

GEHL®

Form No.
908542
Revision B
July 2007

Model 502

Compact Excavator

Serial Number AA01022 to AA01890



Parts Manual

INTRODUCTION

When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number. For your safety and continued proper operation, use only genuine GEHL service parts.

The model and serial number for this unit are on a tag located on a panel on the front of the cab.

“Right” and “left” are determined from a position sitting on the operator’s seat and facing forward.

GEHL Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

Refer to the abbreviations table located on this page for special parts descriptions. Standard attaching hardware torque values are also provided near the back of this manual. Metric torque values shown in the illustrations are in Newton-meters and are converted to foot-pounds by multiplying by 0.738.

Specific reference numbers, indicating a complete assembly, are circled in some illustrations. A small bag, pictured in some illustrations, indicates a seal kit (seals, o-rings, etc.). In the exploded view parts list, additional information may follow the Reference Number.

Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers between 1000 and 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

Serial number exceptions and inclusion are indicated as follows:

- (SN 999 and before except 997) - indicates serial numbers up to and including 999, EXCEPT 997.
- (SN 1000 - 2000 except 1996 including 997) - indicates serial numbers between 1000 and 2000, INCLUDING 997 EXCEPT 1996.

- (SN 2001 and up including 1996) - indicates serial numbers including 2001 and after, INCLUDING 1996.

Unless otherwise specified, all cap screws and bolts are Grade 8.8, cadmium or zinc plated.

NOTE: *The following abbreviations may be used herein:*

ASSD.....	Assembled
ASY.....	Assembly
ASSY.....	Assembly
AR.....	As Required
CB.....	Carriage Bolt
CP.....	Cotter Pin
CS.....	Cap Screw (Hexagon Head)
CYL.....	Cylinder
DIA.....	Diameter
FHCS.....	Flat Head Cap Screw
GR.....	Grade
HB.....	Hex Bolt
HLN.....	Hex Lock Nut
HN.....	Hex Nut
HP.....	High Pressure
HYD.....	Hydraulic
INS.....	Insert
LH.....	Left Hand
LN.....	Lock Nut
LT.....	Left
LW.....	Lock Washer
M.....	Meter or Meters
MM/mm.....	Millimeter
NPT.....	National Pipe Threaded
NSS.....	Not Sold Separately
RH.....	Right Hand
RT.....	Right
SHCS.....	Socket Head Cap Screw
SLTD.....	Slotted
SN.....	Serial Number or Slotted Nut
SQ.....	Square
W/.....	With
W/O.....	Without

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DECAL LOCATIONS

GENERAL INFORMATION

Decal location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted. Refer to the listing for the illustration reference number, part number, description and quantity of each decal provided in the kit. Refer to the appropriate illustrations for replacement locations.

To ensure proper selection of the correct replacement decals, compare all of the various closeup location drawings to your machine before starting to refinish the unit. Then circle each decal shown (applicable to your machine) while checking off its part number in the listing. After you have verified all the decals needed for replacement, place any extra unnecessary decals aside for disposal.

NOTE: Refer to the *SAFETY* chapter of the *Operator's Manual* for the specific information provided on all of the various safety decals furnished in the decal kit(s).

NEW DECAL APPLICATION

Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out the decal surface.



CAUTION

ALWAYS follow safety precautions on decals. Replace the decals if they are damaged, or if the unit is repainted. If repainting, **BE SURE** all applicable decals are affixed to your unit.

PAINT NOTICE

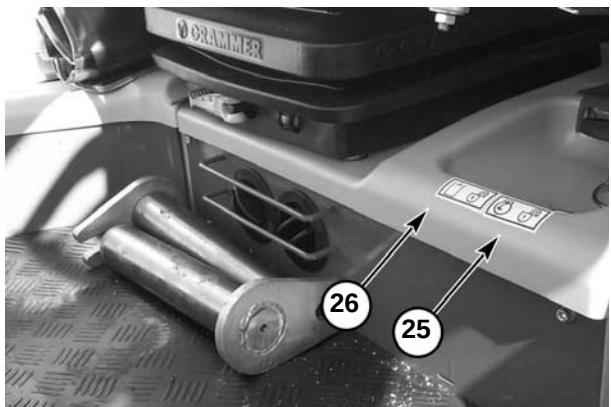
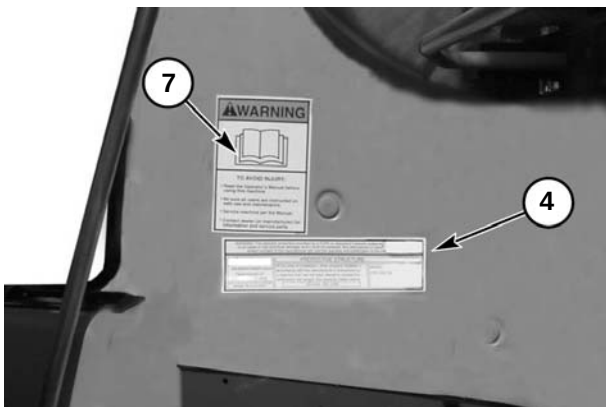
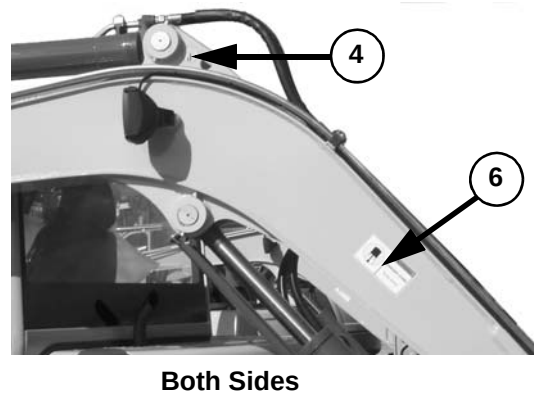
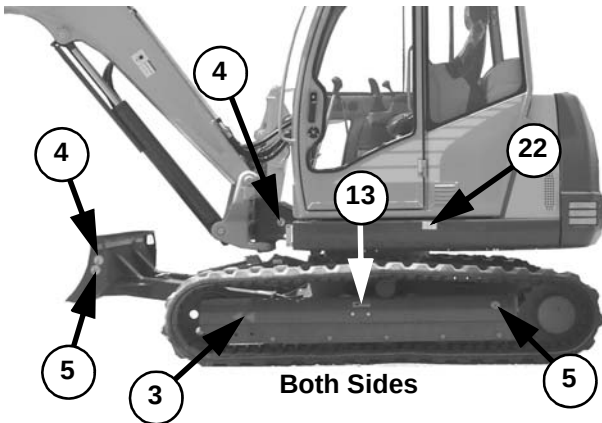
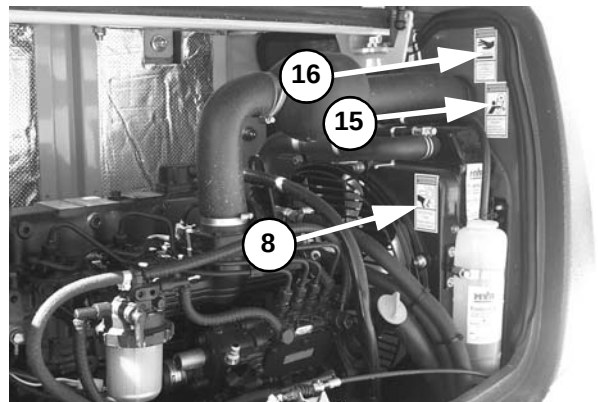
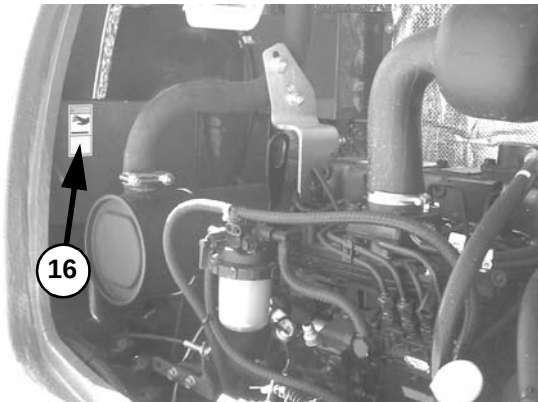
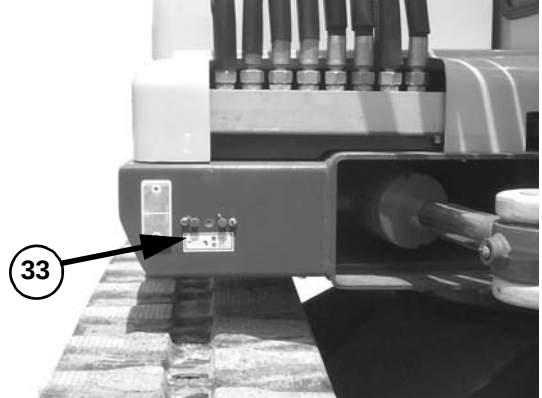
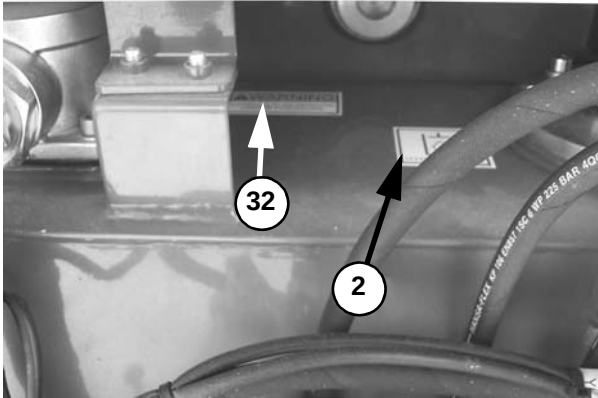
Use this list to order paint for refinishing:

167788	4 qts. Construction Yellow (GEHL)
167780	4 qts. Light Gray (GEHL)
167774	4 qts. Dark Gray (GEHL)
167789	6 (12.8 oz. Spray Cans) Yellow (GEHL)
167775	6 (12.8 oz. Spray Cans) Dark Gray (GEHL)
167781	6 (12.8 oz. Spray Cans) Light Gray (GEHL)

The decal kit for the Compact Excavator is listed below:

Ref. No.	Part No.	Description & Quantity
1	161965	Diesel Fuel
2	161966	Hydraulic Oil
3	161970	Arrow (2 places)
4	161981	Lift Point (4 places)
5	161982	Tiedown Point (4 places)
6	161985	WARNING - Keep Away (2 places)
7	161986	WARNING - Read Manual
8	161987	WARNING - Rotating Fan
9	162450	Travel Left
10	162451	Travel Right
11	163973	WARNING - Mandatory Shutdown
12	163974	Manual Throttle
13	163975	WARNING - Avoid Injury (2 places)
14	163976	WARNING - Avoid Injury
15	163977	WARNING - Entanglement Hazard
16	163978	WARNING - Hot Surface (2 places)
17	164854	WARNING - Avoid Injury
18	135905	502 (2 places)
19	162449	Dozer Blade - Up/Down
20	162452	Right Joystick Control
21	162453	Left Joystick Control
22	179674	Control Pattern
23	162824	Left Graphic
24	162825	Right Graphic
25	164853	Engine Compartment Latch
26	162832	Hydraulics Compartment Latch
27	102025	GEHL
28	183962	GEHL (2 places)
29	184043	GEHL
30	179705	Protective Structure
31	179681	Lifting Capacity
32	161969	Warning - Hydraulic Reservoir
33	161967	Lubrication

DECAL LOCATIONS



DECAL LOCATIONS



Overhead Panel Decals - positioning may vary by model and cabin style

HUBKRAFT/LIFTING CAPACITY/FORCE DE LEVAGE ISO 10567

		5.0m		4.0m		3.0m		2.0m	
B \ A	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram	Diagram
4.0m	1000°	675			950°	650	950°	950°	
3.0m	980°	495			980°	660	1080°	1060	
2.0m	1000°	425	1000°	425	1120°	625	1420°	980	
1.0m	1040°	380	1050°	450	1300°	575	1855°	880	
0.0m	1075°	390	1075°	380	1425°	530	2120°	810	
-1.0m	1110°	440			1390°	525	2110°	775	3400°
-2.0m	1140°	600					1650°	800	2650°
									1600

1. 2. 3. 4.

WARNING

MANDATORY SAFETY SHUTDOWN PROCEDURE

1. Lower all equipment to ground.
2. Reduce throttle; shut off engine.
3. Lock out controls before exiting.
4. Remove key and take it with you.

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1. 2. 3. 4.

WARNING

TO AVOID INJURY:

1. Load and transport unit properly. Inspect job site for hazards.
2. Operate only from operator's seat. Fasten seatbelt.
3. Keep people out of DANGER ZONE.
4. Operate within stability limit of machine. DO NOT OVERLOAD. Use only approved attachments.

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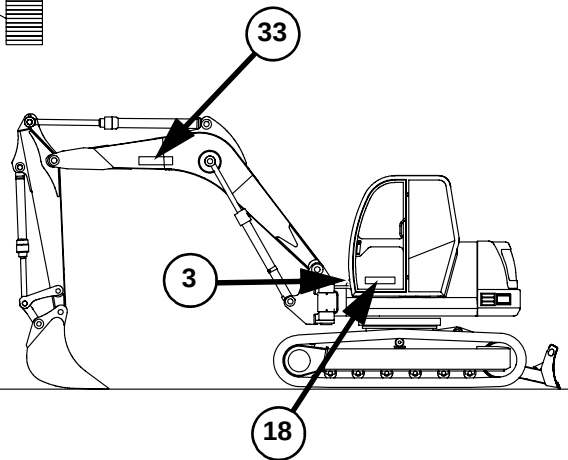
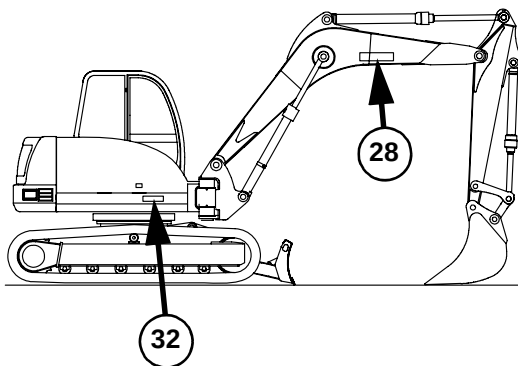
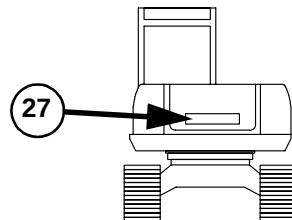
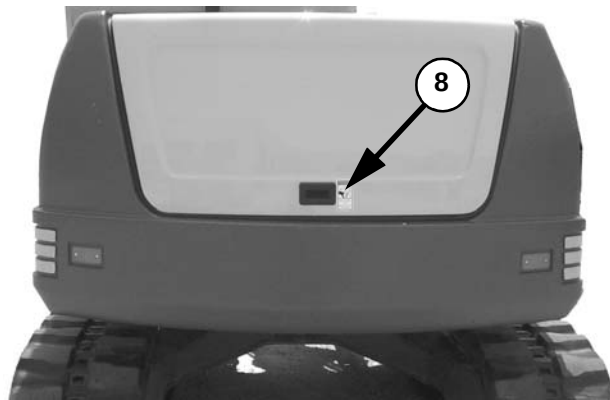
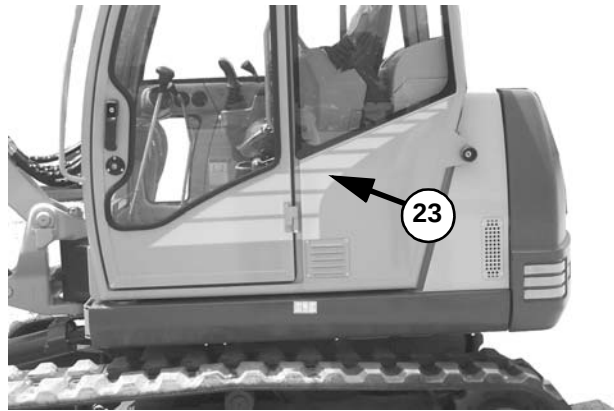
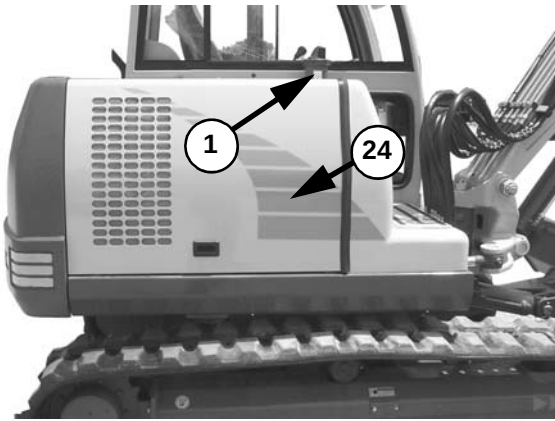
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DECAL LOCATIONS

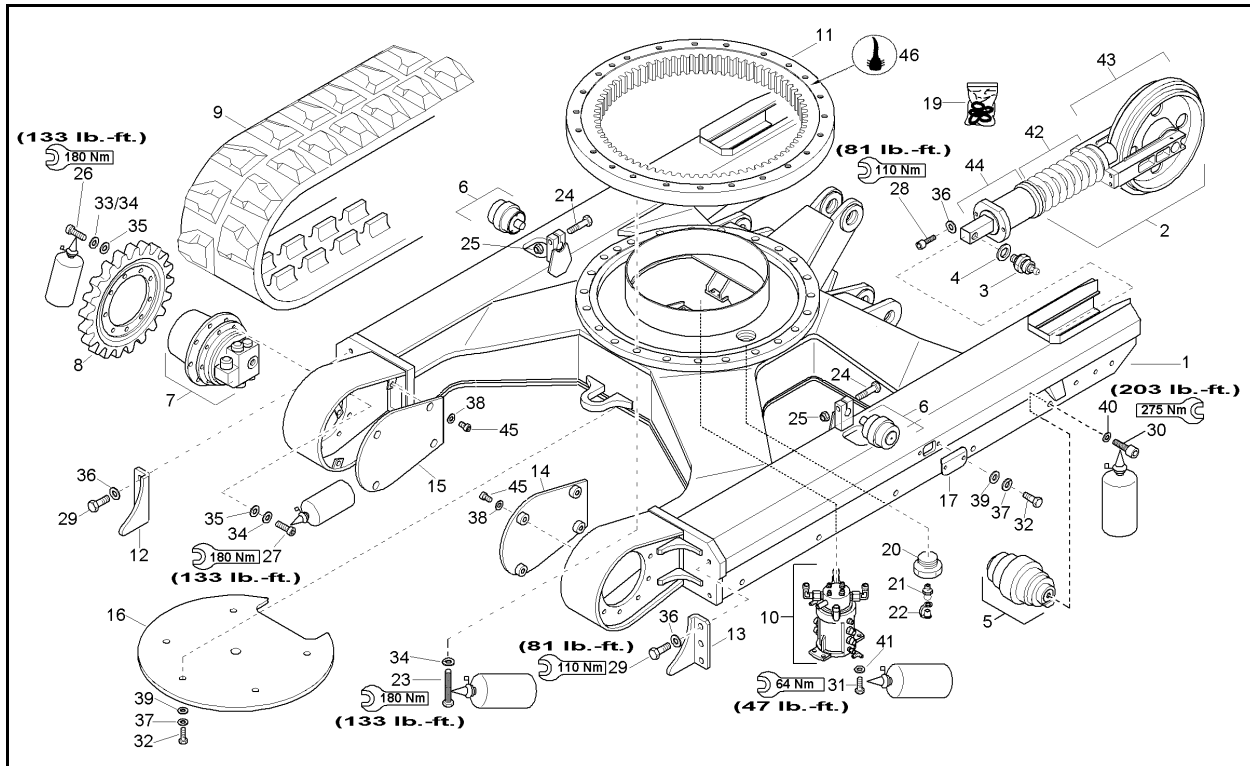
The decal listing has been repeated for your convenience:

Ref. No.	Part No.	Description & Quantity
	178561	Decal Kit - 502
1	161965	Diesel Fuel
2	161966	Hydraulic Oil
3	161970	Arrow (2 places)
4	161981	Lift Point (4 places)
5	161982	Tiedown Point (4 places)
6	161985	WARNING - Keep Away (2 places)
7	161986	WARNING - Read Manual
8	161987	WARNING - Rotating Fan
9	162450	Travel Left
10	162451	Travel Right
11	163973	WARNING - Mandatory Shutdown
12	163974	Manual Throttle
13	163975	WARNING - Avoid Injury (2 places)
14	163976	WARNING - Avoid Injury
15	163977	WARNING - Entanglement Hazard
16	163978	WARNING - Hot Surface (2 places)
17	164854	WARNING - Avoid Injury
18	135905	502 (2 places)
19	162449	Dozer Blade - Up/Down
20	162452	Right Joystick Control
21	162453	Left Joystick Control
22	179674	Control Pattern
23	164862	Left Graphic (SN AB00988 and before)
	179700	Left Graphic (SN AB00989 and up)
24	162825	Right Graphic
25	164853	Engine Compartment Latch
26	162832	Hydraulics Compartment Latch
27	102025	GEHL
28	183962	GEHL (2 places)
29	184043	GEHL
30	179705	Protective Structure
31	179681	Lifting Capacity
32	161969	Warning - Hydraulic Reservoir
33	161967	Lubrication

DECAL LOCATIONS

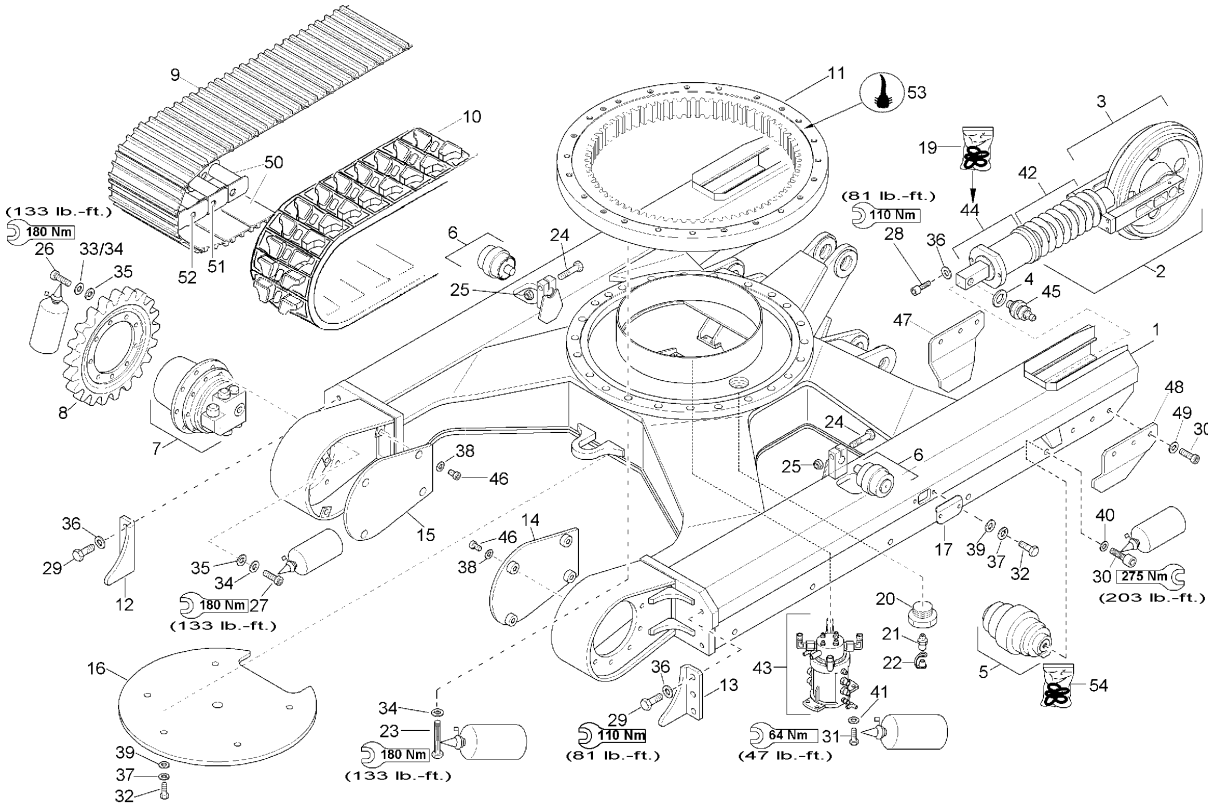


502 - UNDERCARRIAGE, RUBBER TRACK
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162693	UNDERCARRIAGE	1	22	161416	PROTECTION CAP	1
2	160979	TRACK TENSIONER COMPLETE (SN AA00674V and up) See page 12 for individual components	2	23	651492	SHCS M14-1.5 X 80 10.9 ZO	24
	179174	TRACK TENSIONER COMPLETE (SN AA00673V and before) See page 13 for individual components	2	24	651416	HB M16-2.0 X 70 C10.9 ZO	2
3	160638	VALVE	2	25	651451	HLN INS M16-2.0 ZO	2
4	178067	RING	2	26	651491	SHCS M14-1.5 X 45 10.9 ZO	18
5	179166	BOTTOM ROLLER See page 14 for individual components	10	27	651490	SHCS M14-1.5 X 40 10.9 ZO	18
6	160884	SUPPORTING ROLLER See page 11 for individual components	2	28	656148	FHCS M12-1.75 X 40 C10.9 ZO	4
7	161029	TRAVELING GEAR	2	29	651405	CS M12-1.7 X 30 C10.9 ZO	6
8	160978	SPROCKET	2	30	651495	SHCS M16-1.5 X 40 10.9 ZO	20
9	160885	RUBBER TRACK	2	31	651393	CS M10-1.5 X 20 C8.8 ZO	4
10	162731	SWIVEL JOINT See page 64 for individual components	1	32	656006	CS M10-1.5 X 20 C8.8 ZO	9
11	162695	TURNTABLE	1	33	161625	LW SPRING B14 DIN7983 (SN AA04456 and before)	36
12	162724	SPROCKET GUARD LT	1	34	164920	WASHER (SN AA04457 and up)	36
13	162725	SPROCKET GUARD RT	1	35	161646	WASHER GR A15 DIN125 (SN AA04456 and before)	36
14	162718	COVER	1	36	161643	WASHER/ROUND HI-TENS	10
15	162719	COVER	1	37	161669	LOCKWASHER S10	13
16	162694	COVER	1	38	163670	WASHER	8
17	162726	COVER	2	39	161640	WASHER GR A10.5	9
18	161625	LW SPRING B14 DIN7983	24	40	161637	WASHER/NORD-LOCK NL16	20
19	160945	SEAL KIT-TRACK TENSION CYLINDER	2	41	163641	WASHER	4
20	161417	PLUG	1	42	160981	SPRINGS	2
21	161412	GREASE ZERK (9mm HEX HEAD)	1	43	160980	TENSION ROLLER	2
				44	160886	TENSION CYLINDER	2
				45	651515	SHCS M8-1.25 X 20 C8.8 ZY	8
				46	204736	SEAL (2.0M)	2

1000175902



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162693	UNDERCARRIAGE	1	23	651492	SHCS M14-1.5 X 80 10.9 ZO	24
2	179174	TRACK TENSIONER COMPLETE See page 13 for individual components	2	24	651416	HB M16-2.0 X 70 C10.9 ZO	2
3	179164	TENSION ROLLER	2	25	651451	HLN INS M16-2.0 Z	2
4	178067	RING	2	26	651491	SHCS M14-1.5 X 45 10.9 ZO	18
5	179166	BOTTOM ROLLER See page 14 for individual components	10	27	651490	SHCS M14-1.5 X 40 10.9 ZO	18
6	160884	SUPPORTING ROLLER See page 11 for individual components	2	28	656148	FHCS M12-1.7 X 45 10.9 ZO	4
7	161029	TRAVELING GEAR	2	29	651405	CS M12-1.7 X 30 C10.9 ZO	6
8	160978	SPROCKET	2	30	651495	SHCS M16-1.5 X 40 10.9 ZO	32
9	179119	STEEL TRACK	2	31	651393	CS M10-1.5 X 25 C10.9 ZO	4
10	179120	STEEL TRACK/RUBBERIZED	2	32	656006	CS M10-1.5 X 20 C8.8 ZO	9
11	162695	TURNTABLE	1	33	651393	CS M10-1.5 X 25 C8.8 ZO (SN AA04456 and before)	36
12	162724	SPROCKET GUARD LT	1	34	164920	WASHER (SN AA04457 and up)	36
13	162725	SPROCKET GUARD RT	1	35	161646	WASHER GR A15 DIN125 (SN AA04456 and before)	36
14	162718	COVER	1	36	161643	WASHER/ROUND HI-TENS	10
15	162719	COVER	1	37	161669	LOCKWASHER S10	13
16	162694	COVER	1	38	163670	WASHER	8
17	162726	COVER	2	39	161640	WASHER GR A10.5	9
18	161625	LW SPRING B14 DIN7983	24	40	161637	WASHER/NORD-LOCK NL16	20
19	160945	SEAL KIT/TRACK TENSION CYLINDER	2	41	163641	WASHER	4
20	161417	PLUG	1	42	160981	SPRINGS	2
21	161412	GREASE ZERK (9mm HEX HEAD)	1	43	162731	SWIVEL JOINT See page 64 for individual components	1
22	161416	PROTECTION CAP	1	44	160886	TENSION CYLINDER	2

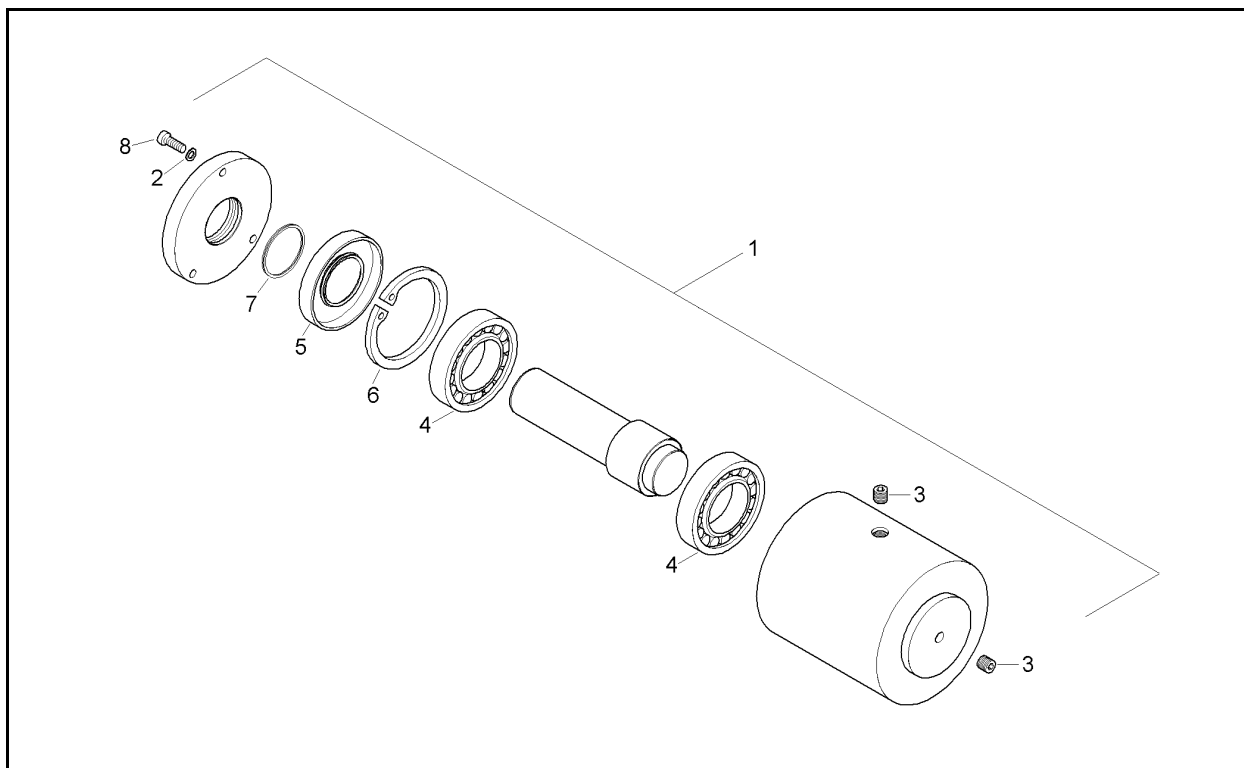
502 - UNDERCARRIAGE, STEEL TRACK

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Ref.	No.	Part No.	Description	Qty.	Ref.	No.	Part No.	Description	Qty.
	45	160638	VALVE	2		50	205615	CHAIN LINK	78
	46	651515	SHCS M8-1.25 X 20 C8.8 ZY	8		51	205614	STEEL PIN/MASTER	2
	47	179156	CHAIN GUARD RT	2		52	205616	STEEL PIN	76
	48	179155	CHAIN GUARD LT	2		53	204736	SEAL (2.0M)	1
	49	163645	WASHER	12		54	179168	SEAL KIT	10

502 - SUPPORTING ROLLER

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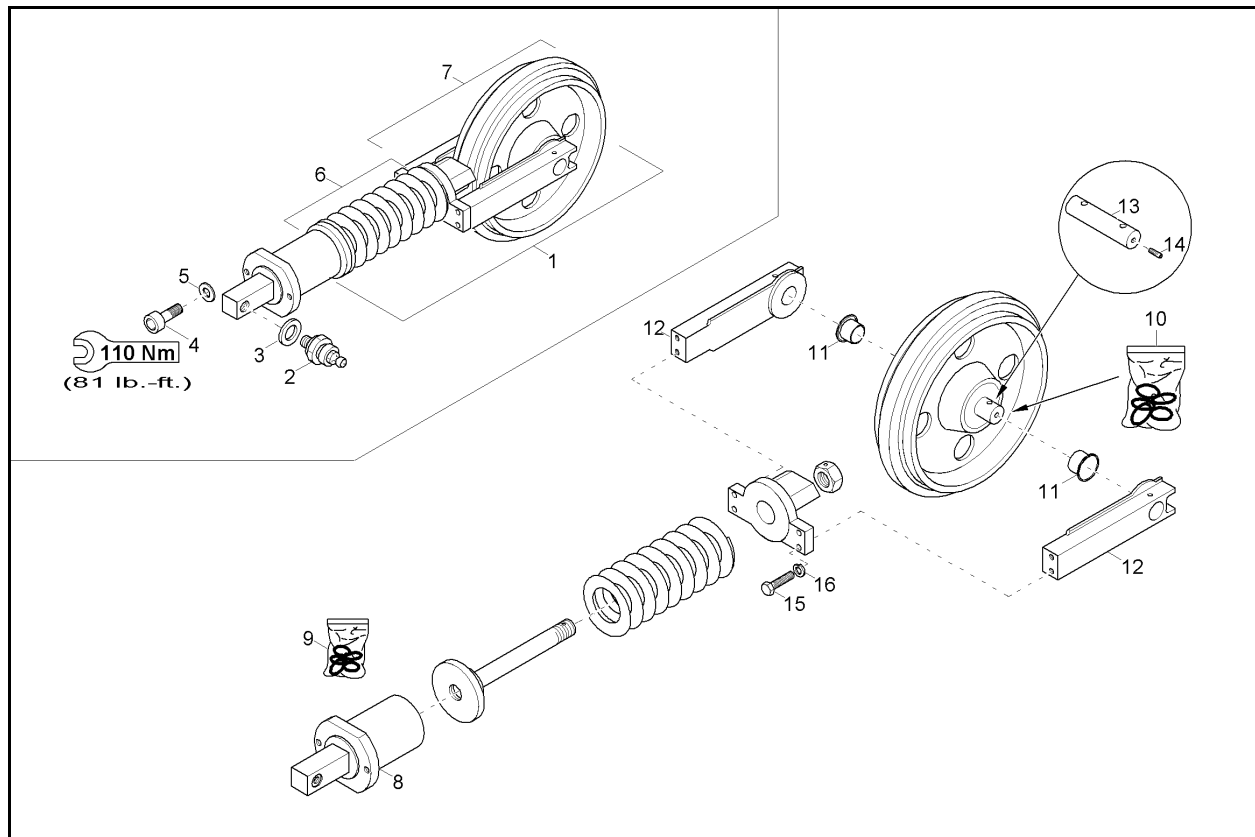


Ref. No.	Part No.	Description	Qty.
1	160884	SUPPORTING ROLLER	1
2	161674	LOCKWASHER S16	3
3	162492	SET SCREW	2
4	162506	BEARING	2

Ref. No.	Part No.	Description	Qty.
5	161572	SEAL	1
6	162491	WASHER	1
7	162927	WASHER	1
8	651504	SHCS M5-0.8 X 16 C8.8 ZY	3

502 - TRACK TENSIONER, RUBBER TRACK

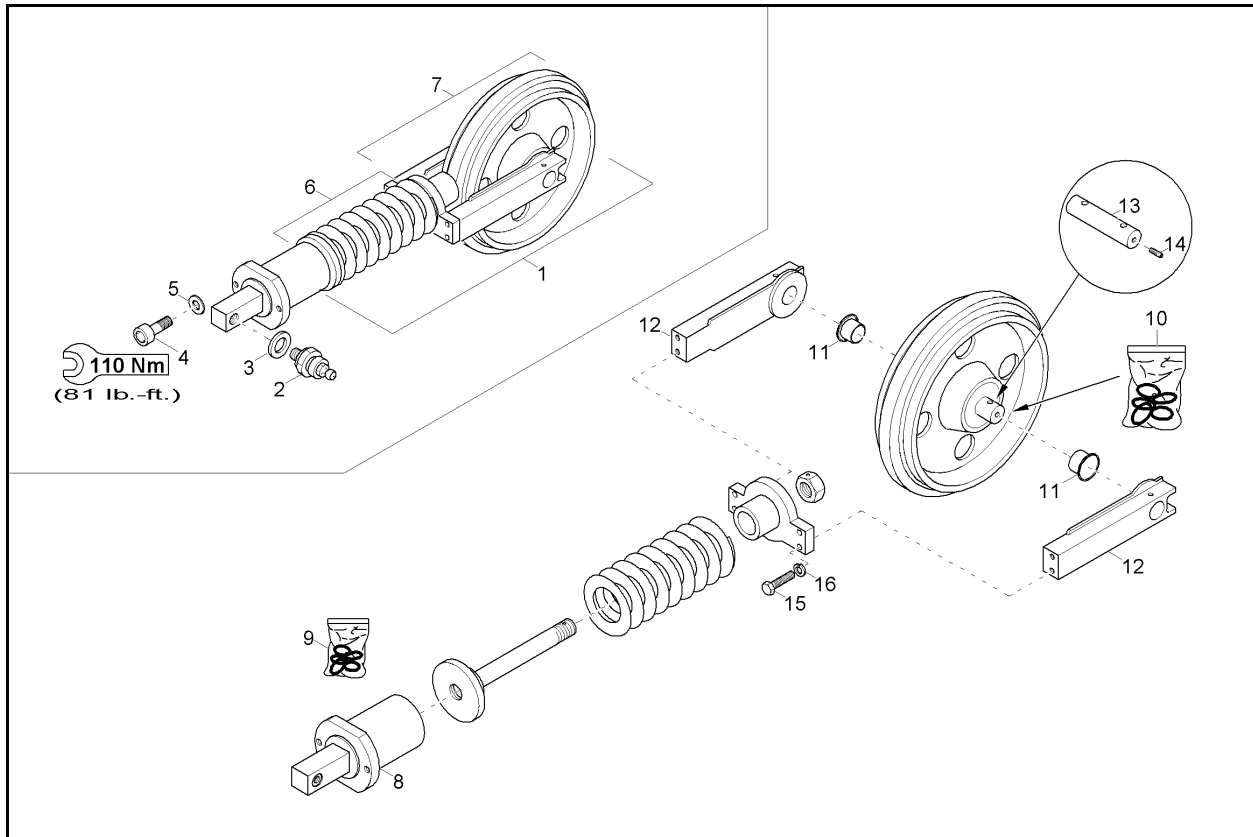
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160979	TRACK TENSIONER COMPLETE	2	9	160945	SEAL KIT/TENSION CYLINDER	2
2	160638	VALVE	2	10	160983	SEAL KIT/TENSION ROLLER	2
3	178067	RING	2	11	162754	BUSHING	4
4	651485	SHCS M12-1.75 X 45 10.9 ZY	4	12	162749	BRACKET	4
5	161643	WASHER/ROUND HI-TENS	4	13	177922	SHAFT	2
6	160981	SPRING	2	14	162750	PLUG	2
7	160980	TENSION ROLLER	2	15	177923	SCREW	8
8	160886	TENSION CYLINDER	2	16	162751	WASHER	8

502 - TRACK TENSIONER, RUBBER & STEEL TRACKS

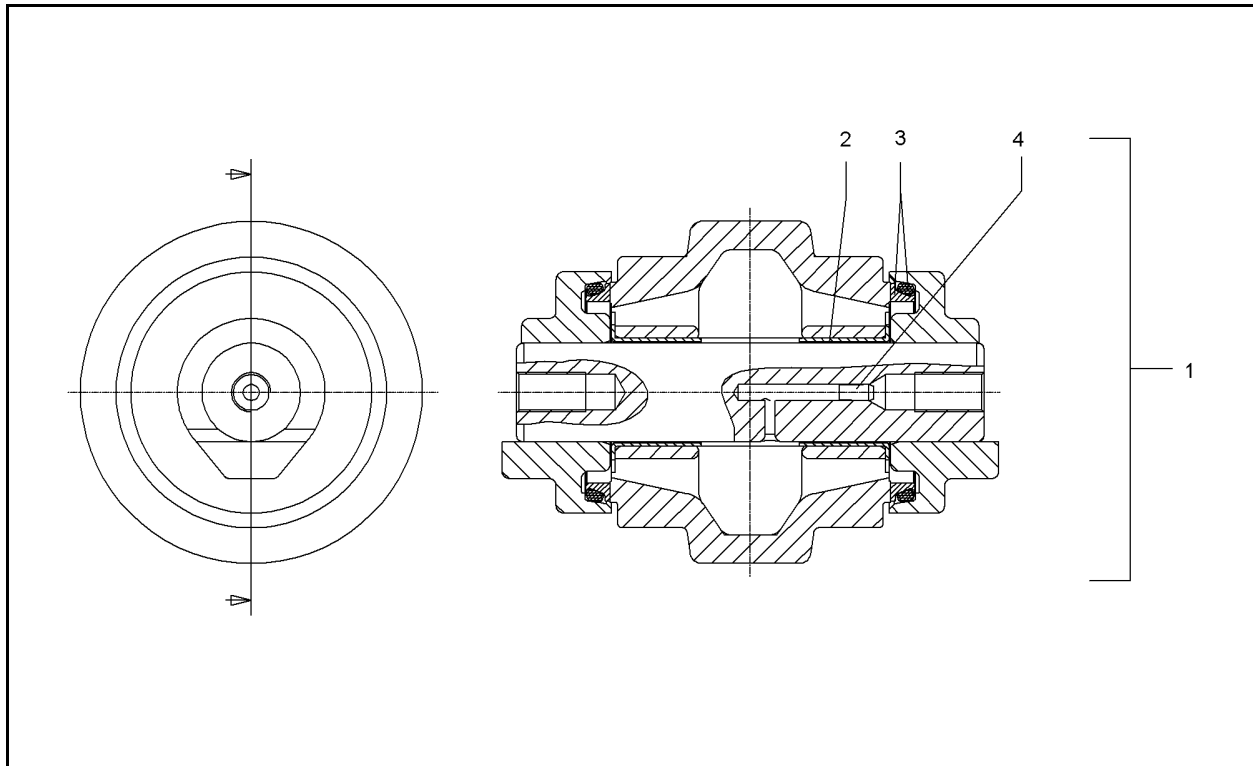
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	179174	TRACK TENSIONER COMPLETE	2	9	160945	SEAL KIT/TENSION CYLINDER	2
2	160638	VALVE	2	10	160983	SEAL KIT/TENSION ROLLER	2
3	178067	RING	2	11	162754	BUSHING	4
4	651485	SHCS M12-1.75 X 45 10.9 ZY	4	12	162749	BRACKET	4
5	161643	WASHER/ROUND HI-TENS	4	13	160982	SHAFT	2
6	160416	SPRING	2	14	162750	PLUG	2
7	179164	TENSION ROLLER	2	15	179171	SCREW	8
8	160886	TENSION CYLINDER	2	16	162751	WASHER	8

502 - BOTTOM ROLLER

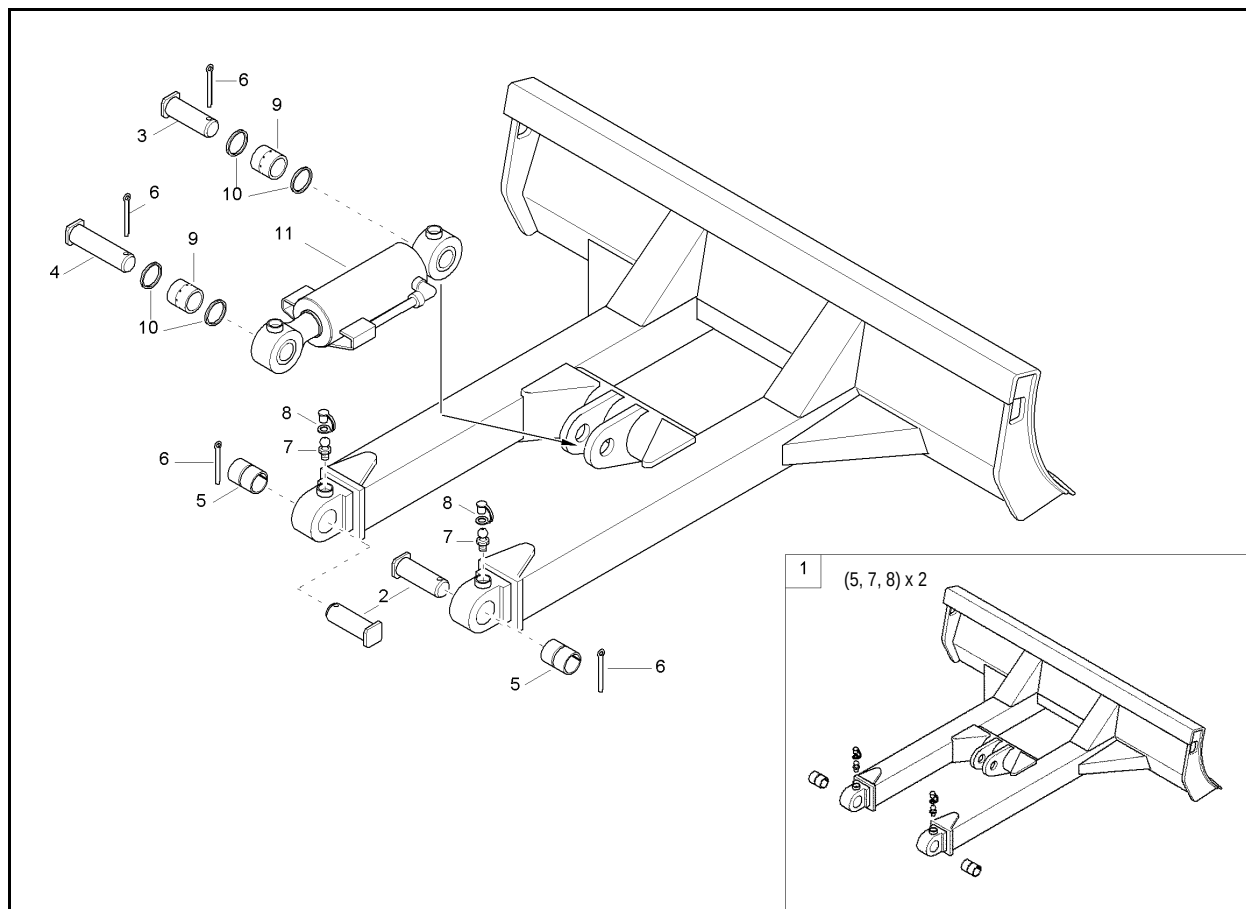
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	179166	BOTTOM ROLLER	1	3	160983	SEAL KIT	1
2	162754	BUSHING	1	4	162750	PLUG	1

502 - DOZER BLADE

1000116217

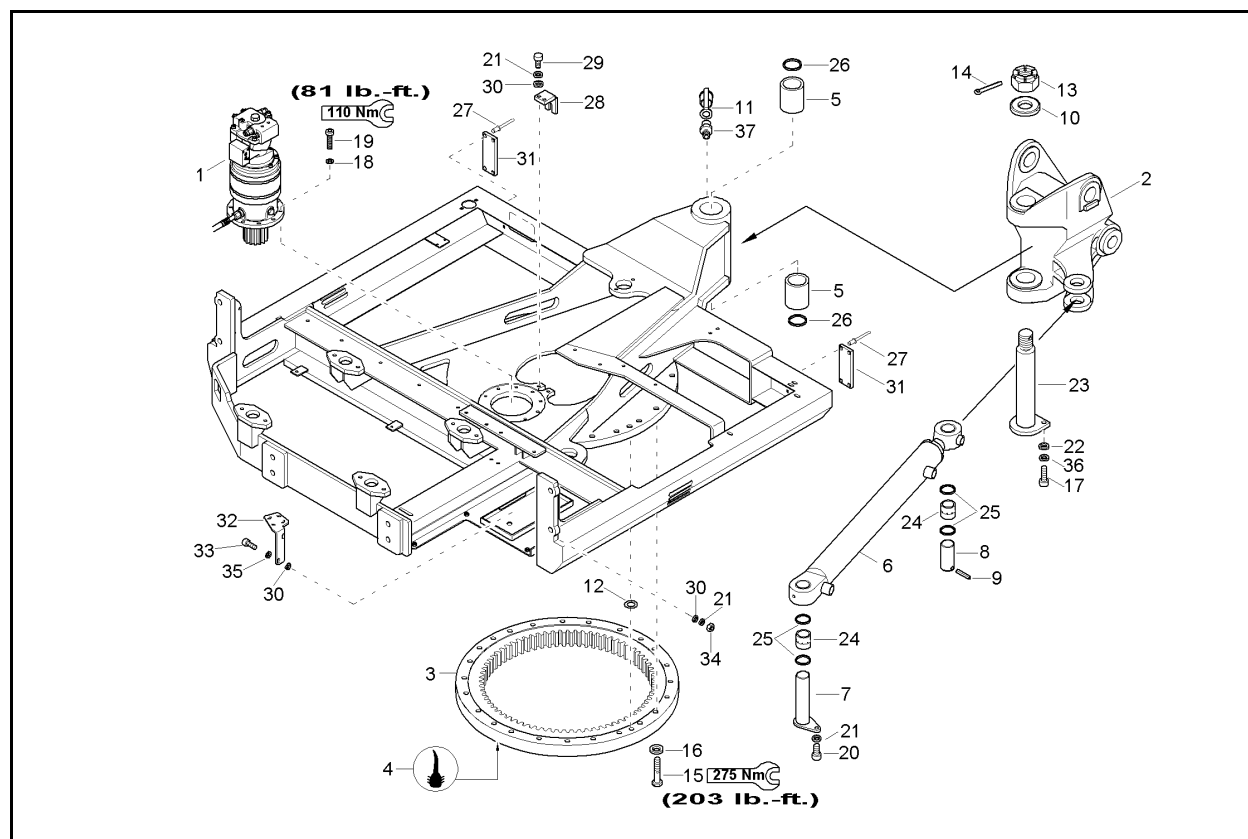


Ref. No.	Part No.	Description	Qty.
1	162723	DOZER BLADE/PREASSEMBLED	1
2	160941	PIN	2
3	160943	PIN	1
4	160940	PIN	1
5	161532	BUSHING	2
6	161683	PIN/SPRING M8 X 80 ZO	4

Ref. No.	Part No.	Description	Qty.
7	161412	GREASE ZERK (9mm HEX HEAD)	2
8	161422	CAP	2
9	161550	BUSHING	2
10	161588	PIN SEAL	4
11	160911	BLADE CYLINDER COMPLETE See page 85 for individual components	1

502 - CHASSIS

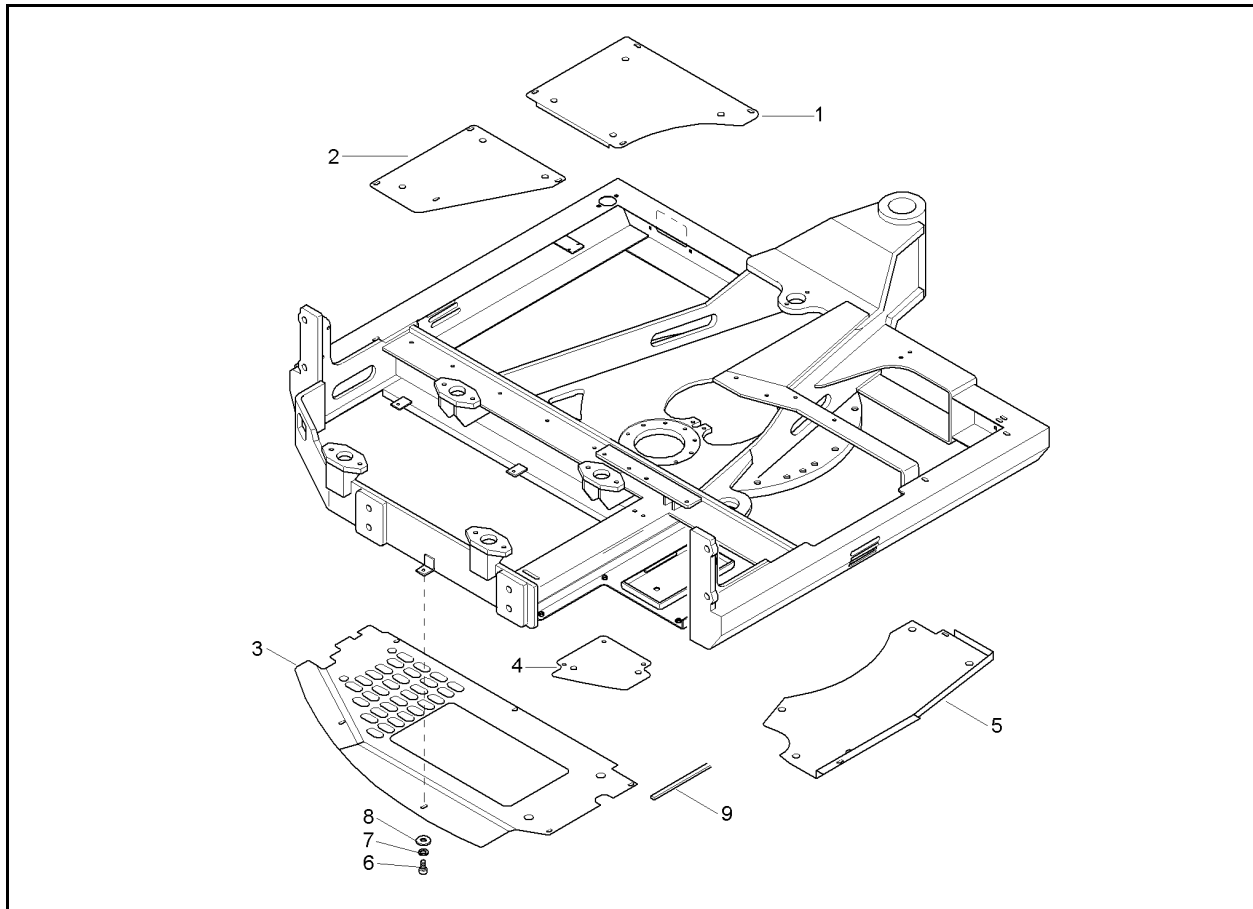
1000116218



Ref. No.	Part No.	Description	Qty.
1	*	TURNING GEAR	1
2	162729	SWING BRACKET	1
3	162695	TURNTABLE	1
4	206832	SEAL (2.0M)	2
5	161530	BUSHING	2
6	161003	SWIVEL CYLINDER See page 84 for individual components	1
7	160944	PIN	1
8	160942	PIN	1
9	651471	PIN/SPRING M8 x 90	1
10	162734	WASHER	1
11	161422	CAP	1
12	161570	O-RING	1
13	651444	HN SLTD M48-3 ZO	1
14	161683	PIN/SPRING M8 X 80 ZO	1
15	651418	HB M16-2 X 90 C10.9 ZY	24
16	163645	WASHER	24
17	179757	SCREW	1
18	161412	WASHER/NORD-LOCK NL 12	10

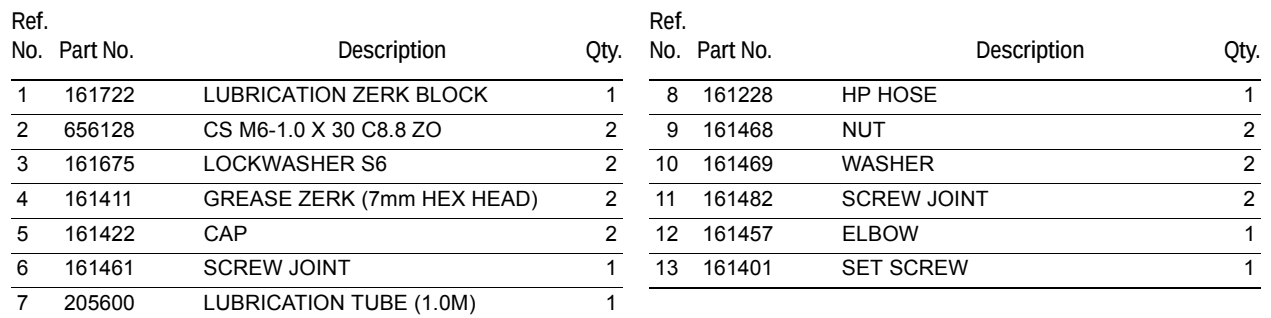
Ref. No.	Part No.	Description	Qty.
19	651406	CS M12-1.75 X 35 C10.9 ZO	10
20	162861	SCREW	1
21	161669	LOCKWASHER S10	3
22	161642	WASHER GR A13	1
23	160939	PIN	1
24	161550	BUSHING	2
25	161588	PIN SEAL	4
26	161587	PIN SEAL	2
27	161627	POP RIVET A4 x 12	8
28	162715	BRACKET	1
29	651475	SHCS M10-1.25 X 30 F8.8 ZY	2
30	161640	WASHER GR A10.5	4
31	160409	REFLECTOR	2
32	162700	BRACKET/AIR INTAKE FILTER	1
33	162858	SCREW	2
34	656102	HEX NUT M10-1.25	2
35	161663	WASHER GR A10.5	2

* Replaced by P/N 160873 for service.

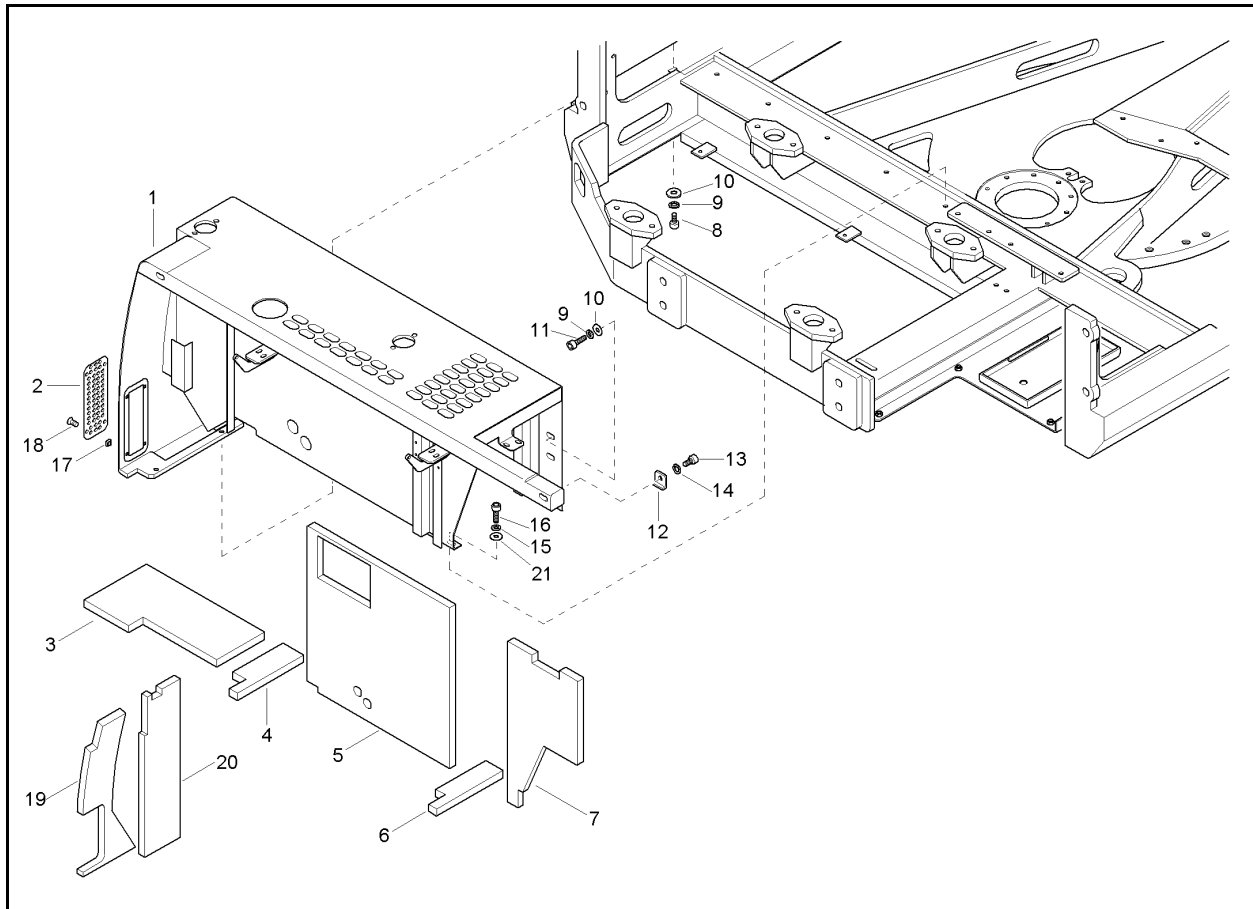


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162683	COVER	1	6	651515	SHCS M8-1.25 X 20 C8.8 ZY	24
2	162684	COVER	1	7	163670	WASHER	24
3	162686	COVER	1	8	7462680011	WASHER GR A8.4	24
4	162681	COVER	1	9	206034	SEAL FOAM (7.0M)	7
5	162685	COVER	1				

1000116226



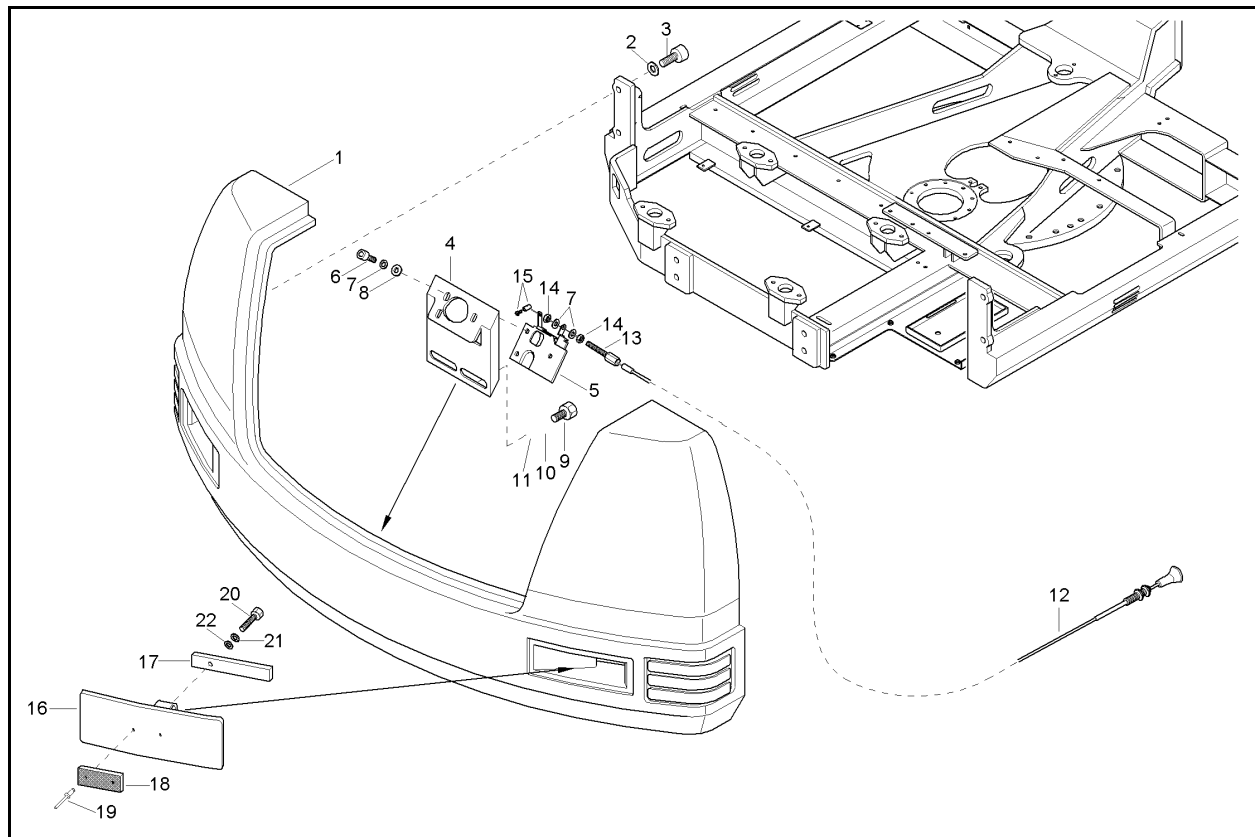
Ref.	Part No.	Description	Qty.
8	161228	HP HOSE	1
9	161468	NUT	2
10	161469	WASHER	2
11	161482	SCREW JOINT	2
12	161457	ELBOW	1
13	161401	SET SCREW	1



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162689	REAR WALL	1	12	162746	BRACKET	2
2	162791	COVER	1	13	176992	HEX SCREW	2
3	162711	ISOLATION MAT	1	14	161672	LOCKWASHER S16	2
4	162785	ISOLATION MAT	1	15	161669	LOCKWASHER S10	6
5	162709	ISOLATION MAT	1	16	162022	SCREW	6
6	162712	ISOLATION MAT	1	17	161611	CAGE NUT M5	4
7	162710	ISOLATION MAT	1	18	651460	FHCS M5-0.8 X 16 C8.8 ZY	4
8	651483	SHCS M12-1.75 X 35 C10.9 ZY	2	19	162820	ISOLATION MAT	1
9	163651	WASHER	4	20	162819	ISOLATION MAT	1
10	161642	WASHER GR A13	4	21	163642	WASHER	6
11	651479	SHCS M12-1.75 X 25 C8.8 ZY	4				

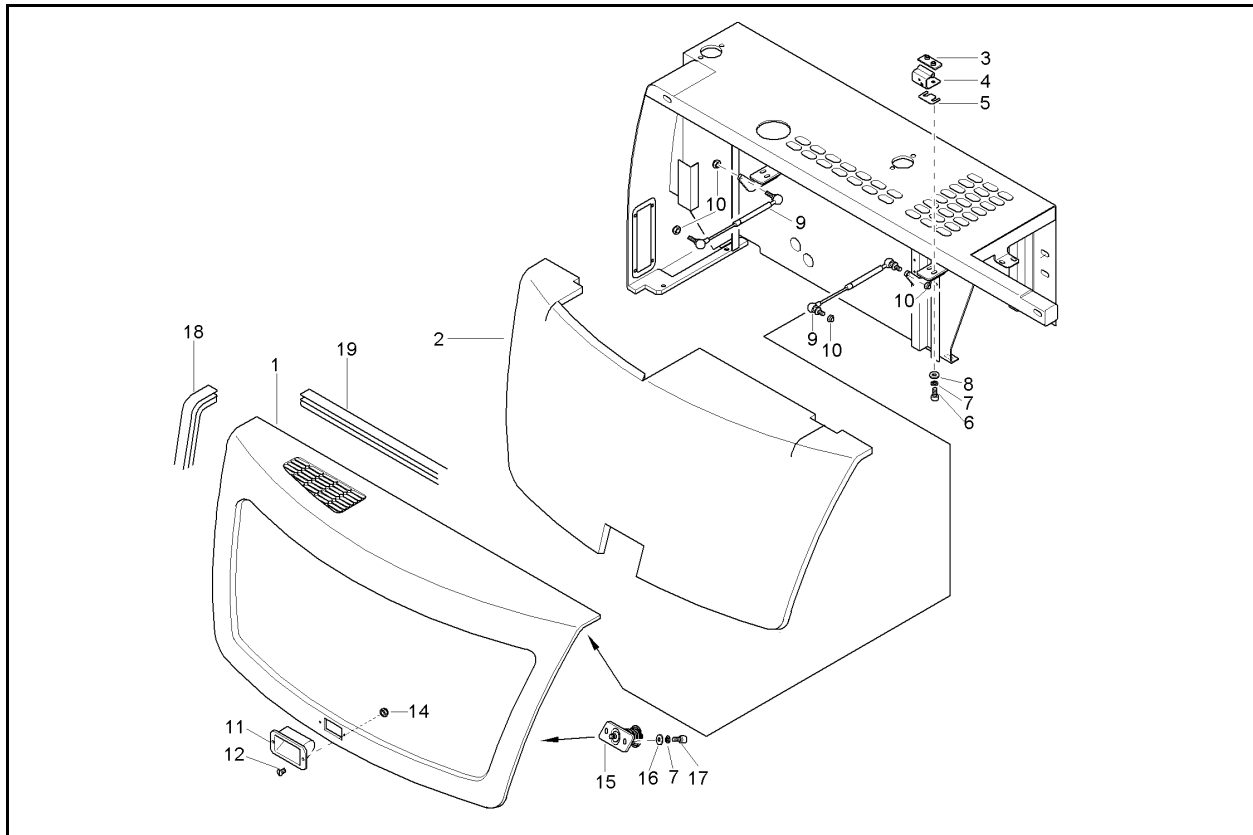
502 - COUNTERWEIGHT

1000116231



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162678	COUNTERWEIGHT	1	12	161188	CABLE	1
2	161653	WASHER/ROUND HI-TENS 21	10	13	162604	SCREW	1
3	162866	SCREW	10	14	656047	HN M6-1 C8 ZY	2
4	161057	BRACKET	1	15	161929	CABLE LOCK	1
5	161062	BRACKET	1	16	162745	COVER	2
6	162860	SCREW	3	17	162794	RETAINER	2
7	161675	LOCKWASHER S6	5	18	160644	REFLECTOR	2
8	161621	LW SPRING 6 DIN7980	3	19	161627	POP RIVET A4 X 12	4
9	656122	CS M12-1.75 X 25 C8.8 ZY	2	20	656154	CS M8-1.25 X 45 C8.8 ZO	2
10	163651	WASHER	2	21	163670	WASHER	2
11	161642	WASHER GR A13	2	22	163634	WASHER	2

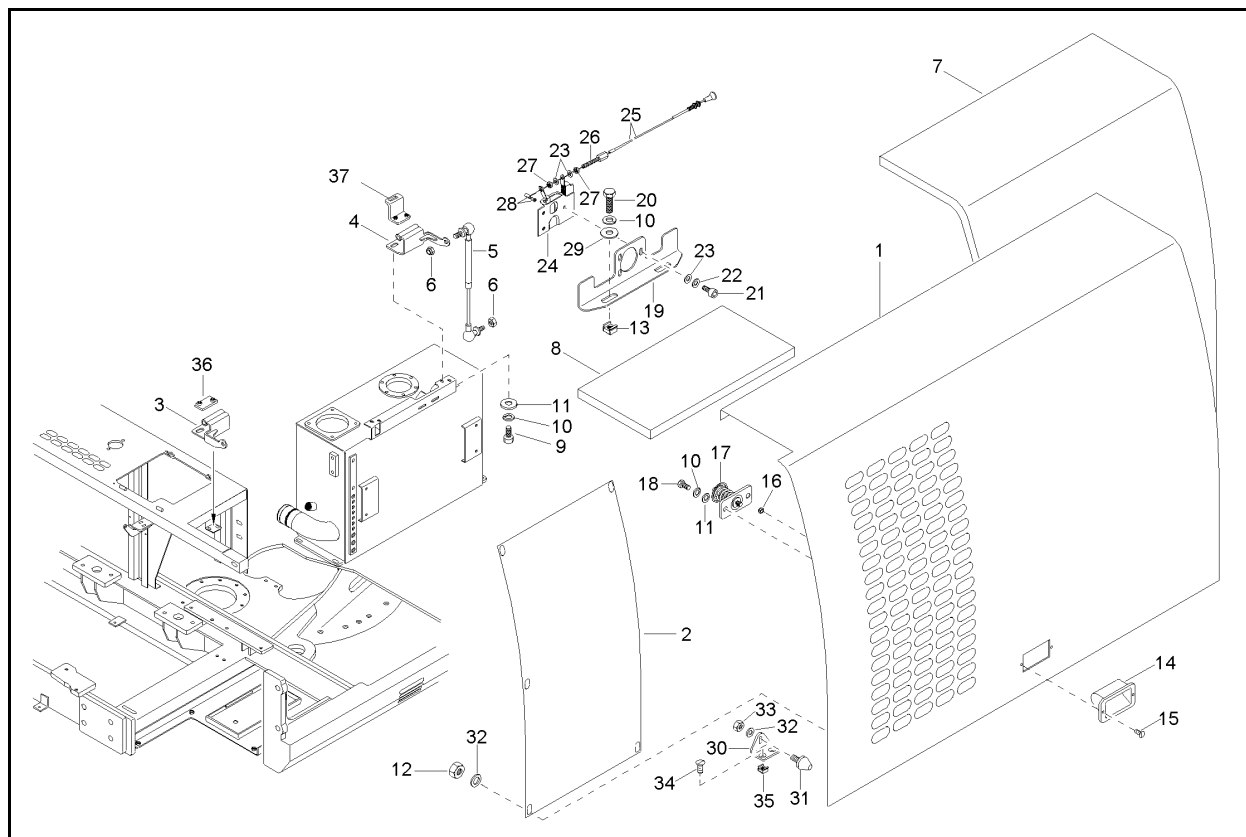
1000116235



Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	162677	ENGINE HOOD	1	10	656100	HN M5-0.8 C8 ZY	4
2	162708	ISOLATION MAT/HOOD	1	11	161064	HANDLE	1
3	162716	HINGE PLATE	2	12	651459	FHCS M14-2 X 16 C8.8 ZY	2
4	160882	HINGE	2	14	656116	HN M4-0.7 C8 ZY	2
5	162675	BRACKET	2	15	161061	LATCH	1
6	656094	CS M8-1.25 X 30 C8.8 ZY	4	16	163634	WASHER	2
7	163670	WASHER	6	17	656093	CS M8-1.25 X 16 C8.8 ZY	2
8	163634	WASHER	4	18	207282	RUBBER EXTRUSION (2.65M)	1
9	160881	PNEUMATIC SPRING	2	19	207286	RUBBER EXTRUSION (1.3M)	1

502 - VALVE COVER

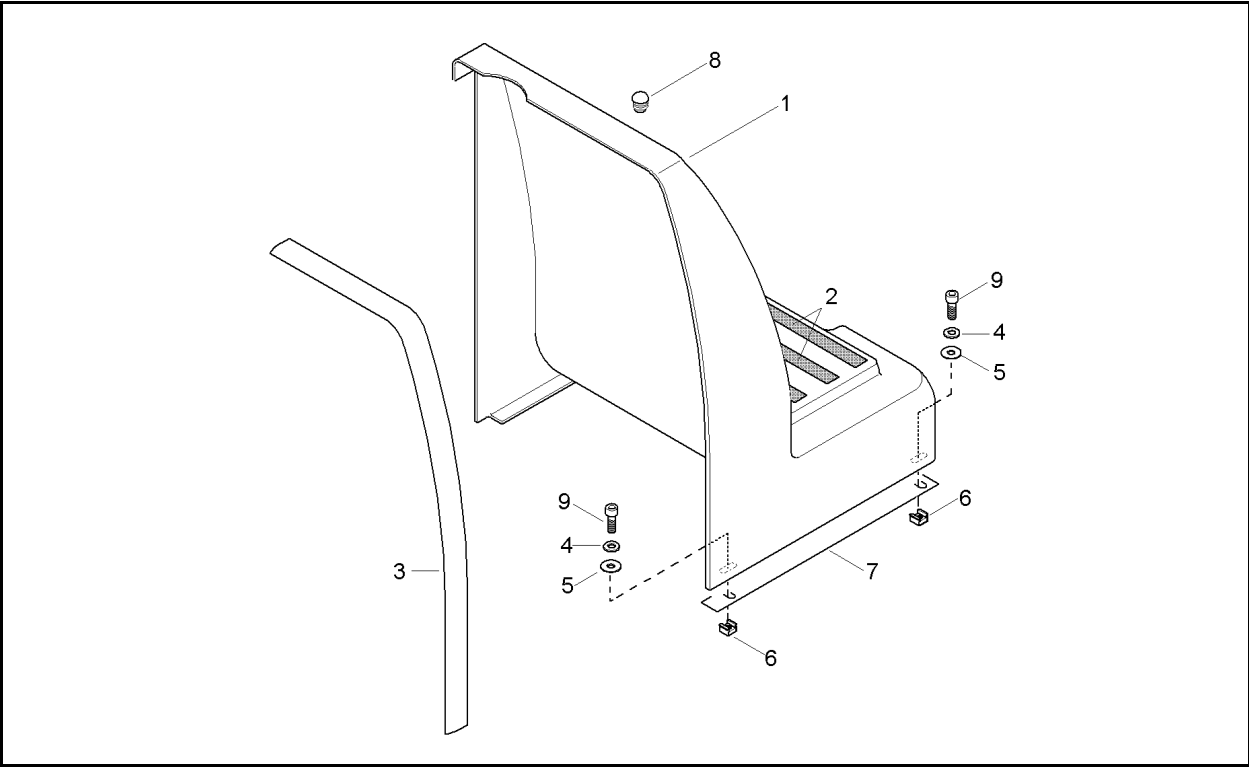
1000116746



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204735	VALVE COVER	1	20	177648	HEX SCREW	2
2	162793	SCREEN FRAME	1	21	162860	SCREW	3
3	164729	HINGE	1	22	161675	LOCKWASHER S6	3
4	164730	HINGE	1	23	161660	WASHER GR A6.4 ZO DIN125	5
5	161204	PNEUMATIC SPRING	2	24	161062	BRACKET	1
6	161679	HLN INS M8 8 ZO D985	4	25	161187	CABLE	1
7	162787	ISOLATION MAT	1	26	162604	SCREW	1
8	162788	ISOLATION MAT	1	27	651457	LN INS M6-1 C8 ZY	2
9	656094	CS M8-1.25 X 30 C8.8 ZY	4	28	161929	CABLE LOCK	1
10	163670	WASHER	8	29	7462680011	WASHER 8.4 ST A2C	2
11	163634	WASHER	7	30	162691	BRACKET	2
12	161678	HN M6-1.00 C8 ZO	6	31	161358	RUBBER STOP	2
13	161616	CAGE NUT M8	2	32	7462680008	WASHER	8
14	161064	HANDLE	1	33	656047	HN M16-1 C8 ZY	2
15	651459	FHCS M14-2 X 16 C8.8 ZY	2	34	651463	FHCS M6-1 X 20 C8.8 ZY	4
16	656116	HEX NUT M4-0.7 C8 ZY	2	35	161614	CAGE NUT M6	4
17	161061	LATCH	1	36	162716	PLATE	1
18	656093	CS M8-1.25 X 16 C8.8 ZY	2	37	162743	BRACKET	1
19	161058	BRACKET	1				

502 - HOSE COVER

1000116240

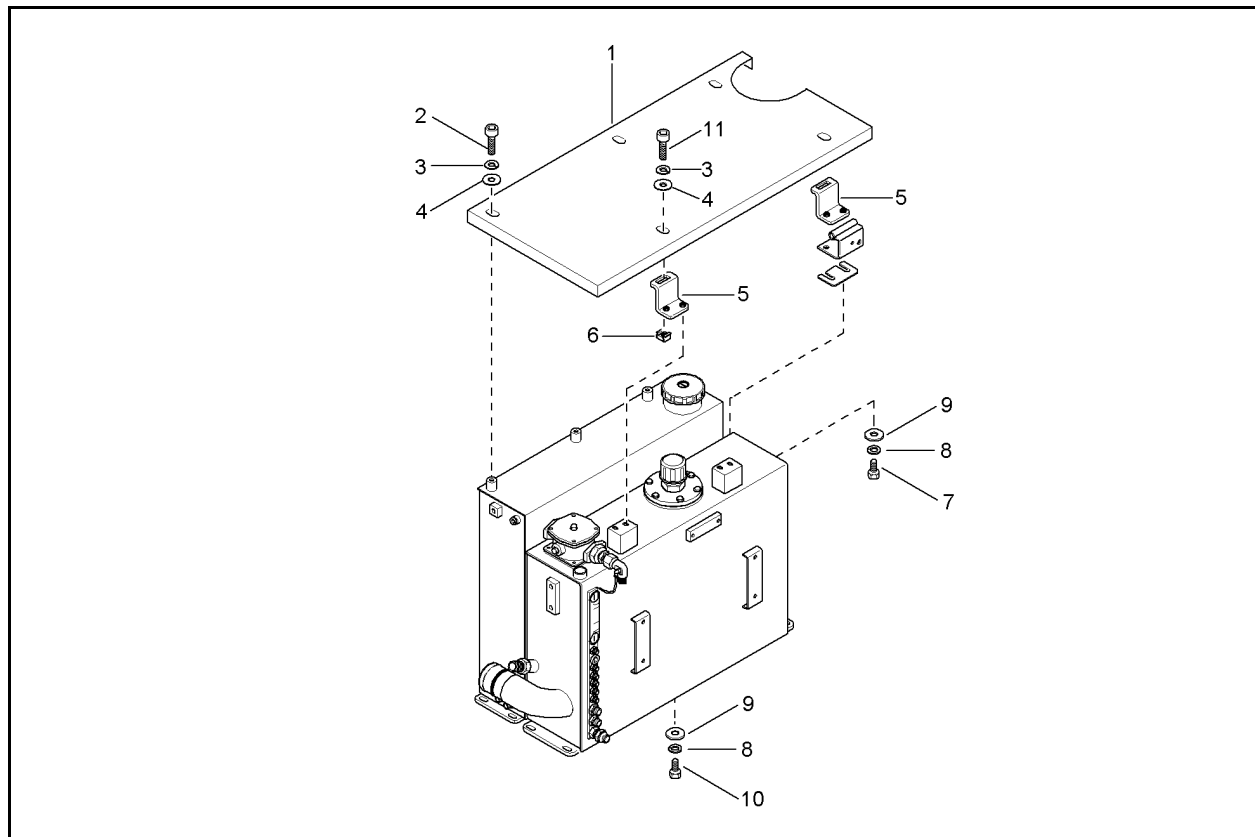


Ref. No.	Part No.	Description	Qty.
1	179082	HOSE COVER (1.0m)	1
2	204738	ANTI-SLIDE STRIP (1.9M)	1
3	207159	RUBBER EXTRUSION (0.96M)	1
4	163670	WASHER	4
5	7462680011	WASHER 8.4 ST A2C	4

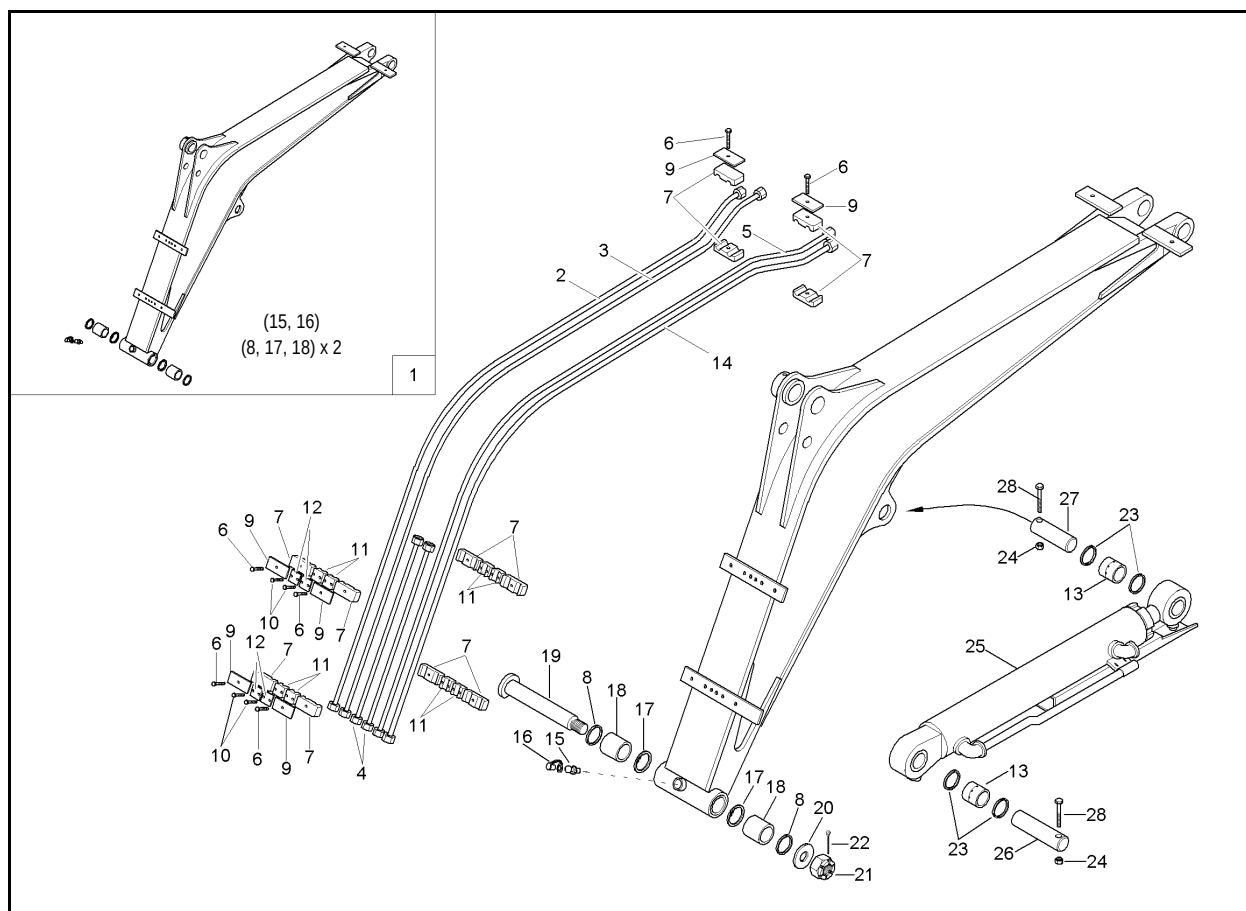
Ref. No.	Part No.	Description	Qty.
6	161616	CAGE NUT M8	4
7	162792	BRACKET	1
8	165115	PLUG	1
9	656105	CS M8-1.25 X 25 C8.8 ZY	4

502 - HYDRAULIC TANK COVER

1000116243



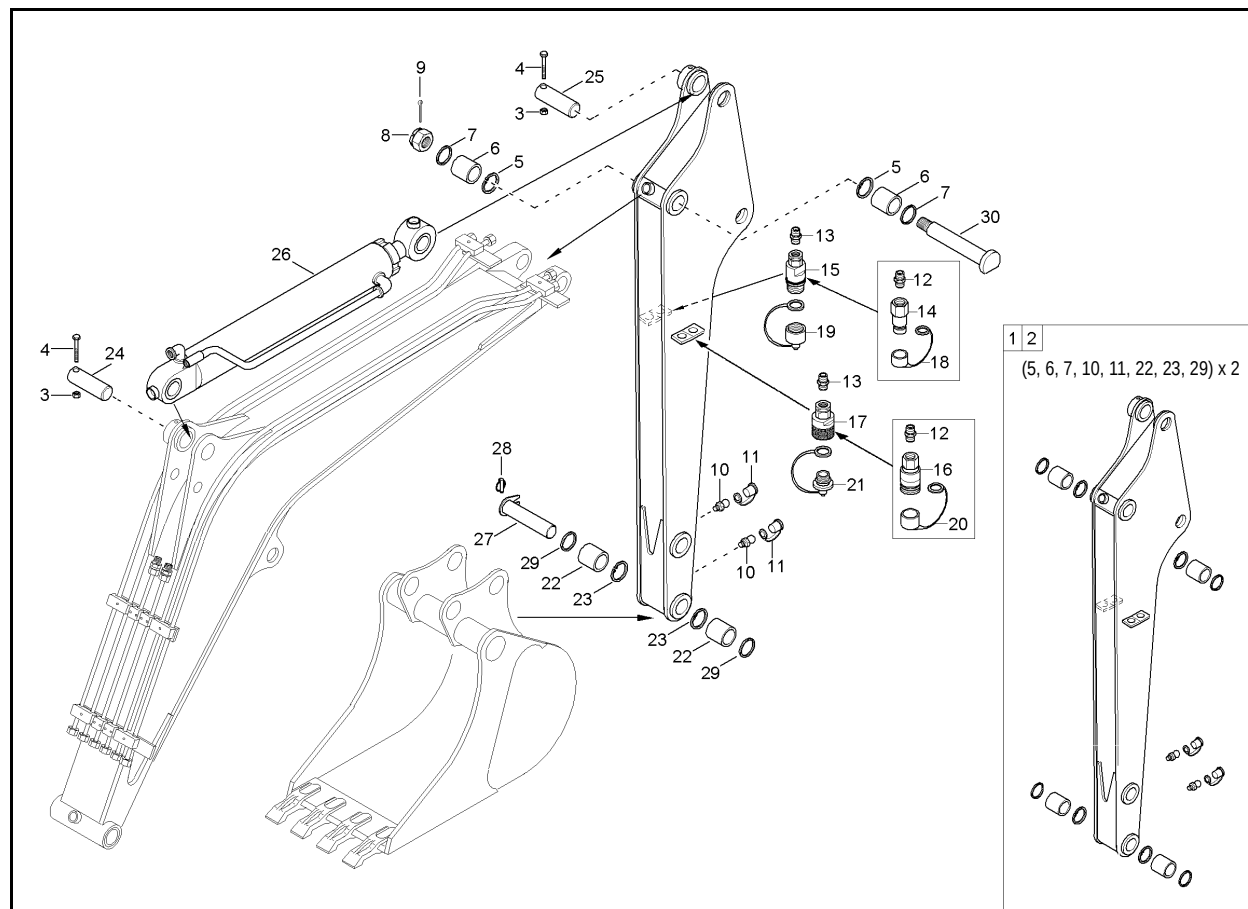
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162688	TANK COVER	1	7	656105	CS M8-1.25 X 25 C8.8 ZY	2
2	651472	SHCS M10-1.25 X 20 F8.8 ZY	4	8	163670	SPACER	4
3	161669	LOCKWASHER S10	5	9	7462680011	WASHER GR A8.4	4
4	161663	WASHER GR A10	5	10	177648	HEX SCREW	2
5	162743	BRACKET	2	11	651473	SHCS M10-1.25 X 25 F8.8 ZY	1
6	161610	CAGE NUT M10	2				



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	178151	BOOM/PRE-ASSEMBLED	1	16	161422	CAP	1
2	160926	TUBE	1	17	161689	RING/SNAP SB70	2
3	160927	TUBE	1	18	161531	BUSHING	2
4	160928	TUBE	2	19	160938	PIN	1
5	160929	TUBE	1	20	162733	WASHER	1
6	651433	HB M8-1.25 X 40 C8.8 ZY	6	21	651444	HN SLTD M48-3 F8 ZY	1
7	161551	TUBE CLAMP	12	22	161683	PIN/SPRING M8 x 80 ZO	1
8	162613	PIN SEAL	2	23	161588	PIN SEAL	4
9	162502	COVER	6	24	651458	LN INS MS-1.25 C8 ZY	2
10	651427	HB M6-1 X 35 C8.8 ZY	8	25	160910	BOOM CYLINDER See page 81 for individual components	1
11	161554	TUBE CLAMP	8	26	160936	PIN	1
12	162066	COVER	4	27	160935	PIN	1
13	161550	BUSHING	2	28	651519	SHCS M8-1.25 X 90 C8.8 ZY	2
14	179140	TUBE	1				
15	161411	GREASE ZERK (7mm HEX HEAD)	1				

502 - DIPPER ARM

1000116247

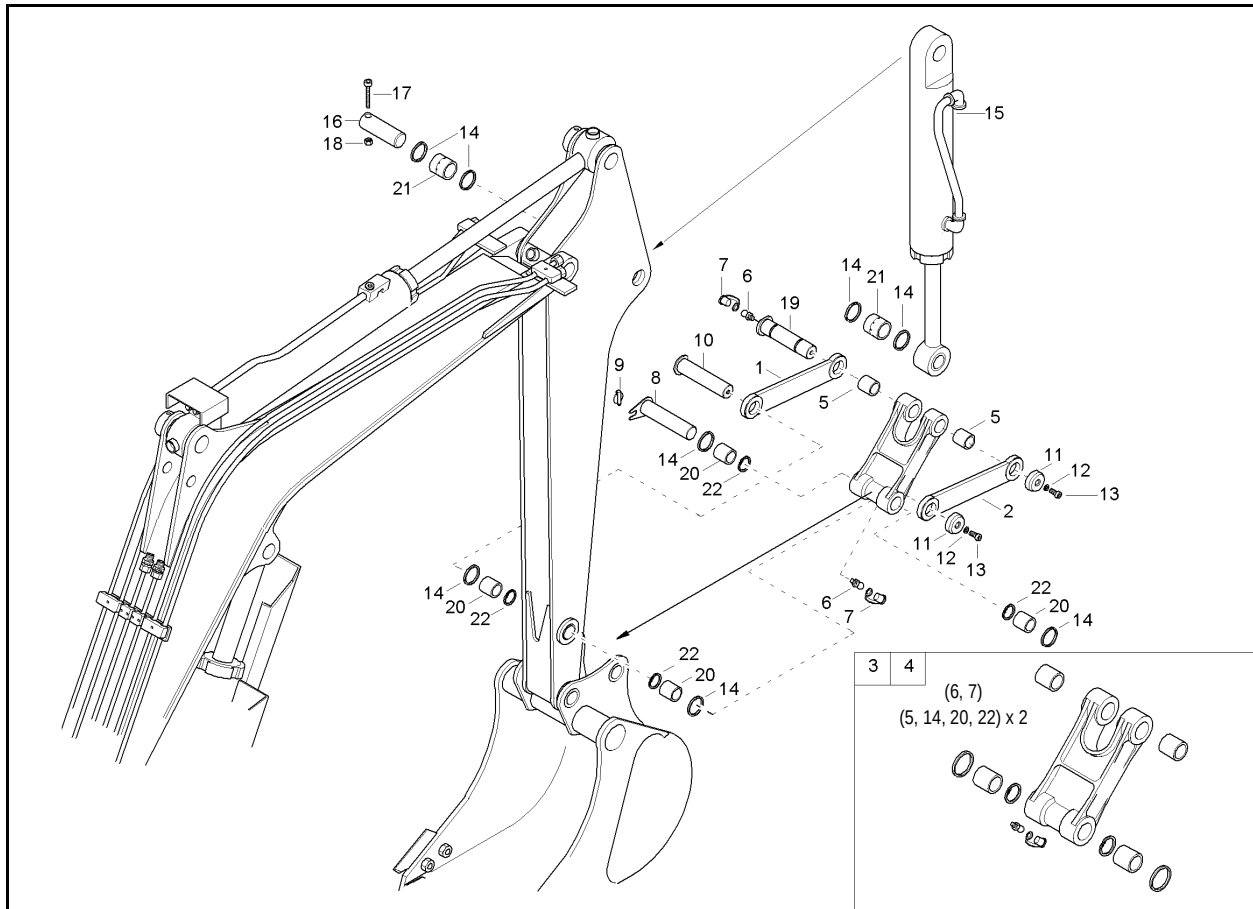


Ref. No.	Part No.	Description	Qty.
1	179107	PRE-ASSEMBLED DIPPER ARM/ SHORT (1500mm)	1
2	179108	PRE-ASSEMBLED DIPPER ARM/ LONG (1800mm)	1
3	651458	LN INS M8-1.25 C8 ZY	2
4	651519	SHCS M8-1.25 X 90 C8.8 ZY	2
5	161409	WASHER	2
6	161528	BUSHING	2
7	161581	SEAL	2
8	651444	HN SLTD M48-3 F8 ZY	1
9	161683	PIN/SPRING M8 X 80 ZO	1
10	161411	GREASE ZERK (7mm HEX HEAD)	2
11	161422	CAP	2
12	179833	SCREW JOINT	2
13	161430	SCREW JOINT	2
14	177204	COUPLER	1
15	160468	QUICK COUPLER	1

Ref. No.	Part No.	Description	Qty.
16	177796	COUPLER	1
17	160467	QUICK COUPLER	1
18	177203	PROTECTION CAP	1
19	160459	PROTECTION CAP	1
20	177805	PROTECTION CAP	1
21	160458	PROTECTION CAP	1
22	161529	BUSHING	2
23	161688	RING SNAP SB60	2
24	160935	PIN	1
25	160934	PIN	1
26	177445	KIT/DIPPER ARM CYLINDER See page 82 for individual components	1
27	160932	PIN	1
28	161405	LYNCH PIN	1
29	161588	PIN SEAL	2
30	160937	PIN	1

502 - CONNECTING LINK

1000116248

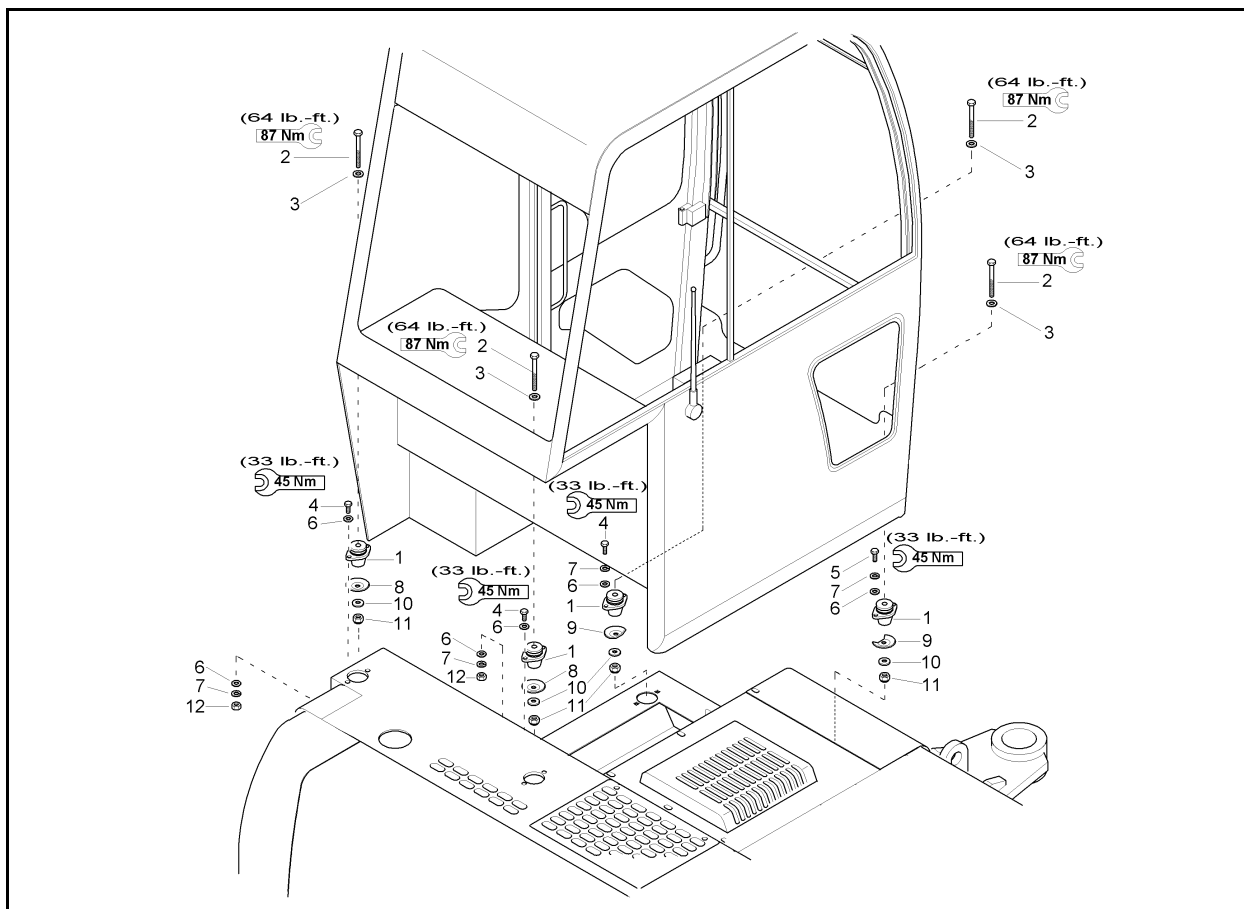


Ref. No.	Part No.	Description	Qty.
1	160905	CONNECTING LINK RT	1
2	160906	CONNECTING LINK LT	1
3	160904	ARTICULATING LINK ASY (STANDARD = 380mm)	1
4	179127	ARTICULATING LINK ASY (OPTIONAL = 330mm)	1
5	161527	BUSHING	2
6	161411	GREASE ZERK (7mm HEX HEAD)	2
7	161422	CAP	2
8	160932	PIN	1
9	161405	LYNCH PIN	1
10	161047	PIN	1
11	160974	PIN COVER	2

Ref. No.	Part No.	Description	Qty.
12	161672	LOCKWASHER S16	2
13	651494	SHCS M16-1.5 X 30 F12.9 ZY	2
14	161588	PIN GASKET	8
15	160998	BUCKET CYLINDER See page 83 for individual components	1
16	160934	PIN	1
17	651519	SHCS M8-1.25 X 90 C8.8 ZY	1
18	651458	LN INS M8-1.25 C8 ZY	1
19	160933	PIN	1
20	161529	BUSHING	4
21	161550	BUSHING	2
22	161688	LOCKWASHER SB60	4

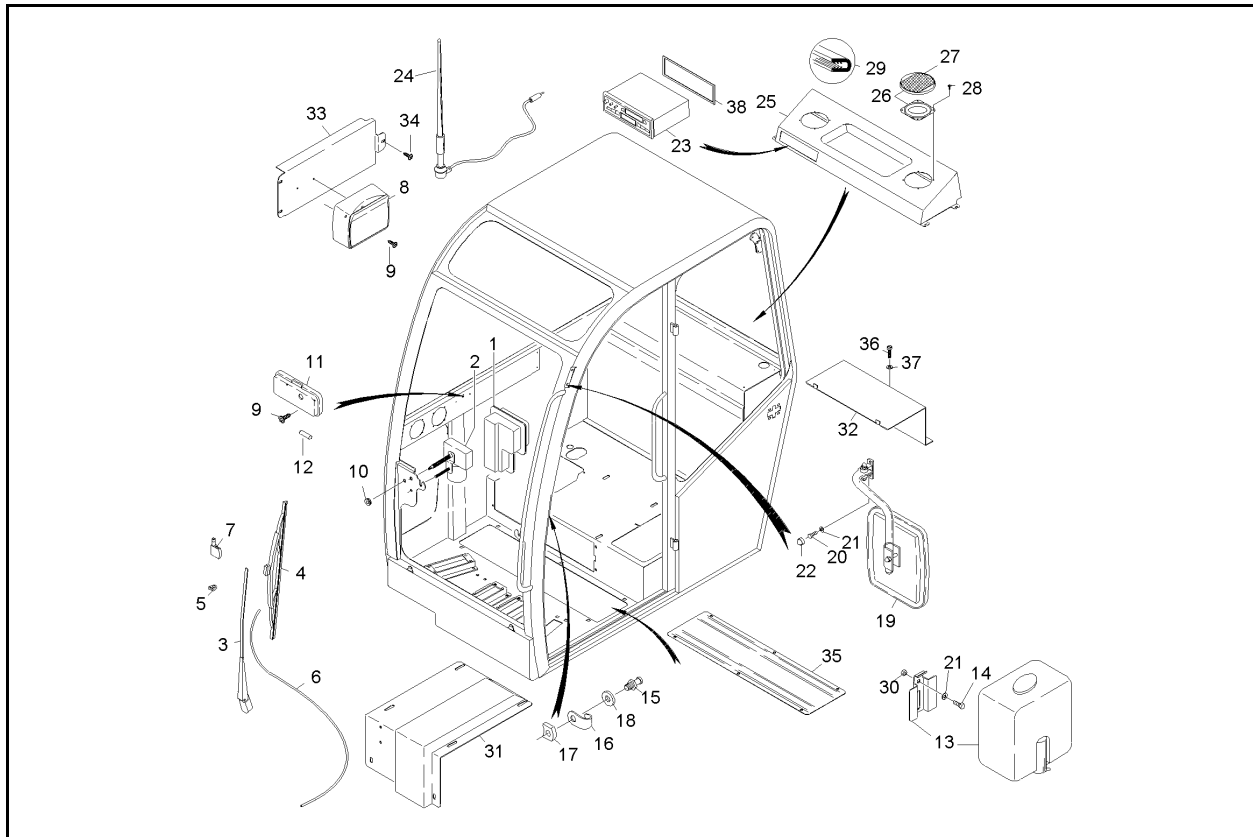
502 - CAB MOUNTING

1000116249



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160711	CUSHION	4	7	161669	LOCKWASHER S10	8
2	651403	HB M12-1.75 X 100 C8.8 ZY	4	8	160714	SUPPORT PLATE	2
3	161643	WASHER/ROUND HI-TENS	4	9	160715	SUPPORT PLATE	2
4	656008	CS M10-1.5 X 30 C8.8 ZY	6	10	161642	WASHER GR A13	4
5	651393	CS M10-1.5 X 25 C8.8 ZY	2	11	179793	NUT	4
6	161640	WASHER GR A10.5	12	12	656102	HB M10-1.25 F8 ZY	4

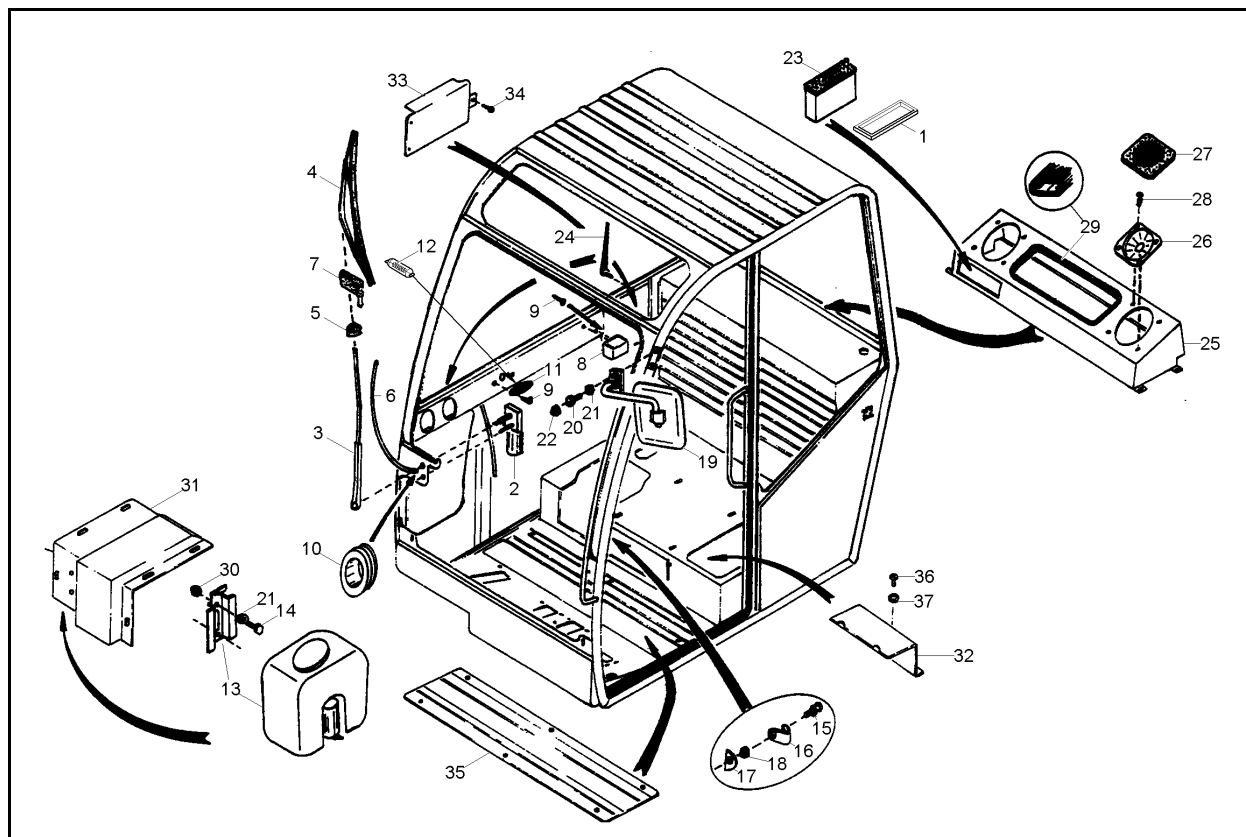
502 - CAB (CONT.)
1000116252 - CAB SN 37871 AND UP



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	164738	COVER	1	20	656149	CS M6-1 X 16 C8.8 ZY	2
2	161085	WIPER MOTOR	1	21	162924	WASHER	4
3	161084	WIPER ARM	1	22	162737	COVER	2
4	162795	WIPER BLADE	1	23	162006	RADIO	1
5	161086	CLIPS	2	24	162839	ANTENNA	1
6	204739	WATER HOSE (1.9M)	1	25	162766	STORAGE BOX	1
7	161087	NOZZLE	1	26	165204	SPEAKER	1
8	160481	ASHTRAY	1	27	162799	COVER	2
9	162035	SCREW	4	28	162035	SCREW	8
10	162797	PLUG	8	29	207165	EDGE PROTECTION (1.1M)	1
11	160488	DOME LIGHT	1	30	651457	LN INS M6-1 C8 ZY	2
12	164182	BULB	1	31	162767	COVER	1
13	160716	WINDSHIELD WASHER	1	32	162768	COVER	1
14	656092	CS M6-1 X 12 C8.8 ZY	2	33	162769	COVER	1
15	161921	PIN	1	34	162036	SCREW	3
16	164771	BRACKET	1	35	162770	COVER	1
17	164678	PLATE	1	36	162771	SCREW	1
18	161923	WASHER	1	37	162925	WASHER	1
19	162607	MIRROR LT	1	38	164187	FRAME	1

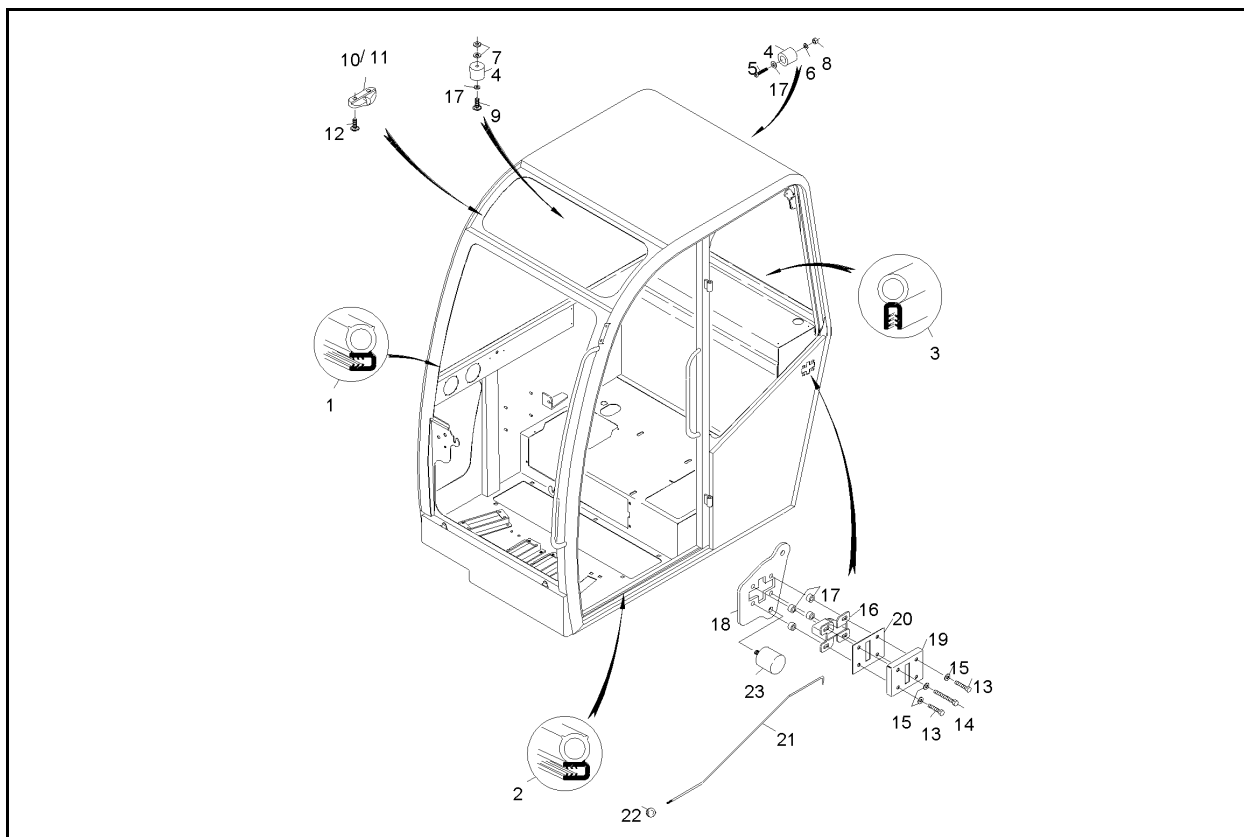
502 - CAB (CONT.)

1000116250 - CAB SN 37870 AND BEFORE



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	164187	FRAME	1	20	656149	CS M6-1 X 16 C8.8 ZY	2
2	161085	WIPER MOTOR	1	21	162924	WASHER	4
3	161084	WIPER ARM	1	22	162737	COVER	2
4	162795	WIPER BLADE	1	23	162006	RADIO	1
5	161086	CLIP	1	24	162839	ANTENNA	1
6	204739	WATER HOSE (1.9M)	1	25	162766	STORAGE BOX	1
7	161087	NOZZLE	1	26	165204	SPEAKER	1
8	160481	ASHTRAY	1	27	162799	COVER	2
9	162035	SCREW	4	28	162035	SCREW	8
10	162797	PLUG	8	29	207165	EDGE PROTECTION (1.1M)	1
11	160488	DOME LIGHT	1	30	651457	LN INS M6-1 C8 ZY	2
12	164182	BULB	1	31	162767	COVER	1
13	160716	WINDSHIELD WASHER	1	32	162768	COVER	1
14	656092	CS M6-1 X 12 C8.8 ZY	2	33	162769	COVER	1
15	161921	PIN	1	34	162036	SCREW	3
16	164771	BRACKET	1	35	162770	COVER	1
17	164678	PLATE	1	36	162771	SCREW	1
18	161923	WASHER	1	37	162925	WASHER	1
19	162607	MIRROR LT	1				

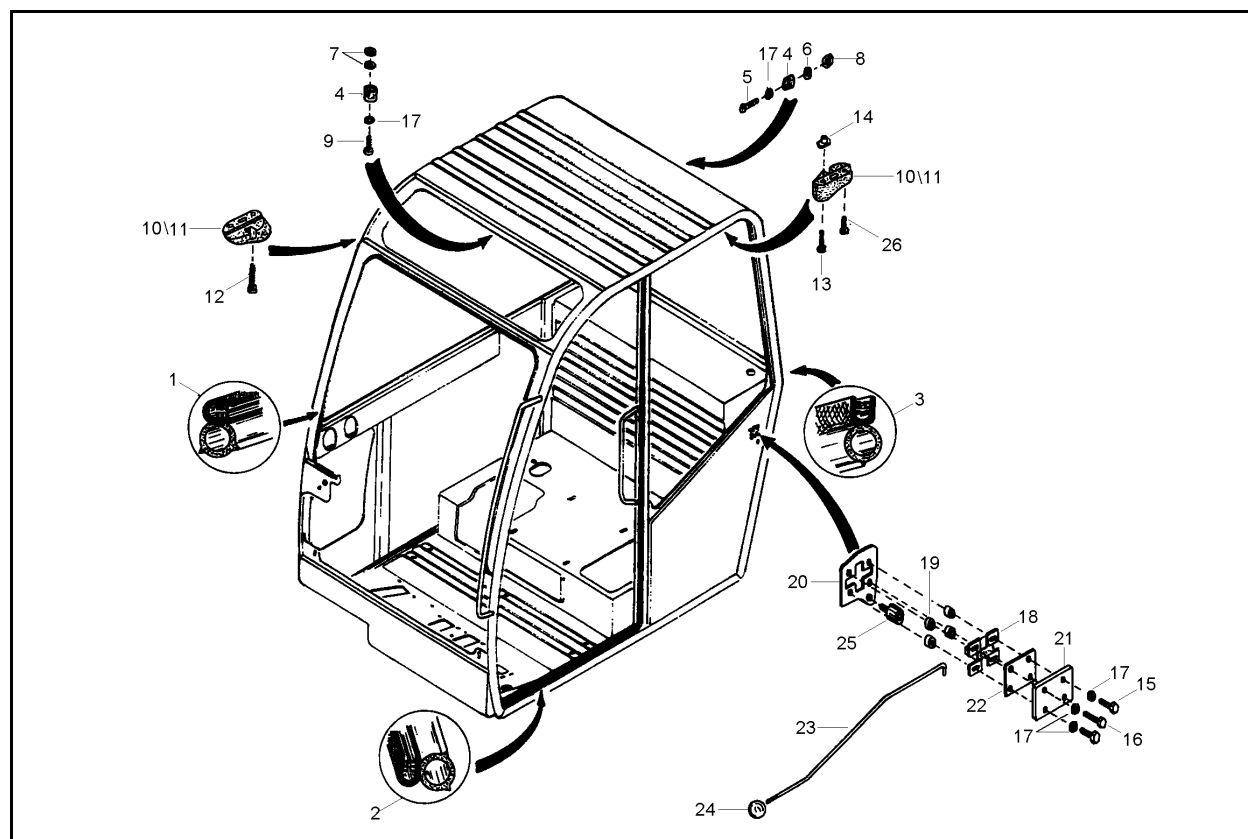
502 - CAB (CONT.)
1000116257 - CAB SN 37871 AND UP



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206922	HOSE PROFILE (2.4M)	1	13	656128	CS M6-1 X 30 C8.8 ZY	3
2	205663	RUBBER PROFILE (4.6M)	1	14	651428	CS M6-1 X 50 C8.8 ZY	1
3	207126	RUBBER PROFILE (1.7M)	1	15	162924	WASHER	6
4	162600	RUBBER BUFFER	2	16	162801	DOOR LOCK	1
5	162862	SCREW	3	17	162802	WASHER	4
6	162925	WASHER	1	18	162803	BRACKET	1
7	162800	WASHER	2	19	162804	COVER	1
8	656100	HN M5-0.8 C8 ZY	1	20	162805	RUBBER SEAL	1
9	162857	SCREW	1	21	160986	BAR	1
10	160526	LOCK	1	22	161089	HANDLE	1
11	160527	LOCK	1	23	162789	RUBBER BUFFER	1
12	162029	SCREW	4				

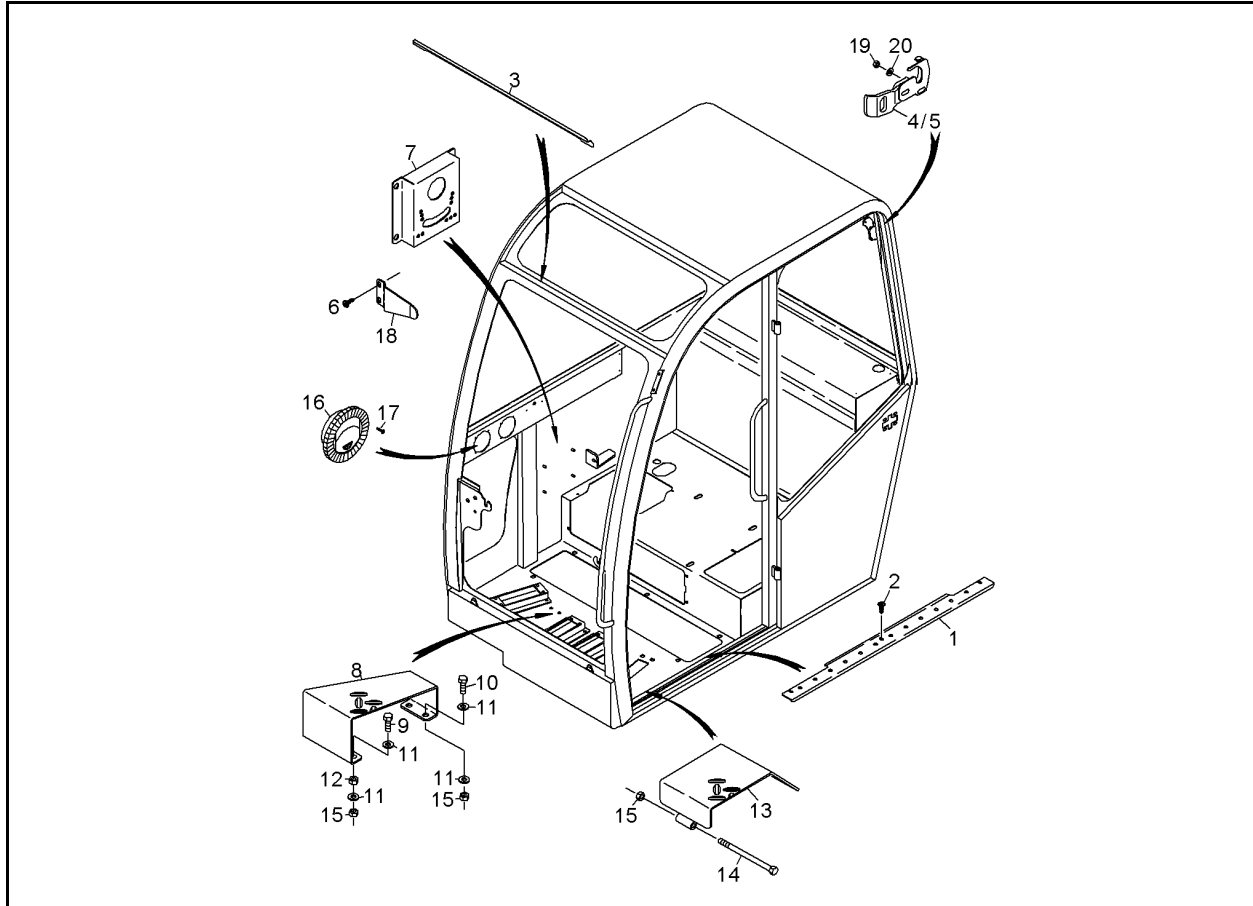
502 - CAB (CONT.)

1000116254 - CAB SN 37870 AND BEFORE



1	206922	HOSE PROFILE (2.4M)	1	14	161843	NUT	4
2	205663	RUBBER PROFILE (4.6M)	1	15	656128	CS M6-1 X 30 C8.8 ZY	3
3	207126	RUBBER PROFILE (1.7M)	1	16	651428	CS M6-1 X 50 C8.8 ZY	1
4	162600	RUBBER BUFFER	2	17	162924	WASHER	6
5	162862	SCREW	3	18	162801	DOOR LOCK	1
6	162925	WASHER	1	19	162802	WASHER	4
7	162800	WASHER	2	20	162803	BRACKET	1
8	656100	HN M5-0.8 C8 ZY	1	21	162804	COVER	1
9	162857	SCREW	1	22	162805	RUBBER SEAL	1
10	160526	LOCK (FRONT LT, REAR RT)	2	23	160986	BAR	1
11	160527	LOCK (FRONT RT, REAR LT)	2	24	161089	HANDLE	1
12	162029	SCREW	4	25	162789	RUBBER BUFFER	1
13	162863	SCREW	2	26	162862	SCREW	2

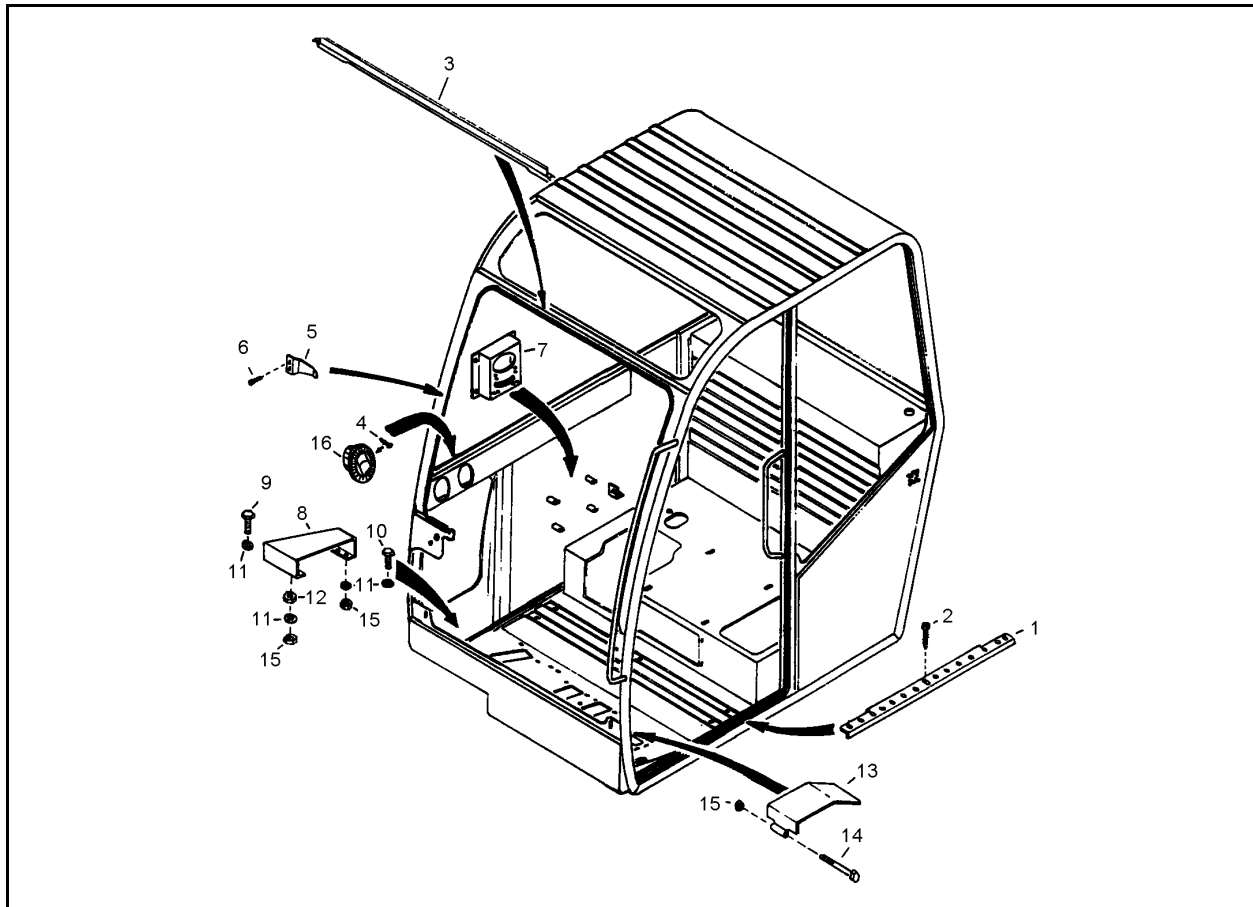
502 - CAB (CONT.)
1000116260 - CAB SN 37871 AND UP



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162772	SHIELD	1	11	161668	WASHER GR A8.4 ZO DIN134	2
2	161629	PAN HEAD TAP SCREW	3	12	656048	HN M8-1.25 C8 ZY	2
3	162806	GUTTER	1	13	163040	PLATE	1
4	164679	BRACKET RT	1	14	162870	SCREW	1
5	164680	BRACKET LT	1	15	651458	LN INS M8-1.25 C8 ZY	5
6	162036	SCREW	2	16	162810	NOZZLE	2
7	162808	BRACKET	1	17	162869	SCREW	6
8	162809	BRACKET	1	18	162807	BRACKET	1
9	656105	CS M8-1.25 X 25 C8.8 ZY	2	19	162924	WASHER	4
10	656093	CS M8-1.25 X 16 C8.8 ZY	2	20	651457	LN INS M6-1 C8 ZY	4

502 - CAB (CONT.)

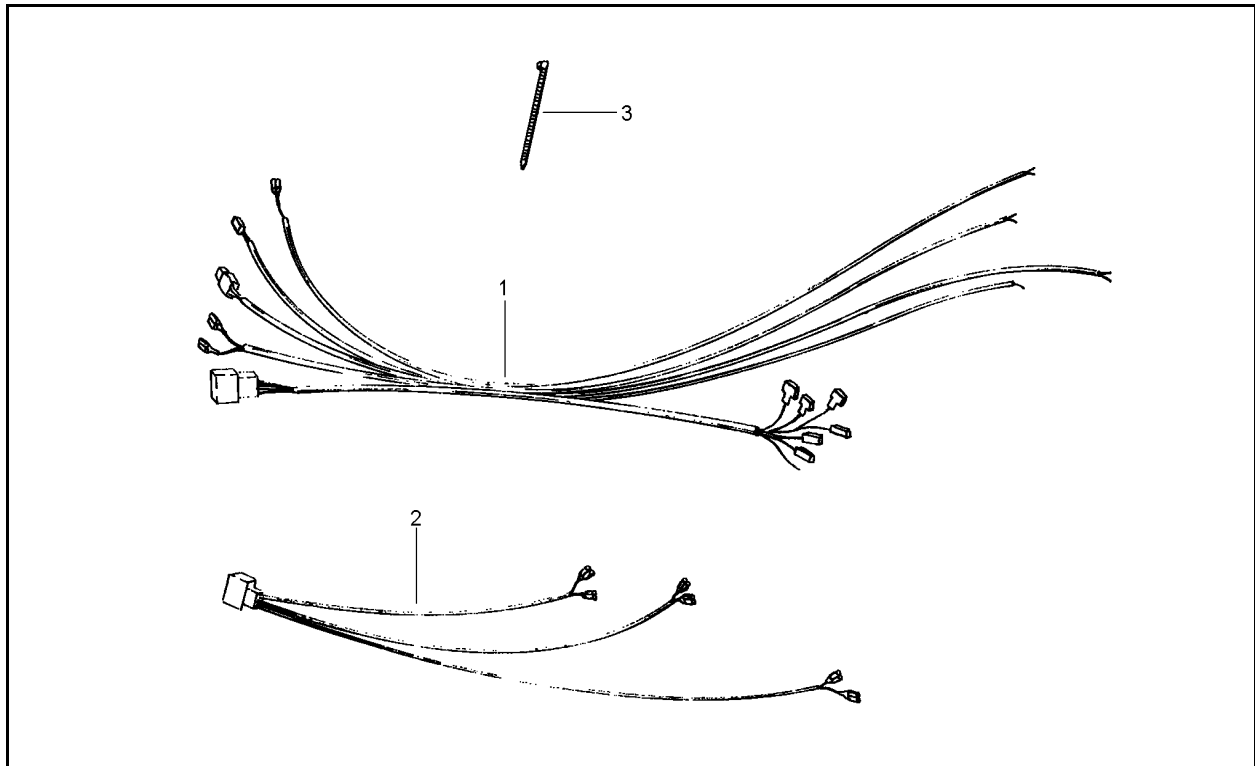
1000116258 - CAB SN 37870 AND BEFORE



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162772	SHIELD	1	9	656105	CS M8-1.25 X 25 C8.8 ZY	2
2	161629	PAN HEAD TAP SCREW	3	10	656093	CS M8-1.25 X 16 C8.8 ZY	2
3	162806	GUTTER	1	11	161668	WASHER GR A8.4 ZO DIN134	2
4	162869	SCREW	6	12	656048	HN M8-1.25 C8 ZY	2
5	162807	BRACKET	1	13	162773	COVER	1
6	162036	SCREW	2	14	162870	SCREW	1
7	162808	BRACKET	1	15	651458	LN INS M8-1.25 C8 ZY	5
8	162809	BRACKET	1	16	162810	NOZZLE	2

502 - WIRING HARNESS

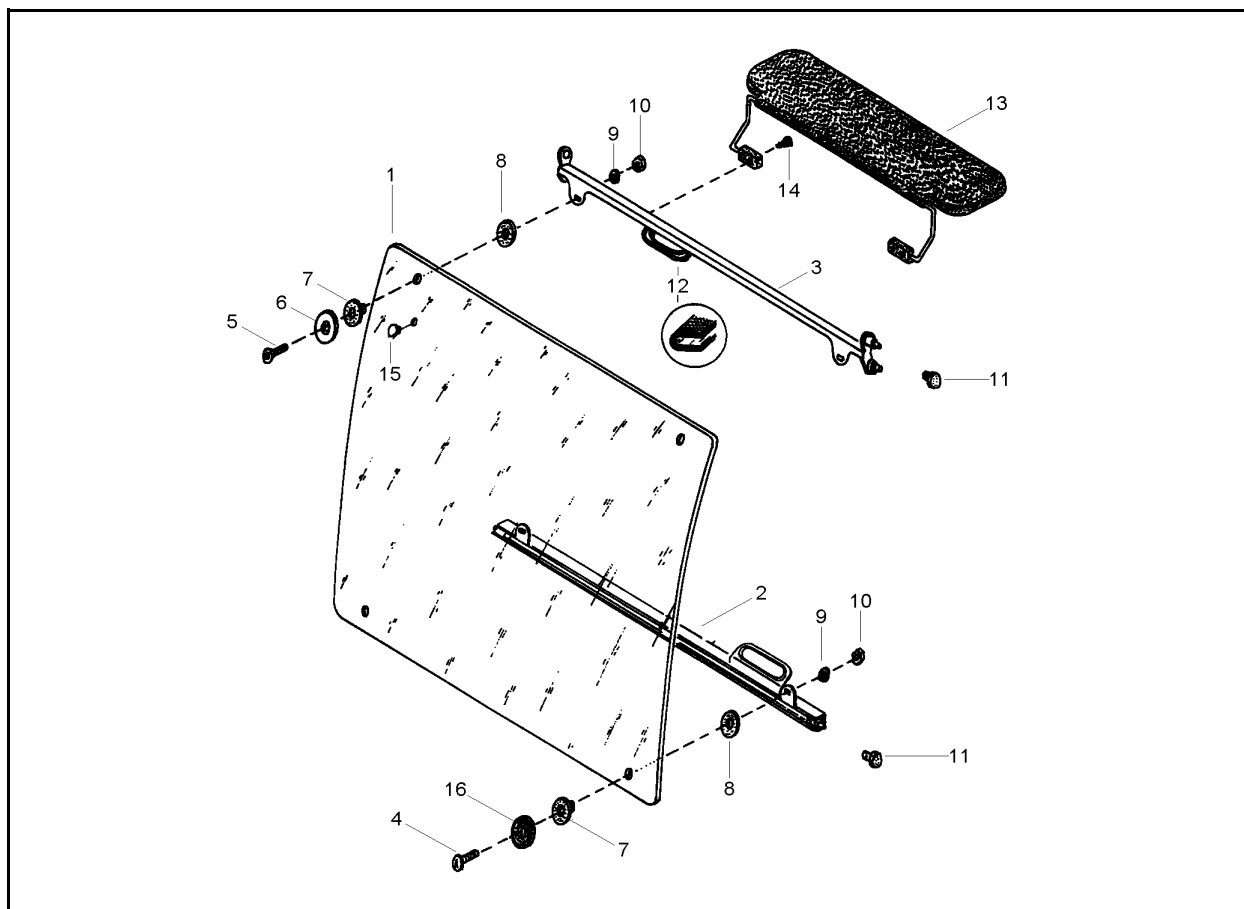
1000116262



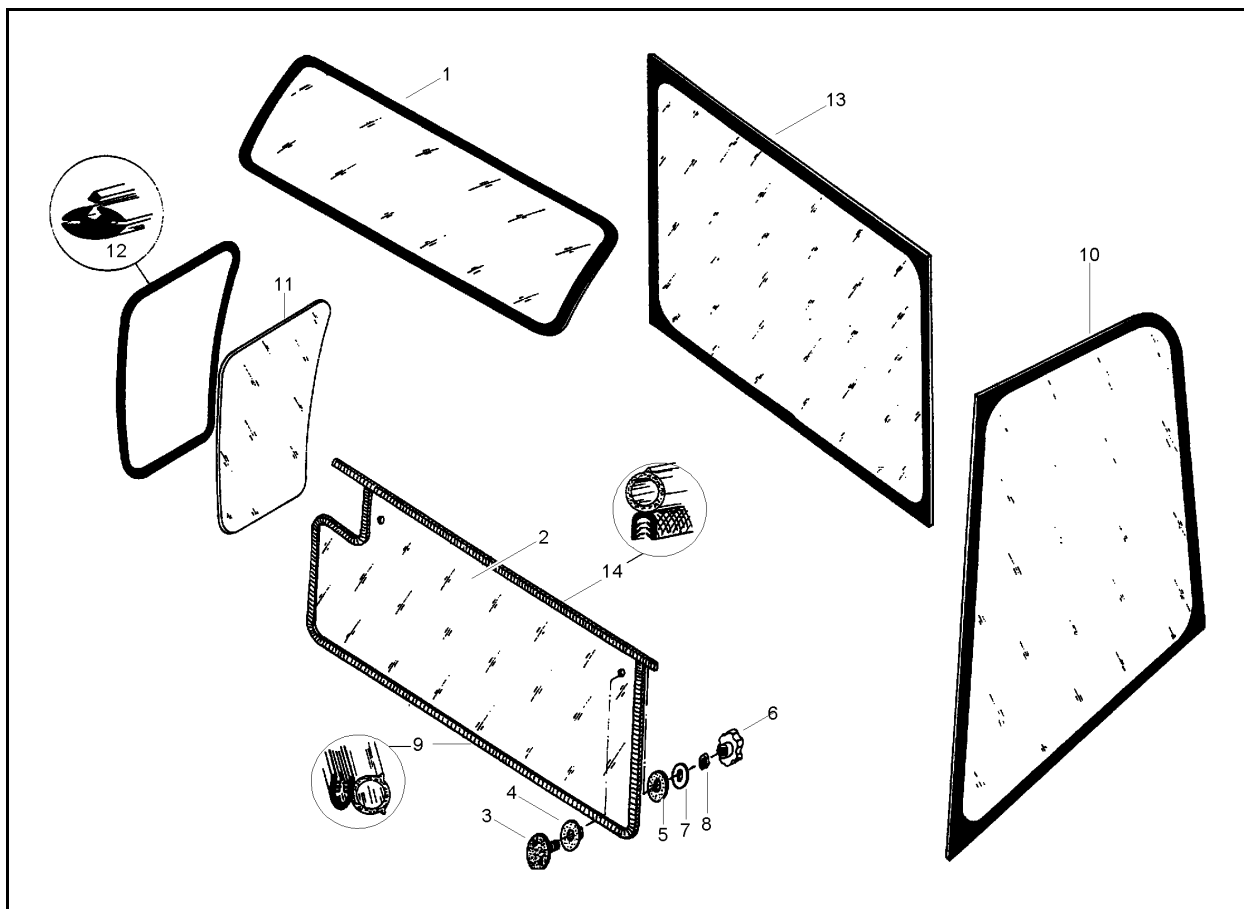
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160987	WIRING HARNESS/MAIN	1	3	162835	STRAP	2
2	160988	WIRING HARNESS/SECONDARY	1				

502 - FRONT WINDOW

1000116264



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160495	FRONT WINDOW	1	9	161668	WASHER GR A8.4 ZO DIN134	4
	178678	FRONT WINDOW TINTED	1	10	161618	HEX NUT/DOMED CAP M8	4
2	162602	WINDOW FRAME/LOWER	1	11	160494	PVC WASHER	4
3	162603	WINDOW FRAME/UPPER	1	12	207211	EDGE PROTECTION (1.0M)	1
4	162033	SCREW	2	13	179091	SUN VISOR COMPLETE	1
5	651466	FHCS M8-1.25 X 20 C8.8 ZY	2	14	162868	SCREW	4
6	161941	WASHER	2	15	162601	RUBBER PLUG	1
7	160640	RUBBER WASHER	4	16	160641	PVC WASHER	2
8	160639	RUBBER WASHER	4				

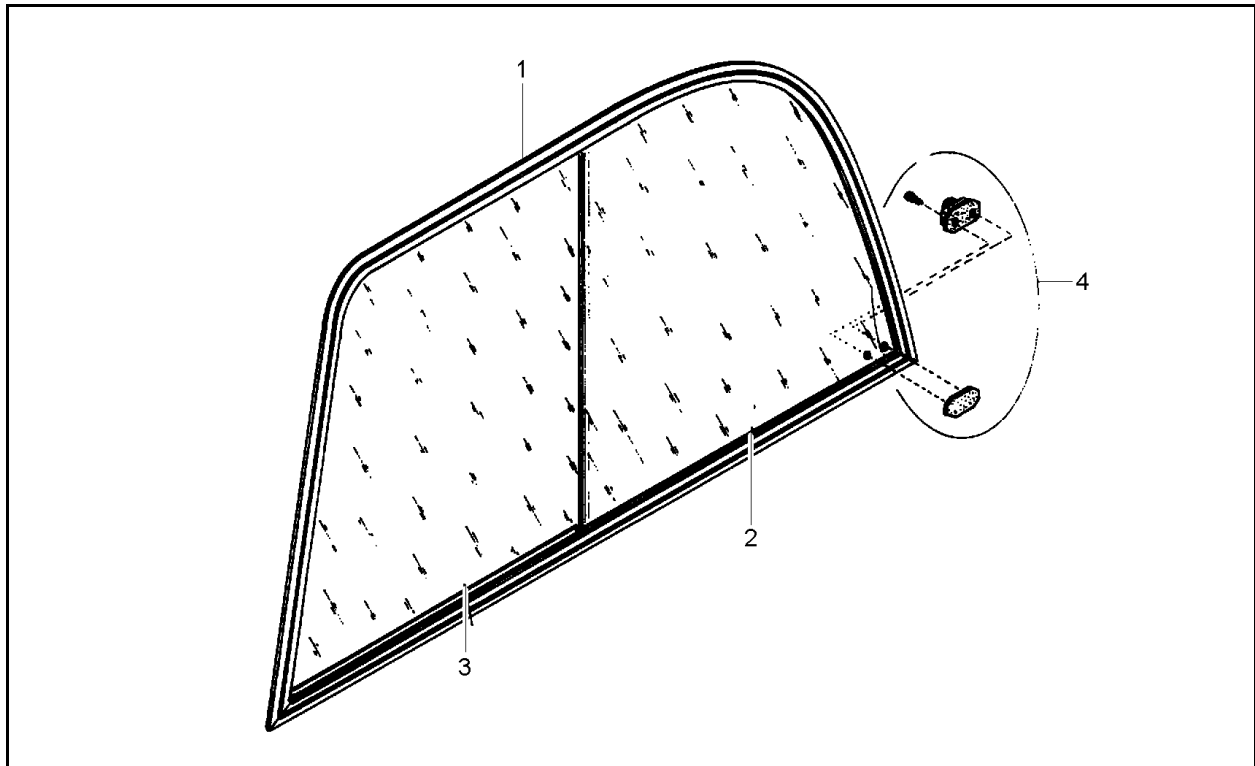


Ref. No.	Part No.	Description	Qty.
1	160496	FRONT WINDOW/TOP	1
2	164749	FRONT WINDOW/LOWER	1
3	161091	PVC WASHER	2
4	160640	RUBBER WASHER	2
5	160639	RUBBER WASHER	2
6	161404	HANDLE	2
7	162812	WASHER	2
8	656048	HN M8-1.25 C8 ZY	2

Ref. No.	Part No.	Description	Qty.
9	205201	RUBBER PROFILE (1.75M)	1
10	160990	SIDEPANE LT	1
	179189	SIDEPANE LT TINTED	1
11	161082	UPPER SIDEPANE	1
12	204741	RUBBER PROFILE (1.3M)	1
13	164751	REAR WINDOW	1
14	207230	RUBBER PROFILE (0.87M)	1

502 - CAB SLIDING WINDOW

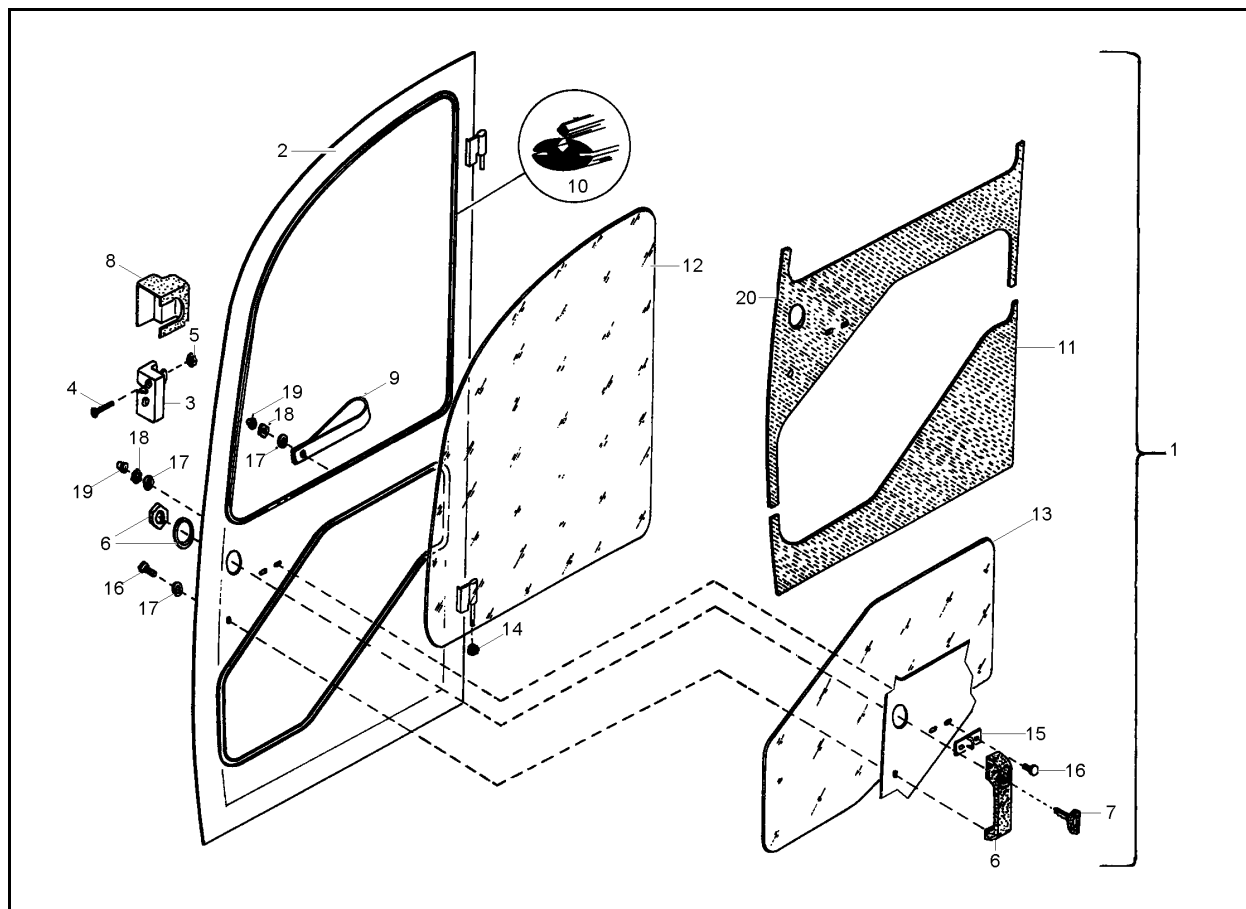
1000116270



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	179200	SLIDING WINDOW COMPLETE	1	3	160992	WINDOW/STATIONARY	1
2	161093	WINDOW/SLIDING	1	4	160642	LOCK	1

502 - CAB DOOR

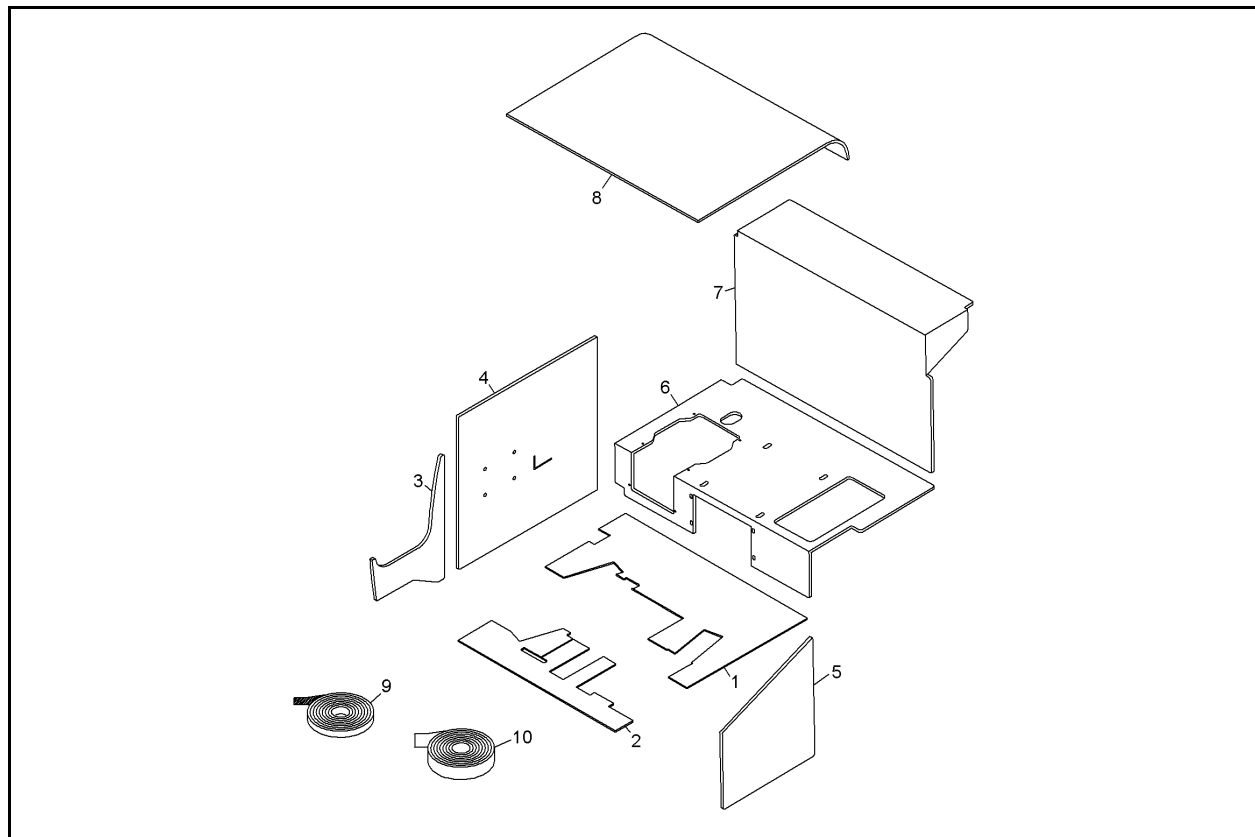
1000116272



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	179204	CAB DOOR COMPLETE	1	11	162814	DOOR ISOLATION	1
2	162777	DOOR FRAME	1	12	161078	DOOR WINDOW	1
3	160525	LOCK W/O KEYS	1	13	160993	LOWER DOOR PANE	1
4	162864	SCREW	2	14	162923	NUT	1
5	651458	LN INS M8-1.25 C8 ZY	2	15	161098	LOCK	1
6	161096	HANDLE	1	16	651424	CS M6-1 x 20 C8.8 ZY	3
7	160713	KEYS W/O LOCK	2	17	162813	WASHER	4
8	165221	COVER	1	18	651457	LN INS M6-1 C8 ZY	3
9	161097	TIE	1	19	162737	COVER	4
10	204732	RUBBER PROFILE (4.40M)	1	20	162778	DOOR ISOLATION	1

502 - CAB ISOLATION MATS

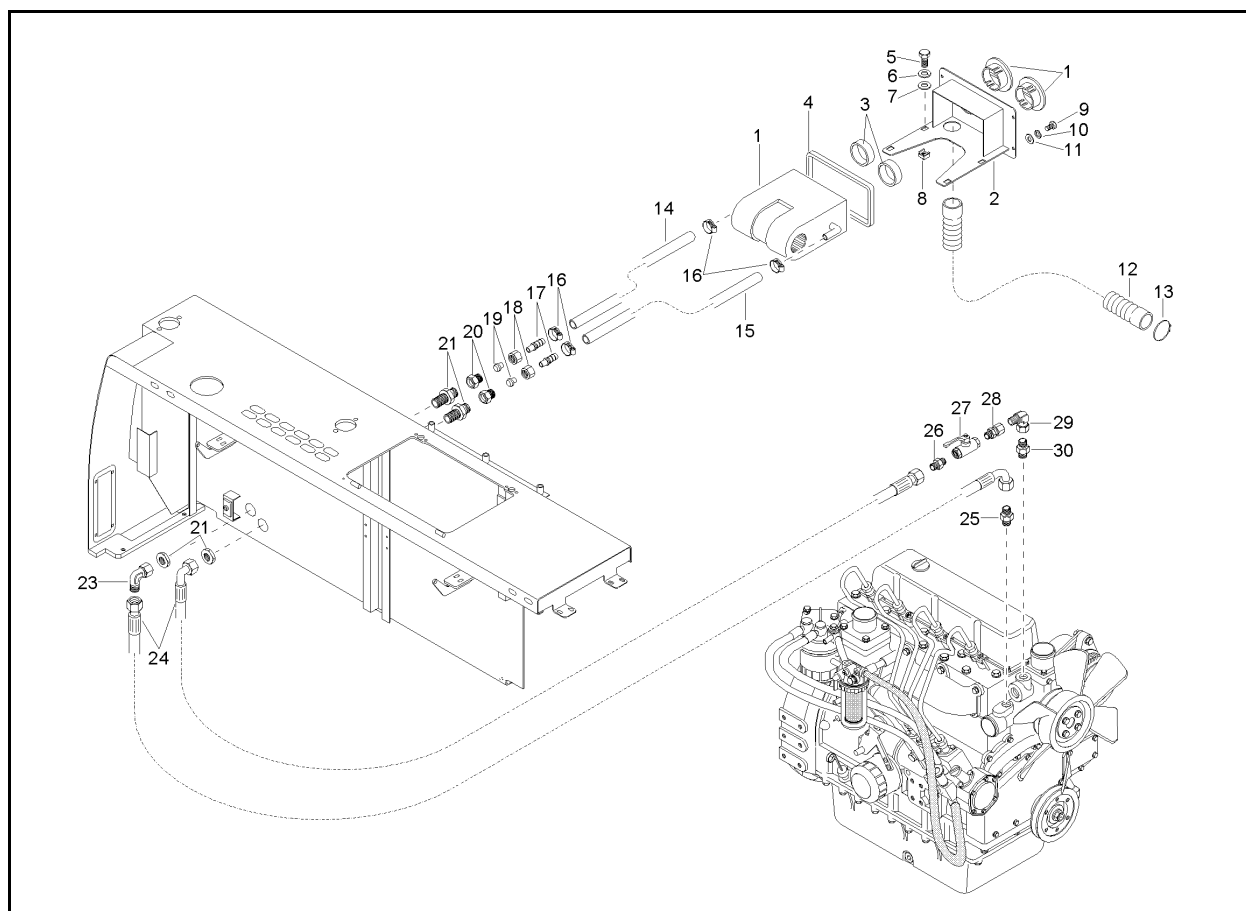
1000116275



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204775	RUBBER FLOOR MAT/BACK (CAB SN 37003 and up)	1	4	162781	ISOLATION MAT/RT BACK	1
	160994	RUBBER FLOOR MAT/BACK (CAB SN 37002 and before)	1	5	162815	ISOLATION MAT LT	1
2	204776	RUBBER FLOOR MAT/FRONT (CAB SN 37003 and up)	1	6	162782	ISOLATION MAT/SEAT	1
	160995	RUBBER FLOOR MAT/FRONT (CAB SN 37002 and before)	1	7	162783	ISOLATION MAT/REAR	1
3	162780	ISOLATION MAT/RT FRONT	1	8	162816	ISOLATION MAT/ROOF	1
				9	207145	VELCRO STRAP 25mm (13.0M)	1
				10	207147	VELCRO STRAP 50mm (7.0M)	1

502 - HEATER

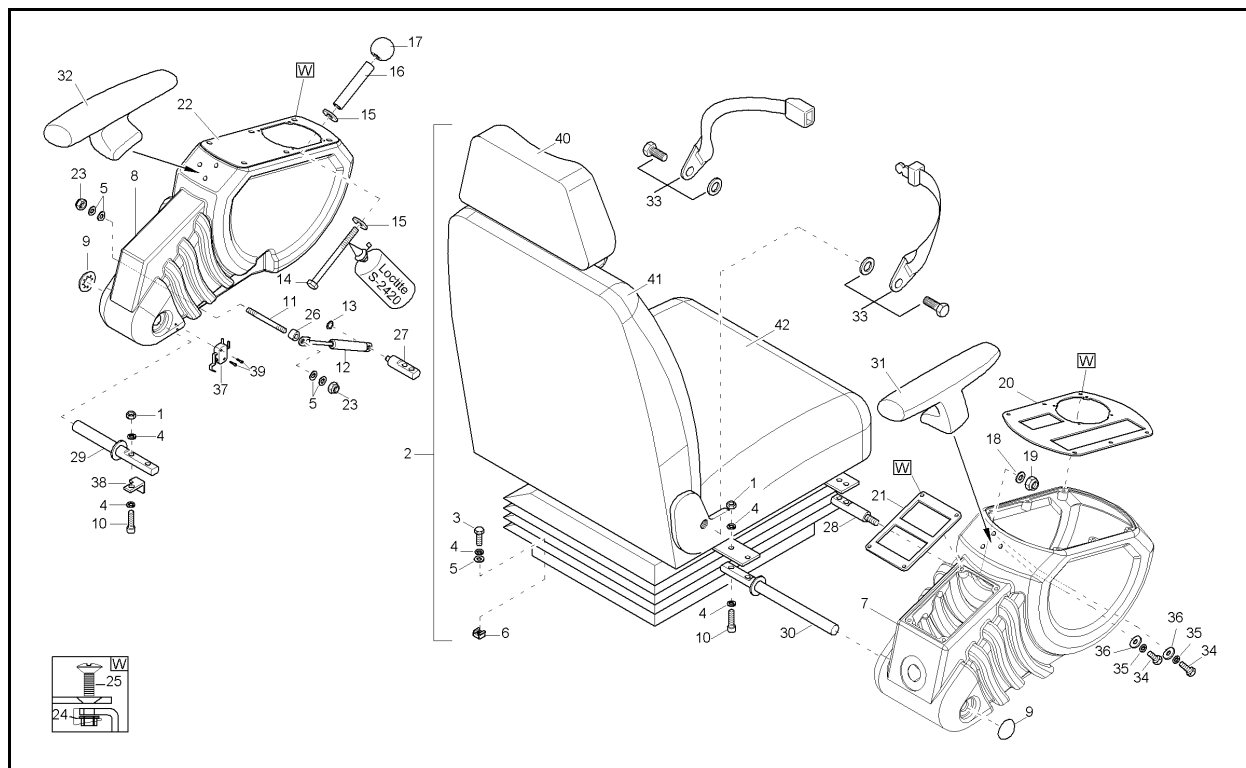
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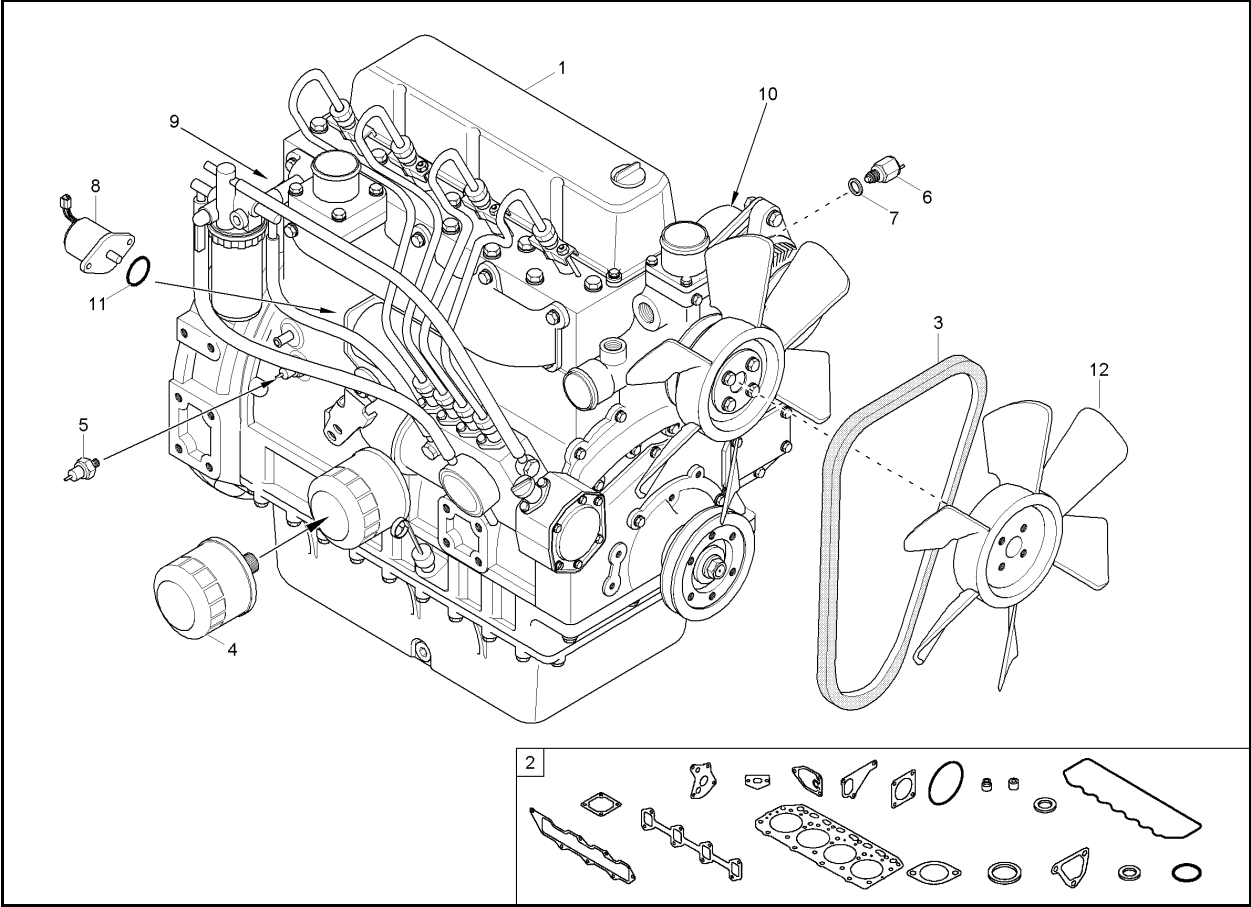
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161077	CAB HEATER	1	16	162064	HOSE CLAMP	4
2	164731	CAB HEATER BRACKET	1	17	160860	HOSE COVER	2
3	162605	WASHER	2	18	7788010663	UNION NUT A1 12VERZ	2
4	205180	SEAL FOAM (0.7M)	1	19	161424	WASHER	2
5	651514	SHCS M8-1.25 X 16 C8.8 ZY	4	20	161470	REDUCTION JOINT	2
6	163670	WASHER	4	21	161484	SCREW JOINT	2
7	7462680011	WASHER 8.4 ST A2C	4	22	161102	NOZZLE	2
8	161615	CAGE NUT M8	4	23	161446	ANGLE	1
9	651424	CS M6-1 X 20 C8.8 ZY	4	24	161323	HP HOSE	2
10	161675	LOCKWASHER S6	4	25	161463	SCREW JOINT	1
11	161660	WASHER GR A6.4 ZO DIN125	4	26	161504	SCREW JOINT	1
12	207102	SUPERFLEX HOSE (0.8M)	1	27	160950	BALL VALVE	1
13	162835	STRAP	1	28	161477	SCREW JOINT	1
14	206801	HEATER HOSE (0.46M)	1	29	161445	90° FITTING	1
15	205410	HEATER HOSE (0.6M)	1	30	161496	SCREW JOINT	1

502 - OPERATOR'S SEAT

1000116281



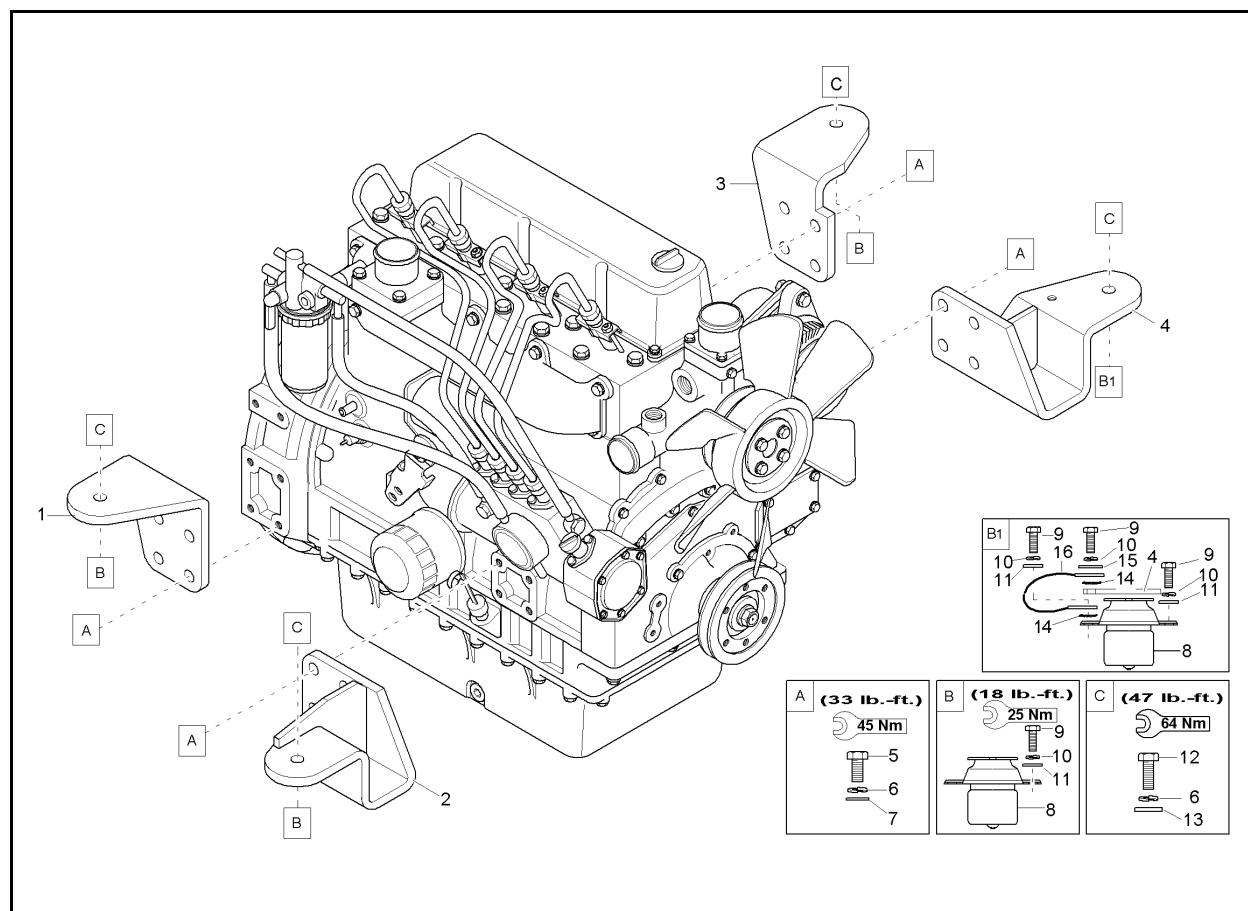
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	656048	HN M8-1.25 C8 ZY	8	23	651458	LN INS M8-1.25 C8 ZY	2
2	162738	OPERATOR SEAT (CLOTH)	1	24	162048	CLIP-ON NUT	16
3	177648	HEX SCREW	4	25	651460	FHCS M58-0.8 X 16 C8.8 ZY	16
4	163670	WASHER	20	26	161805	TUBE	1
5	163634	WASHER	8	27	162211	PIN	2
6	161615	CAGE NUT M8	4	28	162210	PIN	1
7	160407	CONTROL LEVER CONSOLE	1	29	162212	PIN	1
8	160408	CONTROL LEVER CONSOLE	1	30	162213	PIN	1
9	161730	PLUG	2	31	160532	ARMREST	1
10	651517	SHCS M8-1.25 X 30 C8.8 ZY	8	32	160533	ARMREST	1
11	161831	PIN	1	33	207060	SEATBELT	1
12	160611	SPRING	1	34	651507	SHCS M6-1 X 20 C8.8 ZY	6
13	161848	LOCKWASHER	1	35	161675	LOCKWASHER S6	6
14	651390	HB M10-1.5 X 120 C8.8 ZY	1	36	7462680008	WASHER GR A6.4	6
15	161651	WASHER 20	2	37	161362	MICROSWITCH	1
16	161868	TUBE	1	38	162674	BRACKET	1
17	161631	KNOB D40mm	1	39	161628	SCREW/PAN HEAD TAP	2
18	161640	WASHER GR A10.5	1	40	177457	NECK SUPPORT	1
19	651448	LN INS M10-1.5 C8 ZY	1	41	177458	CUSHION	1
20	161947	COVER	1	42	177448	SEAT UPHOLSTERY	1
21	162214	COVER	1				
22	161834	COVER	1				



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162676	DIESEL ENGINE (4TNE88-ENSW)	1	7	160427	SEAL	1
2	425-36012	GASKET SET (4TNE88-ENSW)	1	8	425-35925	SOLENOID STOP	1
3	177630	V-BELT	1	9	425-36088	STARTER	1
4	137500	ENGINE OIL FILTER	1	10	140565	ALTERNATOR	1
5	425-36085	SENDER/OIL PRESSURE	1	11	204778	O-RING	1
6	425-34683	SWITCH/THERMOSTAT (110°C)	1	12	425-36086	COOLING FAN	1

502 - ENGINE MOUNTS

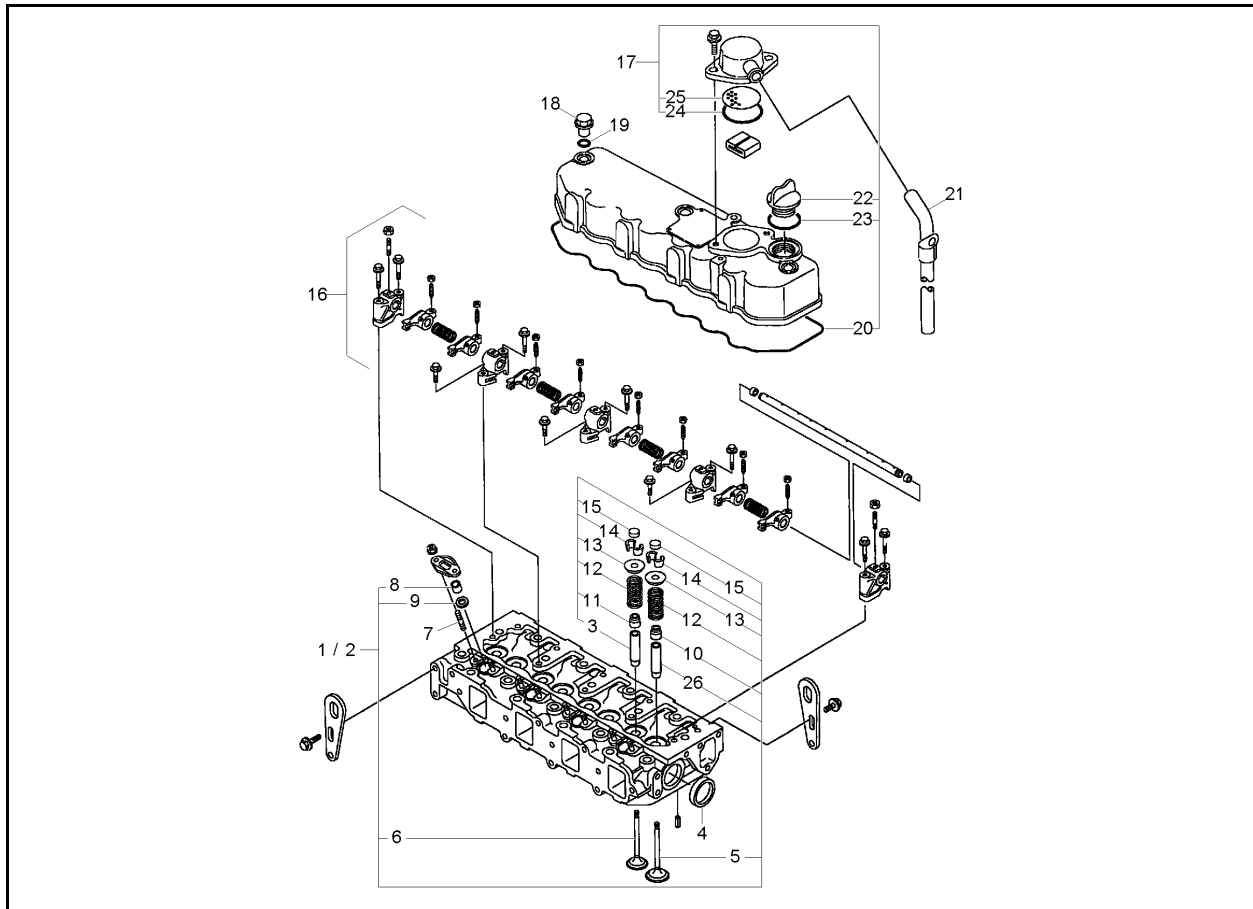
1000116296



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162394	ENGINE MOUNTING BRACKET	1	9	177648	HEX SCREW	8
2	162392	ENGINE MOUNTING BRACKET	1	10	163670	WASHER	8
3	162395	ENGINE MOUNTING BRACKET	1	11	163634	WASHER	7
4	162393	ENGINE MOUNTING BRACKET	1	12	651398	CS M10-1.5 X 35 C10.9 ZY	4
5	651473	SHCS M10-1.25 X 25 F8.8 ZY	16	13	163642	WASHER	4
6	161669	LOCKWASHER S10	20	14	177461	EXTERNAL TOOTH LOCKWASHER	2
7	161640	WASHER GR A10.5	16	15	7462680011	WASHER 8.4 ST A2C	1
8	160645	HYDRO SUSPENSION	4	16	165224	CORD	1

502 - CYLINDER HEAD

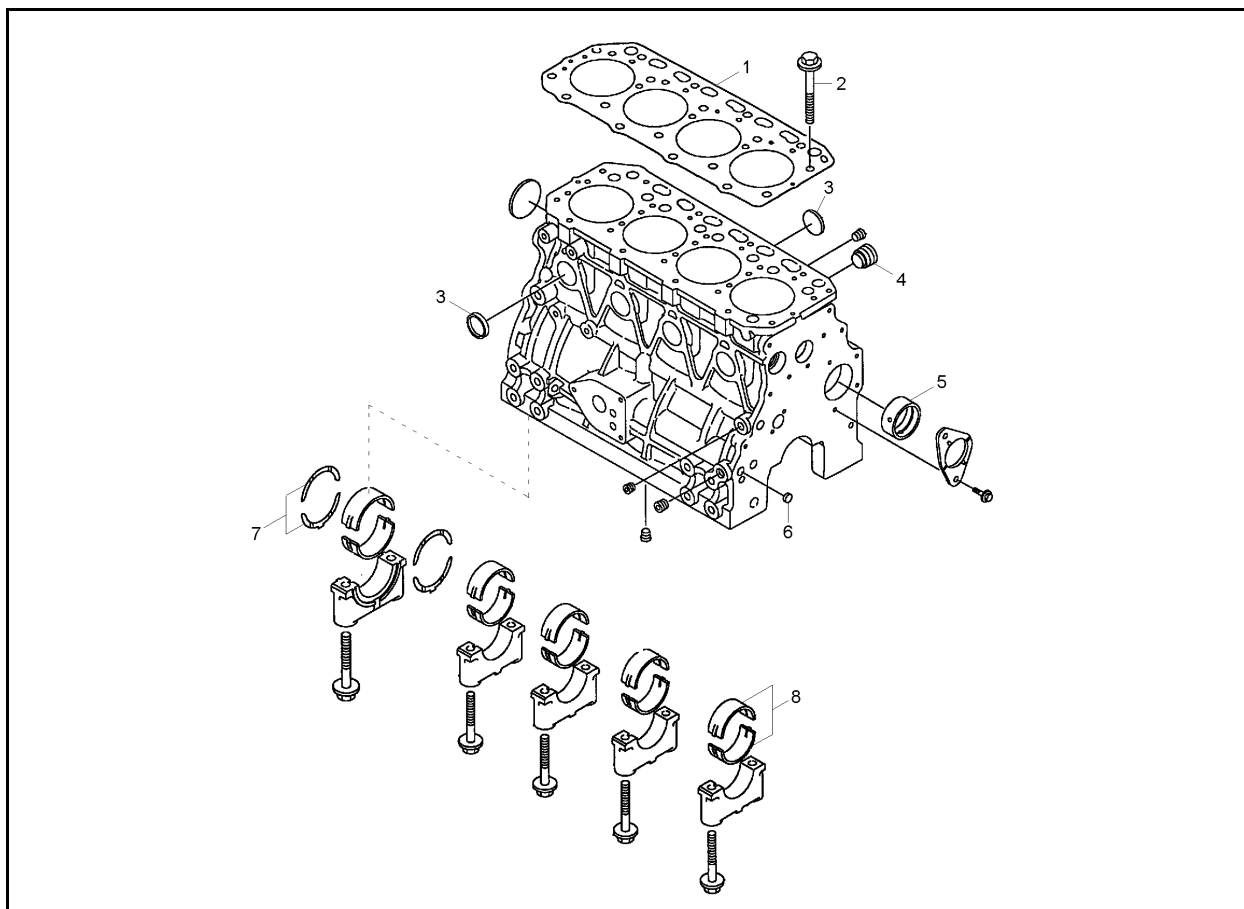
1000155192



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204779	CYLINDER HEAD (4TNE88-ENSW)	1	14	177297	CLAMP	8
2	204780	CYLINDER HEAD (4TNE88-NSW)	1	15	177247	VALVE CAP	8
3	177255	VALVE	4	16	204783	BEARING SUPPORT	1
4	177236	PLUG	2	17	204784	VALVE COVER	1
5	204781	INTAKE VALVE	4	18	206385	HEADNUT	3
6	177291	EXHAUST VALVE	4	19	164666	O-RING	3
7	204782	STUD BOLT	8	20	425-34689	GASKET/HEAD COVER	1
8	164704	HEAT SHIELD	4	21	204785	VENTING HOSE	1
9	206380	SEAL RING	4	22	164662	OIL COVER	1
10	206068	SEAL	4	23	177242	O-RING	1
11	177246	SEAL KIT	4	24	204786	SEAL	1
12	177295	SPRING	8	25	204787	SCREEN	1
13	177296	SPACER	8	26	177293	GUIDE	4

502 - CYLINDER BLOCK

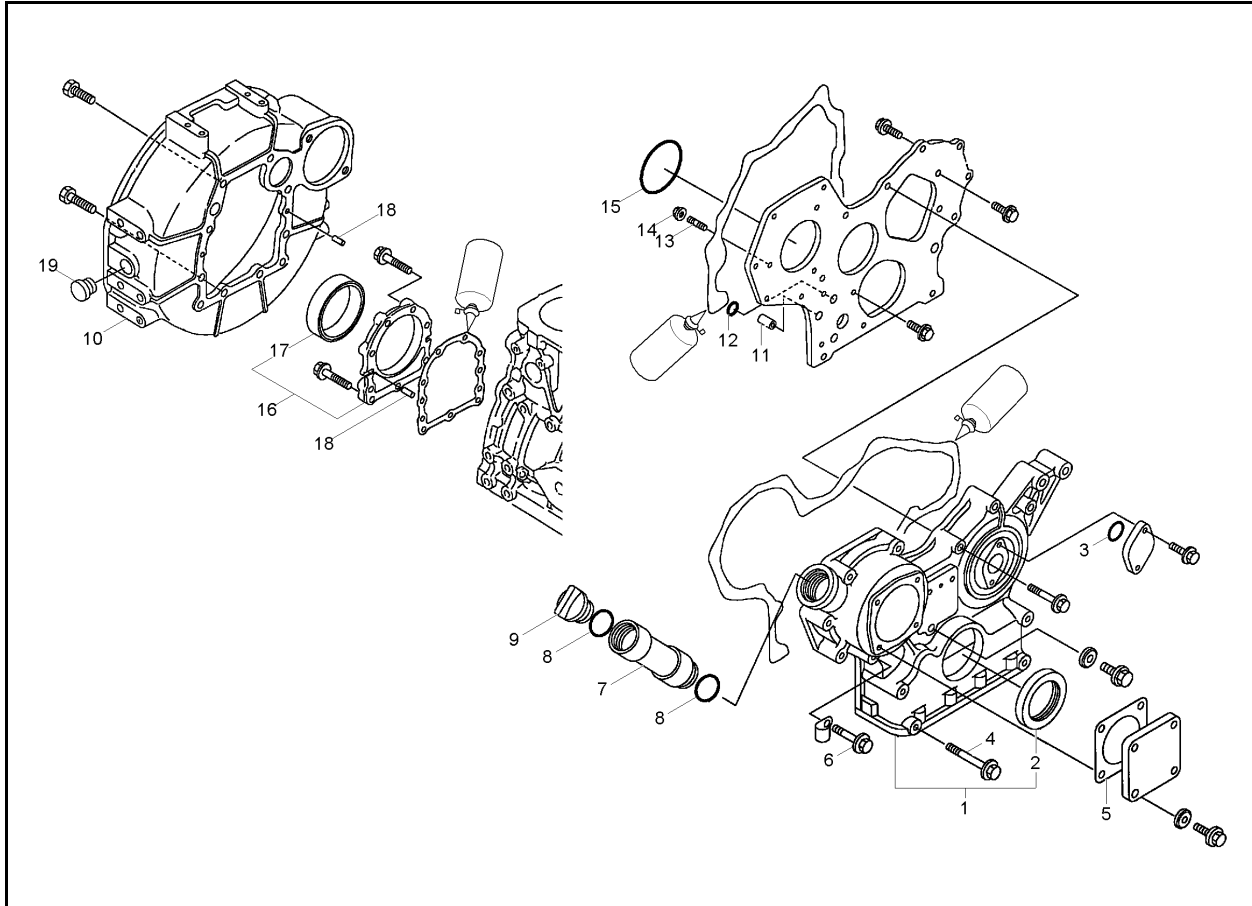
1000152075



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	425-36006	GASKET/CYLINDER HEAD	1	6	177260	PLUG	2
2	206387	CYLINDER HEAD SCREW	18	7	177240	AXIAL BEARING	2
3	0210110506	COVER	8		177362	AXIAL BEARING (OS=0.25)	2
4	206388	PLUG	1	8	177288	MAIN BEARING SET	5
5	177290	BUSHING	1		177241	MAIN BEARING SET (US=0.25)	5

502 - SEAL CRANKSHAFT

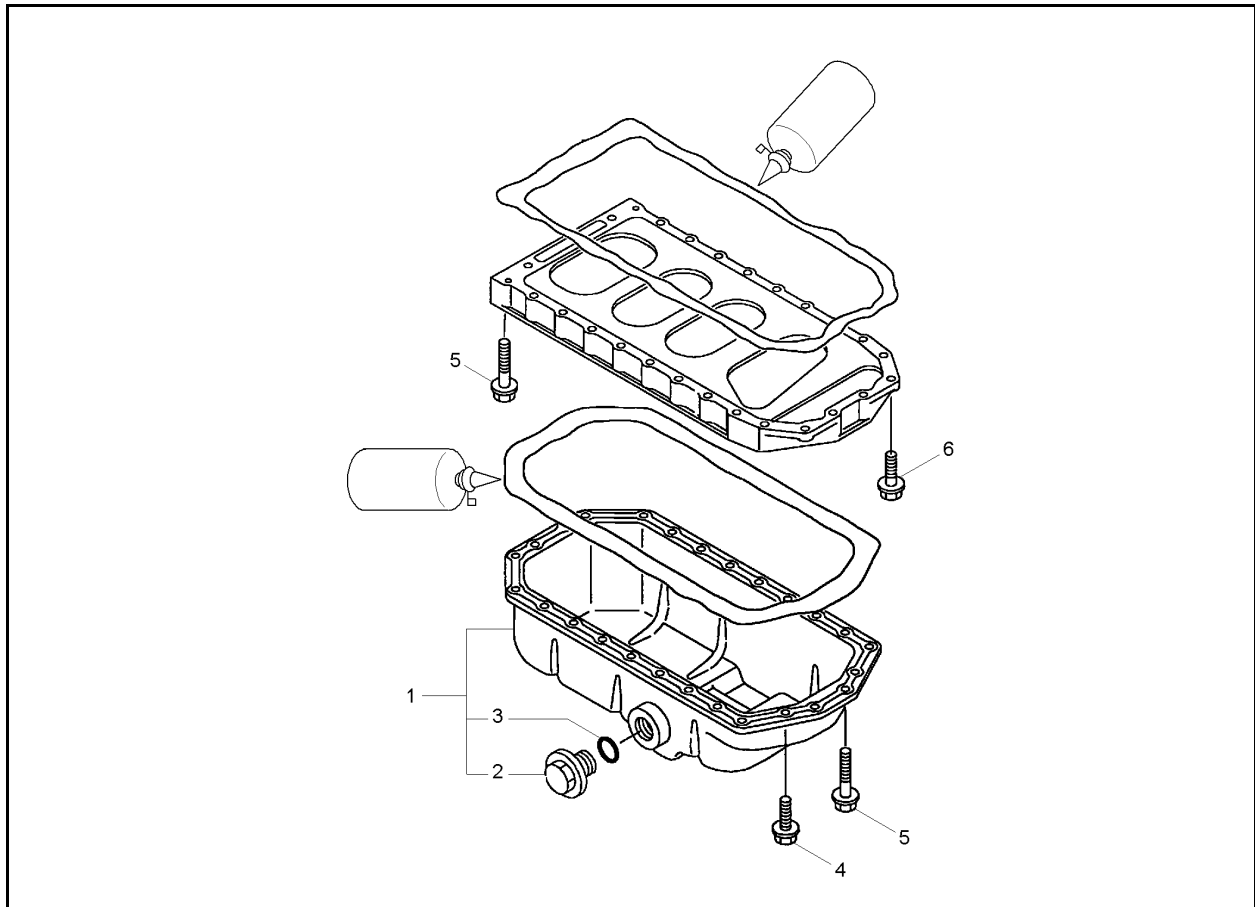
1000152134



Ref. No.	Part No.	Description	Qty.
1	204788	GEARBOX W/SHAFT SEAL	1
2	177238	SHAFT SEAL	1
3	164779	O-RING	1
4	177322	SCREW	4
5	208171	GASKET INJECTION PUMP	1
6	177402	SCREW	6
7	177250	OIL FILLER PIPE	1
8	177242	O-RING	2
9	164662	OIL COVER	1
10	177326	FLYWHEEL HOUSING	1

Ref. No.	Part No.	Description	Qty.
11	207031	PIPE LINE	2
12	177659	O-RING	2
13	178405	STUD BOLT	3
14	164345	NUT	3
15	177263	O-RING	1
16	177323	COVER	1
17	177324	SEAL	1
18	208161	FITTING PIN	4
19	177249	RUBBER PLUG	1

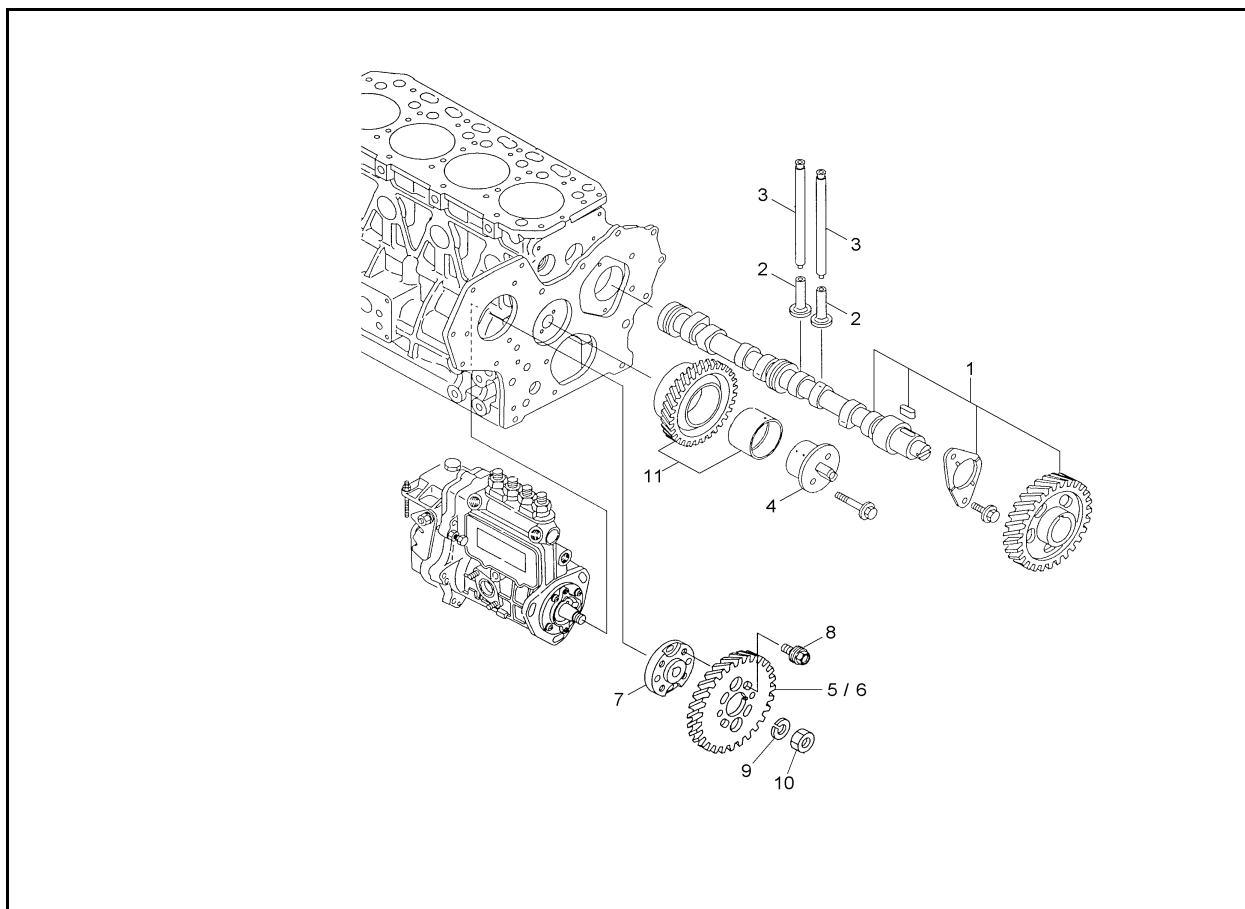
502 - OIL PAN 1000152133



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	425-36087	OIL PAN ASY	1	4	164316	SCREW	4
2	425-34753	OIL DRAIN PLUG	1	5	177402	SCREW	24
3	177665	O-RING	1	6	164438	SCREW	2

502 - CAMSHAFT

1000152131

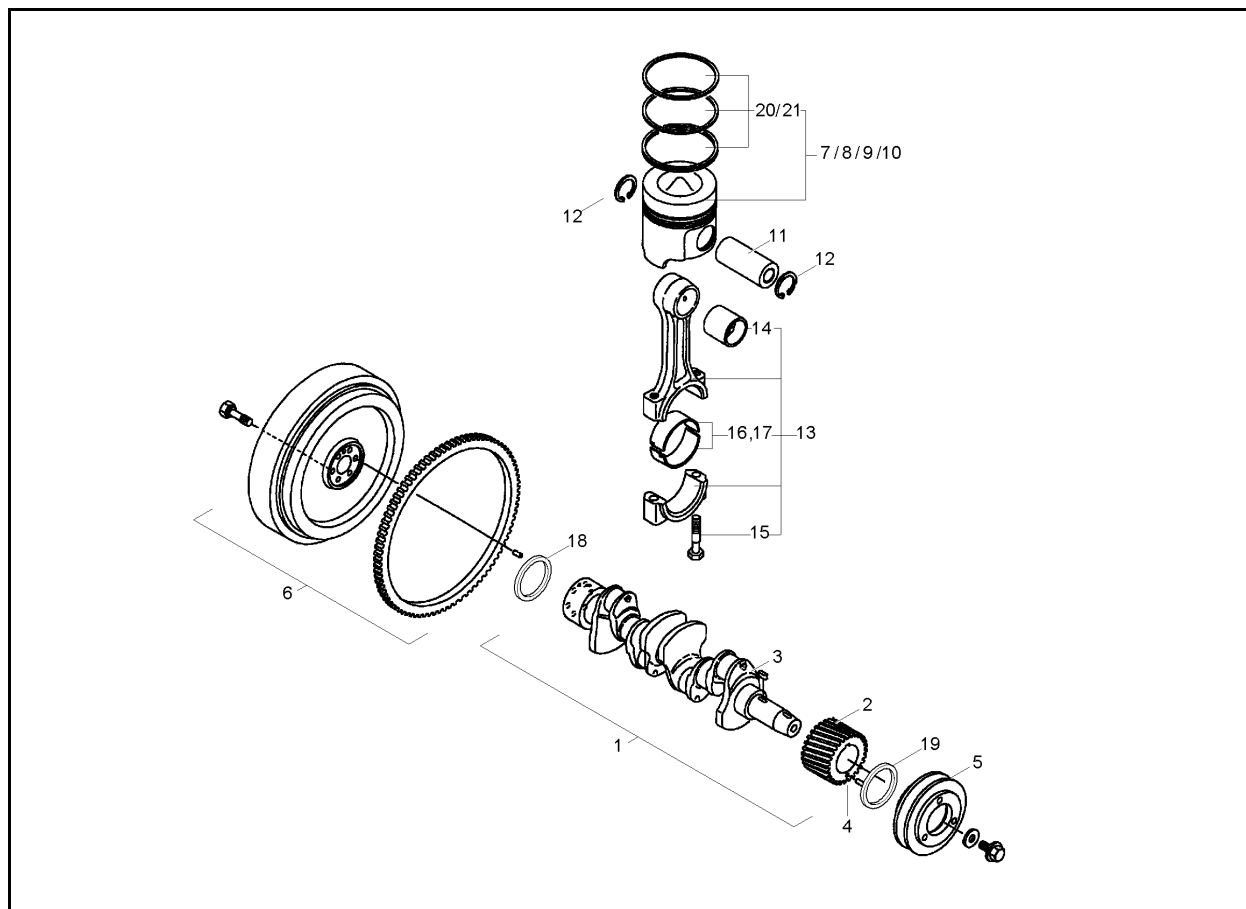


Ref. No.	Part No.	Description	Qty.
1	206394	CAMSHAFT ASY	1
2	177346	LIFTER	8
3	177270	PUSH ROD	8
4	204789	SLIDE BEARING	1
5	204790	GEAR (4TNE88-NSR/W)	1
6	204791	GEAR (4TNE88-ENSR/W)	1

Ref. No.	Part No.	Description	Qty.
7	204792	FLANGE (4TNE88-ENSR/W)	1
8	207036	SCREW (4TNE88-ENSR/W)	4
9	206258	SPRING RING	1
10	206259	HEXAGON NUT	1
11	204793	GEAR	1

502 - CRANKSHAFT & PISTONS

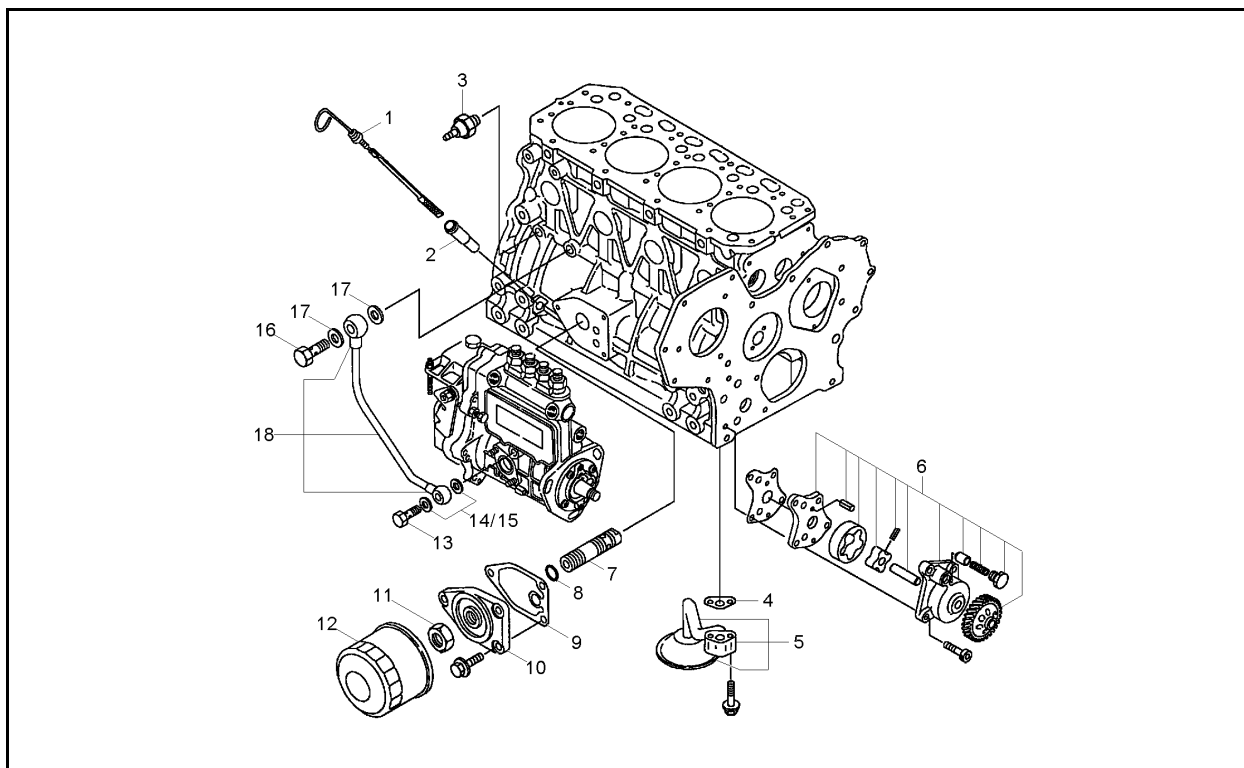
1000146560



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206902	CRANKSHAFT ASY	1	12	177315	LOCK RING	8
2	206903	GEAR	1	13	177258	CONNECTING ROD	4
3	177301	FITTING KEY	1	14	177318	BUSHING	4
4	206904	CYLINDER PIN	1	15	206909	SCREW	8
5	206905	PULLEY	1	16	177319	BEARING	4
6	177355	FLYWHEEL	1	17	177269	CONNECTING ROD BEARING (US=0.25)	4
7	206906	PISTON (4TNE88-NSR/W)	4	18	177324	SEAL	1
8	206907	PISTON (4TNE88-NSR/W OS=0.25)	4	19	177238	SHAFT SEAL	1
9	206908	PISTON (4TNE88-ENSR/W)	4	20	206910	PISTON RING	4
10	206892	PISTON (4TNE88-ENSR/W OS=0.25)	4	21	206911	PISTON RING (OS=0.25)	4
11	177317	PIN	4				

502 - OIL LUBRICATION SYSTEM

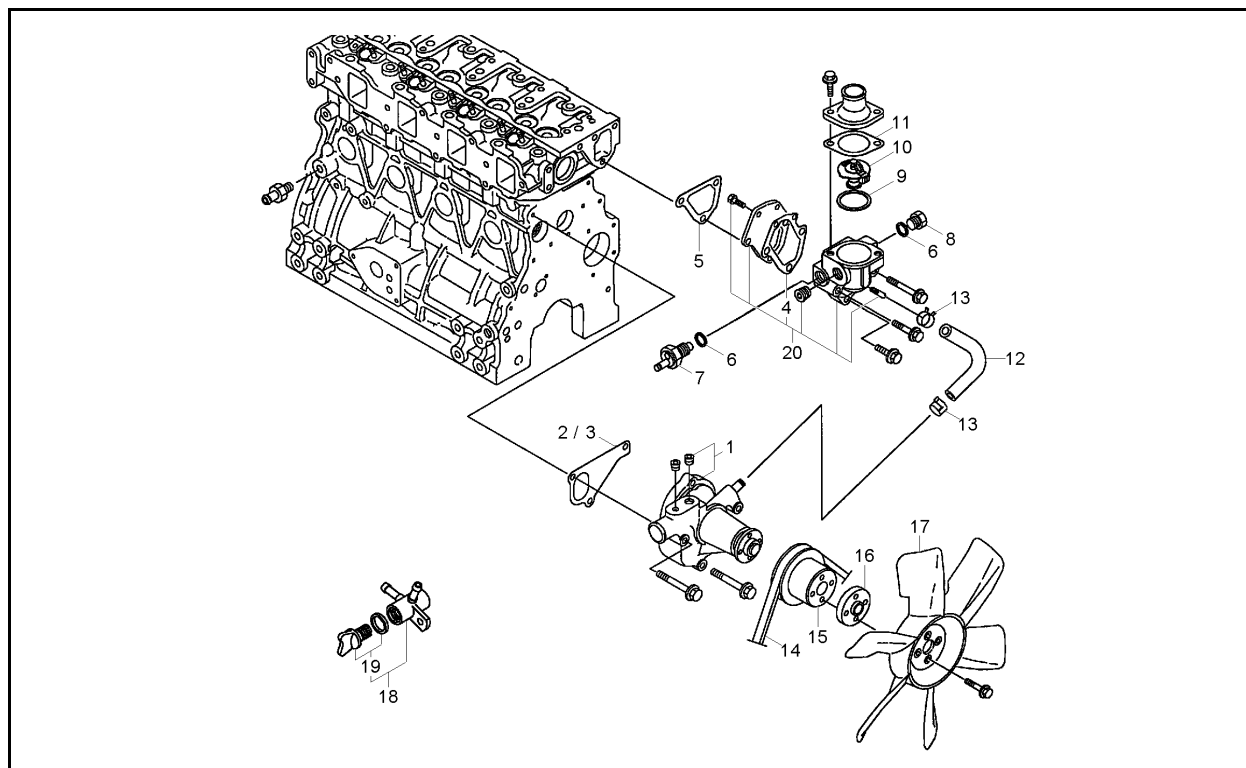
1000152098



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204794	OIL DIPSTICK	1	10	204797	FILTER BRACKET	1
2	177234	OIL DIPSTICK TUBE	1	11	178487	NUT	1
3	425-36085	SENDER/OIL PRESSURE	1	12	137500	ENGINE OIL FILTER	1
4	177251	OIL SUMP GASKET	1	13	178411	SCREW	1
5	177281	OIL SUMP	1	14	177462	SEAL RING (4TNE88-NSR/W)	2
6	204795	LUBRICATION OIL PUMP	1	15	204798	SEAL RING (4TNE88-ENSR/W)	2
7	204767	VALVE	1	16	209922	BANJO BOLT	1
8	177659	O-RING	1	17	164394	SEAL	2
9	177257	FILTER BASE GASKET	1	18	204799	ENGINE OIL PIPE	1

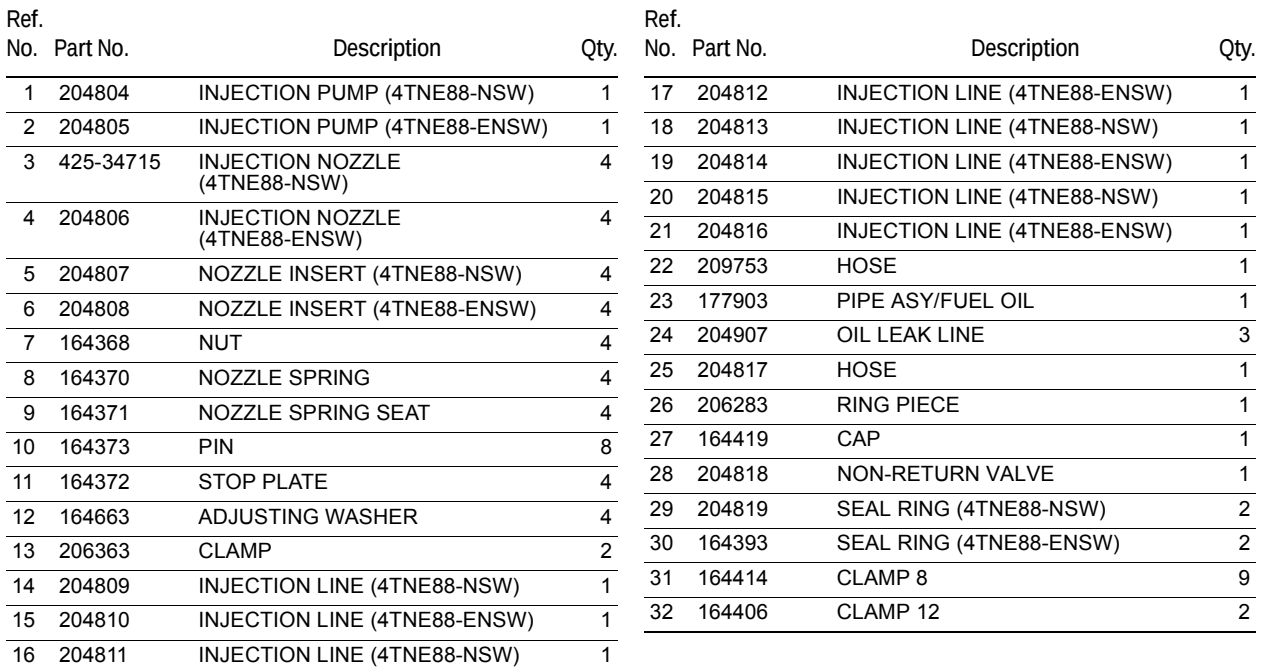
502 - COOLING SYSTEM

1000152155



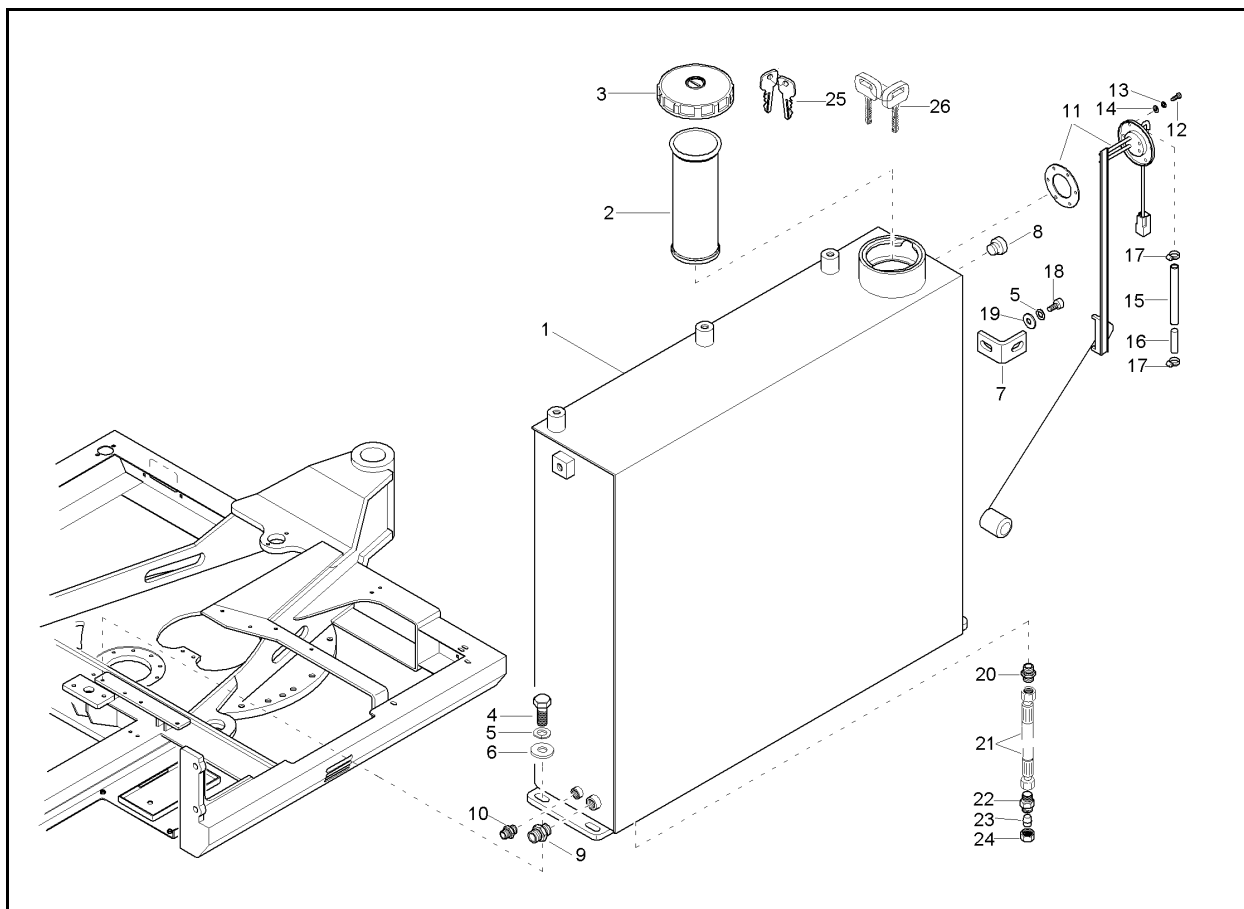
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	179053	WATER PUMP	1	11	425-34704	UPPER THERMOSTAT GASKET	1
2	425-34703	PUMP GASKET (4TNE88-NSR/W)	1	12	204801	COOLANT HOSE	1
3	177273	PUMP GASKET (4TNE88-ENSR/W)	1	13	204802	HOSE CLAMP	2
4	204800	THERMOSTAT GASKET	1	14	177630	V-BELT	1
5	0210111308	THERMOSTAT GASKET	1	15	177248	BELT PULLEY	1
6	160427	SEAL	2	16	177265	FAN SPACER	1
7	425-34683	SWITCH/THERMOSTAT (110°C)	1	17	425-36086	COOLING FAN	1
8	164441	PLUG	1	18	178361	DRAIN COCK COMPLETE	1
9	177237	THERMOSTAT GASKET	1	19	178360	DRAIN COCK	1
10	425-34661	THERMOSTAT	1	20	204803	THERMOSTAT HOUSING	1

1000155193



502 - FUEL TANK

1000116287



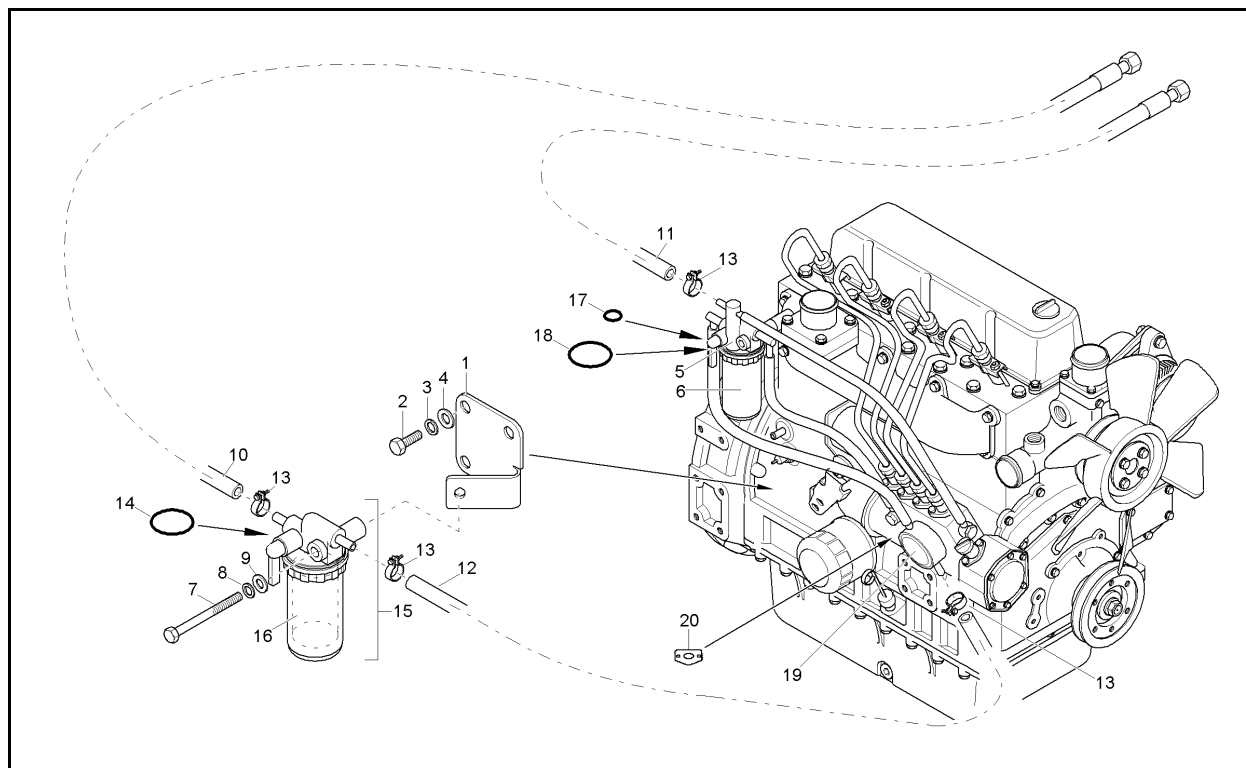
Ref. No.	Part No.	Description	Qty.
1	162680	DIESEL TANK	1
2	161059	FUEL STRAINER	1
3	164714	TANK CAP/PLASTIC W/O KEYS	1
	*	TANK CAP/METAL	1
4	179757	SCREW	4
5	163651	WASHER	6
6	161645	WASHER GR A13 DIN7349	4
7	162690	BRACKET	1
8	161415	PLUG	1
9	161427	SCREW JOINT	1
10	161426	SCREW JOINT	1
11	161104	TRANSMITTER	1
12	162867	SCREW	6
13	161673	LOCKWASHER S4	6

Ref. No.	Part No.	Description	Qty.
14	161658	WASHER GR A4.3 ZO DIN125	6
15	160844	TUBE	1
16	162926	SCREW MOUNT	1
17	162504	HOSE CLAMP	2
18	651479	SHCS M12-1.75 X 25 C8.8 ZY	2
19	161642	WASHER GR A13	2
20	161429	SCREW JOINT 12L	1
21	161278	HP HOSE	1
22	161425	SCREW JOINT	1
23	161418	PLUG	1
24	7788010663	UNION NUT AI 12 VERZ	1
25	161065	KEYS/METAL CAP	2
26	160713	KEYS/PLASTIC CAP	2

* Replaced by P/N 164714 for service.

502 - FUEL SYSTEM

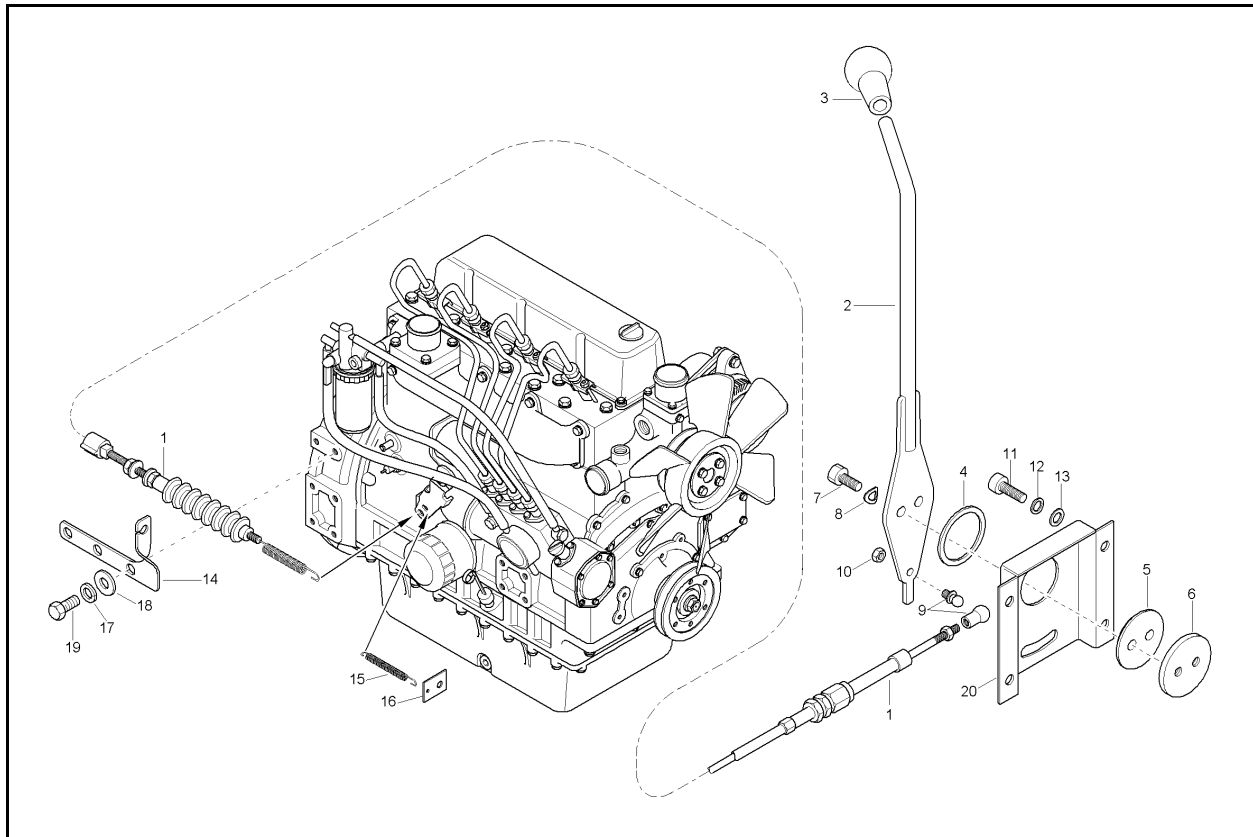
1000116293



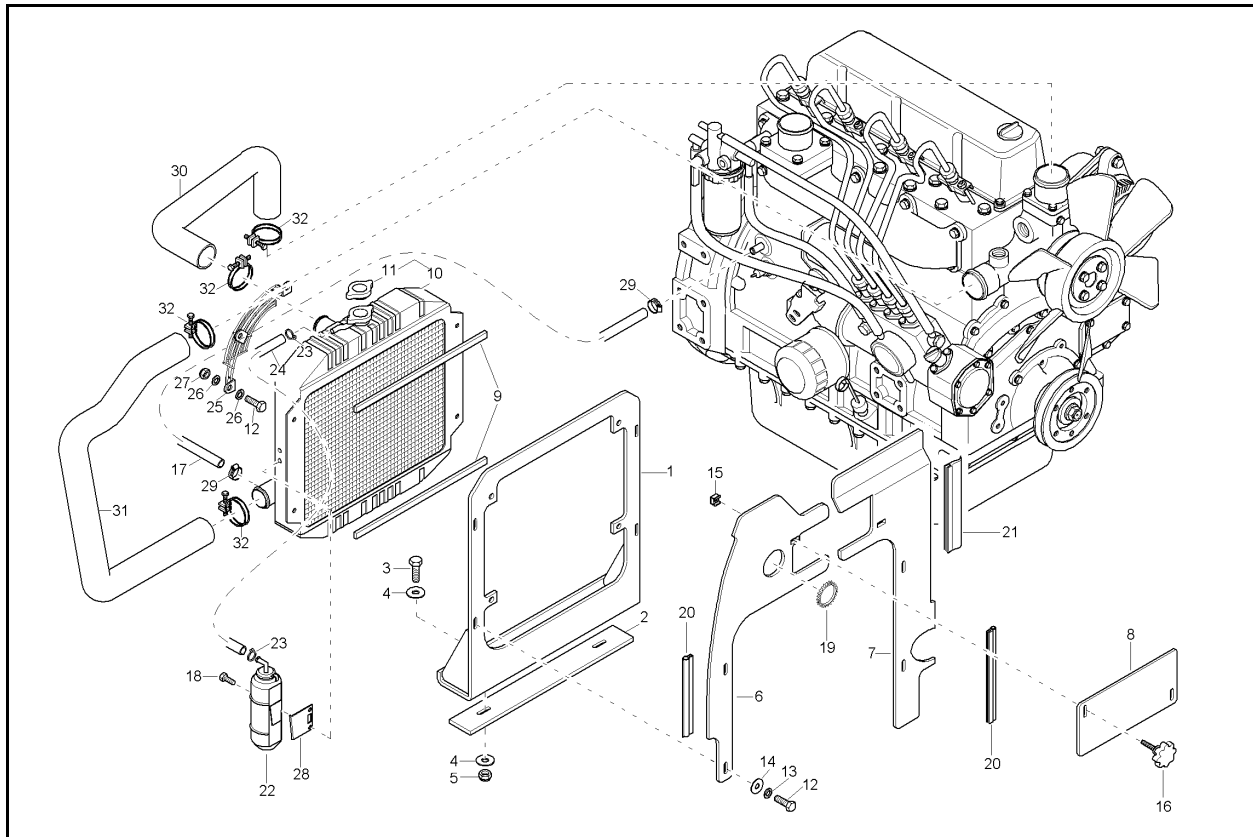
Ref. No.	Part No.	Description	Qty.
1	162228	BRACKET	1
2	656006	CS M10-1.5 X 20 C8.8 ZY	4
3	161669	LOCKWASHER S10	4
4	161640	WASHER GR A10.5	4
5	162233	FUEL FILTER COMPLETE	1
6	425-34636	FUEL FILTER ELEMENT	1
7	651438	HB M8-1.25 X 70 C8.8 ZY	1
8	163670	WASHER	1
9	163634	WASHER	1
10	160844	TUBE	1

Ref. No.	Part No.	Description	Qty.
11	160844	TUBE	1
12	207266	BRAIDED HOSE GEN NW6 (1.0M)	1
13	162504	HOSE CLAMP	4
14	206912	O-RING	1
15	425-35973	WATER SEPARATOR COMPLETE	1
16	425-36091	WATER TRAP SCREEN	1
17	177659	O-RING	1
18	177664	FILTER HOUSING GASKET	1
19	425-34713	PUMP ASY/FUEL FEED	1
20	425-34714	PACKING	1

502 - THROTTLE ASSEMBLY
1000116294



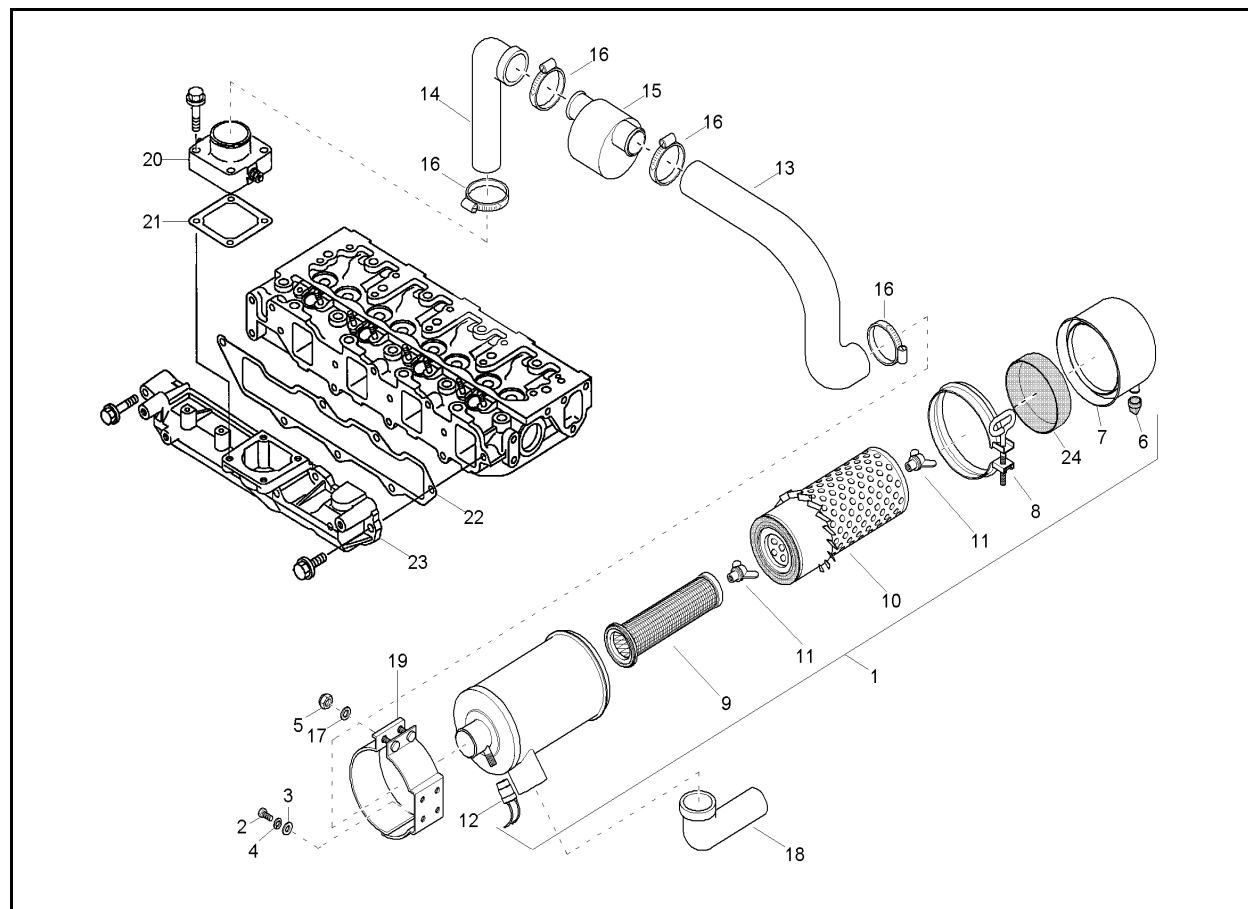
Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
1	160755	CABLE	1	11	651504	SHCS M5-0.8 X 16 C8.8 ZY	4
2	162747	LEVER	1	12	163670	WASHER	4
3	162398	KNOB	1	13	161668	WASHER GR A8.4 ZO DIN134	4
4	162351	BRAKE DISC	1	14	160973	BRACKET	1
5	162349	WASHER	1	15	160657	SPRING	1
6	162350	WASHER	1	16	162355	BRACKET	1
7	656105	CS M8-1.25 X 25 C8.8 ZY	2	17	163670	WASHER	2
8	162487	WASHER	2	18	163634	WASHER	2
9	162505	BALL AND SOCKET	1	19	177648	HEX SCREW	2
10	651457	LN INS M6-1 C8 ZY	1	20	162808	BRACKET	1



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162381	BRACKET	1	17	207173	BRAIDED HOSE GEN NW8 (1.0M)	1
2	162382	BRACKET	1	18	161630	SCREW HEX HD TAP B5.5 X 19	2
3	164897	SCREW	2	19	204742	RUBBER PROFILE (0.3M)	1
4	161643	WASHER/ROUND HI-TENS	4	20	207095	HOSE PROFILE (2.0M)	1
5	179793	NUT	2	21	207206	RUBBER EXTRUSION (1.0M)	1
6	162697	AIR GUIDING PLATE	1	22	177415	EXPANSION CONTAINER	1
7	162698	AIR GUIDING PLATE	1	23	162504	HOSE CLAMP	2
8	162699	AIR GUIDING PLATE	1	24	207262	BRAIDED HOSE GEN NW6 (0.5M)	1
9	207157	SEALING TAPE (2.04M)	1	25	425-36092	FAN PROTECTOR	1
10	425-36093	RADIATOR	1	26	163634	WASHER	12
11	160424	RADIATOR CAP	1	27	651458	LN INS M8-1.25 C8 ZY	6
12	177648	HEX SCREW	7	28	425-36152	SUB-TANK BRACKET	1
13	163670	WASHER	4	29	162501	COLLAR	2
14	7462680011	WASHER 8.4 ST A2C	4	30	425-34687	RADIATOR HOSE/UPPER	1
15	161615	CAGE NUT M8	2	31	425-34686	RADIATOR HOSE/LOWER	1
16	162821	SCREW	2	32	425-34853	CLAMP 38	4

502 - AIR INTAKE SYSTEM

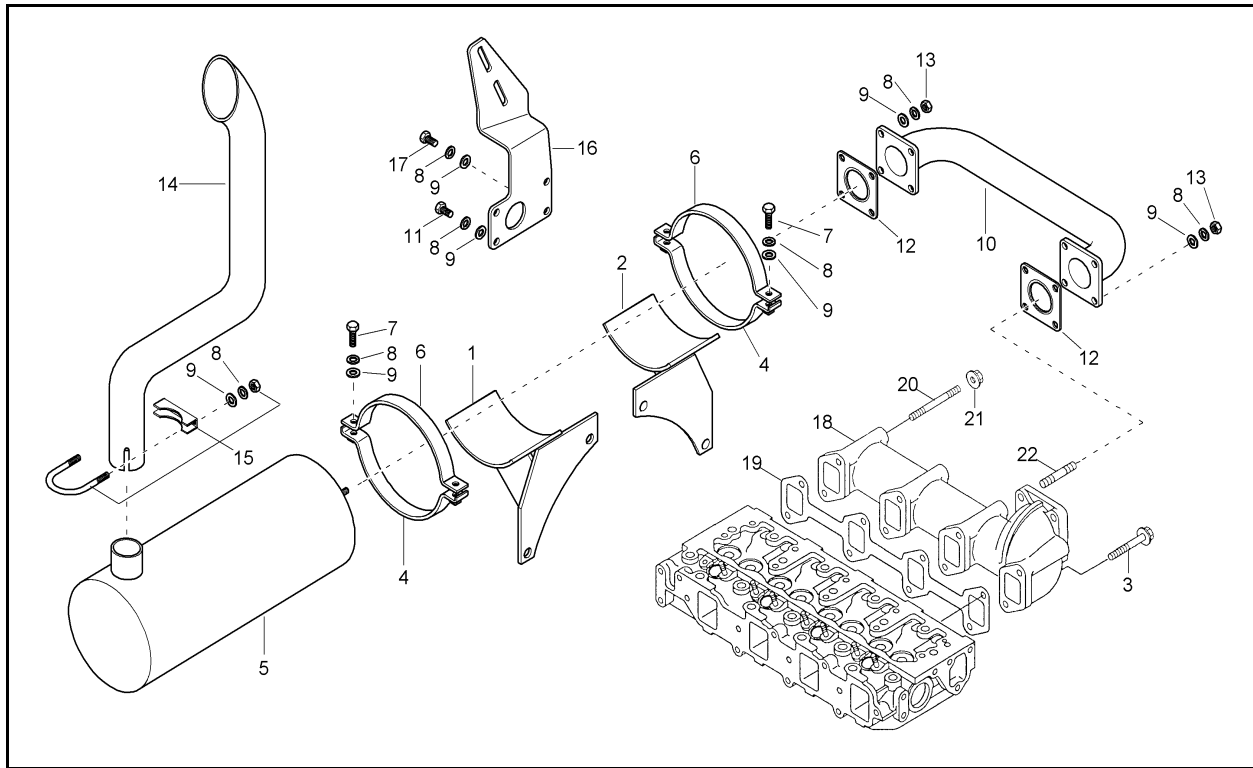
1000116299



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162232	AIR FILTER ASY	1	13	425-36099	AIR INLET HOSE	1
2	656105	CS M8-1.25 X 25 C8.8 ZY	4	14	425-36100	AIR INLET HOSE	1
3	163634	WASHER	4	15	425-36101	INLET MUFFLER	1
4	163670	WASHER	4	16	162611	HOSE CLAMP	4
5	651457	LN INS M6-1 C8 ZY	2	17	161660	WASHER GR A6.4 ZO DIN125	2
6	204820	DUST VALVE	1	18	165820	SUCTION HOSE	1
7	160851	DUST CAP	1	19	425-36168	COLLAR	1
8	425-36094	CLAMP ASY	1	20	425-35492	AIR HEATER	1
9	425-36095	AIR FILTER ELEMENT/INNER	1	21	177268	GASKET	1
10	425-36097	AIR FILTER ELEMENT/OUTER	1	22	177286	GASKET	1
11	425-36096	AIR FILTER NUT	2	23	204821	INTAKE MANIFOLD	1
12	164337	DIRT INDICATOR	1	24	204822	BAFFLE	1

502 - EXHAUST SYSTEM

1000116301

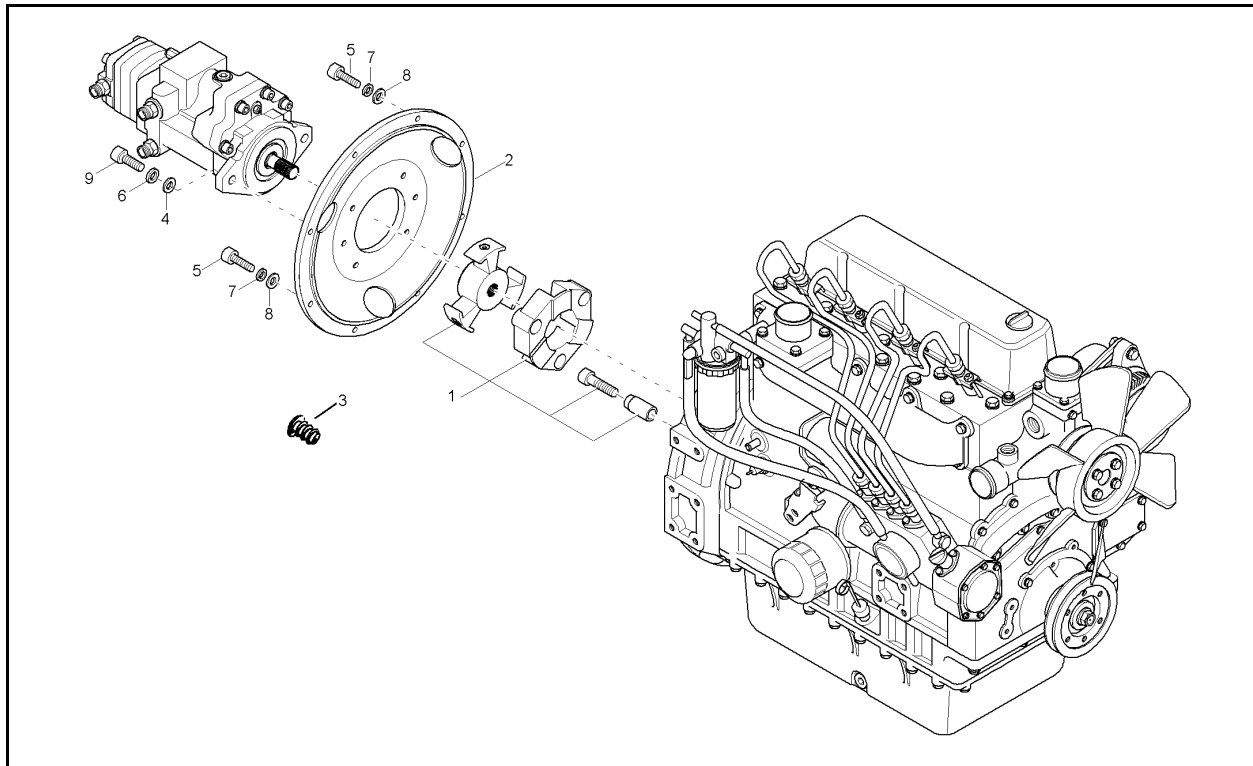


Ref. No.	Part No.	Description	Qty.
1	425-36105	MUFFLER SUPPORT-RT	1
2	425-36106	MUFFLER SUPPORT-LT	1
3	177272	SCREW	6
4	179025	COLLAR	2
5	160997	MUFFLER	1
6	162358	COLLAR	2
7	656094	CS M8-1.25 X 30 C8.8 ZY	4
8	163670	WASHER	18
9	163634	WASHER	18
10	425-36107	EXHAUST PIPE/MANIFOLD	1
11	177648	HEX SCREW	6

Ref. No.	Part No.	Description	Qty.
12	425-34652	GASKET	2
13	656048	HN M8-1.25 C8 ZY	8
14	160868	EXHAUST PIPE/MUFFLER	1
15	160848	CLAMP ASY	1
16	162696	EXHAUST BRACKET	1
17	656105	CS M8-1.25 X 25 C8.8 ZY	2
18	204823	EXHAUST MANIFOLD	1
19	209475	GASKET/EXHAUST MANIFOLD	1
20	204824	STUD BOLT	2
21	164345	NUT	2
22	177401	STUD BOLT	4

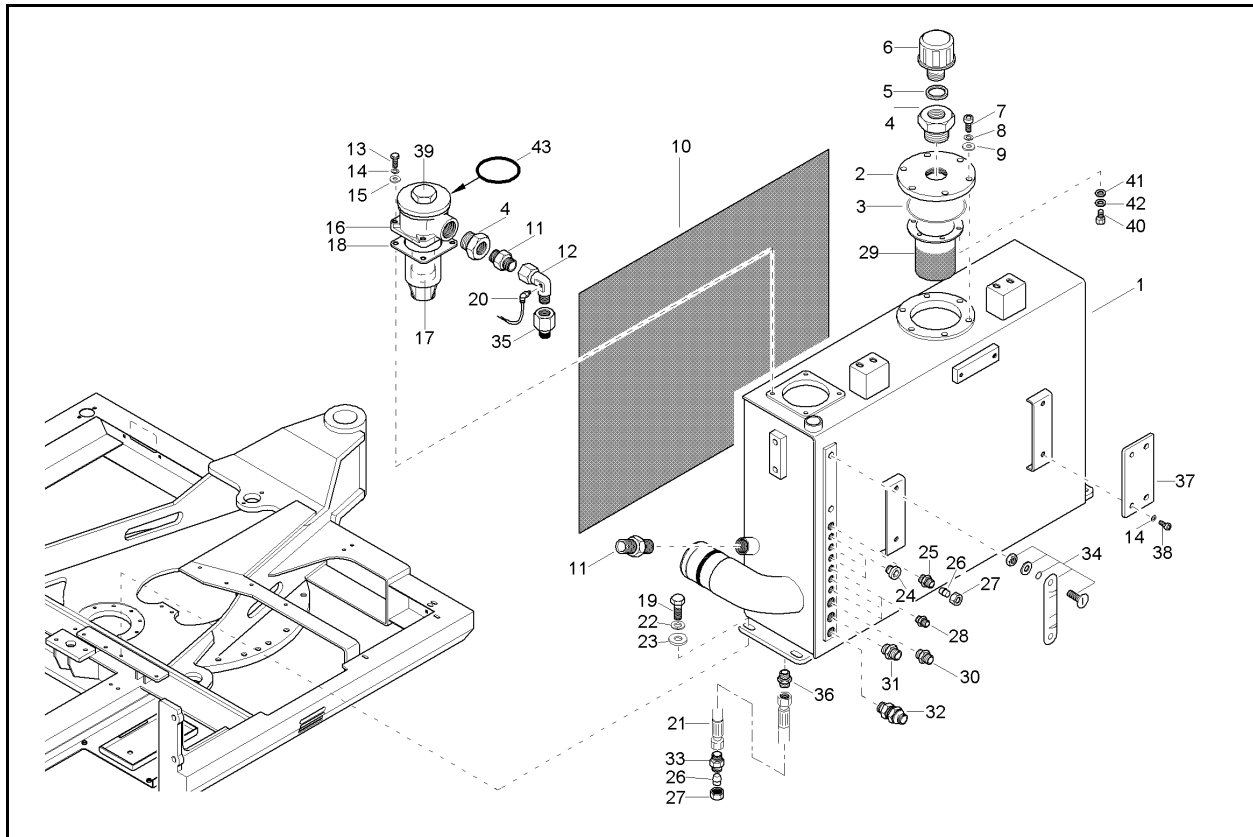
502 - HYDRAULIC PUMP DRIVE

1000116302



Ref. No.	Part No.	Description	Qty.
1	160863	COUPLER COMPLETE	1
2	161954	PUMP BRACKET	1
3	164928	PLUG	1
4	161642	WASHER GR A13	2
5	651475	SHCS HS M10-1.25 X 30 F8.8 ZY	8

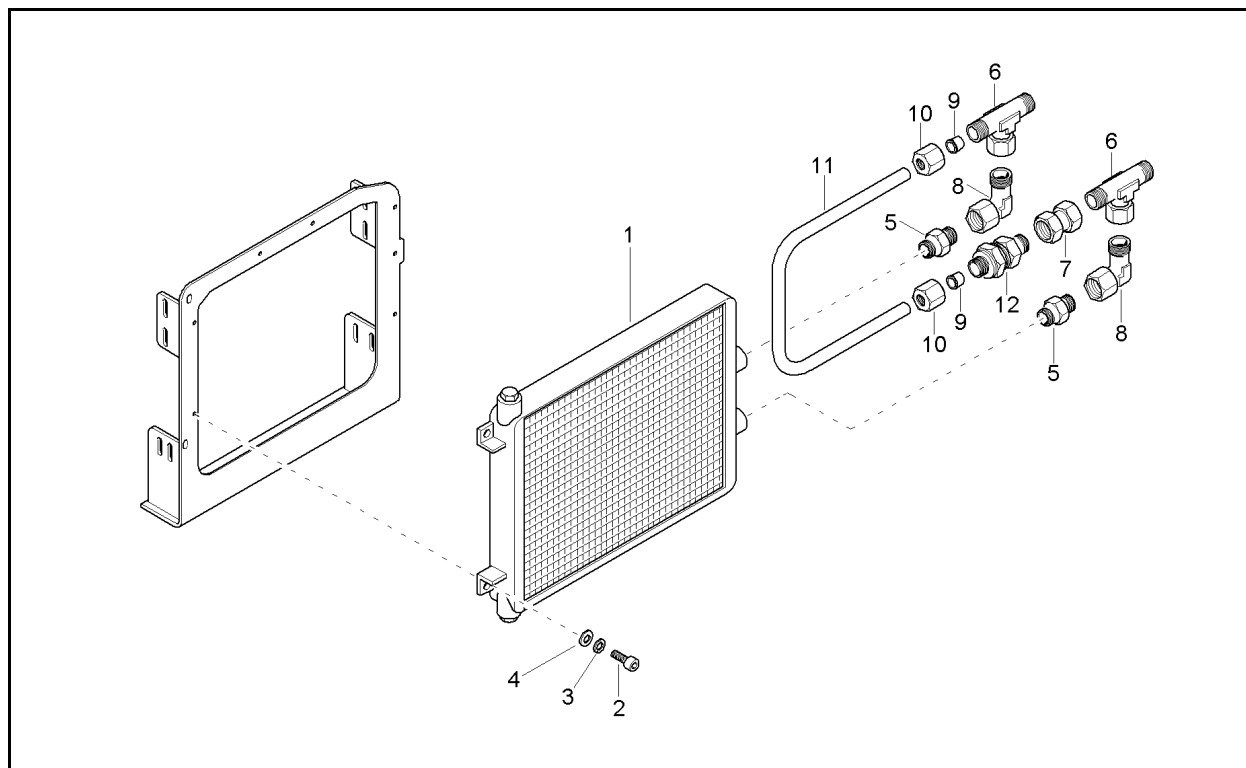
Ref. No.	Part No.	Description	Qty.
6	163651	WASHER	2
7	161669	LOCKWASHER S10	8
8	161640	WASHER GR A10.5	8
9	651481	SHCS M12-1.75 X 30 C8.8 ZY	2



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162682	HYDRAULIC OIL TANK	1	23	161644	WASHER GR A13 DIN134	4
2	160816	COVER	1	24	161414	SCREW	3
3	161573	O-RING	1	25	161436	SCREW JOINT	1
4	161485	REDUCTION JOINT	2	26	161418	PLUG	2
5	161568	SEAL	1	27	7788010663	UNION NUT AI 12VERZ	2
6	160949	FILTER	1	28	161426	SCREW JOINT	5
7	651515	SHCS M8-1.25 X 20 C8.8 ZY	6	29	161397	HYDRAULIC OIL STRAINER	1
8	163670	WASHER	6	30	161427	SCREW JOINT	1
9	163634	WASHER	6	31	161430	SCREW JOINT	1
10	162786	ISOLATION MAT	1	32	161511	NON-RETURN VALVE	1
11	161433	SCREW JOINT	2	33	161425	SCREW JOINT	1
12	161475	ANGLE	1	34	160948	OIL LEVEL GLASS	1
13	162672	SCREW	4	35	161494	REDUCTION JOINT	1
14	161669	LOCKWASHER S10	4	36	161429	SCREW JOINT 12L	1
15	161640	WASHER GR A10.5	4	37	162692	PLATE	2
16	160706	HYDRAULIC OIL FILTER COMPLETE	1	38	162041	SCREW	4
17	160707	HYDRAULIC FILTER ELEMENT	1	39	160708	COVER	1
18	160709	SEAL	1	40	163343	SCREW	6
19	179757	SCREW	4	41	161658	WASHER GR A4.3 ZO DIN125	6
20	163001	PRESSURE SWITCH	1	42	161673	LOCKWASHER S4	6
21	161278	HP HOSE	1	43	204825	O-RING	1
22	163651	WASHER	4				

502 - OIL COOLER

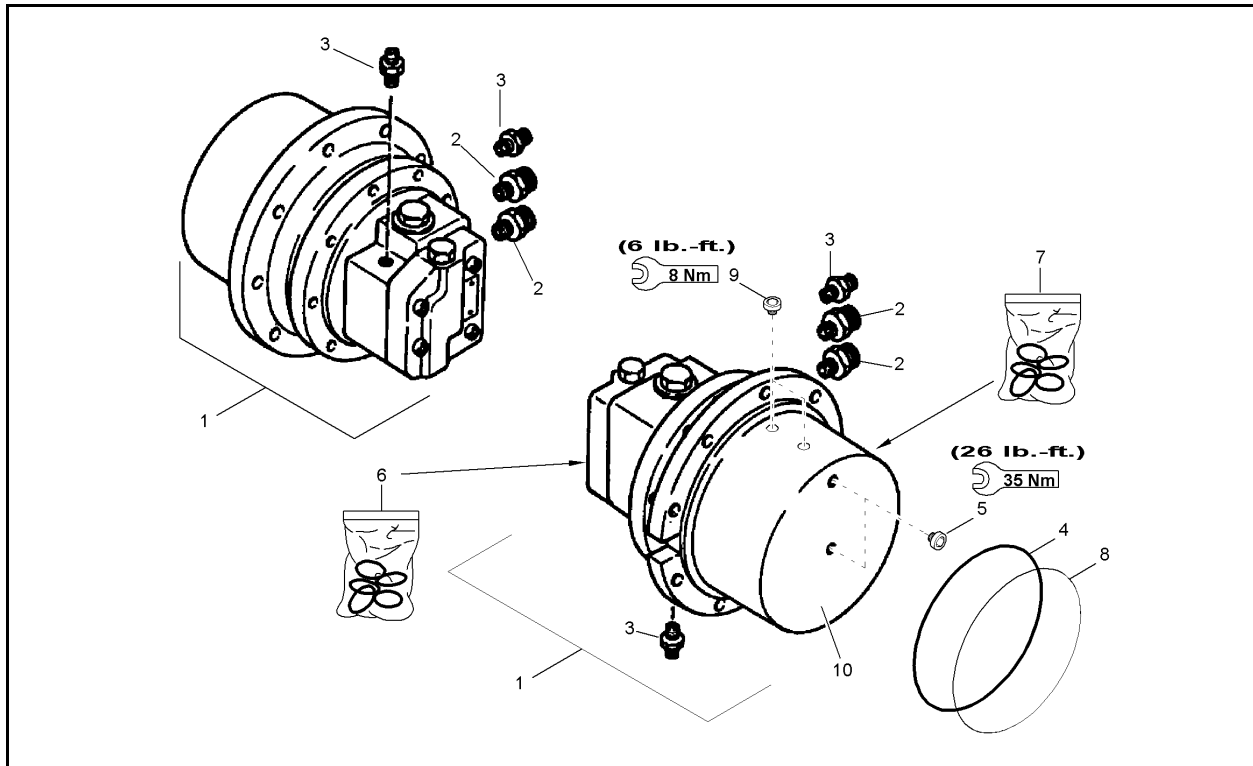
1000116307



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160969	HYDRAULIC OIL COOLER	1	7	161495	SCREW JOINT	1
2	162859	SCREW	4	8	161456	ANGLE	2
3	163670	WASHER	4	9	161487	WASHER	2
4	163634	WASHER	4	10	7788010666	UNION NUT AI 22VERZ	2
5	161464	SCREW JOINT	2	11	160869	TUBE	1
6	161502	TEE	2	12	179848	NON-RETURN VALVE	1

502 - DRIVE MOTOR

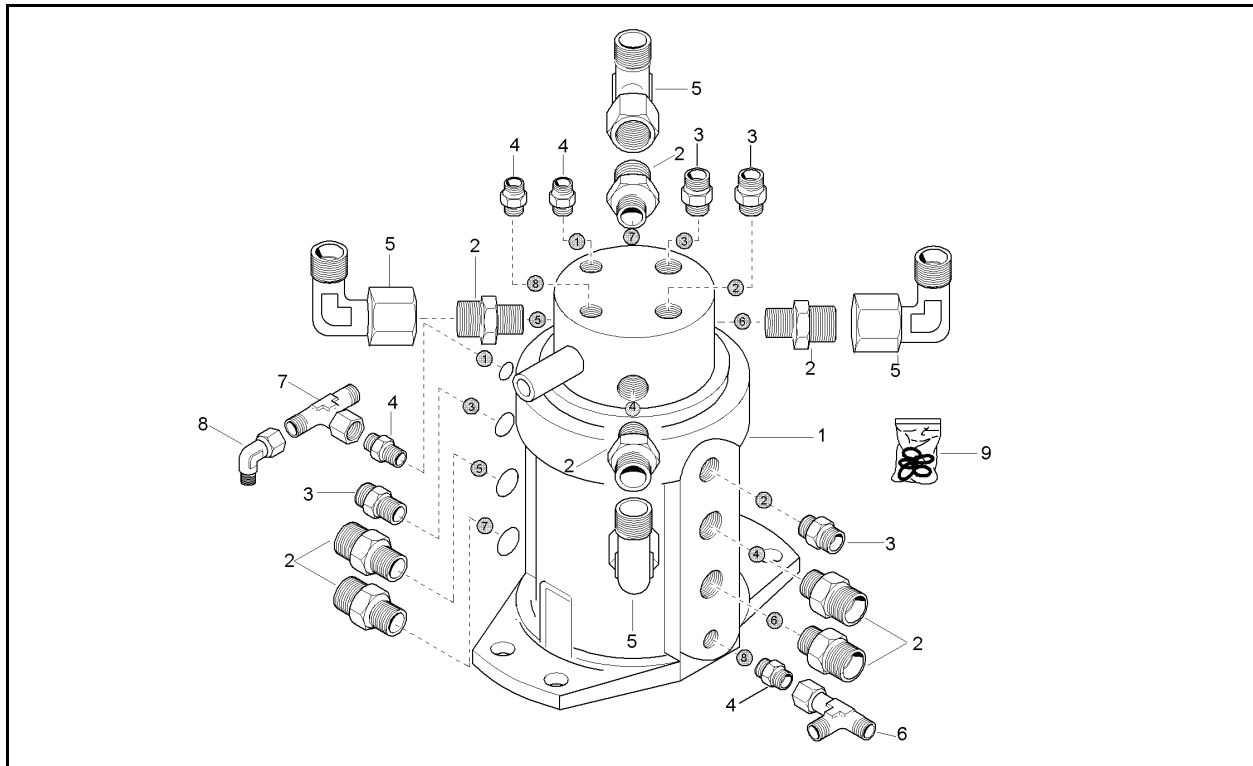
1000116308



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161029	DRIVE MOTOR COMPLETE	2	6	160914	SEAL KIT/HYDRAULIC MOTOR	2
2	179843	SCREW JOINT	4	7	160913	SEAL KIT/TRANSMISSION	2
3	165970	SCREW JOINT	4	8	207527	LOCK RING	2
4	207526	O-RING	2	9	204826	LOCK SCREW	4
5	178175	SCREW	2	10	204827	COVER	2

502 - SWIVEL JOINT

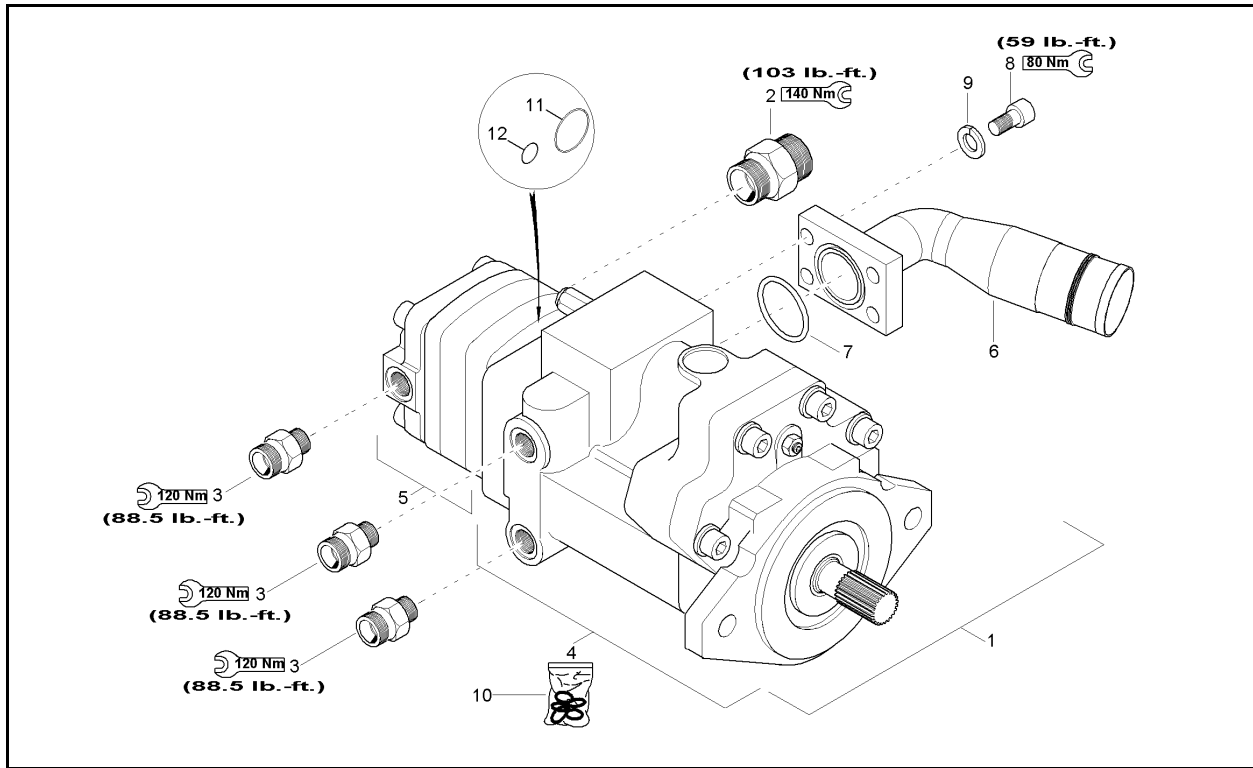
1000116309



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162731	SWIVEL JOINT	1	6	161448	TEE	1
2	161432	SCREW JOINT	8	7	161450	TEE	1
3	161429	SCREW JOINT 12L	4	8	161443	90° FITTING	1
4	161426	SCREW JOINT	4	9	178131	SEAL KIT COMPLETE/SWIVEL JOINT	1
5	161447	ANGLE	4				

502 - HYDRAULIC PUMP EXTERNAL PARTS

1000116311

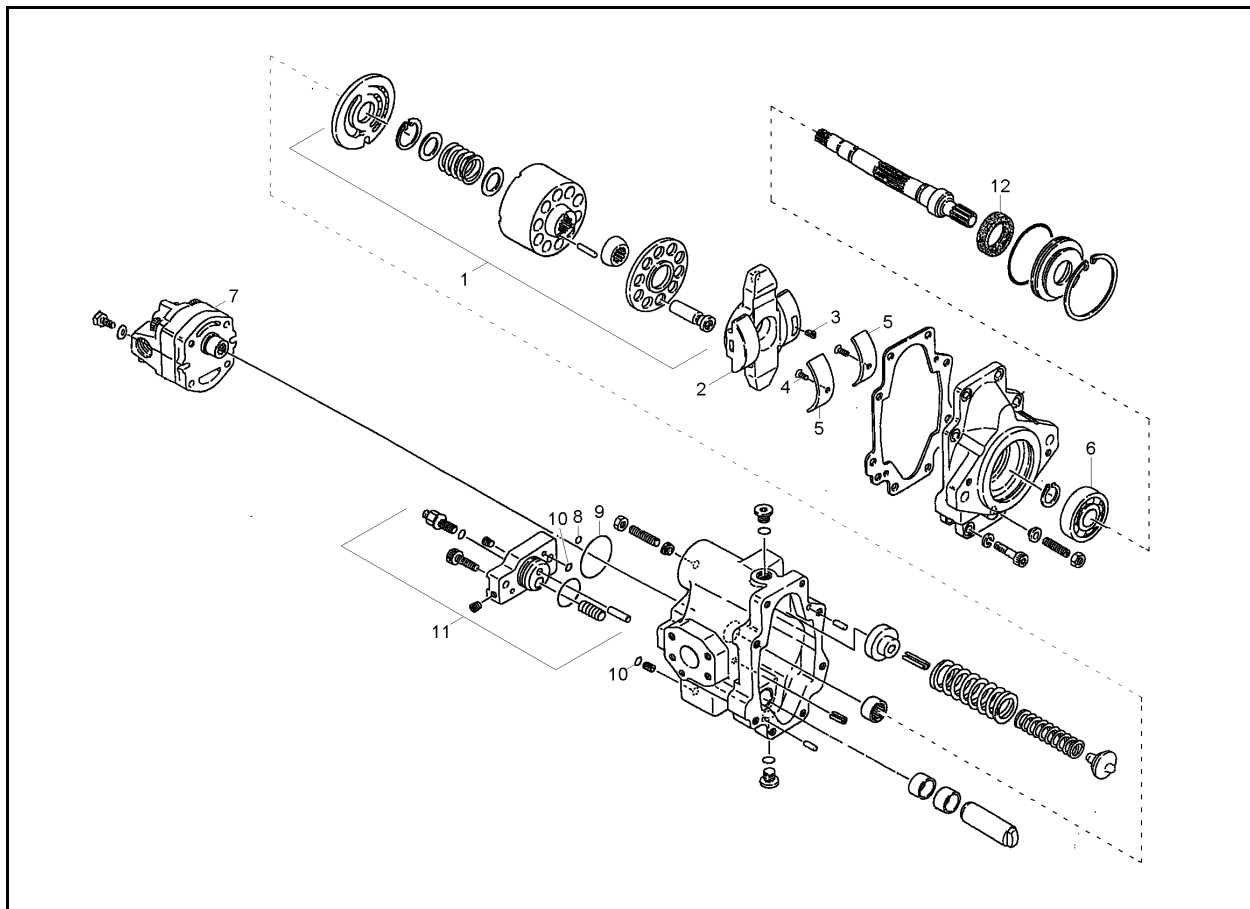


Ref. No.	Part No.	Description	Qty.
1	160871	HYDRAULIC PUMP COMPLETE	1
2	179823	SCREW JOINT	1
3	179843	SCREW JOINT	3
4	162706	HYDRAULIC PUMP	1
5	179110	GEAR PUMP	1
6	162703	SUCTION FLANGE	1

Ref. No.	Part No.	Description	Qty.
7	161565	O-RING	1
8	651475	SHCS M10-1.25 X 30 F8.8 ZY	4
9	161669	LOCKWASHER S10	4
10	162590	SEAL KIT/HYDRAULIC PUMP	1
11	179135	O-RING	1
12	179872	O-RING	1

502 - HYDRAULIC PUMP INTERNAL PARTS

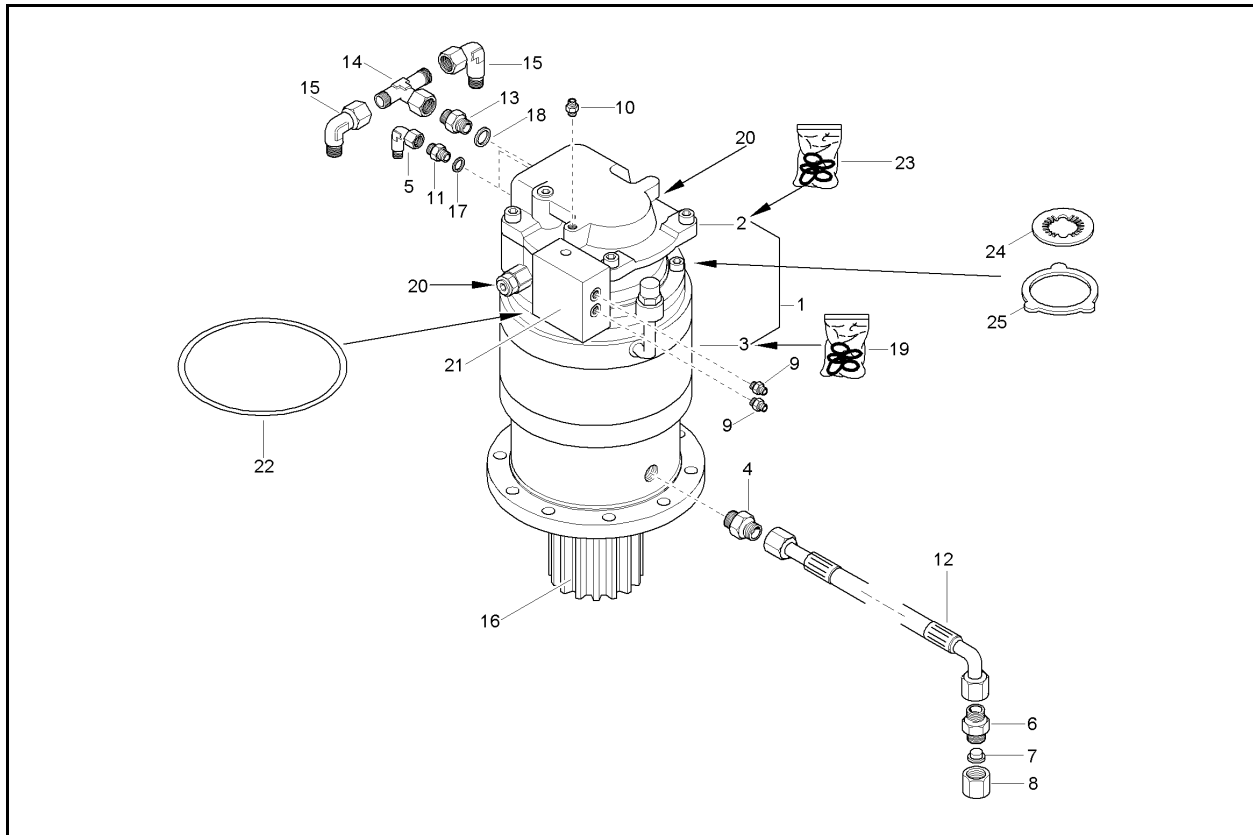
1000174771



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204750	DRIVE UNIT	1	7	179110	GEAR PUMP	1
2	204970	SWASH PLATE	1	8	205701	O-RING	1
3	205475	SCREW	1	9	179135	O-RING	1
4	205471	SCREW	2	10	205701	O-RING	3
5	204950	BEARING	2	11	204944	CONTROL HOUSING	1
6	204951	BEARING	1	12	205702	ROTARY SHAFT SEAL	1

502 - SWIVEL DRIVE

1000116312

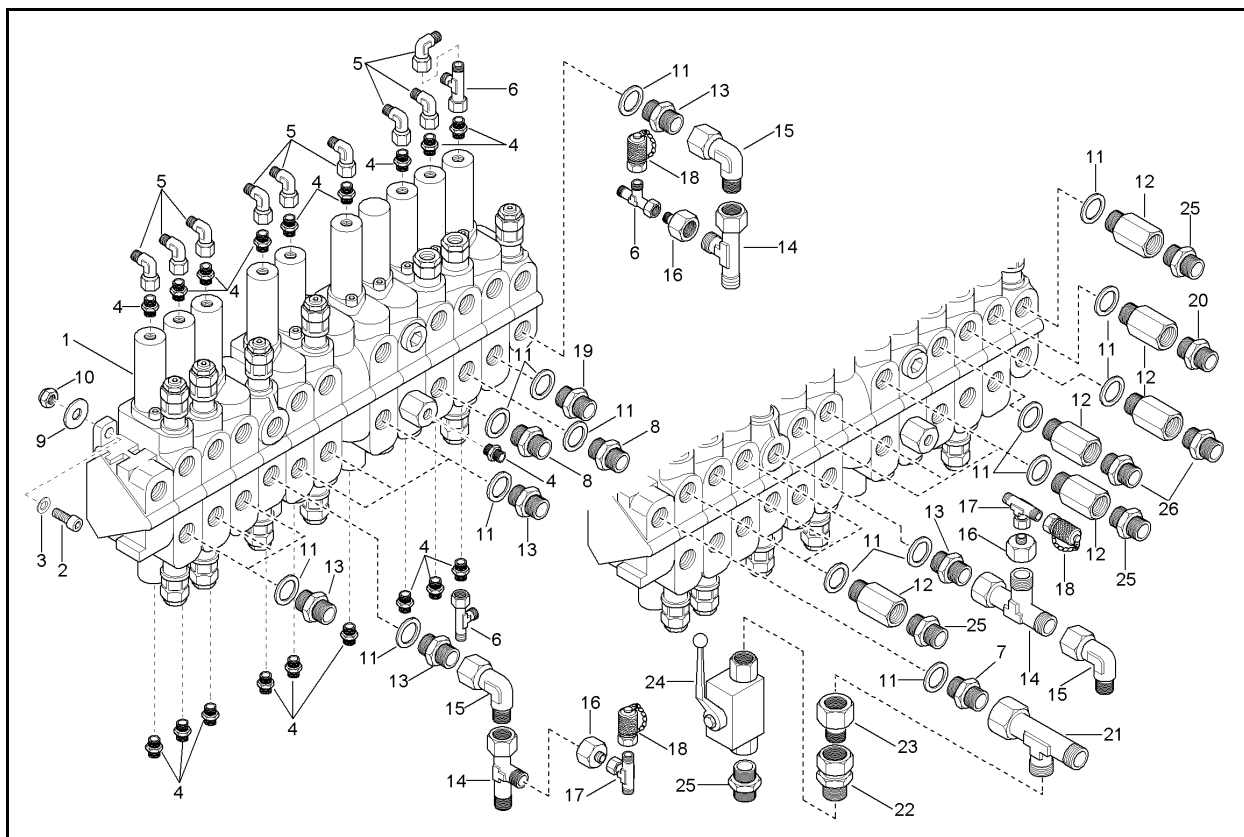


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160873	KIT/TURNING GEAR	1	14	161451	TEE	1
2	162705	HYDRAULIC MOTOR	1	15	161447	ANGLE	2
3	*	TURNING GEAR	1	16	160874	PINION/SWIVEL DRIVE	1
4	161429	SCREW JOINT 12L	1	17	161590	O-RING	2
5	161446	ANGLE	2	18	161585	O-RING	1
6	161425	SCREW JOINT	1	19	160879	GASKET/SWIVEL DRIVE GEAR	1
7	161418	PLUG	1	20	160875	BRAKE VALVE MANDREL	2
8	7788010663	UNION NUT A1 12VERZ	1	21	160876	BRAKE VALVE	1
9	161426	SCREW JOINT	2	22	160877	O-RING	1
10	161459	SCREW JOINT	1	23	160880	SEAL KIT	1
11	161509	SCREW JOINT	2	24	204828	BRAKE DISC	2
12	161310	HP HOSE	1	25	204829	BRAKE DISC	2
13	161498	SCREW JOINT	1				

* Replaced by P/N 160873 for service.

502 - VALVE BLOCK 1

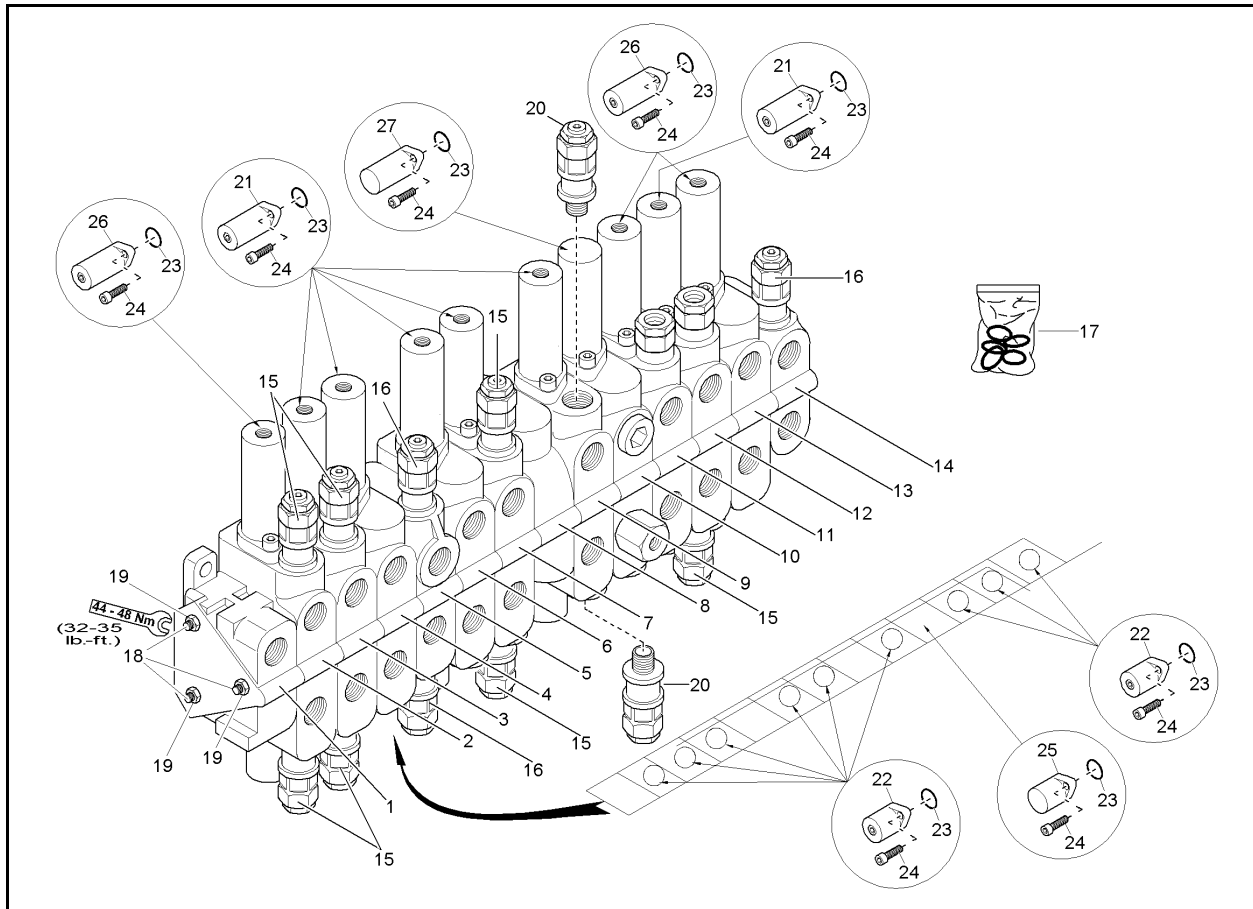
1000116314



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160870	CONTROL VALVE	1	14	161449	ELBOW	3
2	651473	SHCS M10-1.25 X 25 F8.8 ZY	3	15	161447	ANGLE	3
3	161669	LOCKWASHER S10	3	16	161460	REDUCTION JOINT	3
4	164945	SCREW JOINT	19	17	161450	TEE	2
5	161443	90° FITTING	9	18	0003638466	TEST PORT	3
6	161448	TEE	3	19	161508	SCREW JOINT	1
7	161464	SCREW JOINT	1	20	161431	SCREW JOINT	1
8	161507	SCREW JOINT	2	21	161503	ELBOW	1
9	178967	CORK WASHER	3	22	161452	SCREW JOINT	1
10	651448	LN INS M10-1.5 C8 ZY	3	23	161492	REDUCTION JOINT	1
11	161585	O-RING	23	24	206084	BALL VALVE	1
12	162386	CONNECTOR	11	25	161432	SCREW JOINT	8
13	161498	SCREW JOINT	24	26	161430	SCREW JOINT	2

502 - VALVE BLOCK 2

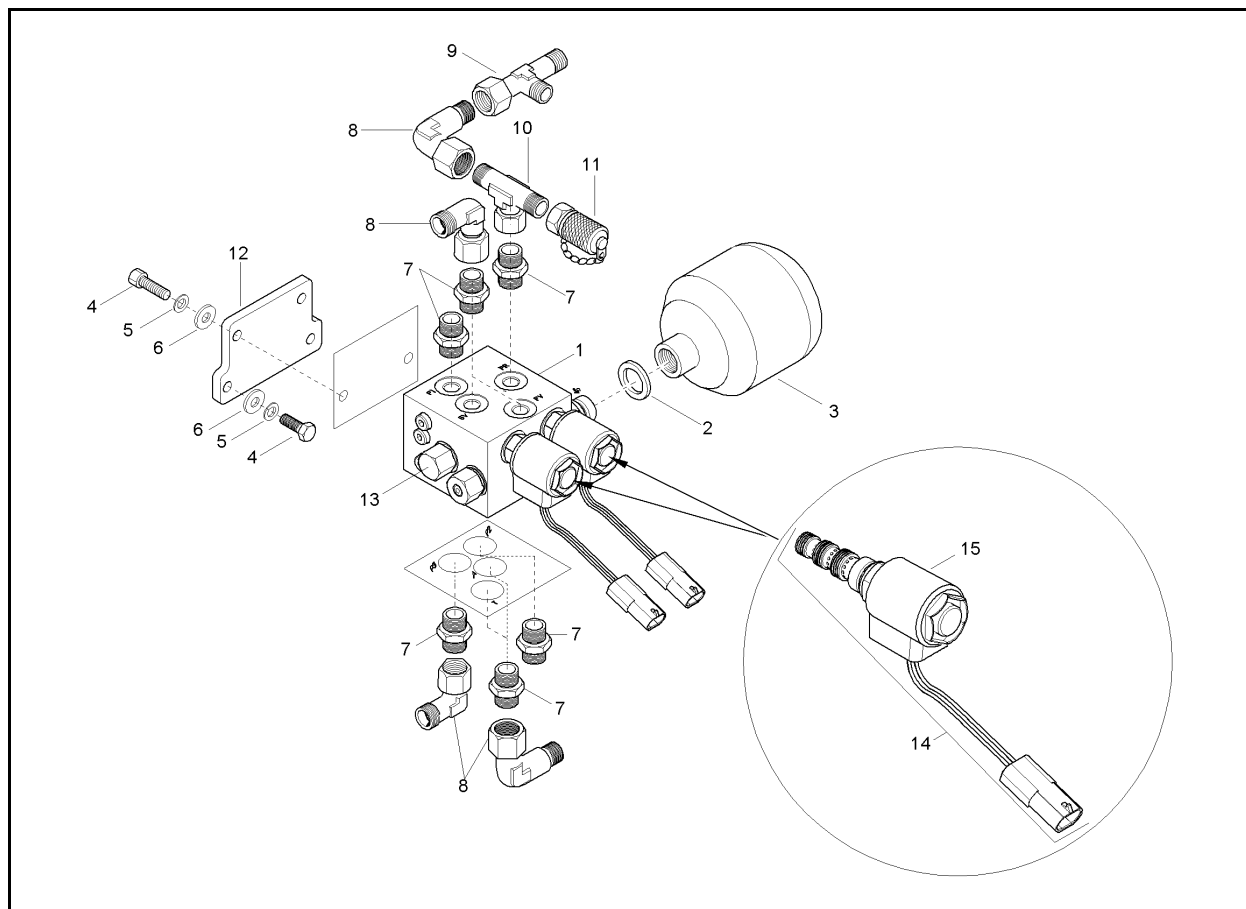
1000116316



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161031	SECTION	1	15	161360	MANDREL	7
2	161032	BUCKET SECTION	1	16	161359	PRESSURE RELIEF VALVE	3
3	161046	BOOM SECTION	1	17	160425	SEAL KIT	1
4	161034	DRIVE RT SECTION	1	18	204830	TIE ROD	3
5	161035	SECTION	1	19	204743	NUT	6
6	161036	DRIVE LT SECTION	1	20	161360	MANDREL (OPTION)	2
7	161038	BUCKET STICK SECTION	1	21	204744	VALVE CAP	6
8	161039	ADJUSTING SECTION	1	22	204745	VALVE CAP	9
9	161040	ADDITIONAL HYDRAULICS SECTION	1	23	178093	O-RING	20
10	161041	DRIVE STRAIGHT SECTION	1	24	178092	SCREW	40
11	161042	SLEW SECTION	1	25	178096	VALVE CAP	1
12	161043	DOZER BLADE SECTION	1	26	204746	VALVE CAP	3
13	161044	TURN SECTION	1	27	204747	VALVE CAP	1
14	161045	IN SECTION	1				

502 - PILOT OIL SUPPLY UNIT

1000116318



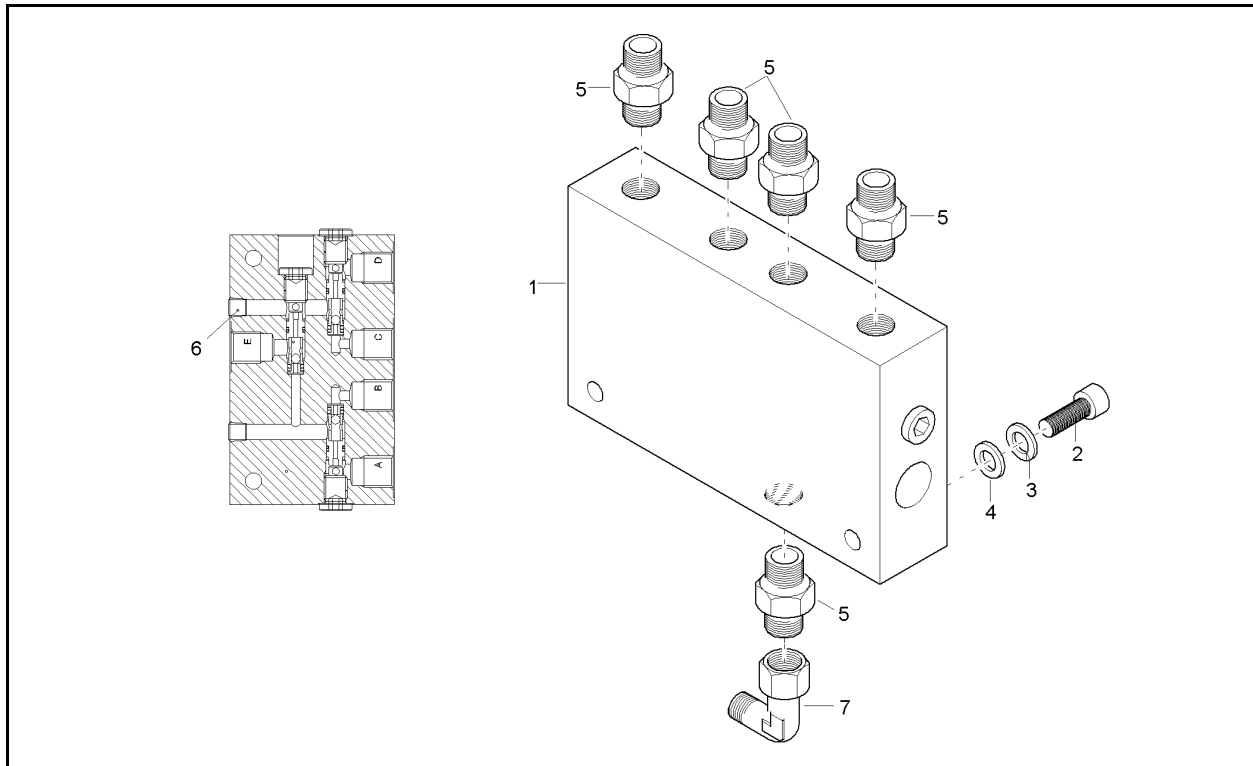
Ref. No.	Part No.	Description	Qty.
1	*	PILOT OIL SUPPLY UNIT	1
2	161567	SEAL	1
3	160437	ACCUMULATOR	1
4	651515	SHCS M8-1.25 X 20 C8.8 ZY	4
5	163670	WASHER	4
6	7462680011	WASHER 8.4 ST A2C	4
7	161426	SCREW JOINT	8
8	161443	90° FITTING	6

Ref. No.	Part No.	Description	Qty.
9	161448	TEE	1
10	161450	TEE	1
11	0003638466	TEST PORT	1
12	162790	PLATE	1
13	160572	PLUG	1
14	160571	SOLENOID SWITCH	1
15	177412	SOLENOID PILOT VALVE	2

* Replaced by P/N 165045 for service.

502 - VALVE BLOCK

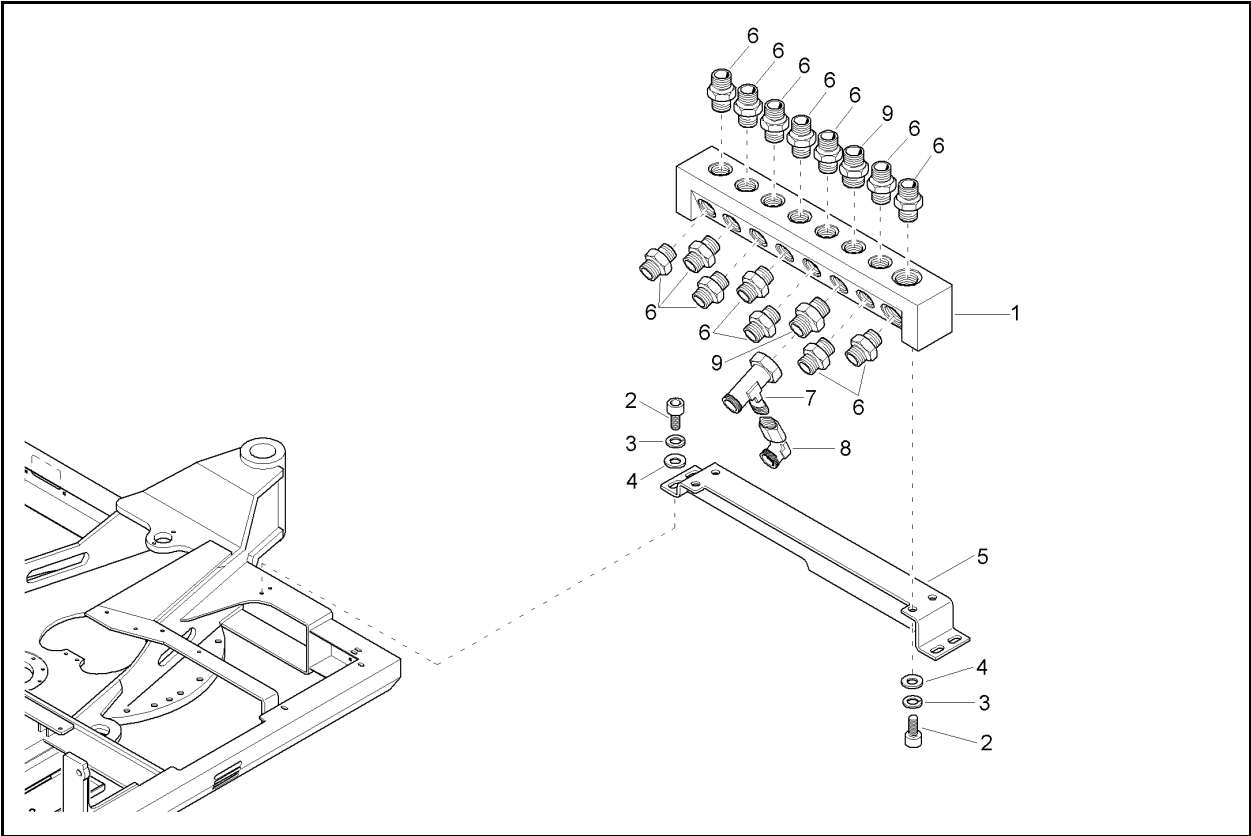
1000116858



Ref. No.	Part No.	Description	Qty.
1	160764	CONTROL VALVE	1
2	179766	SCREW	2
3	161674	LOCKWASHER S16	2
4	162925	WASHER	2

Ref. No.	Part No.	Description	Qty.
5	161426	SCREW JOINT	5
6	162248	PLUG	2
7	161443	90° FITTING	1

502 - MANIFOLD BLOCK
1000116331

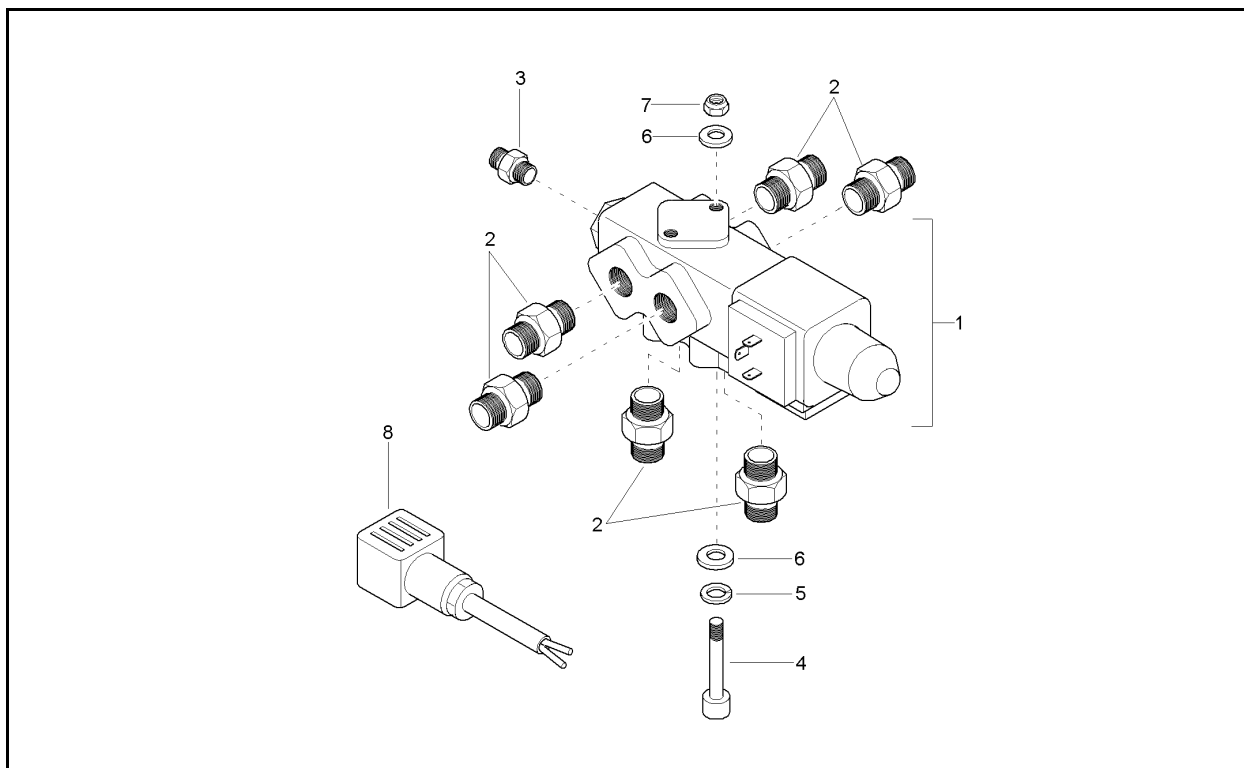


Ref. No.	Part No.	Description	Qty.
1	162730	DISTRIBUTION BLOCK	1
2	651473	SHCS M10-1.25 X 25 F8.8 ZY	8
3	161669	LOCKWASHER S10	8
4	161640	WASHER GR A10.5	8
5	162744	CONSOLE	1

Ref. No.	Part No.	Description	Qty.
6	161432	SCREW JOINT	14
7	161449	ELBOW	1
8	161447	ANGLE	1
9	161434	SCREW JOINT	2

502 - REVERSING VALVE

1000116332

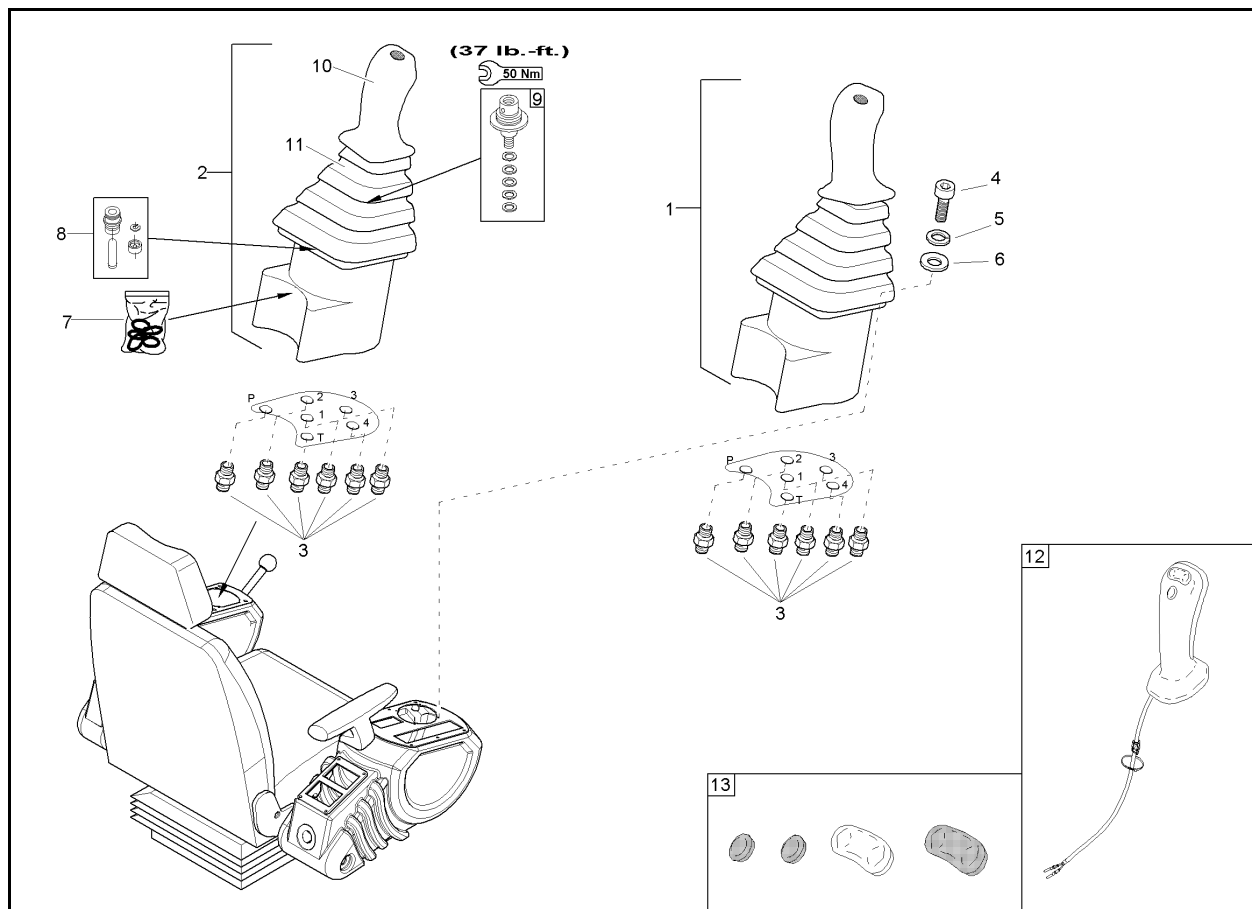


Ref. No.	Part No.	Description	Qty.
1	160763	REVERSING VALVE COMPLETE	1
2	161427	SCREW JOINT	6
3	161426	SCREW JOINT	1
4	651511	SHCS M6-1 X 50 C8.8 ZY	2

Ref. No.	Part No.	Description	Qty.
5	161675	LOCKWASHER S6	2
6	161660	WASHER GR A6.4 ZO DIN125	4
7	161678	HN M6-1.00 C8 ZO	2
8	160438	PLUG	1

502 - HAND LEVERS

1000116333

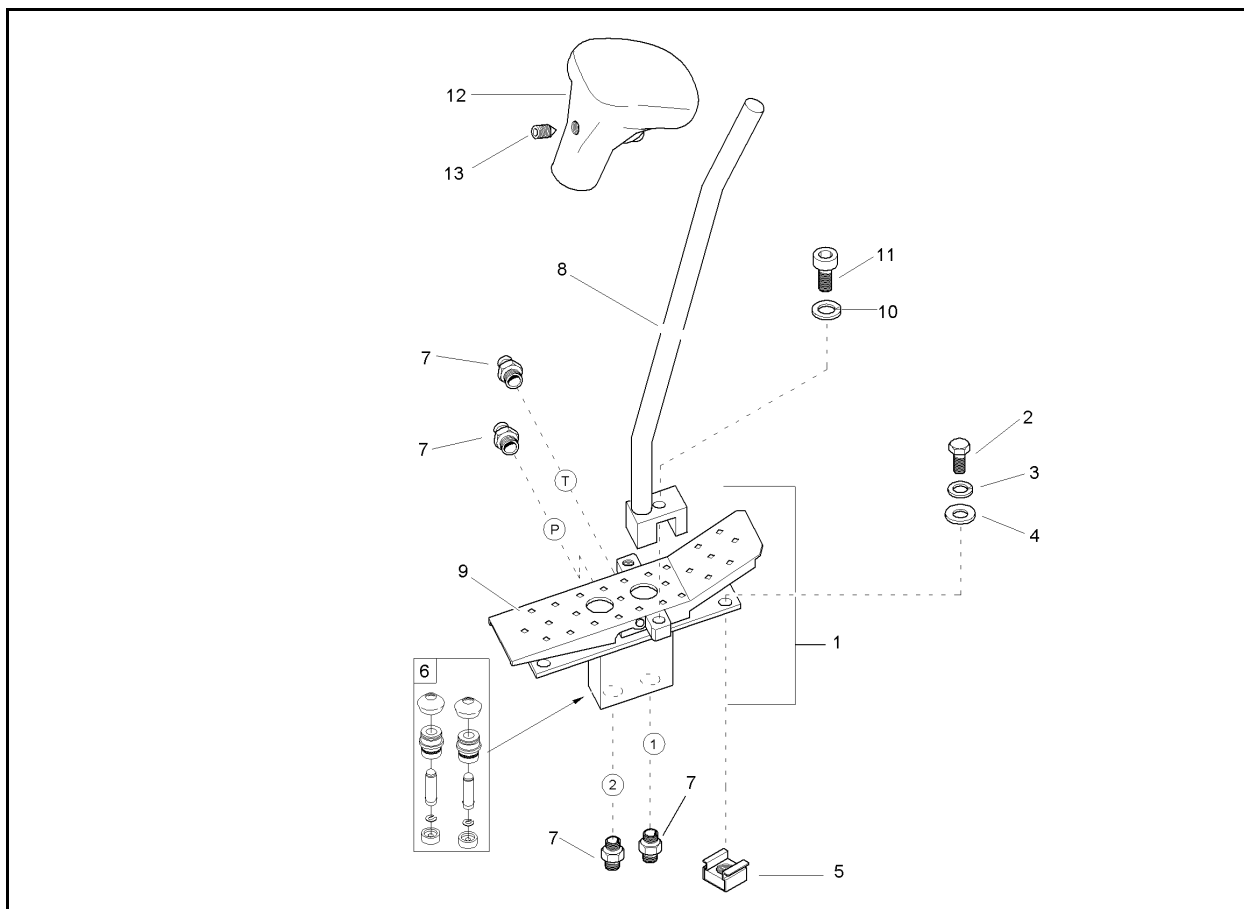


Ref. No.	Part No.	Description	Qty.
1	161180	PILOT VALVE	1
2	161179	PILOT VALVE	1
3	161437	SCREW JOINT	12
4	651507	SHCS M6-1 X 20 C8.8 ZY	8
5	161675	LOCKWASHER S6	8
6	161660	WASHER GR A6.4 ZO DIN125	8
7	160487	SEAL KIT	2

Ref. No.	Part No.	Description	Qty.
8	160486	SEAL KIT	2
9	165037	UNIVERSAL JOINT	2
10	160469	HANDLE	2
11	160470	BELLOWS	2
12	179077	HANDLE (OPTION)	1
13	177652	RUBBER CAP SET	2

502 - DOZER BLADE VALVE

1000116335

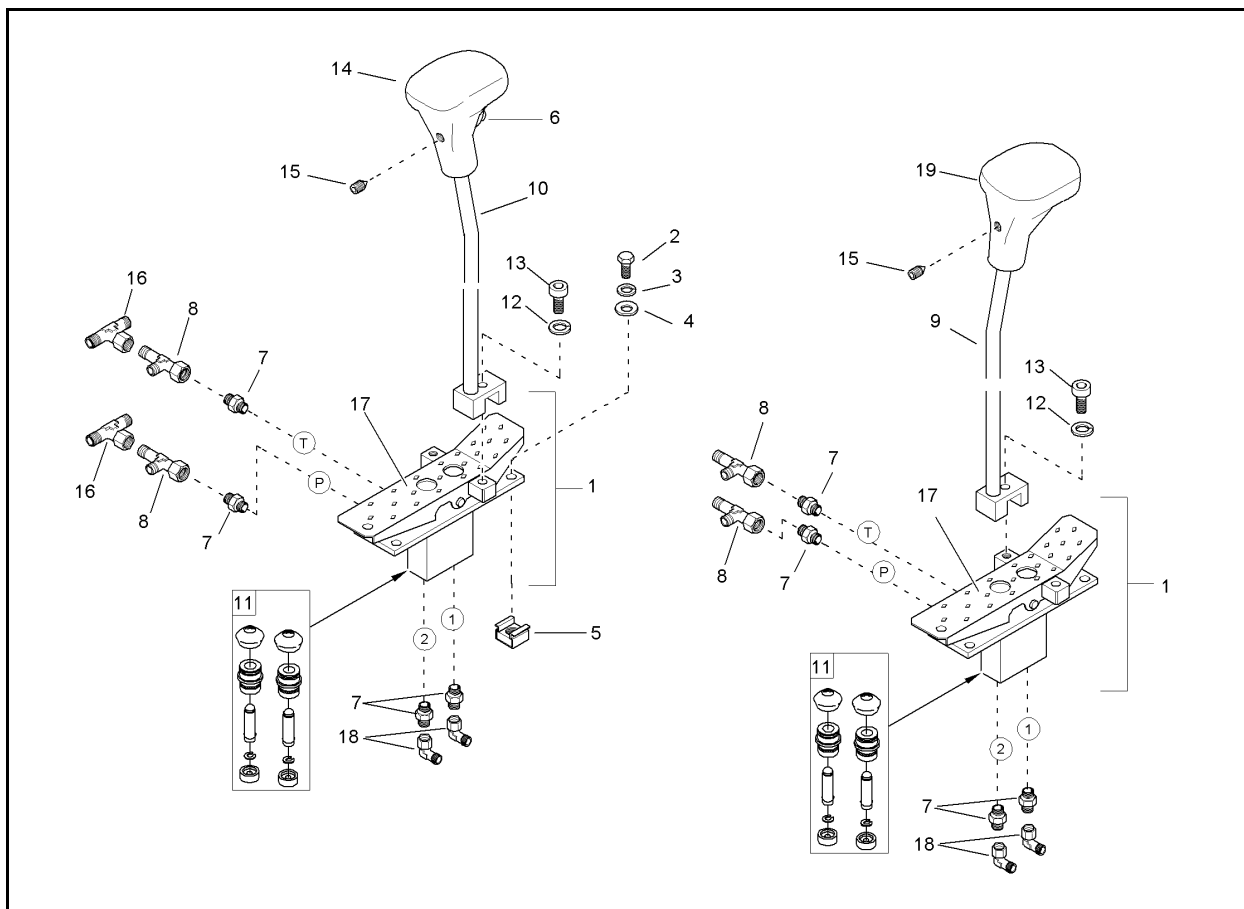


Ref. No.	Part No.	Description	Qty.
1	160912	CONTROL LEVER	1
2	177648	HEX SCREW	4
3	163670	WASHER	4
4	163634	WASHER	4
5	161615	CAGE NUT M8	4
6	160918	SEAL FOR TAPPET	1
7	161426	SCREW JOINT	4

Ref. No.	Part No.	Description	Qty.
8	179288	DOZER BLADE LEVER	1
9	178979	PEDAL	1
10	163651	WASHER	1
11	651483	SHCS M12-1.75 X 35 C10.9 ZY	1
12	161764	KNOB	1
13	162027	SET SCREW	1

502 - PILOT VALVE TRAVEL

1000116338

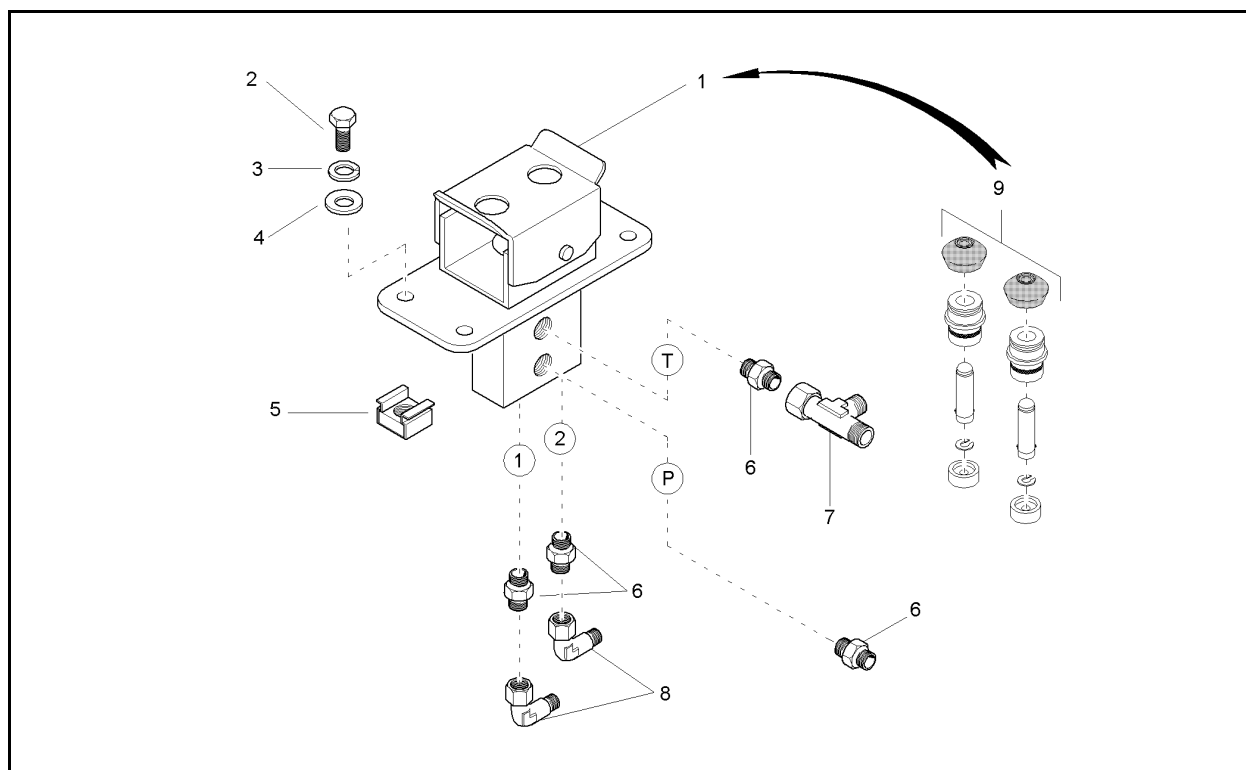


Ref. No.	Part No.	Description	Qty.
1	160760	CONTROL LEVER	2
2	177648	HEX SCREW	4
3	163670	WASHER	4
4	163634	WASHER	4
5	161615	CAGE NUT M8	4
6	161363	SWITCH	1
7	161426	SCREW JOINT	4
8	161448	TEE	4
9	160930	TRAVELING HAND LEVER LT	1
10	160931	TRAVELING HAND LEVER RT	1

Ref. No.	Part No.	Description	Qty.
11	160918	SEAL FOR TAPPET	2
12	163651	WASHER	1
13	651483	SHCS M12-1.75 X 35 C10.9 ZY	2
14	160658	KNOB W/RED SWITCH	1
15	162027	SET SCREW	2
16	161450	TEE	2
17	178979	PEDAL	2
18	161443	90° FITTING	4
19	161764	KNOB	1

502 - AUXILIARY HYDRAULICS PILOT VALVE

1000116872

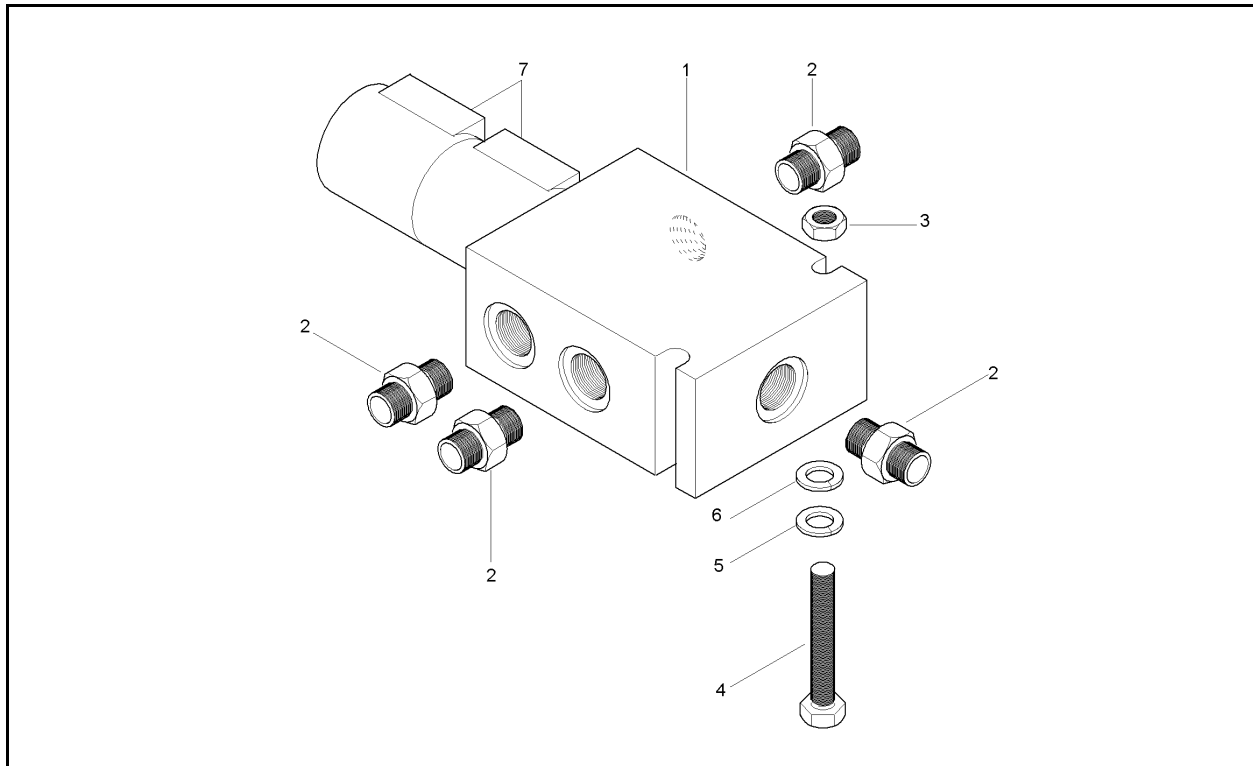


Ref. No.	Part No.	Description	Qty.
1	161154	CONTROL VALVE	1
2	177648	HEX SCREW	4
3	163670	WASHER	4
4	163634	WASHER	4
5	161615	CAGE NUT M8	4

Ref. No.	Part No.	Description	Qty.
6	161426	SCREW JOINT	4
7	161448	TEE	1
8	161443	90° FITTING	2
9	160918	SEAL/TAPPET	1

502 - 4/3 VALVE (OPTION)

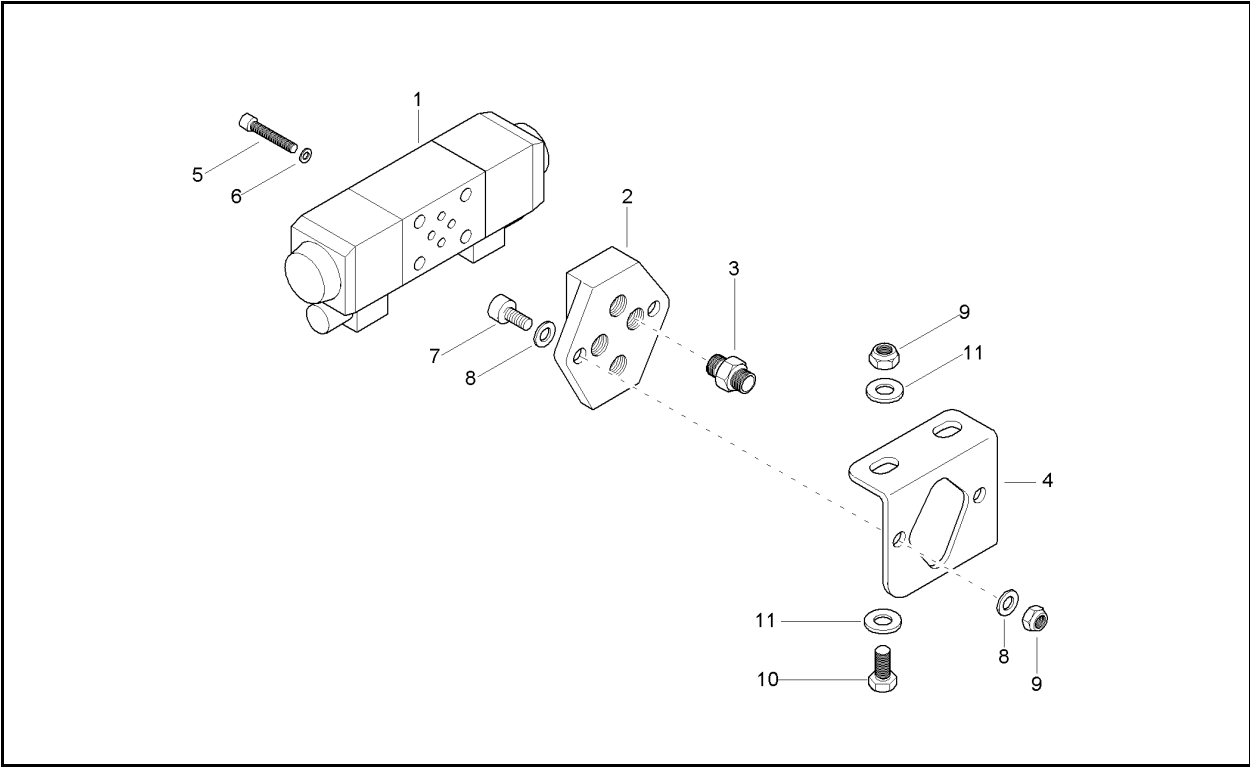
1000116341



Ref. No.	Part No.	Description	Qty.
1	165827	4/3 VALVE	1
2	161426	SCREW JOINT	4
3	651457	LN INS M6-1 C8 ZY	2
4	162028	SCREW	2

Ref. No.	Part No.	Description	Qty.
5	161675	LOCKWASHER S6	2
6	161660	WASHER GR A6.4 ZO DIN125	2
7	177827	SOLENOID	2

502 - SOLENOID VALVE (OPTION)
1000117651

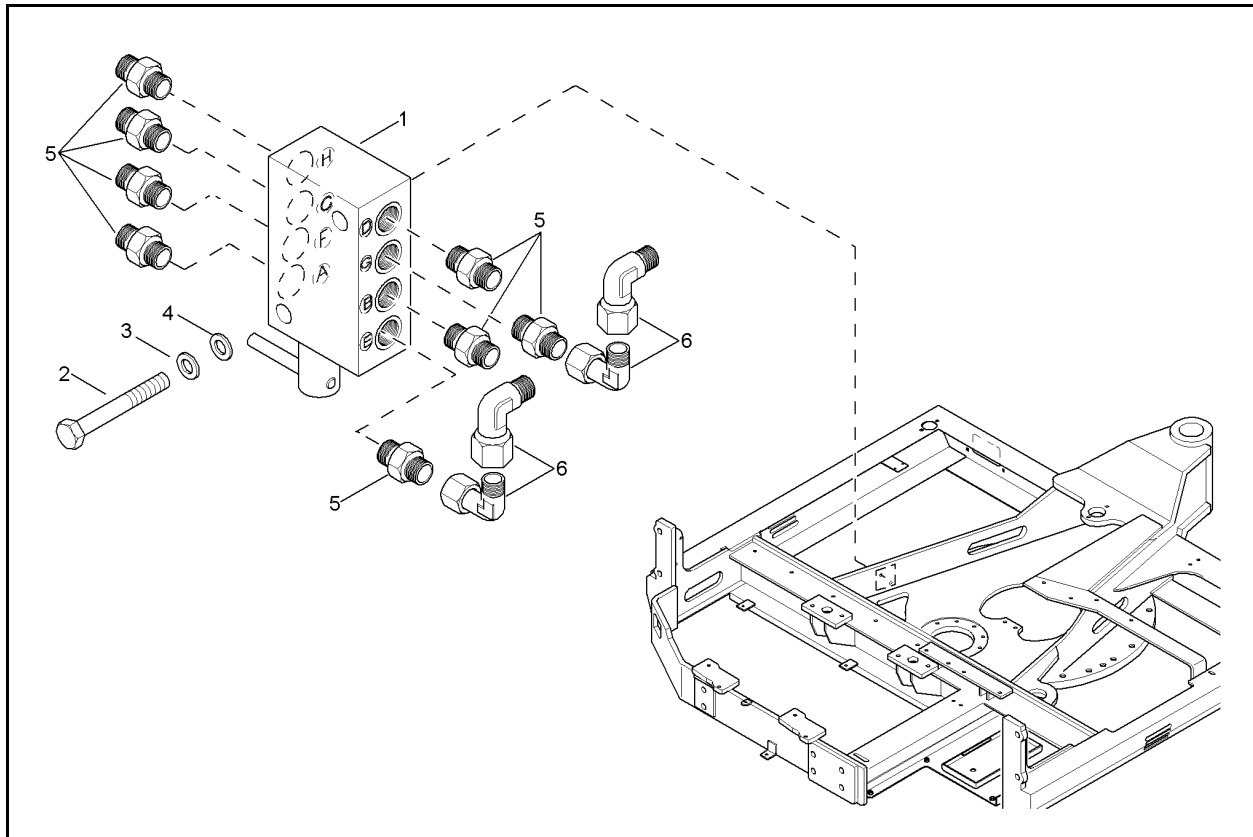


Ref. No.	Part No.	Description	Qty.
1	179079	SOLENOID VALVE	1
2	179078	BRACKET	1
3	161427	SCREW JOINT	4
4	179024	BRACKET	1
5	179766	SCREW	4
6	161675	LOCKWASHER S6	4

Ref. No.	Part No.	Description	Qty.
7	651508	SHCS M6-1 X 25 C8.8 ZY	2
8	161660	WASHER GR A6.4 ZO DIN125	4
9	651457	LN INS M6-1 C8 ZY	4
10	651424	CS M6-1 X 20 C8.8 ZY	2
11	7462680008	WASHER	4

502 - ISO/SAE PATTERN VALVE (OPTION)

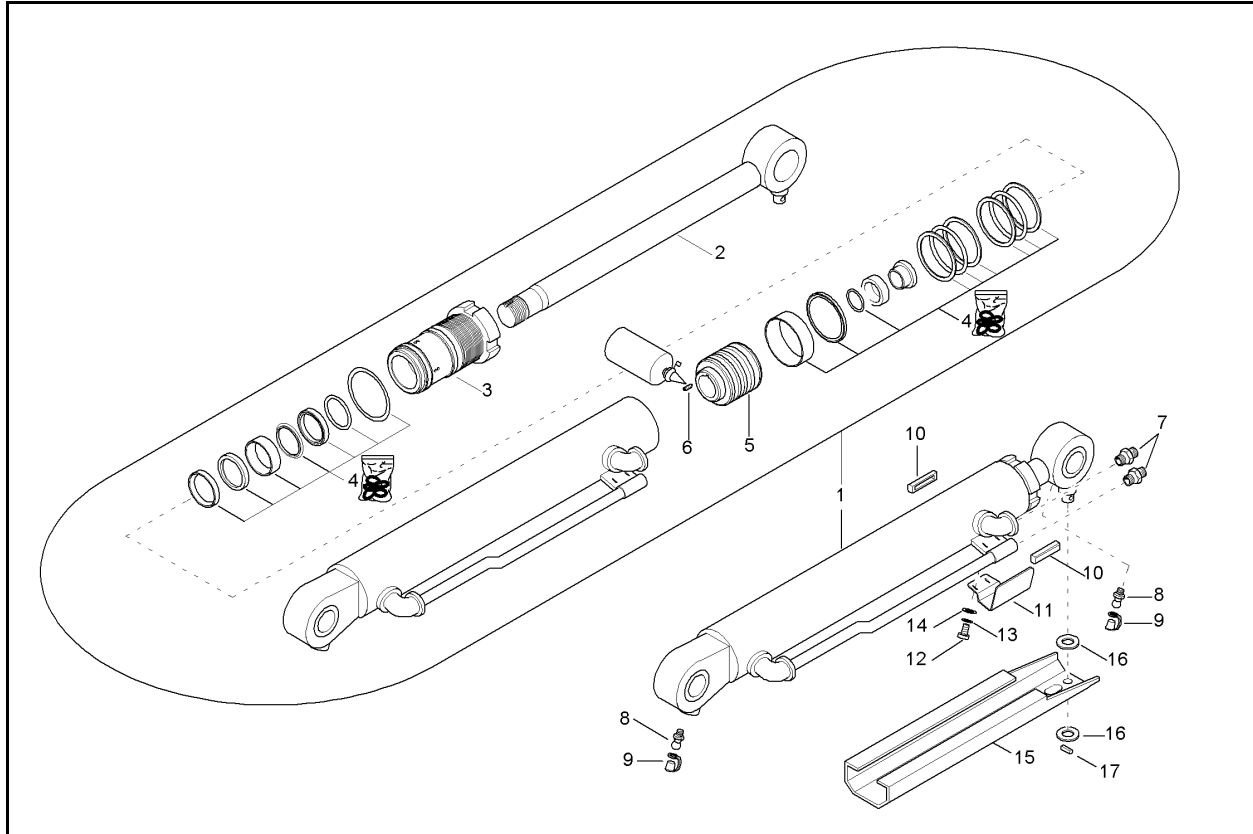
1000116342



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	1408450G	ISO/SAE VALVE	1	4	161660	WASHER GR A6.4 ZO DIN125	2
2	651428	CS M6-1 X 50 C8.8 ZY	2	5	161426	SCREW JOINT	8
3	161675	LOCKWASHER S6	2	6	161443	90° FITTING	4

502 - BOOM CYLINDER

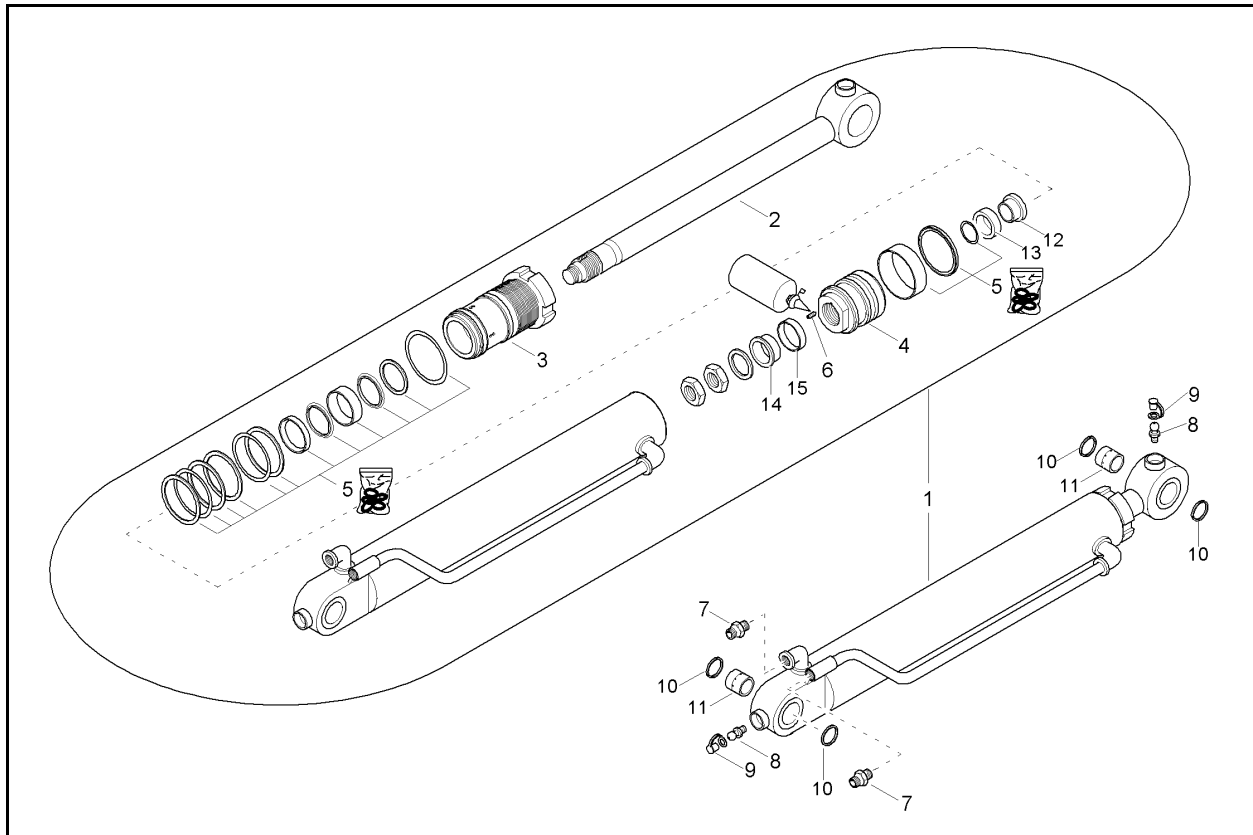
10006343



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160910	BOOM CYLINDER	1	10	161205	GUIDE	2
2	160924	PISTON ROD	1	11	162397	PROTECTION BRACKET	1
3	160920	PISTON	1	12	651515	SHCS M8-1.25 X 20 C8.8 ZY	2
4	161052	SEAL KIT/CYLINDER	1	13	163670	WASHER	2
5	161023	GLAND	1	14	163634	WASHER	2
6	162481	SET SCREW	1	15	162784	GUARD	1
7	161432	SCREW JOINT	2	16	161650	WASHER GR A19 ZO DIN125	2
8	161412	GREASE ZERK (9mm HEX HEAD)	2	17	651467	PIN/SPRING M5 X 30	1
9	161422	CAP	2				

502 - DIPPER ARM CYLINDER

1000116345

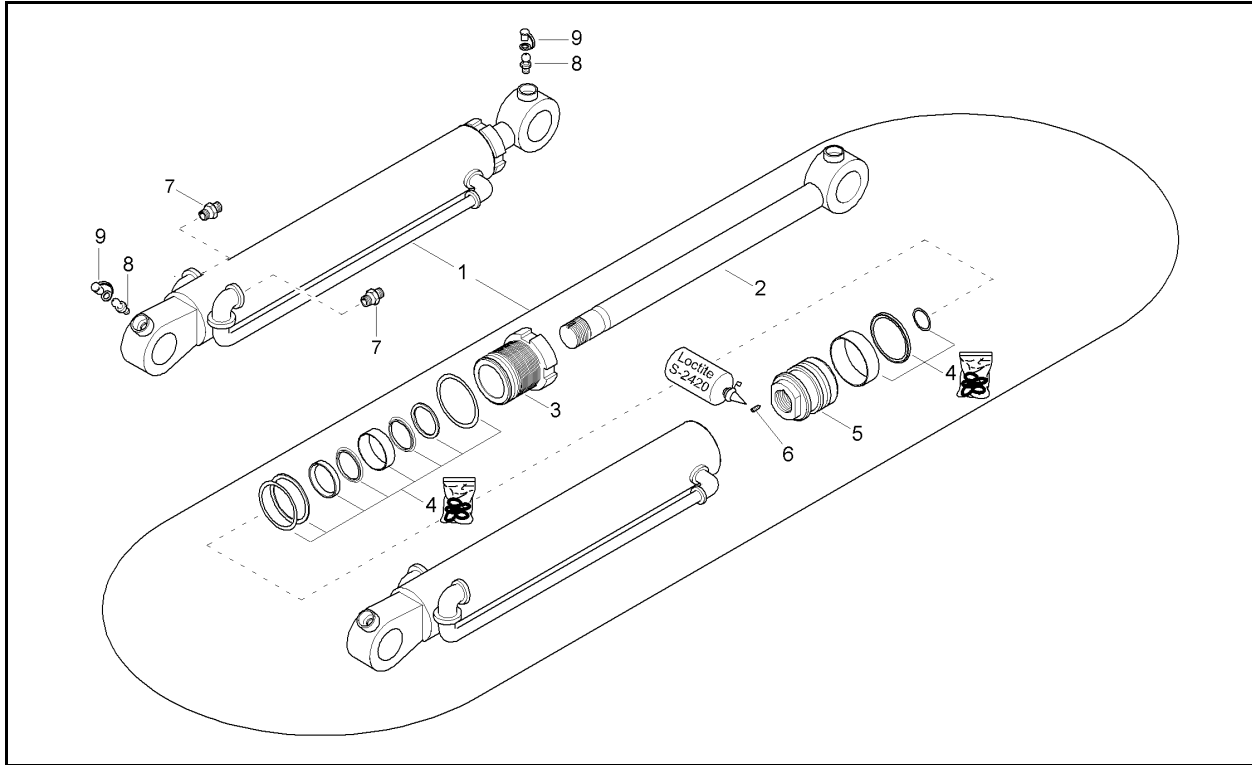


Ref. No.	Part No.	Description	Qty.
1	177445	KIT/DIPPER ARM CYLINDER	1
2	160923	PISTON ROD	1
3	160919	PISTON	1
4	161022	PISTON	1
5	161051	SEAL KIT/DIPPER ARM CYLINDER	1
6	162481	SET SCREW	1
7	161432	SCREW JOINT	2
8	161412	GREASE ZERK (9mm HEX HEAD)	2

Ref. No.	Part No.	Description	Qty.
9	161422	CAP	2
10	161588	PIN SEAL	4
11	161550	BUSHING	2
12	204831	SHOCK ABSORBER BUSHING	1
13	204832	SHOCK ABSORBER RING	1
14	204833	SHOCK ABSORBER BUSHING	1
15	204834	SHOCK ABSORBER RING	1

502 - BUCKET CYLINDER

1000116347

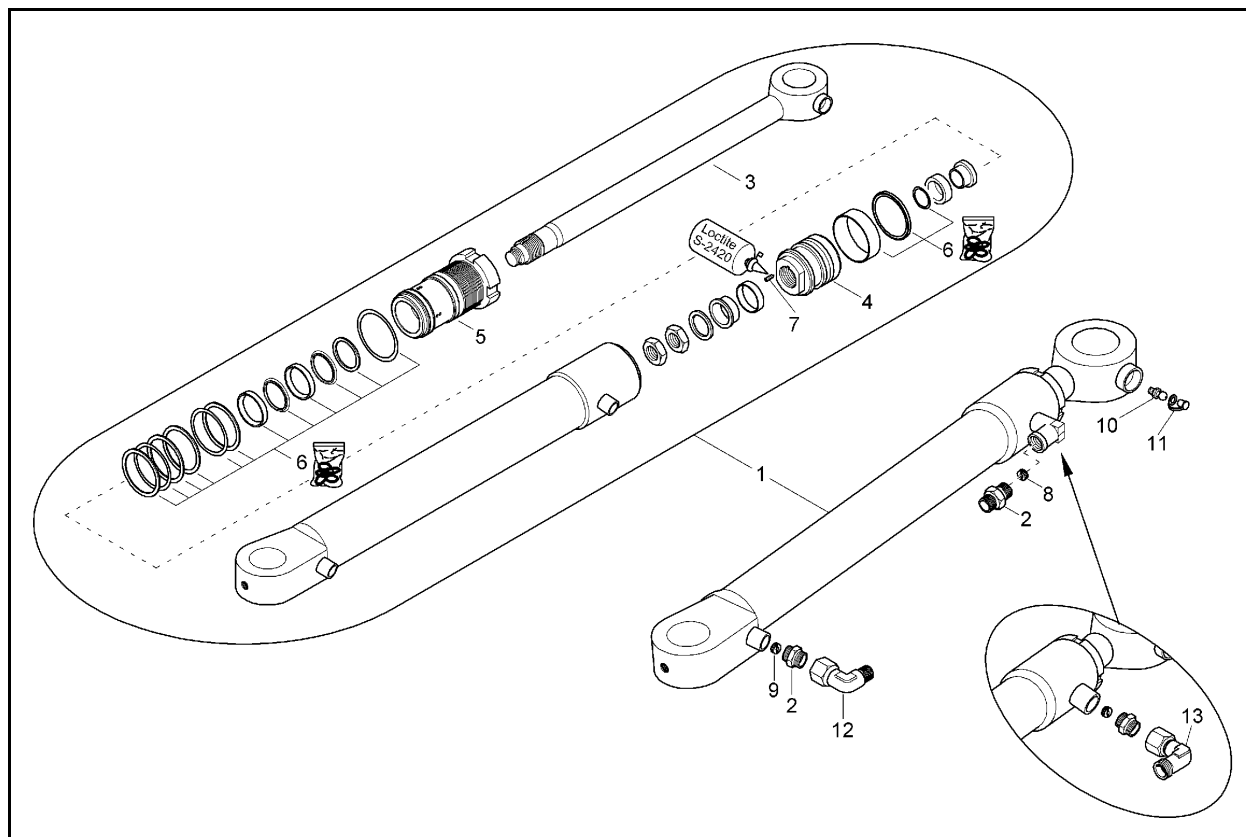


Ref. No.	Part No.	Description	Qty.
1	160998	BUCKET CYLINDER	1
2	161016	PISTON ROD	1
3	161024	GLAND	1
4	161050	SEAL KIT/BUCKET CYLINDER	1
5	161021	PISTON	1

Ref. No.	Part No.	Description	Qty.
6	162481	SET SCREW	1
7	161432	SCREW JOINT	2
8	161412	GREASE ZERK (9mm HEX HEAD)	2
9	161422	CAP	2

502 - SWIVEL CYLINDER

1000116349

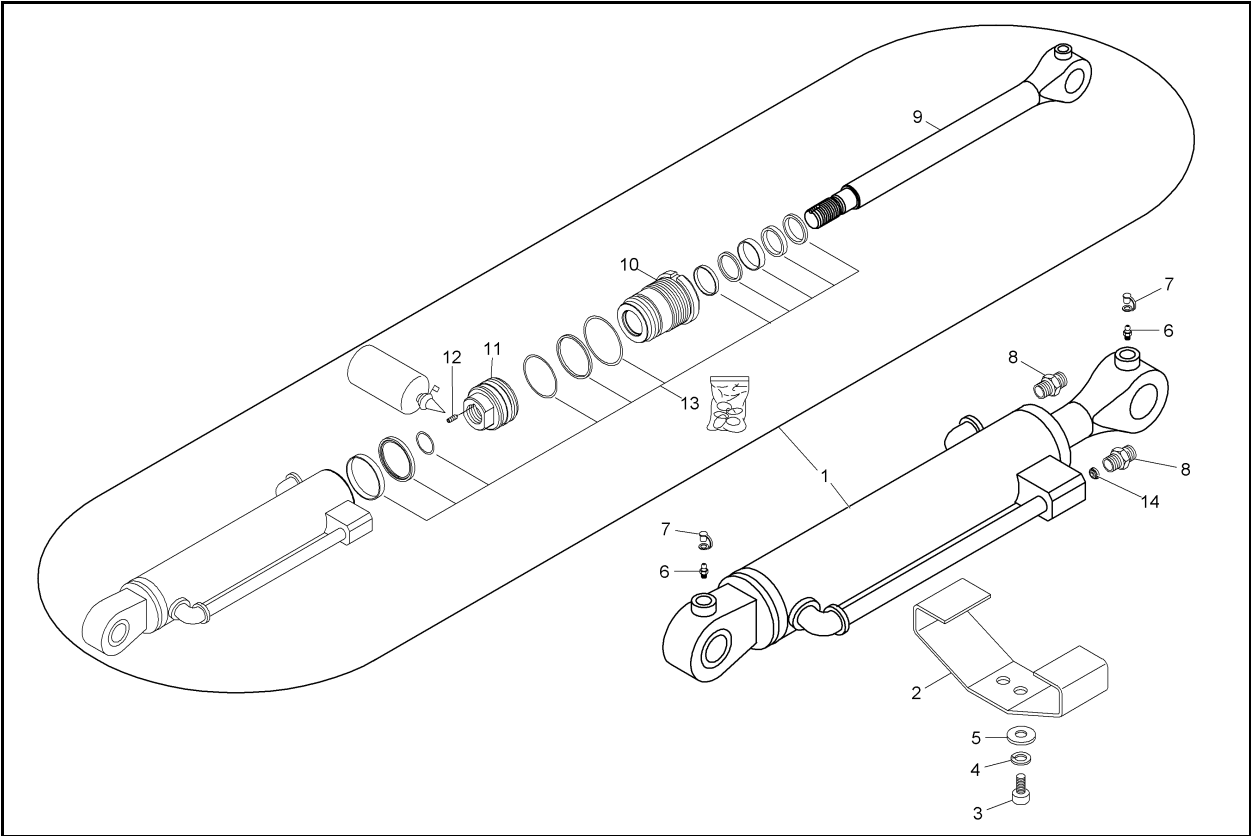


Ref. No.	Part No.	Description	Qty.
1	*	SWIVEL CYLINDER	1
2	161430	SCREW JOINT	2
3	161018	PISTON ROD	1
4	161022	PISTON	1
5	161027	GLAND	1
6	162895	SEAL KIT	1
7	162481	SET SCREW	1

Ref. No.	Part No.	Description	Qty.
8	160967	RESTRICTOR	1
9	160968	RESTRICTOR	1
10	161412	GREASE ZERK (9mm HEX HEAD)	2
11	161422	CAP	2
12	161445	90° FITTING	1
13	161445	90° FITTING	1

* Replaced by P/N 161003 for service.

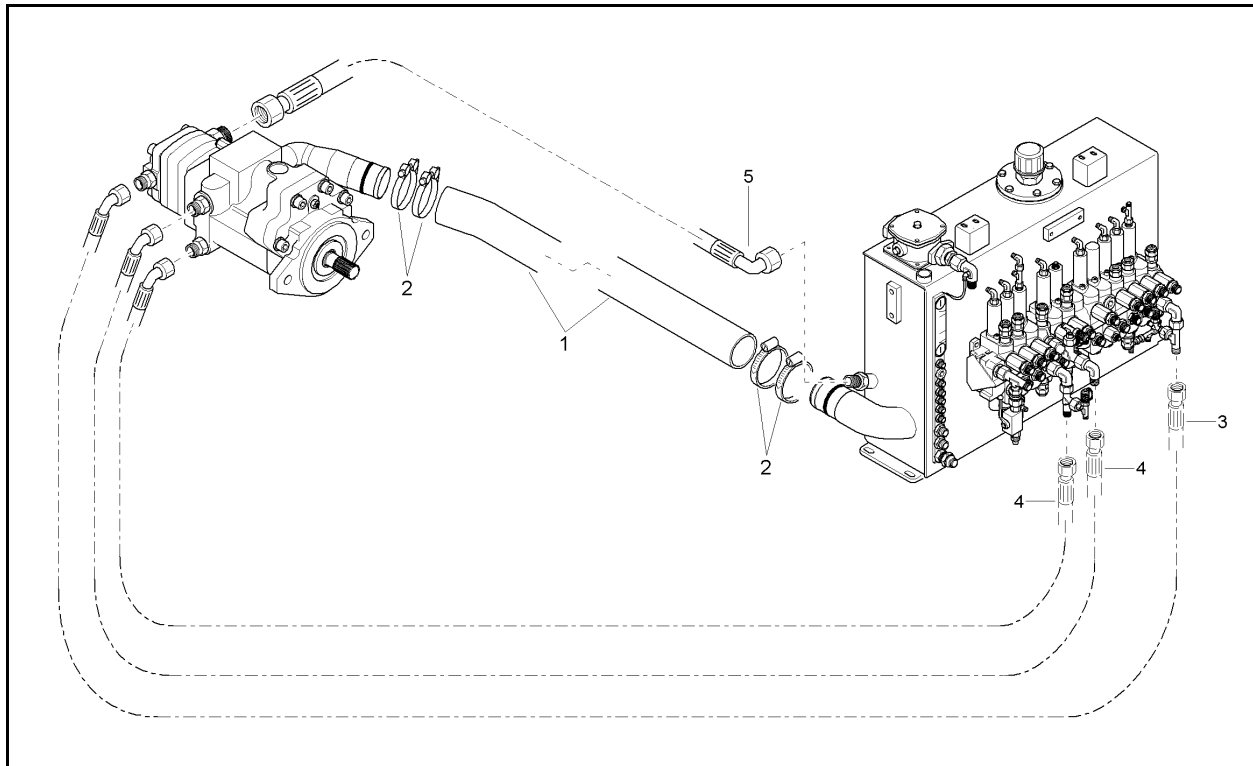
502 - DOZER BLADE CYLINDER
1000116360



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160911	DOZER BLADE CYLINDER	1	8	161430	SCREW JOINT	2
2	162704	SHIELD	1	9	160922	PISTON ROD	1
3	651472	SHCS M10-1.25 X 25 F8.8 ZY	2	10	160921	PISTON	1
4	161669	LOCKWASHER S10	2	11	160946	GLAND	1
5	161640	WASHER GR A10.5	2	12	162481	SET SCREW	1
6	161412	GREASE ZERK (9mm HEX HEAD)	2	13	160423	SEAL KIT	1
7	161422	CAP	2	14	162732	TUBE BURST PROTECTION	1

502 - HYDRAULIC PUMP HOSE INSTALLATION

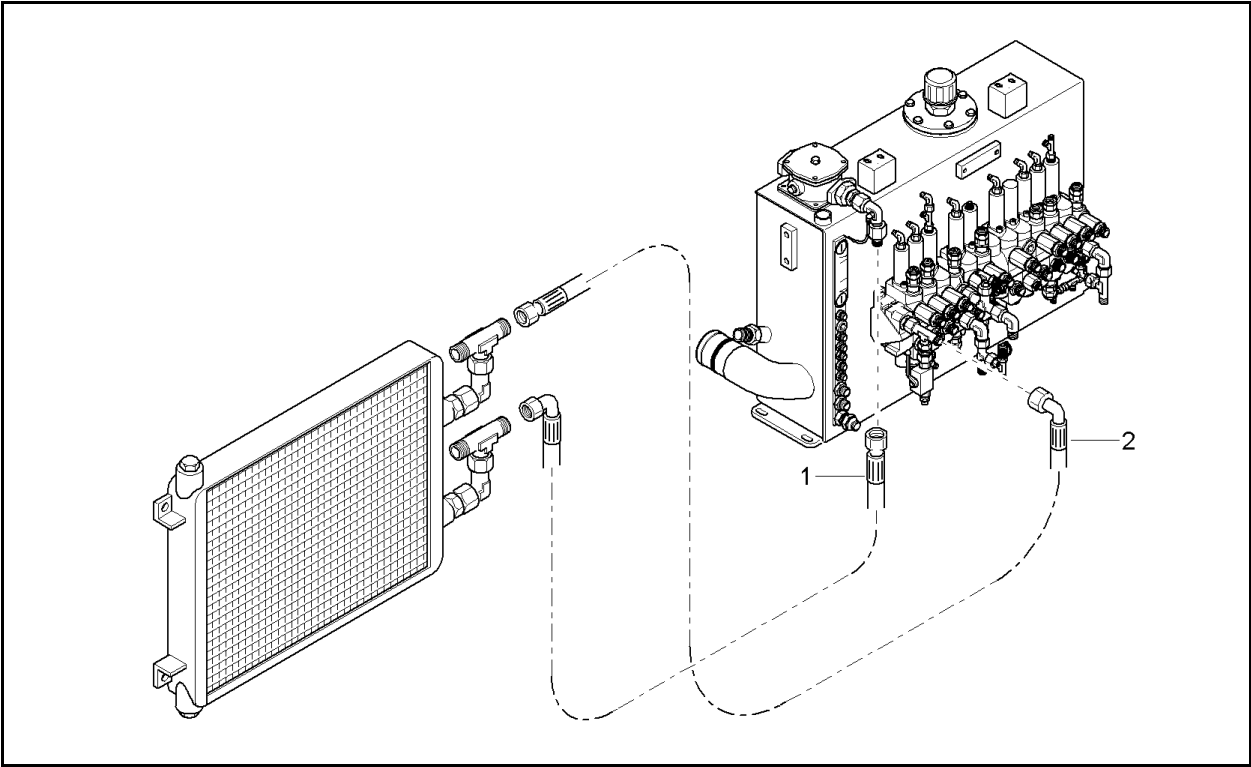
1000116362



Ref. No.	Part No.	Description	Qty.
1	160872	SUCTION HOSE	1
2	162610	HOSE CLAMP	4
3	179616	HP HOSE	1

Ref. No.	Part No.	Description	Qty.
4	179617	HP HOSE	2
5	161348	HP HOSE	1

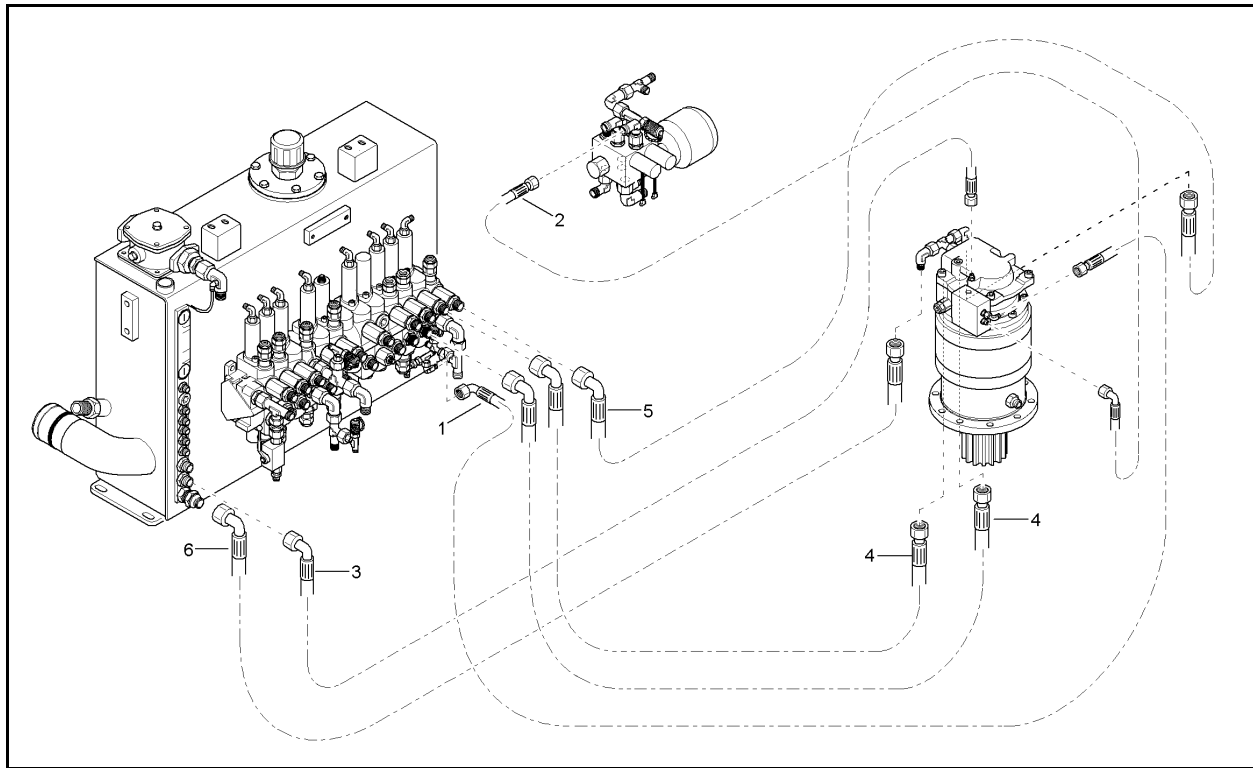
502 - OIL COOLER HOSE INSTALLATION
1000116363



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161337	HP HOSE	1	2	161340	HP HOSE	1

502 - TURNTABLE DRIVE UNIT HOSE INSTALLATION

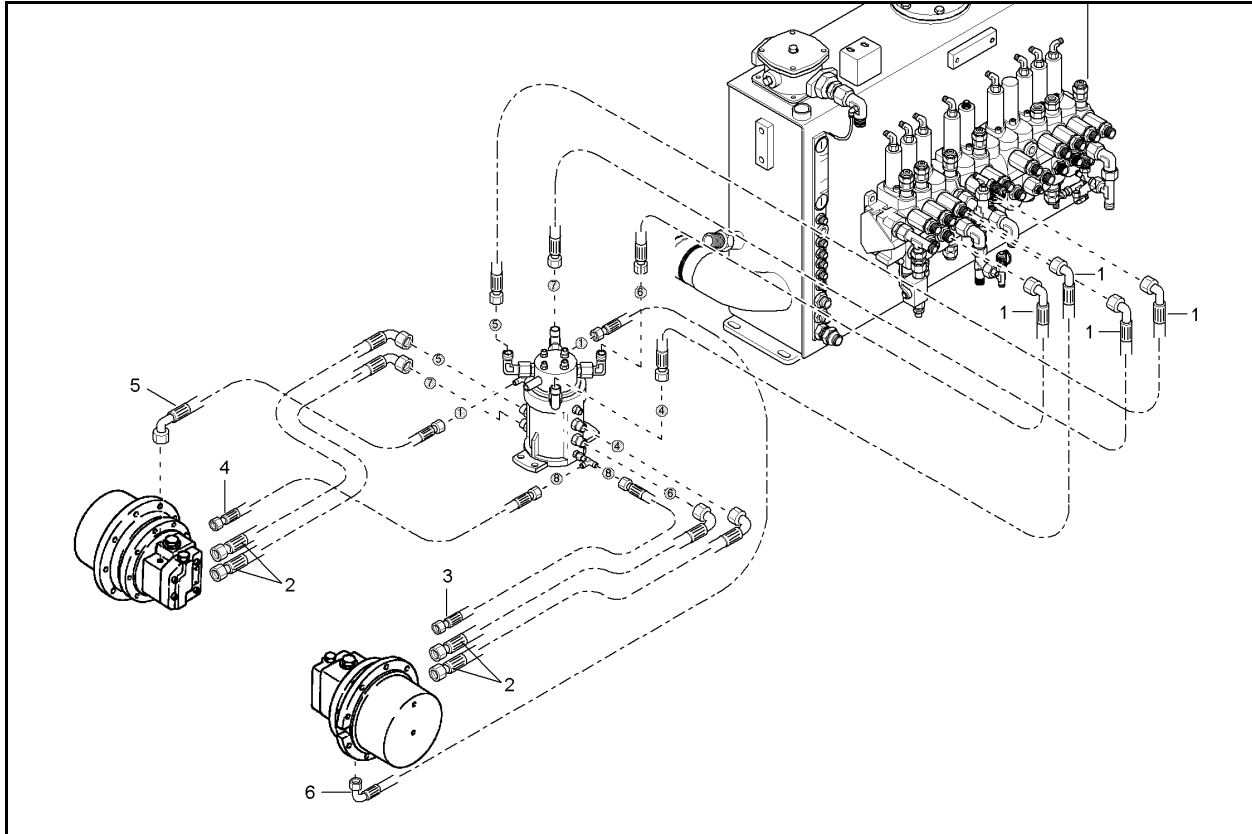
1000116364



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161238	HP HOSE	1	4	161322	HP HOSE	1
2	161350	HP HOSE	1	5	161324	HP HOSE	1
3	161277	HP HOSE	1	6	161329	HP HOSE	1

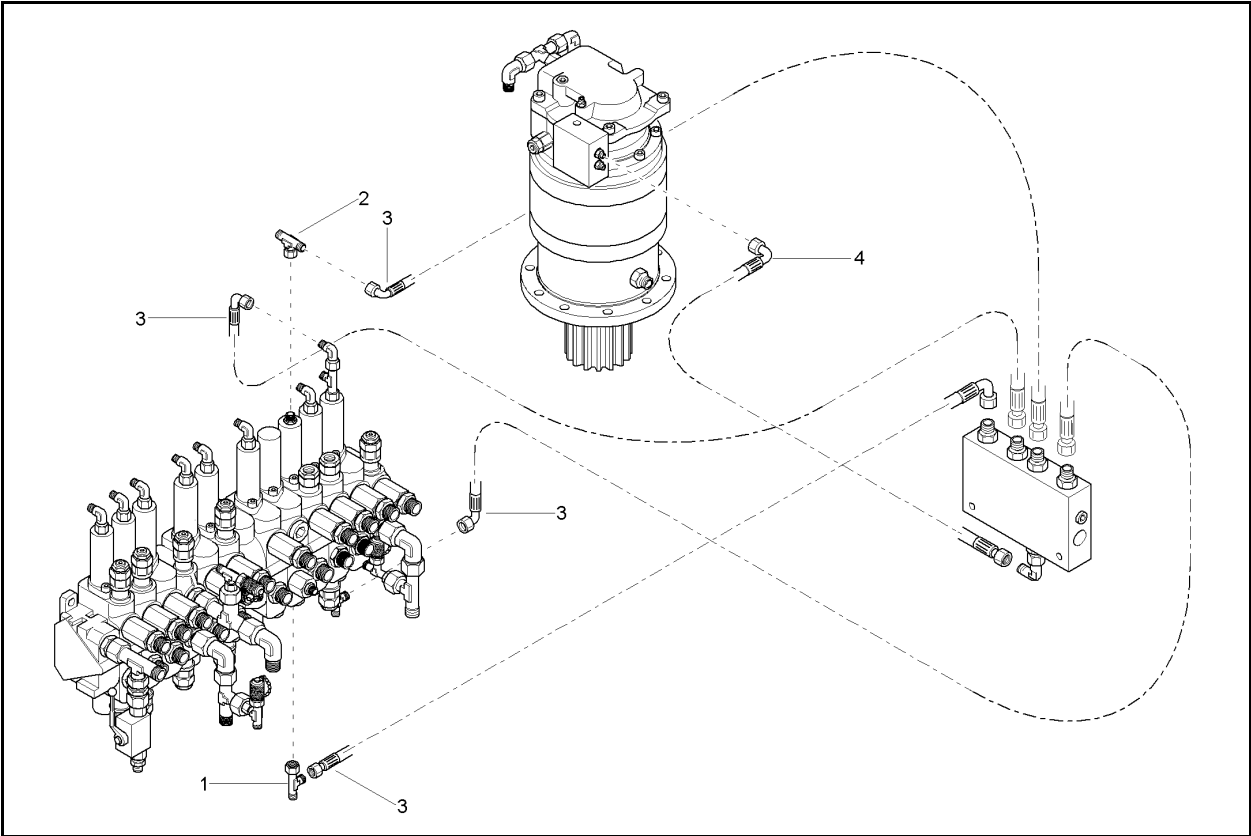
502 - TRAVEL MOTOR HOSE INSTALLATION

1000116366



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161279	HP HOSE	4	4	161254	HP HOSE	1
2	177853	HP HOSE	4	5	161255	HP HOSE	1
3	161253	HP HOSE	1	6	161256	HP HOSE	1

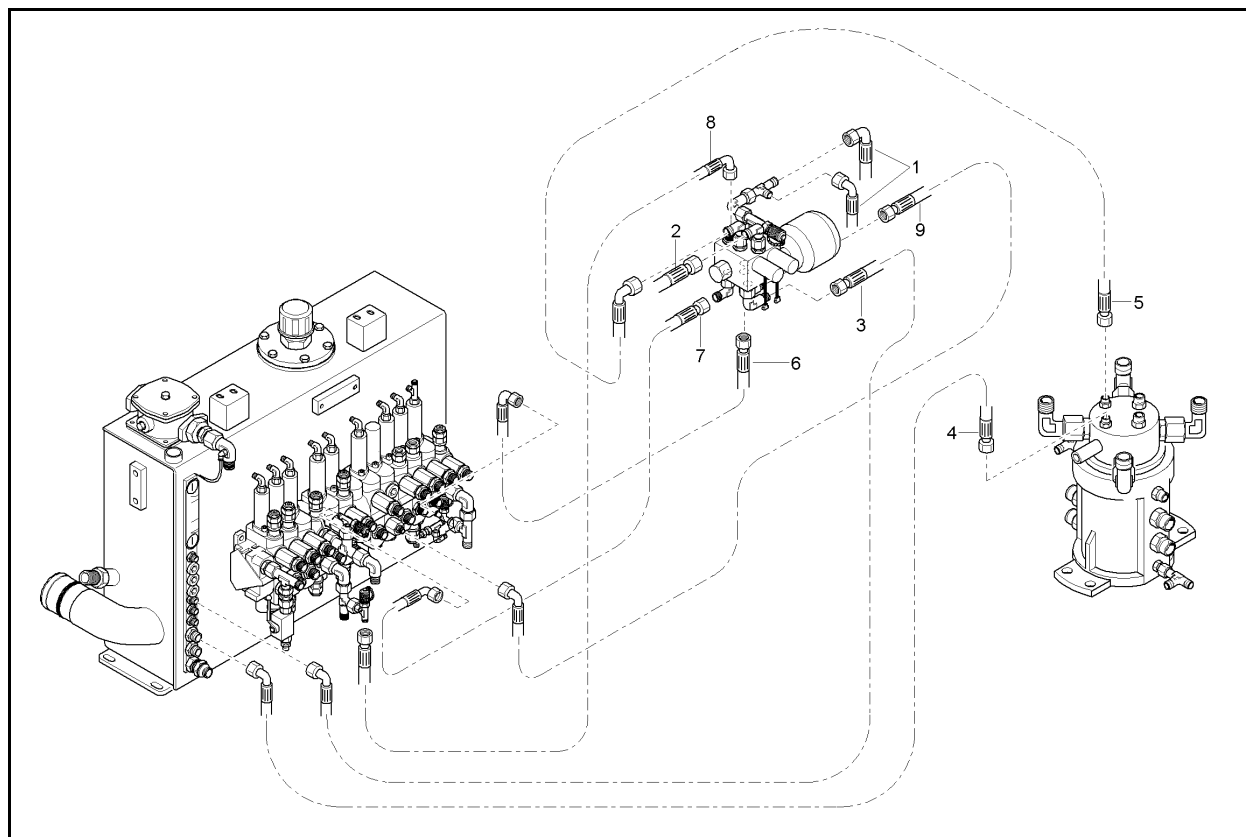
502 - VALVE HOSE INSTALLATION
1000116922



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161448	TEE	1	3	161236	HP HOSE	4
2	161450	TEE	1	4	161238	HP HOSE	1

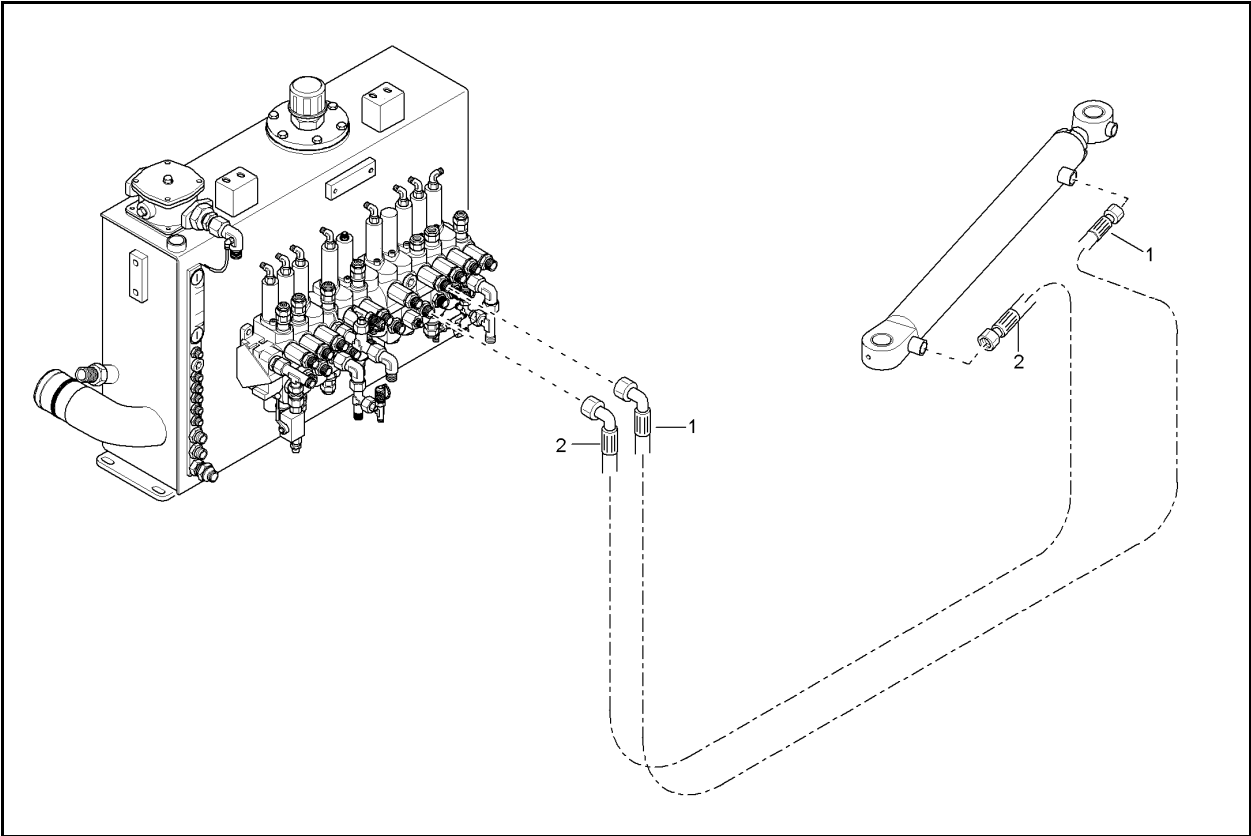
502 - PILOT OIL SUPPLY HOSE INSTALLATION

1000116371



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161276	HP HOSE	2	6	161285	HP HOSE	1
2	161350	HP HOSE	1	7	161286	HP HOSE	1
3	161227	HP HOSE	1	8	161287	HP HOSE	1
4	161225	HP HOSE	1	9	161252	HP HOSE	1
5	161230	HP HOSE	1				

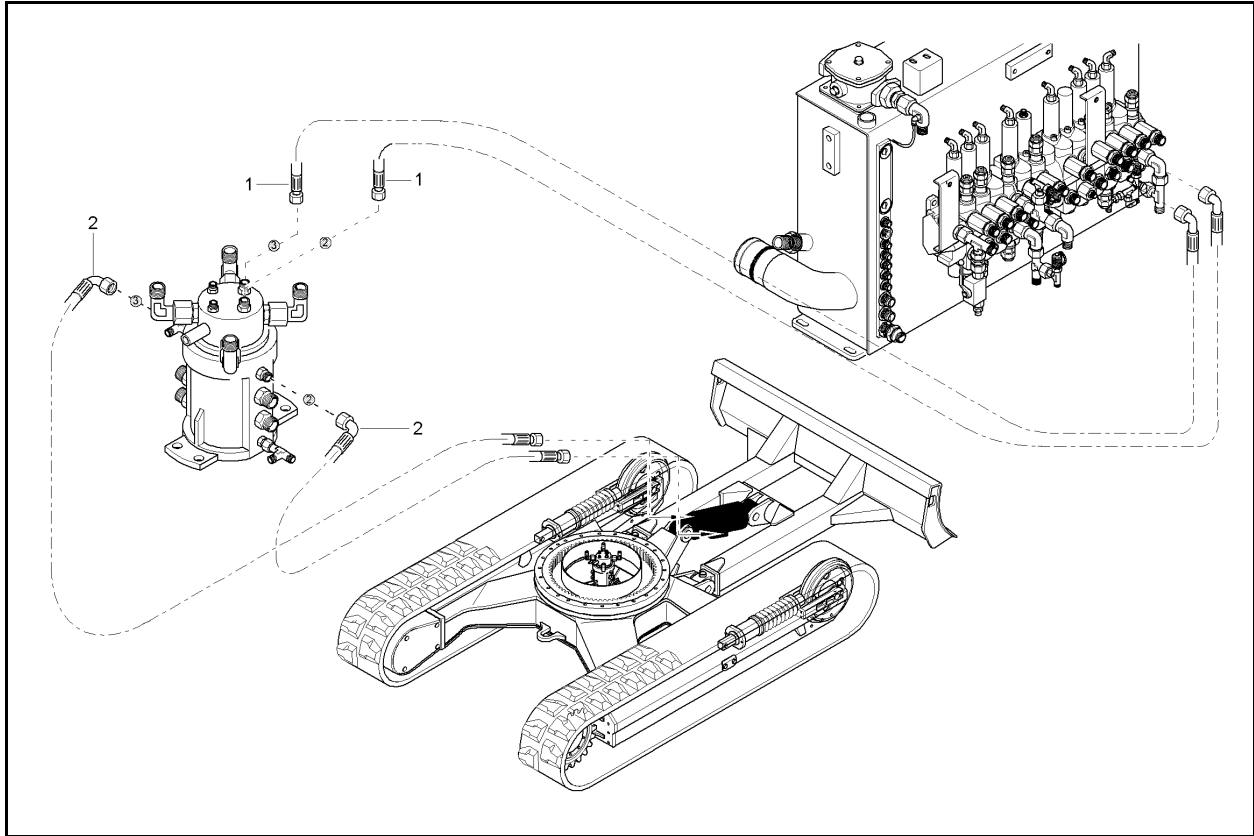
502 - SWIVEL CYLINDER HOSE INSTALLATION
1000116372



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204835	HP HOSE	1	2	204836	HP HOSE	1

502 - DOZER BLADE CYLINDER HOSE INSTALLATION

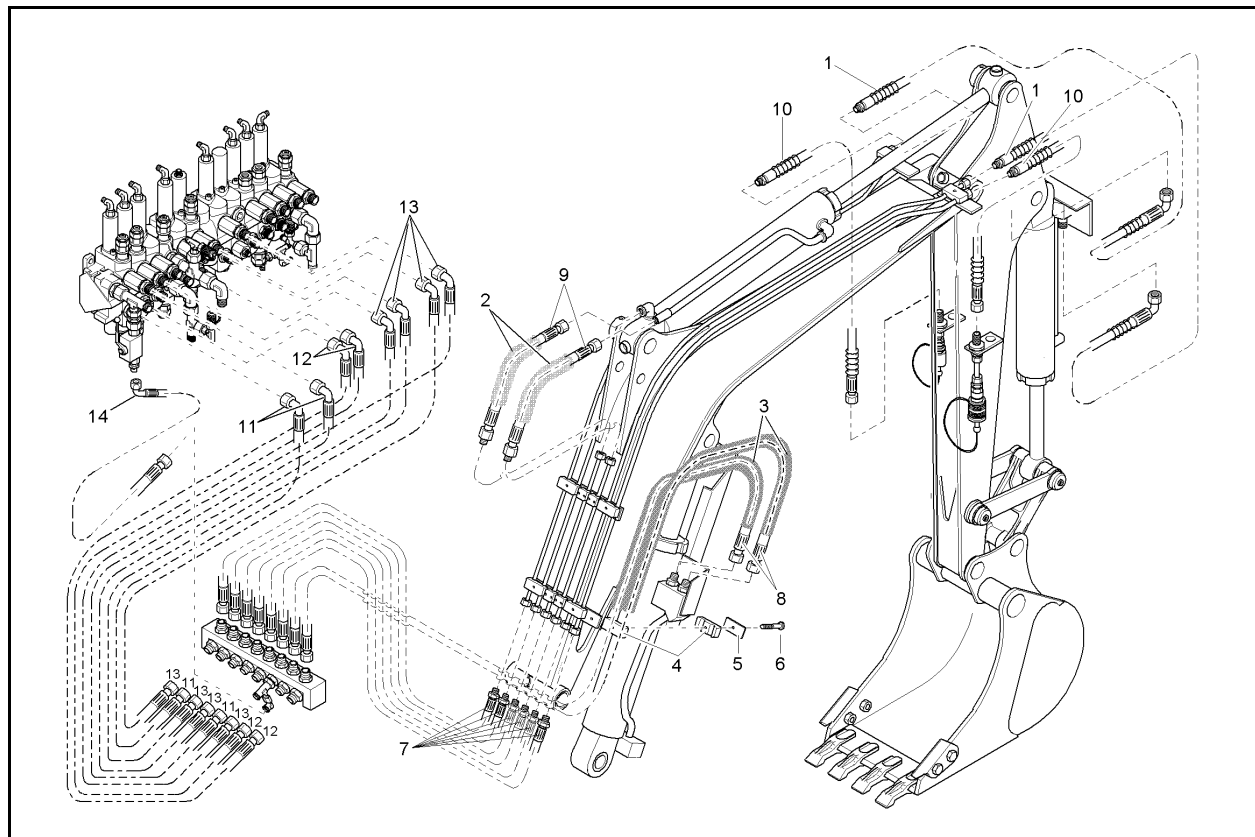
1000116373



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	204748	HP HOSE	2	2	177854	HP HOSE	2

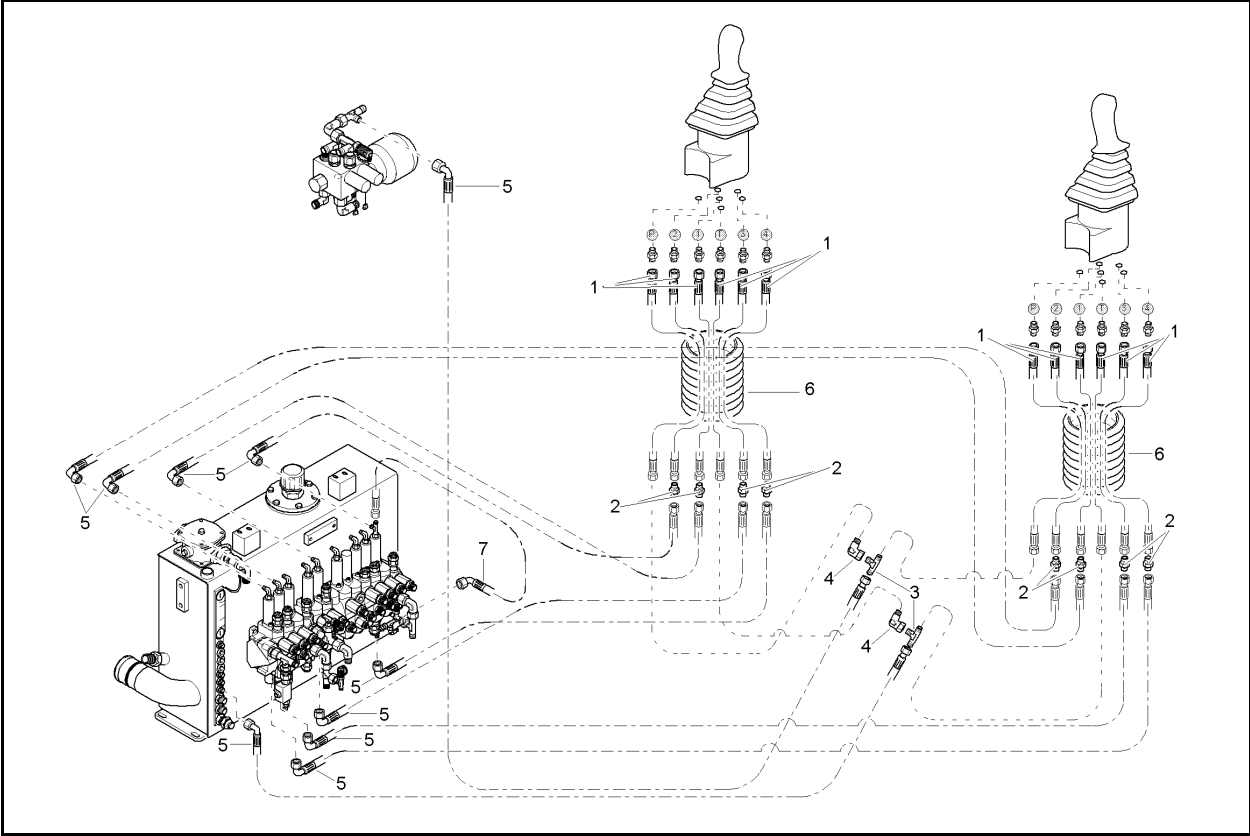
502 - BOOM HOSE INSTALLATION

1000116374



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161346	HP HOSE	2	8	179621	HP HOSE	2
2	207183	HEAT SHRINK SLEEVE (0.7M)	1	9	161333	HP HOSE	2
3	207187	HEAT SHRINK SLEEVE (1.2M)	1	10	161347	HP HOSE	2
4	162612	HOSE CLAMP	2	11	161330	HP HOSE	2
5	162502	COVER	1	12	161279	HP HOSE	2
6	163024	SCREW	1	13	161281	HP HOSE	4
7	161331	HP HOSE	6	14	161282	HP HOSE	1

502 - HAND LEVERS HOSE INSTALLATION
1000116379

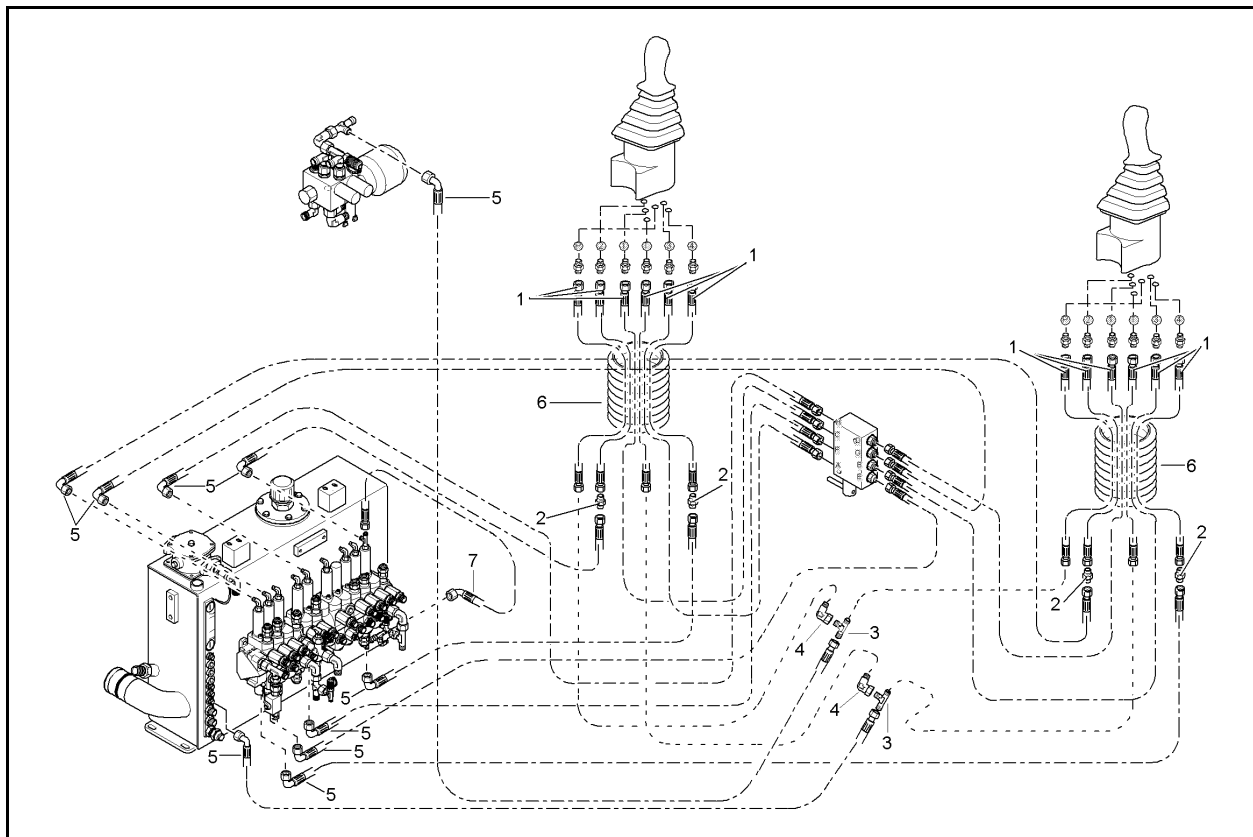


Ref. No.	Part No.	Description	Qty.
1	162959	HP HOSE	12
2	161479	SCREW JOINT	8
3	161465	TEE	2
4	161443	90° FITTING	2

Ref. No.	Part No.	Description	Qty.
5	161276	HP HOSE	10
6	164892	PROTECTION HOSE	2
7	161236	HP HOSE	1

502 - ISO/SAE VALVE HOSE INSTALLATION (OPTION)

1000116380

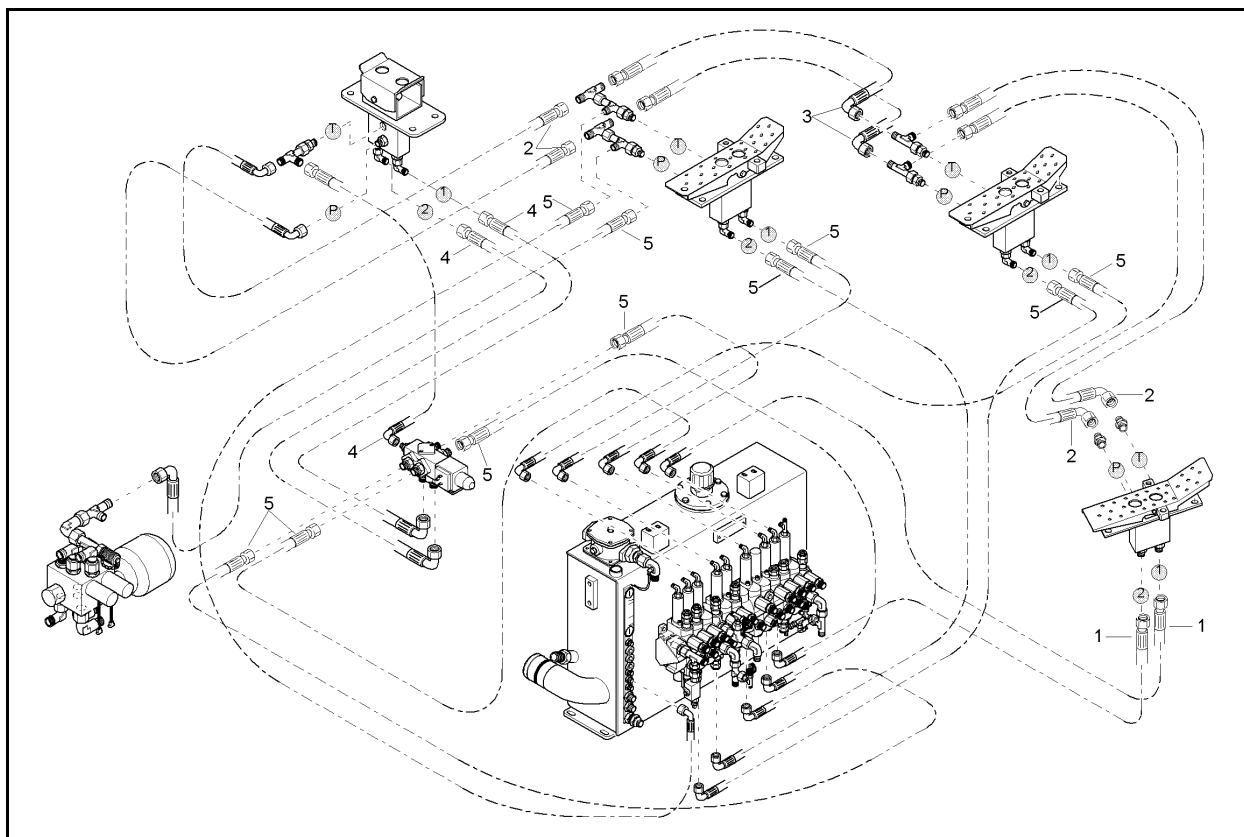


Ref. No.	Part No.	Description	Qty.
1	162959	HP HOSE	12
2	161479	SCREW JOINT	4
3	161465	TEE	2
4	161443	90° FITTING	2

Ref. No.	Part No.	Description	Qty.
5	161276	HP HOSE	10
6	164892	PROTECTION HOSE	2
7	161236	HP HOSE	1

502 - PILOT PRESSURE HOSE INSTALLATION

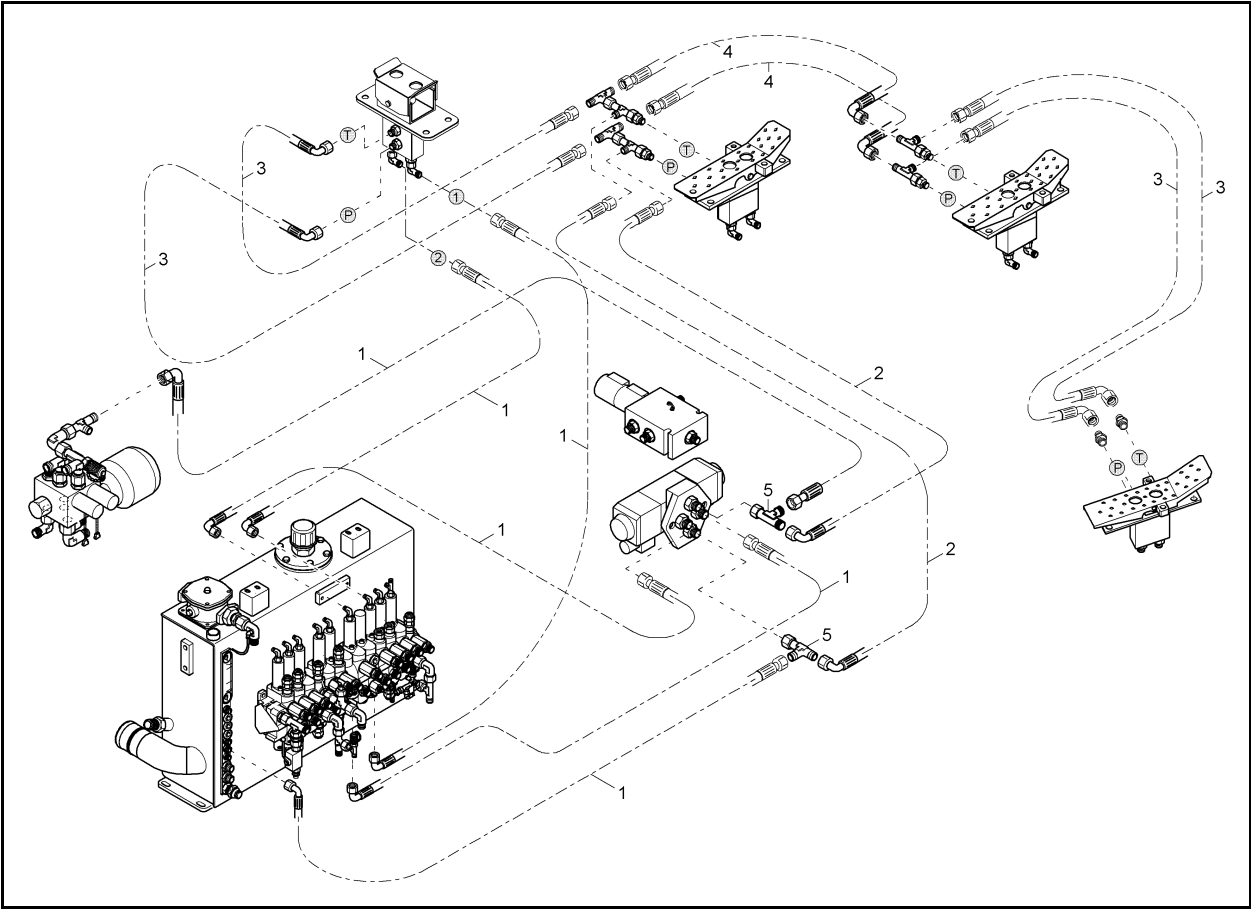
1000116382



Ref. No.	Part No.	Description	Qty.
1	161238	HP HOSE	2
2	161236	HP HOSE	4
3	161237	HP HOSE	2

Ref. No.	Part No.	Description	Qty.
4	161223	HP HOSE	3
5	161276	HP HOSE	10

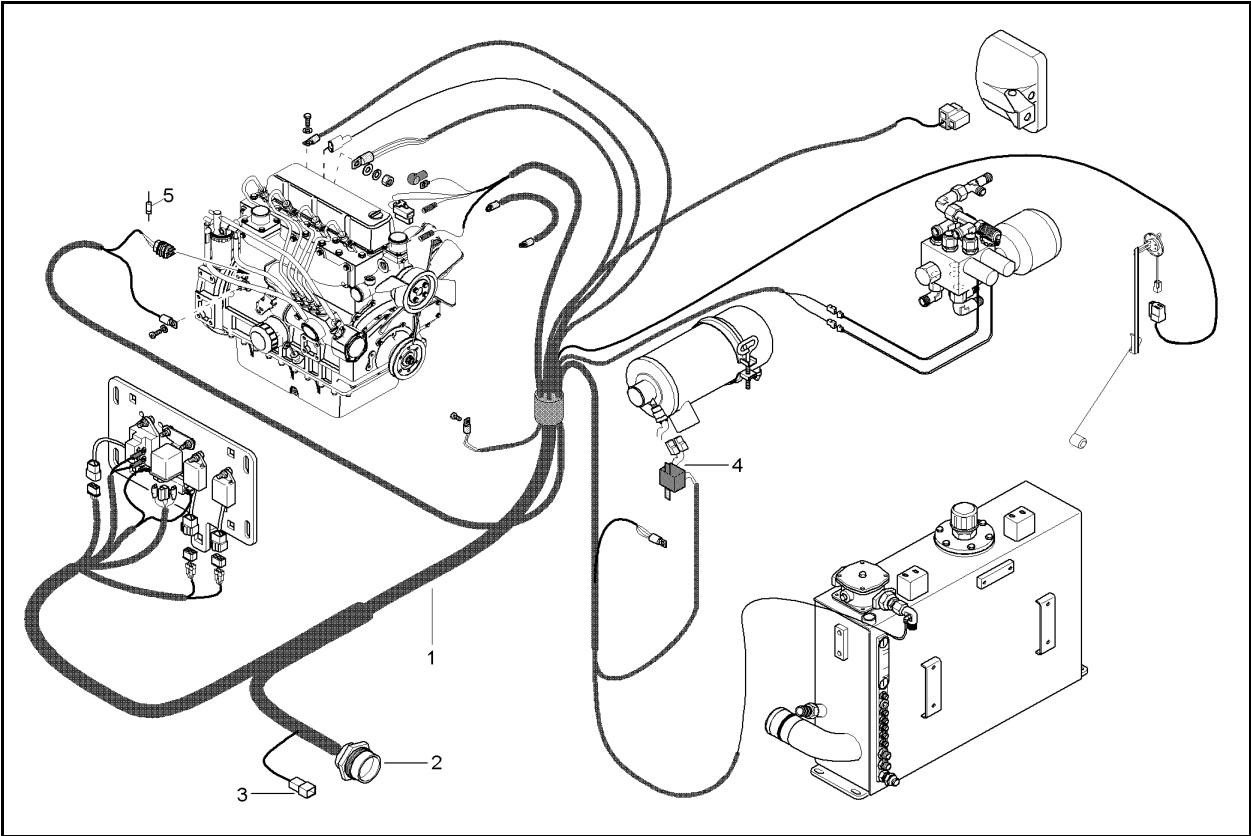
502 - ELECTRICAL AUXILIARY HOSE INSTALLATION (OPTION)
1000177354



Ref. No.	Part No.	Description	Qty.
1	161276	HP HOSE	6
2	161223	HP HOSE	2
3	161236	HP HOSE	4

Ref. No.	Part No.	Description	Qty.
4	161237	HP HOSE	2
5	161448	TEE	2

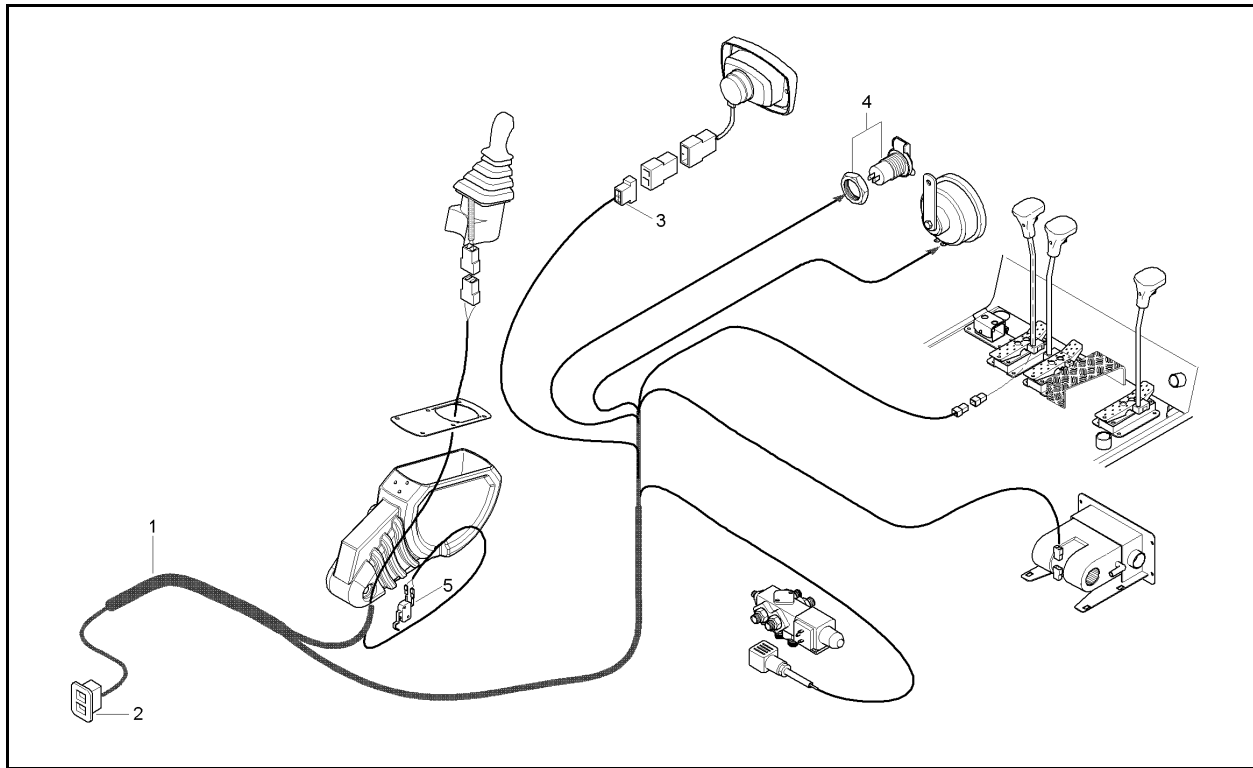
502 - ENGINE WIRE HARNESS
1000116389



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161105	WIRE HARNESS	1	4	161387	RELAY (10A)	1
2	162851	CONNECTOR	1	5	206064	DIODE	1
3	178170	CONNECTOR	1				

502 - LEFT CONSOLE WIRE HARNESS

1000116391

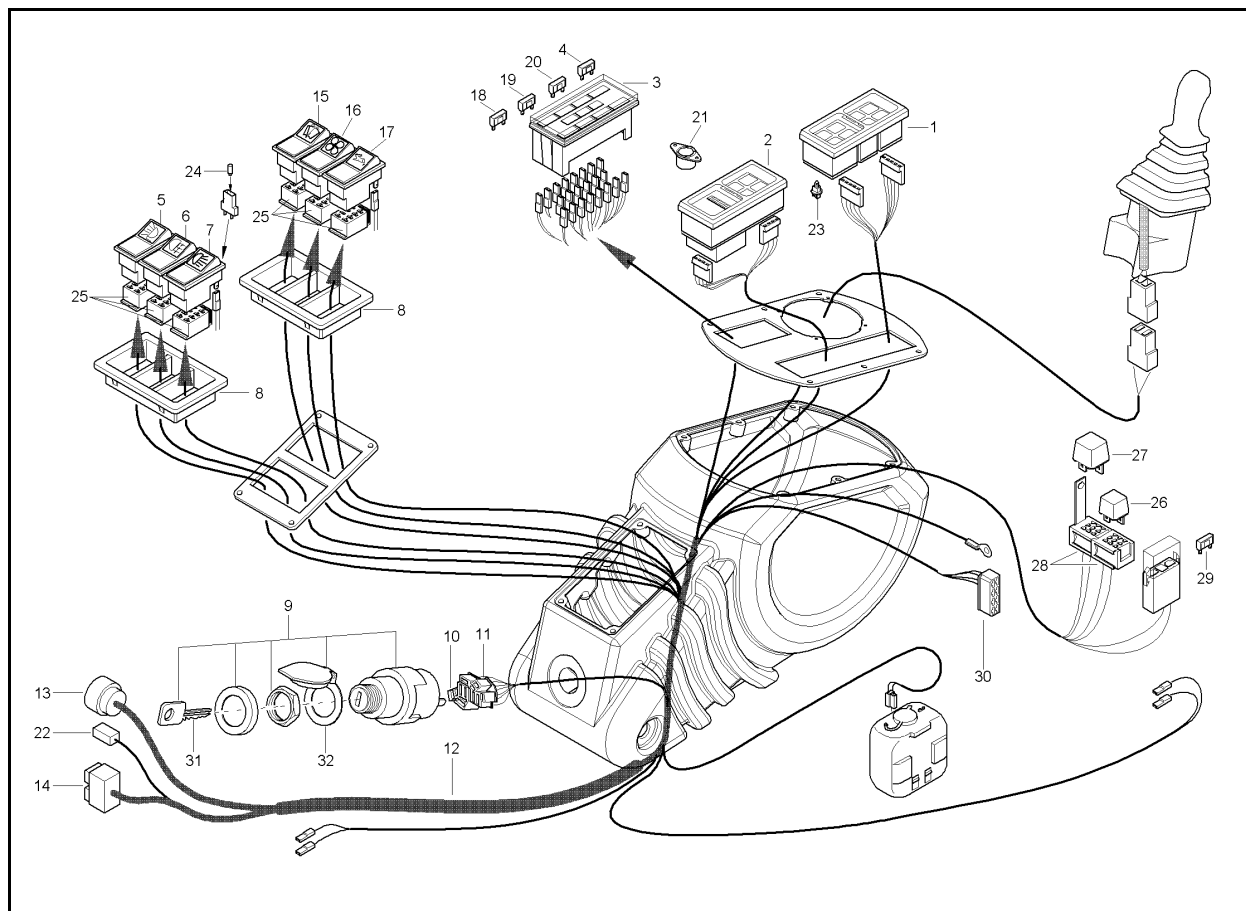


Ref. No.	Part No.	Description	Qty.
1	160867	ELECTRICS	1
2	162849	CONNECTOR	1
3	9709160G	PLUG	1

Ref. No.	Part No.	Description	Qty.
4	161732	SOCKET	1
5	161362	MICROSWITCH	1

502 - RIGHT CONSOLE WIRE HARNESS

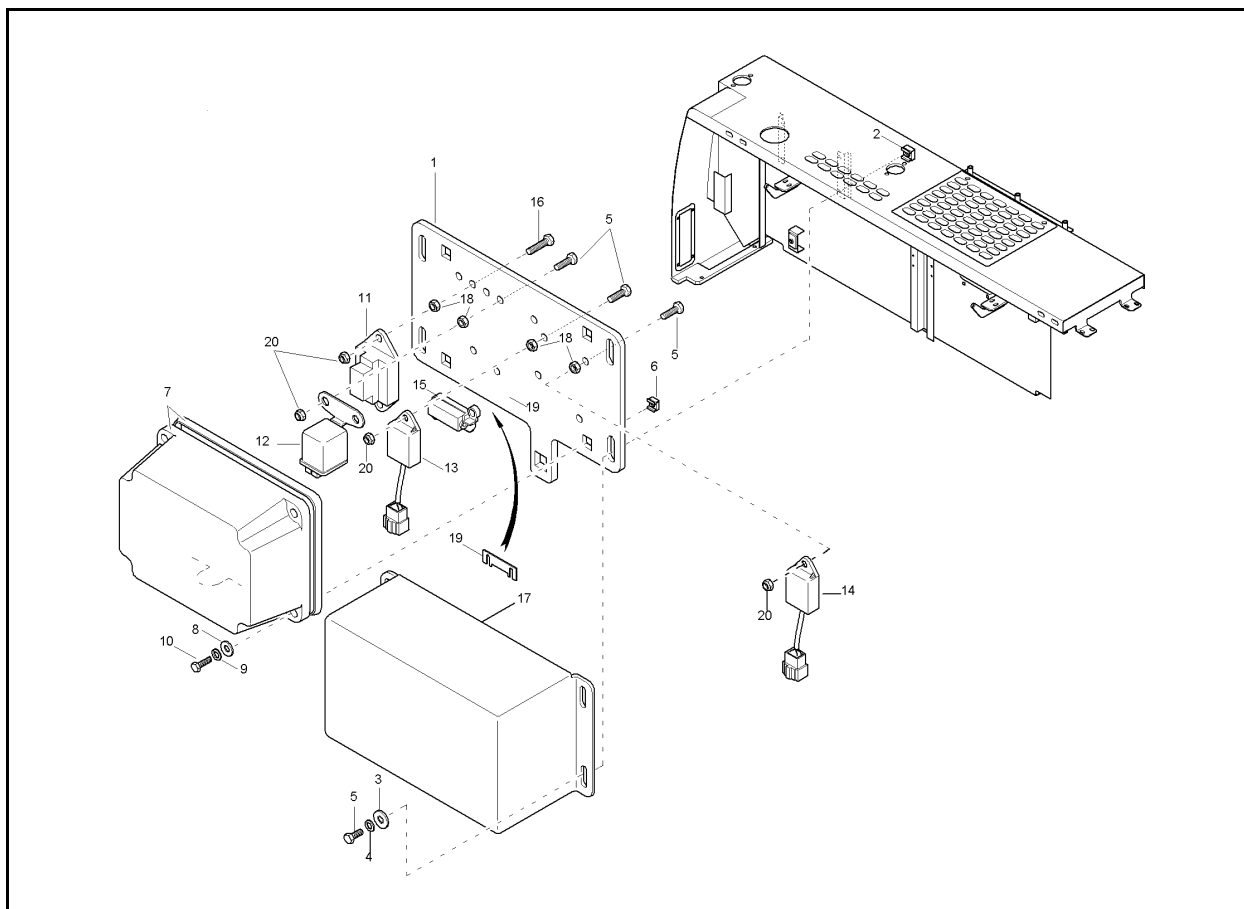
1000116394



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160744	CONTROL BOARD	1	17	162837	SWITCH	1
2	160535	CONTROL BOARD	1	18	161376	FUSE (7.5A)	3
3	161364	FUSE BOX	1	19	161374	FUSE (10A)	1
4	161375	FUSE (15A)	6	20	162836	FUSE (30A)	1
5	161377	SWITCH	1	21	161365	BUZZER	1
6	161378	SWITCH	1	22	162845	CONNECTOR	1
7	161372	SWITCH	1	23	161383	LAMP	1
8	208385	FRAME	2	24	161383	LAMP	1
9	0003331306	PREHEATING STARTER SWITCH w/KEYS	1	25	0000800812	PLUG	3
10	0003335165	CENTRAL PLUG 9.5mm	1	26	161385	RELAY	1
11	0003336211	PLUG	1	27	161385	RELAY	1
12	160867	ELECTRICS	1	28	161386	RELAY BRACKET	2
13	162843	CONNECTOR	1	29	162838	FUSE (40A)	1
14	162844	CONNECTOR	1	30	162847	CONNECTOR	1
15	161369	SWITCH	1	31	160713	KEYS	1
16	161370	SWITCH	1	32	161368	COVER	1

502 - RELAY BOX

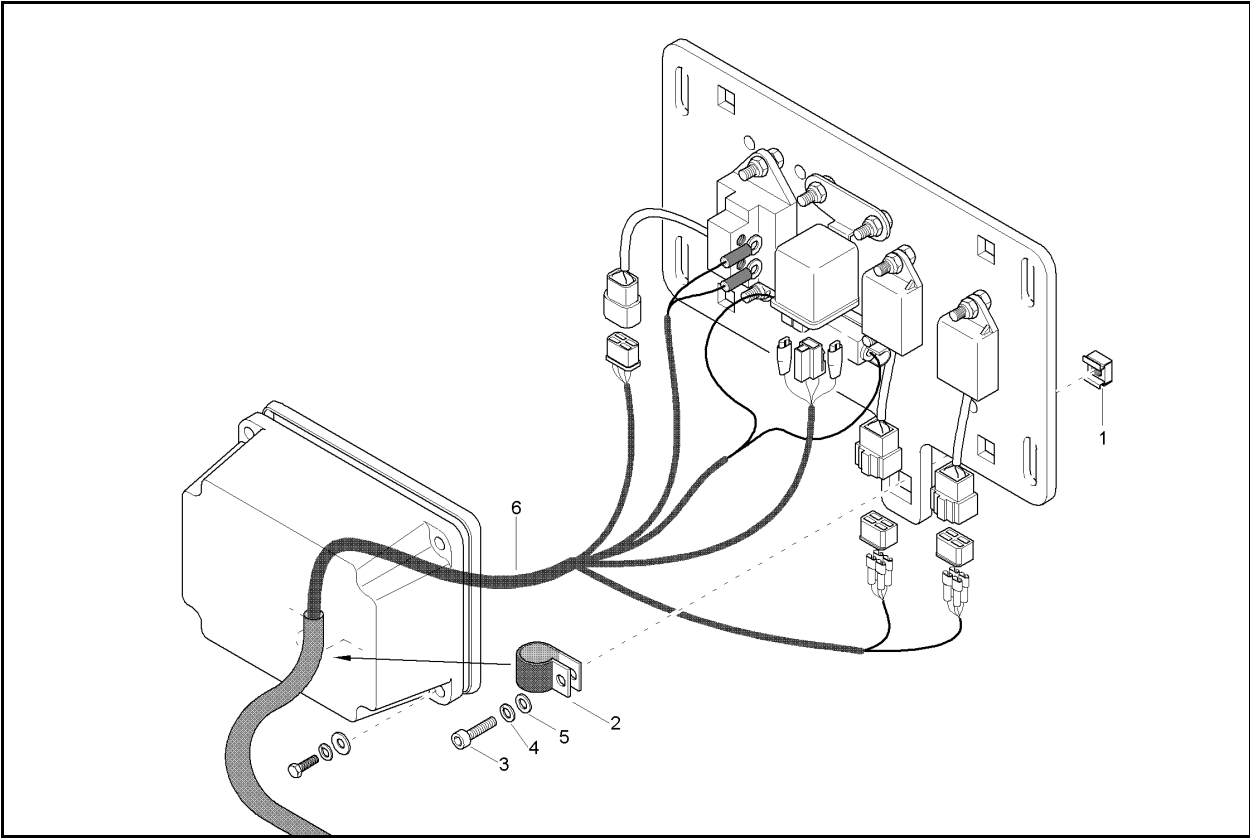
1000116397



Ref. No.	Part No.	Description	Qty.
1	162717	PLATE/RELAY	1
2	161613	CAGE NUT M6	4
3	161660	WASHER GR A6.4 ZO DIN125	4
4	161675	LOCKWASHER S6	4
5	651424	CS M6-1 X 20 C8.8 ZY	12
6	161612	CAGE NUT M5	4
7	162727	COVER	1
8	161659	WASHER GR A5.3 ZO DIN125	4
9	161674	LOCKWASHER S16	4
10	651423	CS M5-0.8 X 25 C8.8 ZY	4
11	160890	RELAY	1

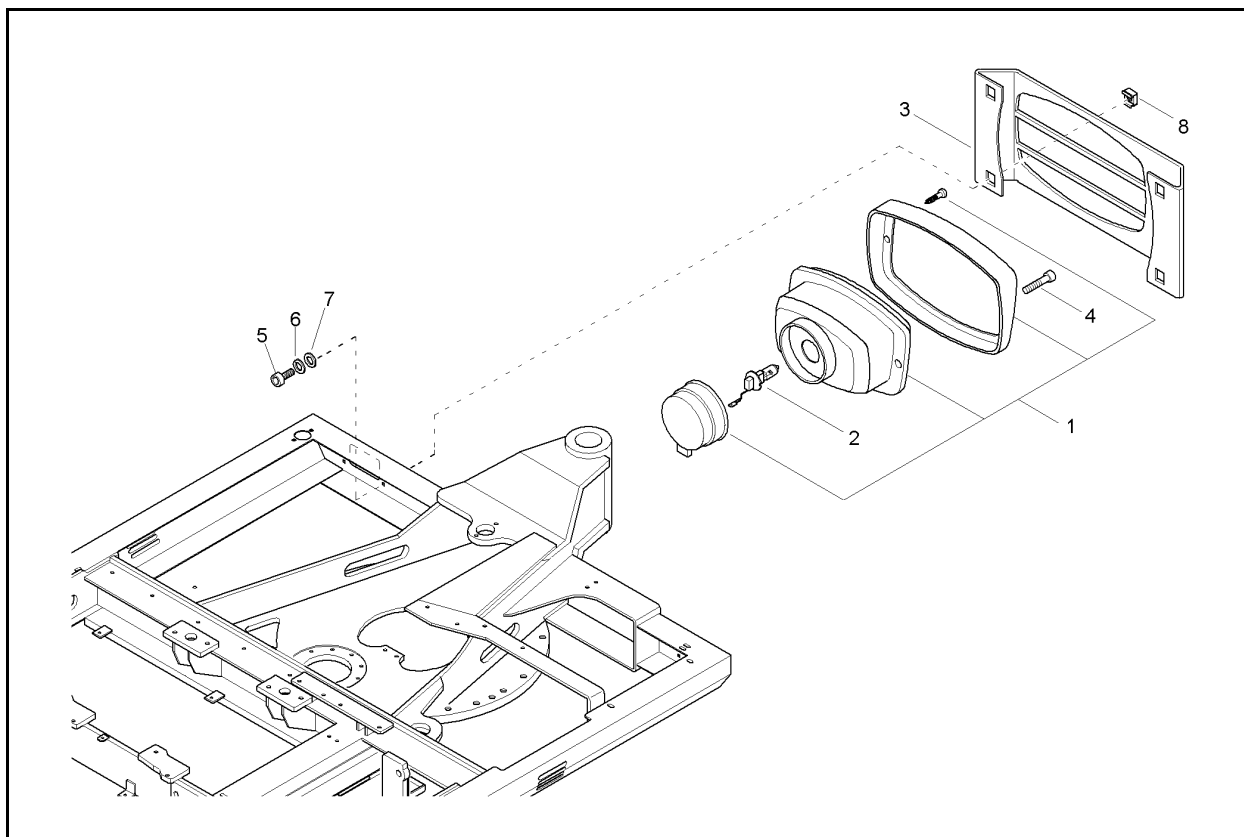
Ref. No.	Part No.	Description	Qty.
12	160889	RELAY	1
13	160891	RELAY (10A)	1
14	160821	RELAY (10A)	1
15	160888	RELAY	1
16	162025	SCREW	2
17	160901	RELAY/PROTECTION 4501179 (SN AB01225 and up)	1
18	656047	HN M6-1 C8 ZY	6
19	179742	FUSE	1
20	651457	LN INS M6-1 C8 ZY	6

502 - RELAY BOX INSTALLATION
1000116398



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161616	CAGE NUT M8	1	4	163670	WASHER	1
2	162608	HOSE CLAMP	1	5	163634	WASHER	1
3	177648	HEX SCREW	1	6	161105	WIRE HARNESS	1

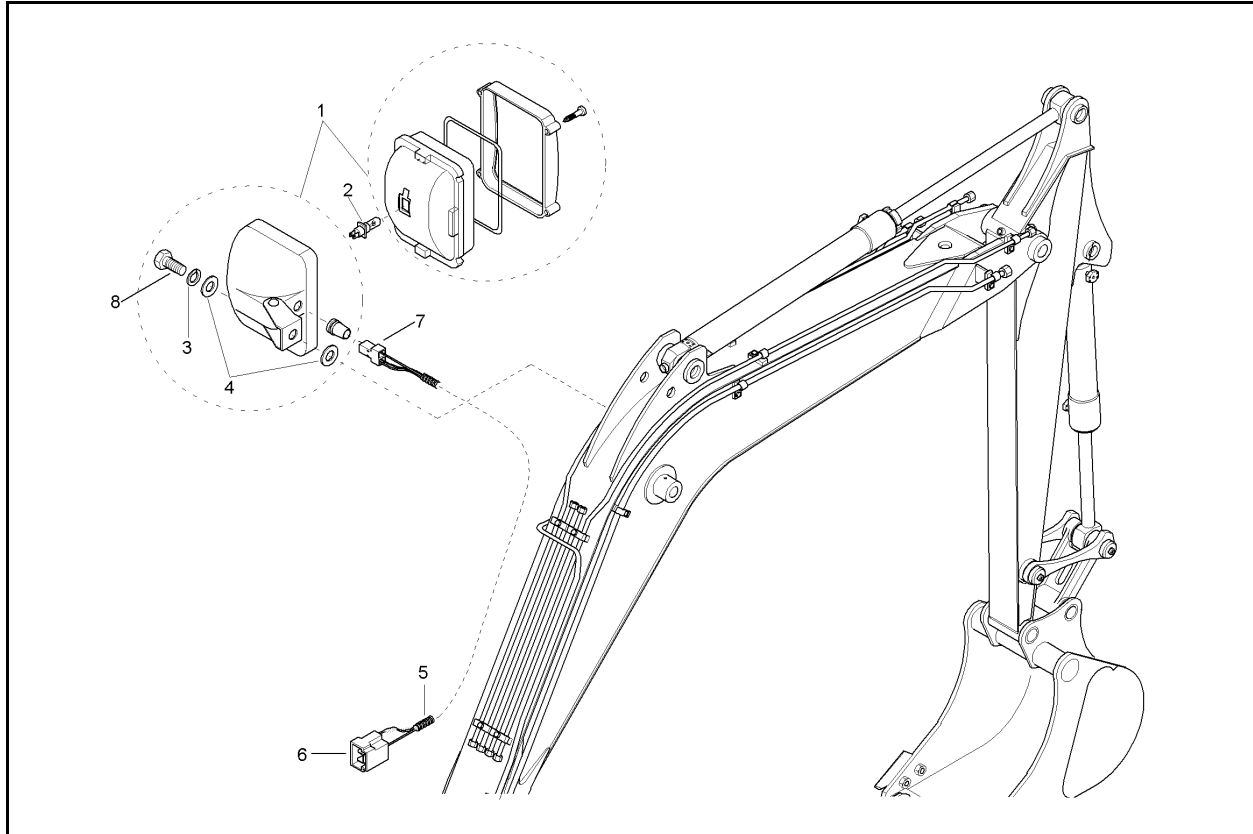
502 - CHASSIS HEADLIGHT 1000116410



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161381	LIGHT	1	5	651506	SHCS M6-1 X 16 C8.8 ZY	4
2	161367	HALOGEN LIGHT	1	6	161675	LOCKWASHER S6	4
3	205216	LIGHT COVER	1	7	7462680008	WASHER	4
4	651501	SHCS M4-0.7 X 30 C8.8 ZY	2	8	161614	CAGE NUT M6	4

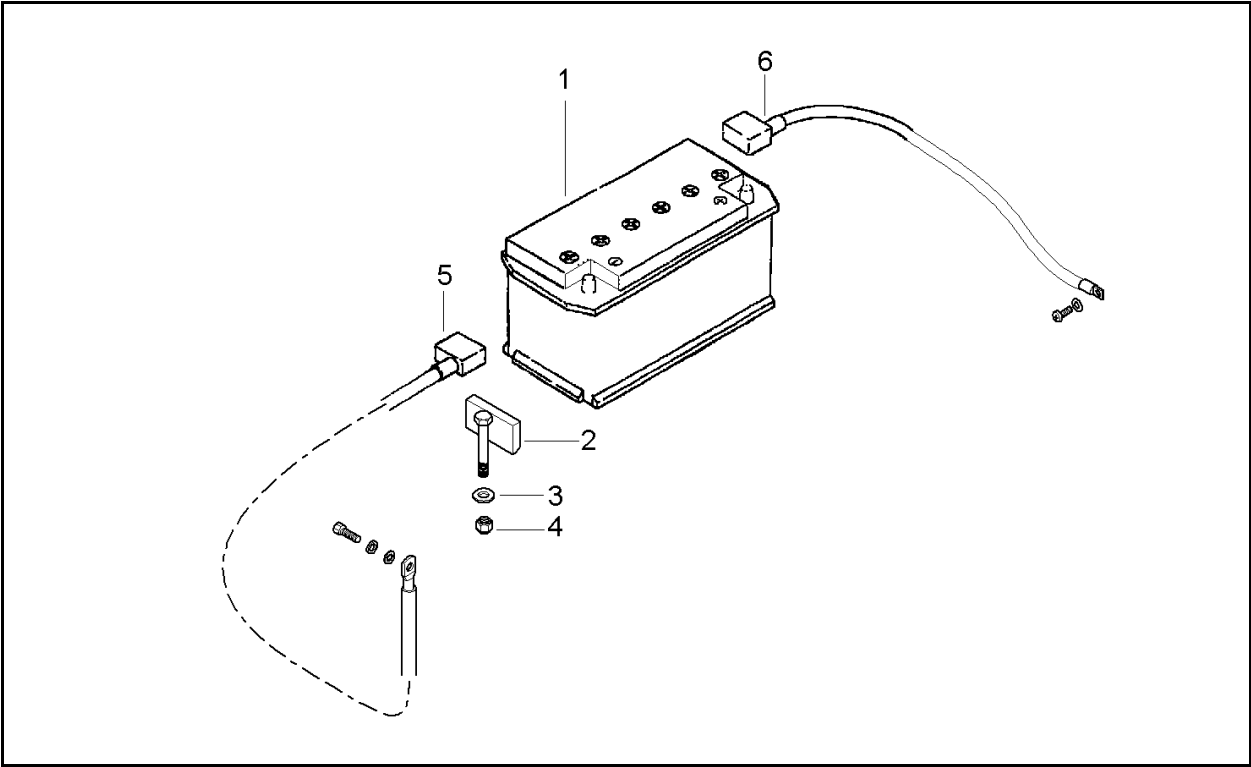
502 - BOOM HEADLIGHT

1000116411



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160951	WORKING LIGHT	1	5	161108	WIRE HARNESS	1
2	161367	HALOGEN LIGHT	1	6	162002	PLUG	1
3	161669	LOCKWASHER S10	1	7	162852	CONNECTOR	1
4	161640	WASHER GR A10.5	2	8	179758	SCREW	1

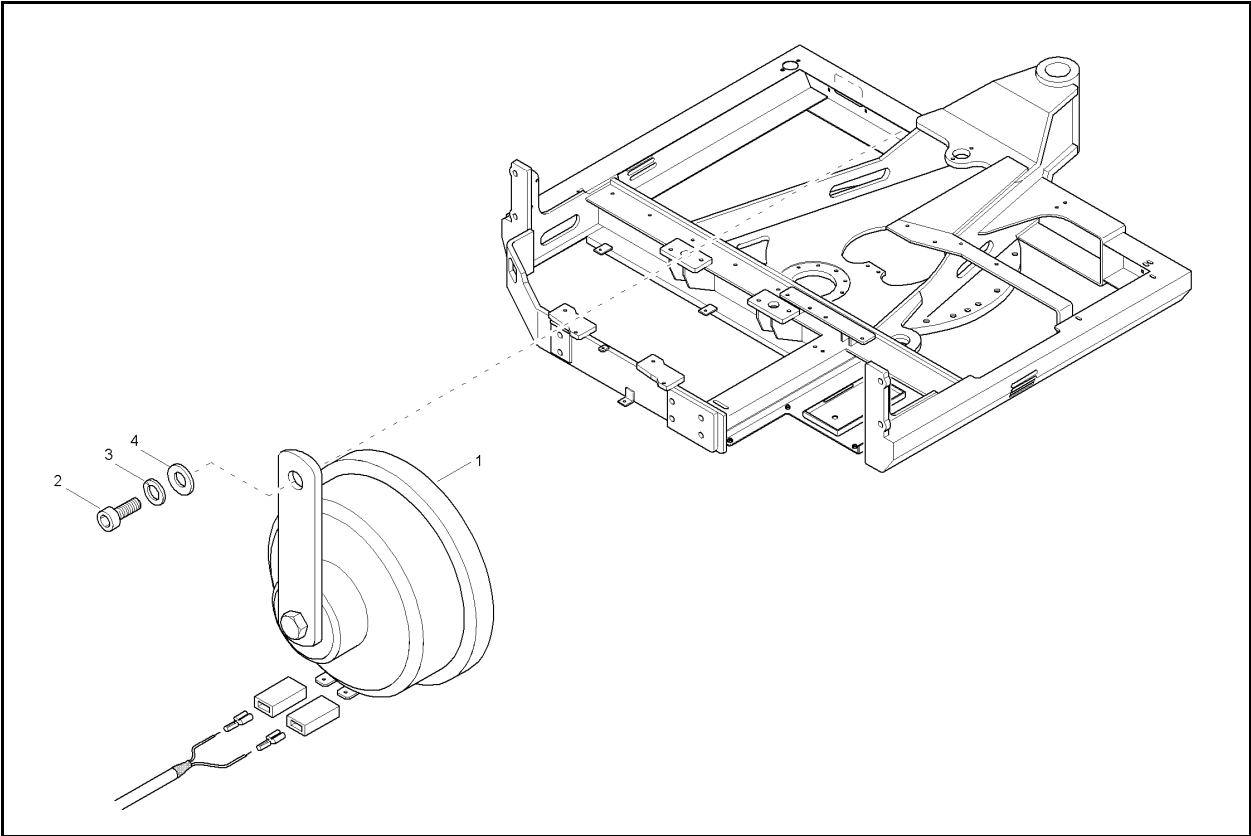
502 - BATTERY
1000116412



Ref. No.	Part No.	Description	Qty.
1	*	BATTERY	
2	162735	SCREW	1
3	7462680011	WASHER 8.4 ST A2C	1
4	651458	LN INS M8-1.25 C8 ZY	1

Ref. No.	Part No.	Description	Qty.
5	162818	CABLE	1
6	162817	CABLE	1

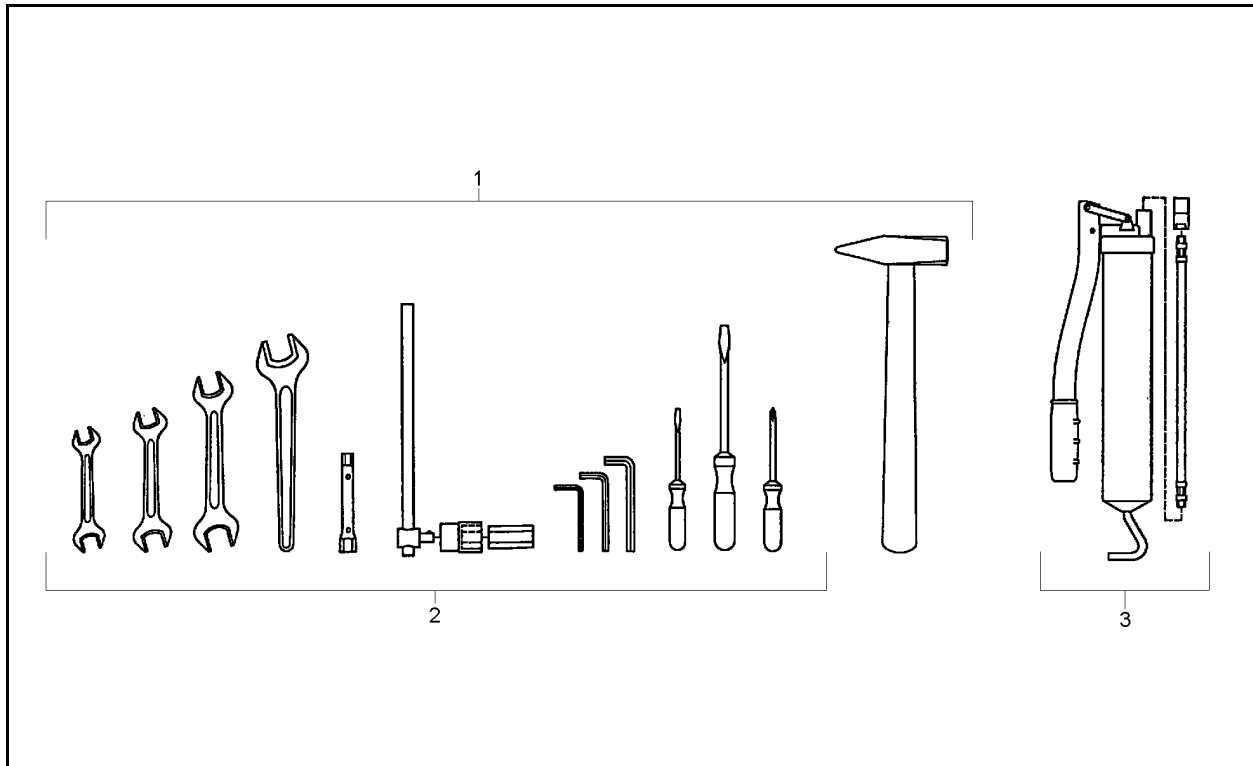
* Purchase locally; group size 49, 680 CCA.



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161366	HORN	1	3	163670	WASHER	1
2	656093	CS M8-1.25 X 16 C8.8 ZY	1	4	7462680011	WASHER 8.4 ST A2C	1

502 - TOOLS

1000116418



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161988	TOOL KIT w/HAMMER	1	3	161992	GREASE GUN	1
2	177855	TOOK KIT w/o HAMMER	1				

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656008	31	4
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656047	25	33
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656093	110	2
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656100	24	10
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656100	35	8
656102	19	34
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656105	26	9
656105	27	7
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7462680011	109	3
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7788010663	44	18
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425-34683	46	6
425-34683	55	7
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425-36091	58	16
425-36092	60	25
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TORQUE SPECIFICATIONS

Note: Use these torque values when tightening Gehl hardware (excluding: locknuts and self-tapping, thread forming and sheet metal screws) unless specified otherwise.

Hydraulic fittings with various seals (light application). All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M10X1.0	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (10 mm)
M12X1.5	15 (20)	18 (25)	18 (25)	18 (25)	0.5 in. (12 mm)
M14X1.5	26 (35)	33 (45)	26 (35)	26 (35)	0.6 in. (14 mm)
M16X1.5	33 (45)	41 (55)	30 (40)	37 (50)	0.6 in. (16 mm)
M18X1.5	41 (55)	52 (70)	33 (45)	52 (70)	0.7 in. (18 mm)
M22X1.5	48 (65)	92 (125)	44 (60)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	74 (100)	107 (145)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	118 (160)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (48 mm)
G1/8A	7 (9)	13 (18)	11 (15)	13 (18)	0.4 in. (9.73 mm)
G1/4A	26 (35)	26 (35)	22 (30)	26 (35)	0.5 in. (13.16 mm)
G3/8A	33 (45)	52 (70)	33 (45)	37 (50)	0.7 in. (16.66 mm)
G1/2A	48 (65)	66 (90)	41 (55)	48 (65)	0.8 in. (20.96 mm)
G3/4A	66 (90)	133 (180)	74 (100)	103 (140)	1.0 in. (26.44 mm)
G1A	111 (150)	229 (310)	118 (160)	140 (190)	1.3 in. (33.25 mm)
G1 1/4A	177 (240)	332 (450)	155 (210)	266 (360)	1.7 in. (41.91 mm)
G1 1/2A	214 (290)	398 (540)	192 (260)	398 (540)	1.9 in. (47.80 mm)

Hydraulic fittings with various seals (heavy application). All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Straight pipe fitting with thread and screwed plug (GE)			Non-return valve with elastic seal	Identification aid outside Ø
	Sealing washer	Elastic seal	O-ring		
M12X1.5	15 (20)	26 (35)	26 (35)	26 (35)	0.5 in. (12 mm)
M14X1.5	26 (35)	41 (55)	33 (45)	33 (45)	0.6 in. (14 mm)
M16X1.5	33 (45)	52 (70)	41 (55)	41 (55)	0.6 in. (16 mm)
M18X1.5	41 (55)	66 (90)	52 (70)	52 (70)	0.7 in. (18 mm)
M20X1.5	41 (55)	92 (125)	59 (80)	74 (100)	0.8 in. (20 mm)
M22X1.5	48 (65)	100 (135)	74 (100)	92 (125)	0.9 in. (22 mm)
M27X2.0	66 (90)	133 (180)	125 (170)	100 (135)	1.0 in. (27 mm)
M33X2.0	111 (150)	229 (310)	229 (310)	155 (210)	1.3 in. (33 mm)
M42X2.0	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (42 mm)
M48X2.0	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (48 mm)
G1/8A	26 (35)	41 (55)	33 (45)	33 (45)	0.5 in. (13.16 mm)
G1/4A	33 (45)	59 (80)	44 (60)	44 (60)	0.7 in. (16.66 mm)
G3/8A	48 (65)	85 (115)	55 (75)	74 (100)	0.8 in. (20.96 mm)
G1/2A	66 (90)	133 (180)	125 (170)	107 (145)	1.0 in. (26.44 mm)
G3/4A	111 (150)	229 (310)	229 (310)	192 (260)	1.3 in. (33.25 mm)
G1A	177 (240)	332 (450)	243 (330)	266 (360)	1.7 in. (41.91 mm)
G1 1/4A	214 (290)	398 (540)	310 (420)	398 (540)	1.9 in. (47.80 mm)

With coarse-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

With fine-pitch thread. All torque values are in lb.-ft. (Nm) unless marked otherwise.

Thread	Threads according to DIN 912, DIN 931, DIN 933, etc.			Threads according to DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)



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