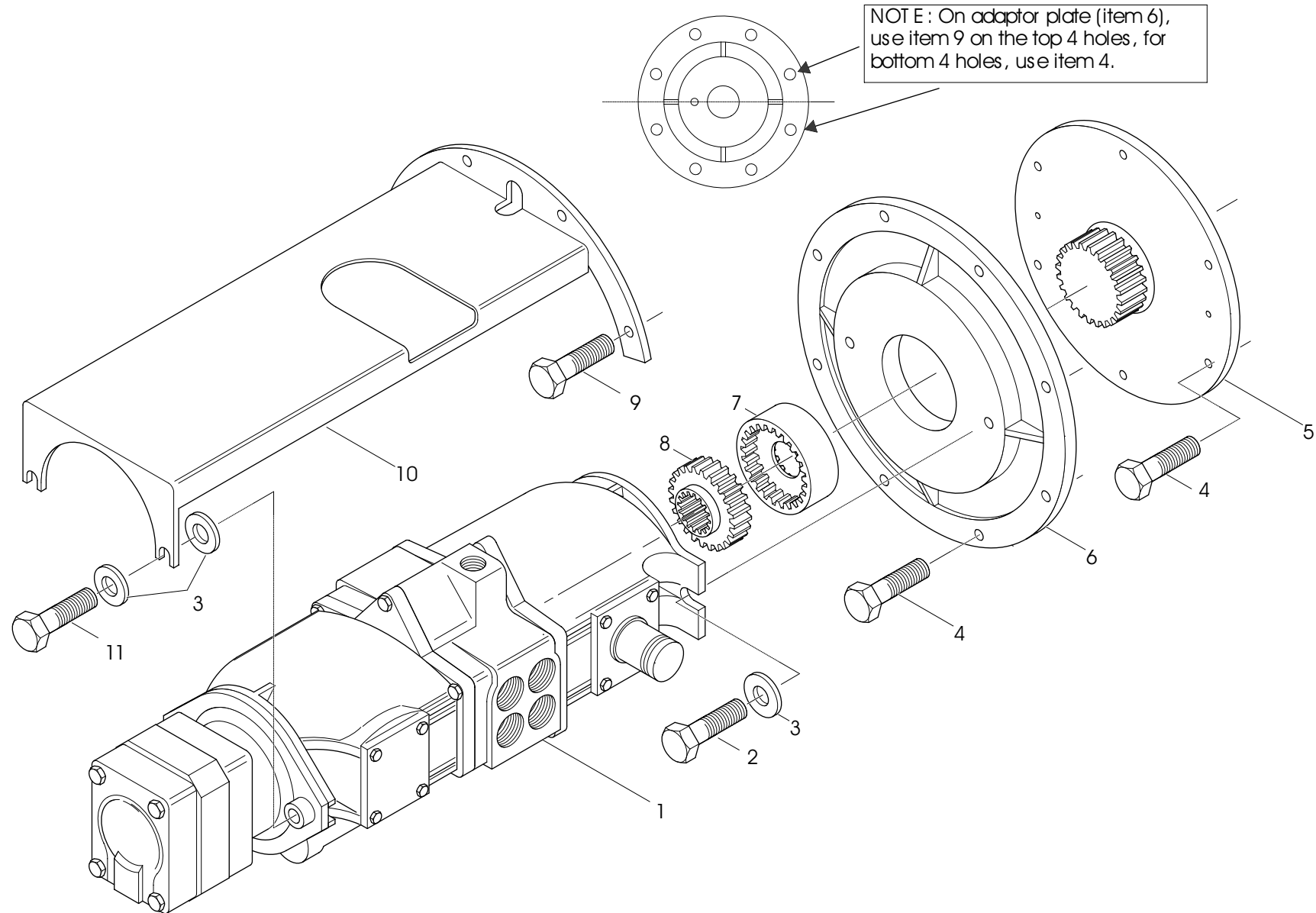
[illegible]

TRANSMISSION SYSTEM (4 CYL)



[illegible]

TRANSMISSION PUMP MISCELLANEOUS PARTS

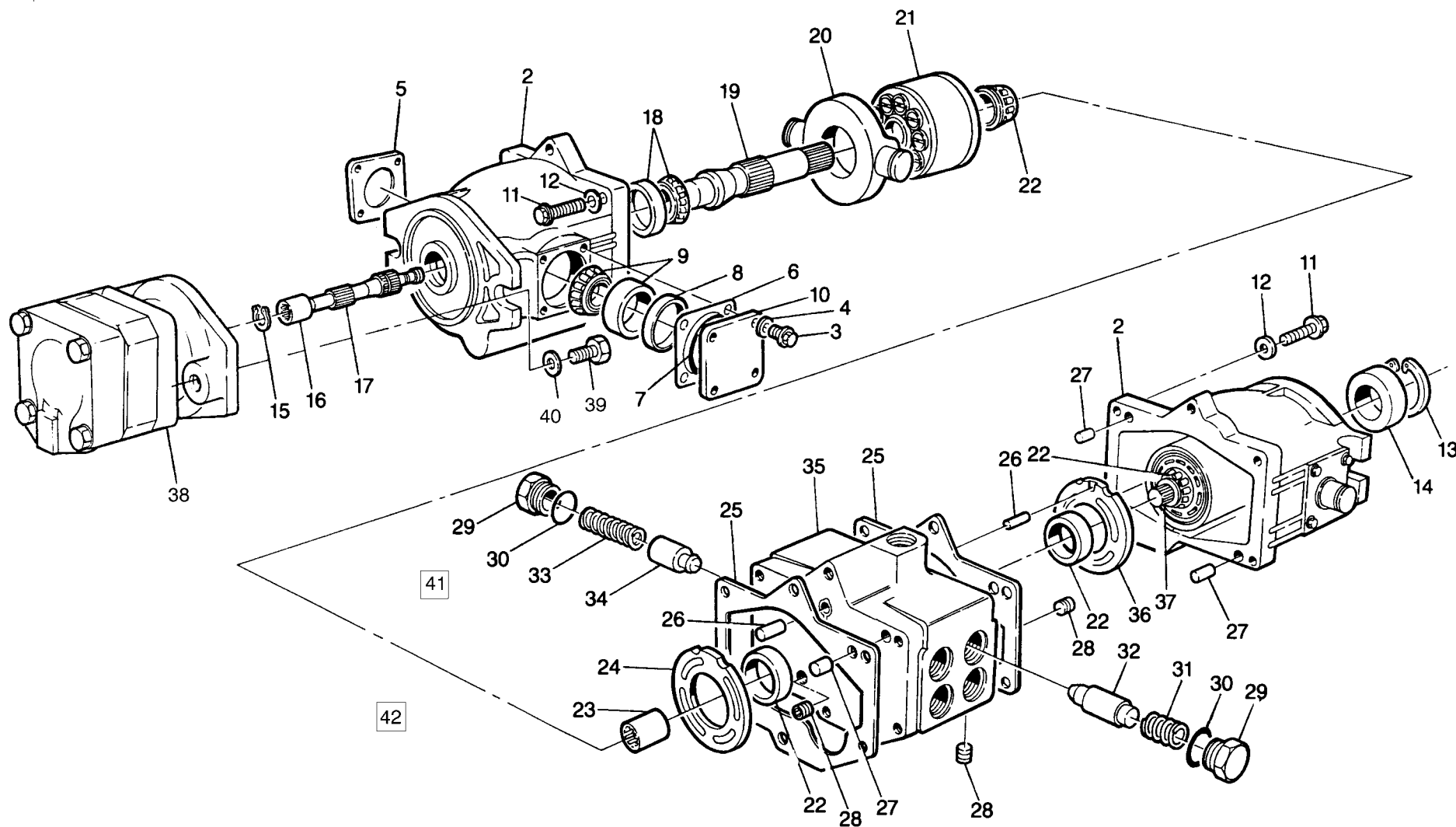


P 005201

[illegible]

TRANSMISSION PUMP (4 500 PSI)

1



P001369

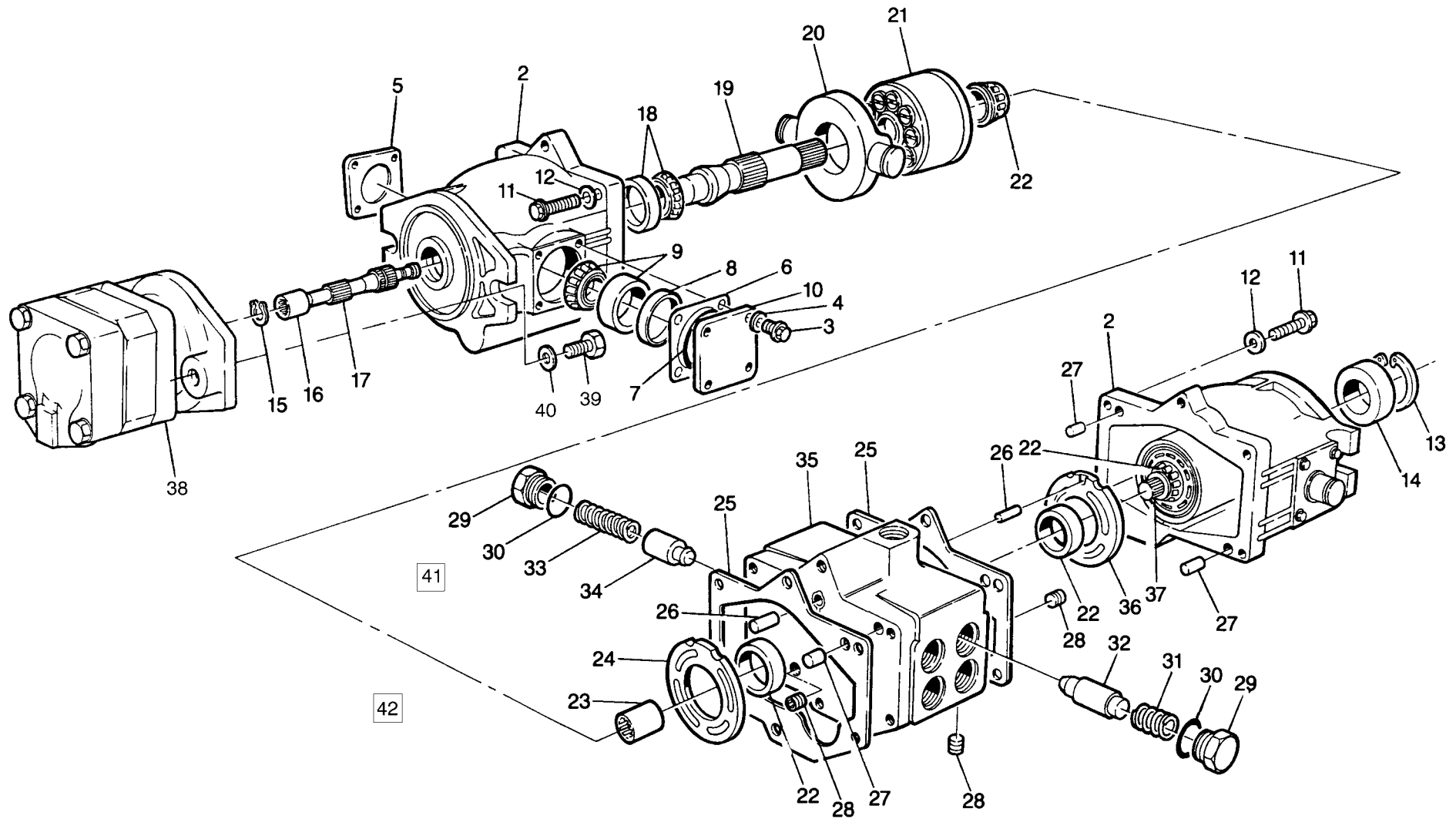


TRANSMISSION PUMP (4 500 PSI)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	210035	1	TRANSMISSION PUMP (4 500 PSI)	
2	220306	2	HOUSING	
3	100005	16	SCREW, Hex. Head	
4	100054	16	WASHER, Spring	
5	220305	2	COVER, Pintle	
6	220302	4	SHIM	
7	140147 *	4	O RING	
8	220303	4	SPACER, Pintle Bearing	
9	150023	4	BEARING, Pintle	
10	220301	2	COVER	
11	100240	12	SCREW, Cap	
12	100060	12	WASHER, Spring	
13	220304	1	RING, Retaining	
14	220337	1	SEAL, Shaft, Front	
15	220344	1	RING, Retaining	
16	220345	1	COUPLING	
17	220354	1	SHAFT	
18	150021	2	BEARING, Cup and Cone	
19	220332	1	SHAFT, Intermediate	
20	220308	2	YOKE	
21	220356	2	ROTATING RING ASSY	
22	150024	2	BEARING, Cup and Cone	
23	220322	1	COUPLING	
24	220321	1	PLATE, Wafer, RH	
25	220307 *	2	GASKET	
26	220324	2	PIN	
27	220323	4	PIN	
28	220328	3	PLUG	
29	220325 *	5	PLUG	
30	140062	5	O RING	
31	220330	4	SPRING	
32	210351	4	VALVE, Relief, 4 500 psi	
33	220326	1	SPRING	
34	220327	1	POPPET	
35	220329	1	BLOCK, Valve	

TRANSMISSION PUMP (4 500 PSI)

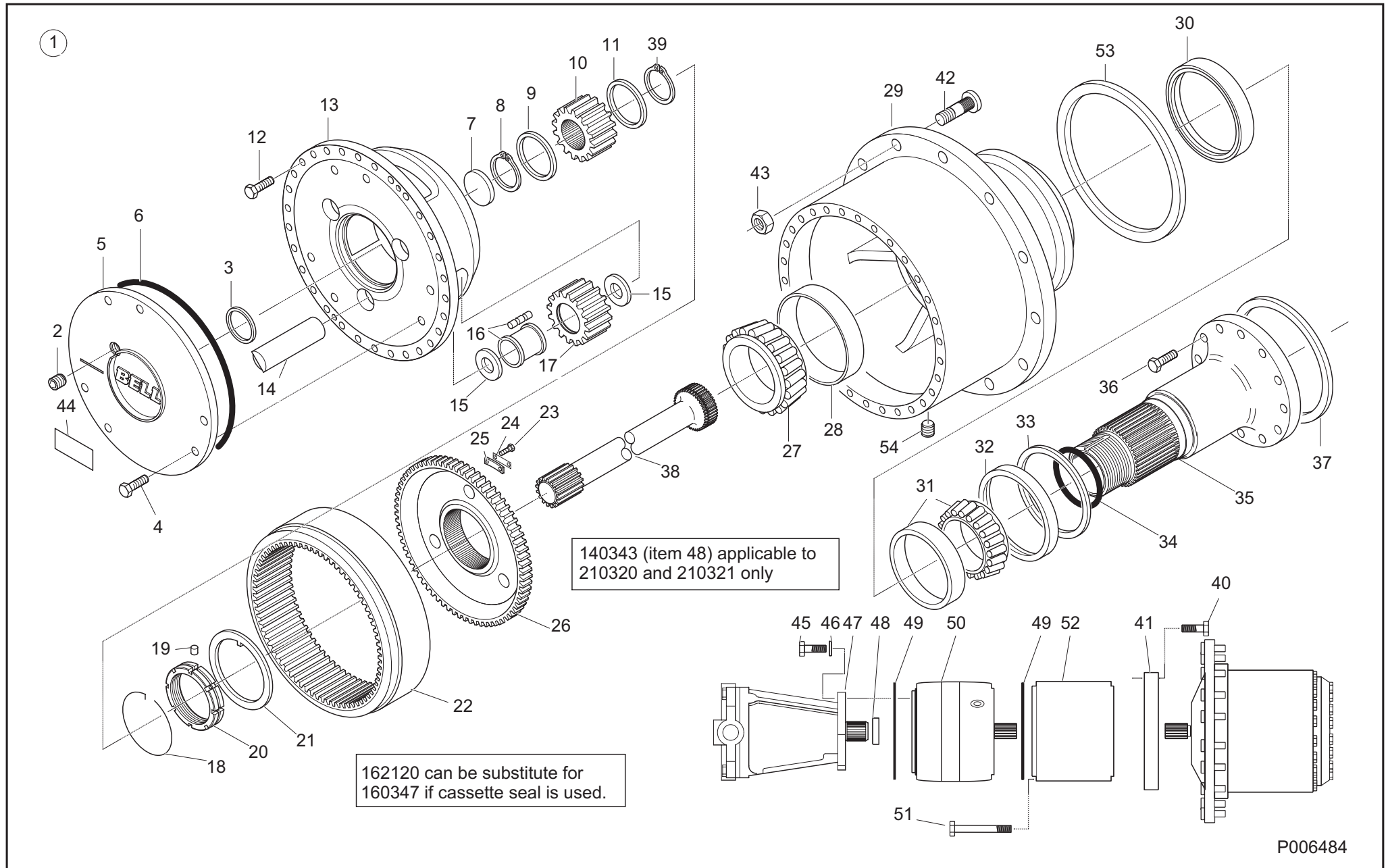
1



P001369

[illegible]

WHEEL DRIVE (SERIES 24)

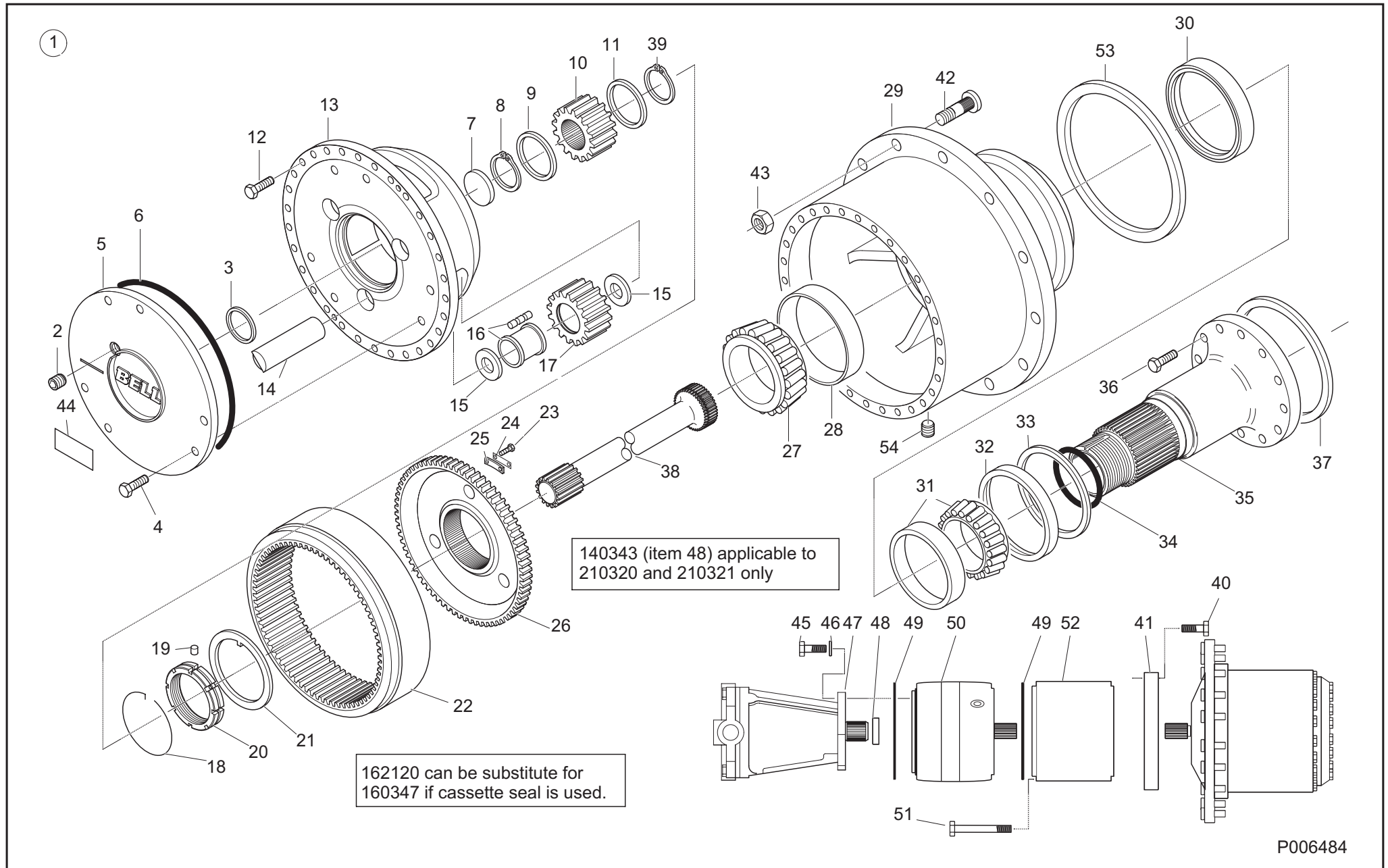




WHEEL DRIVE (SERIES 24)

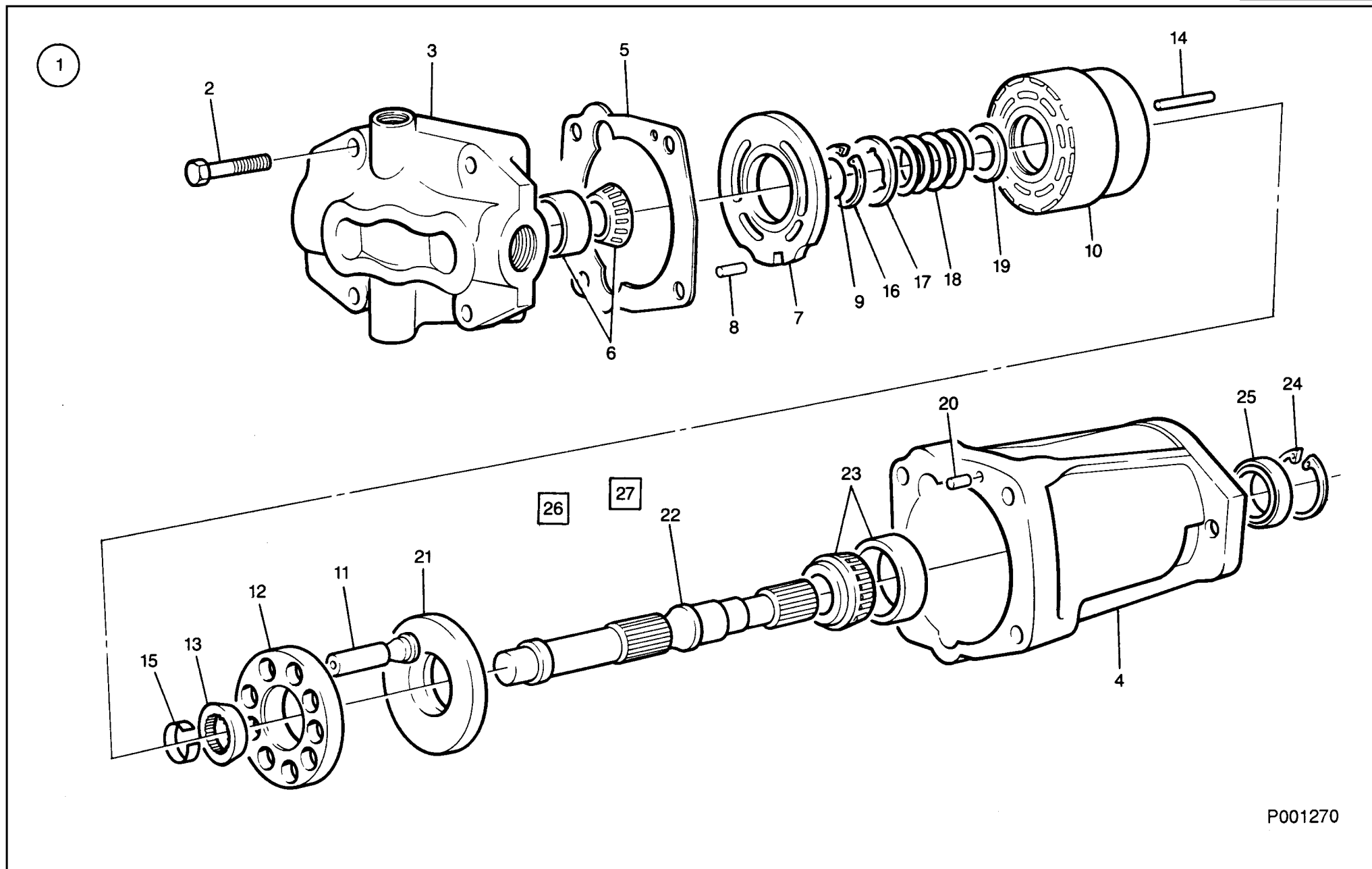
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	260531	2	WHEEL DRIVE (SERIES 24)	
2	120019	2	PLUG, Steam	
3	100421	A/R	WASHER	
4	100210	6	SCREW, Hex. Head	
5	160180	1	PLATE, Cover	
6	140191	1	O RING	
7	160194	1	PLUG, Thrust, Bronze	
8	201650	1	CIRCLIP	
9	160193	1	RING, Steel	
10	200846	1	GEAR, Sun	
11	160956	1	RING, Thrust	
12	100211	24	SCREW, Hex. Head	
13	190092	1	CARRIER, Planet	
14	160181	3	PIN, Planet	
15	160182	6	SHIM, Planet	
16	150060	3	BEARING, Roller	
17	200273	3	GEAR, Planet	
18	170222	1	CIRCLIP	
19	150018	1	BEARING, Roller	
20	160263	1	NUT, Lock	
21	190141	1	WASHER	
22	200271	1	GEAR, Ring	
23	100149	6	SCREW, Hex. Head	
24	160360	3	PLATE, Lock	
25	160190	3	PLATE, Retainer	
26	190093	1	CARRIER, Ring Gear	
27	150061	1	CONE, Bearing	
28	150062	1	CUP, Bearing	
29	161789	1	HUB	
30	140039	1	SEAL, Oil, Double lip	
31	150068	2	BEARING	
32	140192	1	SEAL, Oil	
33	160347	1	RING, Seal	
34	140159	1	O RING	
35	160346	1	SHAFT, Stub	

WHEEL DRIVE (SERIES 24)



[illegible]

HYDRAULIC MOTOR ASSEMBLY

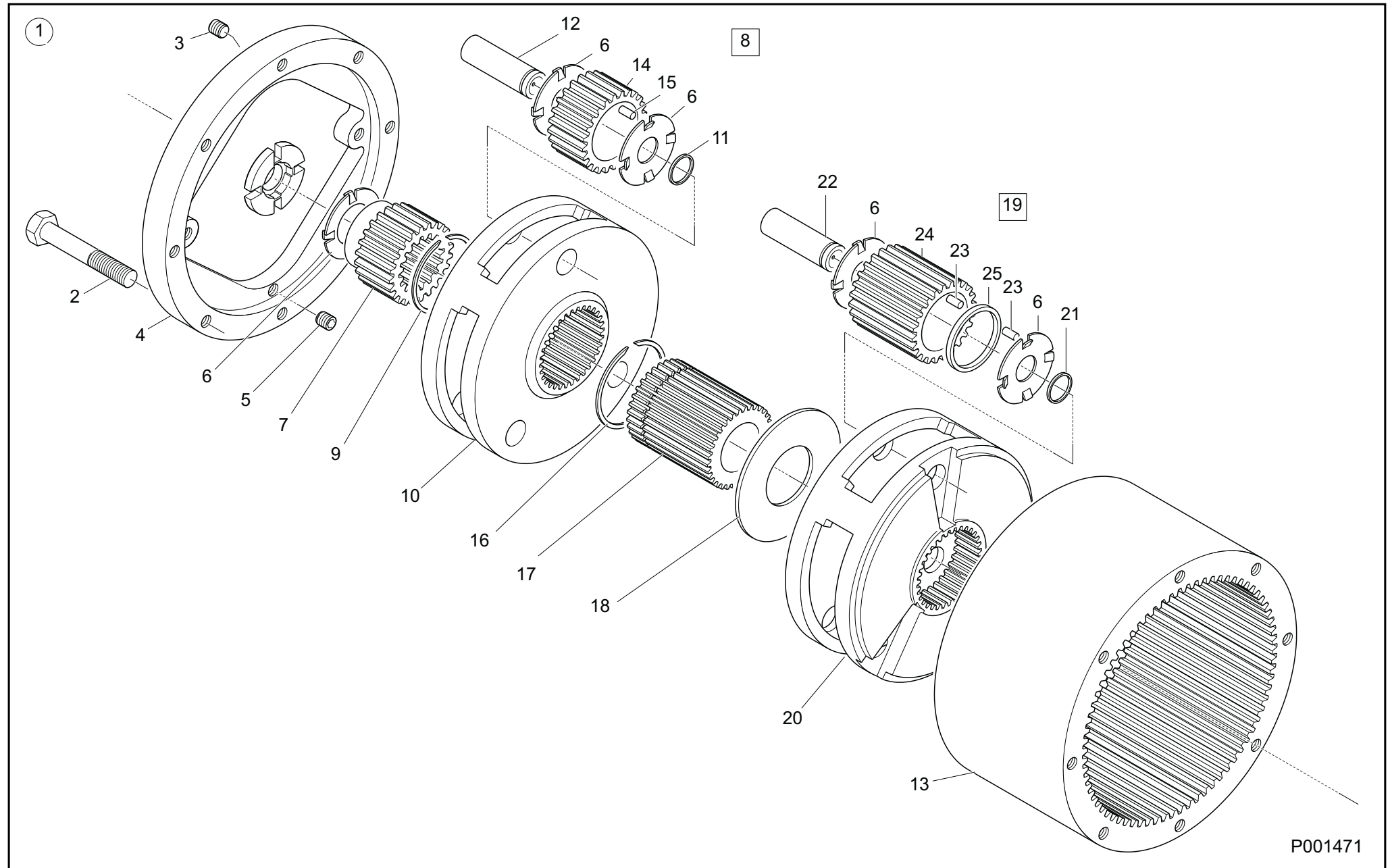




HYDRAULIC MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	210298	1	WHEEL MOTOR ASSEMBLY	MFE 19
2	220361	4	SCREW	
3	221472	1	CAP, End	
4	220377	1	HOUSING	
5	220363 *	1	GASKET	
6	150024	1	BEARING, Cup and Cone	
7	220364	1	PLATE, Wafer	
8	220324	1	PIN	
9	**	1	SPACER	
10	**	1	CYLINDER BLOCK	
11	**	9	PISTON AND SHOE	
12	**	1	SHOE PLATE	
13	**	1	WASHER, Spherical	
14	**	3	PIN	
15	**	1	RETAINER, Pin	
16	**	1	RING, Retaining	
17	**	1	WASHER	
18	**	1	SPRING	
19	**	1	WASHER, Pin	
20	220371	2	PIN	
21	**	1	PLATE, Swash	
22	220369	1	SHAFT	
23	150021	1	BEARING, Cup and Cone	
24	220304	1	RING, Retaining	
25	220337 *	1	SEAL	
26	220380	1	KIT, Seal, Wheel Motor Assy	Includes Items Marked *
27	220379	1	KIT, Rotating Group	Includes Items Marked **

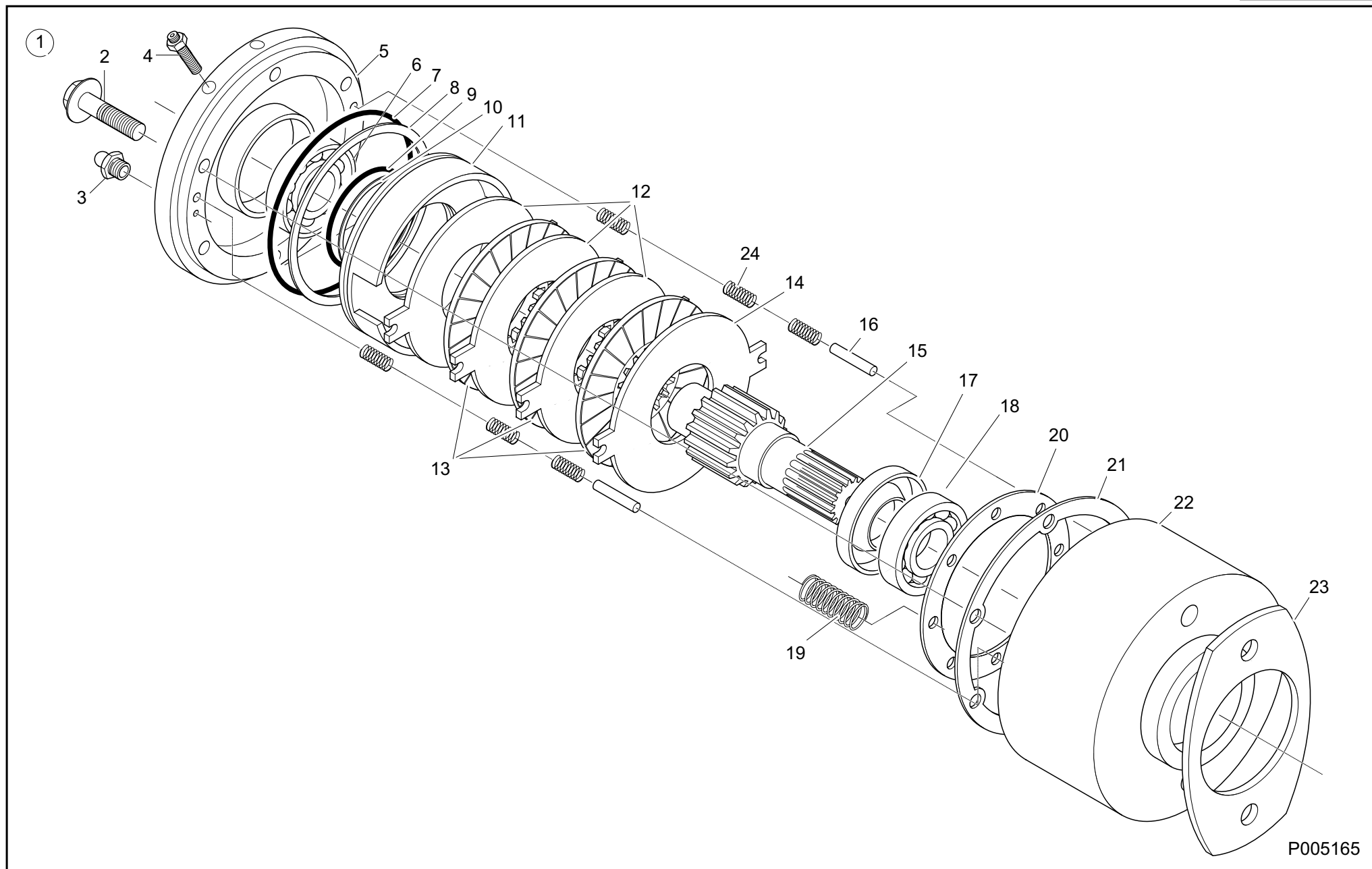
PRIMARY REDUCTION ASSEMBLY (MODEL 6, 14:1)



P001471

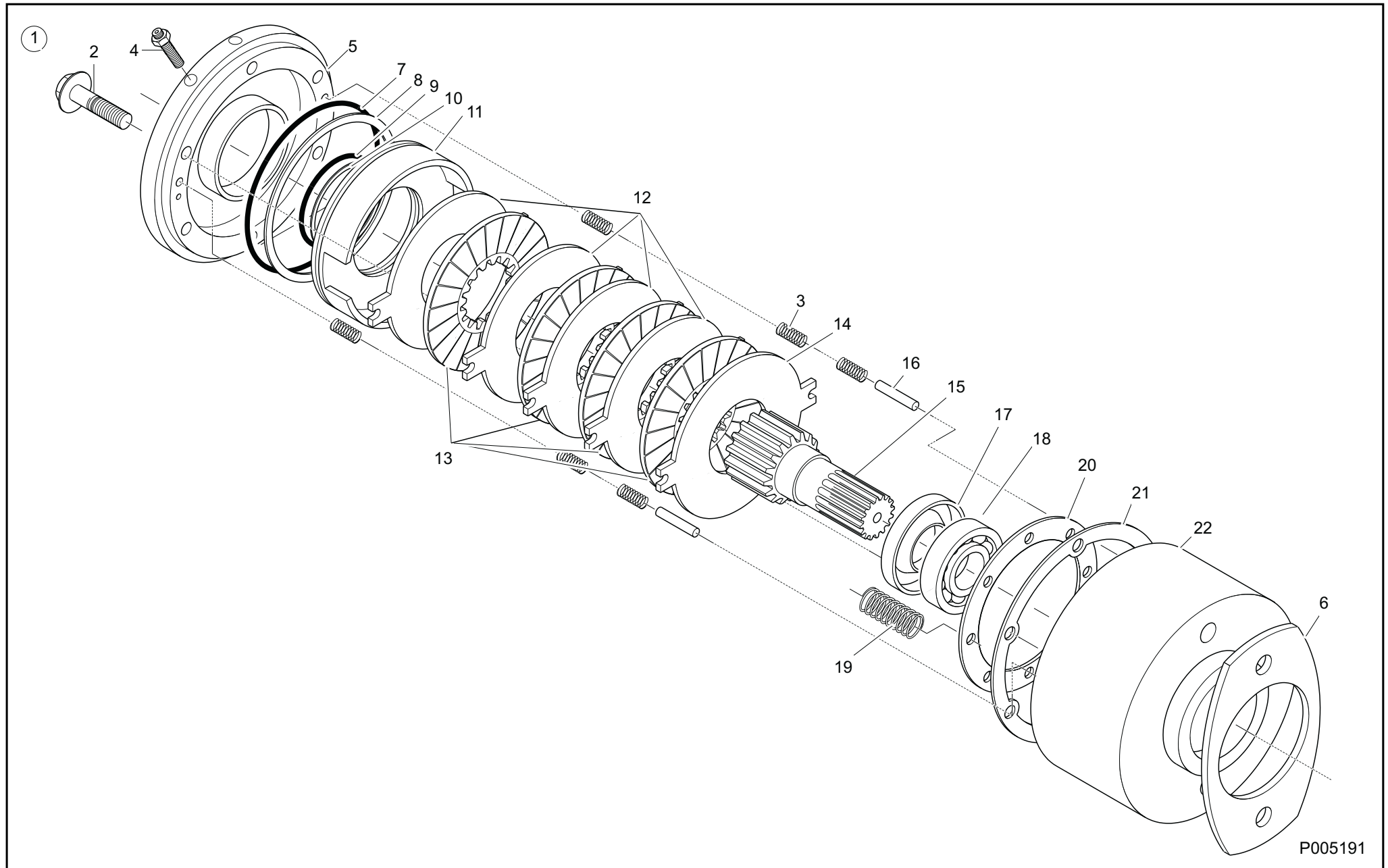
[illegible]

MULTI DISC BRAKE ASSEMBLY (UP TO 15.05.98)



[illegible]

MULTI DISC BRAKE ASSEMBLY (FROM 15.05.98)

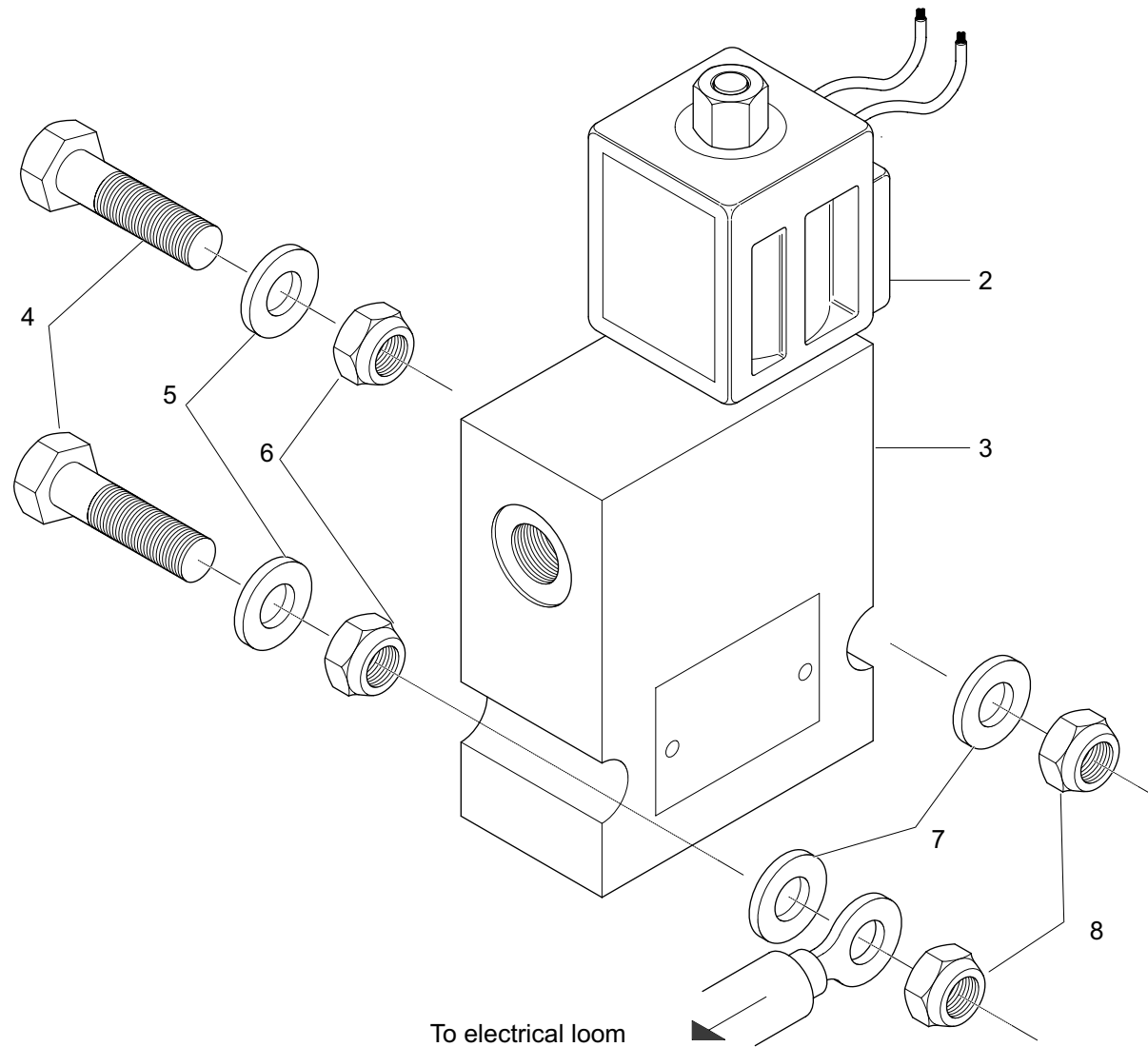


P005191

[illegible]

BRAKE RELEASE VALVE

1

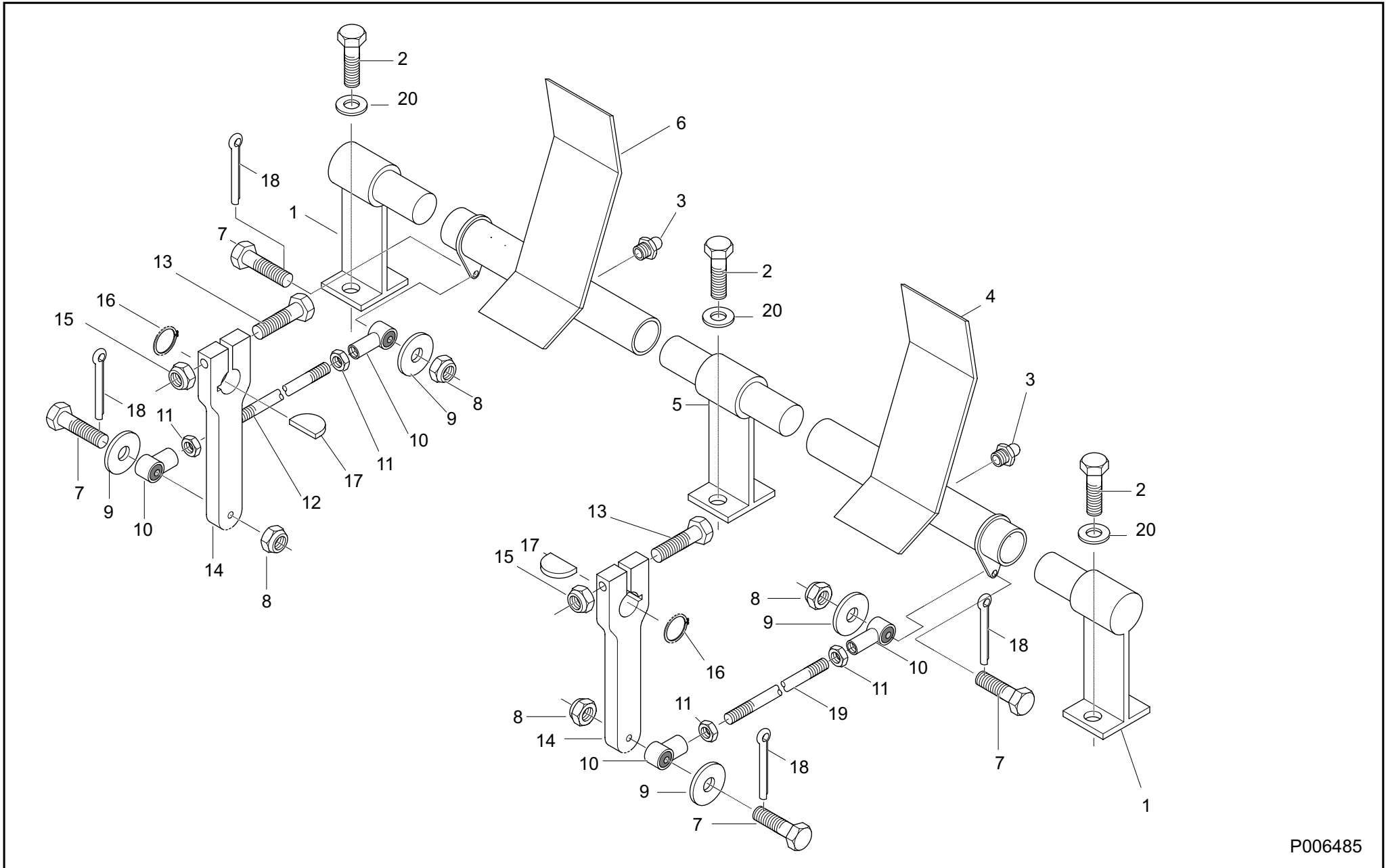


To electrical loom

P005190

[illegible]

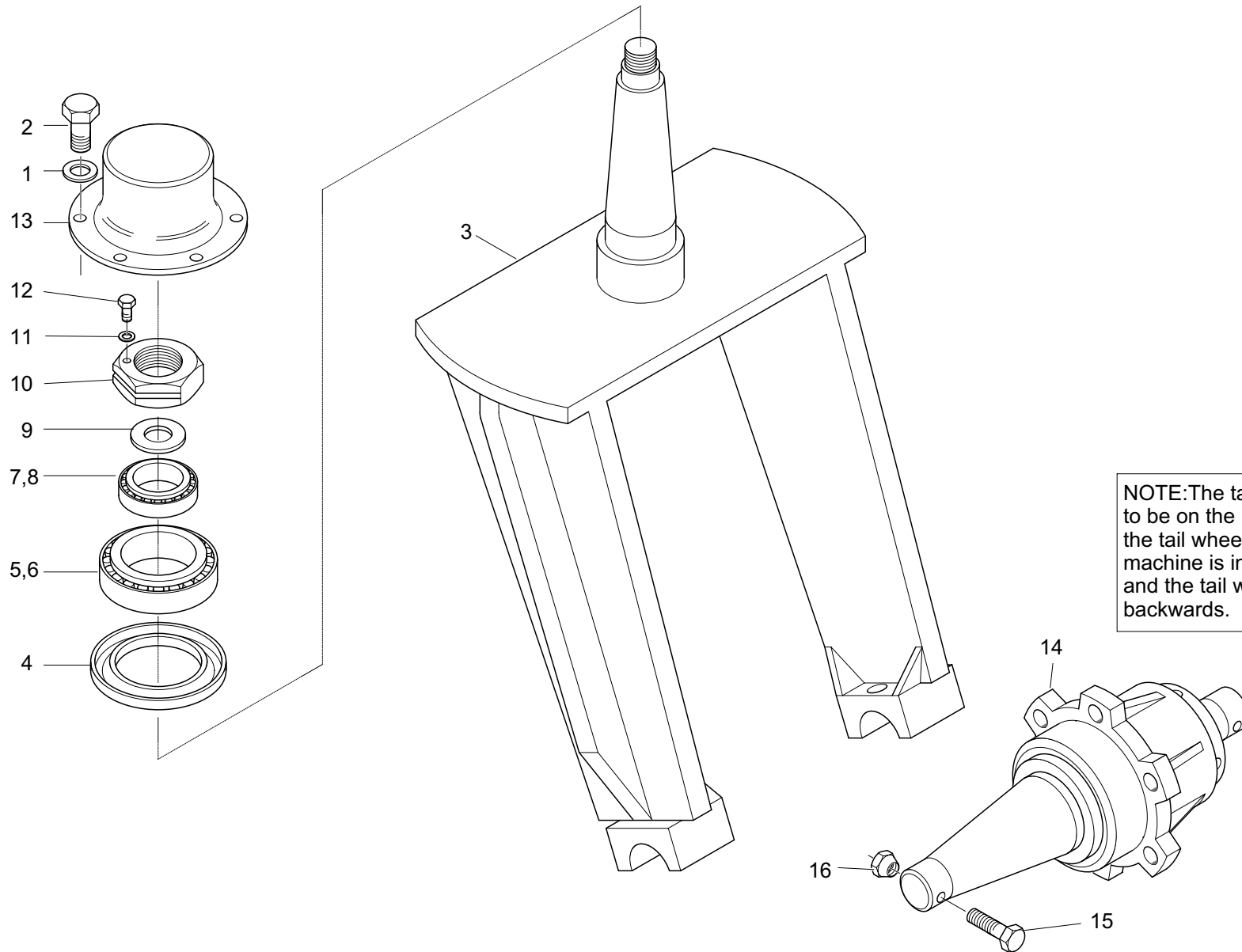
CONTROL LINKAGE ASSEMBLY



P006485

[illegible]

TAIL WHEEL FORK ASSEMBLY

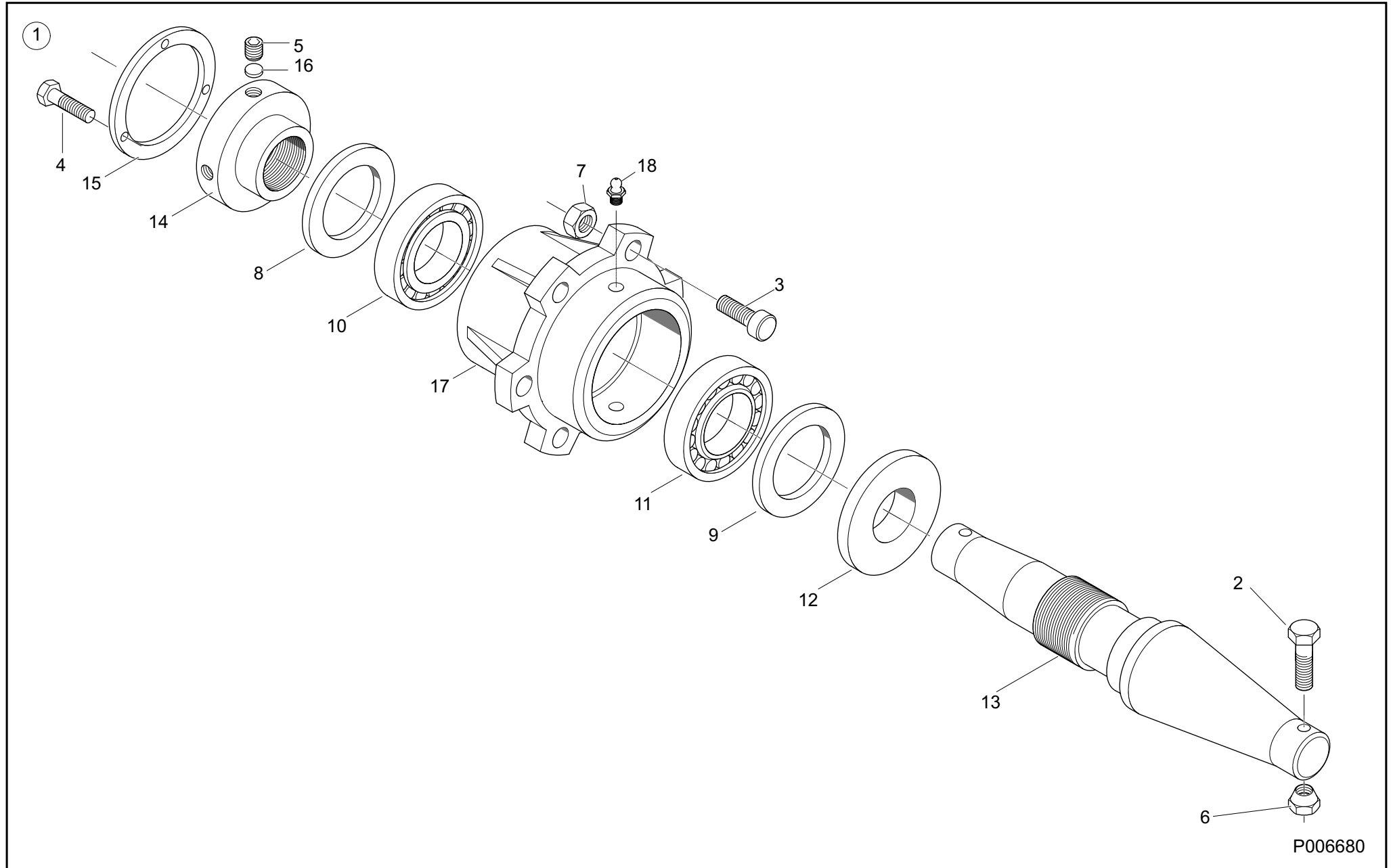


NOTE: The tail wheel locking nut has to be on the RIGHT HAND SIDE of the tail wheel assembly, when the machine is in a drive forward position and the tail wheel fork is facing backwards.

P008058

[illegible]

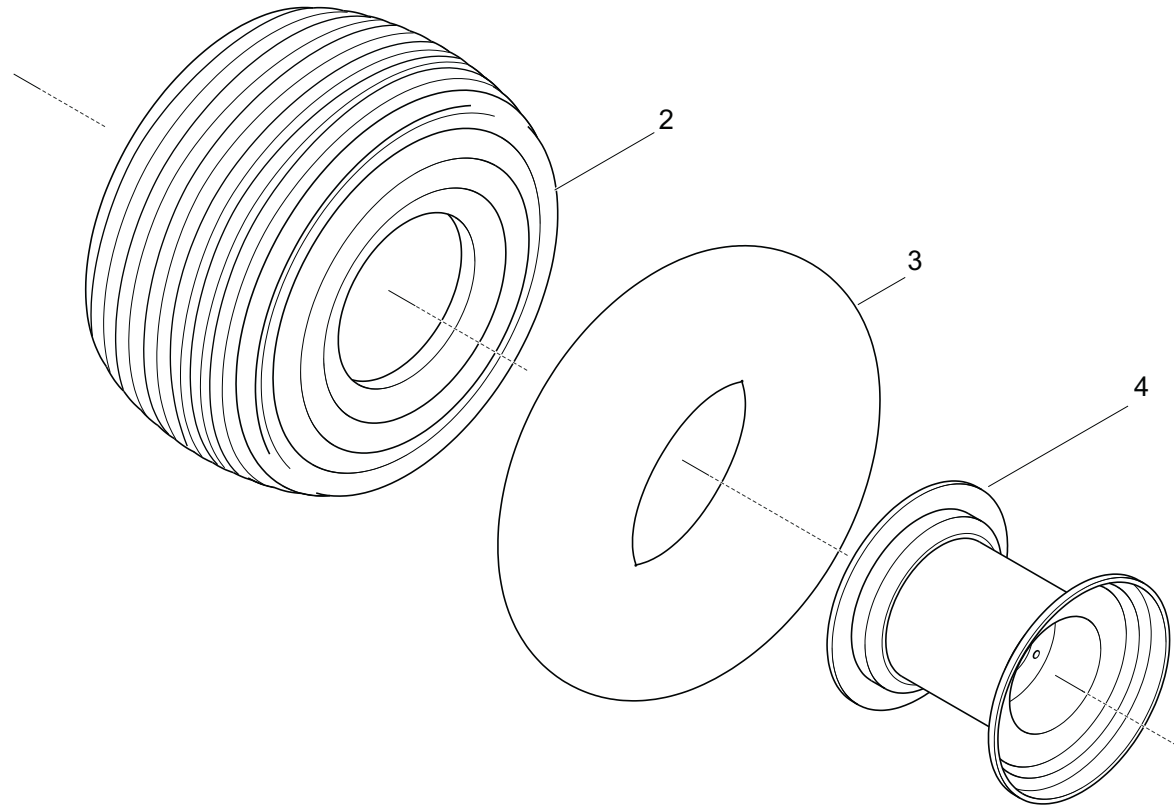
TAIL WHEEL AXLE



[illegible]

WHEEL ASSEMBLY (400 X 15.5, 10 PLY)

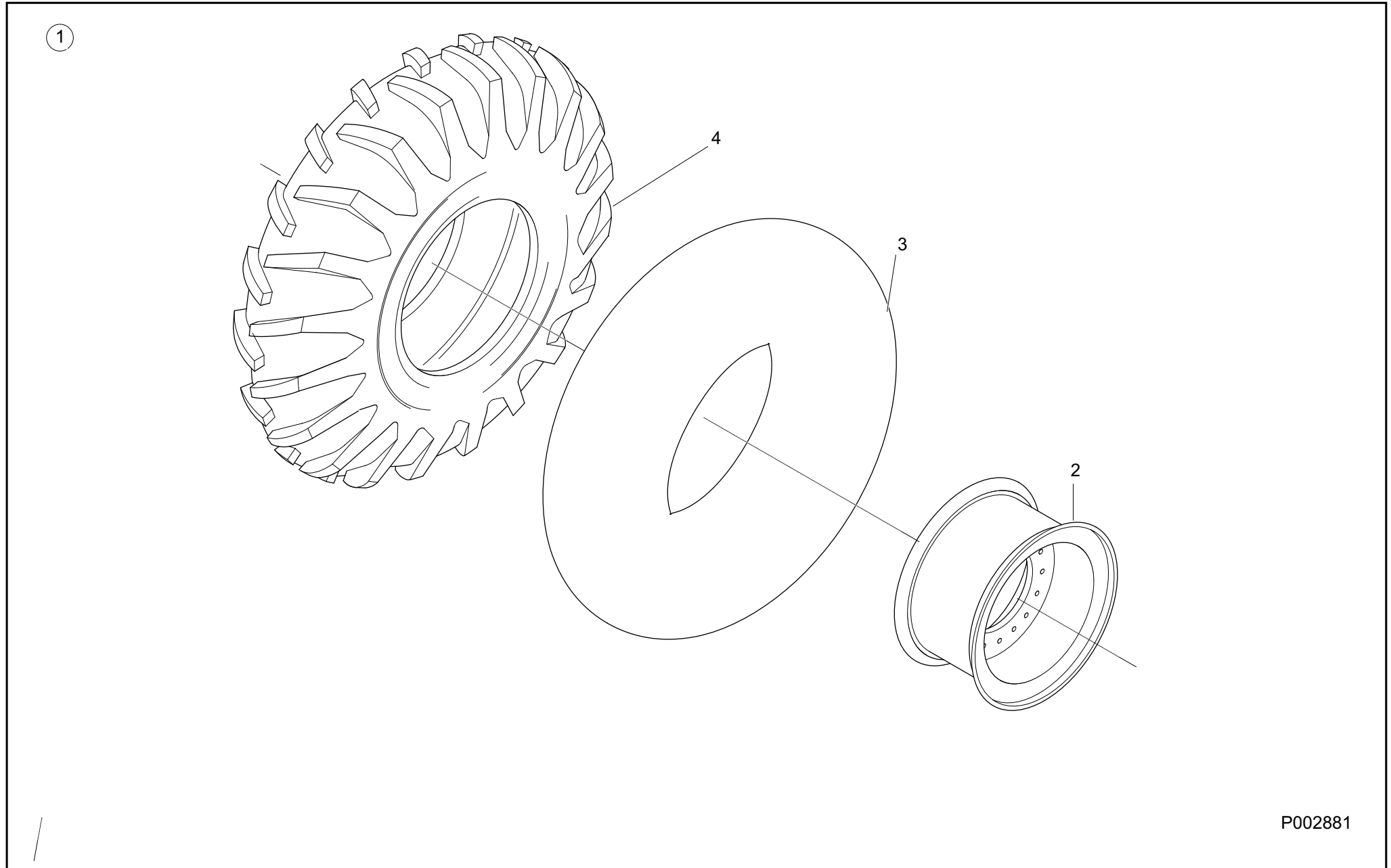
①



P005203

[illegible]

WHEEL ASSEMBLY (15 X 26)

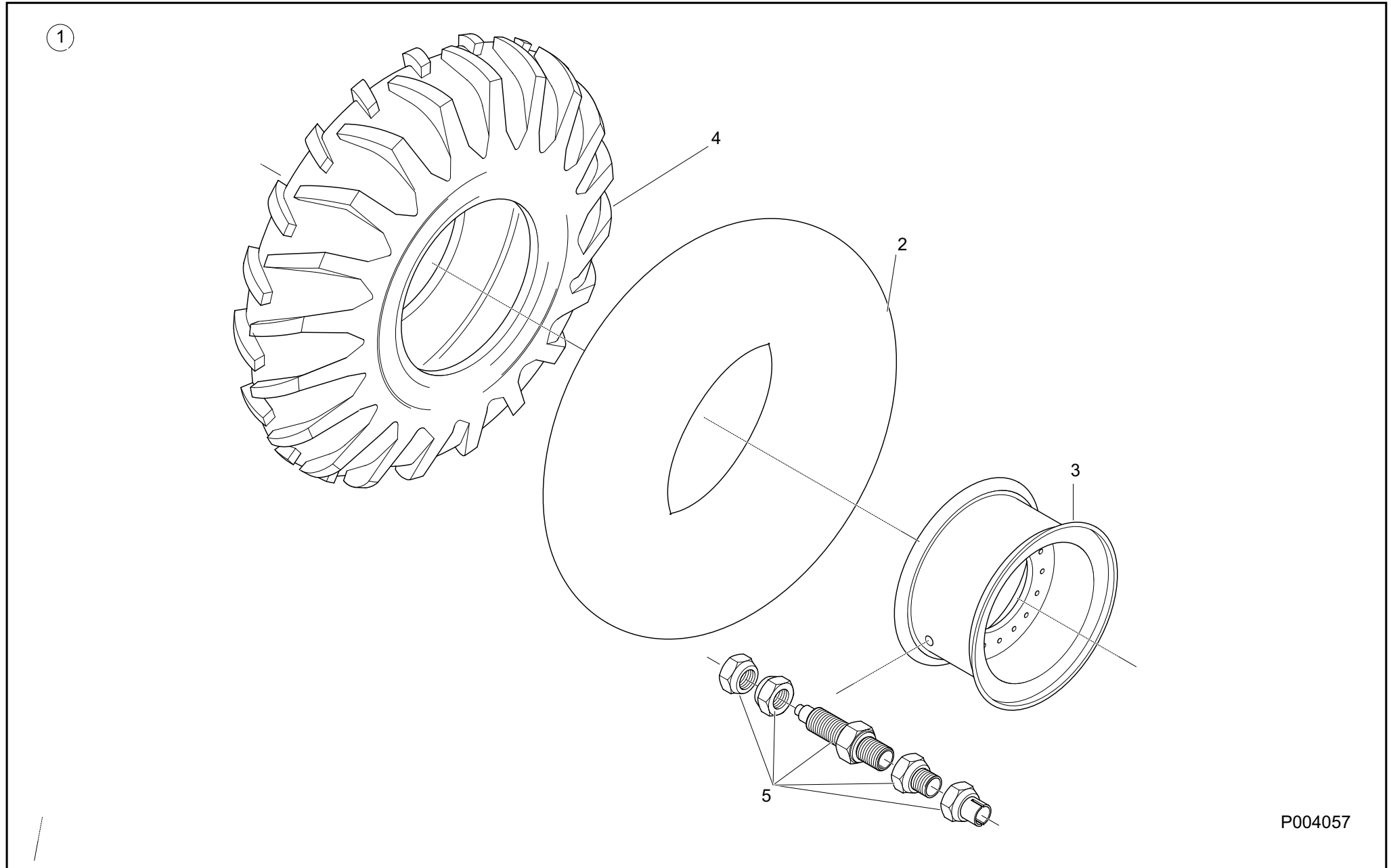




WHEEL ASSEMBLY (15 X 26)

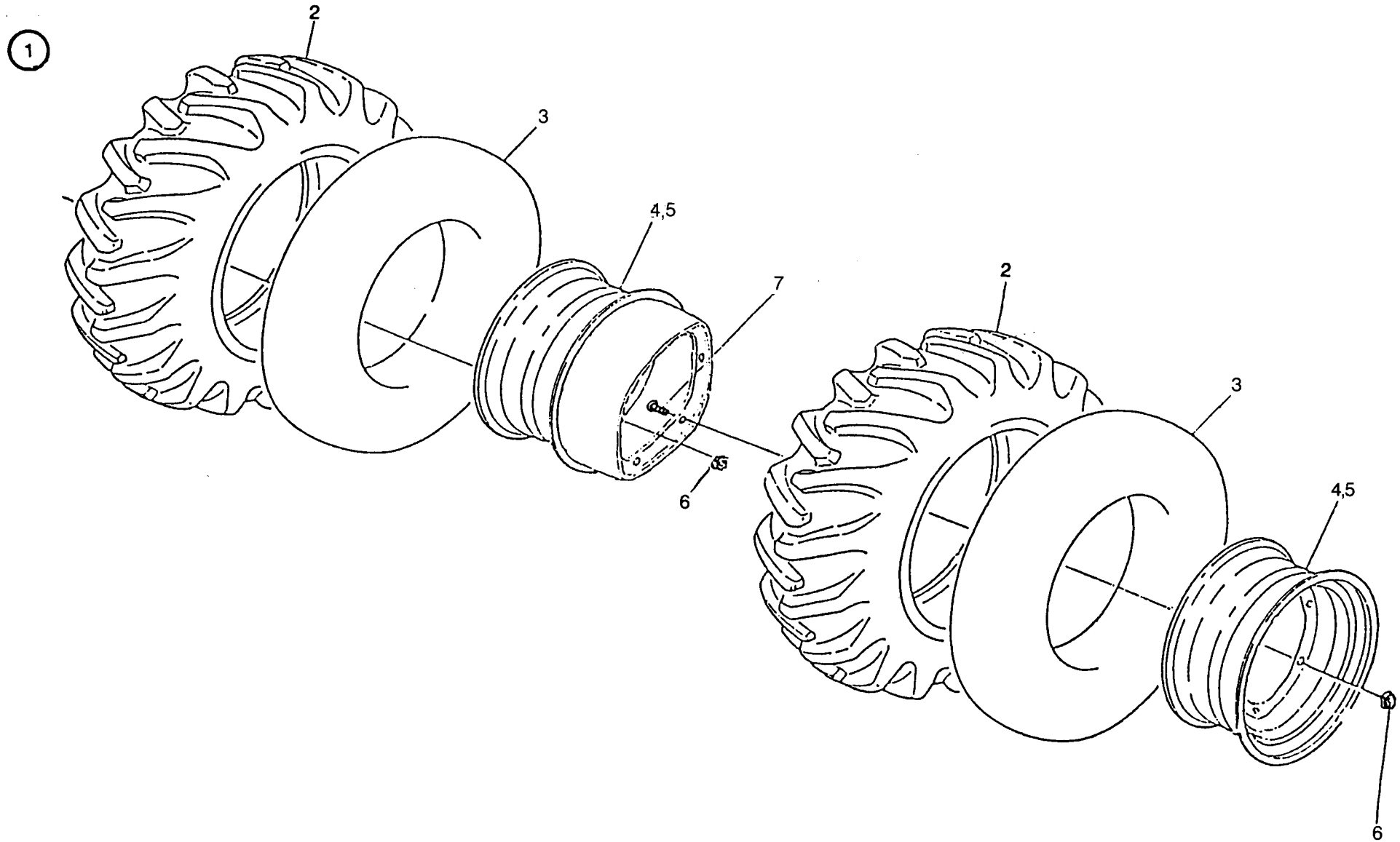
[illegible]

WHEEL ASSEMBLY (15 X 30)



[illegible]

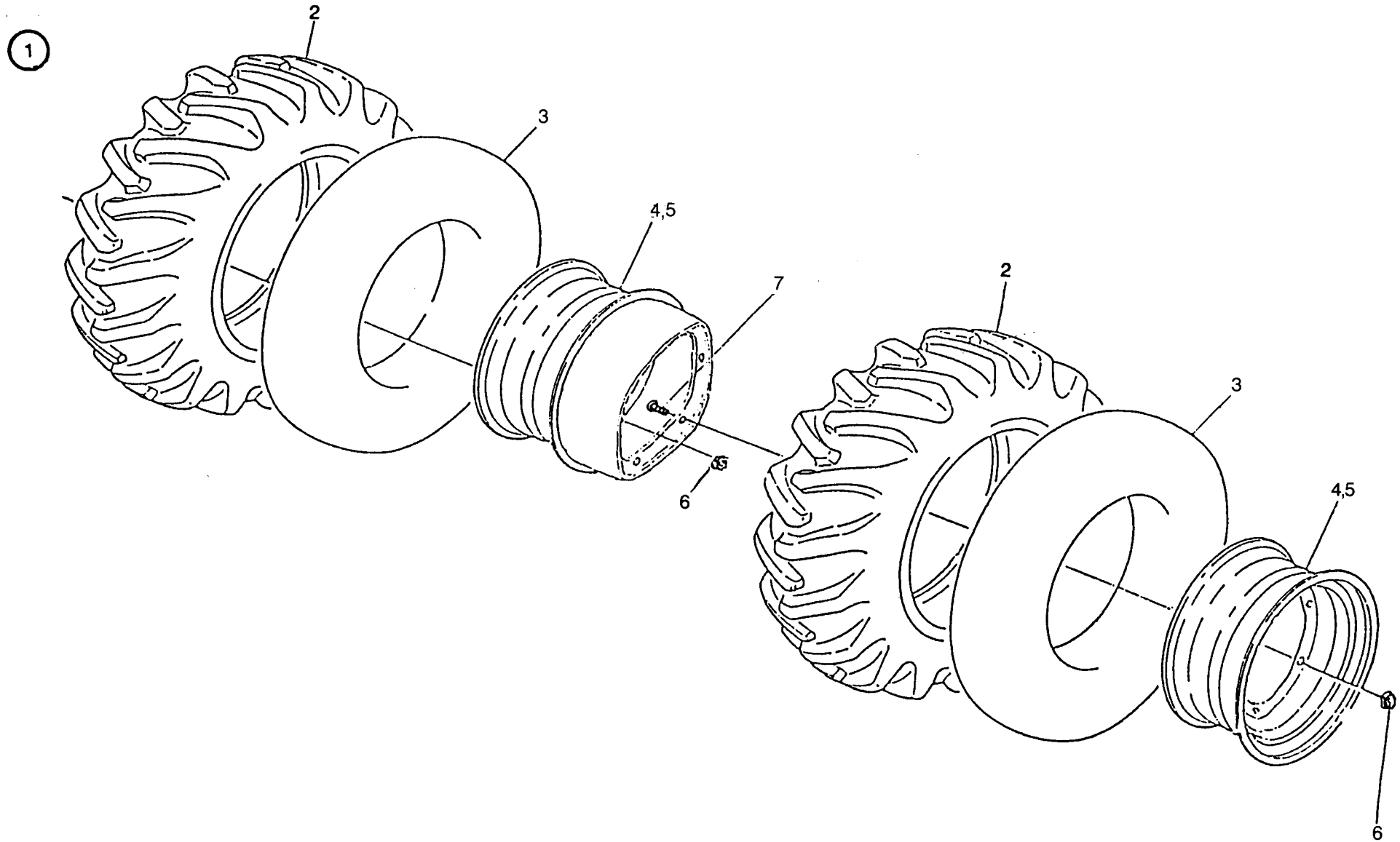
WHEEL ASSEMBLY (DUAL) (13 X 24)



P002880

[illegible]

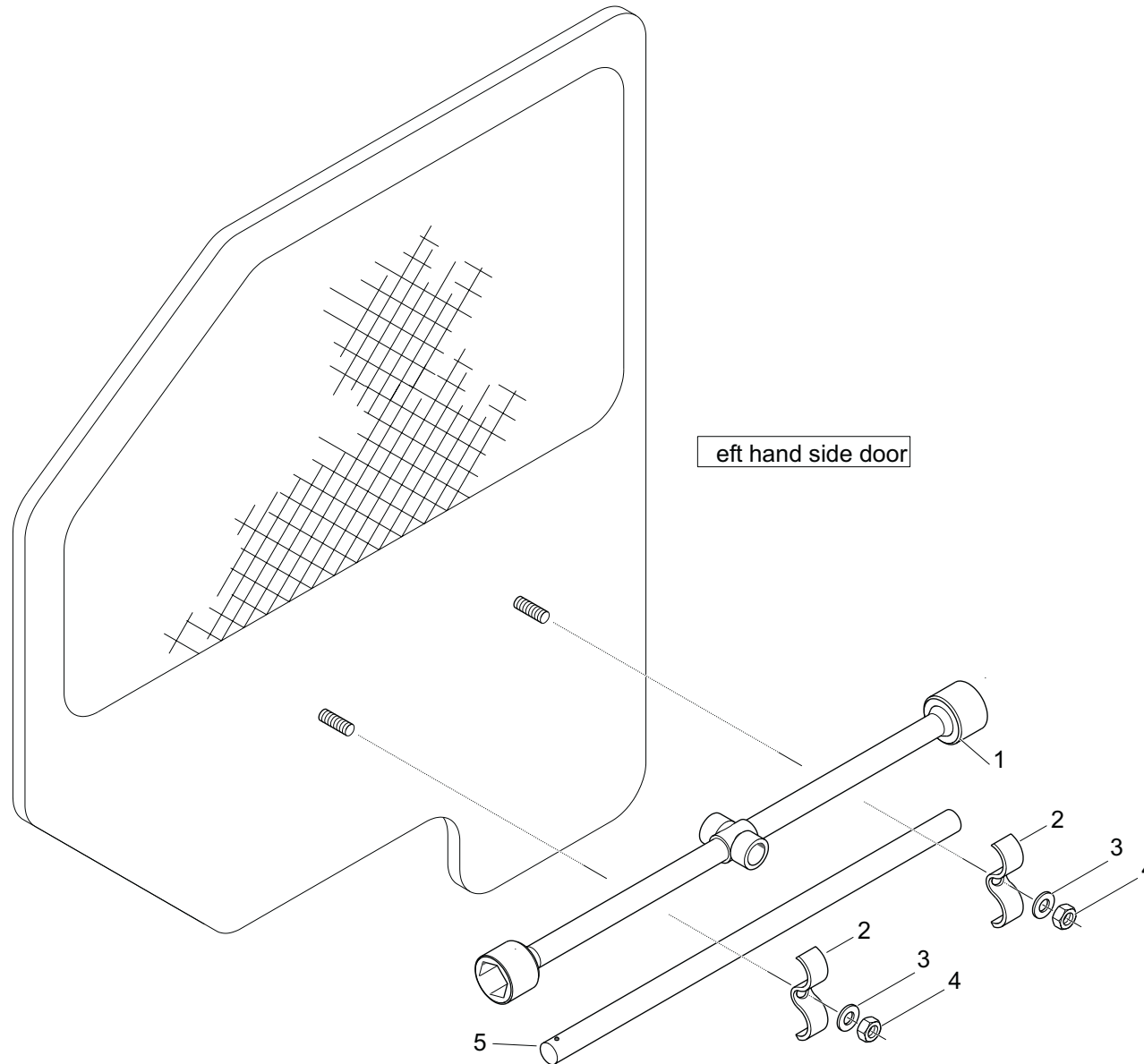
WHEEL ASSEMBLY (DUAL) (15 X 26)



P002880

[illegible]

SPECIAL TOOLS



P005224

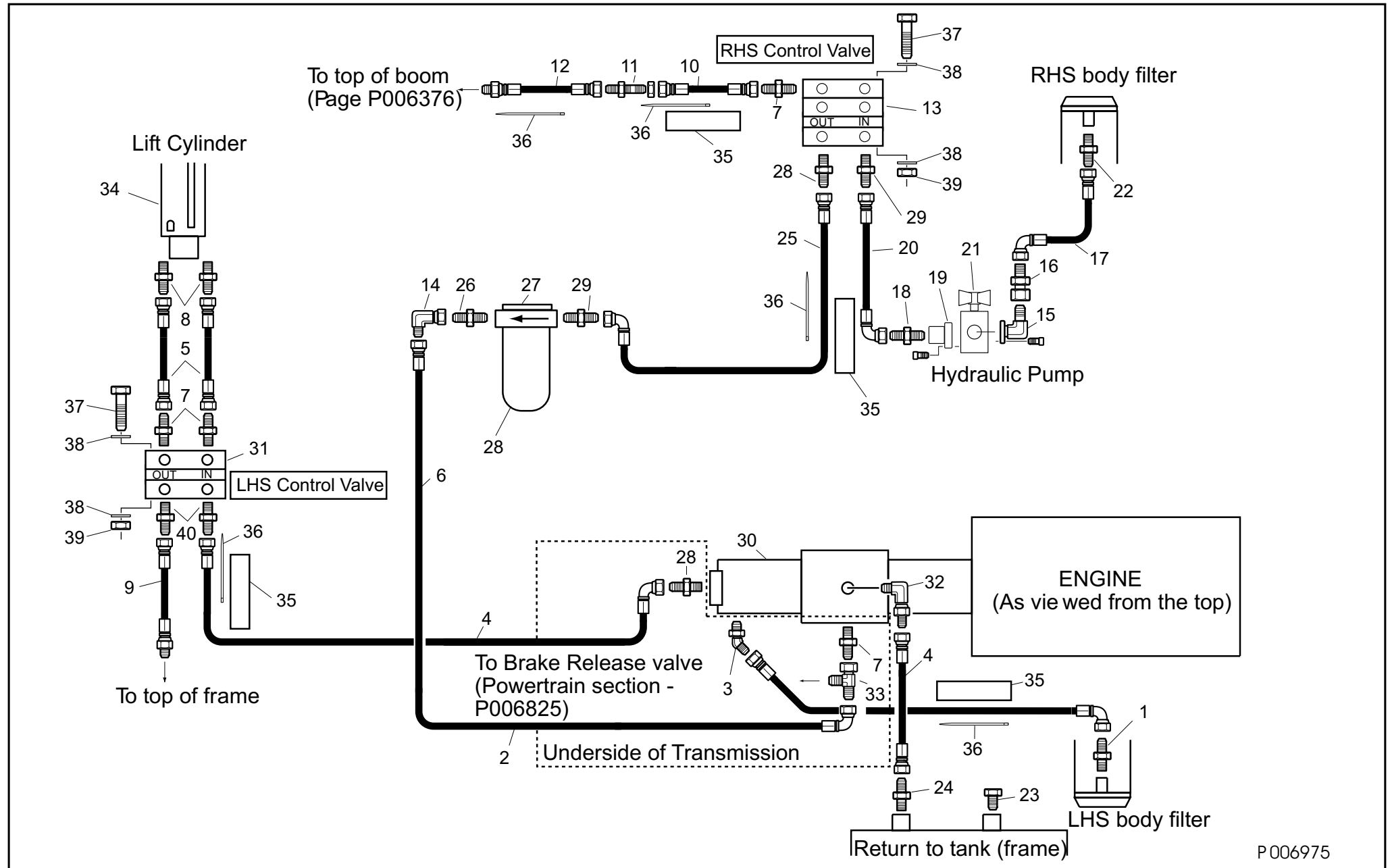


SPECIAL TOOLS

[illegible]

SECTION 4. HYDRAULIC SYSTEM

HYDRAULIC SYSTEM (3 CYL)

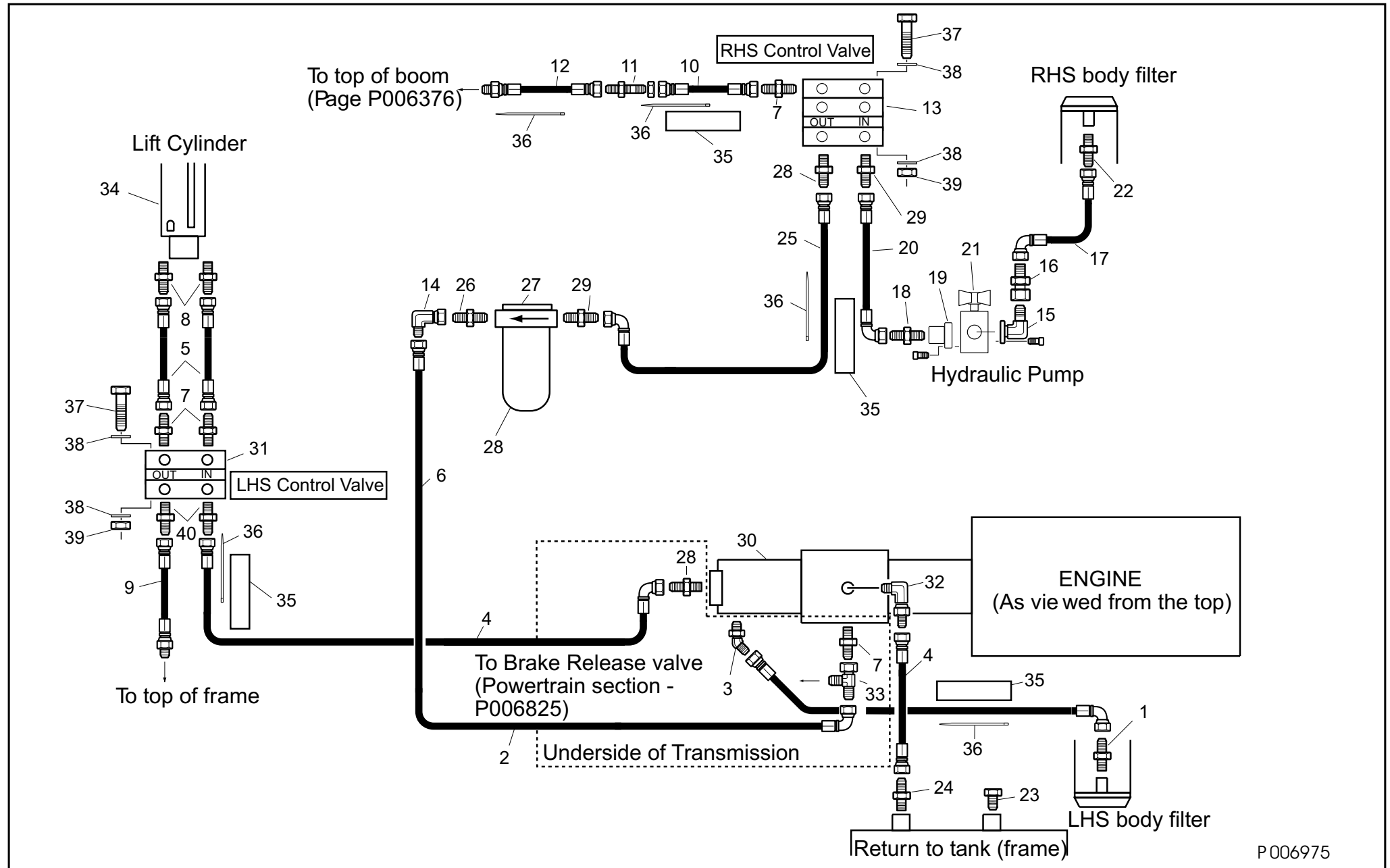




HYDRAULIC SYSTEM (3 CYL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	120117	1	CONNECTOR	
2	240666	1	HOSE ASSY	
3	120116	1	ELBOW	
4	240103	2	HOSE ASSY	
5	240788	2	HOSE ASSY	
6	240146	1	HOSE ASSY	
7	120049	7	CONNECTOR	
8	120002	2	CONNECTOR	
9	240208	1	HOSE ASSY	
10	240675	4	HOSE ASSY	
11	120313	4	BULKHEAD	
12	240366	4	HOSE ASSY	
13	210082	1	VALVE, 2 Bank	
14	120101	1	ELBOW	
15	120118	1	FITTING	Includes O-ring and mounting screws
16	190073	1	ADAPTOR	Includes ferrel and locking nut
17	240195	1	HOSE ASSY	
18	190031	1	ADAPTOR	
19	120122	1	FITTING	Includes ferrel and locking nut
20	240206	1	HOSE ASSY	
21	210422	1	PUMP, 16 cc	
22	120035	2	CONNECTOR	
23	120007	1	PLUG	
24	120004	1	CONNECTOR	
25	240032	1	HOSE	
26	120003	1	CONNECTOR	
27	210468	1	FILTER UNIT	
28	220077	6	ELEMENT	
29	120032	2	CONNECTOR	
30	210035	1	PUMP, Transmission (TA1919)	
31	210081	1	VALVE, 1 Bank	
32	120047	1	ELBOW	
33	120365	1	T PIECE	
34	230165	1	CYLINDER, Boom Lift	
35	130032	A/R	BLUE SLEEVE	

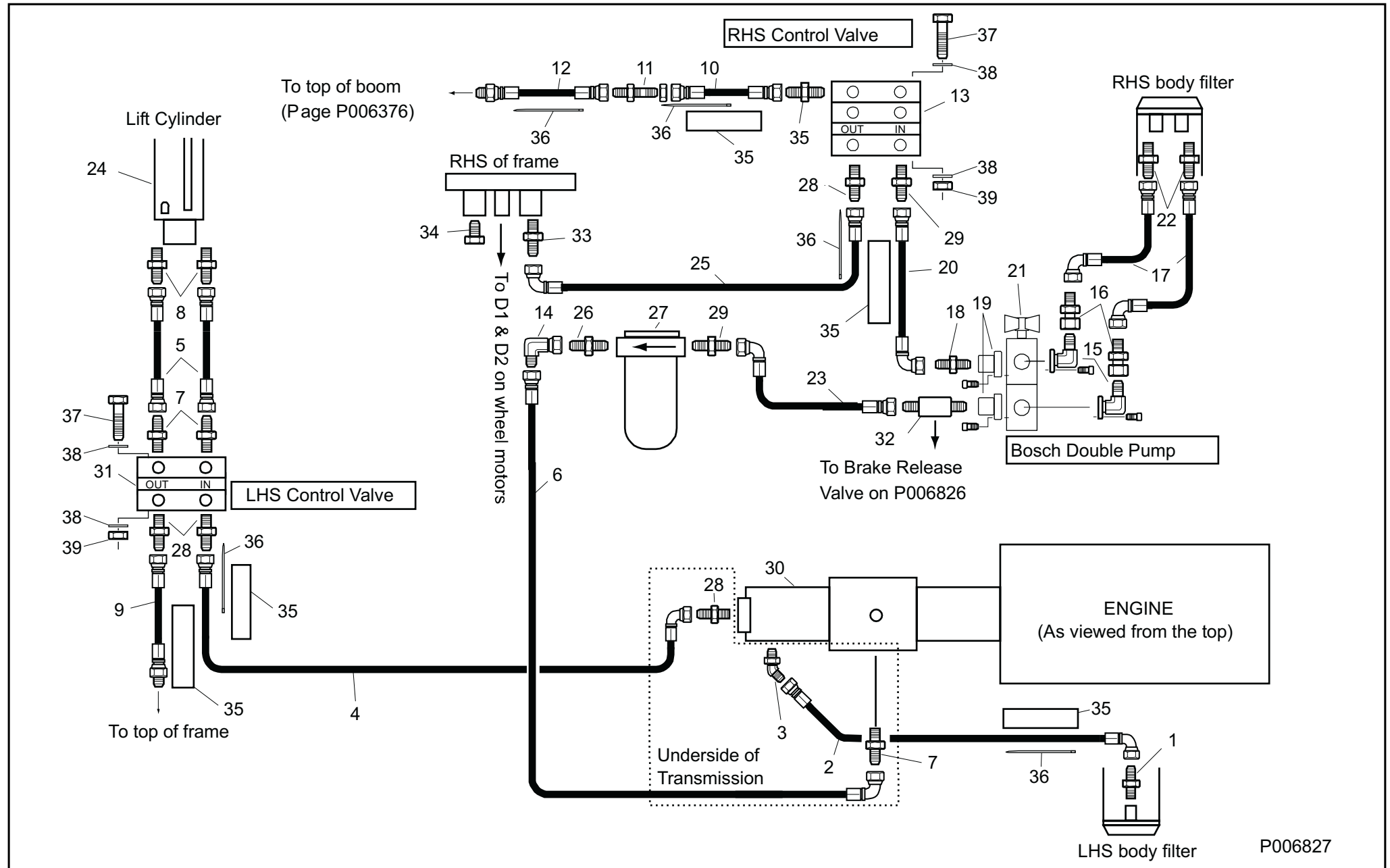
HYDRAULIC SYSTEM (3 CYL)



P006975

[illegible]

HYDRAULIC SYSTEM (4 CYL)



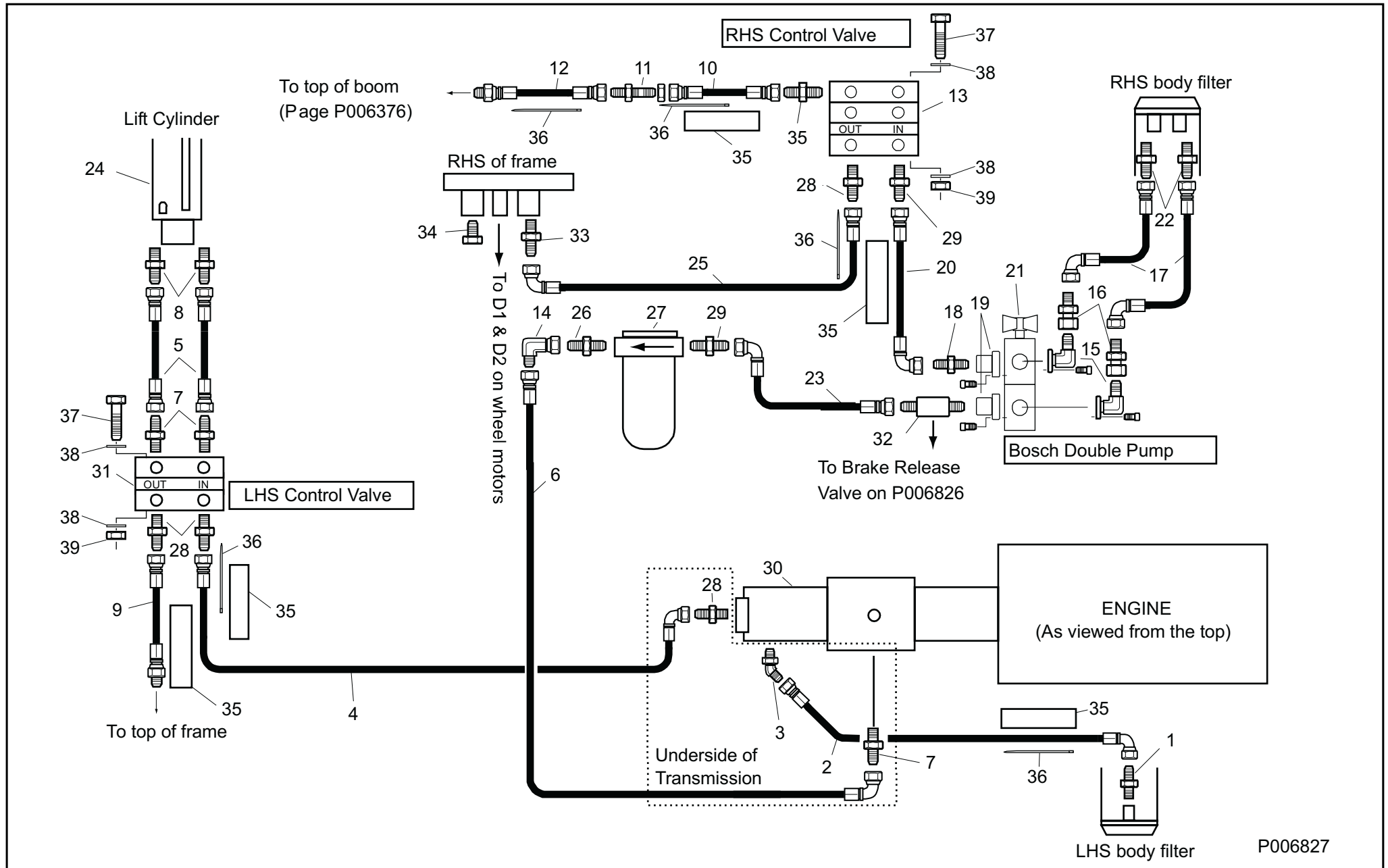
P006827



HYDRAULIC SYSTEM (4 CYL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	120117	1	CONNECTOR	
2	240666	1	HOSE ASSY	
3	120116	1	ELBOW	
4	240033	1	HOSE ASSY	
5	240788	2	HOSE ASSY	
6	240146	1	HOSE ASSY	
7	120047	7	ELBOW	
8	120002	2	CONNECTOR	
9	240208	1	HOSE ASSY	
10	240675	4	HOSE ASSY	
11	120313	4	BULKHEAD	
12	240366	4	HOSE ASSY	
13	210635	1	VALVE, 2 Bank	
14	120101	1	ELBOW	
15	120118	2	FITTING	Includes nut and mounting screws
16	190073	2	ADAPTOR	
17	240195	2	HOSE ASSY	
18	190031	1	ADAPTOR	
19	120122	2	FITTING	
20	240206	1	HOSE ASSY	
21	210166	1	PUMP, Bosch, Double	
22	120035	2	CONNECTOR	
23	240032	1	HOSE	
24	230165	1	CYLINDER, Boom Lift	
25	240103	1	HOSE	
26	120003	1	CONNECTOR	
27	210034	1	FILTER UNIT	
28	220077	1	ELEMENT	
29	120032	2	CONNECTOR	
30	210035	1	PUMP, Transmission (TA1919)	
31	210081	1	VALVE, 1 Bank	
32	160427	1	FITTING	Includes locking nut
33	120004	1	CONNECTOR	
34	120007	1	PLUG	
35	130032	A/R	BLUE SLEEVE	

HYDRAULIC SYSTEM (4 CYL)



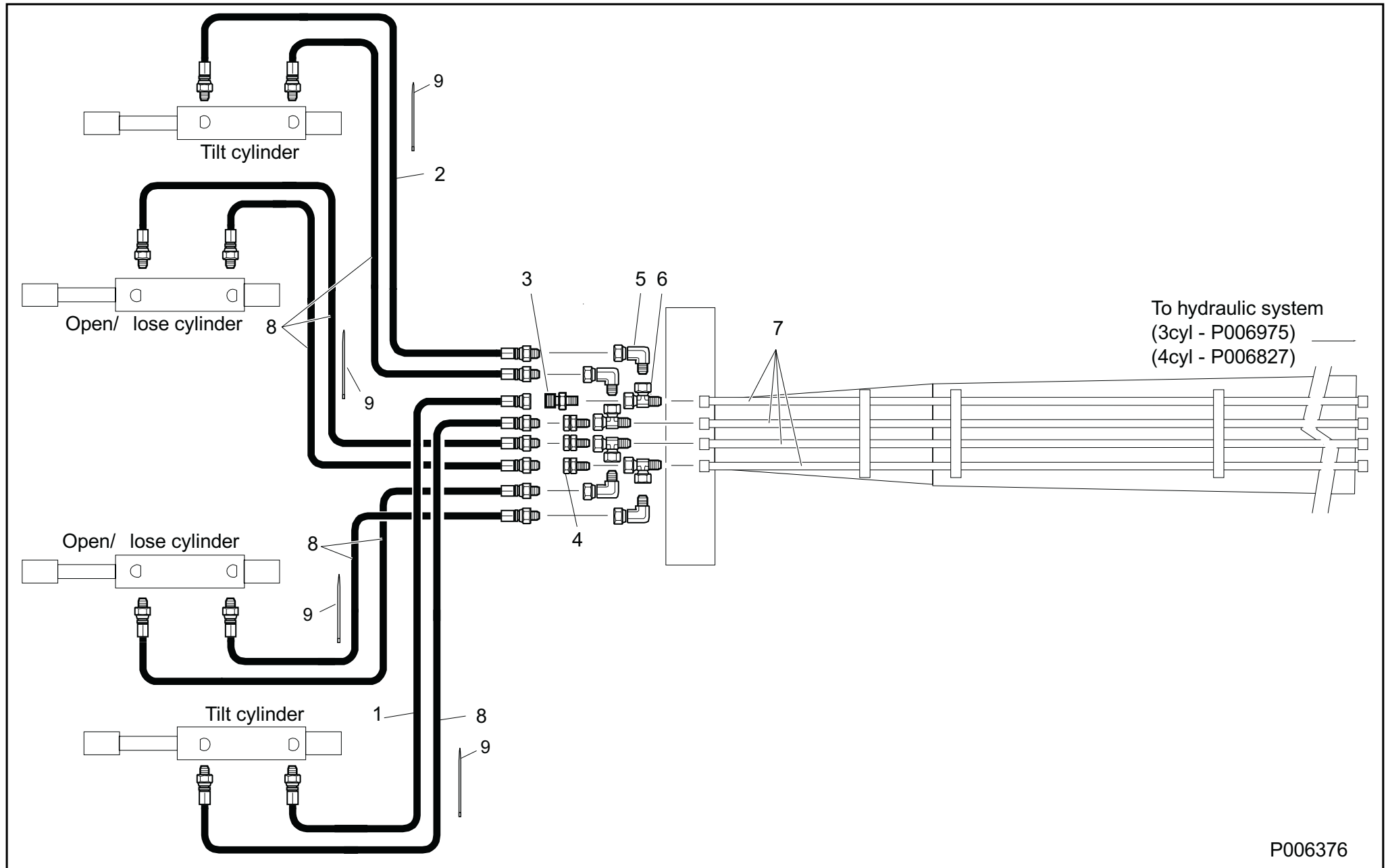
P006827



HYDRAULIC SYSTEM (4 CYL)

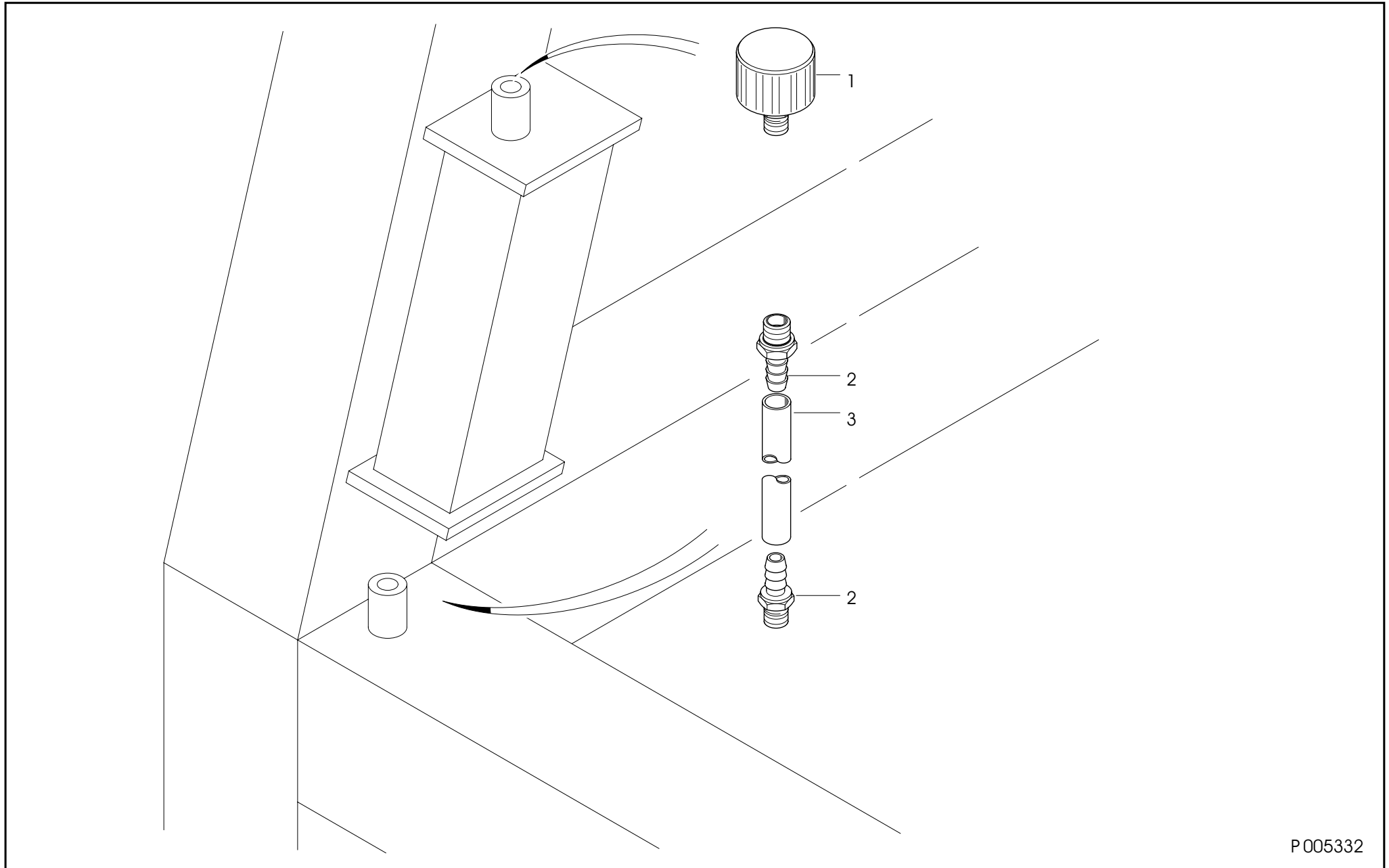
[illegible]

HYDRAULIC SYSTEM (CANE GRAB AND BOOM)



[illegible]

HYDRAULIC BREATHER ASSEMBLY



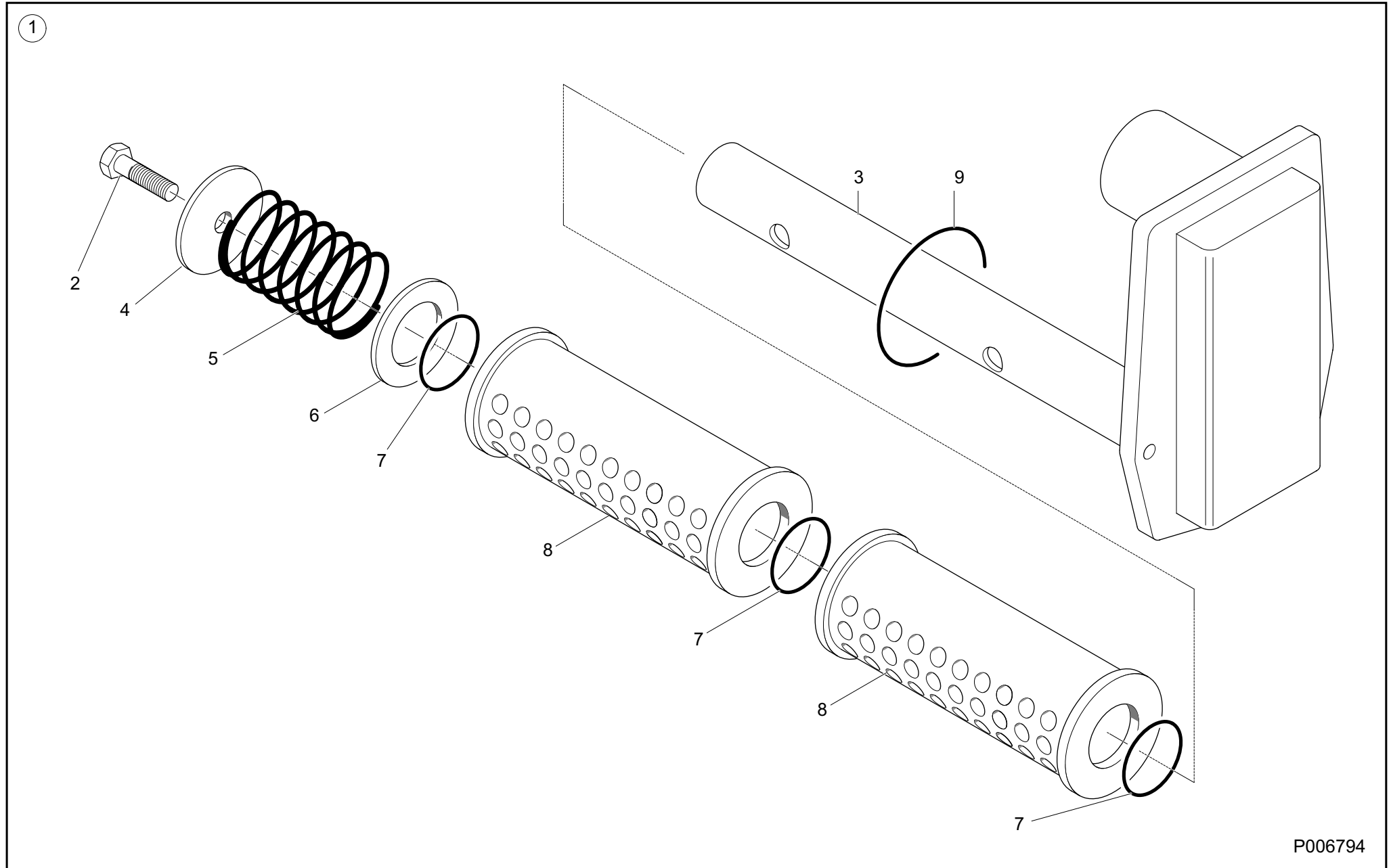
P005332



HYDRAULIC BREATHER ASSEMBLY

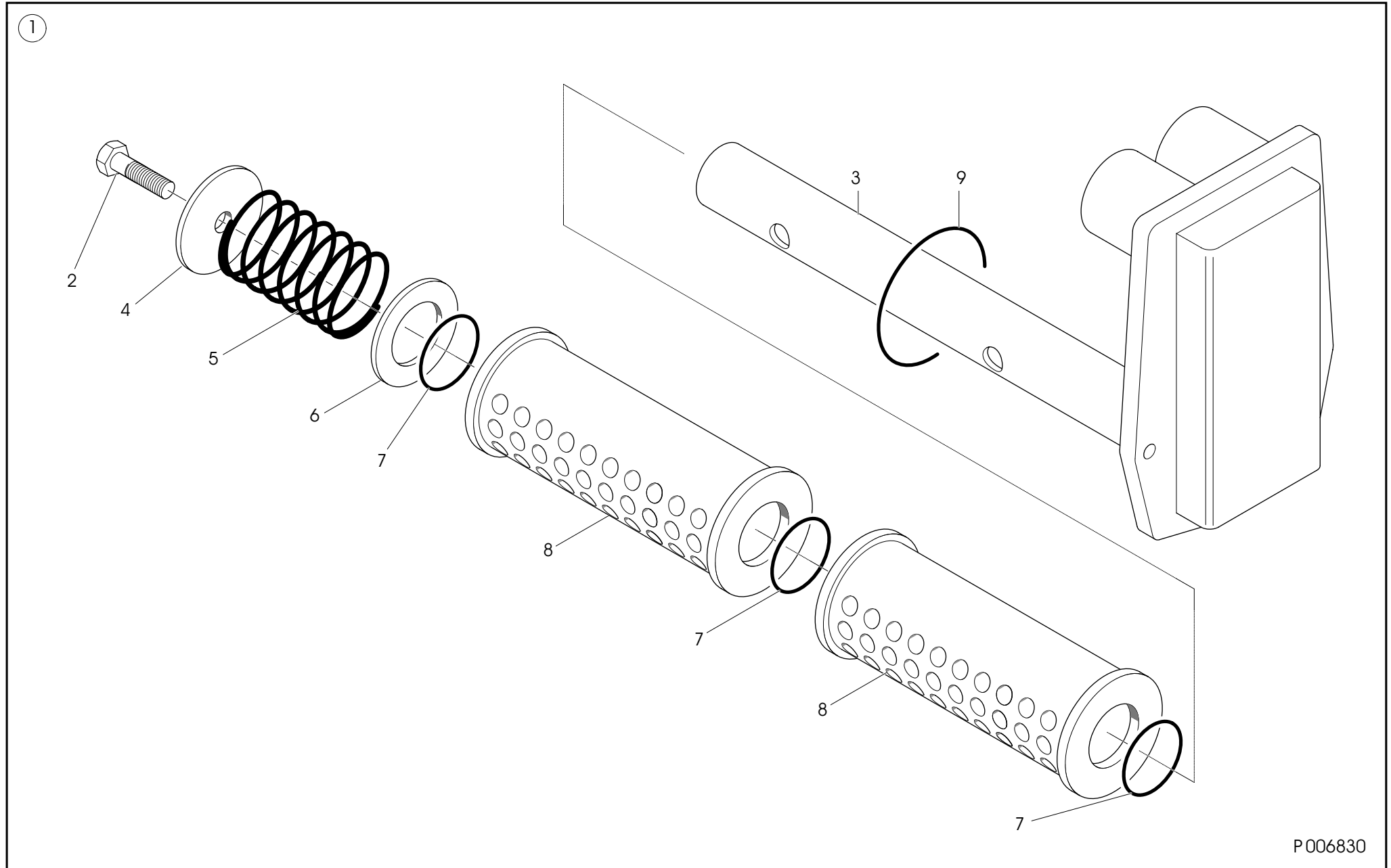
[illegible]

HYDRAULIC FILTER ASSEMBLY (3 CYL)



[illegible]

HYDRAULIC FILTER ASSEMBLY (4 CYL)

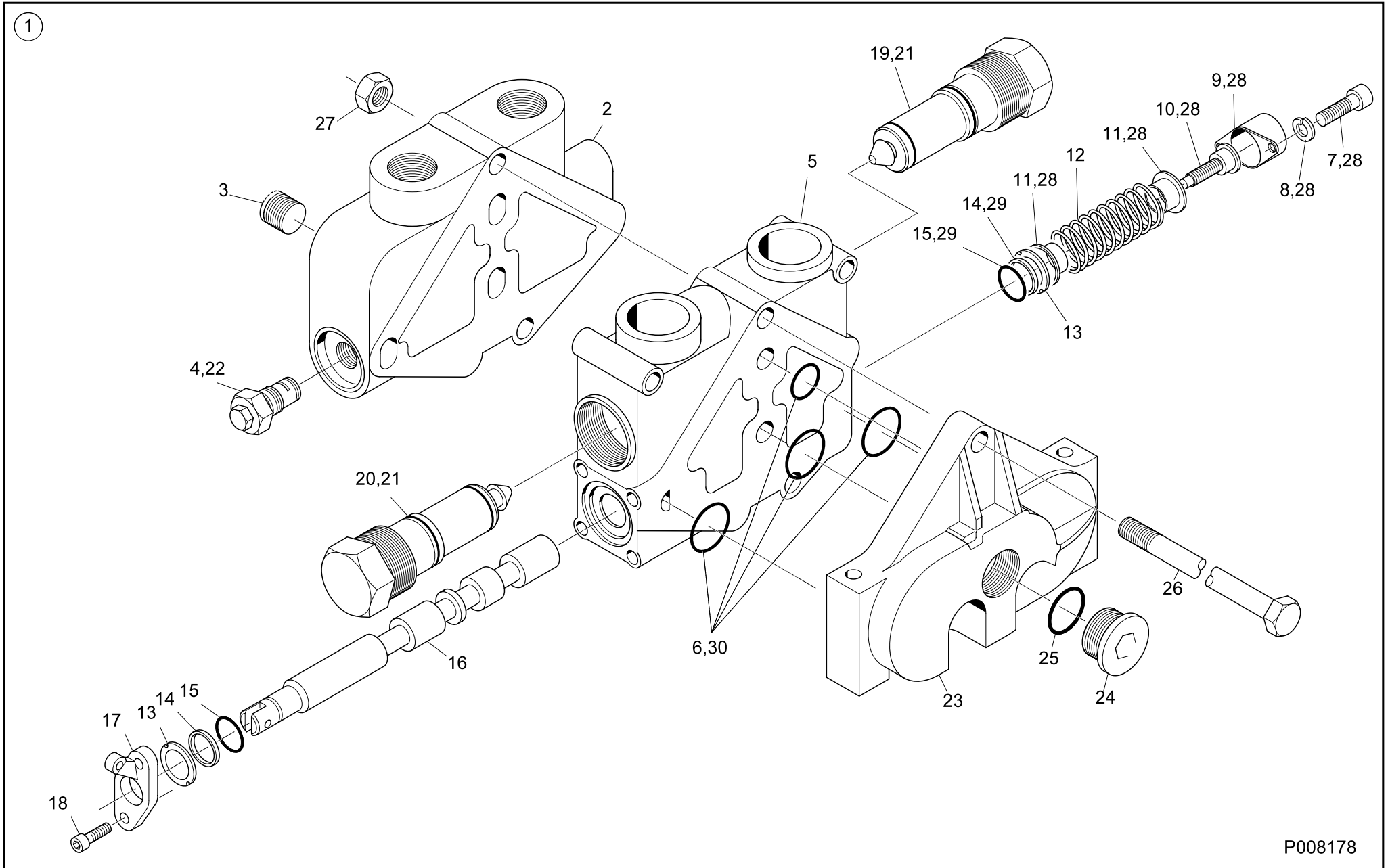




HYDRAULIC FILTER ASSEMBLY (4 CYL)

[illegible]

CONTROL VALVE (ONE BANK)



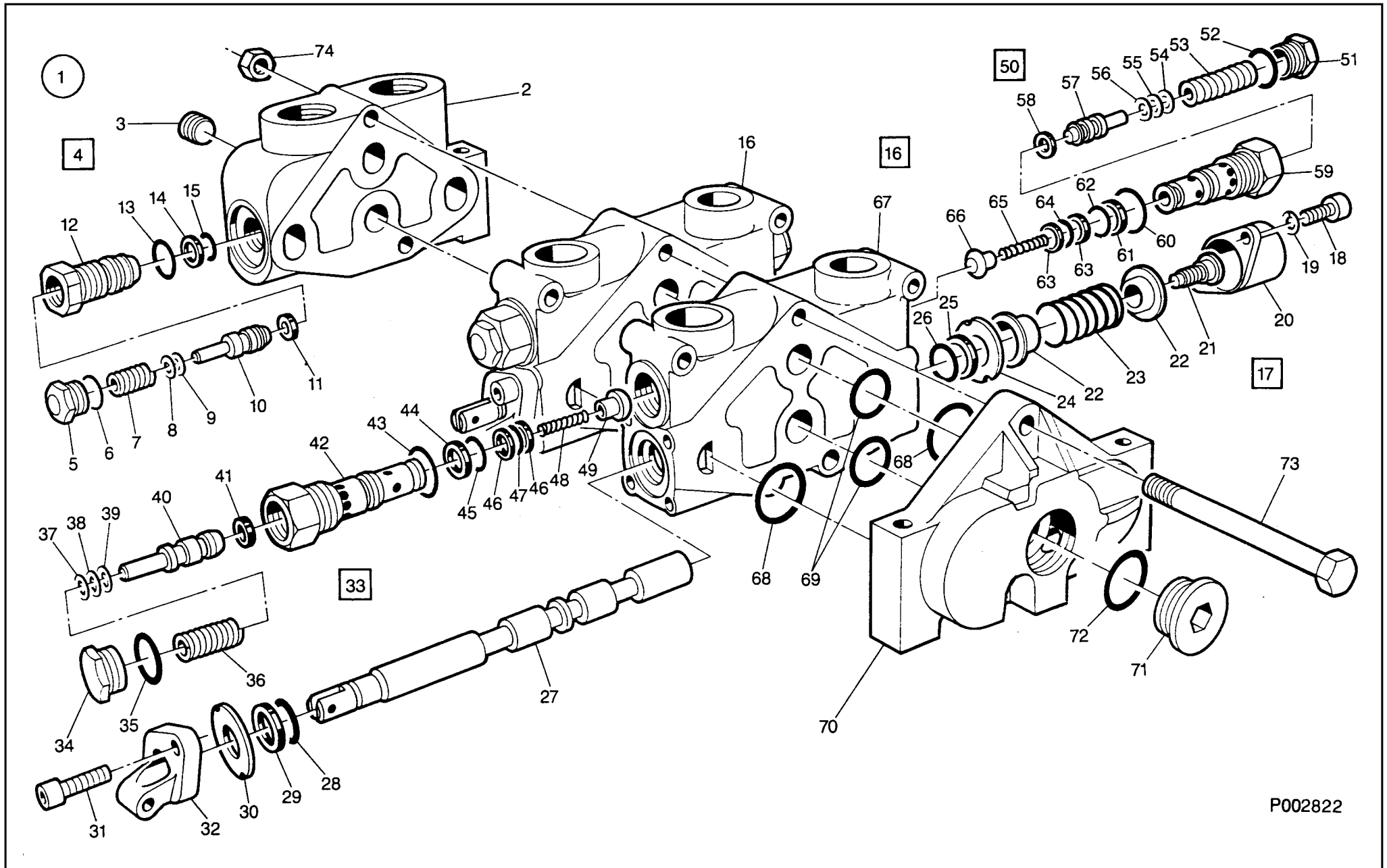
P008178



CONTROL VALVE (ONE BANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	210081	1	CONTROL VALVE	(Revised 27-05-2004)
2	220222	1	COVER, Inlet	
3	NSI	1	SCREW, Grub	
4	220224	1	VALVE, Relief, Main, 2 000 psi	
5	220223	1	SECTION, Valve	
6	140320	2	KIT, Seal, Inbetween Section	Pre 1991
7	*	2	SCREW, Cap	
8	*	2	WASHER, Lock	
9	*	1	COVER	
10	*	1	SCREW, Adjusting	
11	*	2	COLLAR, Stop	
12	220193	1	SPRING	
13	220196	A/R	SHIM, 0.04"	
13	220197	A/R	SHIM, 0.02"	
13	220198	A/R	SHIM, 0.01"	
14	**	2	RING, Retaining	
15	**	2	O RING	
16	NSI	1	SPOOL	Supplied with 220223
17	202201	1	BRACKET	
18	NSI	2	SCREW	
19	210145	1	CARTRIDGE, Port Relief	
20	210148	1	CARTRIDGE, Port Relief, 2 000 psi	
21	140175	2	KIT, Seal, Port Relief Valve	
22	140244	1	KIT, Seal, Main Relief Valve	
23	210169	1	COVER, Outlet	
24	NSI	1	PLUG	
25	140363	1	O RING	
26	NSI	3	BOLT	
27	NSI	3	NUT	
28	220205	1	KIT, Back Cover	Includes Items Marked *
29	140179	1	KIT, Seal, Neutral Positioner	Includes Items Marked **
30	222823	2	KIT, Seal, Inbetween Sections	

CONTROL VALVE (TWO BANK)



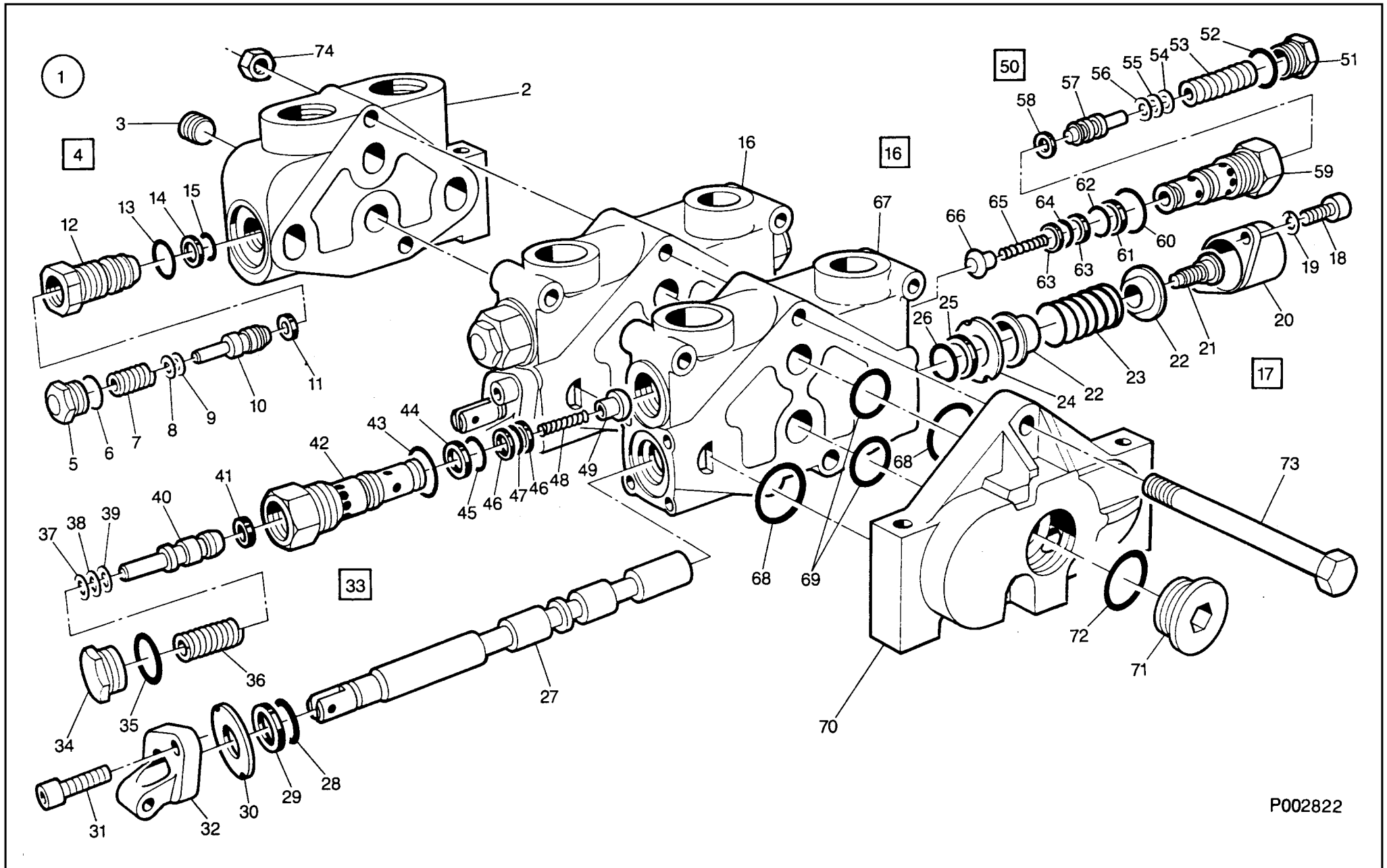
P002822



CONTROL VALVE (TWO BANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	210635	1	CONTROL VALVE (TWO BANK)	
2	220222	1	COVER, Inlet	
3	NSI	1	SCREW	
4	220224	1	VALVE, Relief, Main, 2 000 psi	
5	NSI	1	CAP, End	
6	*****	1	O RING	
7	NSI	1	SPRING, Compression	
8	220196	A/R	SHIM, 0.04"	
9	220198	A/R	SHIM, 0.01"	
10	NSI	1	VALVE, Relief	
11	NSI	1	RING, Piston	
12	NSI	1	BODY, Valve, Relief	
13	*****	1	O RING	
14	*****	1	RING, Backup	
15	*****	1	O RING	
16	220223	2	SECTION, Valve	
17	*	1	POSITIONING, Return, Neutral	
18	*	2	SCREW, Hex. Head	
19	*	2	WASHER, Lock	
20	*	1	COVER	
21	*	1	SCREW, Adjusting	
22	*	2	COLLAR, Stop	
23	*	1	SPRING	
24	***	1	RETAINER, Seal	
25	***	1	RING, Backup	
26	***	1	O RING	
27	NSI	1	SPOOL	Supplied with 220223.
28	***	1	O RING	
29	***	1	RING, Backup	
30	***	1	RETAINER, Seal	
31	NSI	2	SCREW, Hex. Head	
32	202201	1	BRACKET	
33	210148	1	CARTRIDGE, Port Relief, 2 000 psi	
34	NSI	1	CAP, End	
35	**	1	O RING	

CONTROL VALVE (TWO BANK)



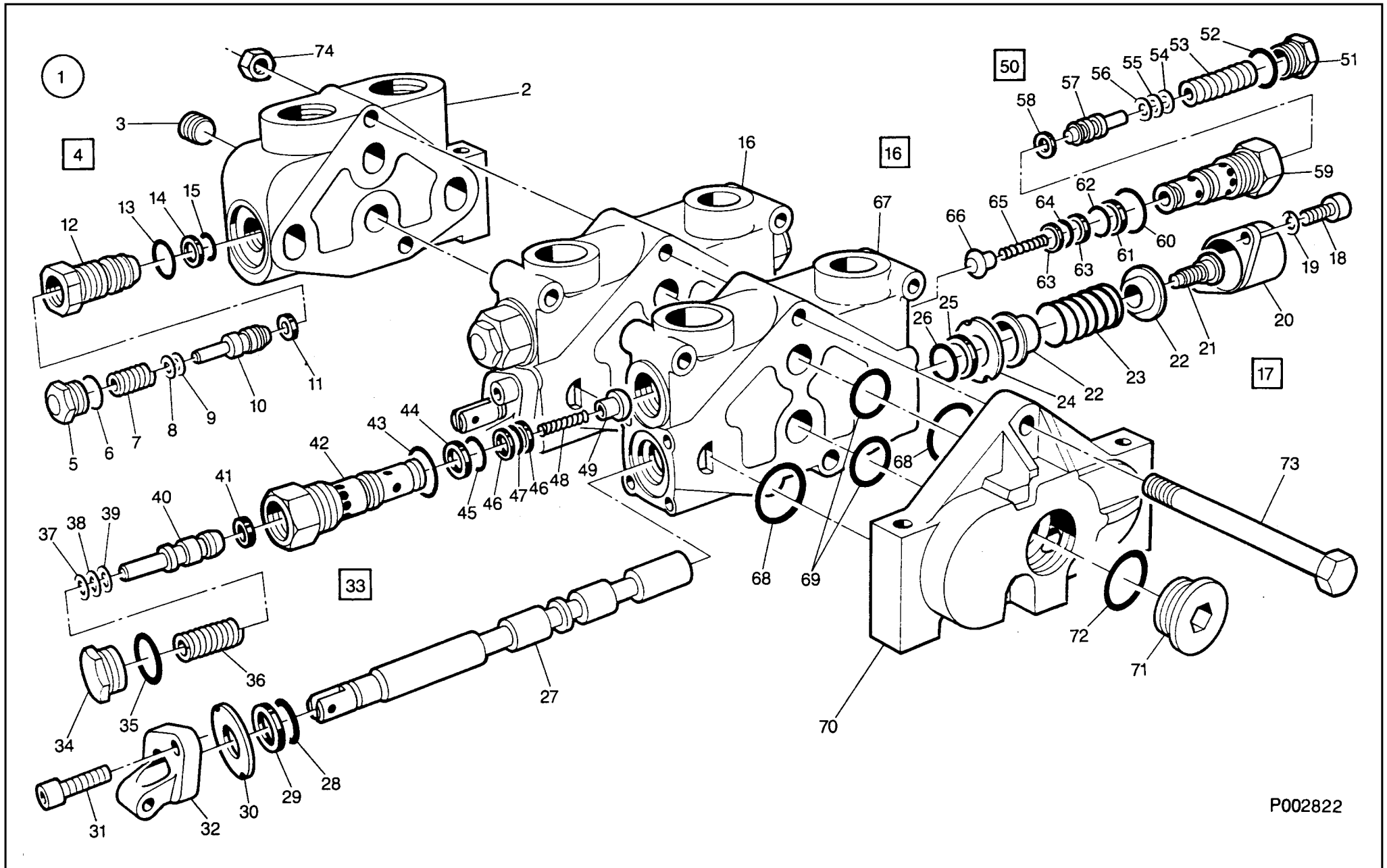
P002822



CONTROL VALVE (TWO BANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
36	220192	1	SPRING	
37	220196	A/R	SHIM, 0.04"	
38	220197	A/R	SHIM, 0.02"	
39	220198	A/R	SHIM, 0.01"	
40	NSI	1	VALVE, Relief, Pilot	
41	NSI	1	RING, Piston	
42	NSI	1	BODY, Valve, Relief	
43	**	1	O RING	
44	**	1	RING, Backup	
45	**	1	O RING	
46	**	2	RING, Backup	
47	**	1	O RING	
48	220202	1	SPRING	
49	220201	1	POPPET	
50	210145	1	CARTRIDGE, Port Relief	
51	NSI	1	CAP, End	
52	**	1	O RING	
53	220188	1	SPRING	
54	220196	A/R	SHIM, 0.04"	
55	220197	A/R	SHIM, 0.02"	
56	220198	A/R	SHIM, 0.01"	
57	NSI	1	VALVE, Relief, Pilot	
58	NSI	1	RING, Piston	
59	NSI	1	BODY, Valve, Relief	
60	**	1	O RING	
61	**	1	RING, Backup	
62	**	1	O RING	
63	**	2	RING, Backup	
64	**	1	O RING	
65	220202	1	SPRING	
66	220201	1	POPPET	
67	NSI	1	BODY, Section, Work	
68	****	2	O RING	
69	****	2	O RING	
70	210090	1	COVER	

CONTROL VALVE (TWO BANK)



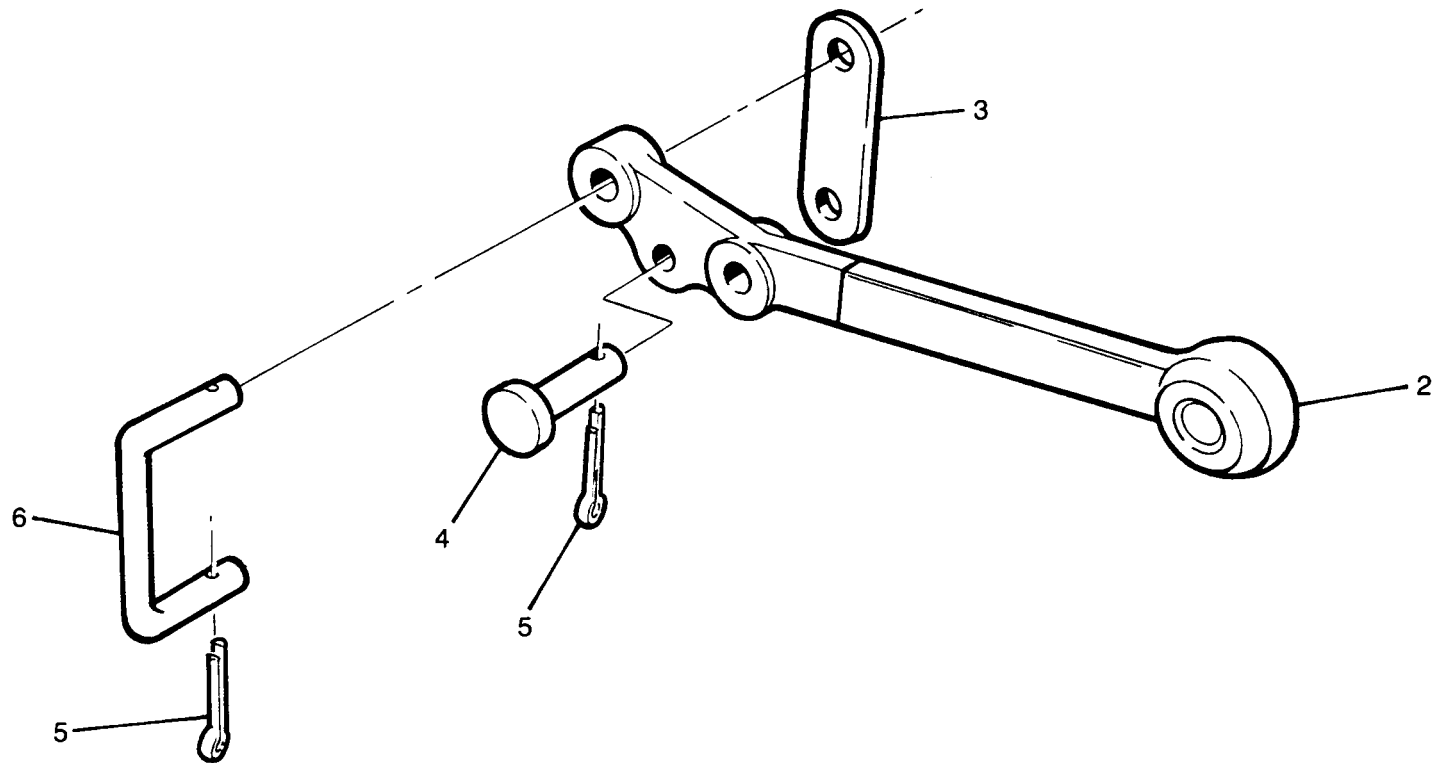
P002822

[illegible]

HANDLE ASSEMBLY

1

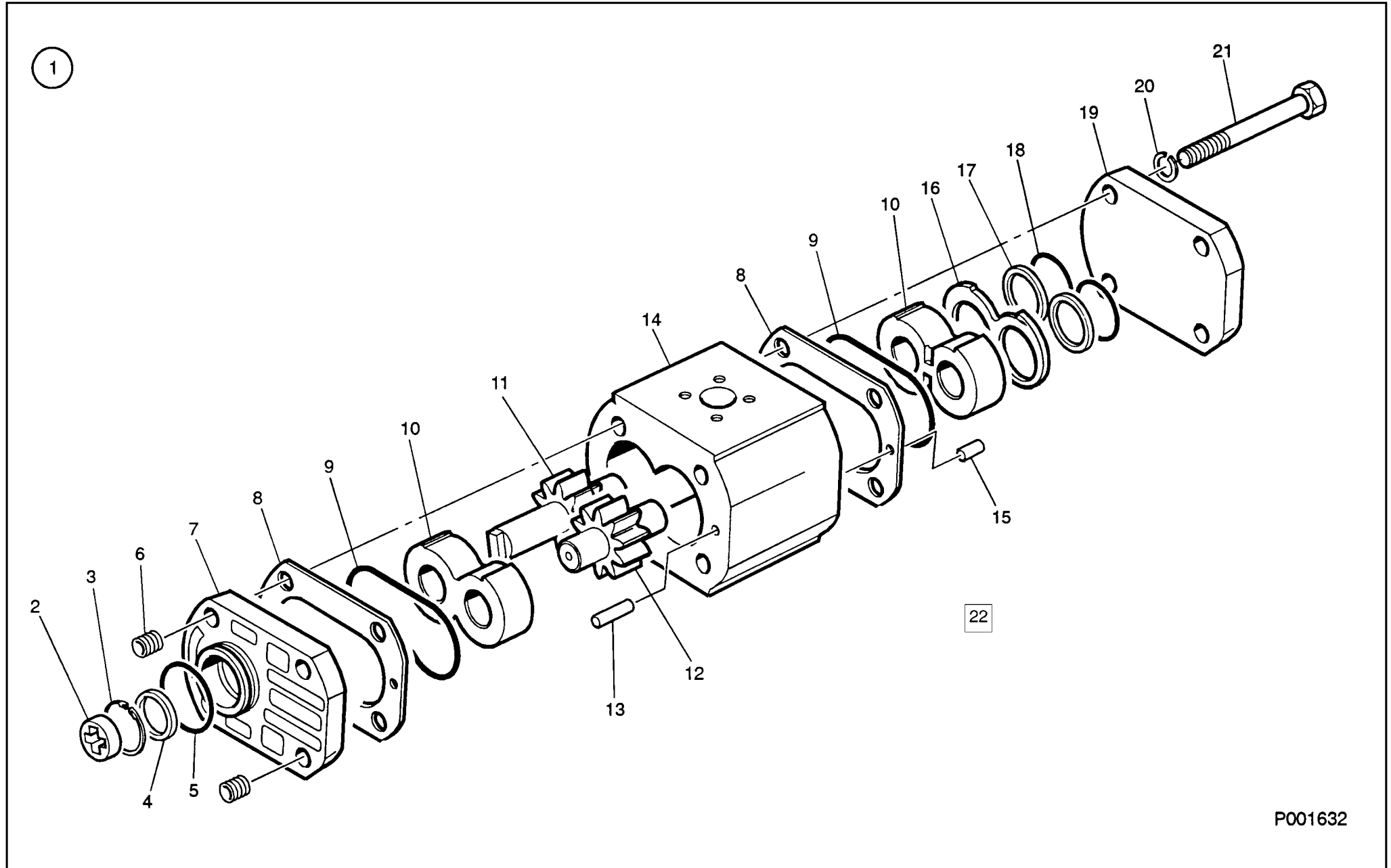
7



P001158

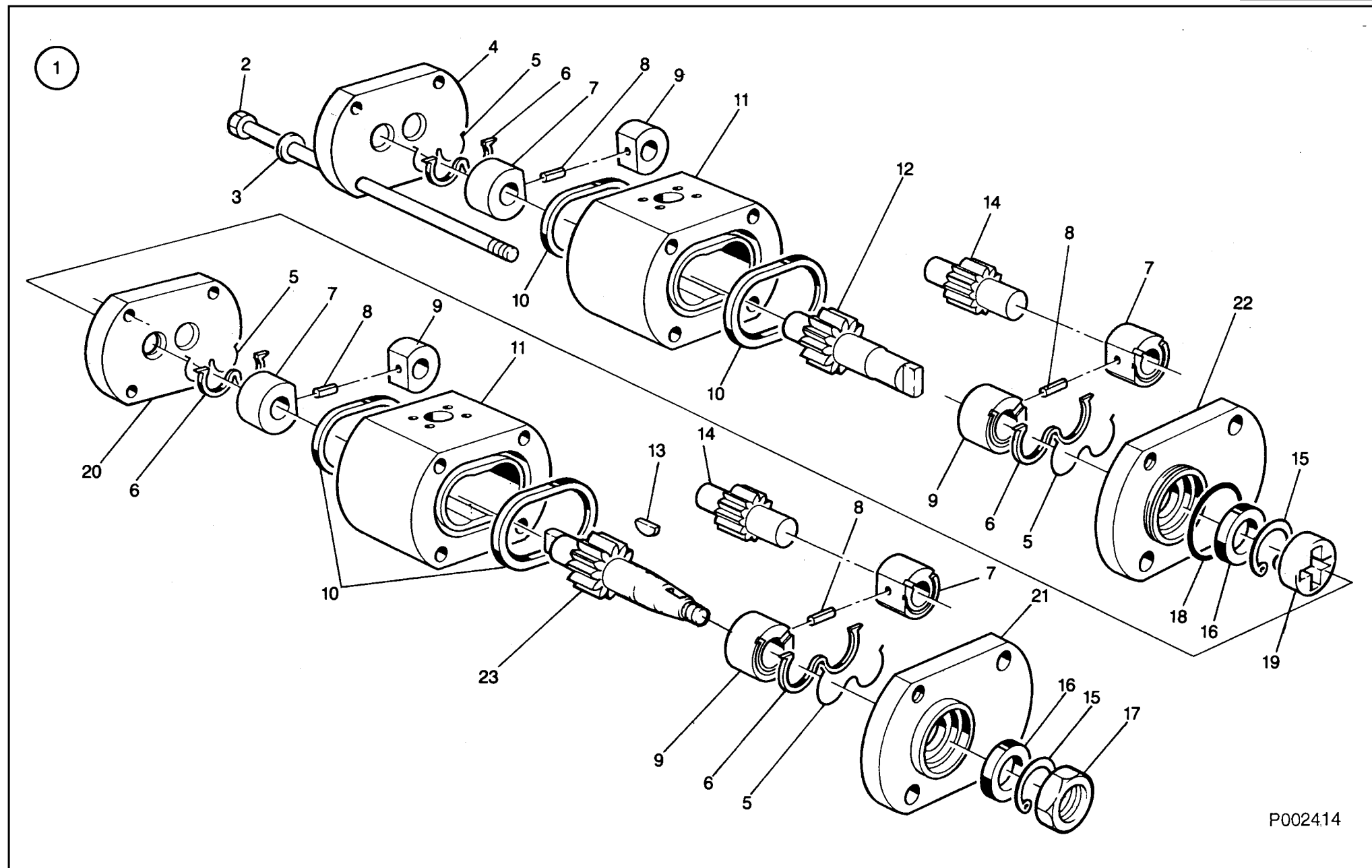
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HYDRAULIC PUMP (16cc)



[illegible]

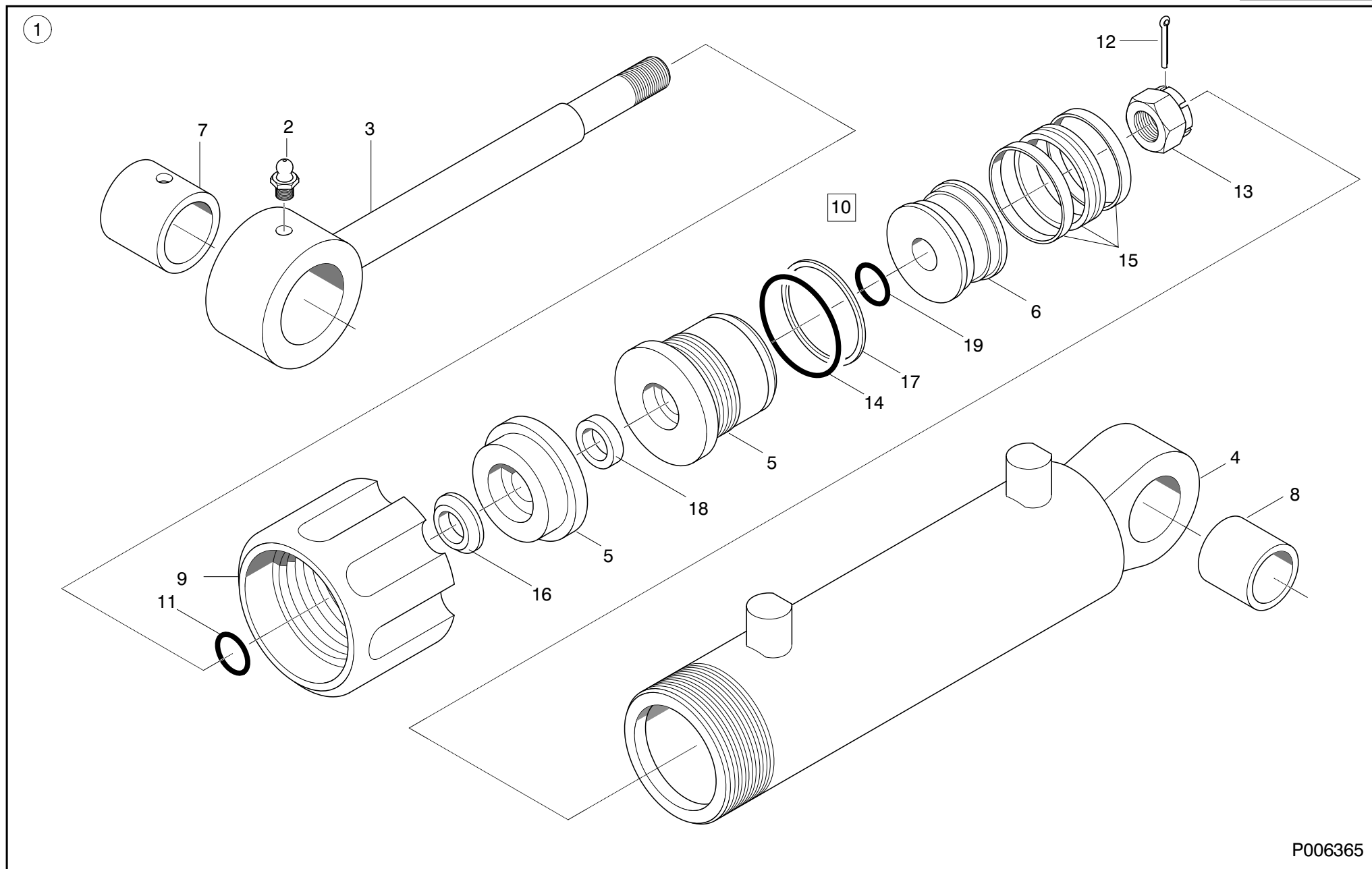
HYDRAULIC PUMP



P002414

[illegible]

CYLINDER ASSEMBLY (TILT)



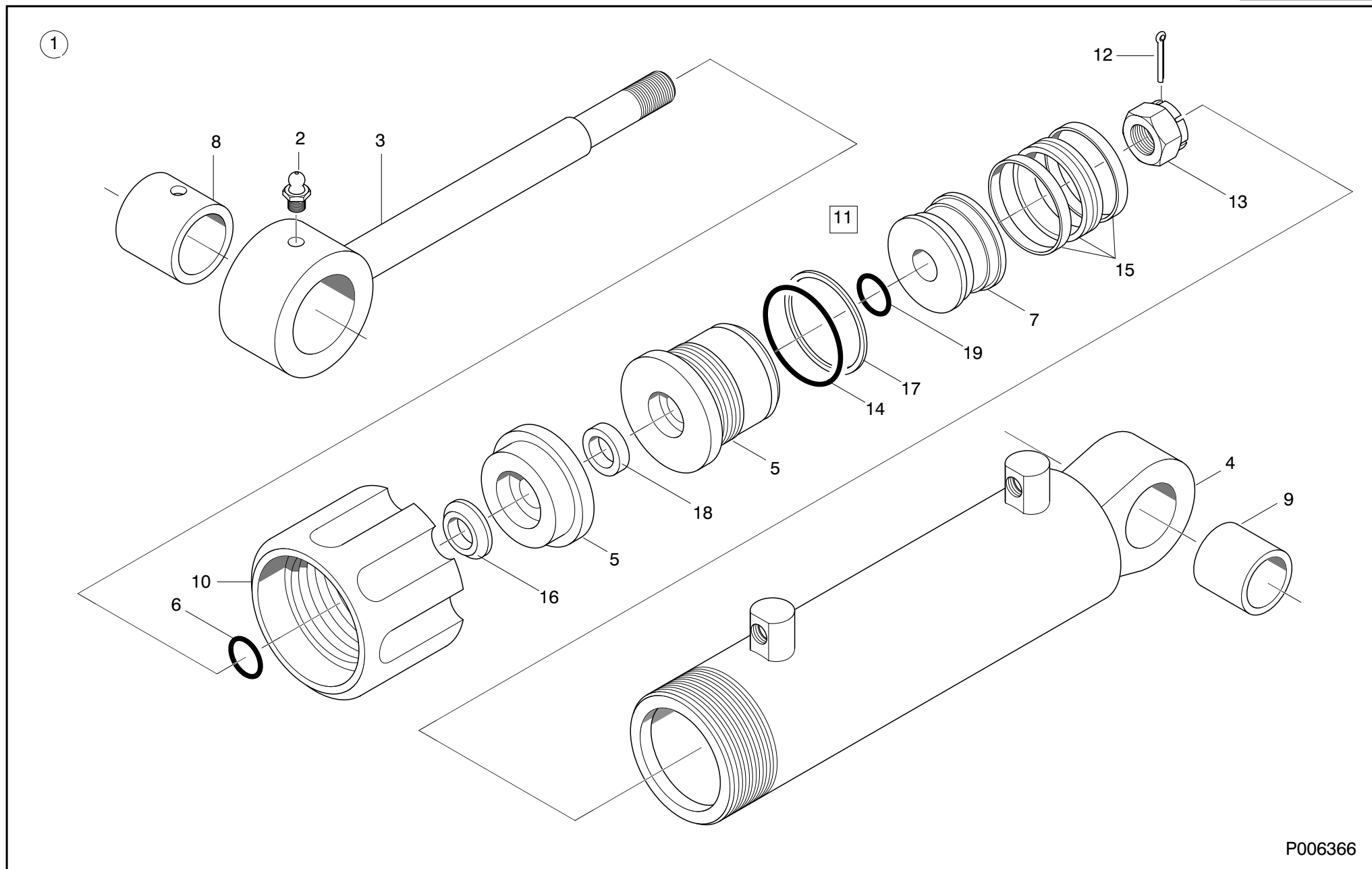
P006365



CYLINDER ASSEMBLY (TILT)

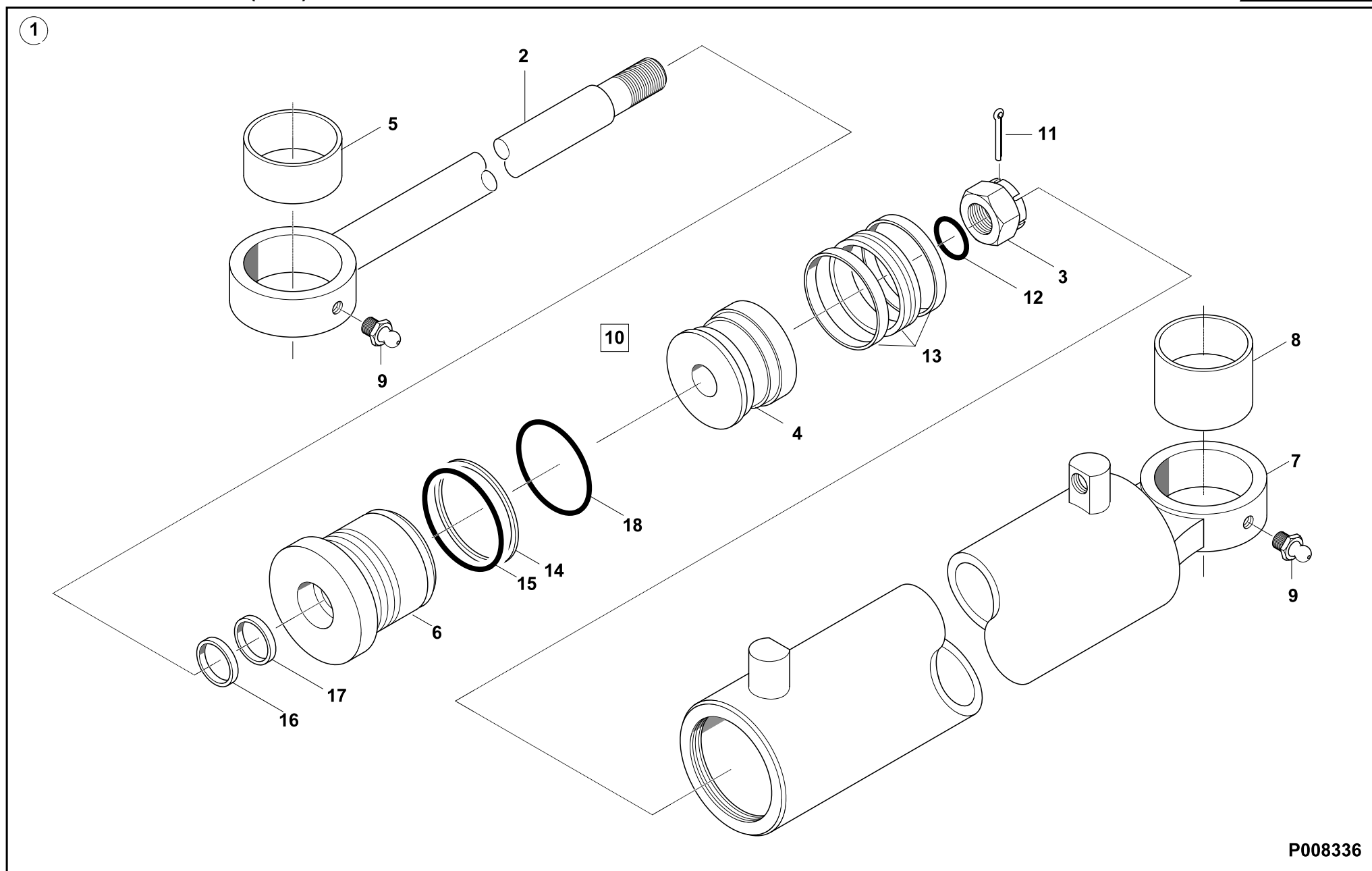
[illegible]

CYLINDER ASSEMBLY (OPEN CLOSE)



[illegible]

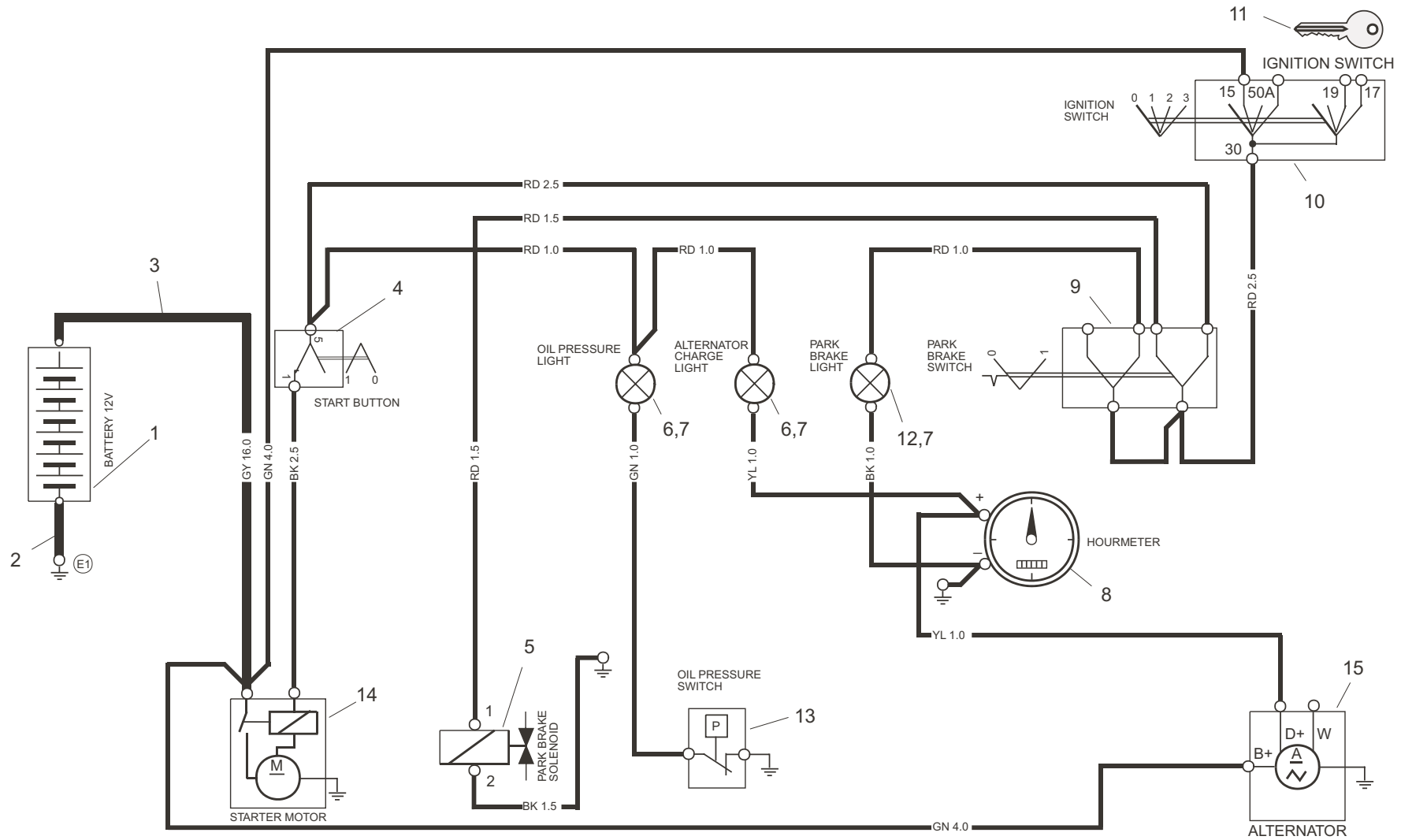
CYLINDER ASSEMBLY (LIFT)



[illegible]

SECTION 5. ELECTRICAL SYSTEM

ELECTRICAL SYSTEM



P005195



ELECTRICAL SYSTEM

[illegible]

INSTRUMENT PANEL ASSEMBLY



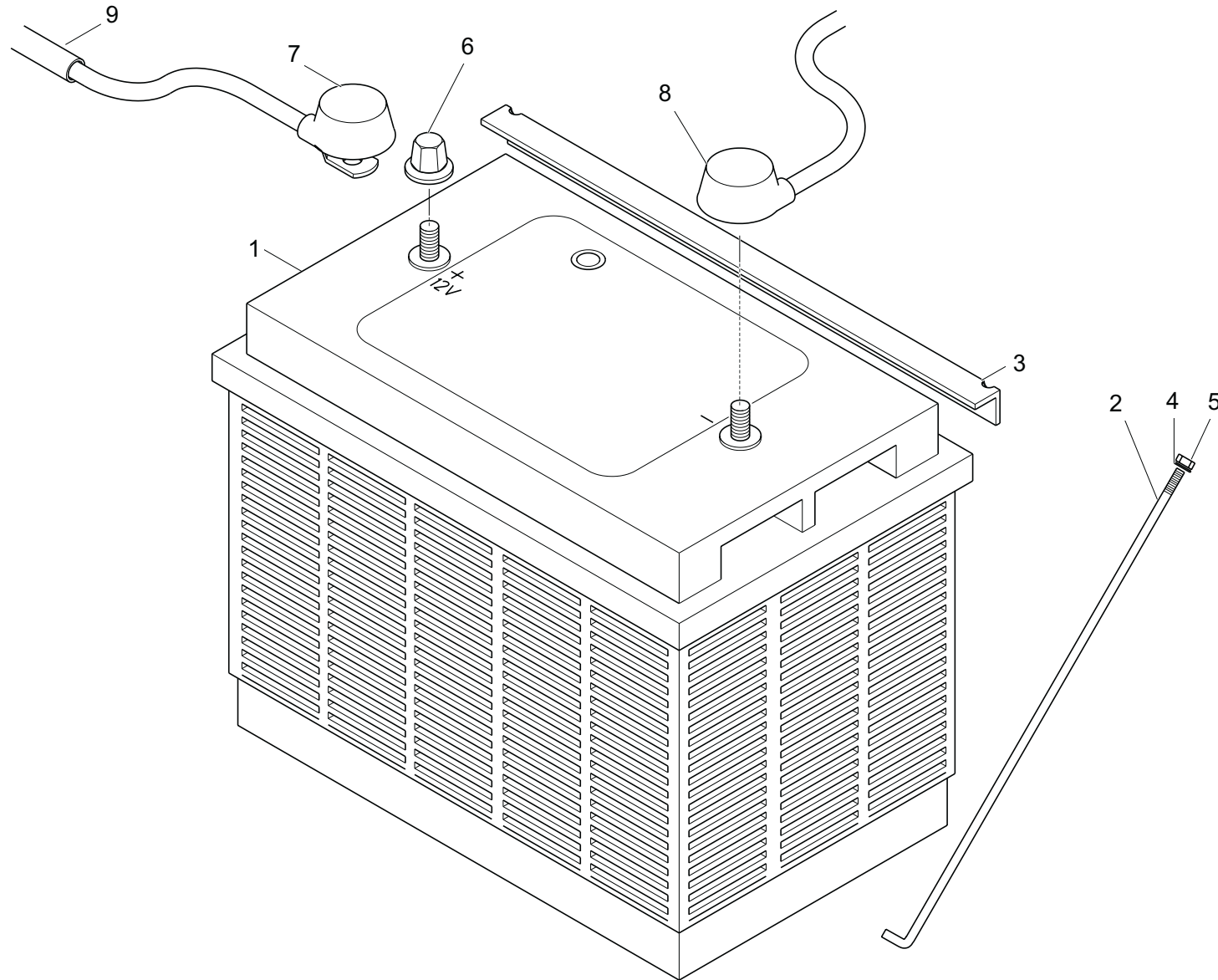
P005220



INSTRUMENT PANEL ASSEMBLY

[illegible]

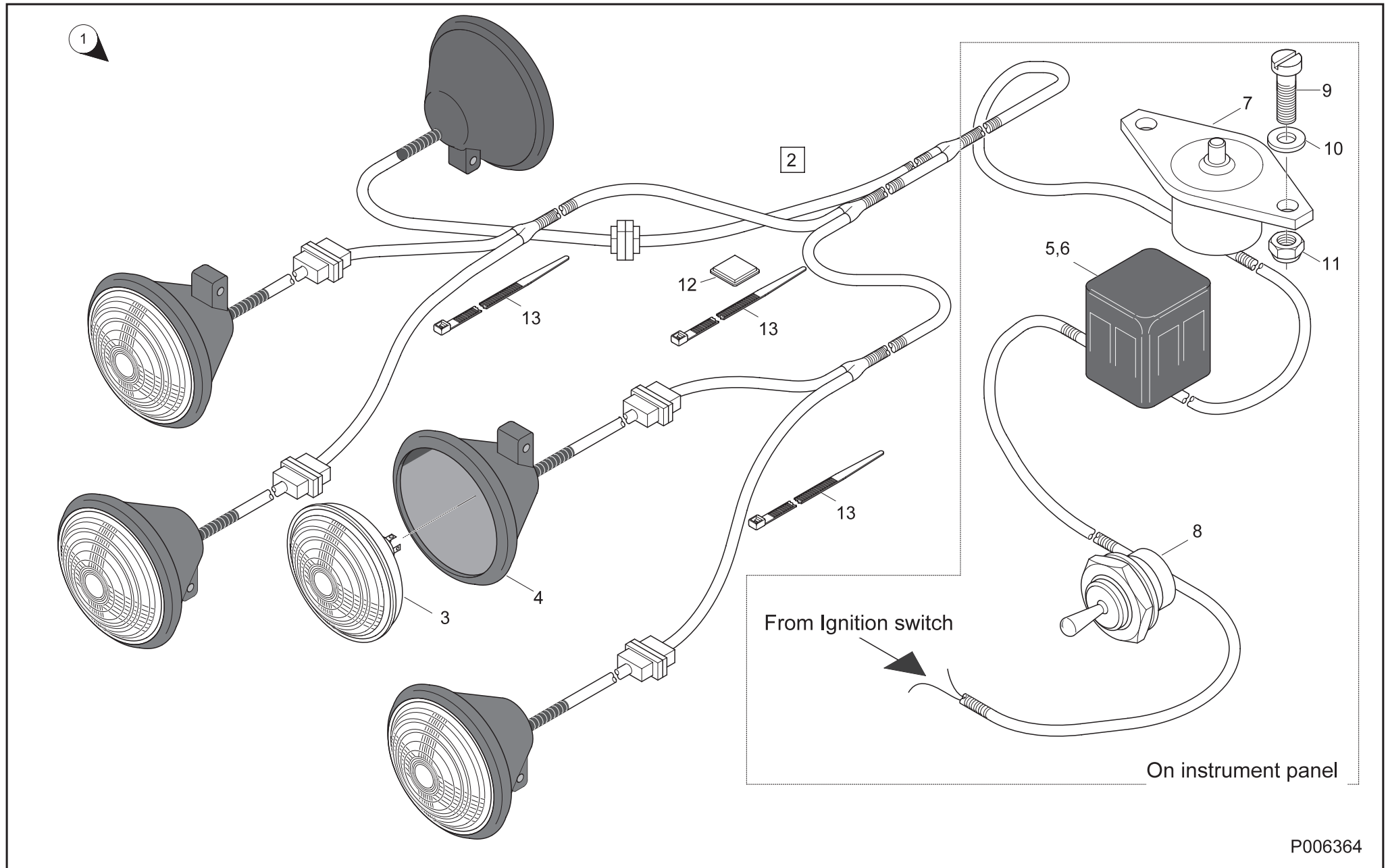
BATTERY AND CLAMPS



P005221

[illegible]

LIGHTING KIT (5 LIGHTS)

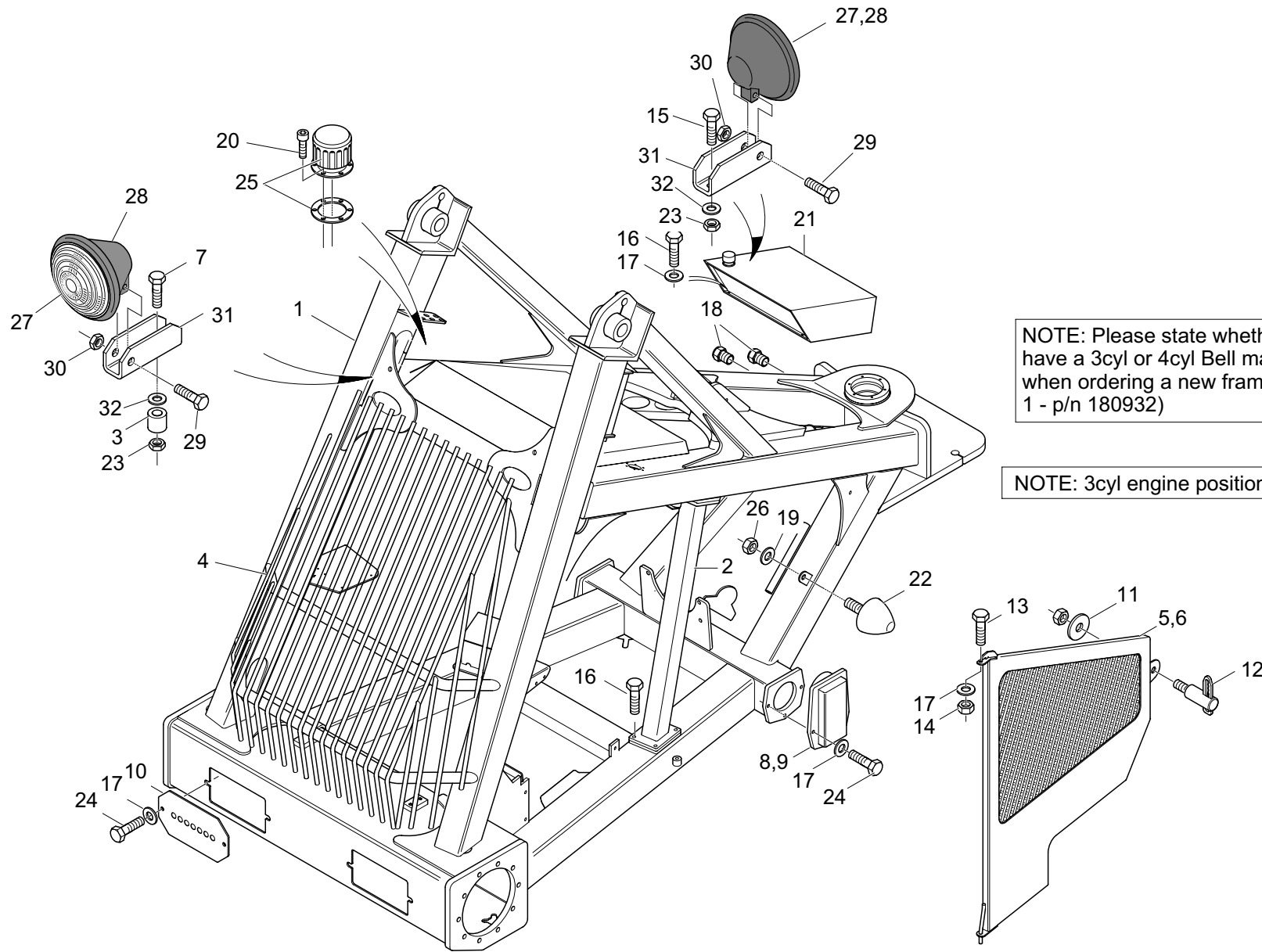


P006364

[illegible]

SECTION 6. FRAME AND BODY

FRAME AND BODY



NOTE: Please state whether you have a 3cyl or 4cyl Bell machine when ordering a new frame (item 1 - p/n 180932)

NOTE: 3cyl engine position frame shown

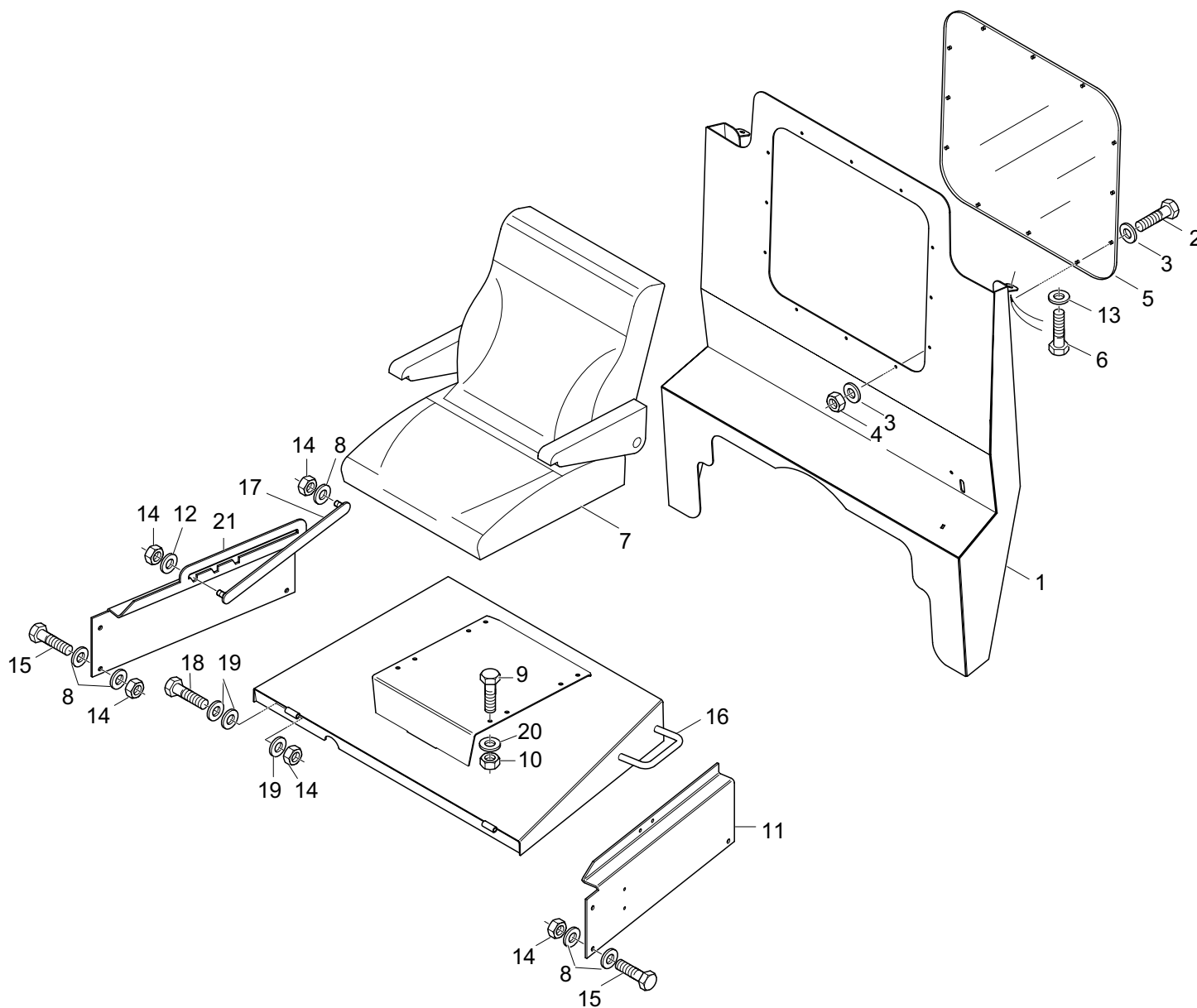
P006370



FRAME AND BODY

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	180932	1	FRAME ASSY	
2	180329	2	POST, Frame	
3	160721	2	BUSH, Spacer	
4	170343	1	GRID, Front	
5	180283	1	DOOR, Side, LHS	
6	180281	1	DOOR, Side, RHS	3 cyl
6	181371	1	DOOR, Side, Hinged, RHS	4 cyl
7	100722	2	BOLT, Hex. Head	
8	180581	1	BODY, Filter	Double port -1 used on 4cyl frame, on RHS only
9	180279	1	BODY, Filter	Single port - 2 used on 3cyl frame, on RHS and LHS
10	174708	2	PLATE, Cover	
11	172046	2	WASHER	
12	201409	2	FASTENER, Anti Loose	Includes nut
13	100116	2	BOLT, Hex. Head	Welded to door
14	100316	2	NUT, Nyloc	
15	100125	3	BOLT, Hex. Head	
16	100111	20	SCREW, Hex. Head	
17	100148	18	WASHER, Flat	
18	210187	2	SIGHT GLASS	
19	100062	4	WASHER	
20	100953	6	SCREW, Cap	
21	180282	1	TANK, Fuel	
22	200305	4	RUBBER, Door Stop	
23	100293	5	NUT	
24	100210	8	SCREW, Hex. Head	
25	210099	1	FILTER BREATHER	
26	100312	4	NUT, Nyloc	
27	200222	5	BEAM, Sealed	
28	200221	5	LAMP, Housing	Includes items 29 to 31
29	*	1	SCREW, Hex. Head	
30	*	1	NUT, Nyloc	
31	*	1	MOUNTING	
32	100010	5	WASHER	

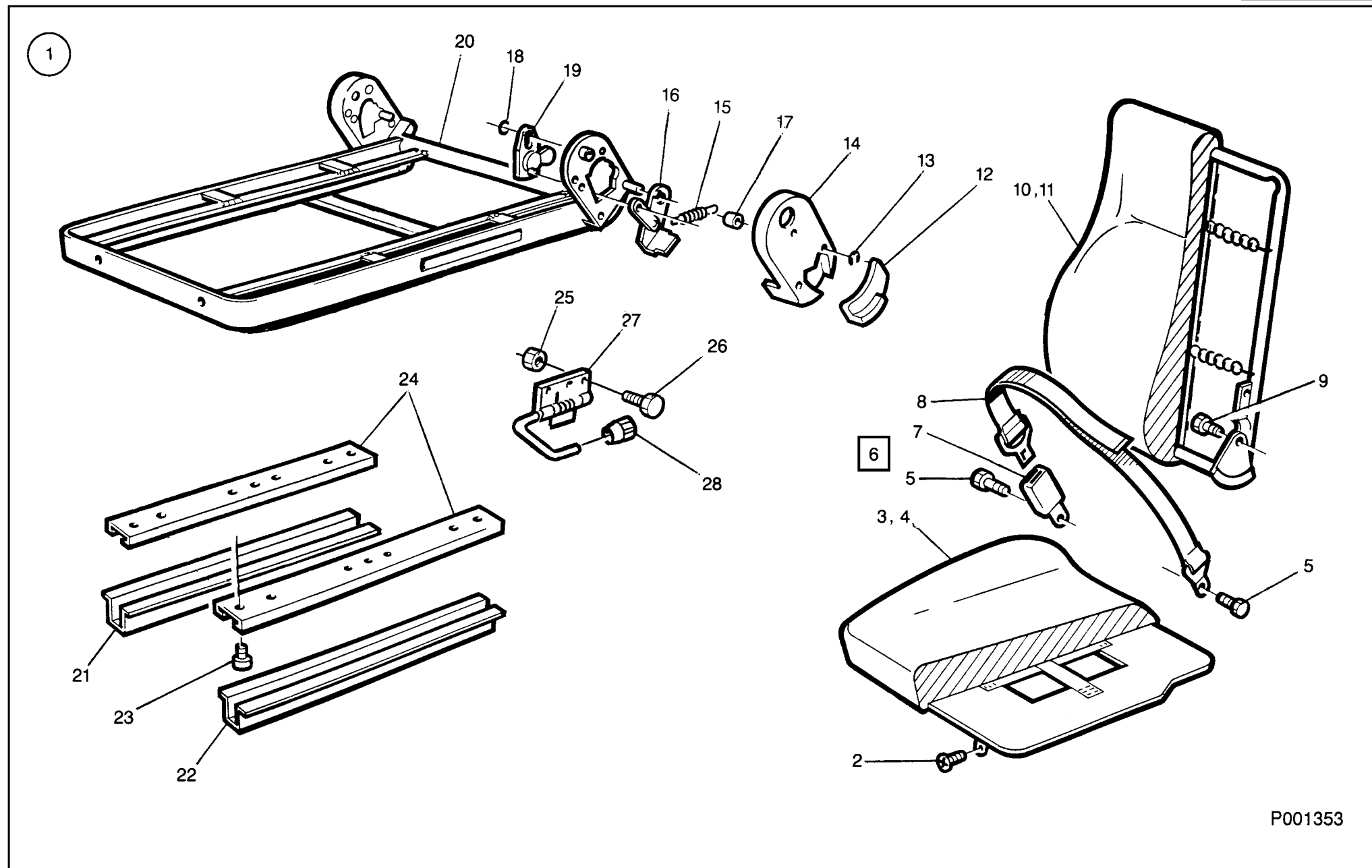
CAB ASSEMBLY



P005226

[illegible]

SEAT ASSEMBLY

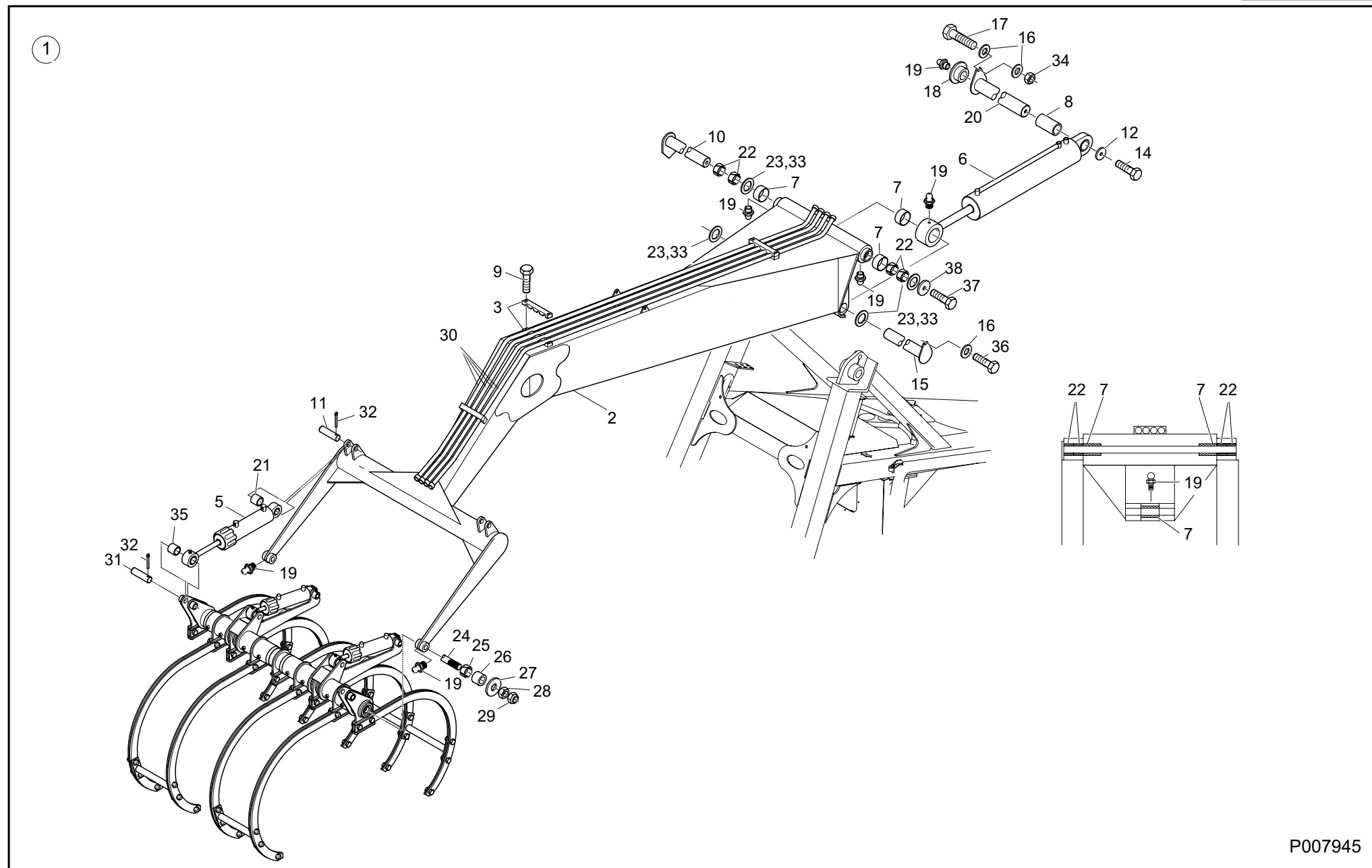




SEAT ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	290013	1	SEAT ASSEMBLY	
2	NSI	2	SCREW	
3	202447	1	CUSHION, Seat	
4	202449	1	COVER, Seat	
5	NSI	2	BOLT	
6	224765	1	SEAT BELT ASSY	
7	NSI	1	CLASP, Belt, Seat	
8	NSI	1	BELT, Seat	
9	NSI	1	BOLT	
10	202446	1	CUSHION, Backrest	
11	202448	1	COVER, Backrest	
12	202503	1	HANDLE, Adjust, Backrest	
13	202504	1	CIRCLIP	
14	202505	1	CAP, Locking	
15	202506	1	SPRING, Tension	
16	202507	1	HANDLE	
17	NSI	1	SPACER	
18	NSI	1	CLIP, Retaining	
19	202443	1	LOCK, Inside	
20	NSI	1	BASE	
21	202445	1	SLIDE, Free	
22	202920	1	SLIDE, Locking	
23	NSI	4	BOLT	
24	202444	2	SLIDE, Master	
25	100309	2	NUT, Nyloc	
26	100383	1	SCREW, Hex. Head	
27	202921	1	HANDLE, Rail	
28	202922	1	KNOB, Handle	

BOOM ASSEMBLY

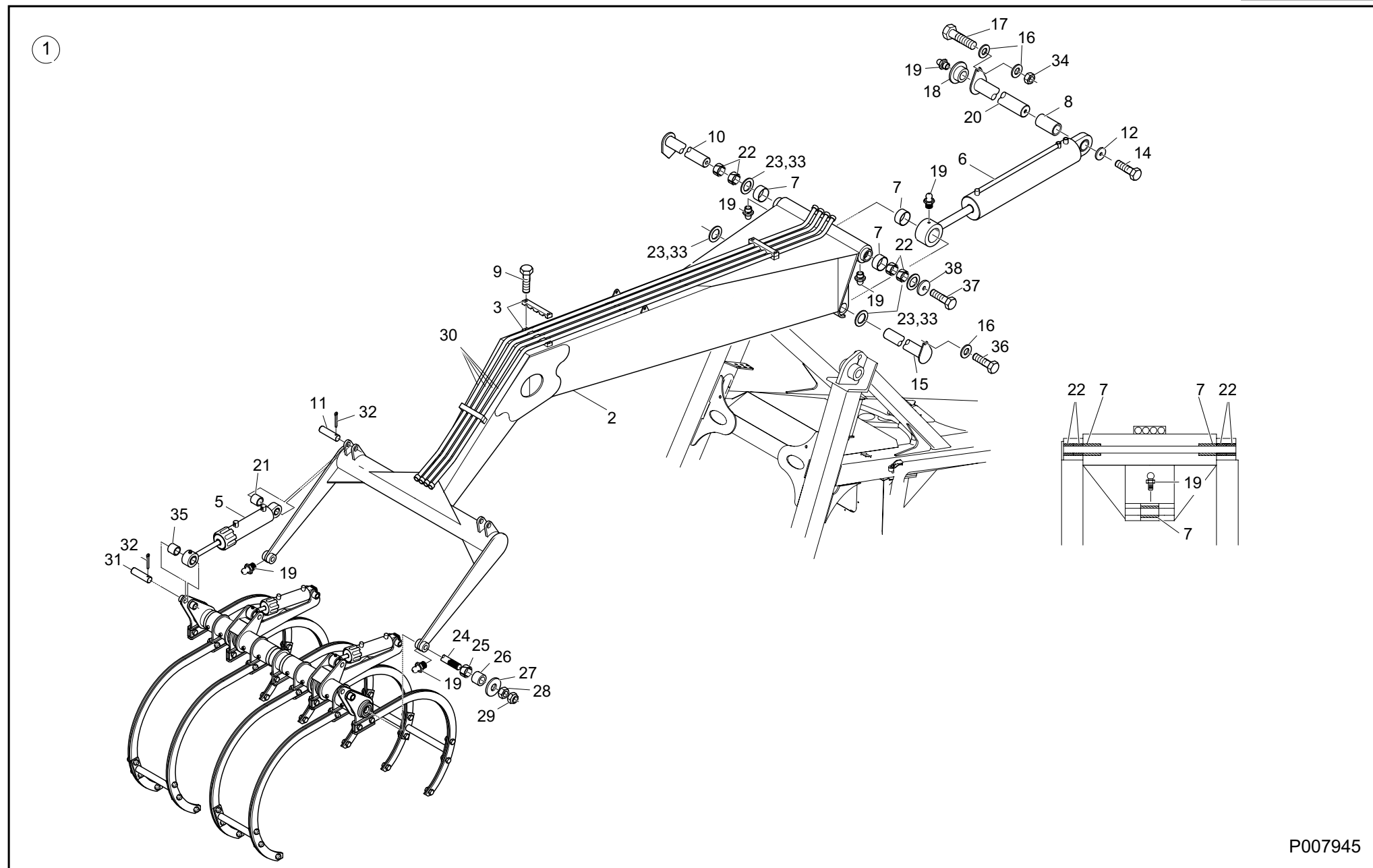




BOOM ASSEMBLY

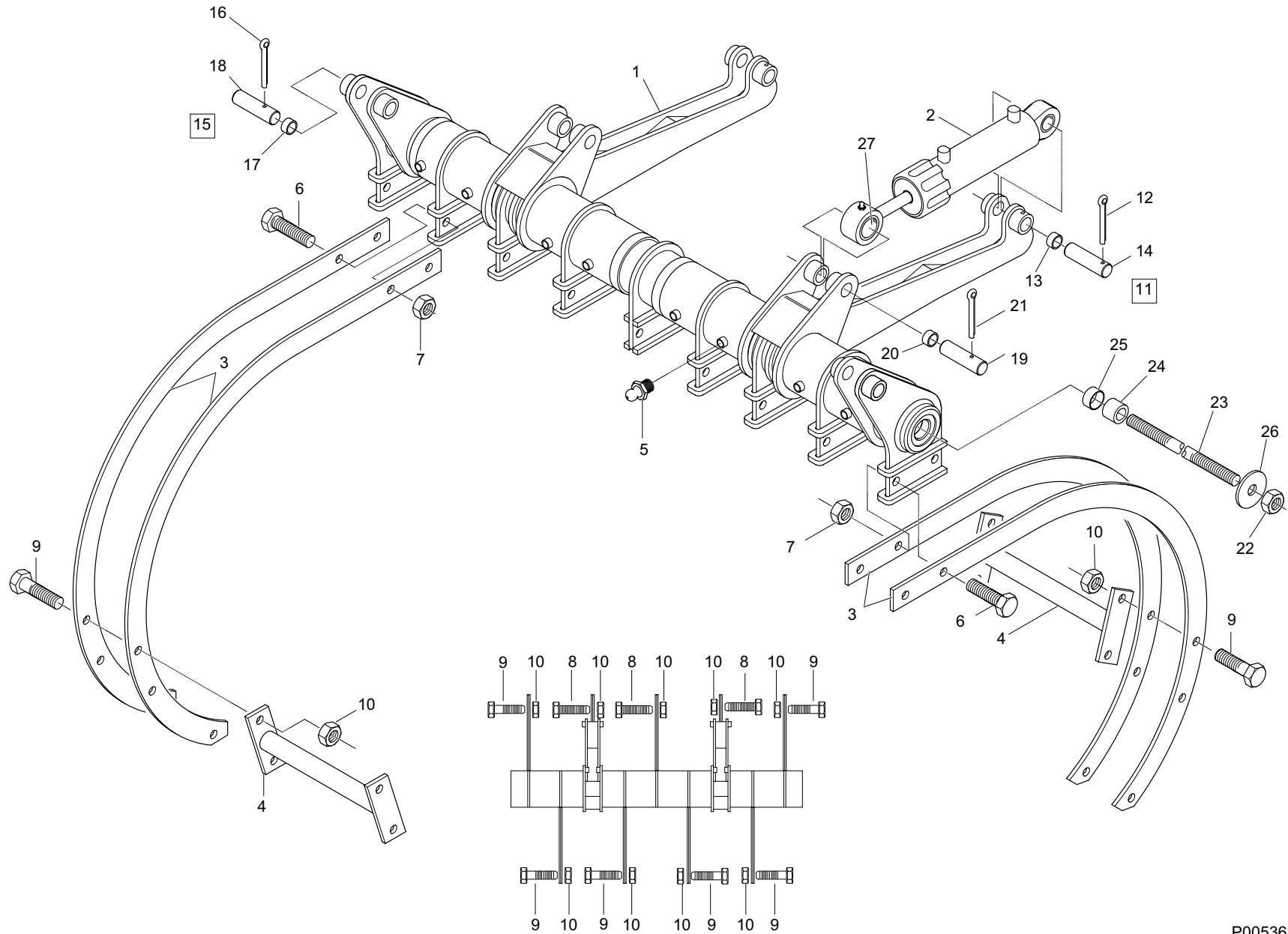
ITEM	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	320181	1	BOOM ASSEMBLY	
2	183212	1	BOOM	
3	173931	3	CLAMP	Includes Item Number 9
4	100212	1	SCREW, Hex. Head	
5	230103	2	CYLINDER, High Capacity	
6	230165	1	CYLINDER, Boom Lift	
7	160299	3	BUSH, Bronze	
8	160281	1	BUSH, Bronze	Included in 230255
9	100128	2	SCREW, Hex. Head	
10	160046	1	PIN	
11	160084	2	PIN ASSY	
12	160049	1	WASHER	
13	160031	1	BUSH, Nylon, Strip	
14	100211	1	SCREW, Hex. Head	
15	161363	1	PIN	
16	100148	3	WASHER, Flat	
17	100702	1	BOLT, Hex. Head	
18	120149	1	REDUCER	
19	200036	6	GREASE NIPPLE	
20	162381	1	PIN	
21	160030	2	BUSH, Nylon	Included in 230103
22	160029	4	BUSH, Nylon Strip	
23	161590	A/R	SPACER, Nylon 1/16"	
24	161214	1	STUD	
25	160051	2	BUSH, Nylon, 1/16"	
26	160015	2	BUSH	
27	160014	2	PLATE, Retaining	
28	100406	2	NUT	
29	100321	2	NUT, Nyloc	
30	181756	4	PIPE ASSY	
31	160082	2	PIN	
32	100018	4	SPLITPIN	
33	161589	A/R	SPACER, Nylon 1/8"	
34	100316	1	NUT, Nyloc	
35	160028	2	BUSH, Nylon, Strip	Included in 230103

BOOM ASSEMBLY



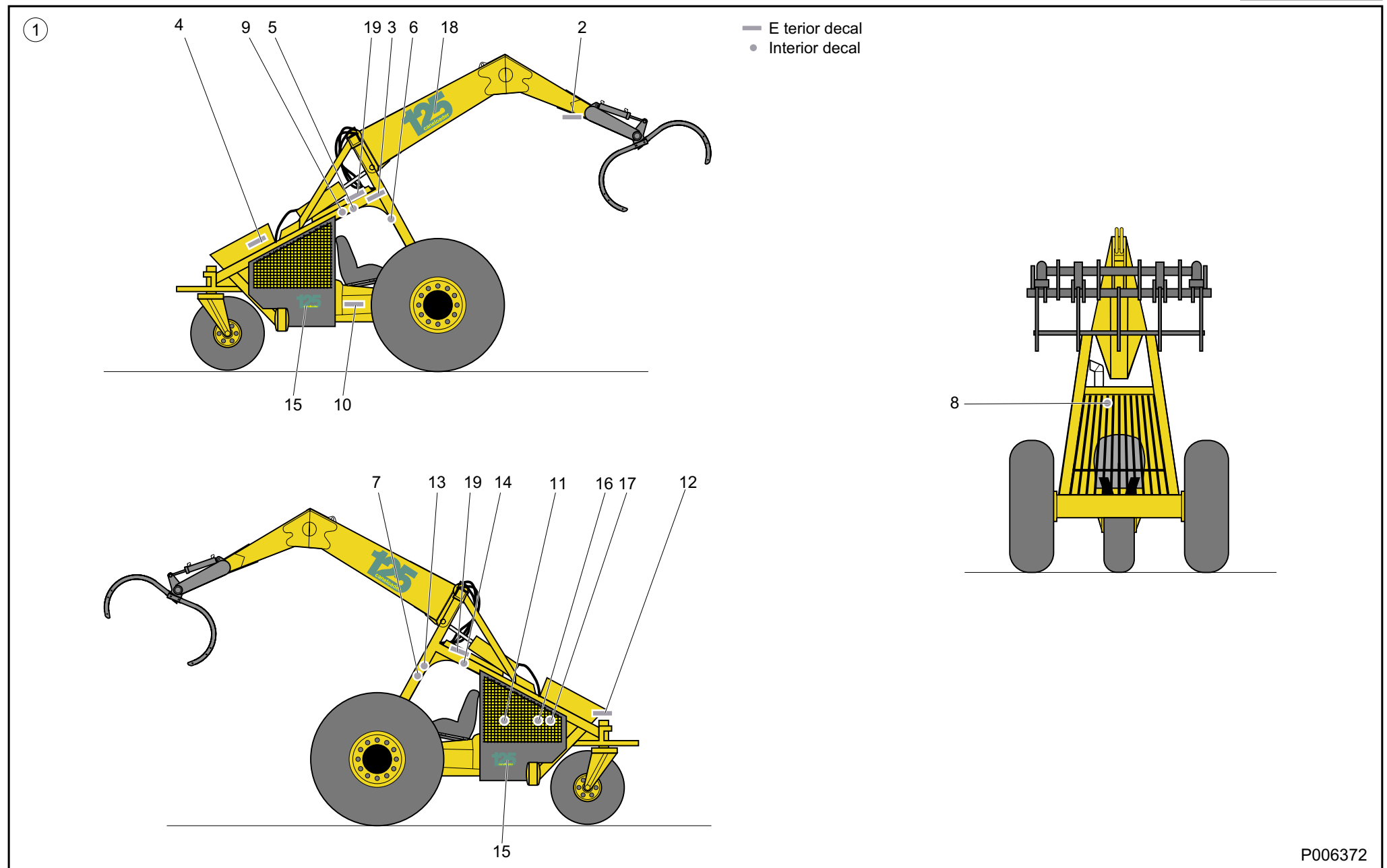
[illegible]

CANE GRAB ASSEMBLY



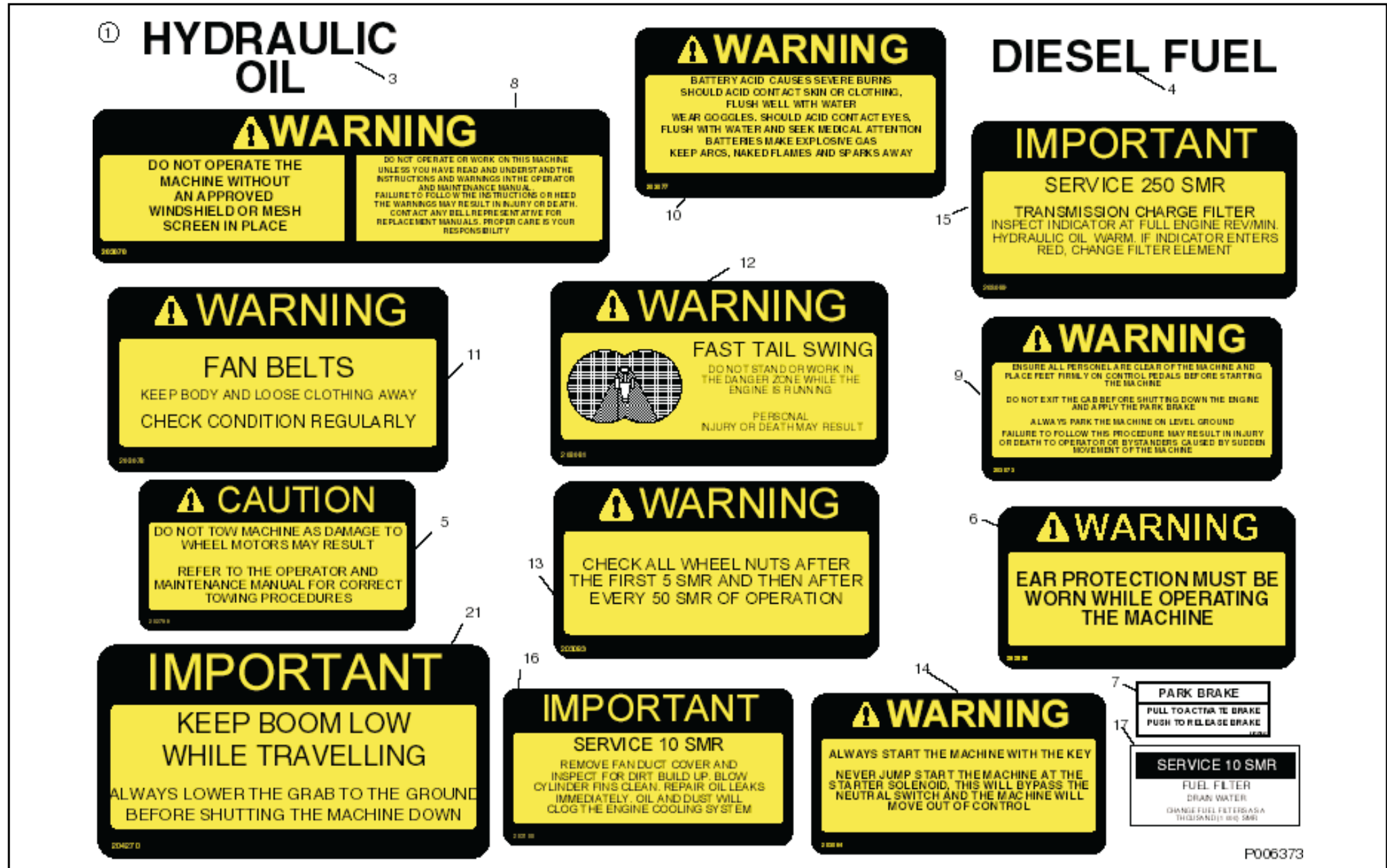
[illegible]

DECAL LAYOUT



[illegible]

DECALS



P006373

