

GEHL®

Form No.
918253
Revision A
Feb. 2008

283Z

Compact Excavator

Beginning Serial Number: AG00506



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 cabin.

"Right" and "left" are determined from a position sitting on the 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 the various fastener descriptions.

Standard attaching hardware torque values are also provided on the inside back cover. Metric torque values shown in the illustrations are in Newton-meters and can be 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 inclusions 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, nuts, and bolts are Grade 8.8, cadmium or zinc plated.

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

ASSD.....	Assembled
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
LN.....	Lock Nut
LT.....	Left
LW.....	Lock Washer
M.....	Meter or Meters
MM/mm.....	Millimeter
NPT.....	National Pipe Thread
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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NOTES

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

If there is a decal on a part that is to be replaced, be sure that the decal is applied to the replacement part. 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 the machine.

PAINT NOTICE

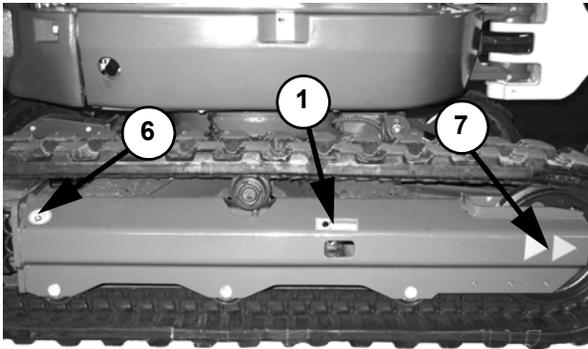
Use this list to order paint for refinishing:

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)

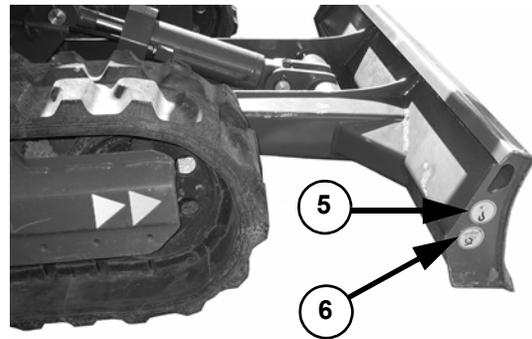
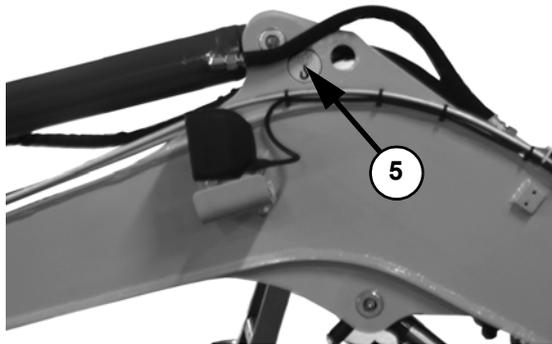
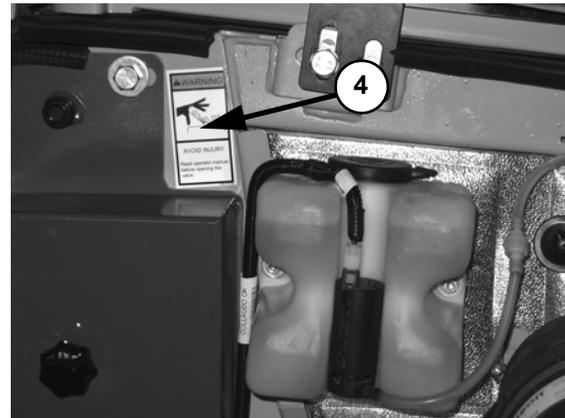
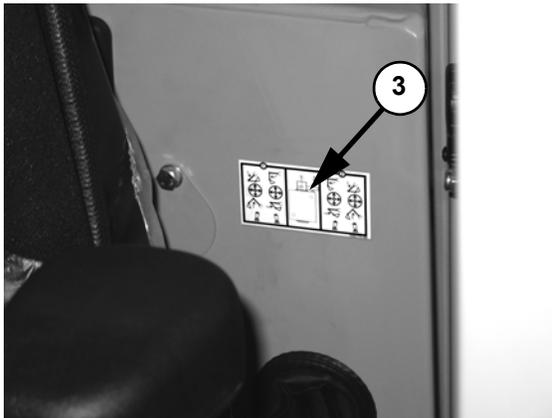
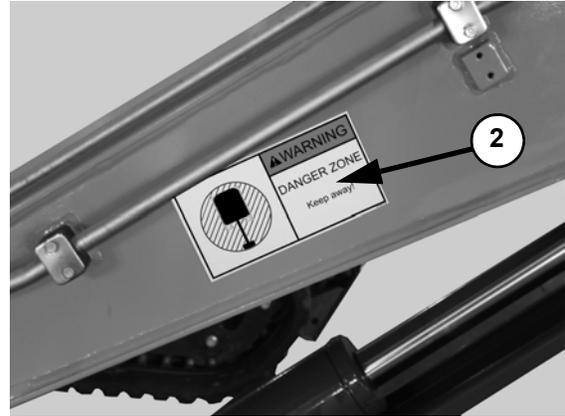
The decal kit for the model 283Z Compact Excavator is listed below:

Ref. No.	Part No.	Description & Quantity
	204699	Decal Kit - 283Z
1	163975	Decal/Warning Avoid Injury (2 Places)
2	161985	Decal/Warning Keep Away (2 Places)
3	201818	Decal/SAE/ISO Control
4	201819	Decal/Warning Avoid Injury
5	161981	Decal/Lift Point (4 Places)
6	161982	Decal/Tiedown Point (4 Places)
7	161970	Decal/Arrow (2 Places)
8	164854	Decal/Warning Avoid Injury
9	205854	Decal/Reflector (2 Places)
10	161965	Decal/Diesel Fuel
11	161969	Decal/Warning Hyd Reservoir
12	161966	Decal/Hydraulic Oil
13	163978	Decal/Warning Hot Surface
14	161987	Decal/Warning Rotating Fan
15	201820	Decal/Multi-Hazard
16	163976	Decal/Warning Avoid Injury
17	201817	Decal/Control Information
18	163973	Decal/Warning Mandatory Shutdown
19	161986	Decal/Warning Read Manual
20	201816	Decal/Lube Chart
21	183963	Decal/Gehl 3.75 x 15.92 (2 Places)
22	270173	Decal/283Z (2 Places)
23	184306	Decal/Gehl 4.75 X 20.16
24	184305	Decal/Gehl 2.75 X 11.67 (white)
25	175546	Decal/Zero Tail (Dark)
26	204518	Decal/Lift Capacity w/o Counterwt.
27	204519	Decal/Lift Capacity with Counterwt.

DECAL LOCATIONS



Both Sides (1, 6, 7)



Both Sides (5 & 6)

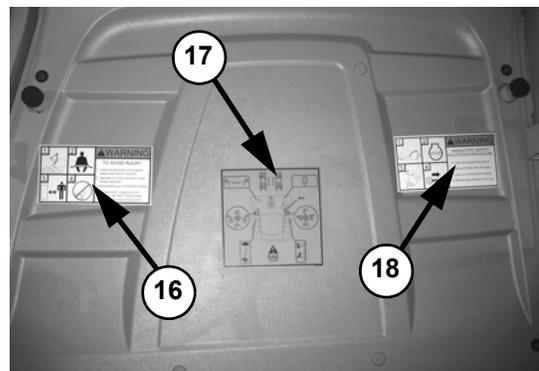
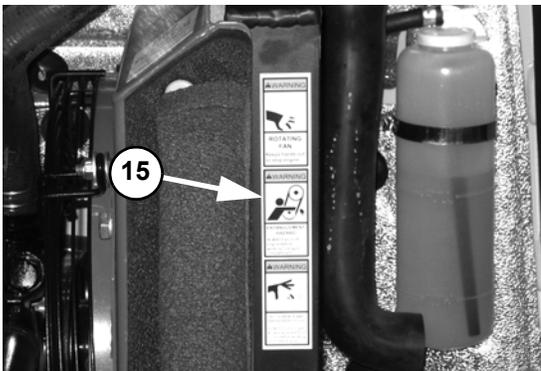
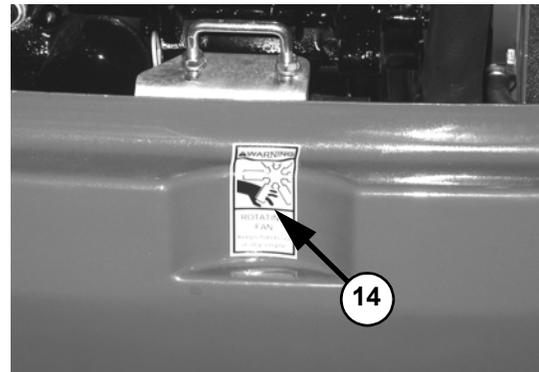
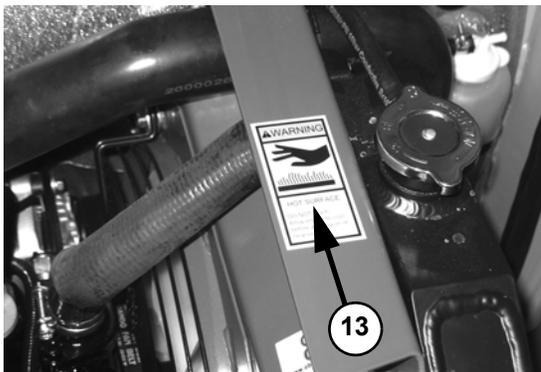
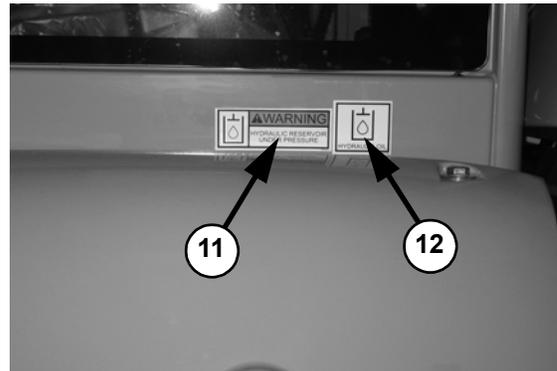
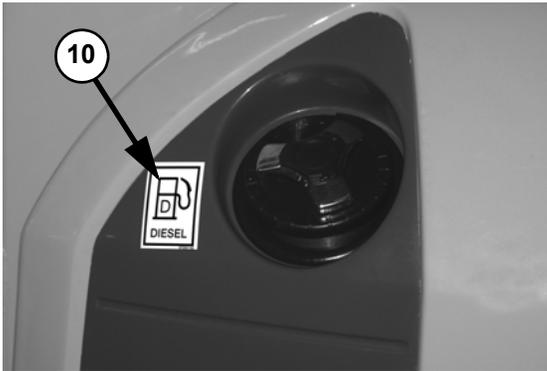


DECAL LOCATIONS

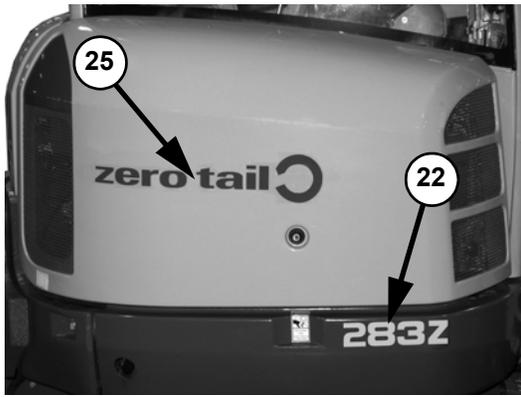
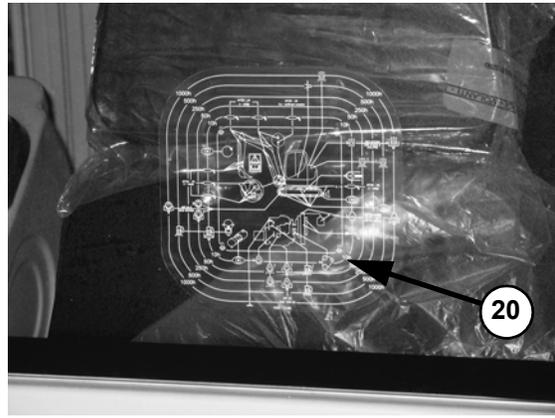
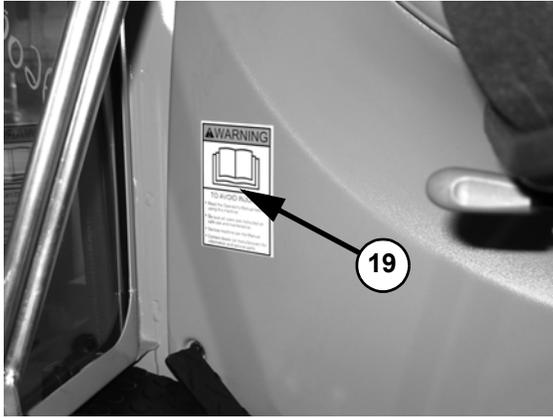
The decal listing has been repeated for your convenience.

Ref. No.	Part No.	Description & Quantity
	204699	Decal Kit - 283Z
1	163975	Decal/Warning Avoid Injury (2 Places)
2	161985	Decal/Warning Keep Away (2 Places)
3	201818	Decal/SAE/ISO Control
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10	161965	Decal/Diesel Fuel
11	161969	Decal/Warning Hyd Reservoir
12	161966	Decal/Hydraulic Oil

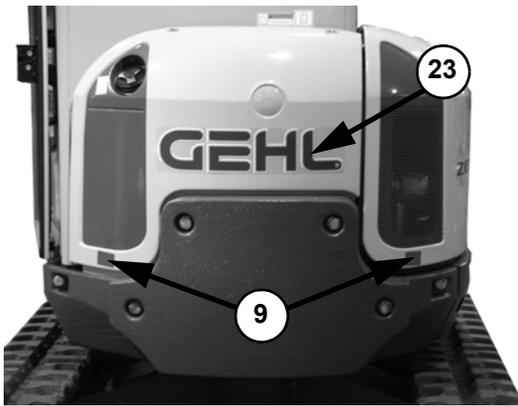
Ref. No.	Part No.	Description & Quantity
13	163978	Decal/Warning Hot Surface
14	161987	Decal/Warning Rotating Fan
15	201820	Decal/Multi-Hazard
16	163976	Decal/Warning Avoid Injury
17	201817	Decal/Control Information
18	163973	Decal/Warning Mandatory Shutdown
19	161986	Decal/Warning Read Manual
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21	183963	Decal/Gehl 3.75 x 15.92 (2 Places)
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25	175546	Decal/Zero Tail (Dark)
26	204518	Decal/Lift Capacity w/o Counterwt.
27	204519	Decal/Lift Capacity with Counterwt.



DECAL LOCATIONS



Both Sides (21 & 22)



26

283Z ME2803ZT		LIFTING CAPACITY ISO 10567		WARNING	
		11,5 ft	9,8 ft	8,2 ft	
lb	kg	Capacity (lb) / Capacity (kg)			
9,8 ft	1014*	892	936*	936*	
6,6 ft	992*	683	837	1036*	1036*
3,3 ft	1014*	628	1157*	804	1366*
0,0 ft	1036*	650	1276*	771	1587*
-3,3 ft	1058*	782	1047*	771	1433*
				947	1884*

capacity with long dipper arm

AUXILIARY HYDRAULIC FLOW and PRESSURE	
Pressure [psi]	218 580 870 1305 1740 2176 2611 2901
Flow [gpm]	13,8 13,4 12,7 11,5 10,3 8,8 7,1 3,2

100-7162

27

283Z ME2803ZT		LIFTING CAPACITY ISO 10567		WARNING	
		11,5 ft	9,8 ft	8,2 ft	
lb	kg	Capacity (lb) / Capacity (kg)			
9,8 ft	1014*	994*	936*	936*	
6,6 ft	992*	767	962*	934	1036*
3,3 ft	1014*	707	1157*	801	1366*
0,0 ft	1036*	731	1278*	868	1587*
-3,3 ft	1059*	879	1267*	868	1433*
				1064	1884*
				1373	

capacity with long dipper arm with counterweight

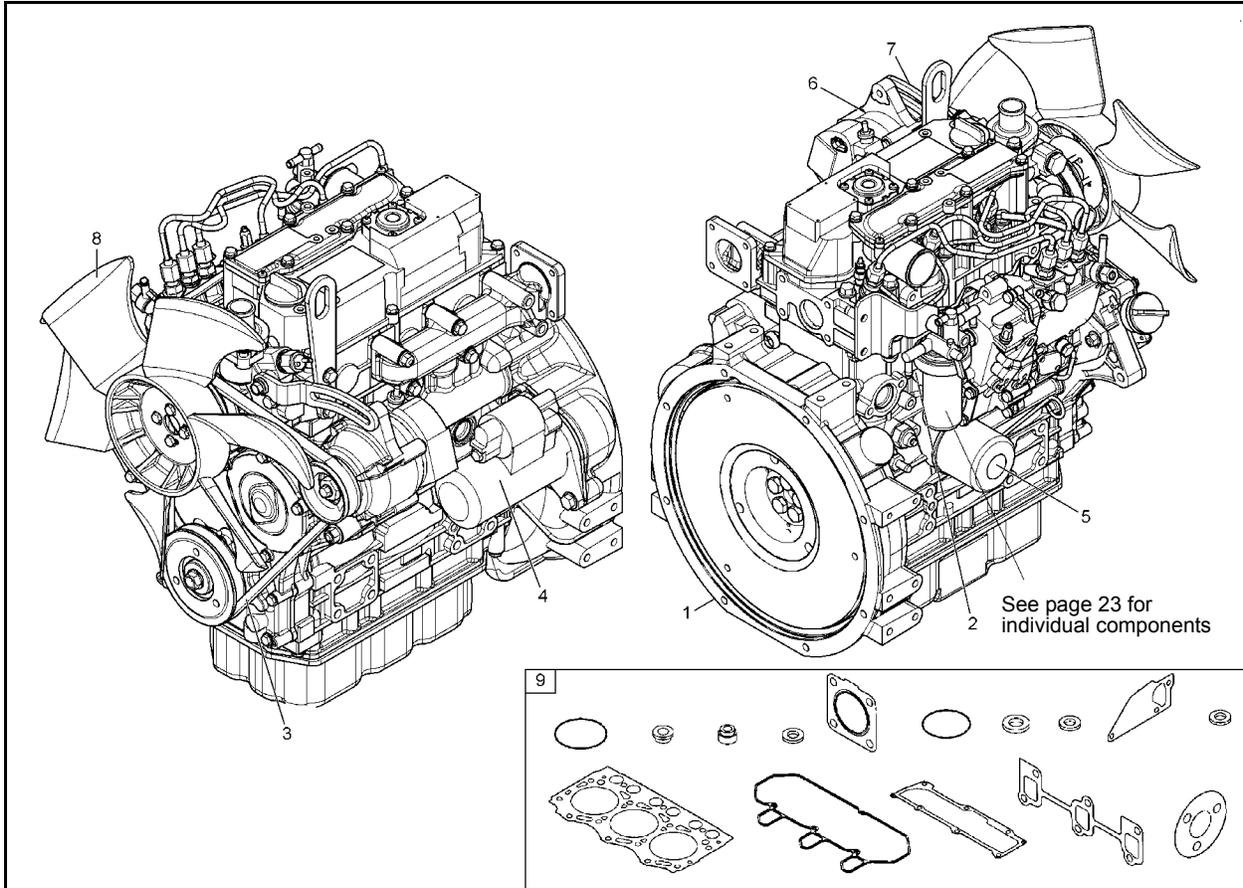
AUXILIARY HYDRAULIC FLOW and PRESSURE	
Pressure [psi]	218 580 870 1305 1740 2176 2611 2901
Flow [gpm]	13,8 13,4 12,7 11,5 10,3 8,8 7,1 3,2

100-7162

NOTES

283Z - DIESEL ENGINE

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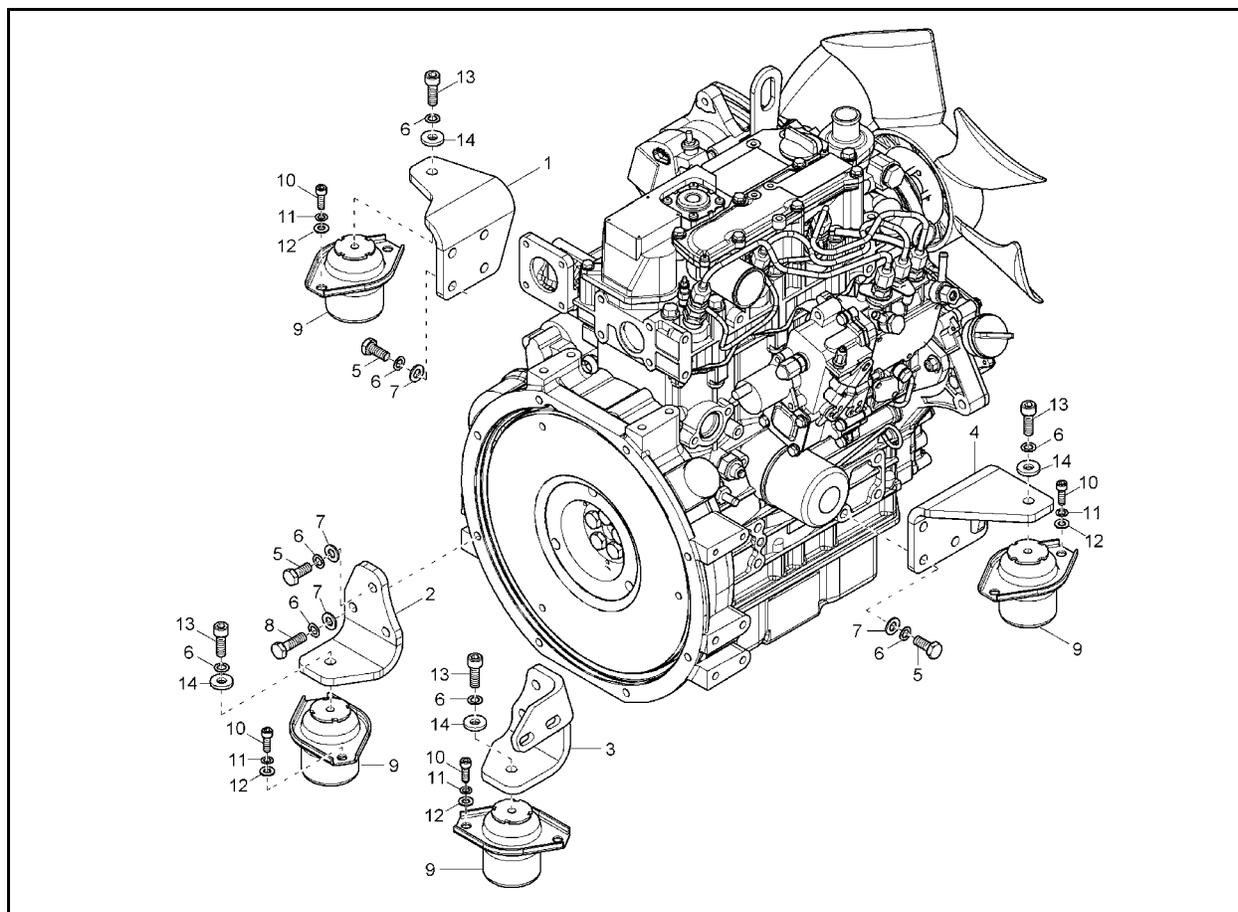


Ref. No.	Part No.	Description	Qty.
1	201553	BASIC ENGINE	1
2	189575	SOLENOID/STOP	1
3	206205	FAN BELT	1
4	206206	STARTER	1
5	178677	OIL FILTER	1

Ref. No.	Part No.	Description	Qty.
6	179057	GENERATOR	1
7	201554	CLAMP BAR	1
8	201555	FAN	1
9	206209	SEAL KIT	1

283Z - ENGINE MOUNTS

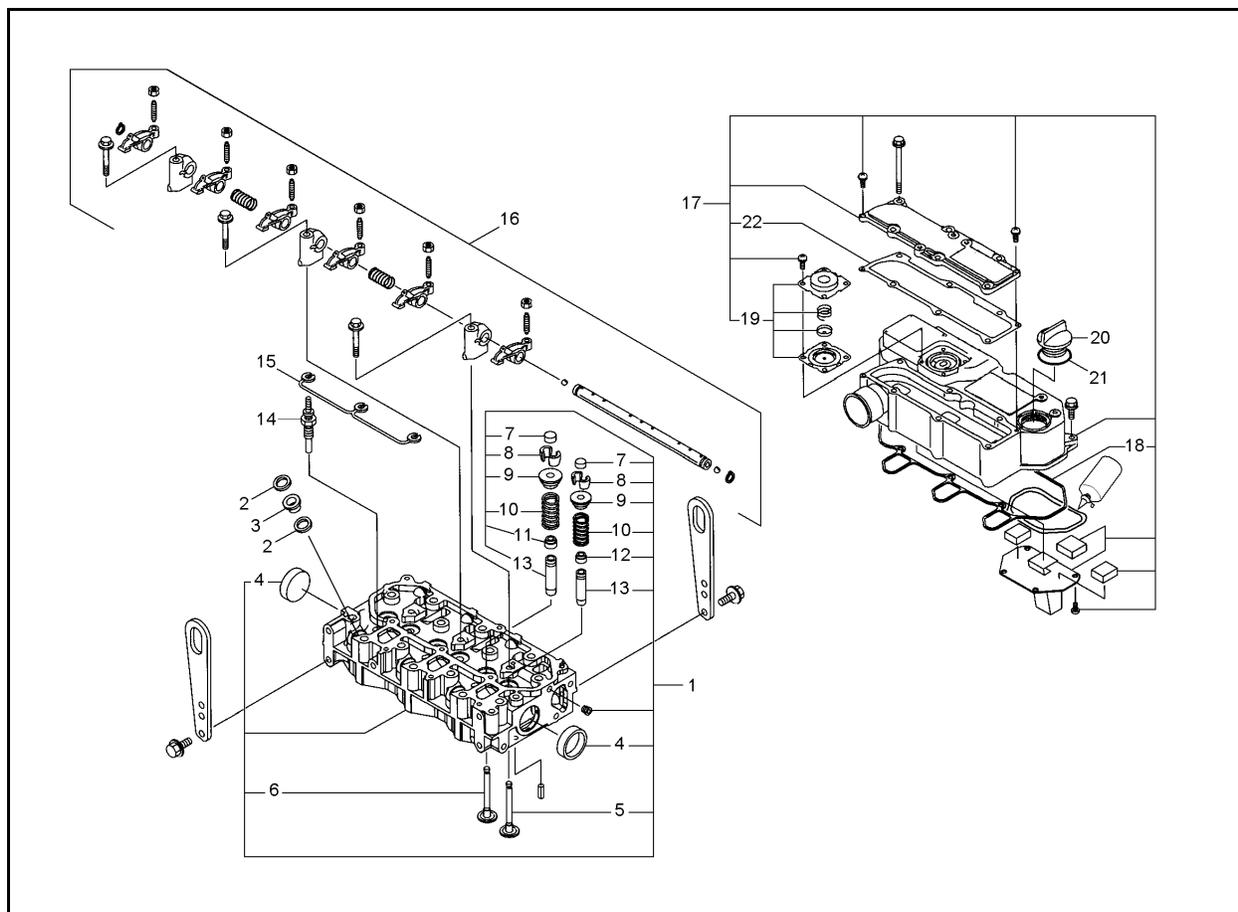
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201556	ENGINE MOUNT	1	8	651397	CS M10-1.5X35 C8.8 ZY	2
2	201558	ENGINE MOUNT	1	9	160645	MOTOR MOUNT	4
3	201557	ENGINE MOUNT	1	10	651516	SHCS M8-1.25X25 C8.8 ZY DIN912	8
4	162393	ENGINE MOUNT	1	11	163670	LOCKWASHER	9
5	651393	CS M10-1.5X25 C8.8 ZY	12	12	163634	WASHER	8
6	161669	LOCKWASHER S10	18	13	162022	SCREW	4
7	161640	WASHER/GR A 10.5	14	14	163642	WASHER	4

283Z - CYLINDER HEAD, VALVE COVER

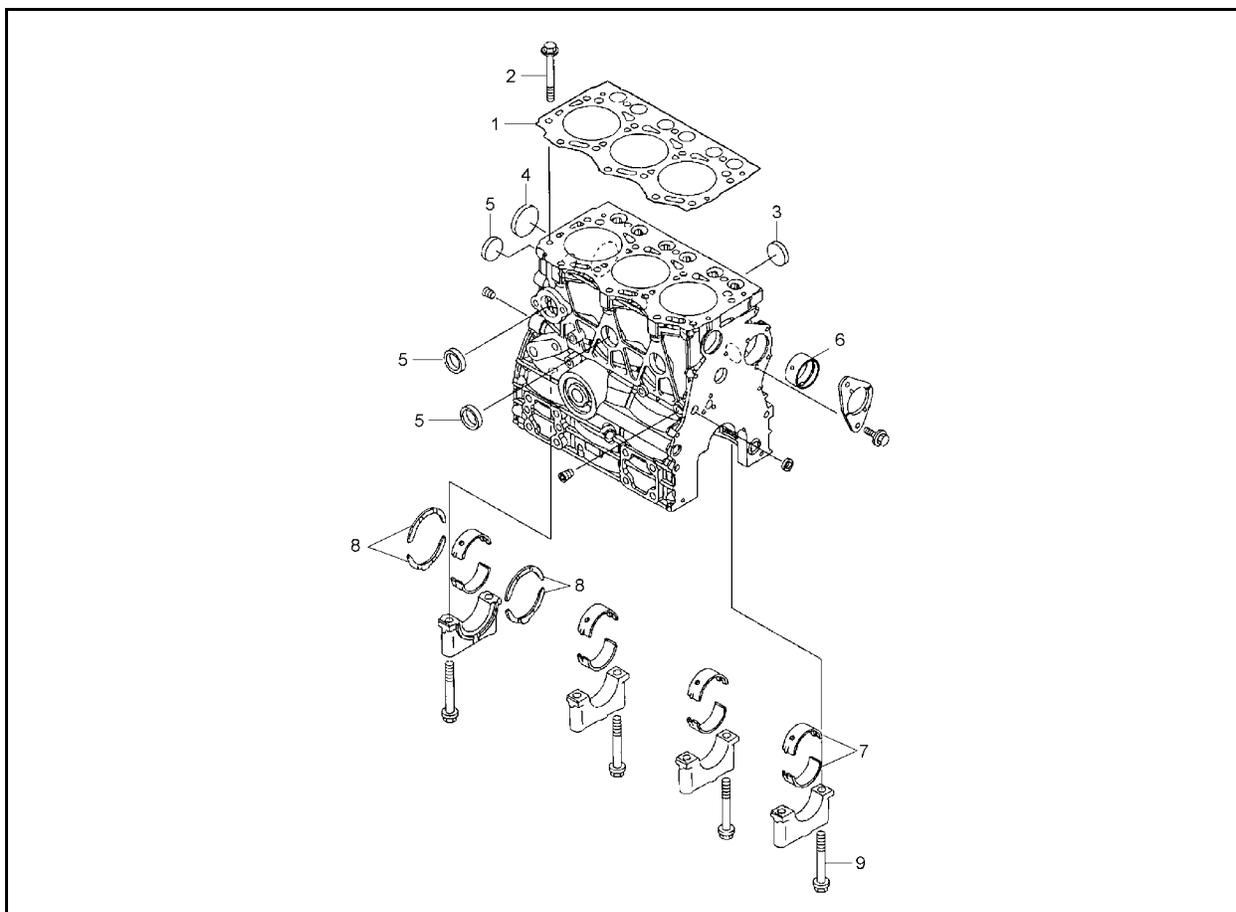
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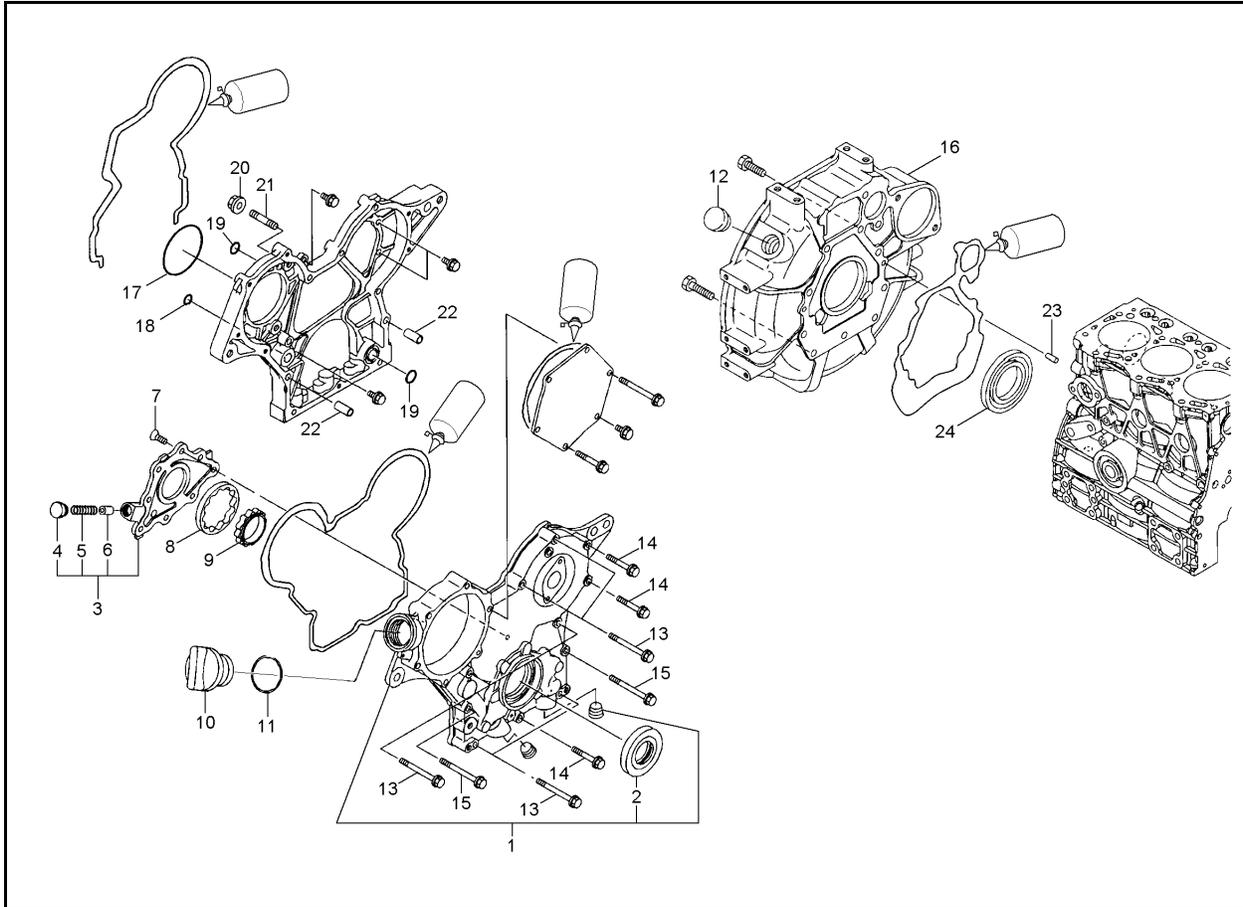
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206211	CYLINDER HEAD	1	12	206221	VALVE STEM SEAL	3
2	178294	SEAL	6	13	206222	VALVE	6
3	206212	GUARD	3	14	206223	GLOW PIN	3
4	206213	PLUG	2	15	206224	CABLE	1
5	206214	INTAKE VALVE	3	16	206225	SHAFT	1
6	206215	EXHAUST VALVE	3	17	206226	VALVE COVER	1
7	206216	VALVE CAP	6	18	206227	VALVE COVER SEAL	1
8	206217	CLAMP	12	19	206229	DIAPHRAGM	1
9	206218	SPACER	6	20	164662	FILLER CAP	1
10	206219	SPRING	6	21	177242	O-RING	1
11	206220	VALVE STEM SEAL	3	22	206228	SEAL	1

283Z - CYLINDER BLOCK

1000148834

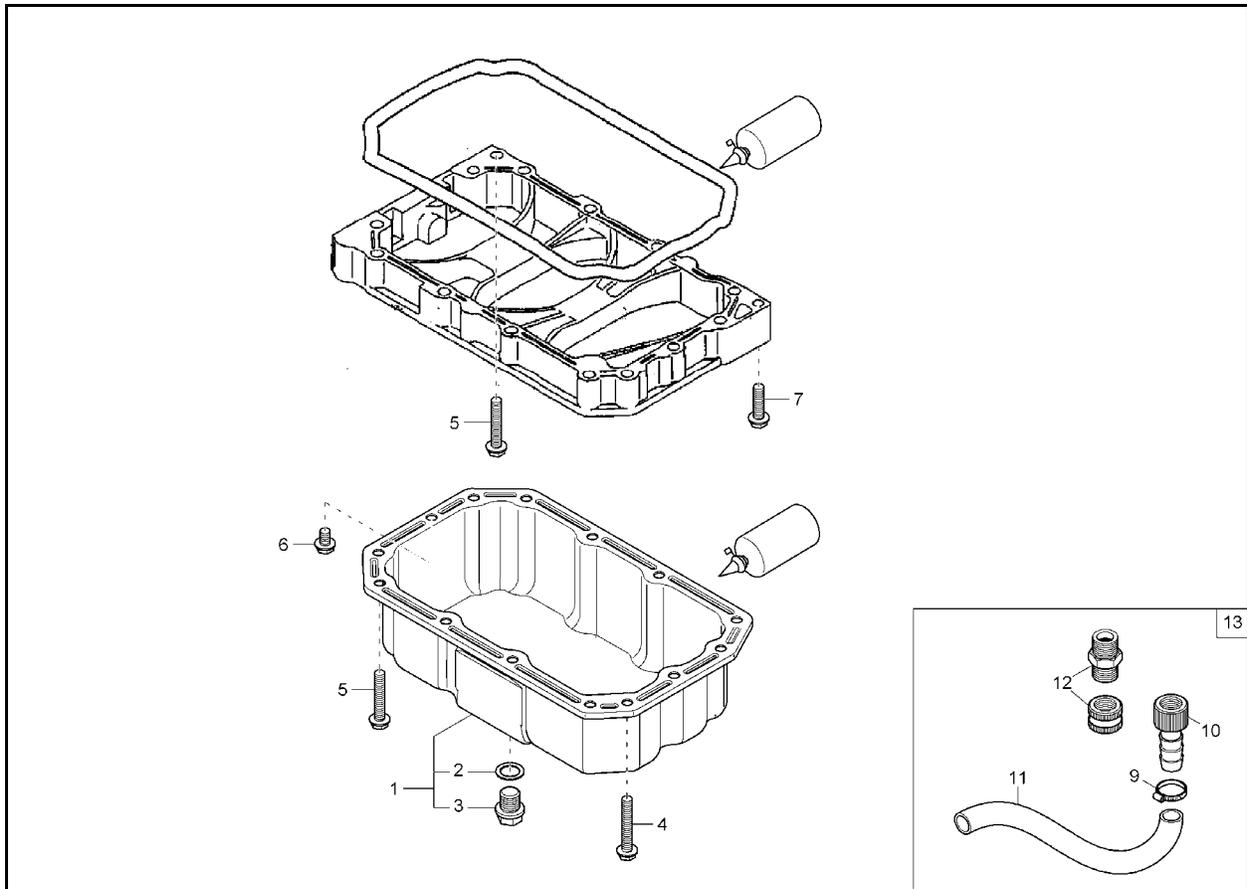


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206230	CYLINDER HEAD GASKET	1	7	206237	MAIN BEARING SET	4
2	206231	CYLINDER HEAD SCREW	14		206238	MAIN BEARING SET (US=0.25)	4
3	206232	PLUG	3	8	206235	AXIAL BEARING	2
4	206233	PLUG	1		206236	AXIAL BEARING (OS=0.25)	2
5	206234	PLUG	4	9	178323	SCREW	8
6	201568	BUSHING	1				



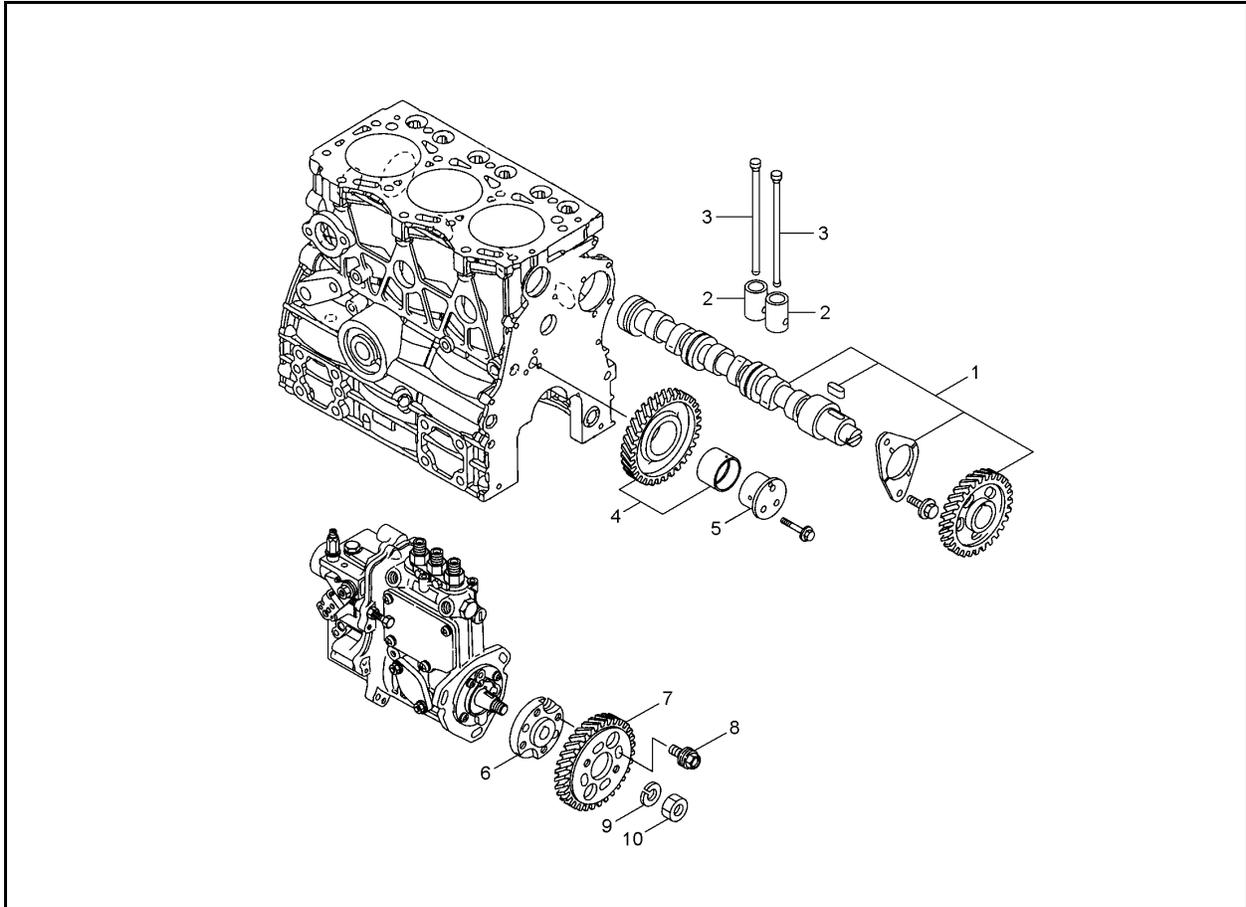
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206239	GEARBOX	1	13	178401	SCREW	7
2	178286	SEAL	1	14	177351	SCREW	3
3	206241	COVER	1	15	178185	SCREW	2
4	177371	PLUG	1	16	206247	FLYWHEEL HOUSING	1
5	206242	SPRING	1	17	177263	O-RING	1
6	177369	VALVE	1	18	178370	O-RING	1
7	177367	SCREW	8	19	206245	O-RING	3
8	206243	GEAR	1	20	177400	HEXAGON NUT	3
9	206244	GEAR	1	21	206246	STUD BOLT	3
10	164662	FILLER CAP	1	22	178400	TUBE	4
11	177242	O-RING	2	23	208161	FITTING PIN	2
12	177249	RUBBER PLUG	1	24	178287	SEAL	1

283Z - OIL PAN
1000176297



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206248	OIL PAN	1	7	206251	SCREW	1
2	206249	SEAL RING	1	9	162064	HOSE CLAMP	1
3	206250	LOCK SCREW	1	10	0003634062	DRAIN COUPLING	1
4	206151	SCREW	3	11	207290	FLEXIBLE TUBE (0.5M)	1
5	177402	SCREW	11	12	177239	DRAIN COUPLER	1
6	164315	SCREW M8 X 12 PLATED	1	13	177021	DRAIN KIT	1

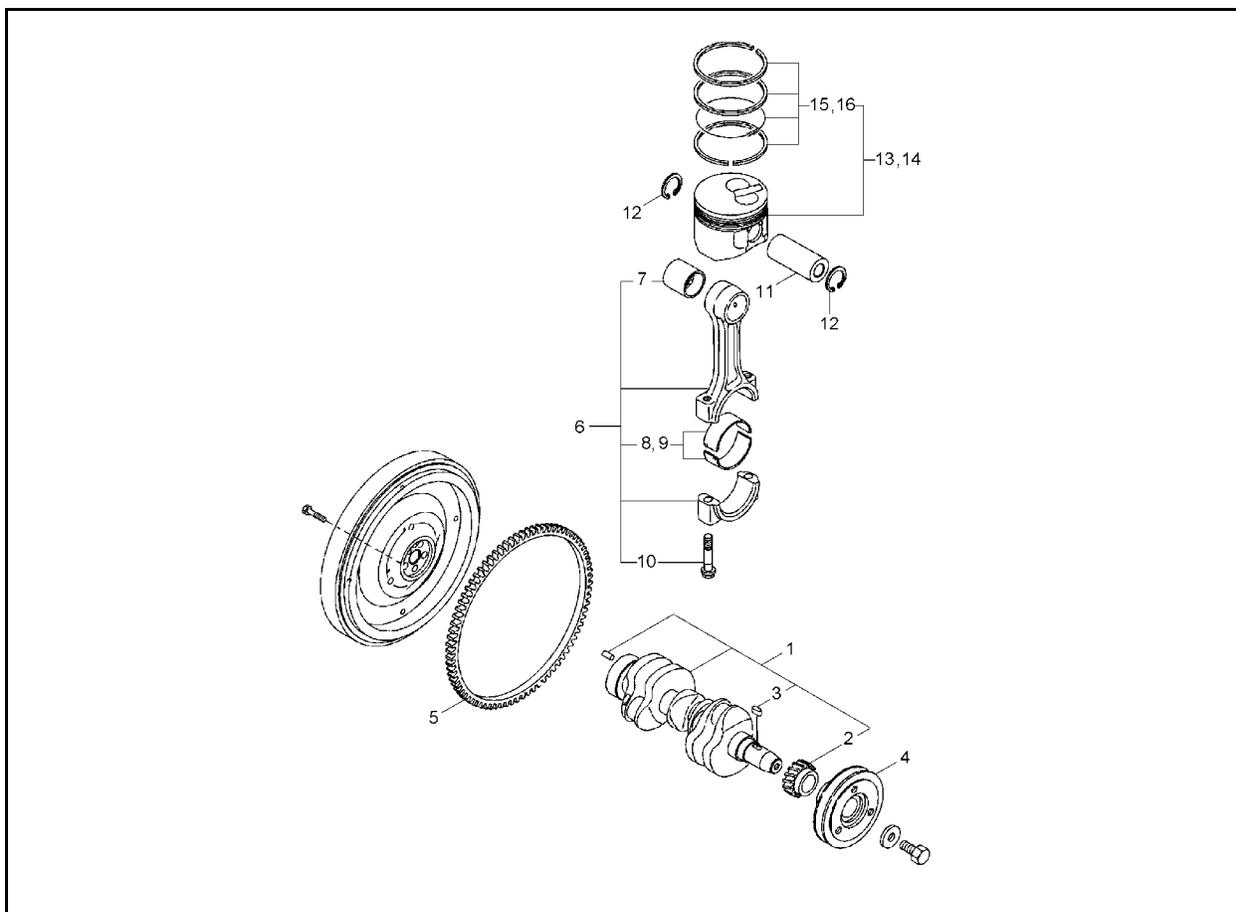
283Z - CAMSHAFT
1000148837



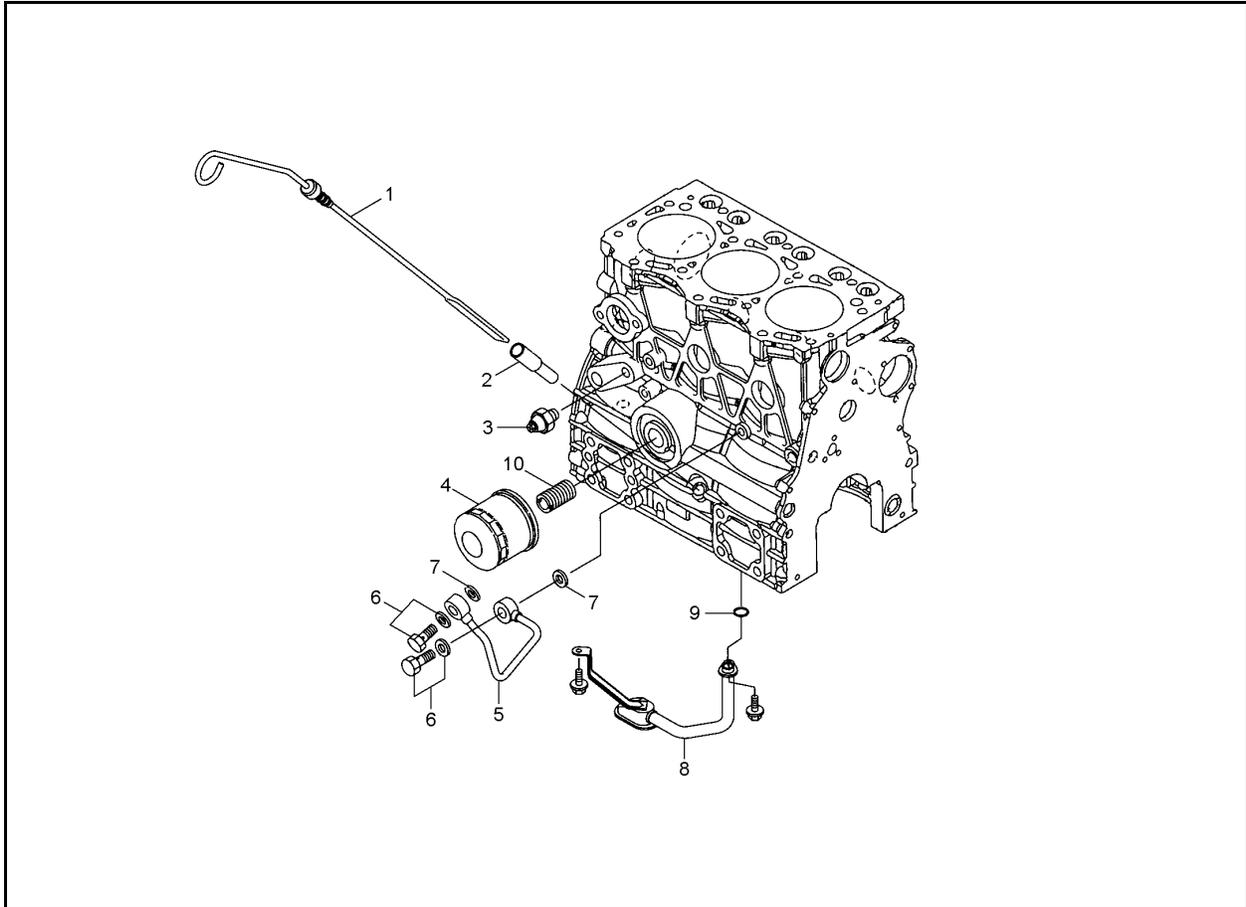
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206252	CAMSHAFT	6	6	206256	FLANGE	1
2	178337	LIFTER	6	7	206257	GEAR	1
3	206253	PUSH ROD	6	8	207036	SCREW	4
4	206254	GEAR	1	9	206258	SPRING RING	1
5	206255	BRACKET	1	10	206259	HEXAGON NUT	1

283Z - CRANKSHAFT, PISTON

1000176271



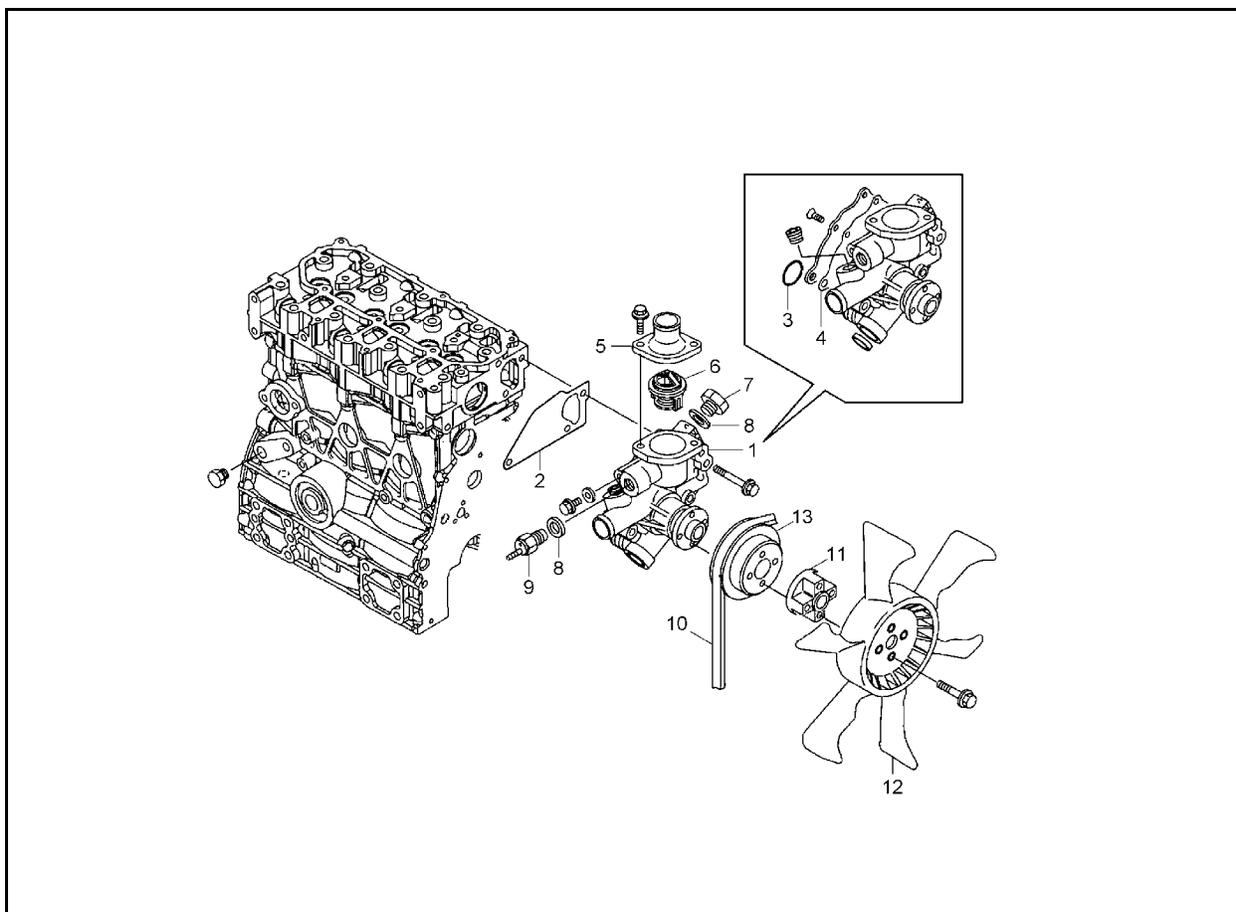
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206260	CRANK SHAFT	1	9	206267	BEARING (US=0.25)	3
2	206261	GEAR	1	10	206268	SCREW	6
3	178343	PARALLEL KEY	1	11	206269	PIN	3
4	201559	BELT PULLEY	1	12	206270	LOCK RING	6
5	209482	RING GEAR	1	13	206271	PISTON	3
6	206264	CONNECTING ROD	3	14	206272	PISTON (OS=0.25)	3
7	206265	BUSHING	3	15	206273	SET/BACKUP RINGS	3
8	206266	BEARING	3	16	206274	SET/BACKUP RINGS (OS=0.25)	3



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206331	DIPSTICK	1	6	177100	BANJO BOLT	2
2	177234	DIPSTICK TUBE	1	7	177462	SEAL RING	2
3	425-36085	SENDER/OIL PRESSURE	1	8	206333	PIPE LINE	1
4	178677	OIL FILTER	1	9	206334	O-RING	1
5	206332	PIPE LINE	1	10	206395	SCREW JOINT	1

283Z - COOLING SYSTEM

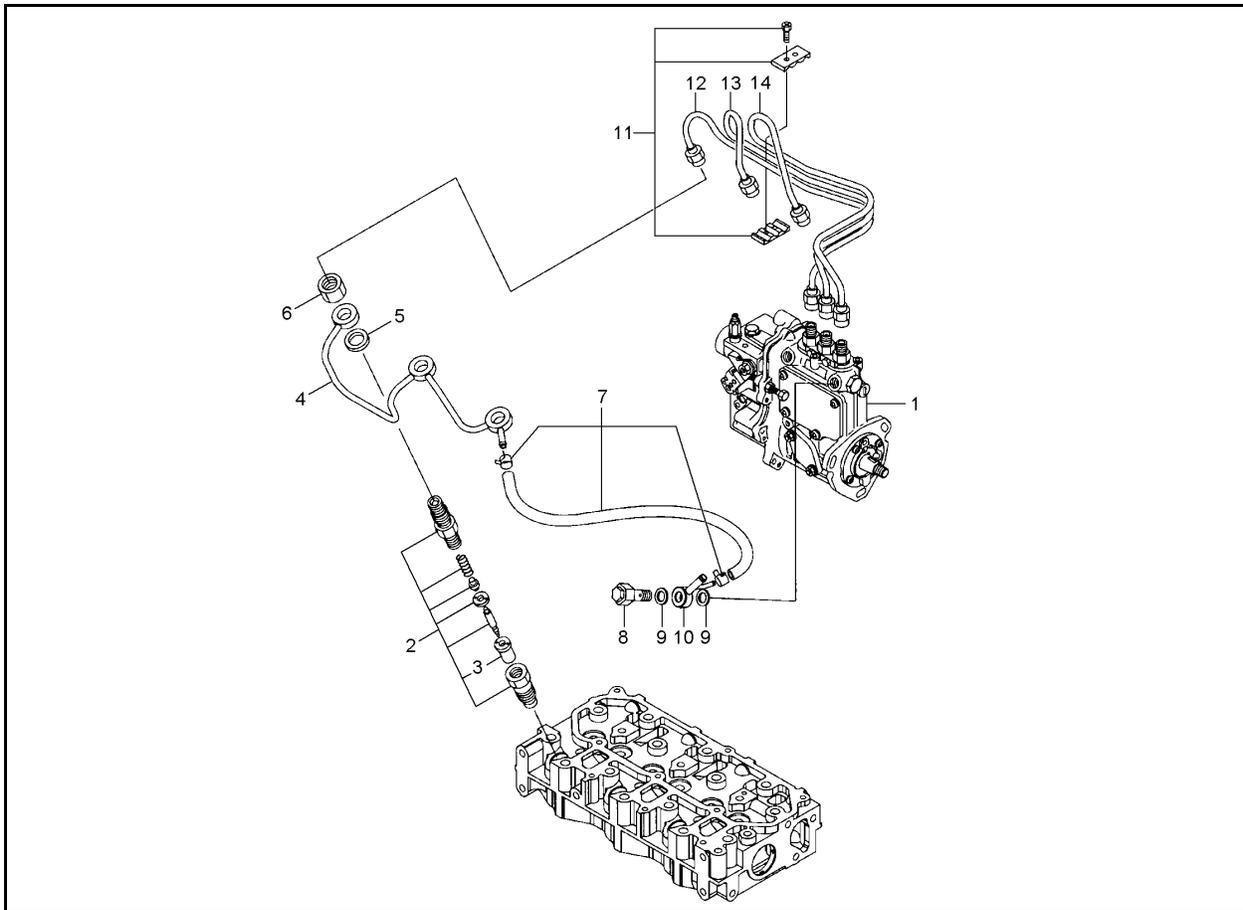
1000176314



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206311	WATER PUMP	1	8	160427	SEAL	2
2	206312	WATER PUMP GASKET	1	9	425-34683	SENSOR/THERMOSTAT (110° C)	1
3	206313	O-RING	1	10	206205	FAN BELT	1
4	206314	ENGINE GASKET	1	11	177265	FAN SPACER	1
5	177254	THERMOSTAT HOUSING	1	12	201555	FAN	1
6	206315	THERMOSTAT	1	13	201561	BELT PULLEY	1
7	164441	PLUG	1				

283Z - FUEL INJECTION SYSTEM

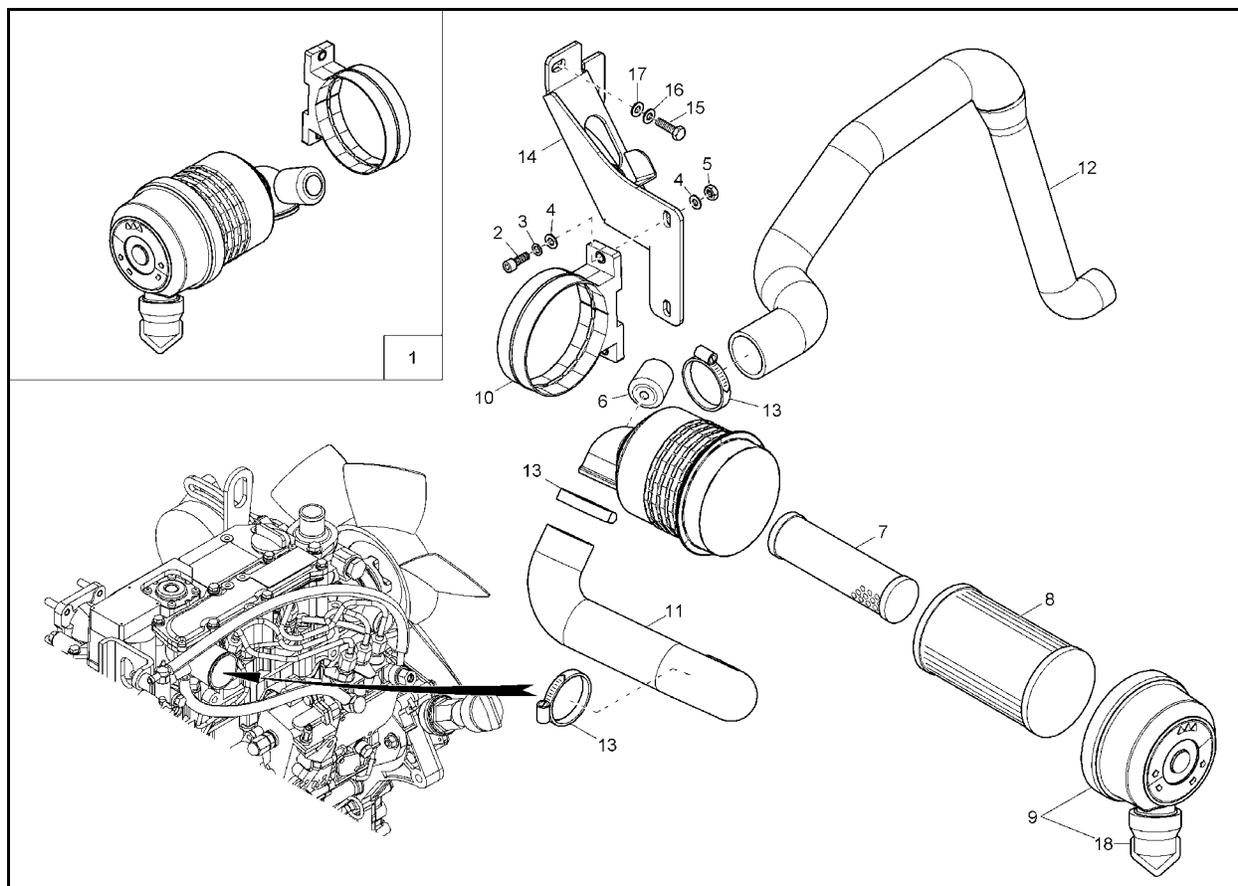
1000148841



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206275	INJECTION PUMP	1	8	206282	NON RETURN VALVE	1
2	206276	INJECTION NOZZLE	3	9	164393	SEAL	2
3	206277	NOZZLE	3	10	206283	RING PIECE	1
4	206278	TUBE	1	11	177344	CLAMP	1
5	206279	SEAL RING	3	12	206284	INJECTION LINE (BACK)	1
6	206280	HEX NUT	3	13	206285	INJECTION LINE (MIDDLE)	1
7	206281	TUBE	1	14	206286	INJECTION LINE (FRONT)	1

283Z - AIR FILTER

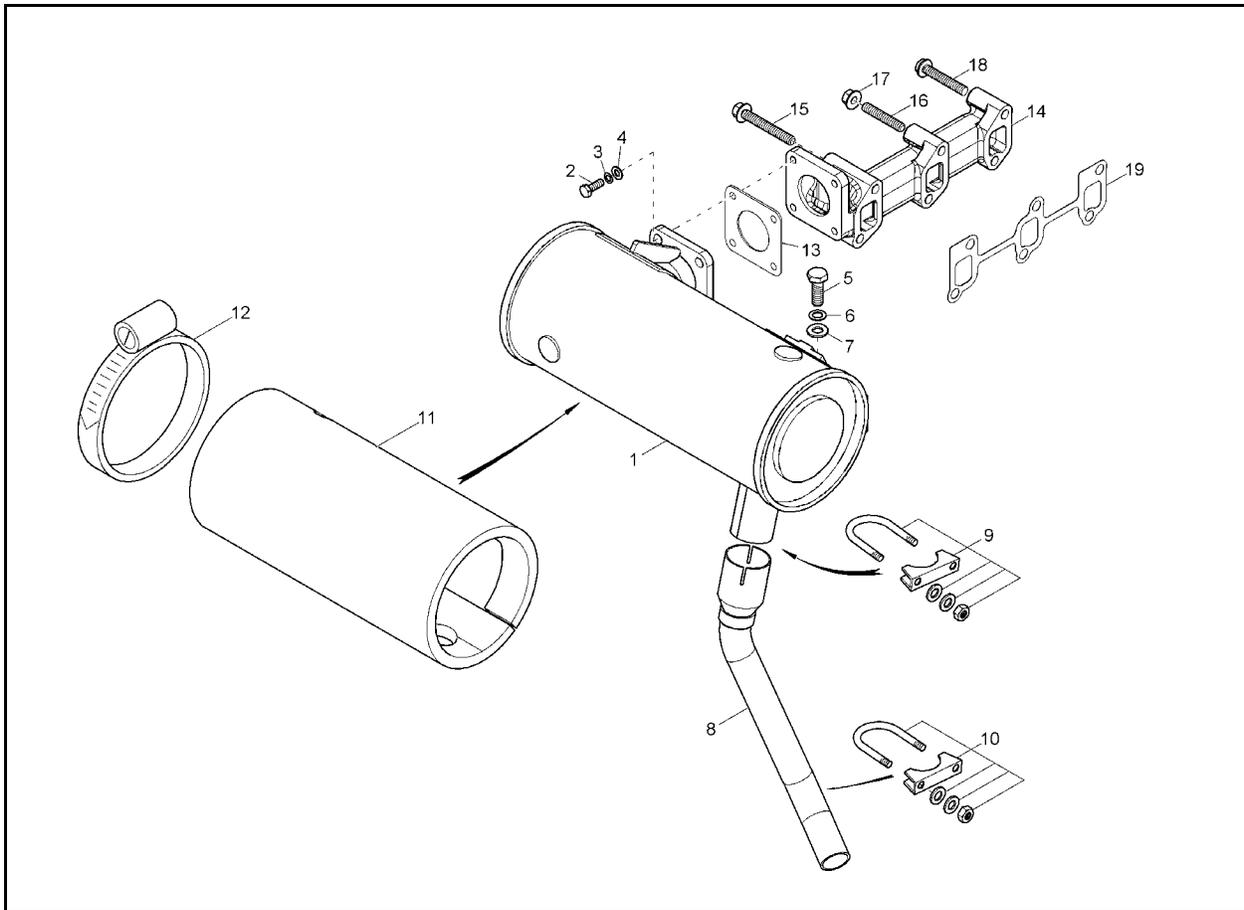
1000176312



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206302	AIR FILTER ASSY - COMPLETE	1	10	206306	AIR FILTER BRACKET	1
2	164911	SCREW	2	11	201562	AIR INTAKE HOSE	1
3	163670	LOCKWASHER	2	12	201563	AIR INTAKE HOSE	1
4	163634	WASHER	4	13	206310	HOSE CLAMP	3
5	651458	LN INS M8-1.25 C8 ZY DIN6924	2	14	201564	AIR FILTER BRACKET	1
6	206305	DIRT INDICATOR	1	15	656006	CS M10-1.5X20 C8.8 ZY DIN931	2
7	206304	AIR FILTER/INNER	1	16	161669	LOCKWASHER S10	2
8	206303	AIR FILTER/OUTER	1	17	161640	WASHER/GR A 10.5	2
9	206309	FILTER COVER (INCLUDES 18)	1	18	0009960751	DUST VALVE	1

283Z - EXHAUST SYSTEM

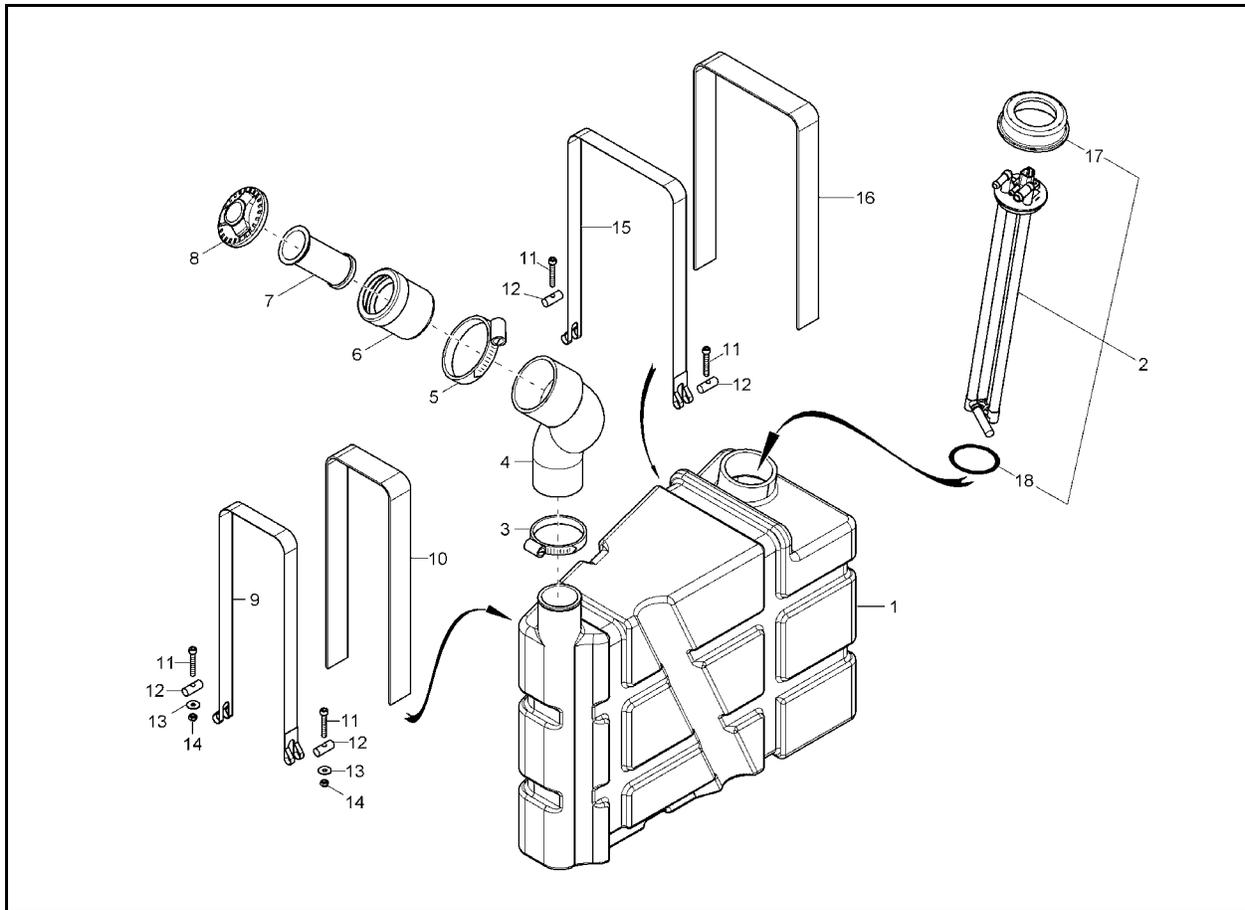
1000176278



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201565	MUFFLER	1	11	201736	ISOLATION MAT	1
2	656105	CS M8-1.25X25 C8.8 ZY DIN931	4	12	9914140G	HOSE COLLAR	4
3	163670	LOCKWASHER	4	13	206289	SEAL	1
4	163634	WASHER	4	14	201569	EXHAUST MANIFOLD	1
5	656006	CS M10-1.5X20 C8.8 ZY DIN931	1	15	201570	HEX SCREW	2
6	161669	LOCKWASHER S10	1	16	206296	STUD BOLT	2
7	161651	WASHER 20	1	17	177400	HEXAGON NUT	2
8	201566	EXHAUST PIPE	1	18	206297	SCREW	4
9	160848	CLAMP ASY	1	19	206295	GASKET	1
10	201567	CLAMP ASY	1				

283Z - FUEL TANK

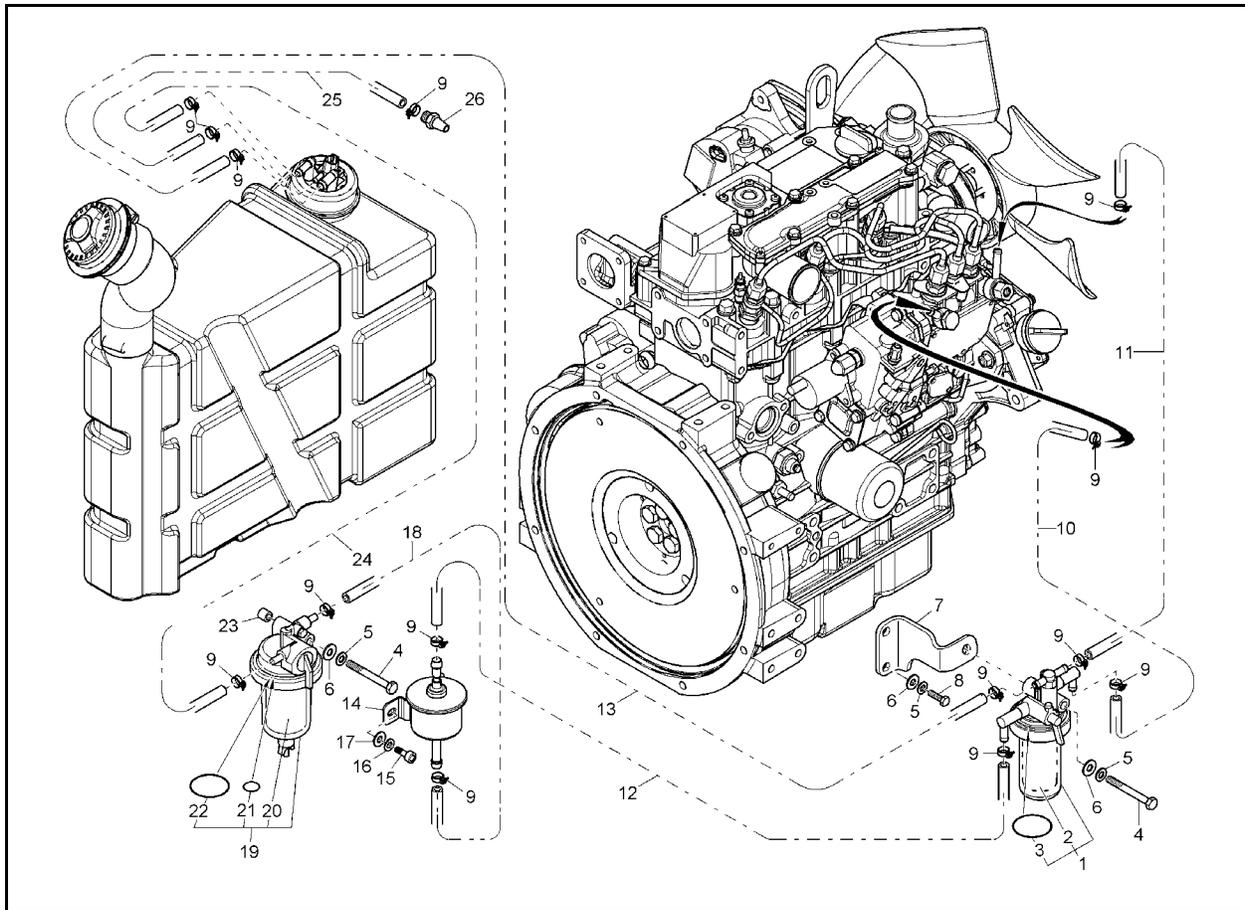
1000176279



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201571	FUEL TANK	1	10	201798	RUBBER FOAM (0.9M)	1
2	201572	FUEL SENDER/HEAD	1	11	7252677054	SHCS M 8X65 8.8 A2C	4
3	162611	HOSE CLAMP	1	12	0009900115	PIN D 12 LG 30 FE/ZN 8 C	4
4	201573	DIESEL REFILL HOSE	1	13	7462680008	WASHER	2
5	163210	HOSE CLAMP	1	14	651457	LN INS M6-1 C8 ZY DIN6924	2
6	201574	TANK FILL HOUSING	1	15	201577	CLAMP STRAP	1
7	160436	STRAINER/FUEL TANK	1	16	201798	RUBBER FOAM (0.9M)	1
8	201575	FILLER CAP	1	17	201661	UNION NUT	1
9	201576	CLAMP STRAP	1	18	201703	SEAL	1

283Z - FUEL SYSTEM

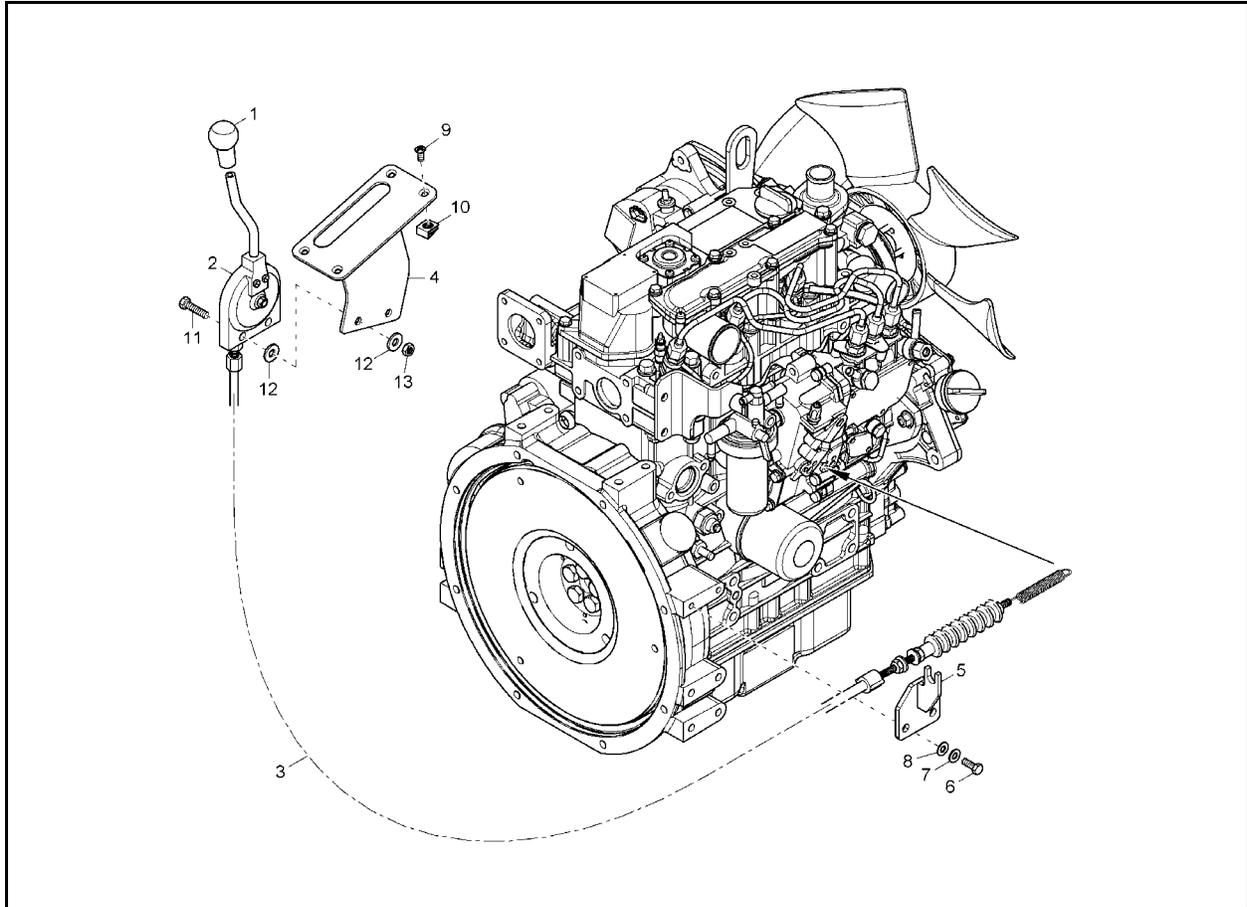
1000176539



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201578	FUEL FILTER	1	14	177699	FUEL PUMP	1
2	206299	FUEL FILTER ELEMENT	1	15	651507	SHCS M6-1X20 C8.8 ZY DIN912	2
3	206912	O-RING	1	16	161675	LOCKWASHER S6	2
4	165928	SCREW	2	17	161660	WASHER GR A6.4 ZO DIN 125	2
5	163670	LOCKWASHER	4	18	207262	FUEL LINE (0.5M)	1
6	163634	WASHER	4	19	177679	WATER SEPARATOR	1
7	201579	BRACKET	1	20	186340	FILTER	1
8	656093	CS M8-1.25X16 C8.8 ZY DIN931	2	21	177659	O-RING	1
9	162065	CLAMP	14	22	177664	GASKET/FILTER HOUSING	1
10	207256	FUEL LINE (0.20M)	1	23	201580	PIPE	1
11	207262	FUEL LINE (0.5M)	1	24	207269	FUEL LINE (1.5M)	1
12	207268	FUEL LINE (1.3M)	1	25	207270	FUEL LINE (2.0M)	1
13	207271	FUEL LINE (3.0M)	1	26	178965	FILTER	1

283Z - THROTTLE ASSEMBLY

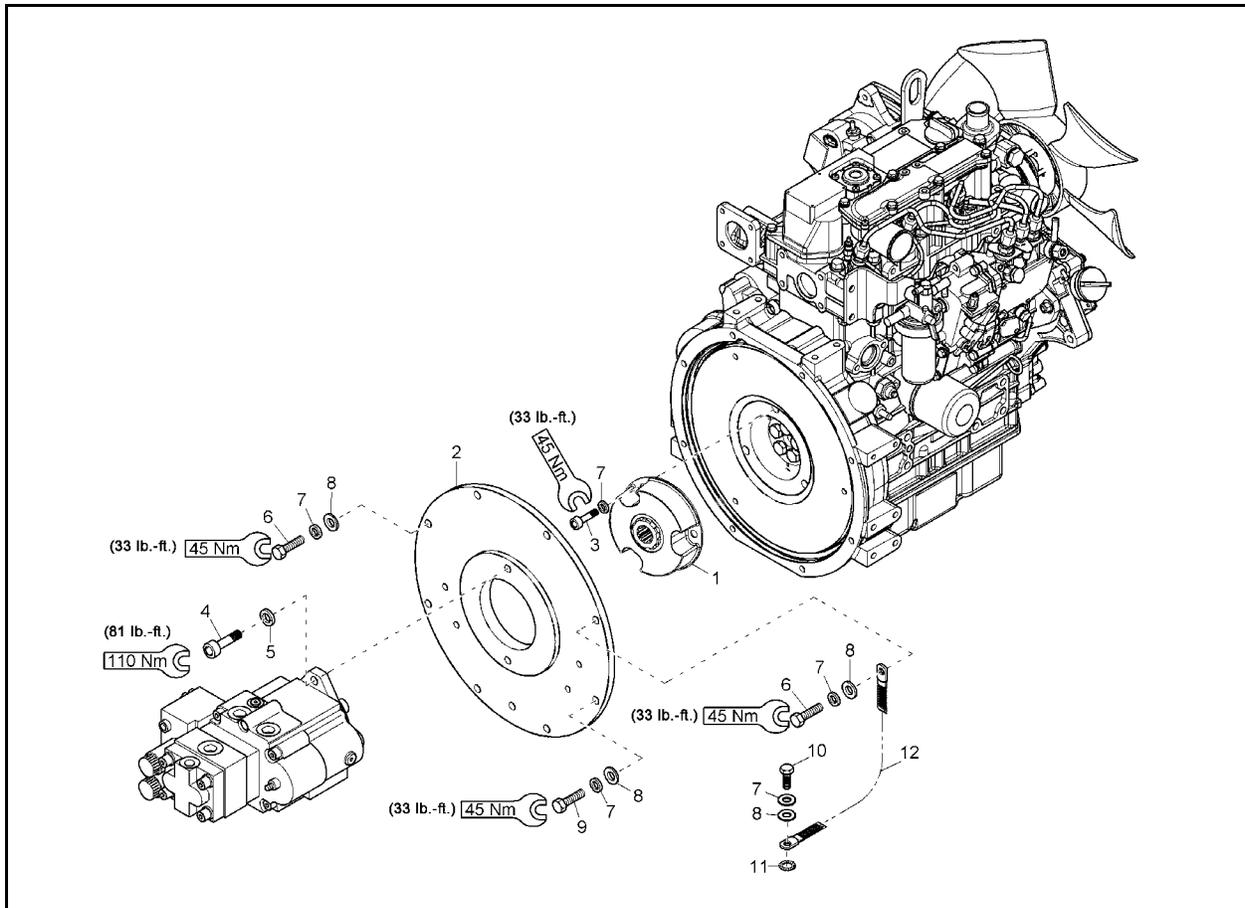
1000176295



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162398	KNOB	1	8	163634	WASHER	2
2	164711	THROTTLE LEVER	1	9	161634	SCREW/C'SUNK HD M5X16	4
3	205586	THROTTLE CABLE	1	10	162048	CLIP-ON NUT	4
4	205585	BRACKET	1	11	656128	CS M6-1X30 C8.8 ZY DIN931	2
5	201581	BRACKET/THROTTLE CABLE	1	12	161660	WASHER GR A6.4 ZO DIN 125	4
6	656093	CS M8-1.25X16 C8.8 ZY DIN931	2	13	161678	HN M6-1.00 C8 ZO	2
7	163670	LOCKWASHER	2				

283Z - HYDRAULIC PUMP DRIVE

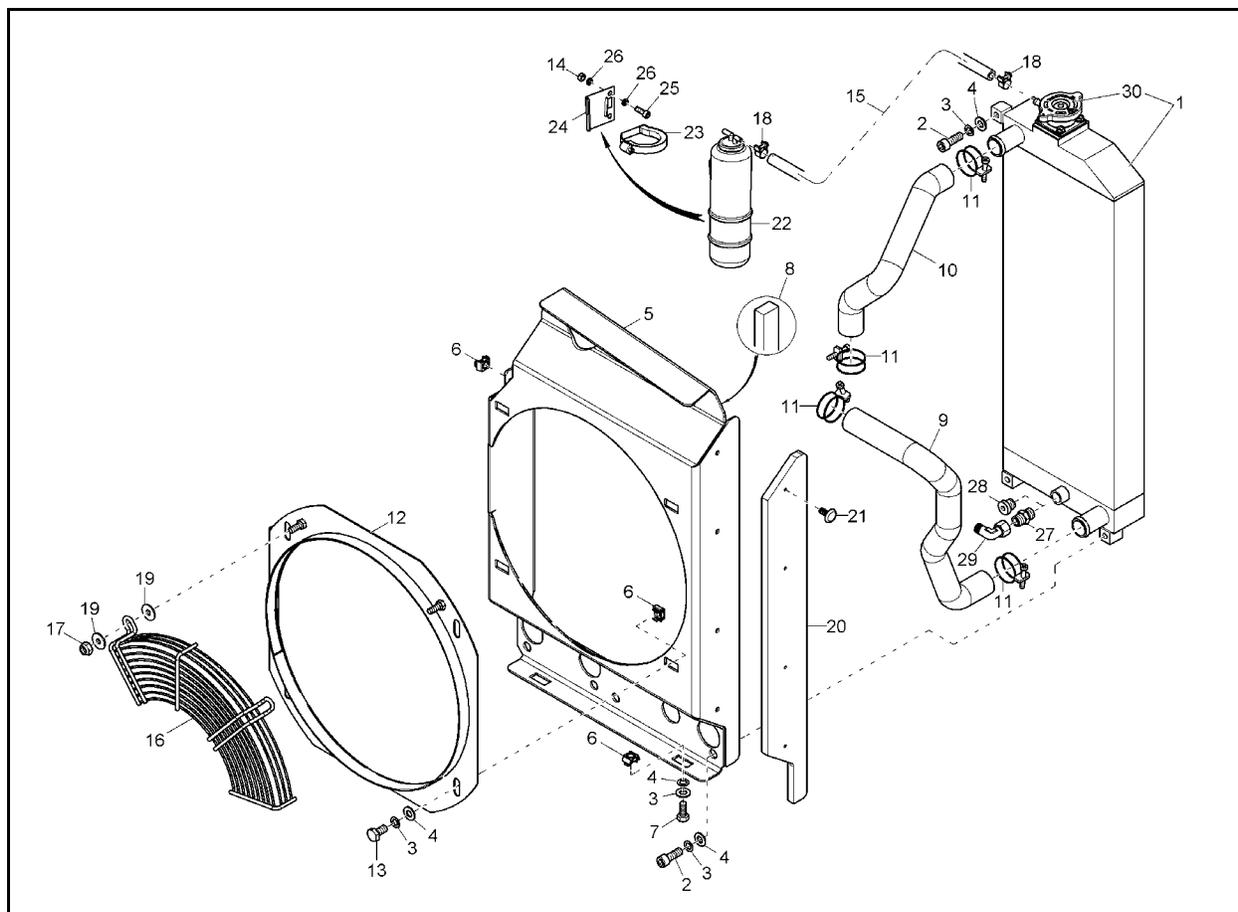
1000176296



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201582	COUPLER	1	7	161669	LOCKWASHER S10	12
2	201583	PUMP BRACKET	1	8	161640	WASHER/GR A 10.5	9
3	651472	SHCS M10-1.25X20 F8.8 ZY DIN912	3	9	651397	CS M10-1.5X35 C8.8 ZY	2
4	651480	SHCS M12-1.75X30 C10.9 ZY DIN912	2	10	656006	CS M10-1.5X20 C8.8 ZY DIN931	1
5	163651	WASHER	2	11	177460	SERRATED WASHER	1
6	651393	CS M10-1.5X25 C8.8 ZY	6	12	165224	GROUND CABLE	1

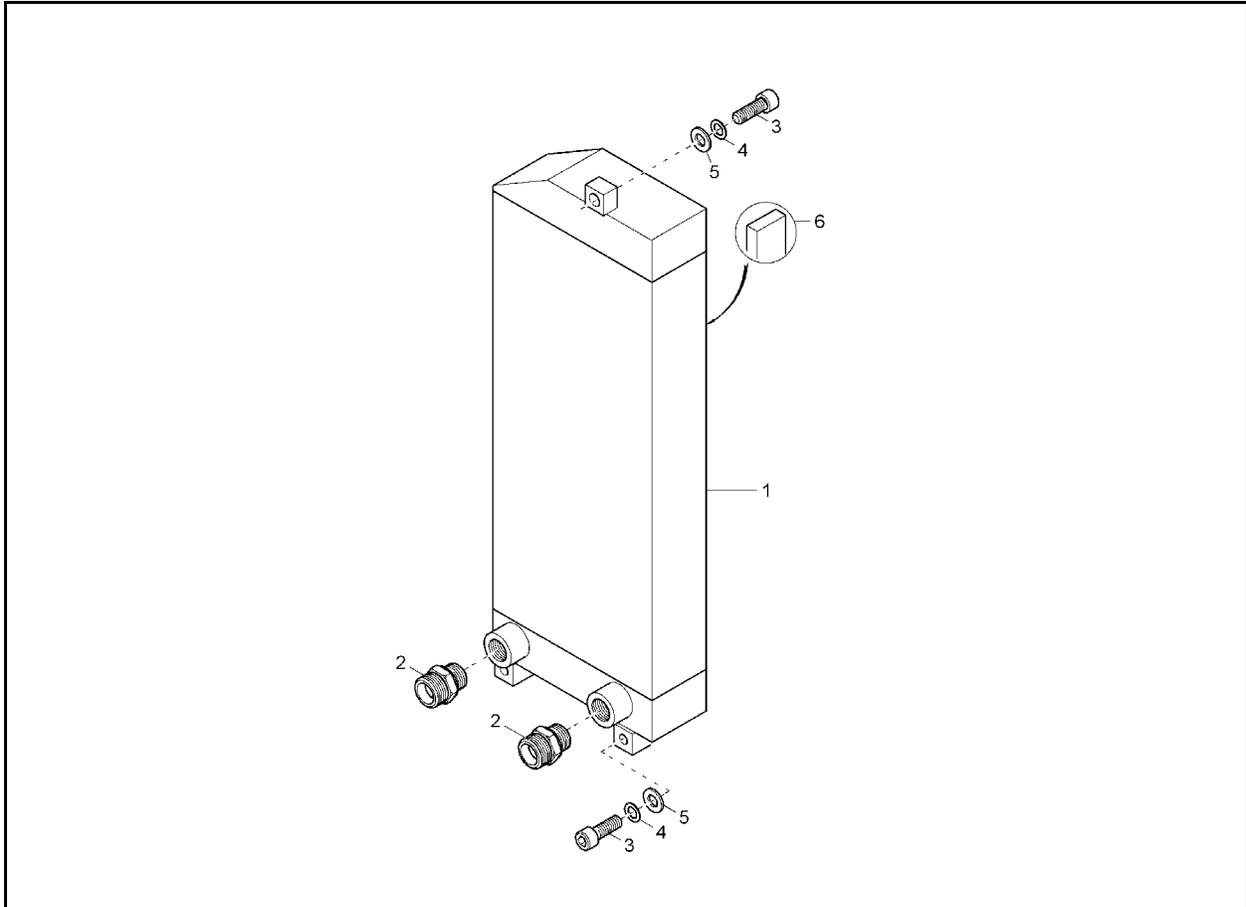
283Z - RADIATOR

1000177078



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201584	RADIATOR	1	16	201589	FAN GUARD	1
2	162022	SCREW	3	17	651458	LN INS M8-1.25 C8 ZY DIN6924	2
3	161669	LOCKWASHER S10	9	18	162065	CLAMP	2
4	161640	WASHER/GR A 10.5	9	19	7462680011	WASHER 8.4 ST A2C	4
5	201585	BRACKET	1	20	201590	ISOLATION MAT	1
6	177700	CAGE NUT	8	21	164754	RIVET 20MM	4
7	651393	CS M10-1.5X25 C8.8 ZY	2	22	209909	RESERVOIR	1
8	205182	SEAL STRAP FOAM (3.0M)	1	23	161856	COLLAR	1
9	201586	RADIATOR HOSE	1	24	425-36152	BRACKET/SUB-TANK	1
10	201587	RADIATOR HOSE	1	25	651507	SHCS M6-1X20 C8.8 ZY DIN912	2
11	425-34853	CLAMP 38	4	26	161660	WASHER GR A6.4 ZO DIN 125	4
12	201588	RING	1	27	161429	SCREW JOINT 12L (CAB W/HEATER)	4
13	656006	CS M10-1.5X20 C8.8 ZY DIN931	4	28	161415	PLUG (CANOPY)	1
14	651457	LN INS M6-1 C8 ZY DIN6924	2	29	161445	90° FITTING (CAB W/HEATER)	1
15	207263	FUEL LINE (0.6M)	1	30	201591	RADIATOR CAP	1

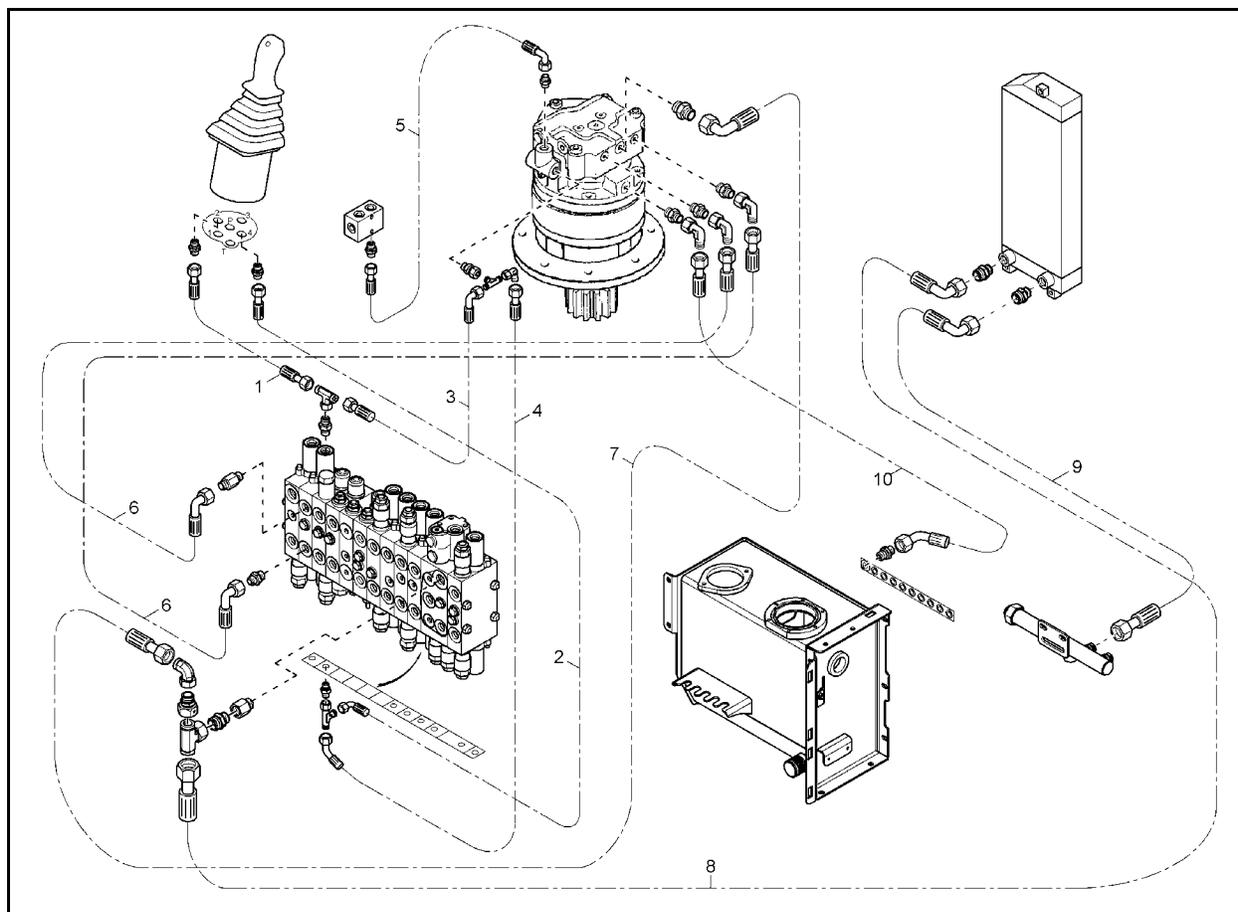
283Z - OIL COOLER
1000176331



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201592	OIL COOLER	1	4	161669	LOCKWASHER S10	3
2	9910346G	SCREW JOINT	2	5	161640	WASHER/GR A 10.5	3
3	162022	SCREW	3	6	204740	SEAL FOAM (1.0M)	1

283Z - TURNTABLE DRIVE UNIT INSTALLATION

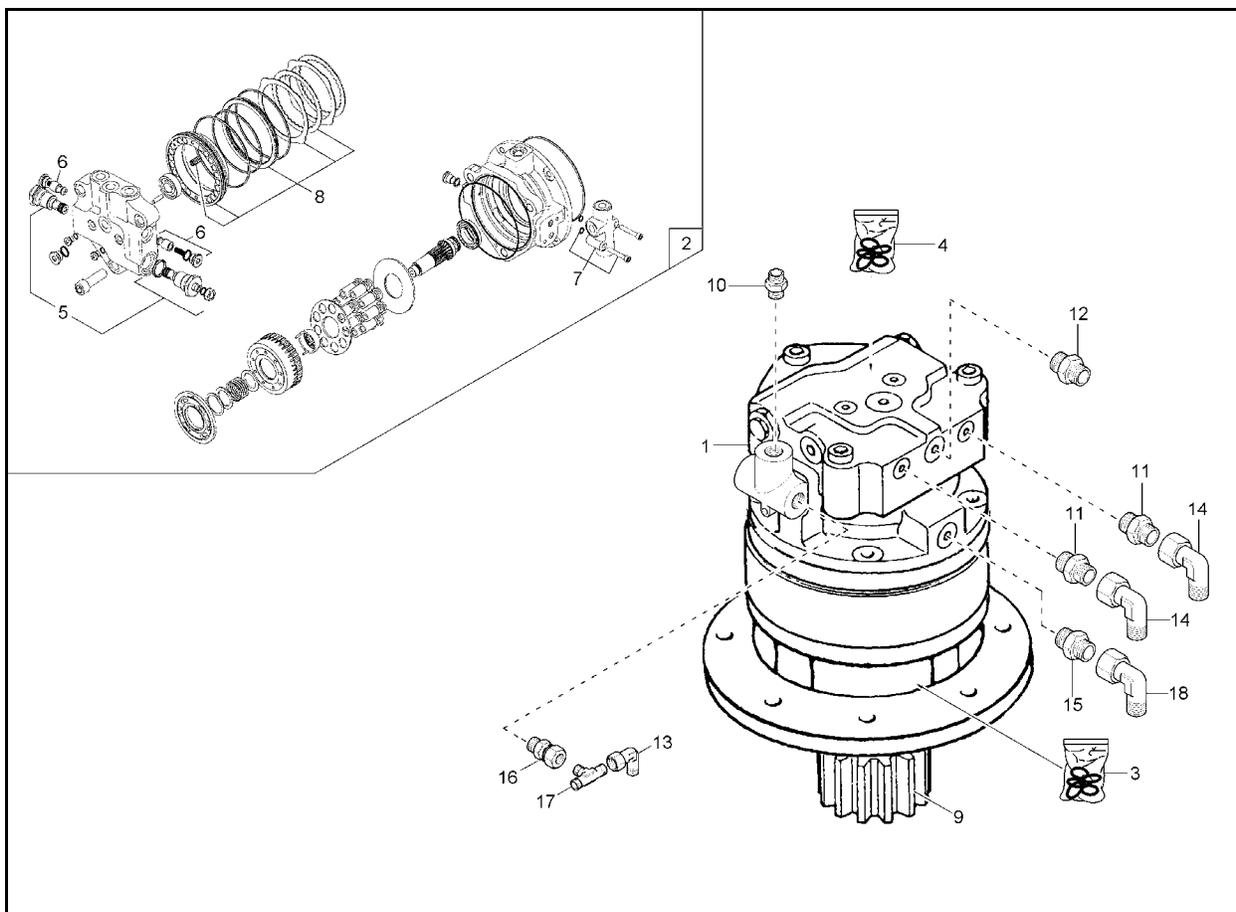
1000177434



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	178511	HP HOSE	1	6	165847	HP HOSE	2
2	161227	HP HOSE	1	7	201594	HP HOSE	1
3	201593	HP HOSE	1	8	201595	HP HOSE	1
4	179520	HP HOSE	1	9	201596	HP HOSE	1
5	162957	HP HOSE	1	10	201597	HP HOSE	1

283Z - TURNTABLE DRIVE UNIT

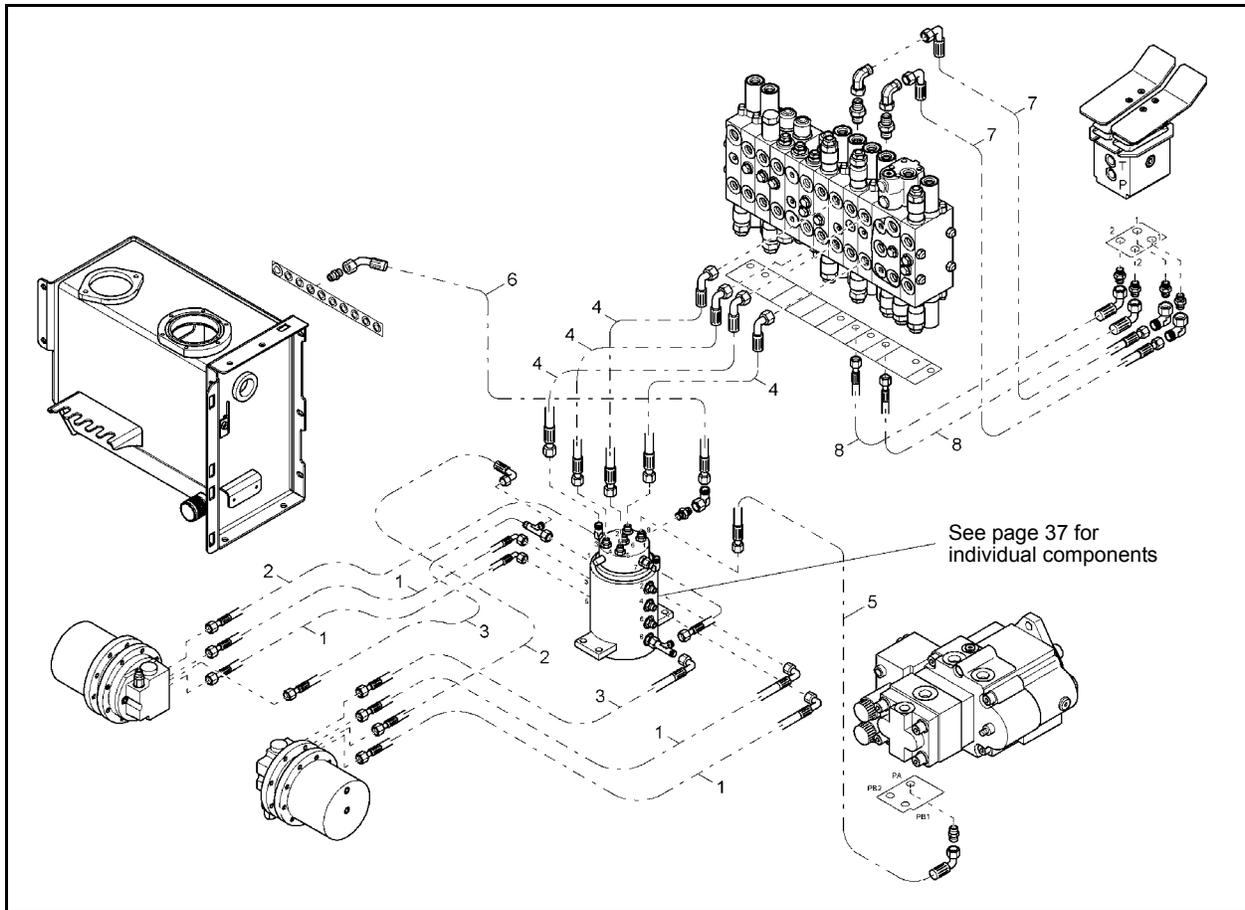
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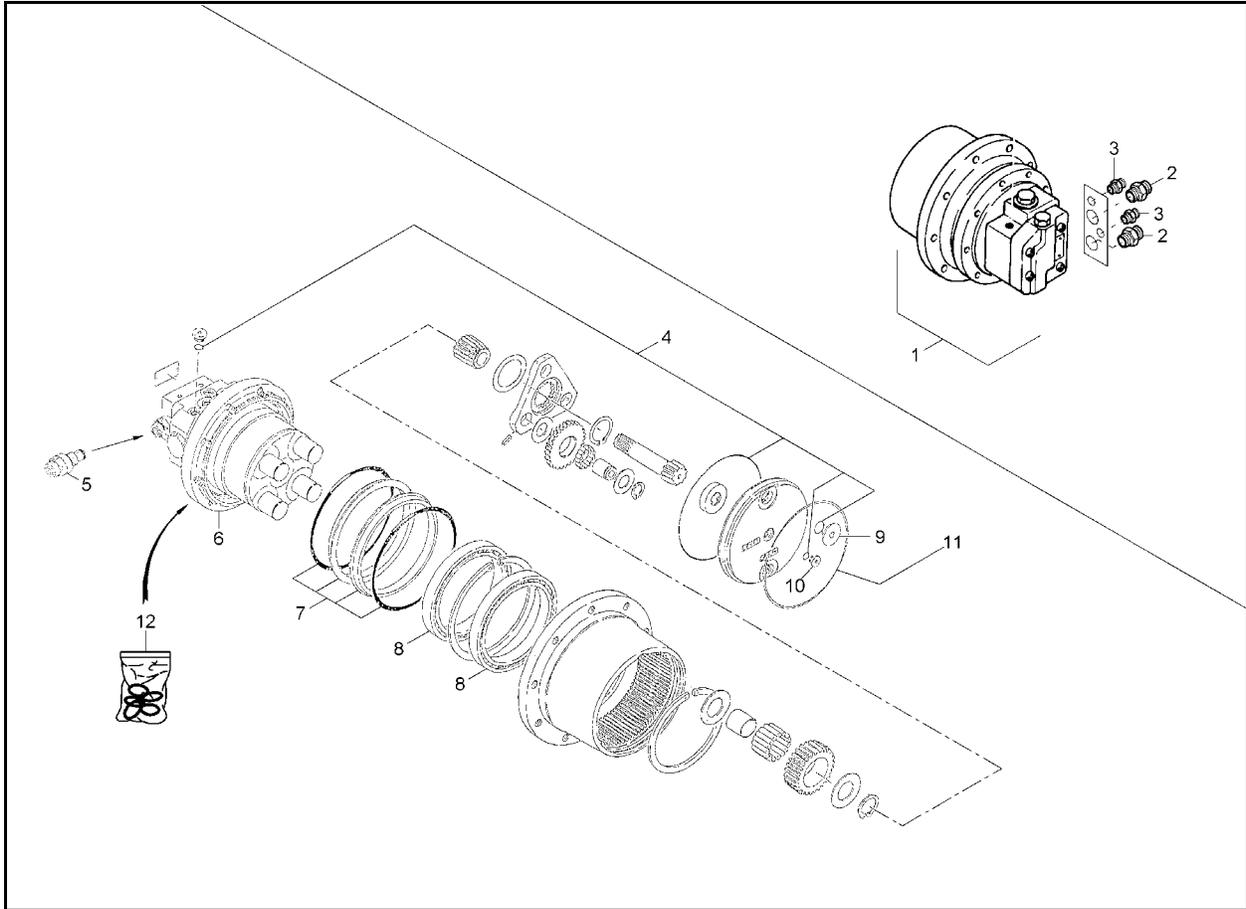
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	178952	SWIVEL DRIVE COMPLETE	1	10	164945	SCREW JOINT	1
2	178956	SWIVEL MOTOR COMPLETE	1	11	161428	SCREW JOINT 10L	2
3	178963	SEAL KIT	1	12	165971	SCREW JOINT	1
4	178962	SEAL KIT	1	13	161443	90° FITTING	1
5	178958	SHOCK VALVE	1	14	161444	90° FITTING	2
6	162284	ANTICAVITATION VALVE KIT	1	15	165966	SCREW JOINT	1
7	178959	TIMER VALVE	1	16	165973	SCREW JOINT	1
8	178961	BRAKE ASSY	1	17	161474	VALVE	1
9	178957	MAIN DRIVE PINION SET	1	18	161445	90° FITTING	1

283Z - DRIVE MOTOR INSTALLATION

1000177435



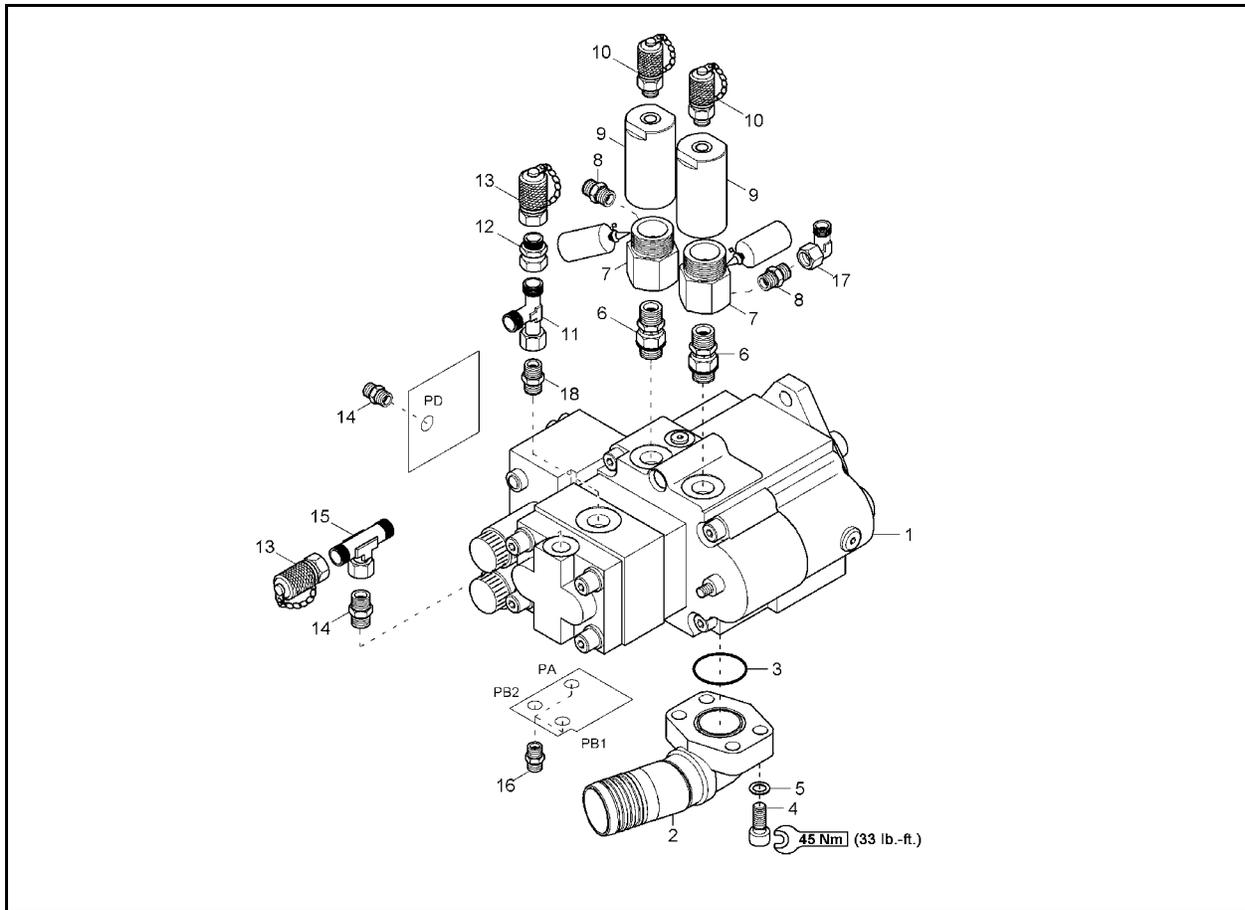
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201598	HP HOSE	4	5	162447	HP HOSE	1
2	165840	HP HOSE	2	6	201600	HP HOSE	1
3	201599	HP HOSE	2	7	161219	HP HOSE	2
4	8004102G	HP HOSE	4	8	162444	HP HOSE	2



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	165662	DRIVE MOTOR COMPLETE	2	7	206053	SEAL KIT	2
2	165967	SCREW JOINT	4	8	206095	BEARING	4
3	164945	SCREW JOINT	4	9	206006	PLUG	4
4	201601	O-RING KIT	2	10	206056	PLUG	2
5	178954	BRAKE VALVE	2	11	206055	LOCK RING	2
6	165539	MOTOR COMPLETE	2	12	206096	SEAL KIT/DRIVE MOTOR	2

283Z - HYDRAULIC PUMP

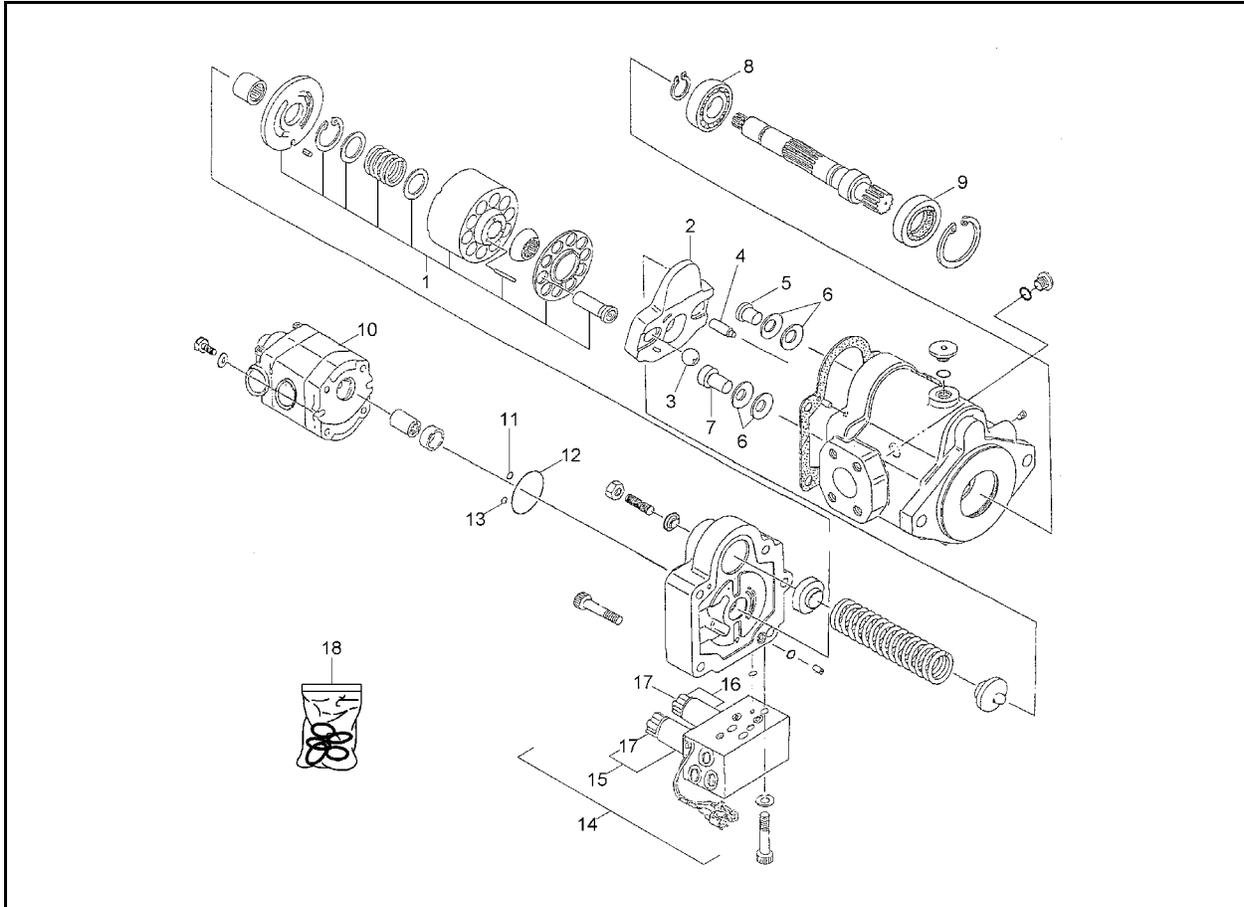
1000176345



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201602	HYDRAULIC PUMP	1	10	204847	TEST PORT	2
2	201603	FLANGE	1	11	161471	ELBOW	1
3	161565	O-RING	1	12	161493	REDUCTION JOINT	1
4	201604	SHCS	4	13	0003638466	TEST CONNECTION 8 L A3C	2
5	161669	LOCKWASHER S10	4	14	165970	SCREW JOINT	2
6	201605	SCREW JOINT	2	15	161450	TEE	1
7	205682	FITTING	2	16	164945	SCREW JOINT	3
8	161431	SCREW JOINT	2	17	161446	90° FITTING	1
9	205879	SILENCER	2	18	165971	SCREW JOINT	1

283Z - HYDRAULIC PUMP ASSEMBLY

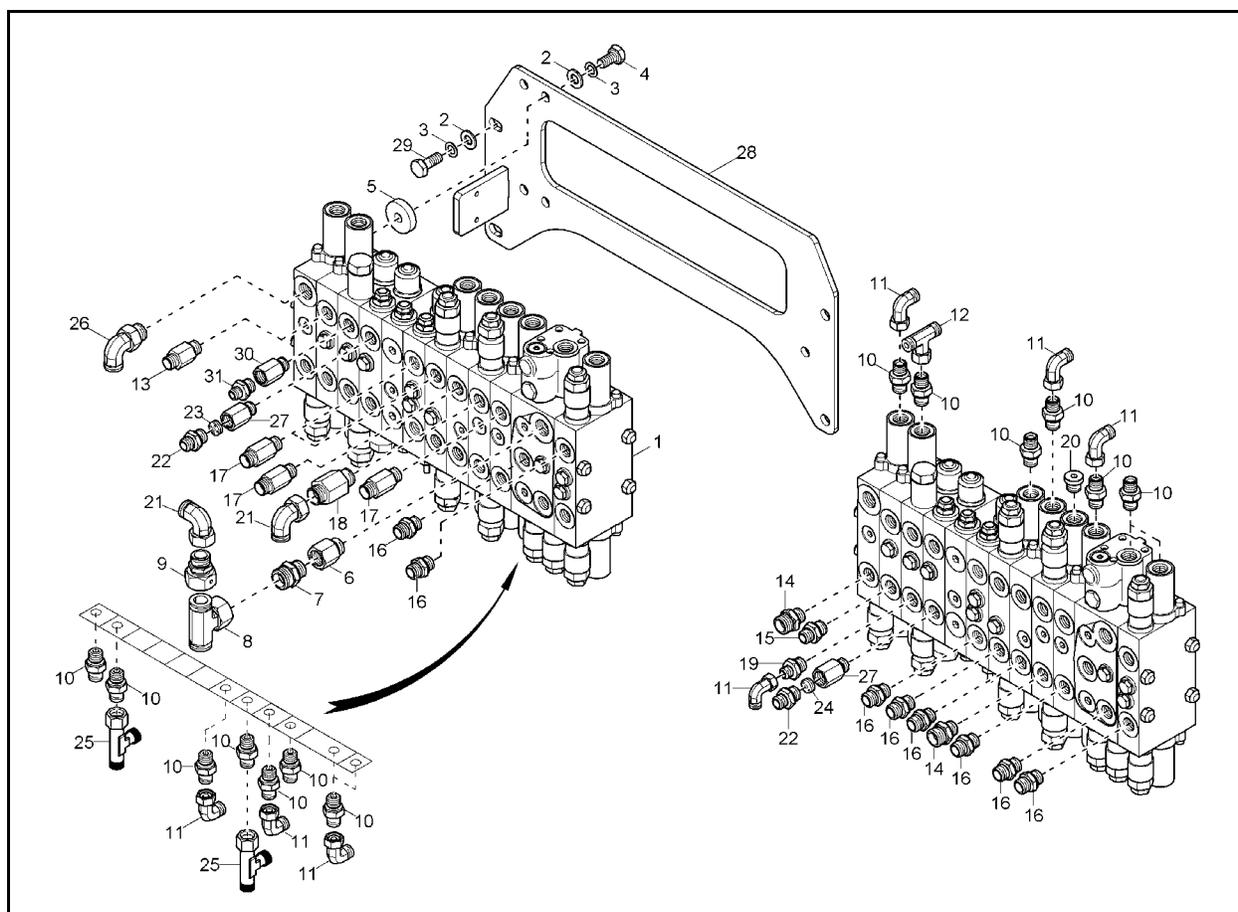
1000176477



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201606	DRIVE UNIT	1	10	1528404G	GEAR PUMP	1
2	205589	SWASH PLATE	1	11	178812	O-RING	1
3	205676	BALL	2	12	179135	O-RING	1
4	201607	STOP PIN	1	13	205701	O-RING	1
5	201608	PIN	1	14	1528405G	PILOT OIL SUPPLY UNIT	1
6	205678	SPRING	4	15	1528407G	SOLENOID SWITCH	1
7	205942	STOPPER PIN	1	16	1528406G	SOLENOID SWITCH	1
8	205672	BALL BEARING	1	17	178811	SCREW	2
9	205702	ROTARY SHAFT SEAL	1	18	1529401G	SEAL KIT	1

283Z - CONTROL VALVE 1

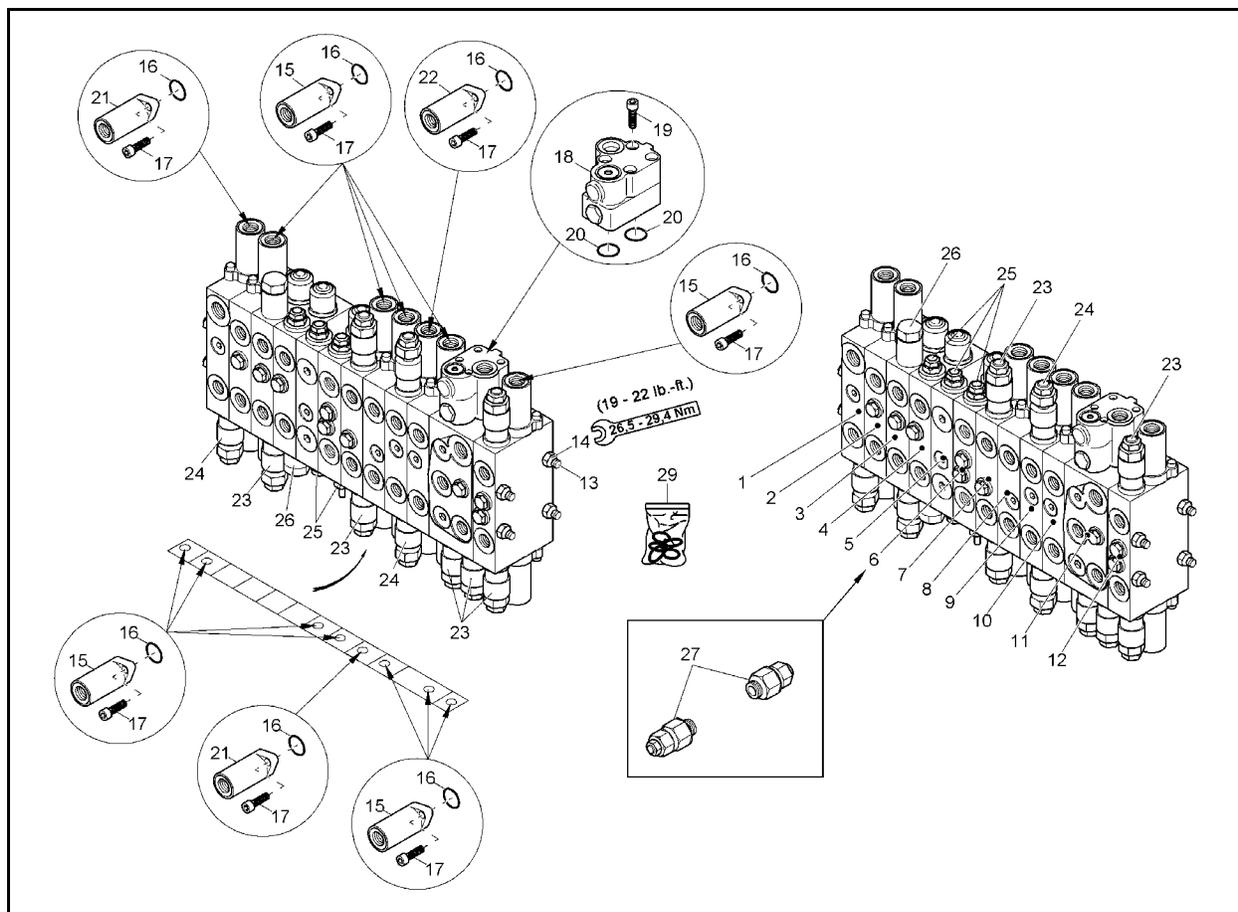
1000177213



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201609	CONTROL VALVE	1	17	165505	SCREW JOINT	4
2	161640	WASHER/GR A 10.5	7	18	178966	CONNECTOR	1
3	161669	LOCKWASHER S10	7	19	165970	SCREW JOINT	1
4	656006	CS M10-1.5X20 C8.8 ZY DIN931	3	20	161414	SCREW	1
5	178967	CORK WASHER	3	21	161446	90° FITTING	2
6	201610	CONNECTOR	1	22	161428	SCREW JOINT 10L	2
7	9910346G	SCREW JOINT	1	23	160651	RESTRICTOR	1
8	161451	TEE	1	24	165896	RESTRICTOR	1
9	161441	REDUCTION JOINT	1	25	161448	TEE	2
10	164945	SCREW JOINT	17	26	201611	SCREW JOINT	1
11	161443	90° FITTING	9	27	201612	CONNECTOR	2
12	161450	TEE	1	28	201613	CONTROL VALVE BRACKET	1
13	165506	SCREW JOINT	1	29	651393	CS M10-1.5X25 C8.8 ZY	4
14	165971	SCREW JOINT	2	30	160560	SCREW JOINT	1
15	161428	SCREW JOINT 10L	1	31	161427	SCREW JOINT	1
16	165966	SCREW JOINT	10				

283Z - CONTROL VALVE 2

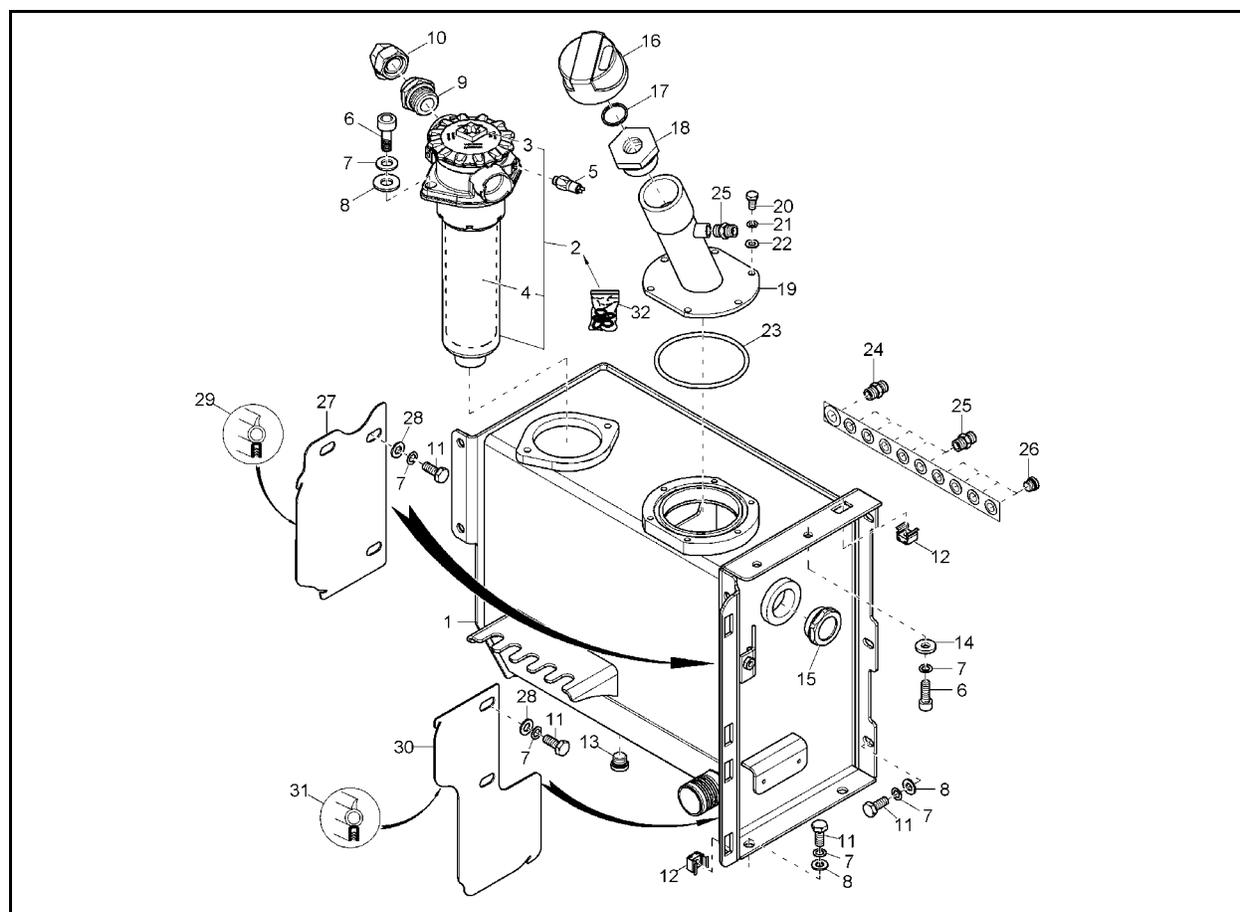
1000178973



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201803	STRAIGHT-AHEAD/DRIVE SEGMENT	1	15	178968	VALVE CAP	12
2	201804	ROTARY SEGMENT	1	16	165541	SEAL	15
3	201805	DOZER BLADE SEGMENT	1	17	205981	SCREW	30
4	201806	SWIVEL BOOM SEGMENT	1	18	205982	VALVE CAP	1
5	201807	AUXILIARY HYDRAULICS (FLOW RATE) SEGMENT	1	19	205983	SCREW	5
6	201808	AUXILIARY HYDRAULICS SEGMENT	1	20	206821	O-RING	2
7	201809	DIPPERSTICK SEGMENT	1	21	205984	VALVE CAP	2
8	201810	DRIVE SEGMENT LT	1	22	178970	VALVE CAP	1
9	201811	INPUT SEGMENT	1	23	165536	PRESSURE RELIEF VALVE	7
10	201812	DRIVE SEGMENT RT	1	24	161359	PRESSURE RELIEF VALVE-PRIMARY	3
11	201813	BOOM SEGMENT	1	25	205117	SHUT-OFF VALVE	5
12	201814	BUCKET SEGMENT	1	26	165543	NON RETURN VALVE	2
13	201796	TIE ROD	4	27	165536	PRESSURE RELIEF VALVE (OPTION)	2
14	178100	NUT	8	28	201815	SEAL KIT	1

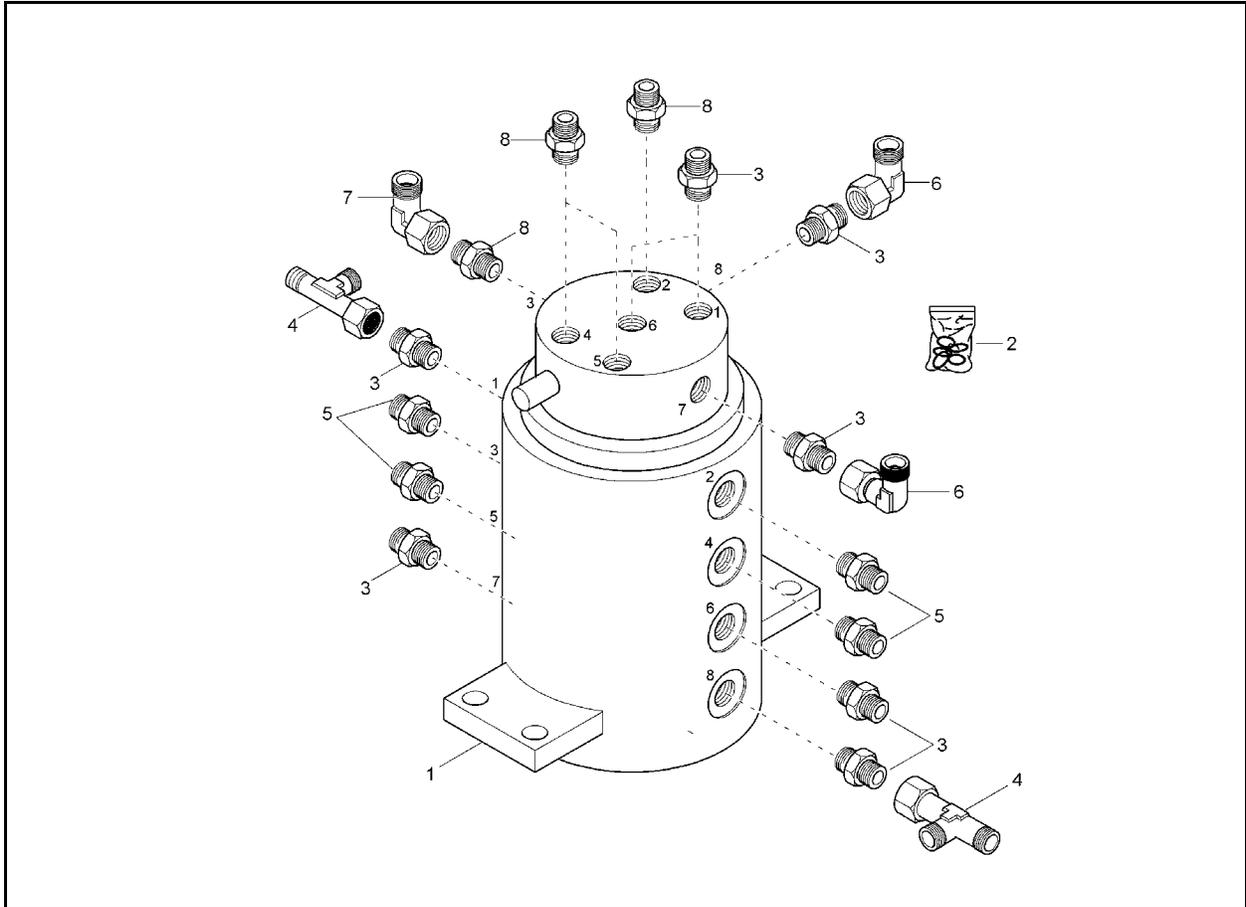
283Z - HYDRAULIC TANK

1000176344



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201614	HYDRAULIC TANK	1	17	201615	O-RING	1
2	165108	HYDRAULIC OIL FILTER COMPLETE	1	18	161485	REDUCTION JOINT	1
3	178268	COVER	1	19	201616	OIL TANK CAP	1
4	165111	HYDRAULIC OIL FILTER ELEMENT	1	20	656093	CS M8-1.25X16 C8.8 ZY DIN931	6
5	163001	PRESSURE SWITCH	1	21	163670	LOCKWASHER	6
6	162022	SCREW	4	22	163634	WASHER	6
7	161669	LOCKWASHER S10	16	23	161573	O-RING	1
8	161640	WASHER/GR A 10.5	9	24	161429	SCREW JOINT 12L	1
9	177455	SCREW JOINT	1	25	161426	SCREW JOINT	6
10	161456	ANGLE	1	26	161414	SCREW	4
11	651393	CS M10-1.5X25 C8.8 ZY	12	27	201617	PLATE	1
12	161610	NUT/CAGE M10	5	28	161663	WASHER/GR A 10.5 ZO	5
13	161415	PLUG	1	29	206171	RUBBER PROFILE - (0.30M)	1
14	163642	WASHER	2	30	201618	PLATE	1
15	1428450G	OIL LEVEL GLASS	1	31	206036	RUBBER PROFILE (0.50M)	1
16	1528425G	BREATHER	1	32	165113	SEAL KIT/HYD FILTER	1

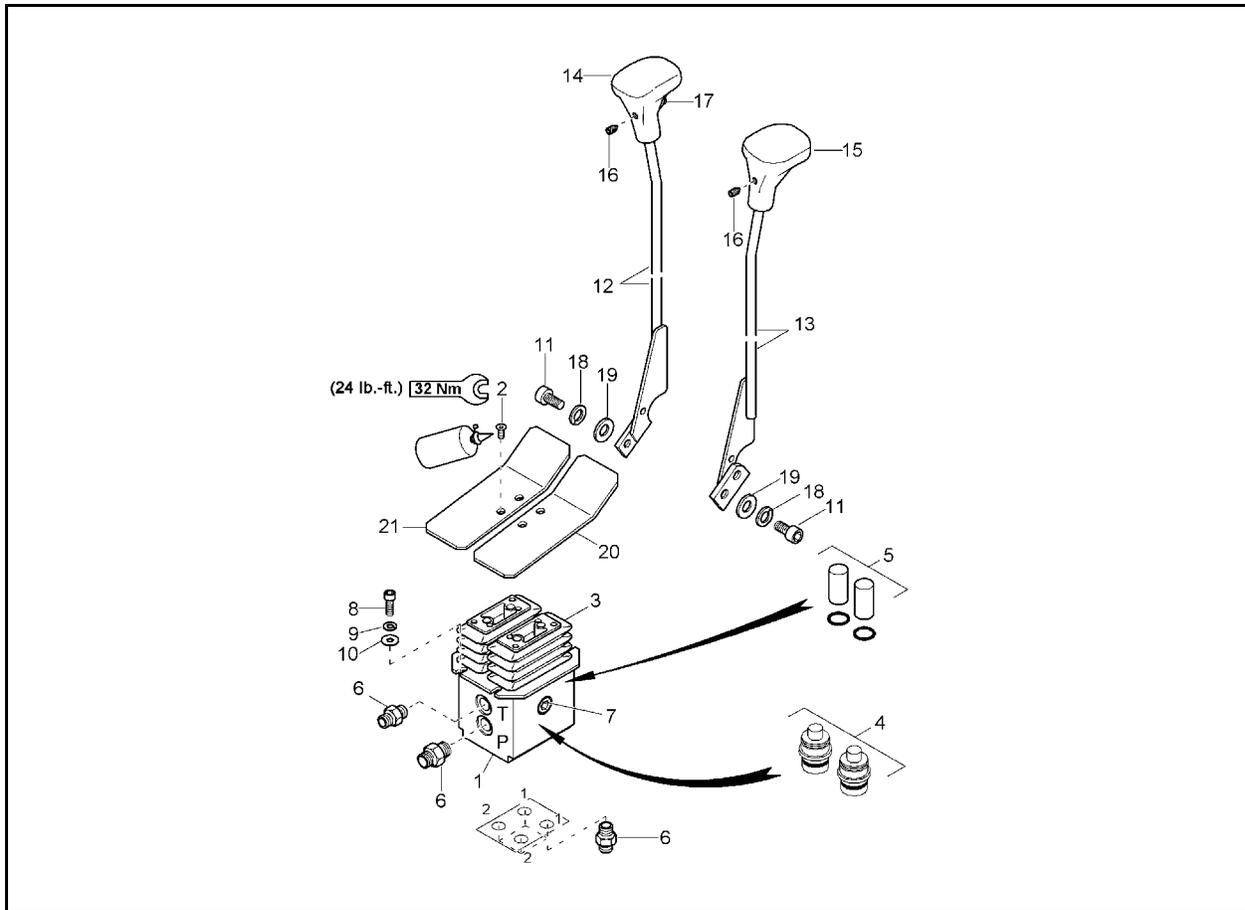
283Z - SWIVEL JOINT
1000176479



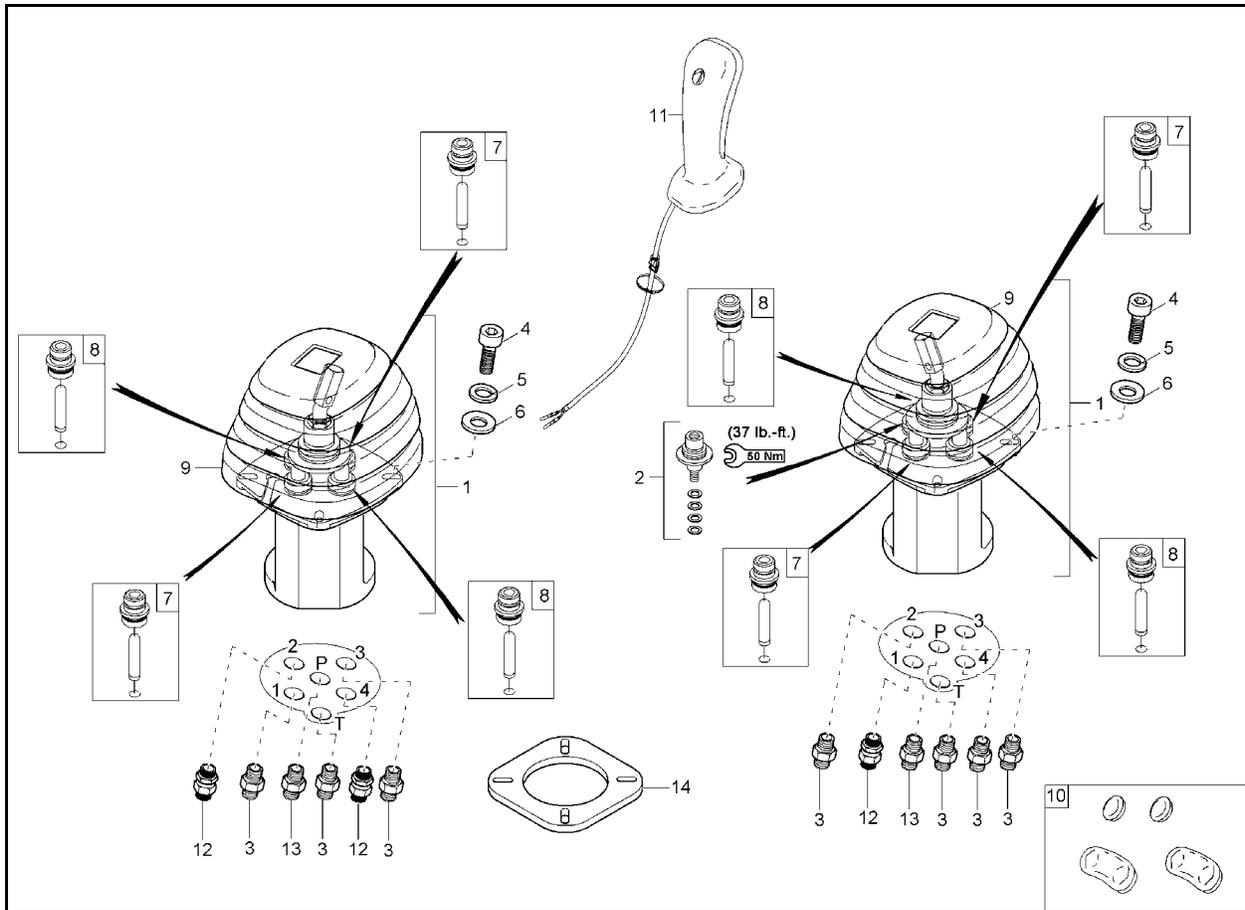
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206344	SWIVEL JOINT	1	5	161459	SCREW JOINT	4
2	206345	SEAL KIT	1	6	161443	90° FITTING	2
3	161426	SCREW JOINT	8	7	161444	90° FITTING	1
4	161448	TEE	2	8	163113	SCREW JOINT	4

283Z - TRAVEL PILOT VALVE

1000176531



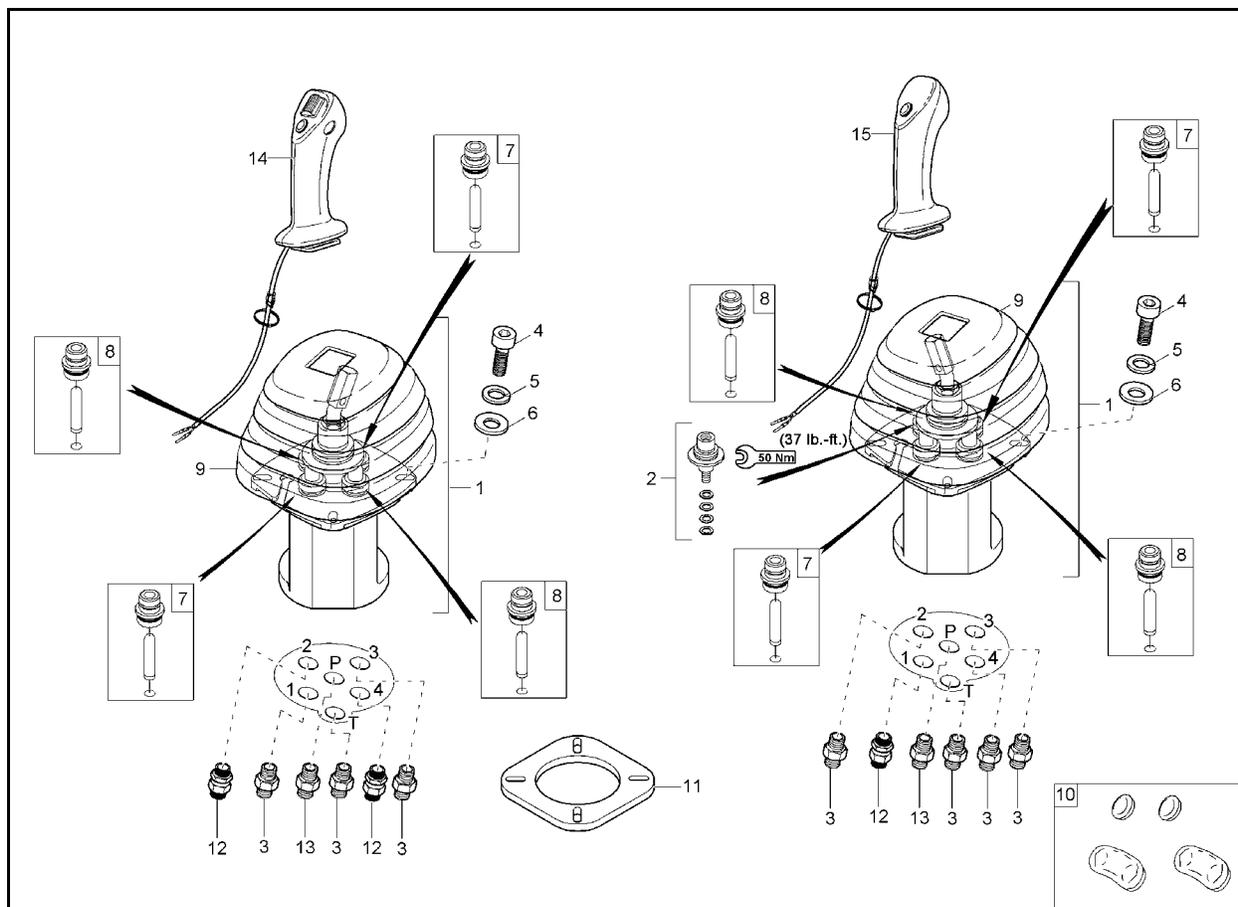
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	178947	TRAVEL PILOT VALVE COMPLETE	1	12	1423029G	TRAVEL LEVER LT	1
2	179775	SCREW	4	13	1423030G	TRAVEL LEVER RT	1
3	165522	BELLOWS	1	14	160658	KNOB W/RED SWITCH	1
4	165521	PLUNGER KITS	1	15	161764	KNOB	1
5	165520	DUMPING PLUNGERS KIT	1	16	162027	SET SCREW	2
6	161426	SCREW JOINT	6	17	161363	SWITCH	1
7	165514	SCREW	1	18	161669	LOCKWASHER S10	4
8	651516	SHCS M8-1.25X25 C8.8 ZY DIN912	4	19	161640	WASHER/GR A 10.5	4
9	163670	LOCKWASHER	4	20	178764	TRAVEL PEDAL RT	1
10	7462680011	WASHER 8.4 ST A2C	4	21	178763	TRAVEL PEDAL LT	1
11	656006	CS M10-1.5X20 C8.8 ZY DIN931	4				



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	205869	VALVE	2	8	205998	PLUNGER KIT	2
2	165037	UNIVERSAL JOINT	2	9	206002	BELLOWS	2
3	161426	SCREW JOINT	7	10	177652	RUBBER CAP	2
4	651507	SHCS M6-1X20 C8.8 ZY DIN912	8	11	165039	JOYSTICK	2
5	161675	LOCKWASHER S6	8	12	165976	RESTRICTOR	3
6	161660	WASHER GR A6.4 ZO DIN 125	8	13	164535	PILOT CONTROL RESTRICTOR	2
7	205999	PLUNGER KIT	2	14	178874	PLATE	1

283Z - JOYSTICKS (OPTION)

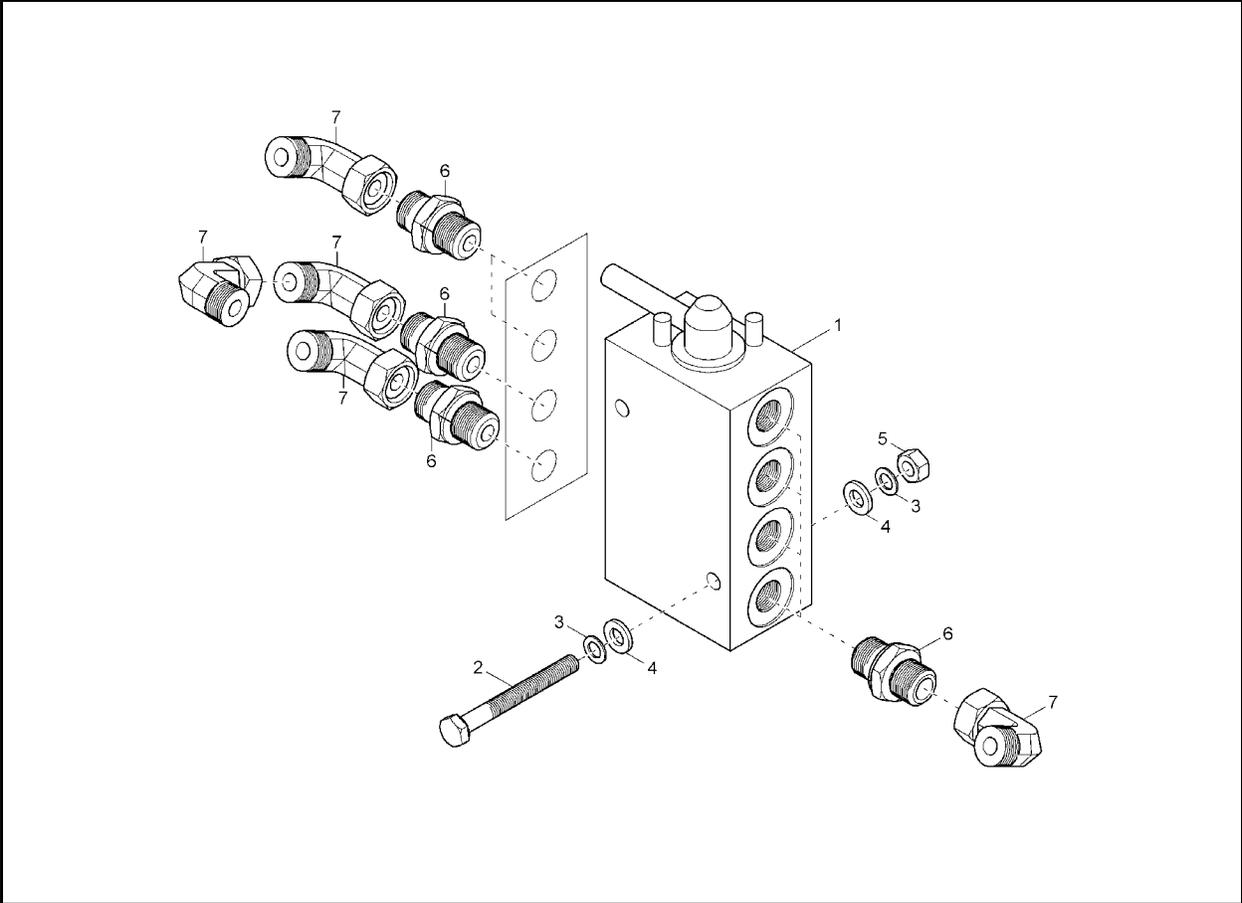
1000177310



Ref. No.	Part No.	Description	Qty.
1	205869	VALVE	2
2	165037	UNIVERSAL JOINT	2
3	161426	SCREW JOINT	7
4	651507	SHCS M6-1X20 C8.8 ZY DIN912	8
5	161675	LOCKWASHER S6	8
6	161660	WASHER GR A6.4 ZO DIN 125	8
7	205999	PLUNGER KIT	2
8	205998	PLUNGER KIT	2

Ref. No.	Part No.	Description	Qty.
9	206002	BELLOW	2
10	177652	RUBBER CAP	2
11	178874	PLATE	1
12	165976	RESTRICTOR	3
13	164535	PILOT CONTROL RESTRICTOR	2
14	201832	KIT/JOYSTICK LT/PROPORTIONAL	1
15	201830	KIT/JOYSTICK RT	1

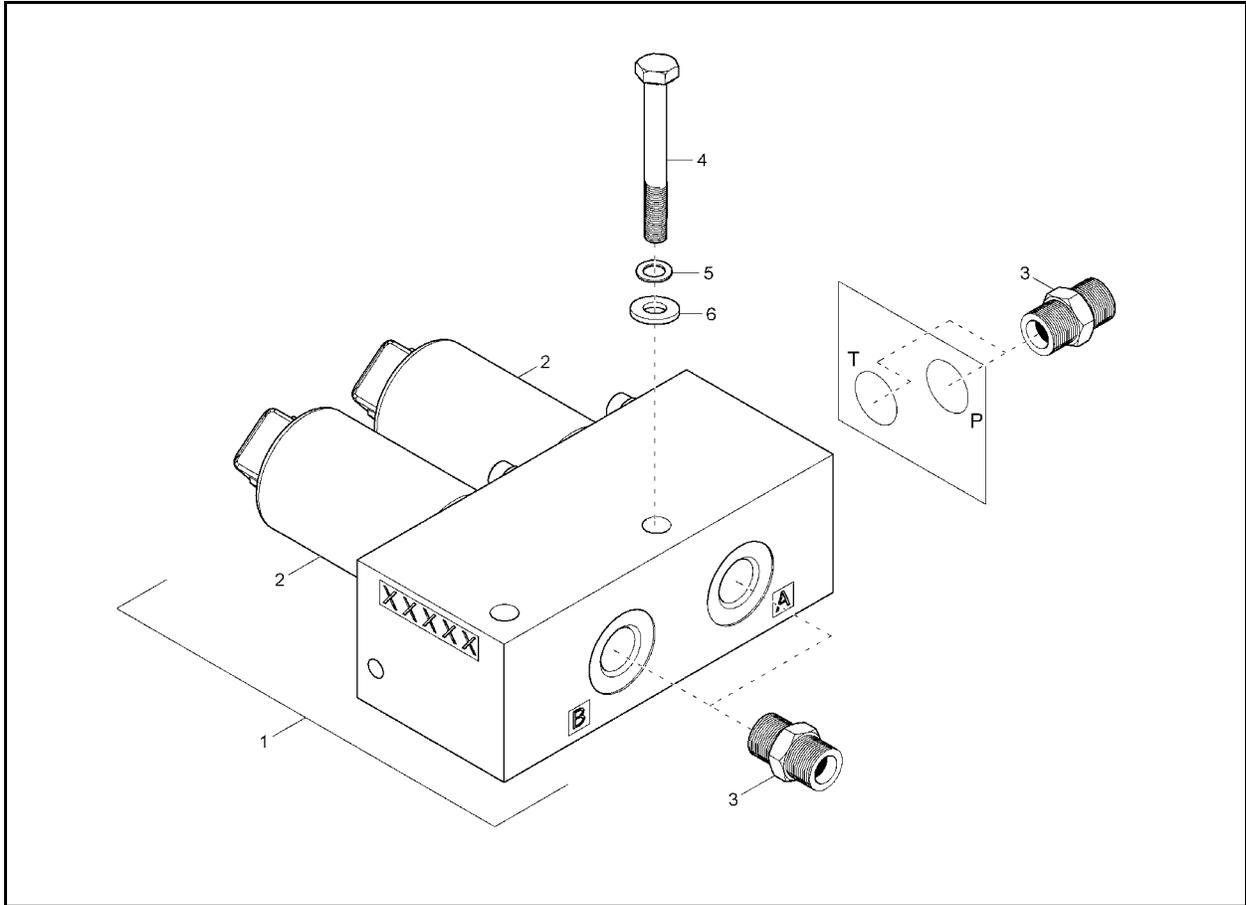
283Z - ISO/SAE VALVE
1000177186



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	1408450G	ISO/SAE VALVE	1	5	656047	HN M6-1 C8 ZY DIN934	2
2	165924	SCREW	2	6	161426	SCREW JOINT	8
3	161675	LOCKWASHER S6	4	7	161443	90° FITTING	9
4	161660	WASHER GR A6.4 ZO DIN 125	4				

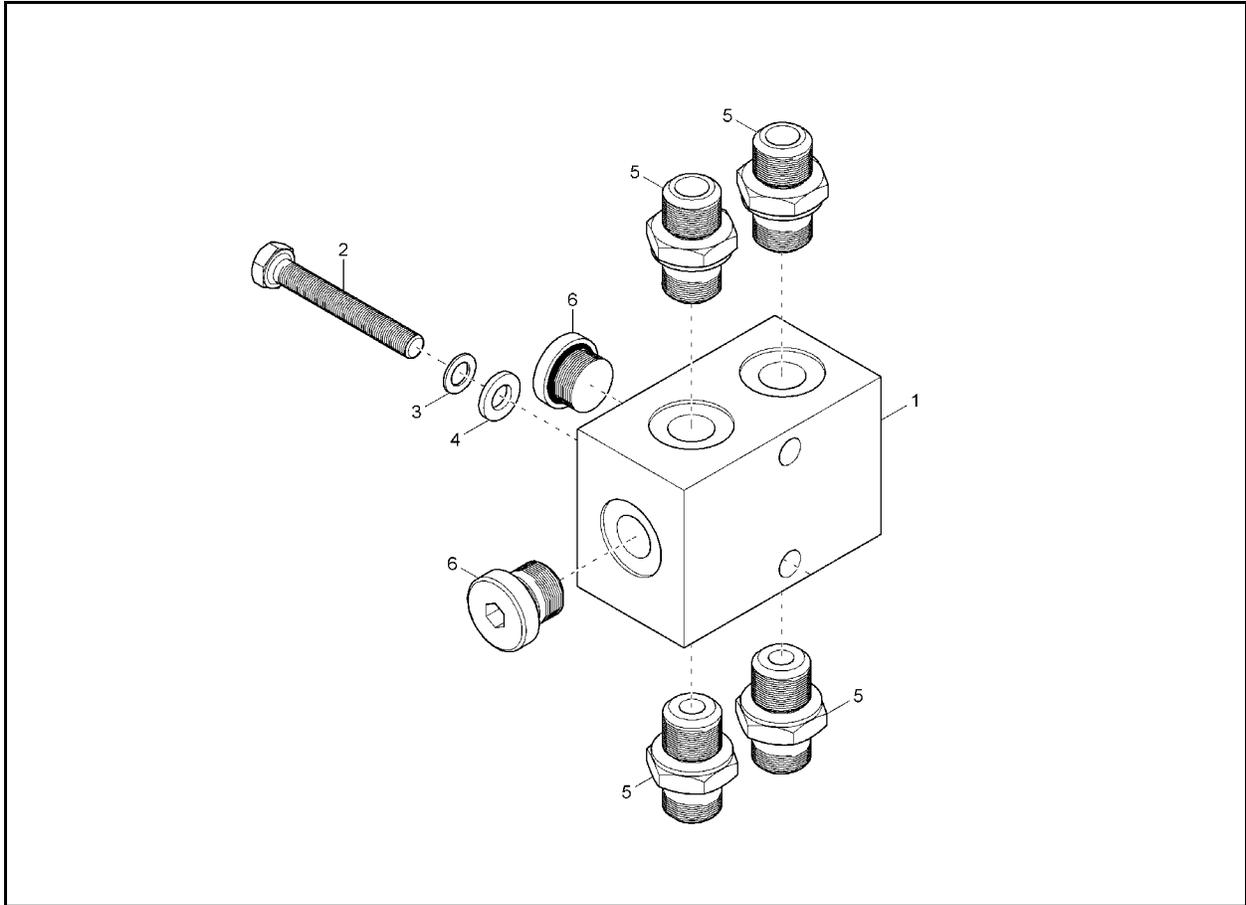
283Z - PROPORTIONAL VALVE (OPTION)

1000177309



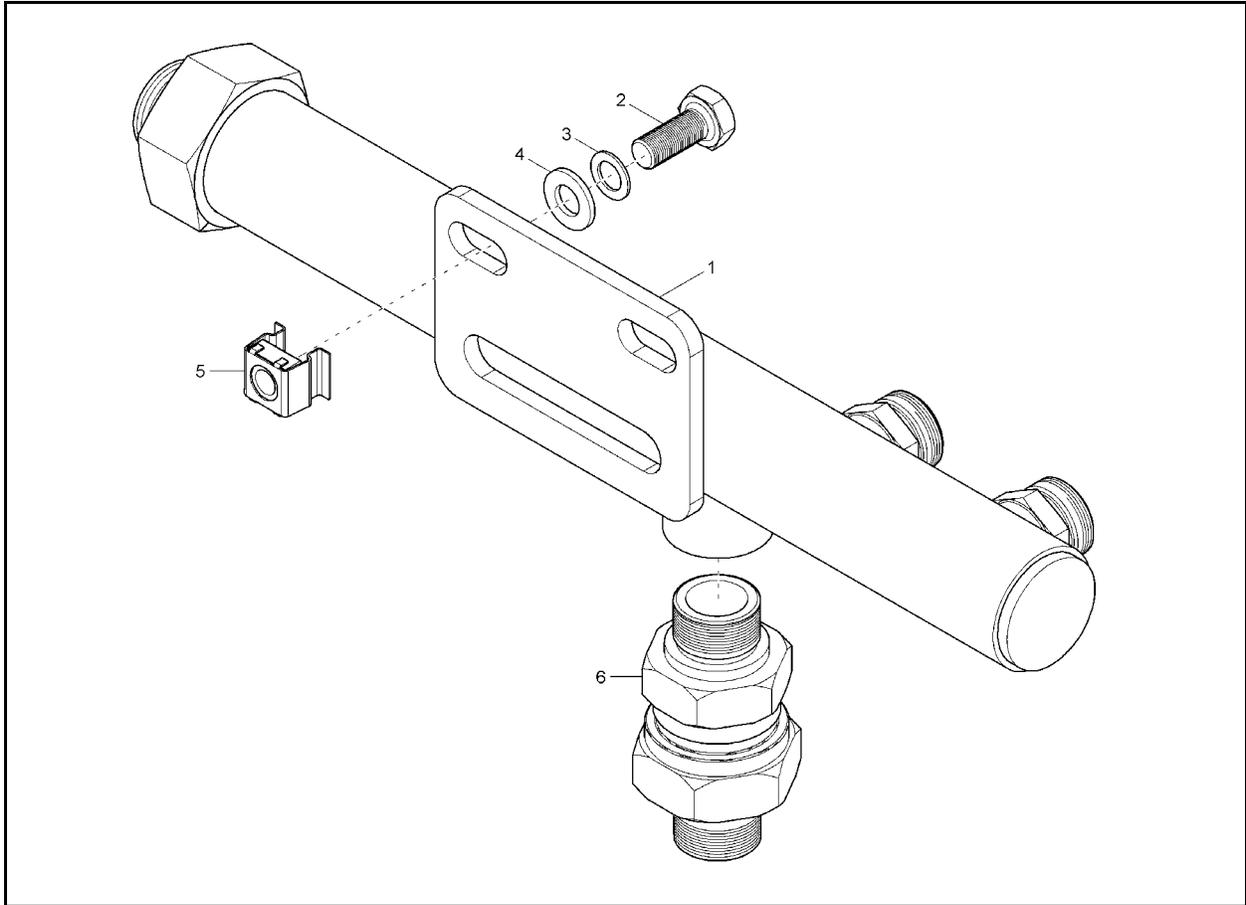
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	205930	PROPORTIONAL VALVE	1	4	165924	SCREW	2
2	205724	SOLENOID	2	5	161675	LOCKWASHER S6	2
3	161426	SCREW JOINT	4	6	161660	WASHER GR A6.4 ZO DIN 125	2

283Z - MANIFOLD BLOCK
1000176534



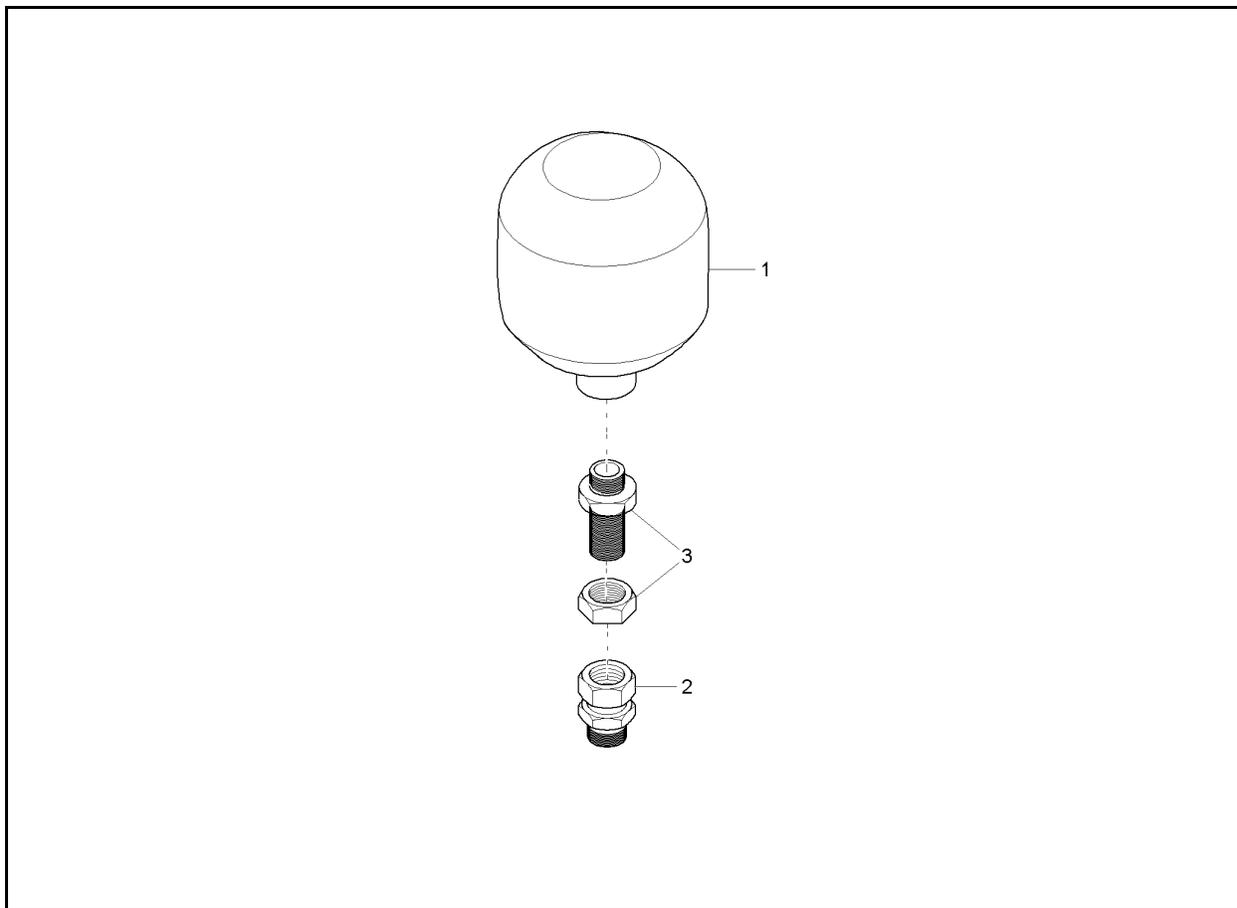
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	165089	MANIFOLD BLOCK	1	4	161660	WASHER GR A6.4 ZO DIN 125	2
2	162028	SCREW	2	5	161426	SCREW JOINT	4
3	161675	LOCKWASHER S6	2	6	161414	SCREW	2

283Z - MANIFOLD
1000176748



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201619	MANIFOLD	1	4	161640	WASHER/GR A 10.5	2
2	651393	CS M10-1.5X25 C8.8 ZY	2	5	161610	NUT/CAGE M10	2
3	161669	LOCKWASHER S10	2	6	201709	NON-RETURN VALVE	1

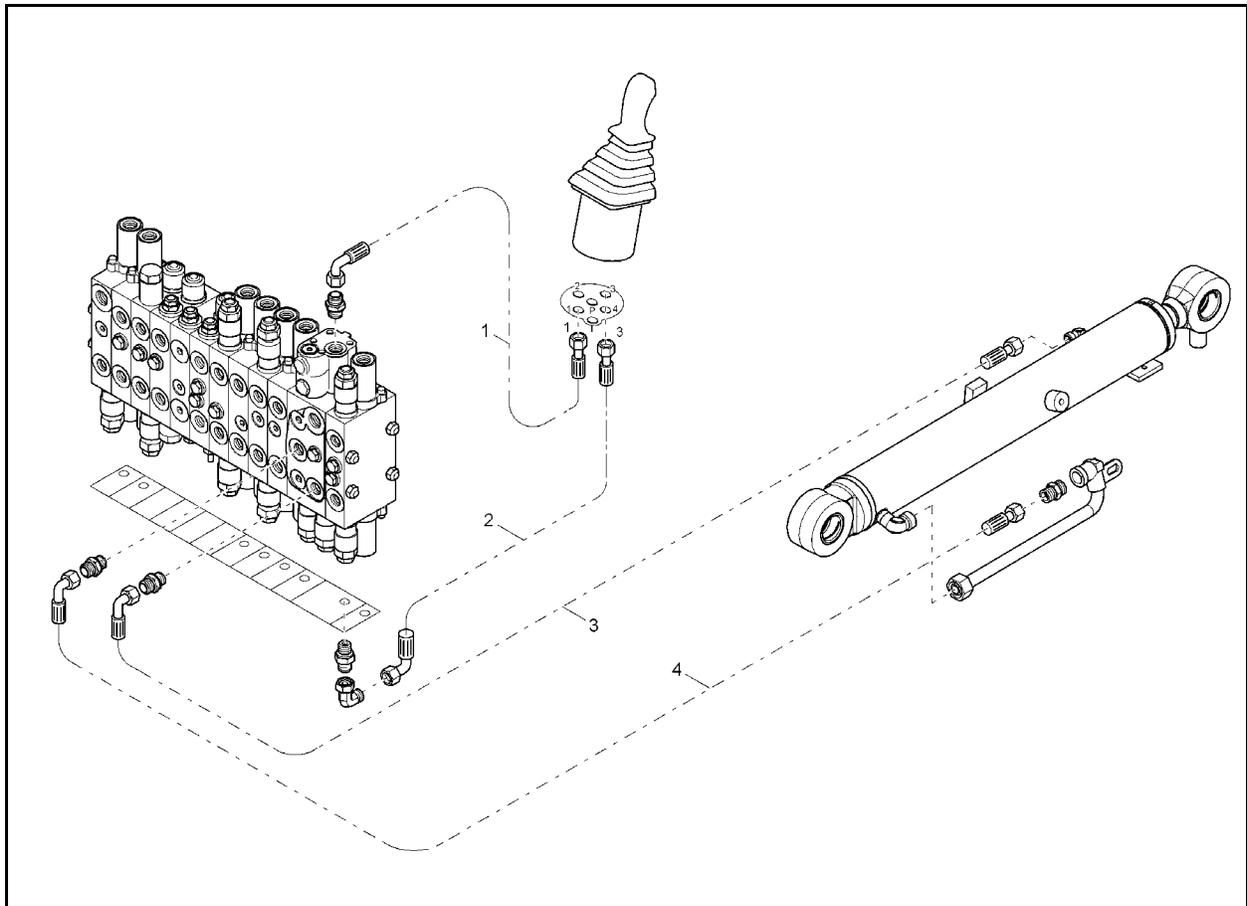
283Z - ACCUMULATOR
1000153775



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160437	ACCUMULATOR	1	3	177911	LOCK SCREW CONNECTION	1
2	161460	REDUCTION JOINT	1				

283Z - BOOM CYLINDER INSTALLATION

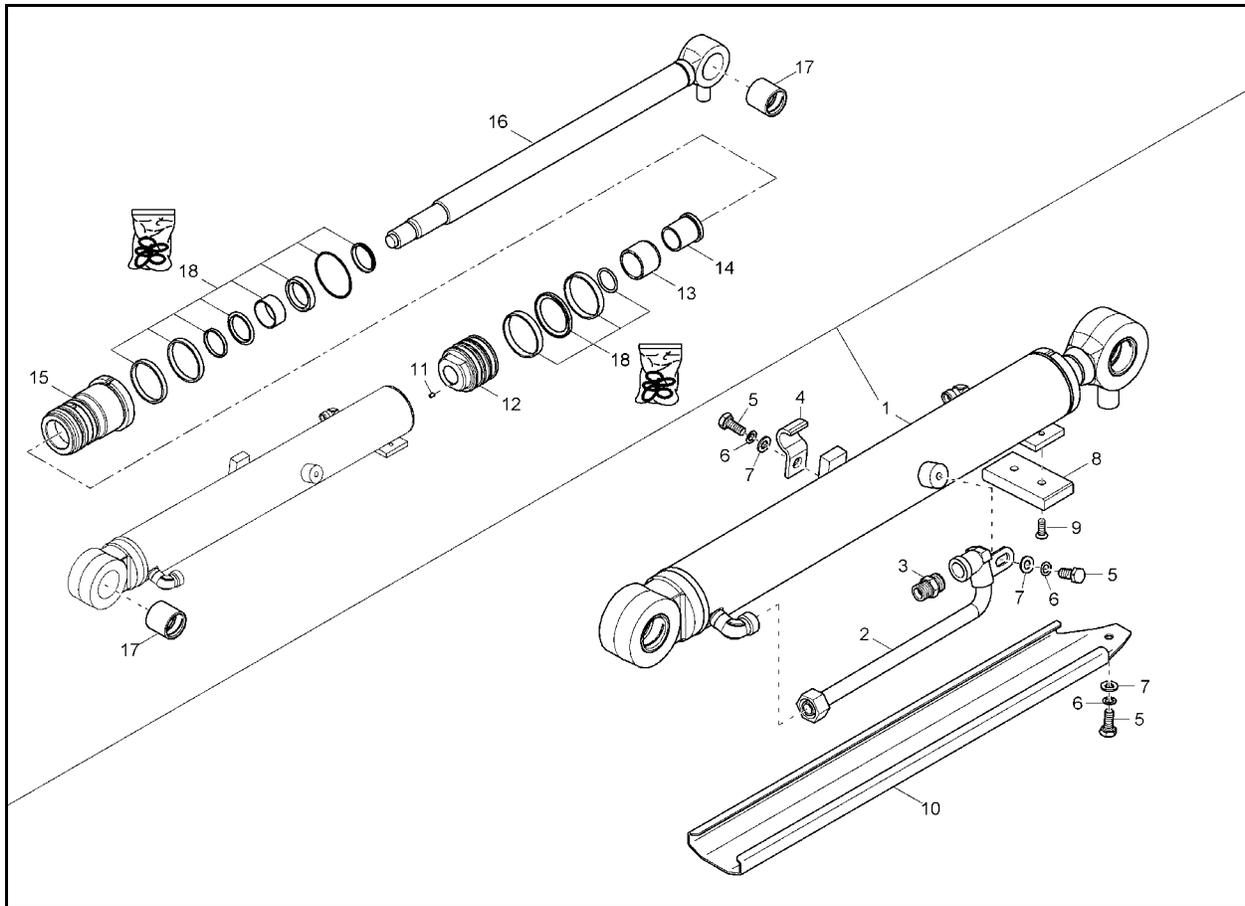
1000177437



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	164793	HP HOSE	1	3	201620	HP HOSE	1
2	162447	HP HOSE	1	4	201621	HP HOSE	1

283Z - BOOM CYLINDER

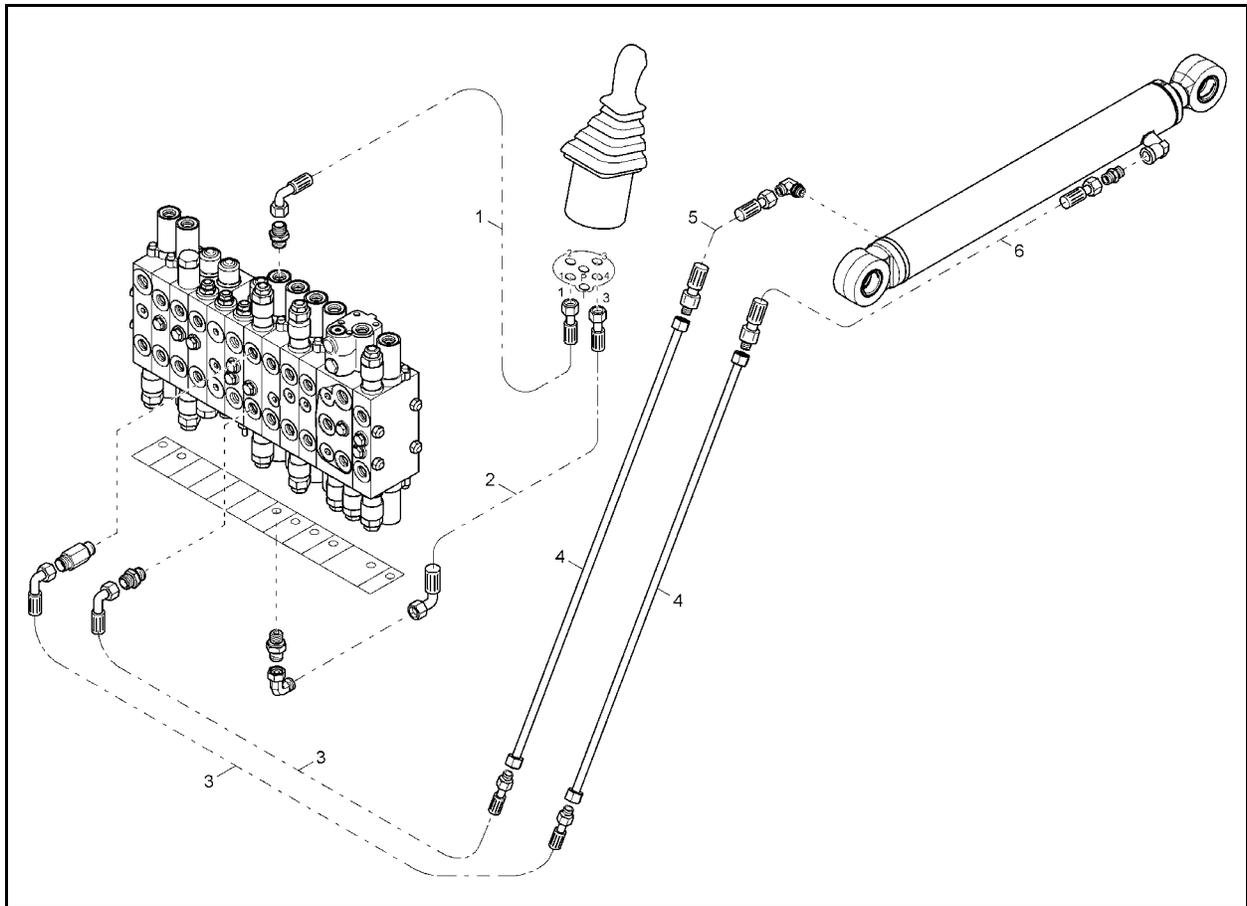
1000177306



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201622	BOOM CYLINDER	1	10	201624	PROTECTING RAIL	1
2	201623	HYDRAULIC PIPE	1	11	162481	SET SCREW	1
3	161430	SCREW JOINT	1	12	205921	PISTON	1
4	163377	CLAMP	1	13	201625	BUSHING	1
5	656006	CS M10-1.5X20 C8.8 ZY DIN931	3	14	201626	BUSHING	1
6	161669	LOCKWASHER S10	3	15	201627	GUIDE BUSHING	1
7	161640	WASHER/GR A 10.5	3	16	201628	PISTON ROD	1
8	205838	GUIDE	1	17	205735	STEEL BUSHING	2
9	651466	FHSCS M8-1.25X20 C8.8 ZY DIN7991	2	18	201629	SEAL KIT	1

283Z - DIPPER ARM INSTALLATION

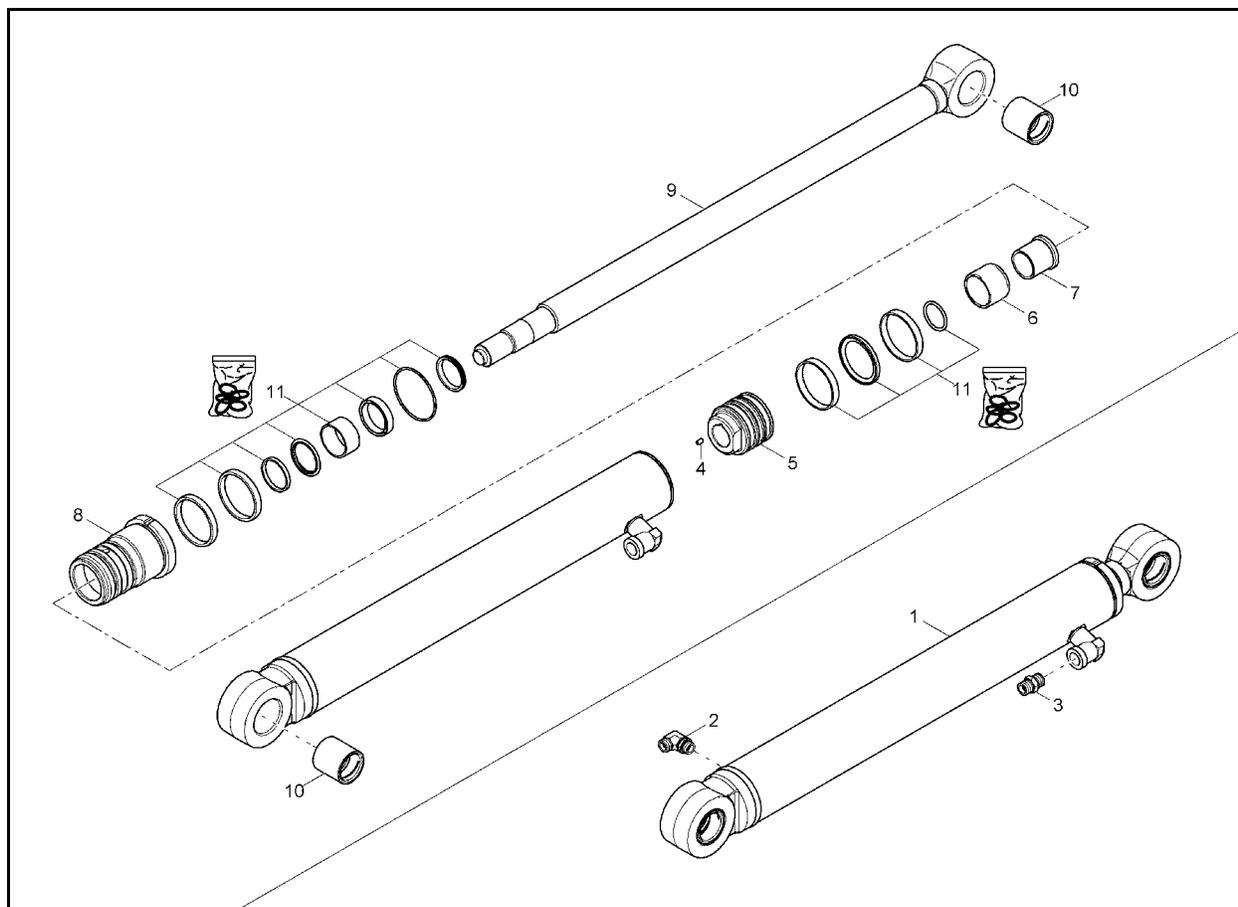
1000177438



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	164849	HP HOSE	1	4	201631	HYDRAULIC TUBE	2
2	201593	HP HOSE	1	5	201632	HP HOSE	1
3	201630	HP HOSE	2	6	201633	HP HOSE	1

283Z - DIPPER ARM CYLINDER

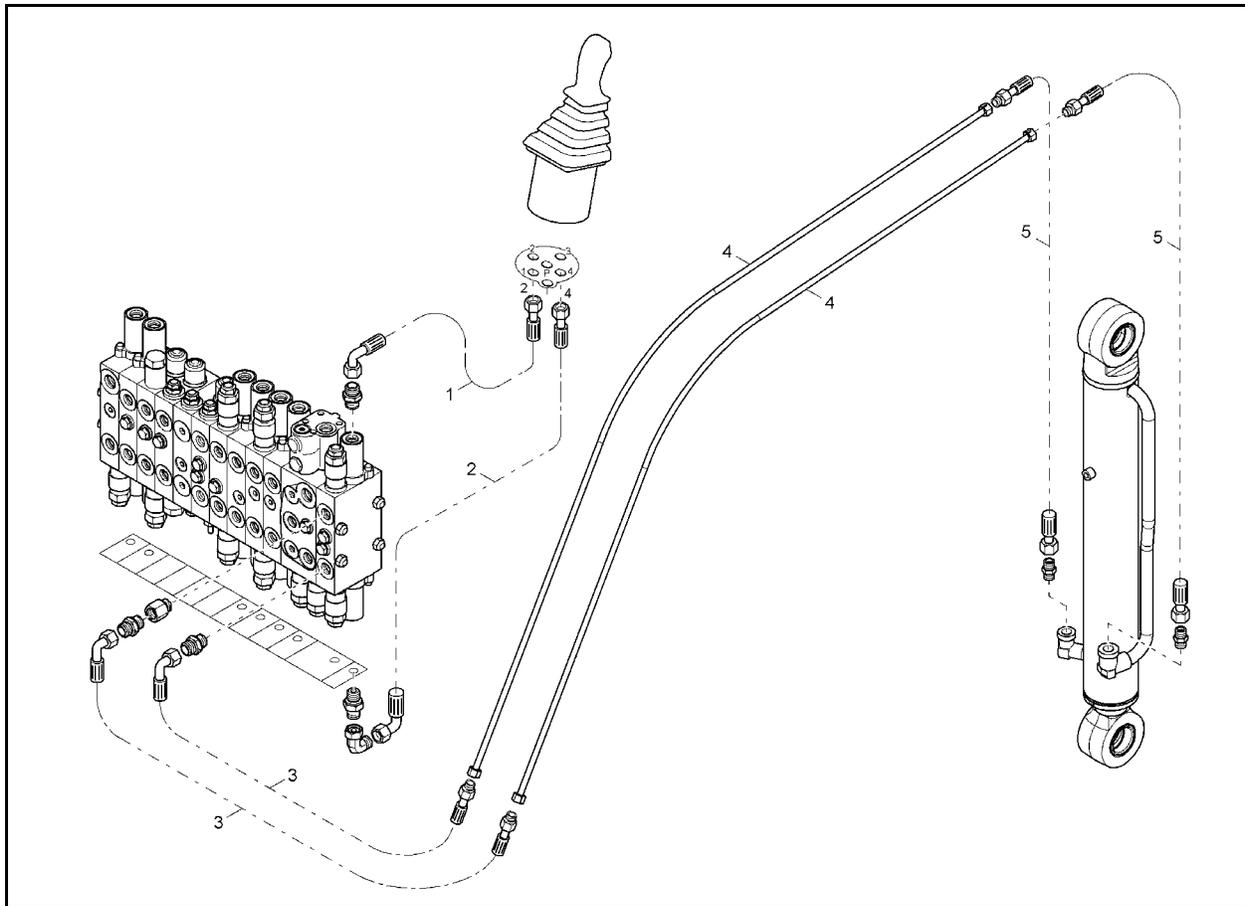
1000176420



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201634	DIPPER ARM CYLINDER	1	7	165674	BUSHING	1
2	201635	SCREW JOINT	1	8	201637	GUIDE BUSHING	1
3	161430	SCREW JOINT	1	9	201638	PISTON ROD	1
4	162481	SET SCREW	1	10	205735	STEEL BUSHING	2
5	201636	PISTON	1	11	201639	SEAL KIT	1
6	165675	BUSHING	1				

283Z - BUCKET CYLINDER INSTALLATION

1000177439

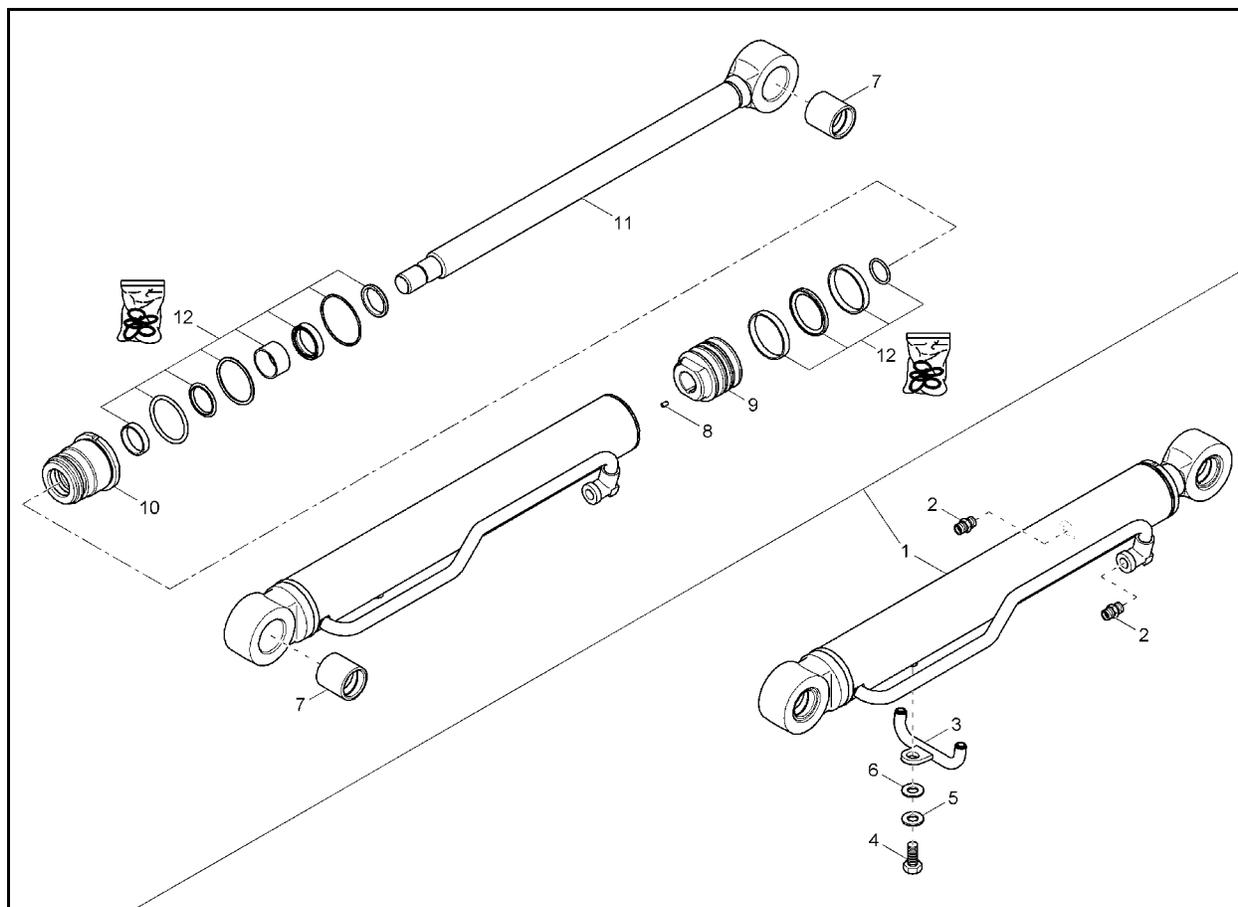


Ref. No.	Part No.	Description	Qty.
1	164793	HP HOSE	1
2	162447	HP HOSE	1
3	201630	HP HOSE	2

Ref. No.	Part No.	Description	Qty.
4	201640	HYDRAULIC TUBE	2
5	201641	HP HOSE	2

283Z - BUCKET CYLINDER

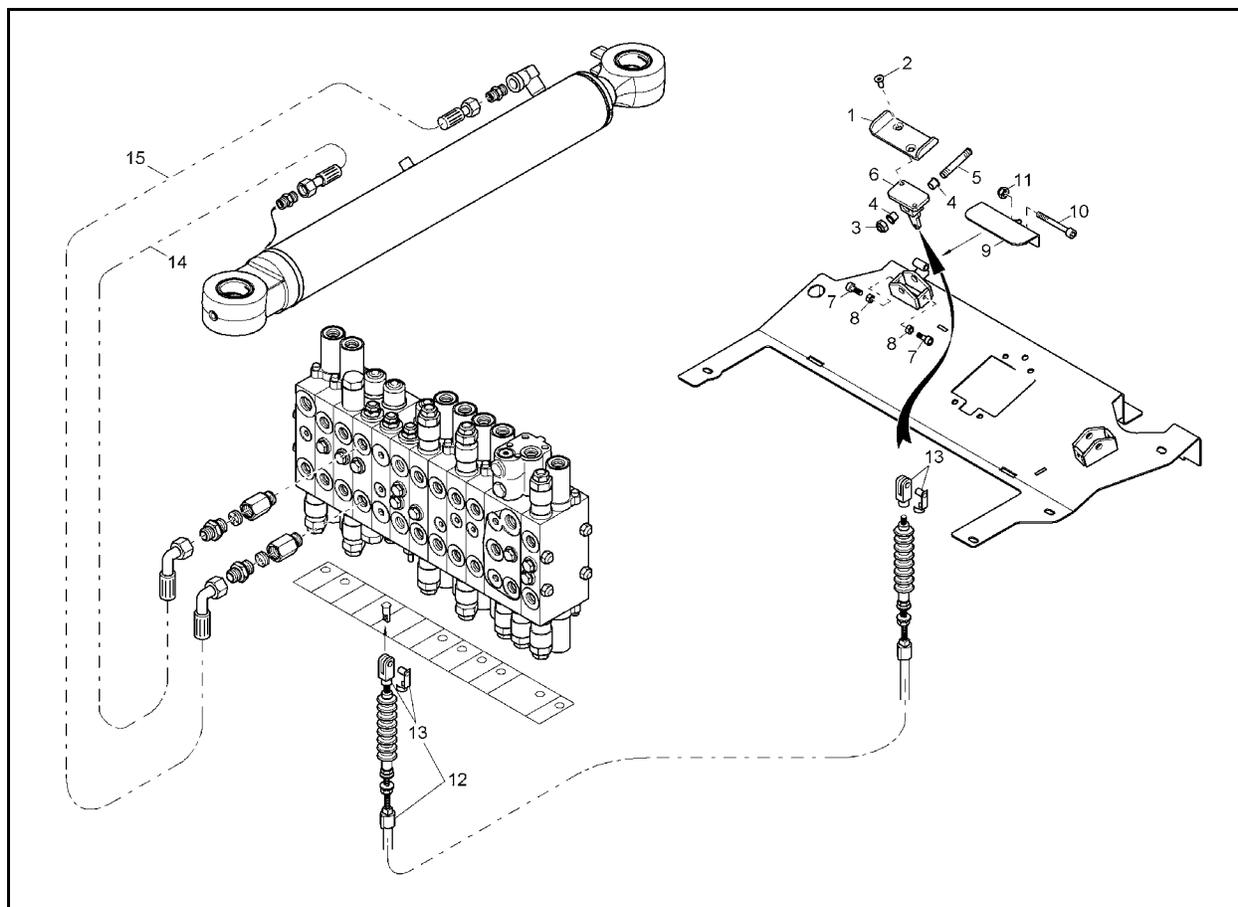
1000176471



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201642	BUCKET CYLINDER	1	7	205735	STEEL BUSHING	2
2	161429	SCREW JOINT 12L	2	8	162481	SET SCREW	1
3	177899	BRACKET HOSE	1	9	201643	PISTON	1
4	656090	CS M10-1.5X16 C8.8 ZY DIN931	1	10	201644	GUIDE BUSHING	1
5	161669	LOCKWASHER S10	1	11	201645	PISTON ROD	1
6	161640	WASHER/GR A 10.5	1	12	201646	SEAL KIT	1

283Z - BOOM OFFSET CYLINDER INSTALLATION

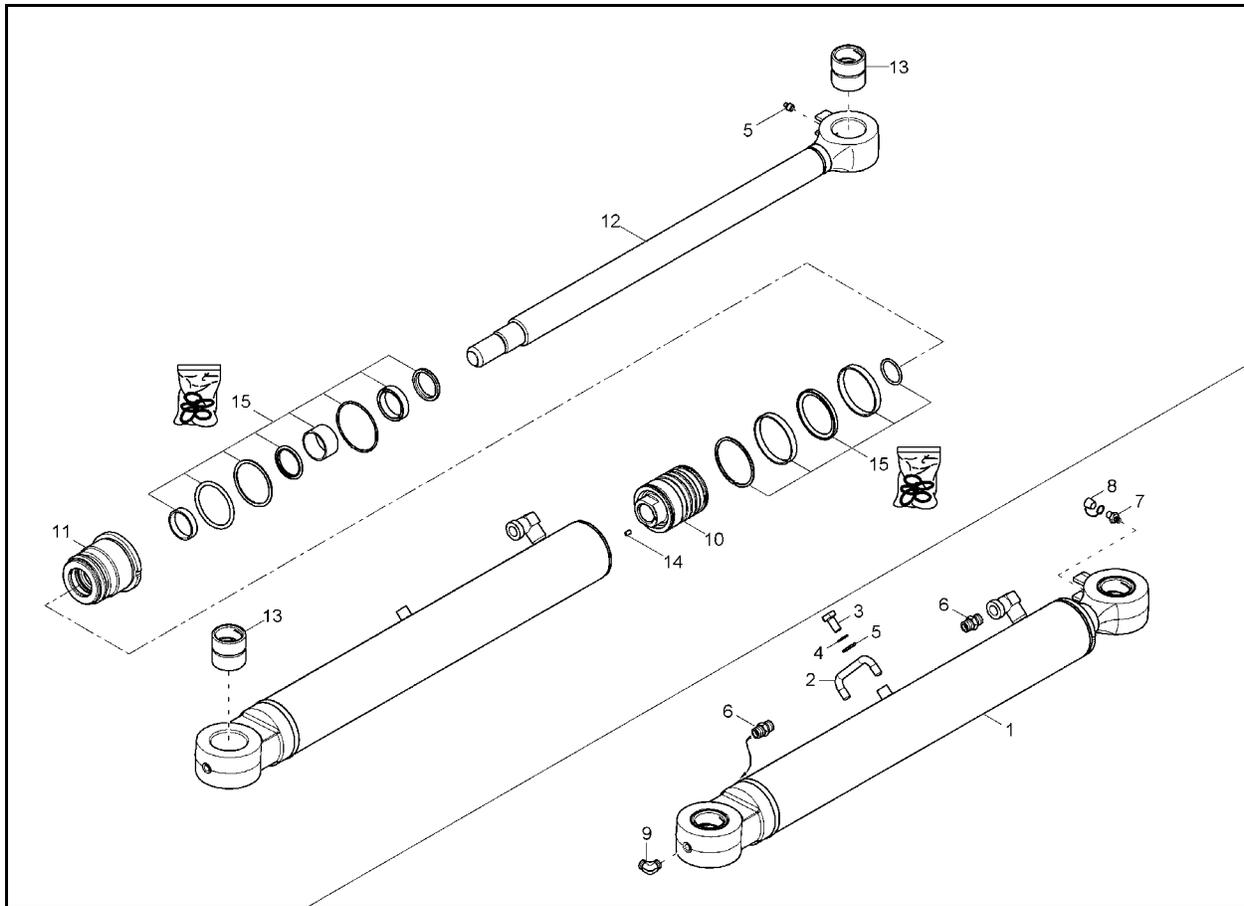
1000177441



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201647	PEDAL	1	9	201649	COVER	1
2	651465	FHSCS M8-1.25X16 C8.8 ZY DIN7991	2	10	165928	SCREW	1
3	179793	NUT	1	11	651458	LN INS M8-1.25 C8 ZY DIN6924	1
4	165567	BEARING	2	12	201650	CABLE (INCLUDES 13)	1
5	165550	PIN	1	13	179862	CLEVIS	2
6	201648	PIVOT	1	14	161248	HP HOSE	1
7	651516	SHCS M8-1.25X25 C8.8 ZY DIN912	2	15	162404	HP HOSE	1
8	656048	HN M8-1.25 C8 ZY DIN934	2				

283Z - BOOM OFFSET CYLINDER

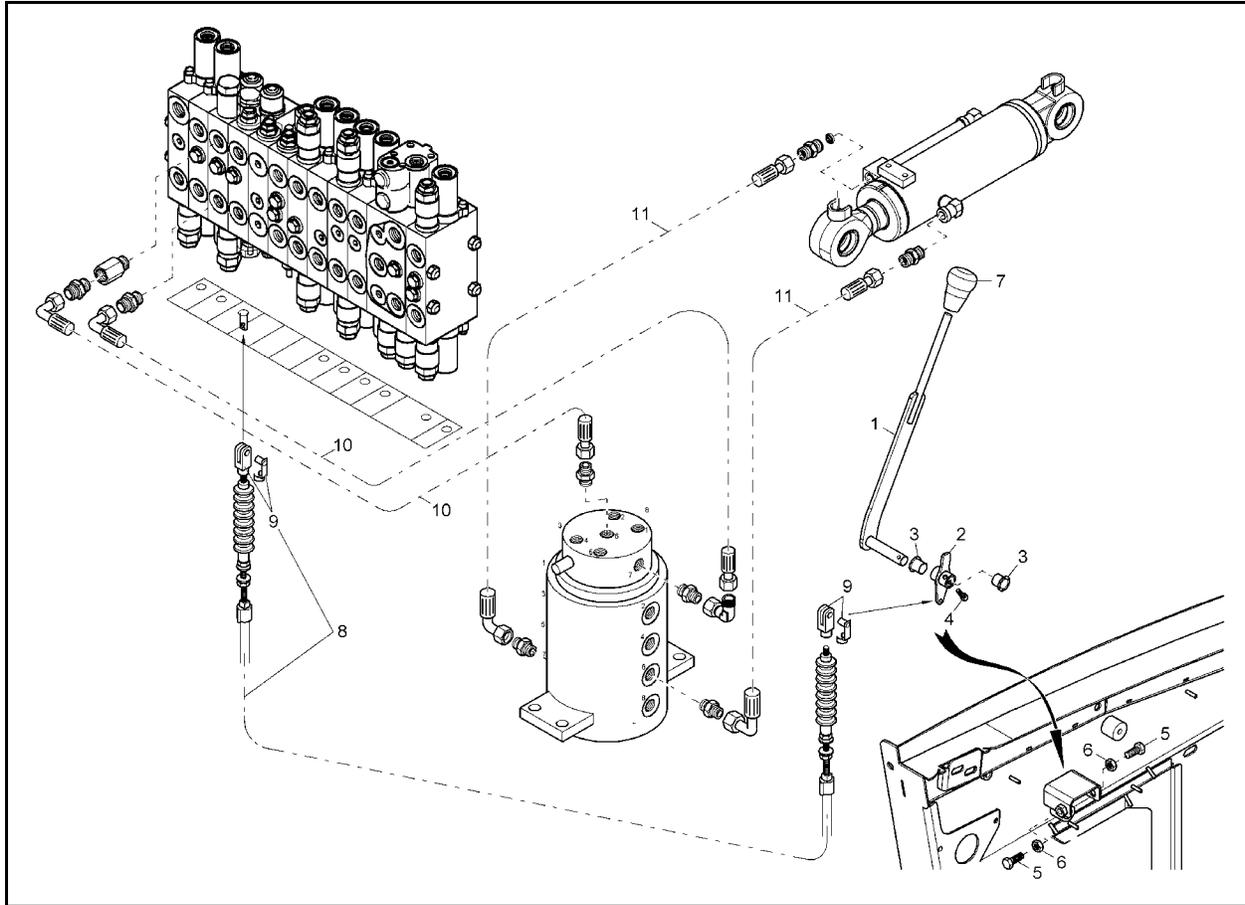
1000176417



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201651	BOOM OFFSET CYLINDER	1	9	161457	ELBOW	1
2	177899	BRACKET HOSE	1	10	201652	PISTON	1
3	656006	CS M10-1.5X20 C8.8 ZY DIN931	1	11	205951	GUIDE BUSHING	1
4	161669	LOCKWASHER S10	1	12	201653	PISTON ROD	1
5	161640	WASHER/GR A 10.5	1	13	161538	BUSHING	2
6	161427	SCREW JOINT	2	14	161400	SET SCREW	1
7	165823	GREASE FITTING	1	15	201654	SEAL KIT	1
8	161422	CAP	1				

283Z - DOZER BLADE INSTALLATION

1000177440

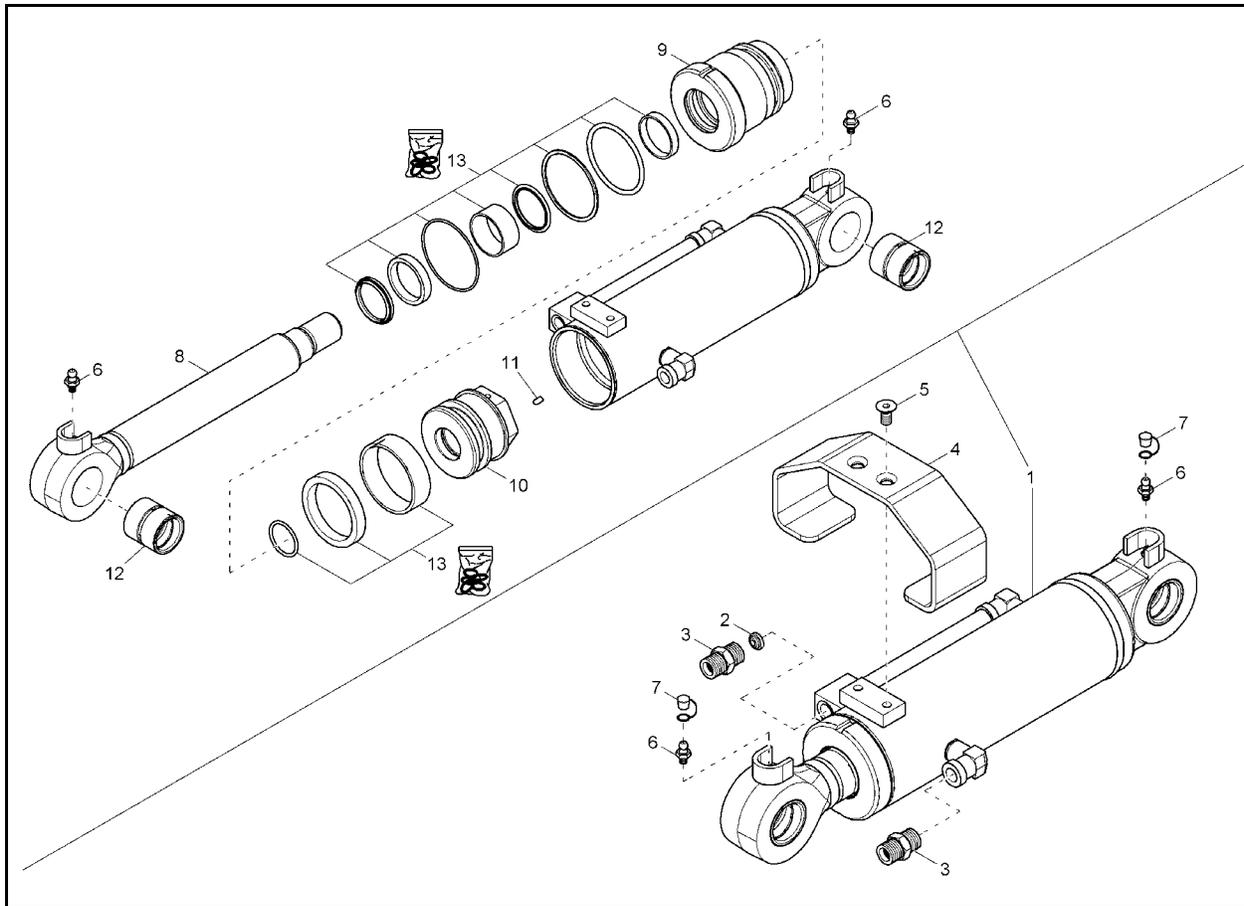


Ref. No.	Part No.	Description	Qty.
1	201655	DOZER BLADE LEVER	1
2	201656	LEVER	1
3	1428451G	BEARING	2
4	651507	SHCS M6-1X20 C8.8 ZY DIN912	1
5	651397	CS M10-1.5X35 C8.8 ZY	2
6	656102	HN M10-1.25 F8 ZY DIN934	2

Ref. No.	Part No.	Description	Qty.
7	162398	KNOB	1
8	165058	CABLE (INCLUDES 9)	1
9	179862	CLEVIS	1
10	161268	HP HOSE	2
11	161257	HP HOSE	2

283Z - DOZER BLADE CYLINDER

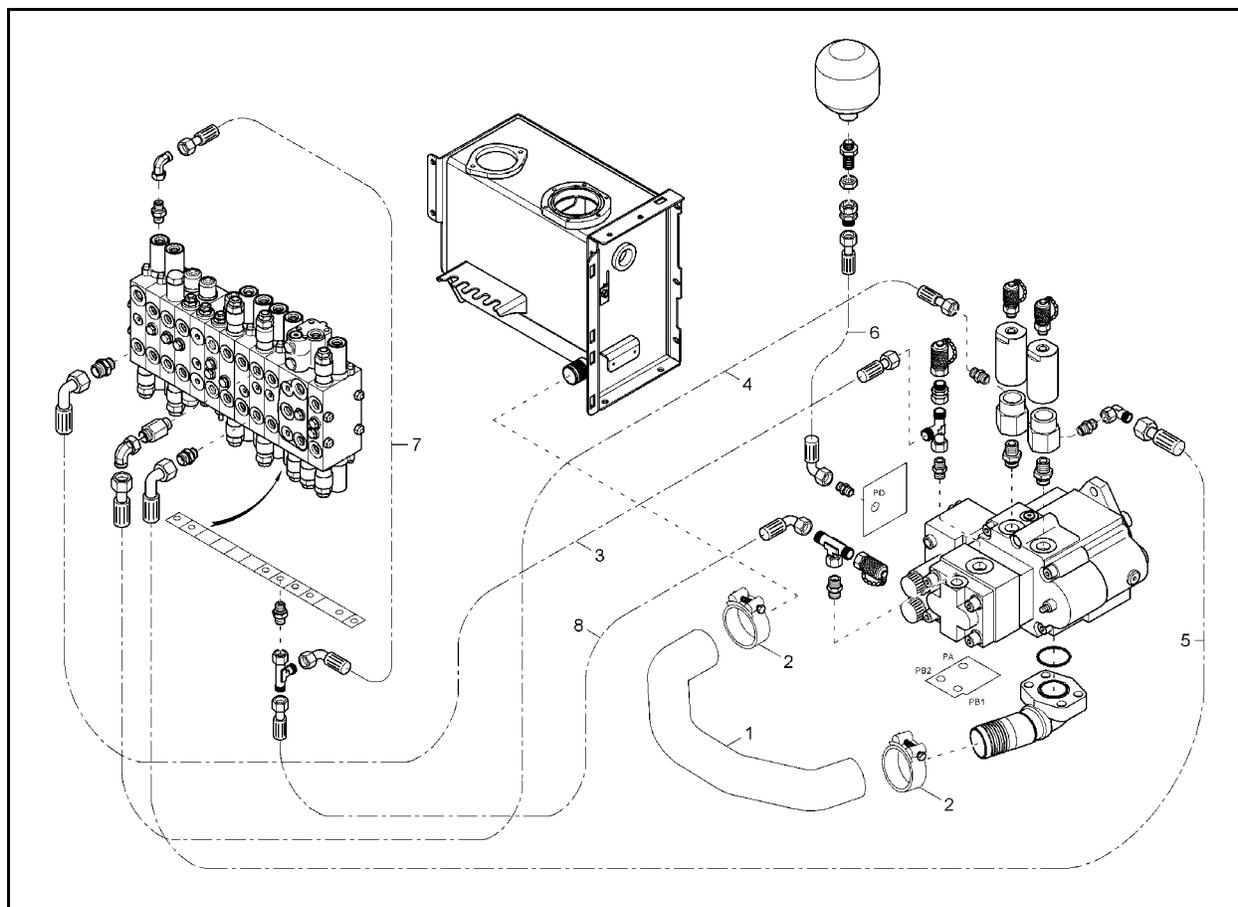
1000177307



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	165631	DOZER BLADE CYLINDER COMPLETE	1	8	165665	PISTON ROD	1
2	165537	TUBE BURST PROTECTION	1	9	165667	CYLINDER HEAD	1
3	161427	SCREW JOINT	2	10	165666	PISTON	1
4	162360	HOSE BRACKET	1	11	161400	SET SCREW	1
5	179775	SCREW	2	12	161538	BUSHING	2
6	161412	GREASE ZERK-9MM HEX HEAD	2	13	165669	SEAL KIT	1
7	161422	CAP	2				

283Z - HYDRAULIC PUMP INSTALLATION

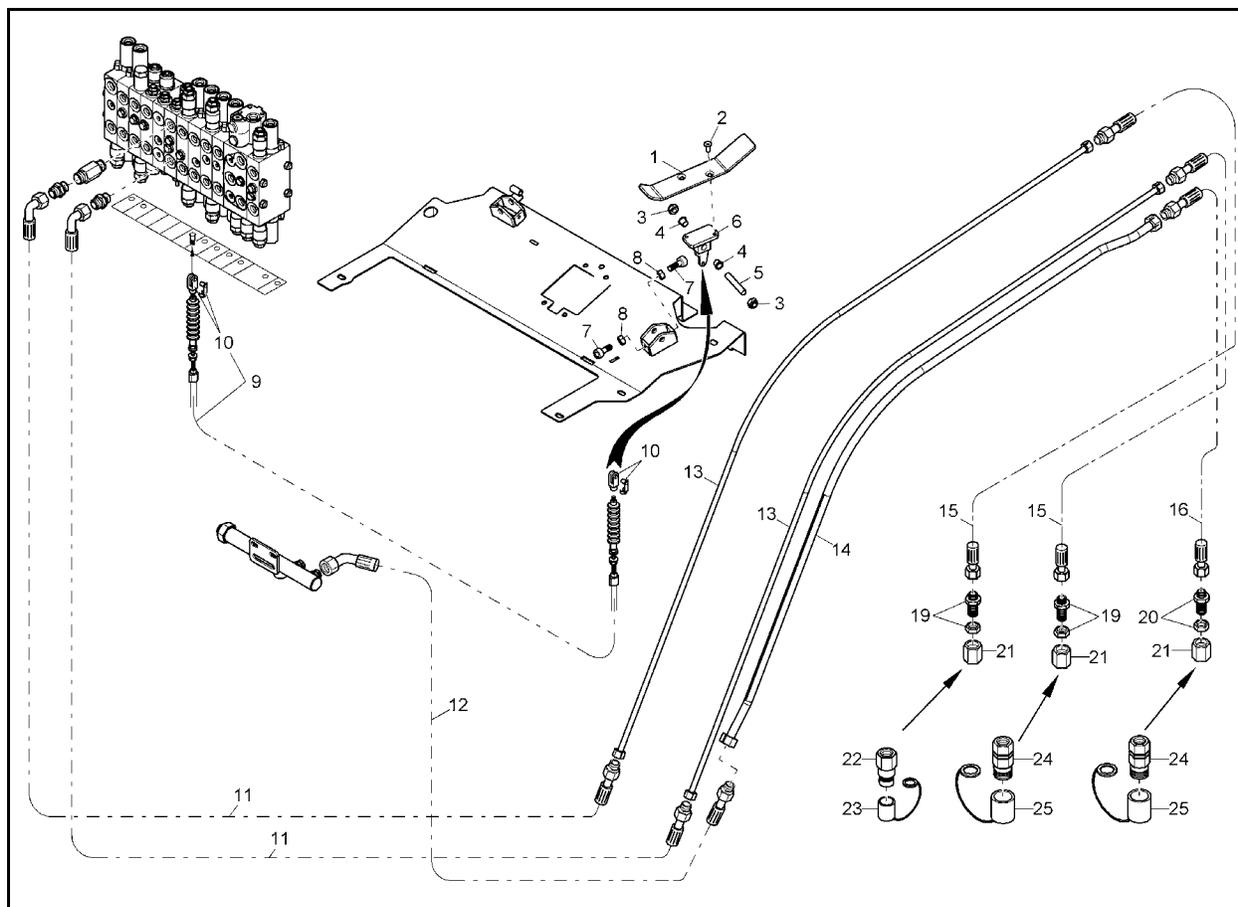
1000177431



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201657	HOSE	1	5	165888	HP HOSE	1
2	179856	HOSE CLAMP	2	6	162447	HP HOSE	1
3	201658	HP HOSE	1	7	177227	HP HOSE	1
4	201659	HP HOSE	1	8	161236	HP HOSE	1

283Z - AUXILIARY HYDRAULICS INSTALLATION

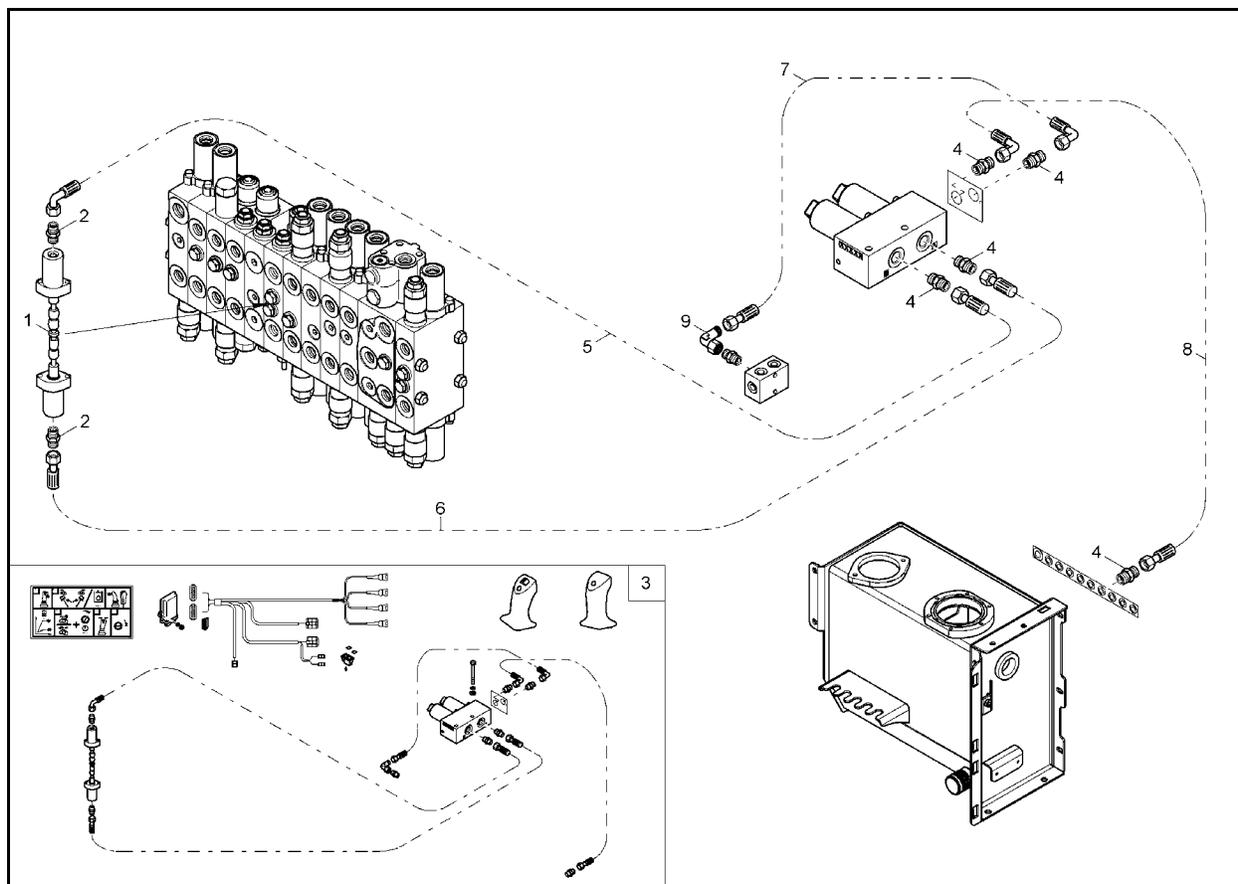
1000177442



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206346	PEDAL	1	13	201640	PIPE LINE	2
2	651465	FHSCS M8-1.25X16 C8.8 ZY DIN7991	2	14	201662	PIPE LINE	1
3	179793	NUT	2	15	201663	HP HOSE	2
4	165567	BEARING	2	16	201664	HP HOSE	2
5	165550	PIN	1	18	177804	CAP	2
6	201648	PIVOT	1	19	201665	LOCK SCREW CONNECTION	2
7	651516	SHCS M8-1.25X25 C8.8 ZY DIN912	2	20	177911	LOCK SCREW CONNECTION	1
8	656048	HN M8-1.25 C8 ZY DIN934	2	21	177691	LOCKING CAP	3
9	165058	CABLE (INCLUDES 10)	1	22	177797	COUPLING/MALE A13 BG3	1
10	179862	CLEVIS	2	23	177803	CAP	1
11	201630	HP HOSE	2	24	177798	COUPLING/FEMALE A13 BG3	2
12	201660	HP HOSE	1				

283Z - PROPORTIONAL CONTROL HYD. INSTALLATION (OPTION)

1000177445



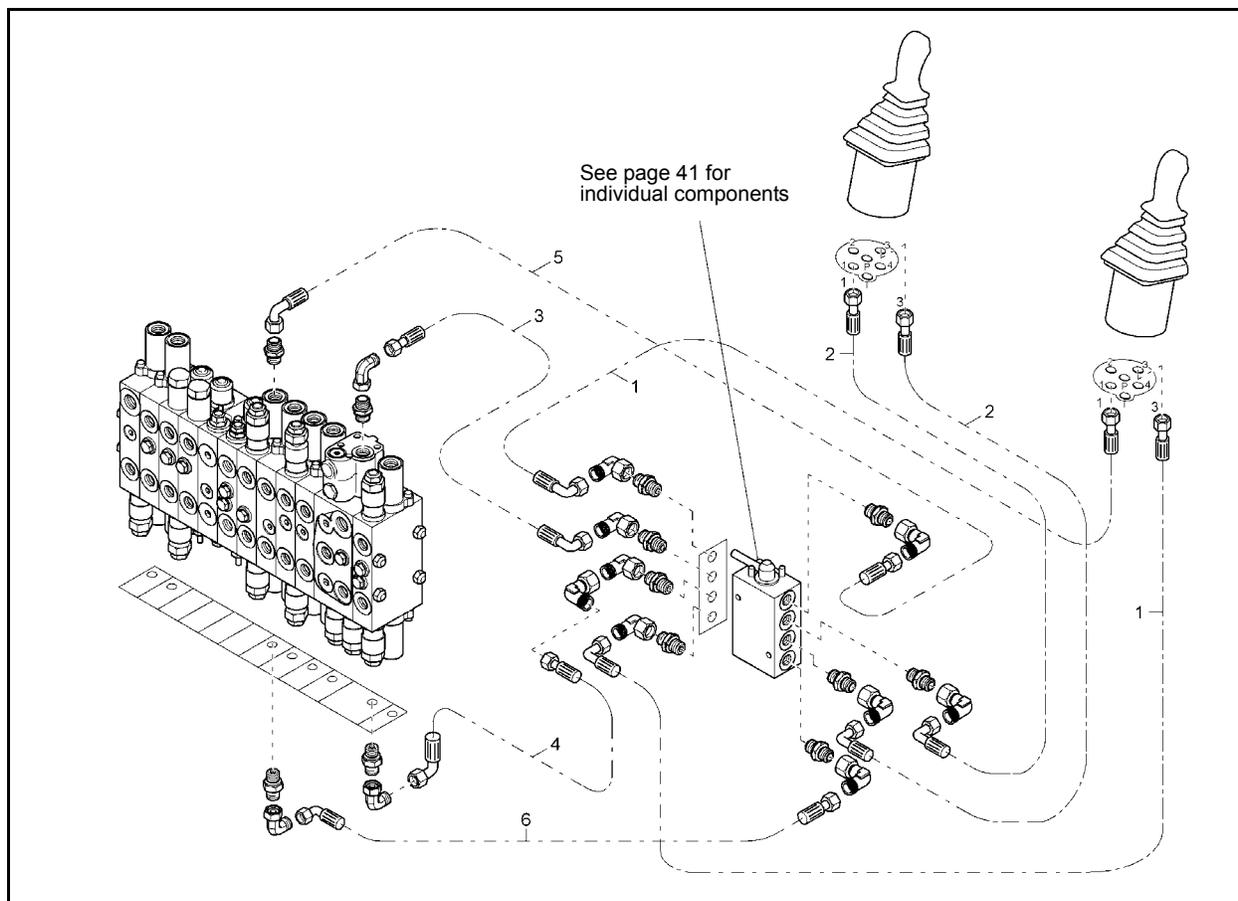
Ref. No.	Part No.	Description	Qty.
1	201666	PLUNGER KIT	1
2	164945	SCREW JOINT	2
3	*	ACCESSORY KIT	1
4	161426	SCREW JOINT	6
5	161238	HP HOSE	1

Ref. No.	Part No.	Description	Qty.
6	162956	HP HOSE	1
7	161225	HP HOSE	1
8	177670	HP HOSE	1
9	161443	90° FITTING	1

* To be provided at a later time.

283Z - ISO/SAE VALVE INSTALLATION

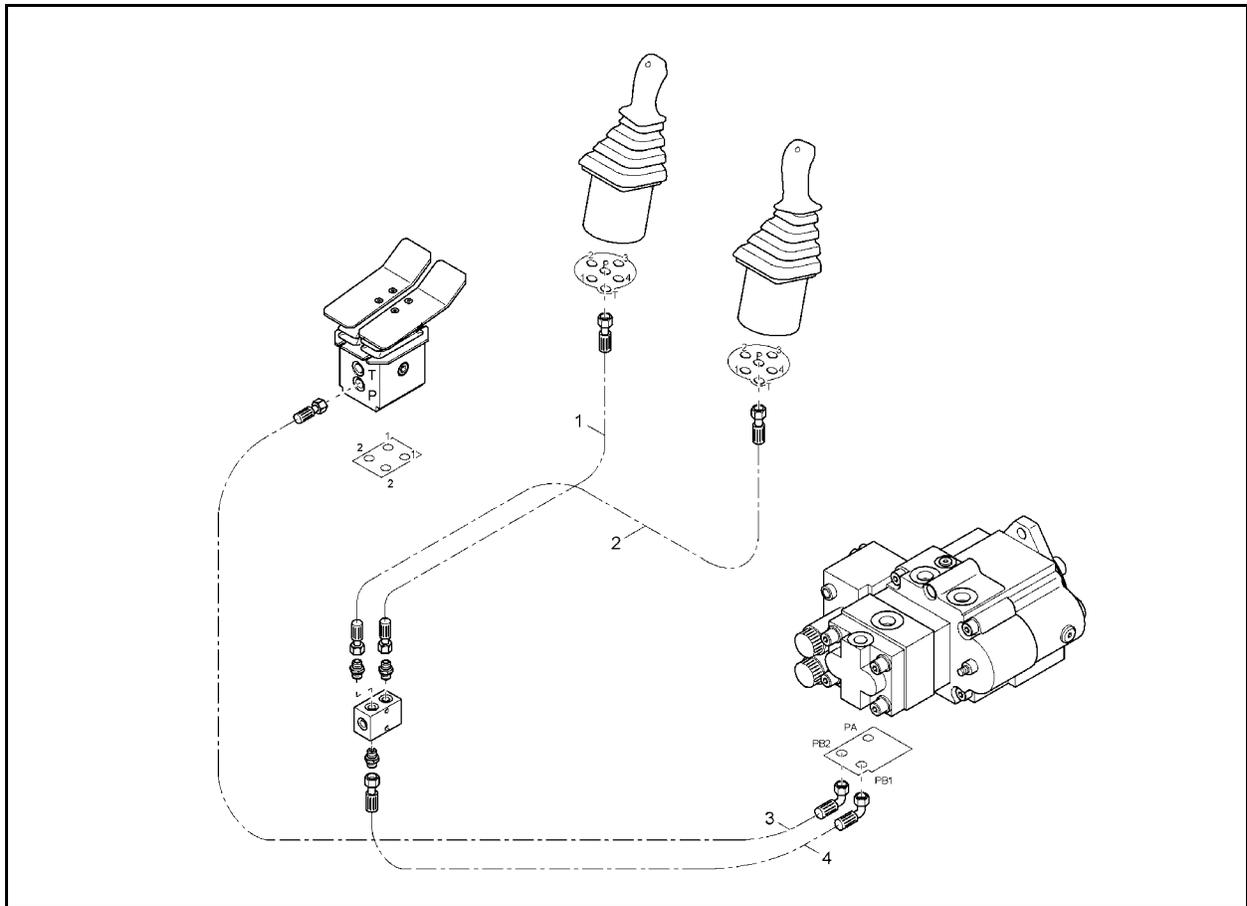
1000177430



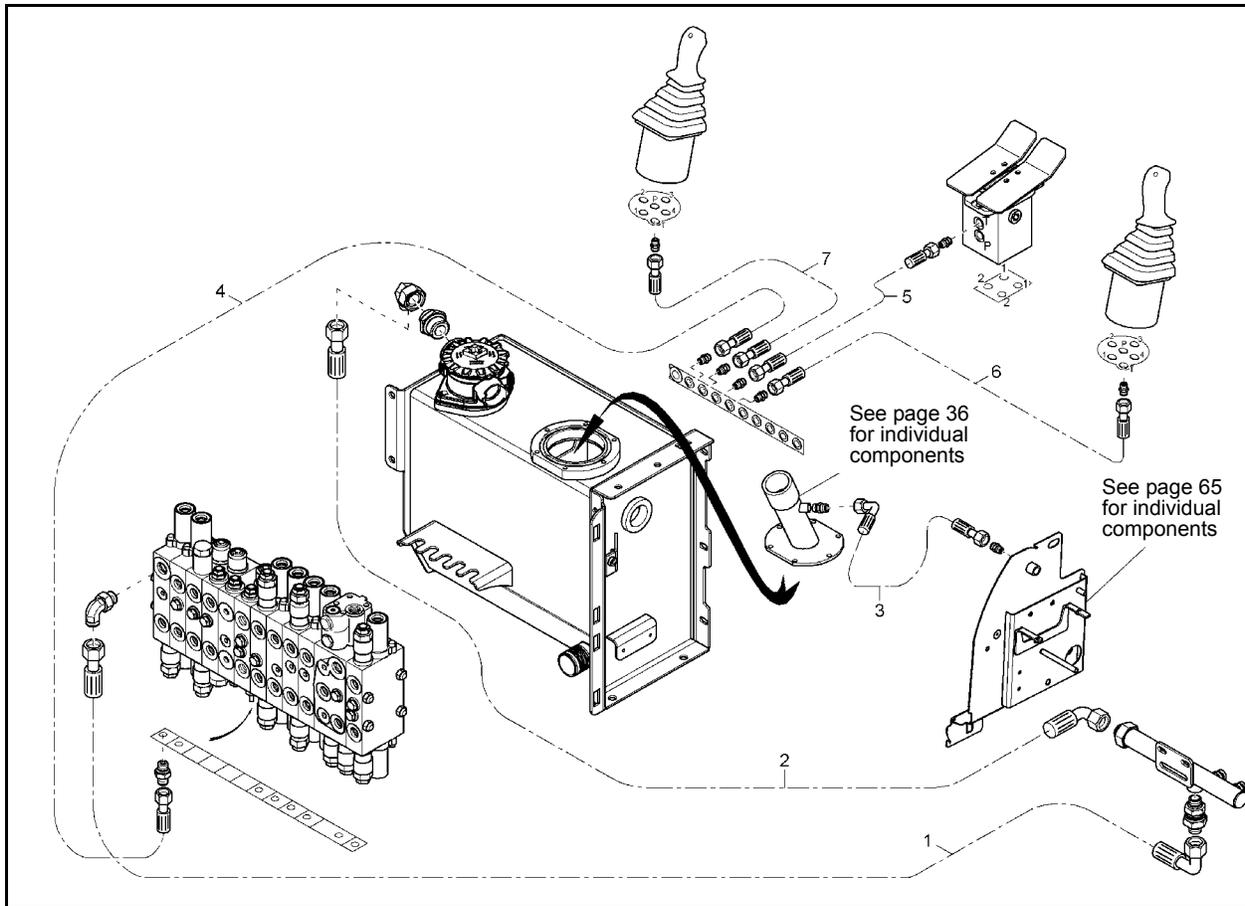
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161238	HP HOSE	2	4	201668	HP HOSE	1
2	162957	HP HOSE	2	5	205683	HP HOSE	1
3	179545	HP HOSE	1	6	177670	HP HOSE	1

283Z - PILOT PRESSURE

1000177312



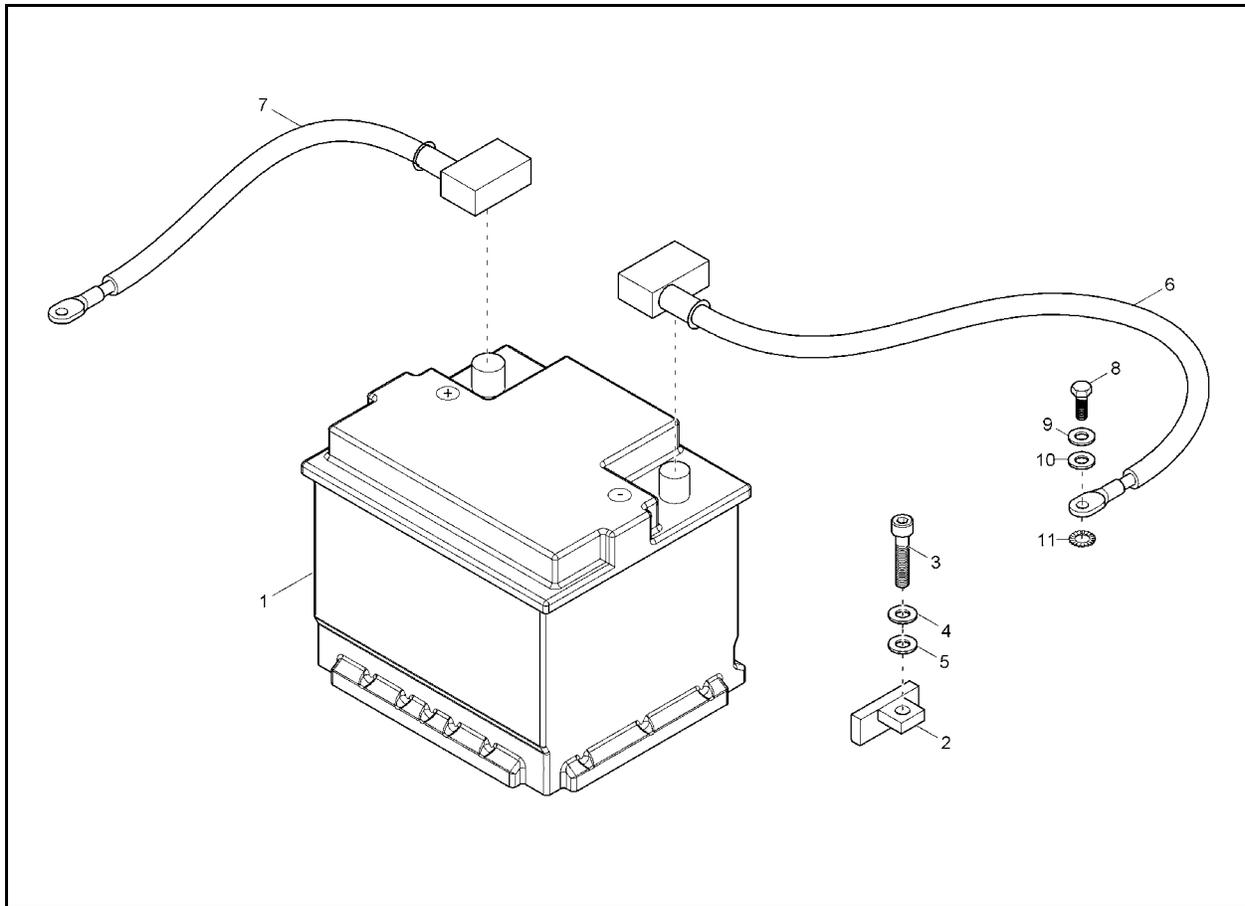
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162956	HP HOSE	1	3	162444	HP HOSE	1
2	162959	HP HOSE	1	4	162447	HP HOSE	1



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201669	HP HOSE	1	5	201671	HP HOSE	1
2	201670	HP HOSE	1	6	163291	HP HOSE	1
3	164804	HP HOSE	1	7	179522	HP HOSE	1
4	164798	HP HOSE	1	8	179522	HP HOSE	1

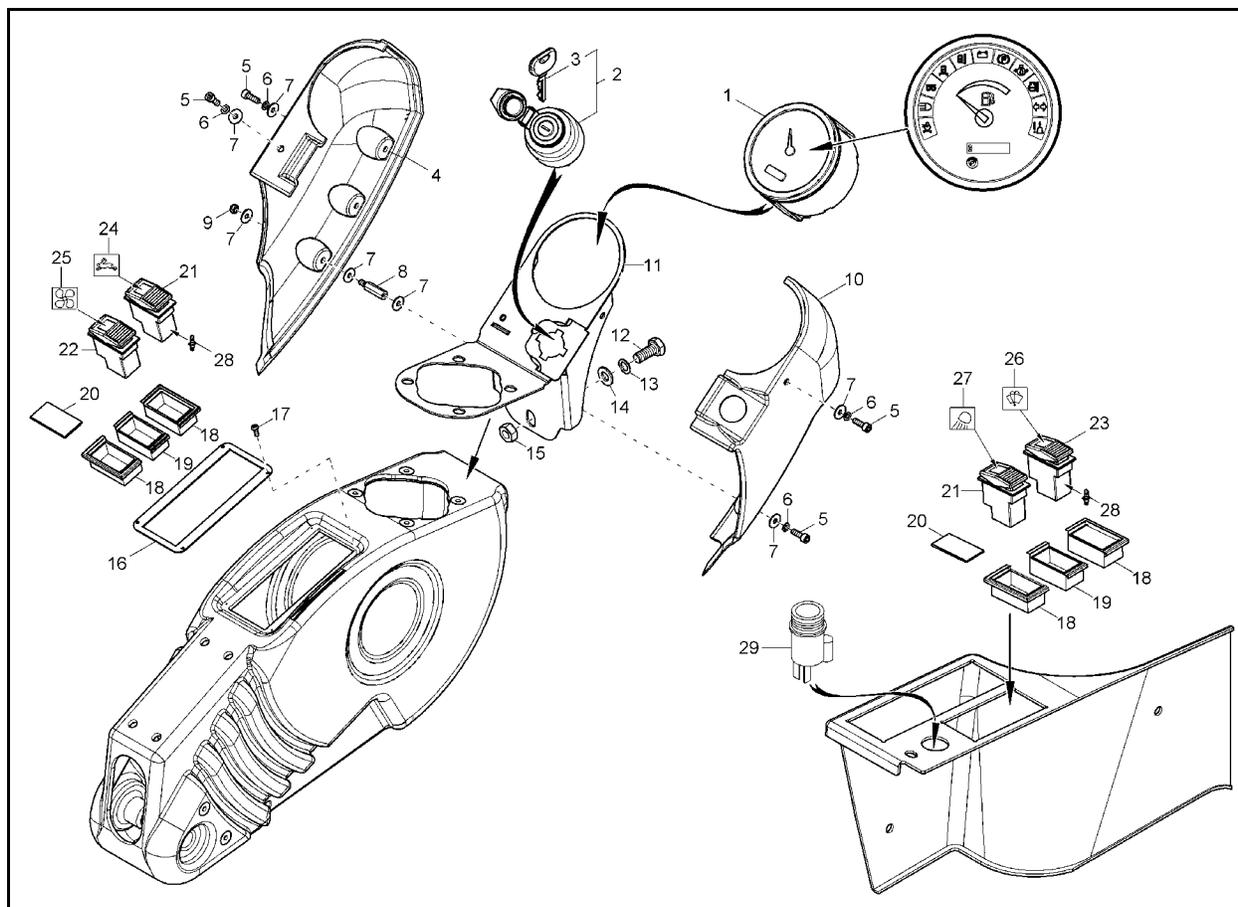
283Z - BATTERY

1000177259



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	*	BATTERY	1	7	201672	BATTERY CABLE - POSITIVE	1
2	178463	CARRIER	1	8	656006	CS M10-1.5X20 C8.8 ZY DIN931	1
3	164911	SCREW	1	9	161669	LOCKWASHER S10	1
4	163670	LOCKWASHER	1	10	161640	WASHER/GR A 10.5	1
5	163634	WASHER	1				
6	161851	BATTERY CABLE - NEGATIVE	1				

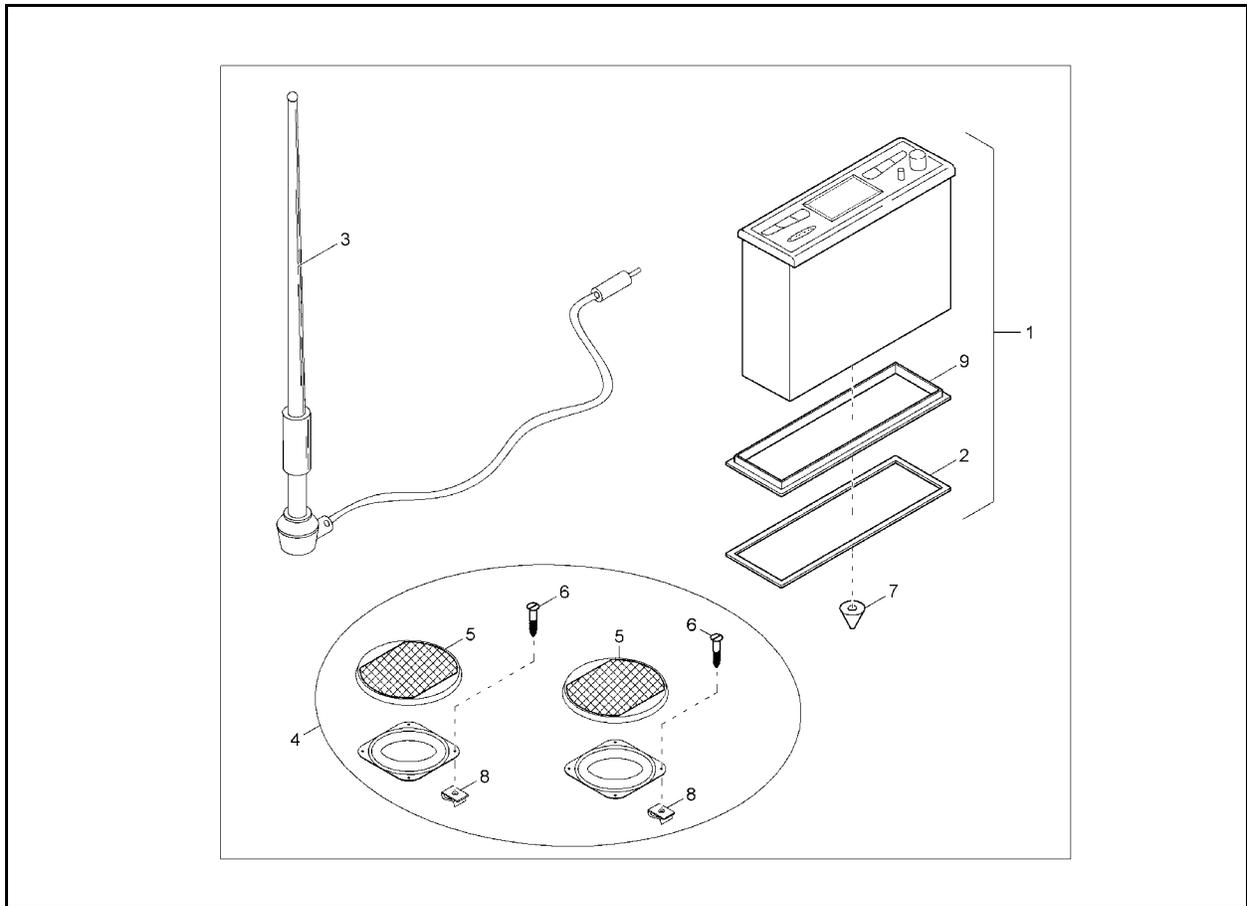
* Purchase locally. Group size 99R; 360 CCA.



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	177095	INSTRUMENT CLUSTER	1	16	205902	COVER	1
2	0003331306	PREHEATING START SWITCH W/KEY	1	17	201673	SCREW	4
3	101792	KEY	1	18	209196	FRAME	4
4	205761	TRIM	1	19	209197	FRAME	5
5	651504	SHCS M5-0.8X16 C8.8 ZY DIN912	6	20	0003320872	BLANK	6
6	161674	LOCKWASHER S16	6	21	164883	LIGHT SWITCH	2
7	161665	WASHER/GR A 5.3	15	22	164884	ROCKER SWITCH - 2 POSITION	1
8	205901	NUT	3	23	164881	WINDSHIELD WIPER SWITCH	1
9	651456	LN INS M5-0.8 C8 ZY DIN6924	3	24	164710	HIGH SPEED SYMBOL	1
10	205760	TRIM	1	25	164708	VENTILATION FAN SYMBOL	1
11	205783	CONSOLE INSTRUMENTS	1	26	164709	WIPER SYMBOL	1
12	651393	CS M10-1.5X25 C8.8 ZY	1	27	164879	WORK LIGHT SYMBOL	1
13	161669	LOCKWASHER S10	1	28	177646	BULB	1
14	161640	WASHER/GR A 10.5	1	29	164696	CIGARETTE LIGHTER	1
15	656102	HN M10-1.25 F8 ZY DIN934	1				

283Z - RADIO (OPTION)

1000124557

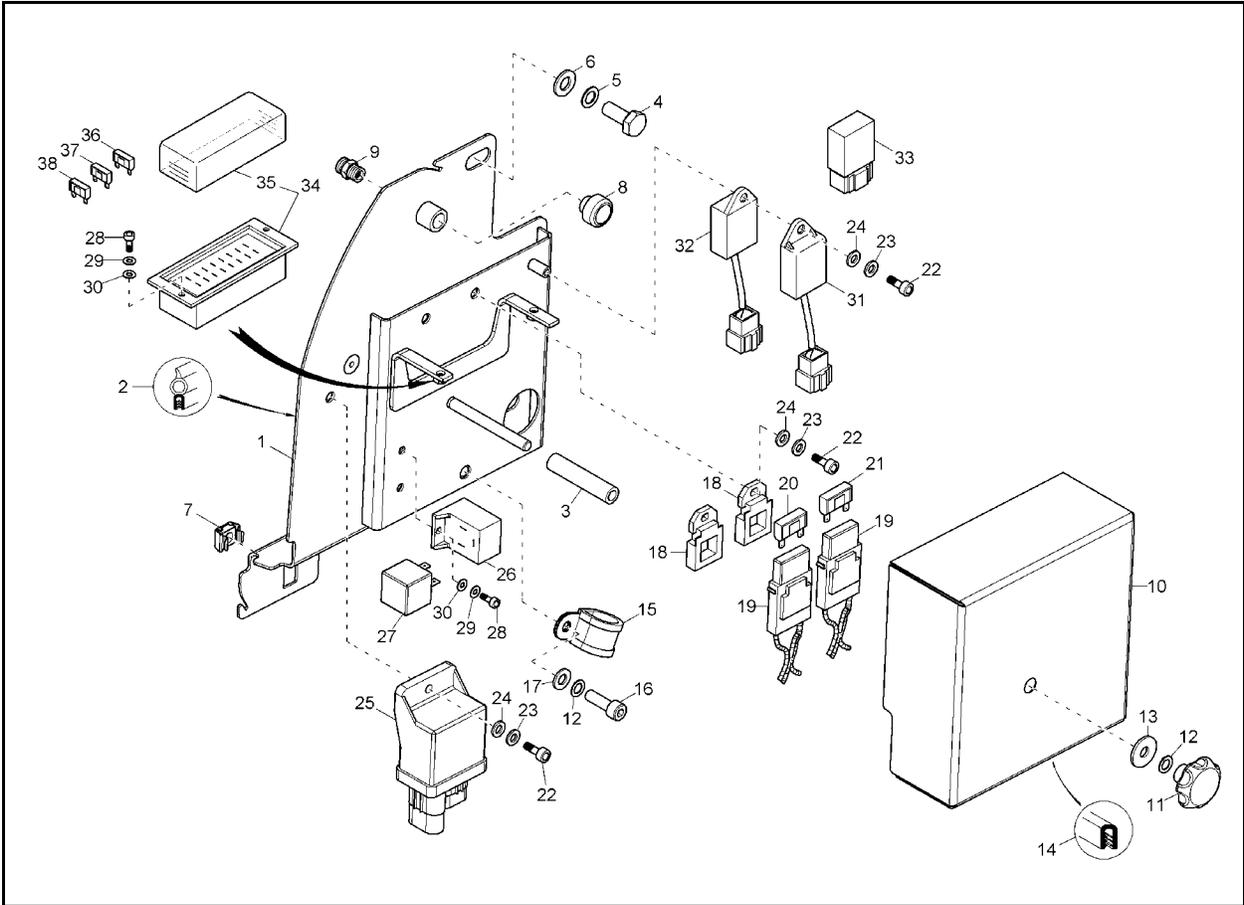


Ref. No.	Part No.	Description	Qty.
1	201839	RADIO	1
2	164187	FRAME	2
3	162839	ANTENNA	1
4	165204	SPEAKER KIT	1
5	206003	SPEAKER COVER	2

Ref. No.	Part No.	Description	Qty.
6	162035	SCREW	8
7	178107	RUBBER BUFFER	1
8	164683	NUT	8
9	205940	DISTANCE FRAME	1

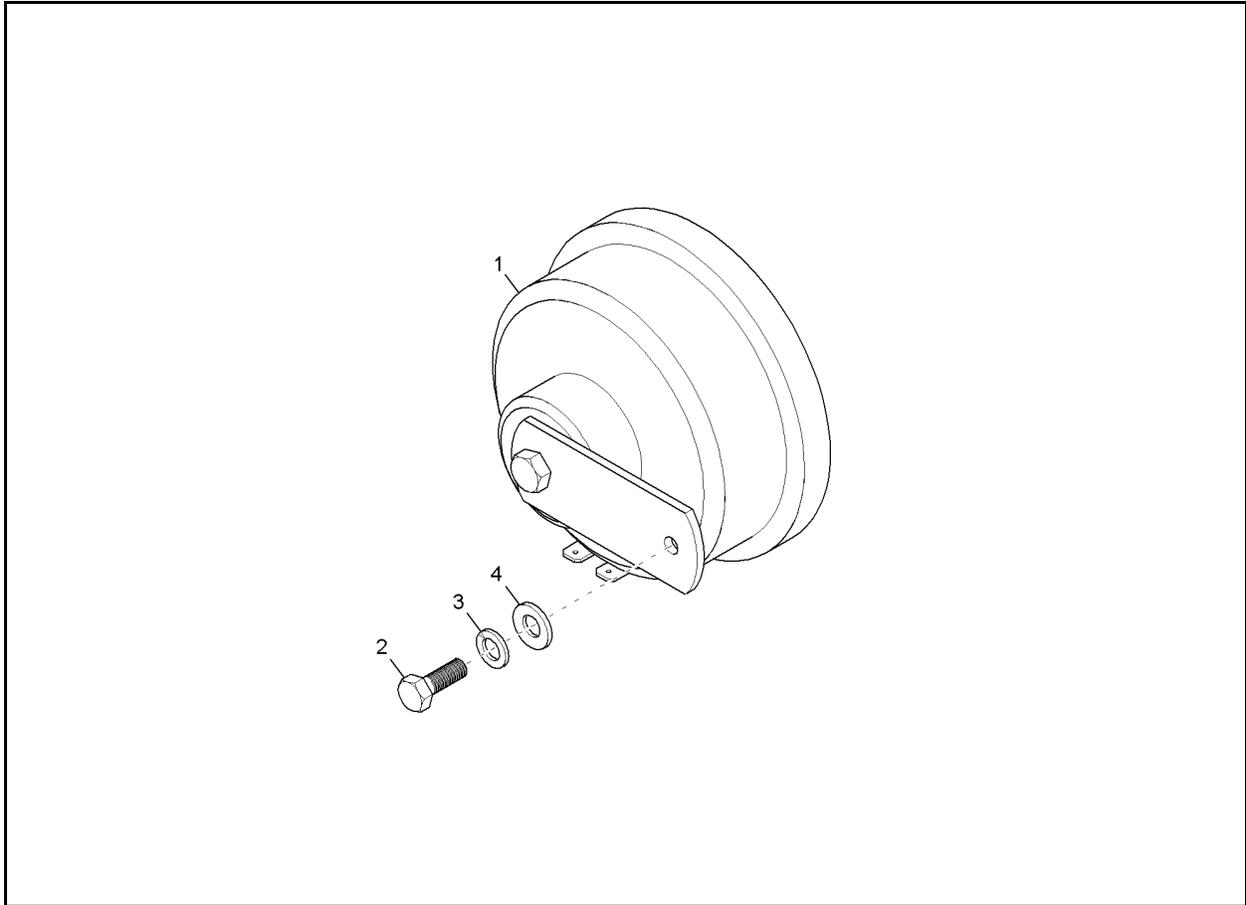
283Z - RELAY BOX

1000177258



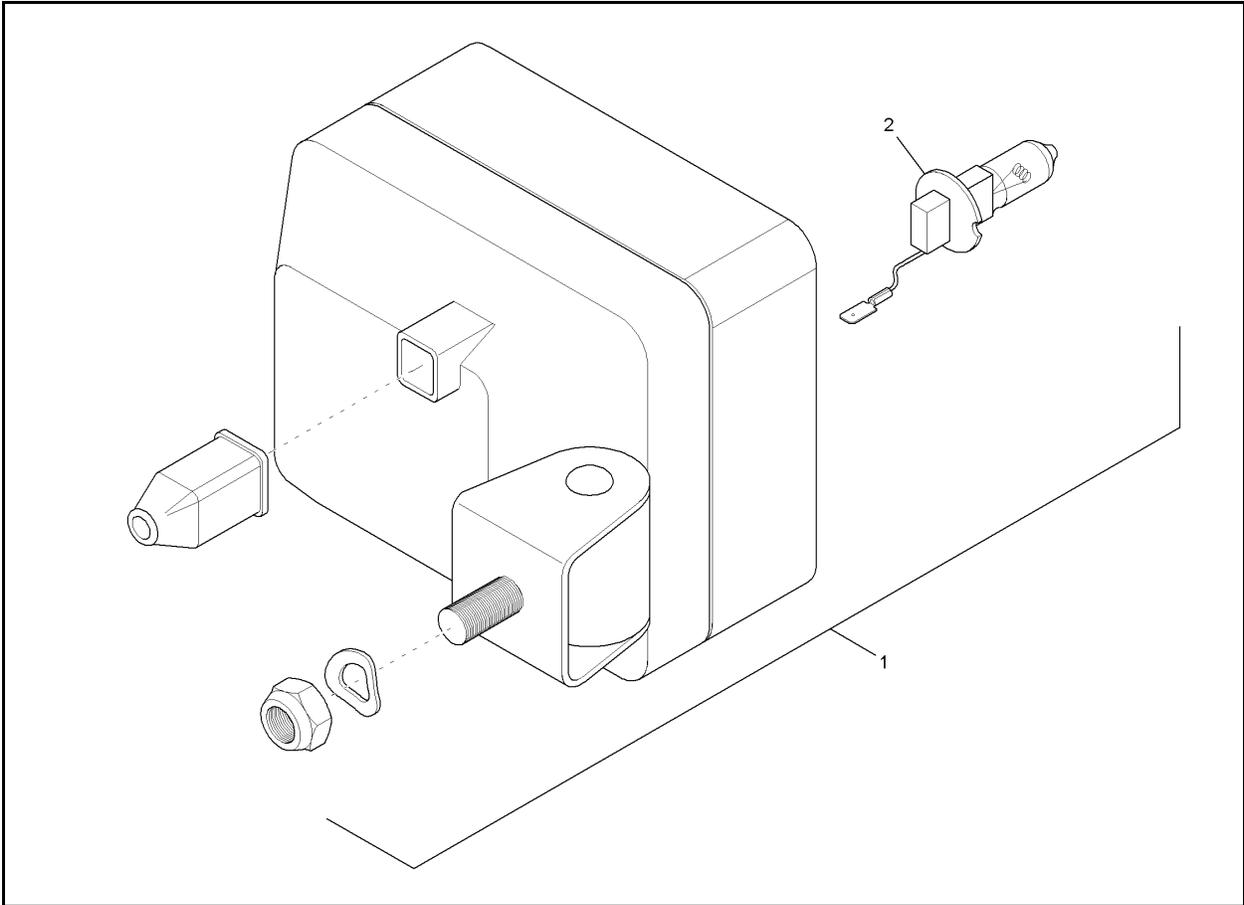
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201674	RELAY BOX SUPPORT	1	20	162838	FUSE 40 A	1
2	206036	RUBBER PROFILE (0.46M)	1	21	161998	FUSE 50 A	1
3	207256	FUEL LINE (0.06M)	1	22	651507	SHCS M6-1X20 C8.8 ZY DIN912	4
4	651393	CS M10-1.5X25 C8.8 ZY	2	23	161675	LOCKWASHER S6	4
5	161669	LOCKWASHER S10	2	24	161660	WASHER GR A6.4 ZO DIN 125	4
6	161663	WASHER/GR A 10.5 ZO	2	25	178930	RELAY 15 A	1
7	177700	CAGE NUT	1	26	201675	SOCKET	1
8	205900	PLUG	1	27	205214	RELAY 40/60 A	1
9	161426	SCREW JOINT	1	28	162867	SCREW	3
10	205536	RELAY COVER	1	29	161673	LOCKWASHER S4	3
11	161404	HANDLE	1	30	161658	WASHER/GR A 4.3 ZO DIN125	3
12	163670	LOCKWASHER	2	31	160821	RELAY 10 A	1
13	7462680011	WASHER 8.4 ST A2C	1	32	206358	RELAY	1
14	205537	EDGE PROTECTION (0.10M)	1	33	177647	DIODE	1
15	162608	HOSE CLAMP	1	34	177976	FUSE BOX (INCLUDES 35)	1
16	651516	SHCS M8-1.25X25 C8.8 ZY DIN912	1	35	177977	COVER/FUSE BOX	1
17	163634	WASHER	1	36	420-35510	FUSE 5 A	1
18	0003330022	CONNECTING STRAP (1-BORE)	2	37	161374	FUSE 10 A	3
19	0003330440	SUPPORT	2	38	161375	FUSE 15 A	4

283Z - HORN
1000124118



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161366	HORN	1	3	163670	LOCKWASHER	1
2	656093	CS M8-1.25X16 C8.8 ZY DIN931	1	4	163634	FLATWASHER	1

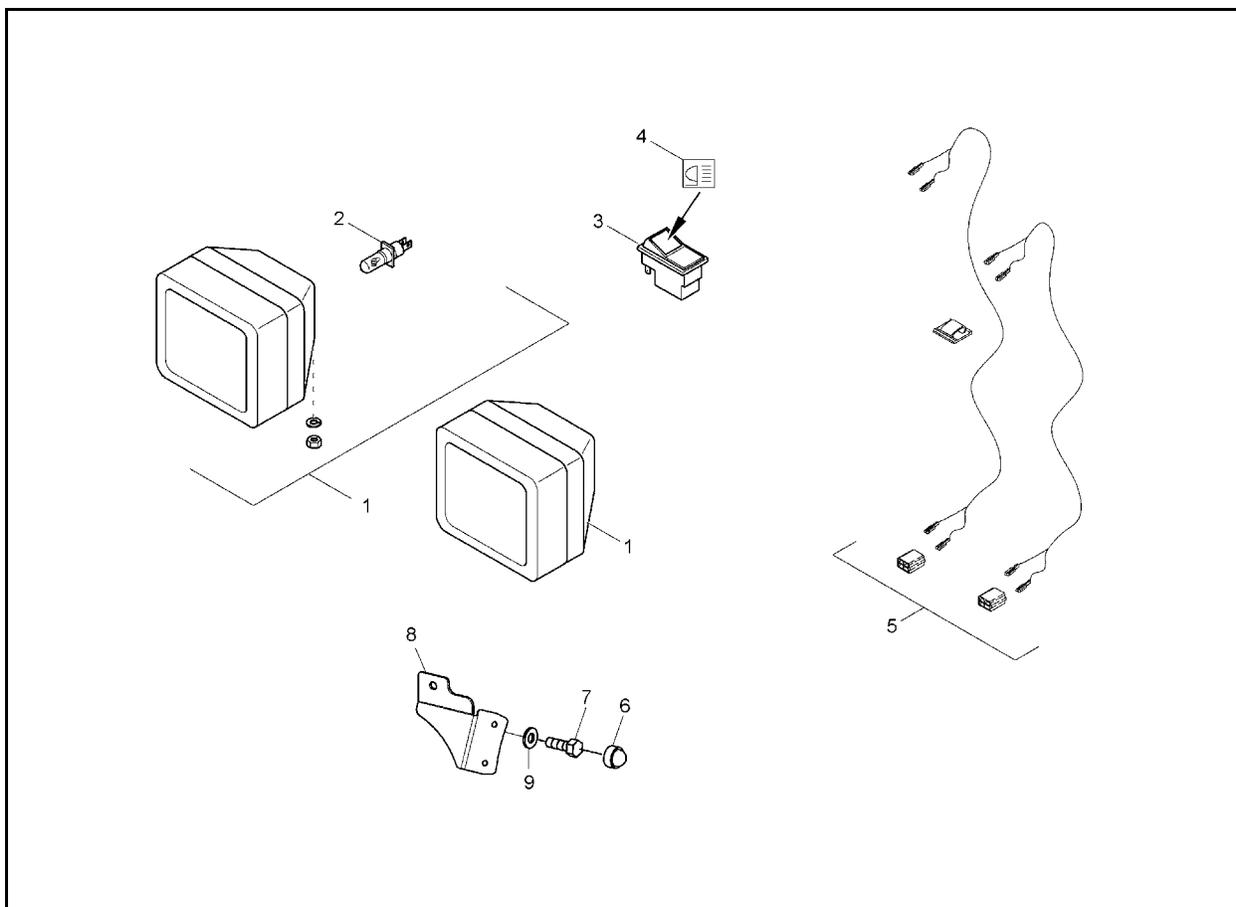
283Z - BOOM WORK LIGHT
1000131396



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160537	WORK LIGHT COMPLETE	1	2	161367	HALOGEN BULB	1

283Z - WORK LIGHTS - FRONT (OPTION)

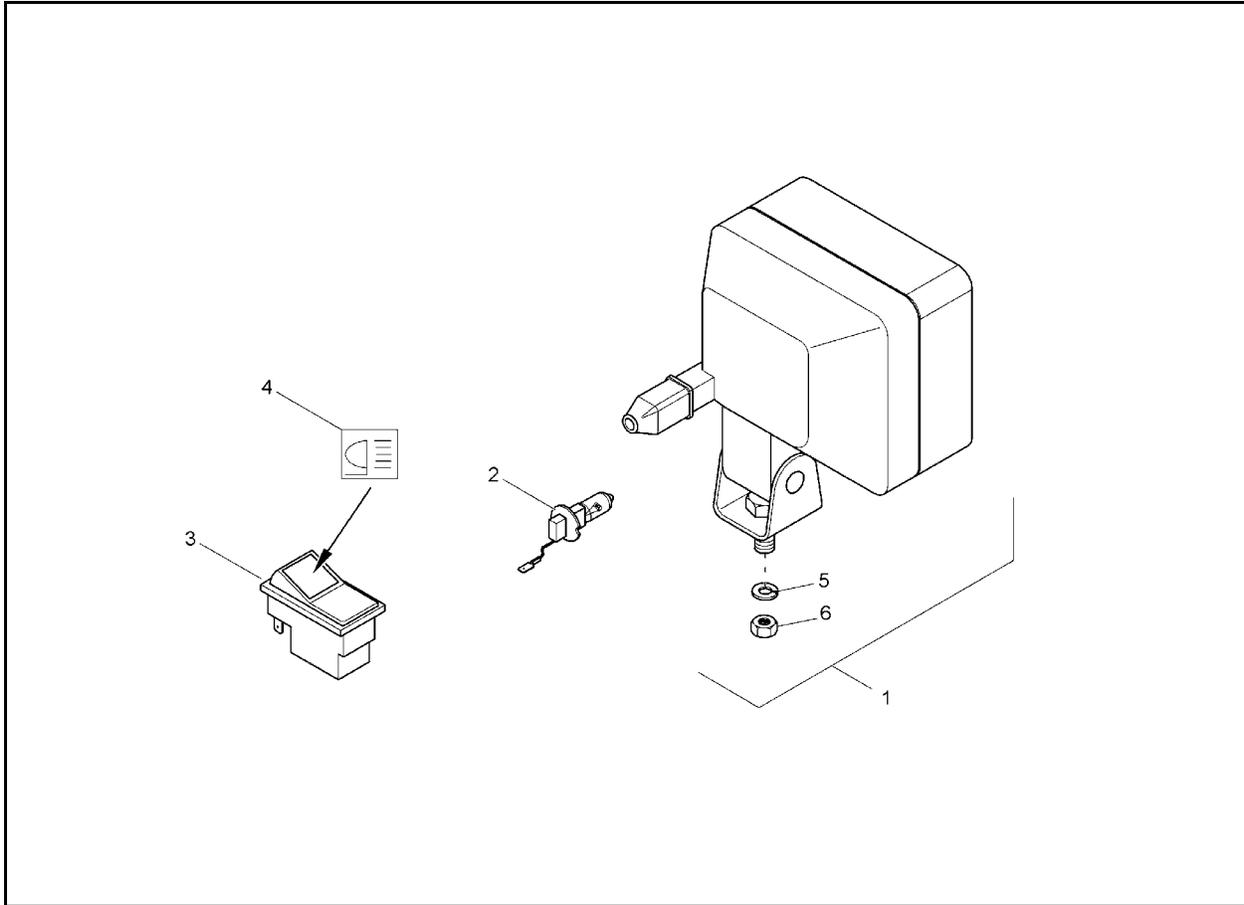
1000176782



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160537	WORK LIGHT COMPLETE	2	6	162737	COVER	4
2	161367	HALOGEN BULB	2	7	656092	CS M6-1X12 C8.8 ZY DIN931	4
3	164884	ROCKER SWITCH - 2 POSITION	1	8	206000	BRACKET/HEADLIGHT LT	1
4	164871	WORK LIGHT SYMBOL	1		206001	BRACKET/HEADLIGHT RT	1
5	178708	CABLE	1	9	162924	WASHER	4

283Z - WORK LIGHT - REAR (OPTION)

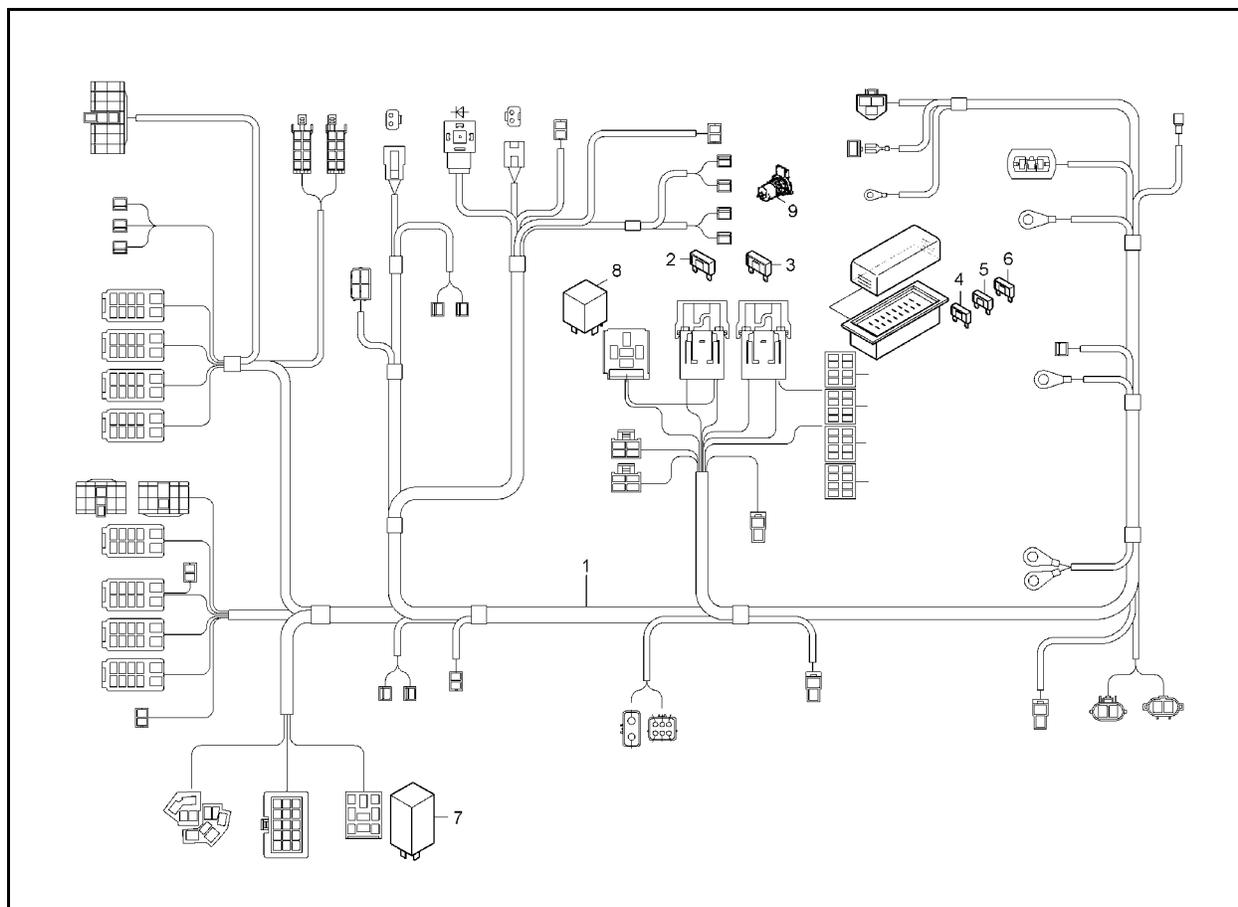
1000124310



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	160537	WORK LIGHT COMPLETE	1	4	164871	WORK LIGHT SYMBOL	1
2	161367	HALOGEN BULB	1	5	161623	LW SPRING B10 DIN7981	1
3	164884	ROCKER SWITCH - 2 POSITION	1	6	651448	LN INS M10-1.5 C8 ZY DIN6924	1

283Z - WIRE HARNESS - CHASSIS

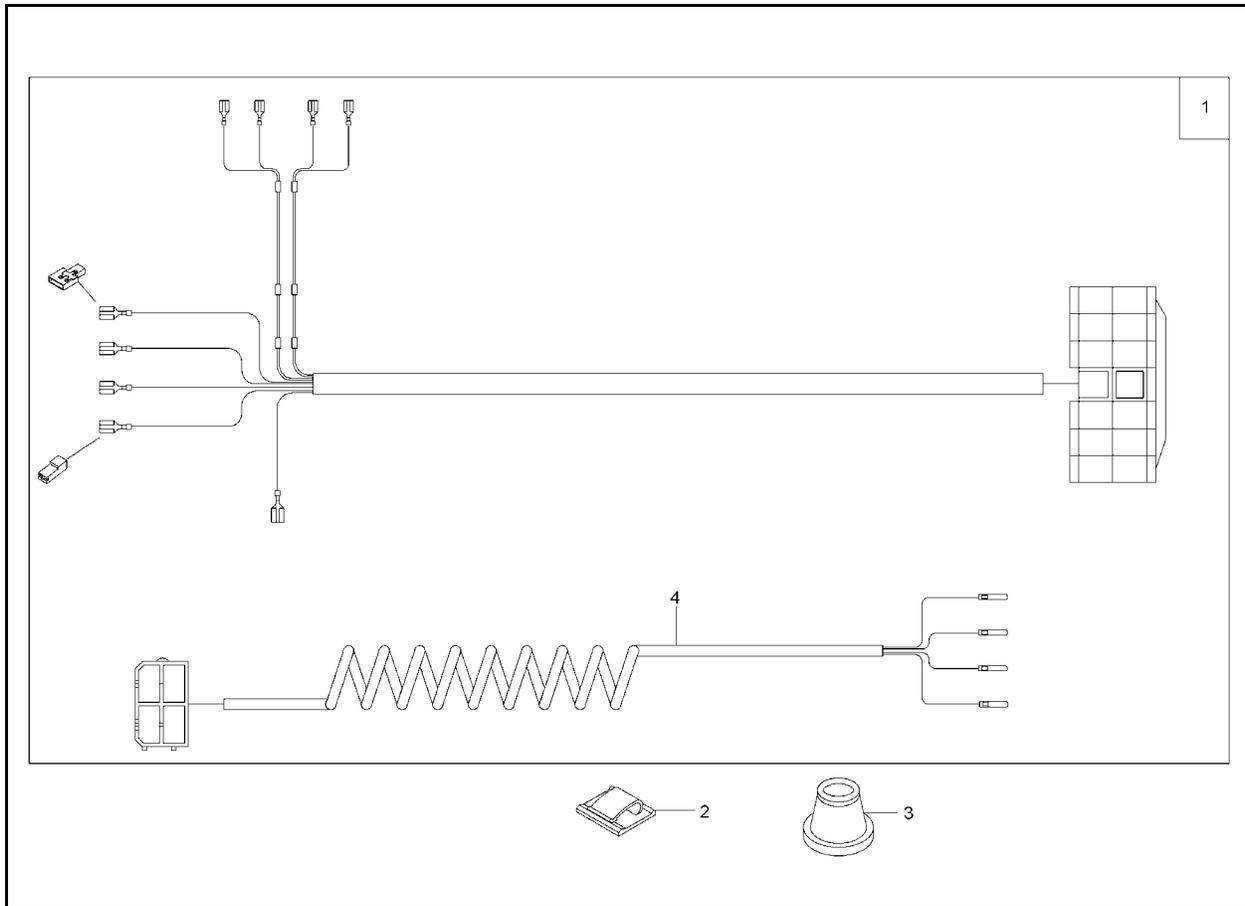
1000177060



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201676	WIRE HARNESS - CHASSIS	1	6	161375	FUSE 15 A	4
2	162838	FUSE 40 A	1	7	207057	SIGNAL	1
3	161998	FUSE 50 A	1	8	205214	RELAY 40/60 AMP	1
4	420-35510	FUSE 5 A	1	9	161732	SOCKET	1
5	161374	FUSE 10 A	3				

283Z - WIRE HARNESS - CAB

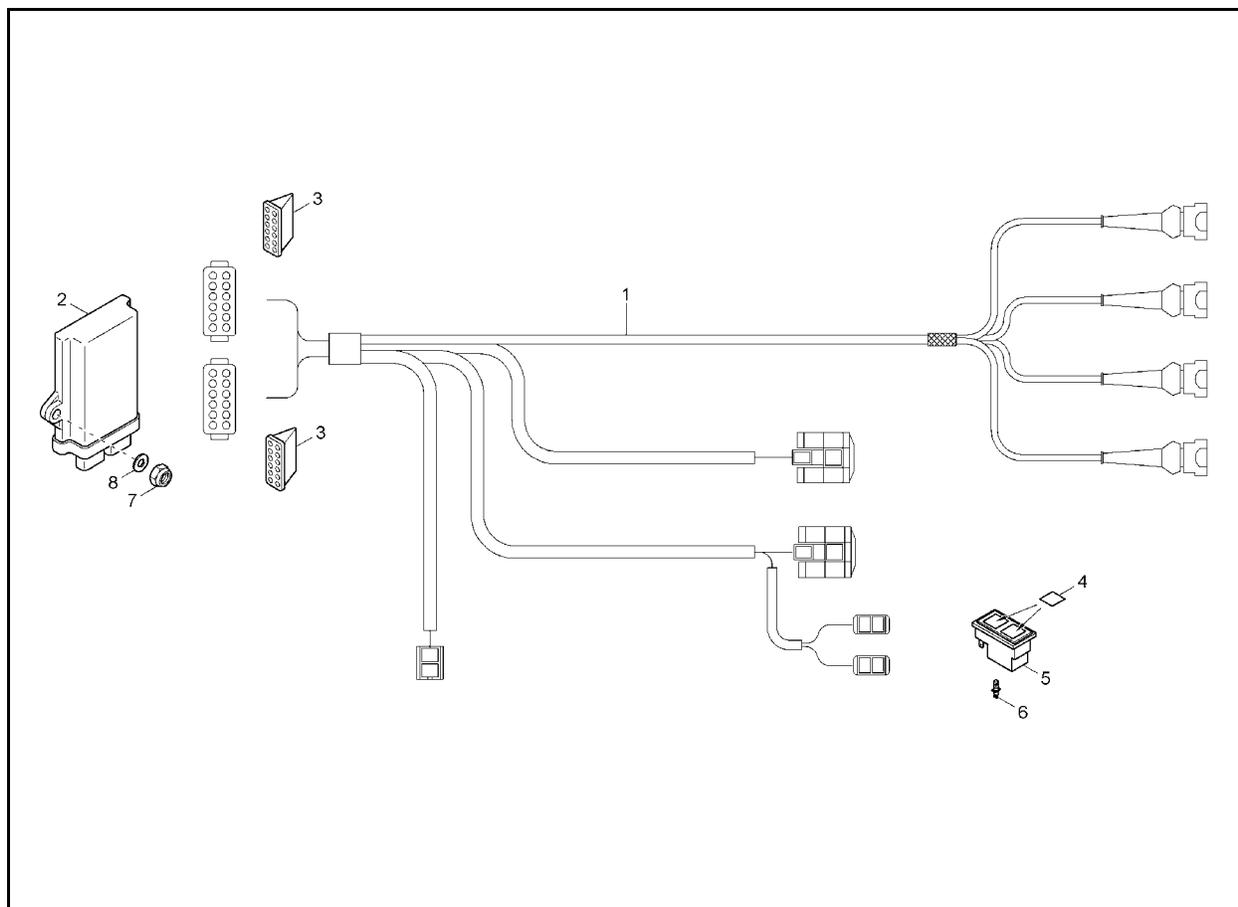
1000177279



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201677	WIRE HARNESS - CAB	1	3	178048	CABLE SLEEVE	2
2	178047	CABLE CLIP	5	4	205363	WINDSHIELD HARNESS	1

283Z - WIRE HARNESS - PROPORTIONAL CONTROL (OPTION)

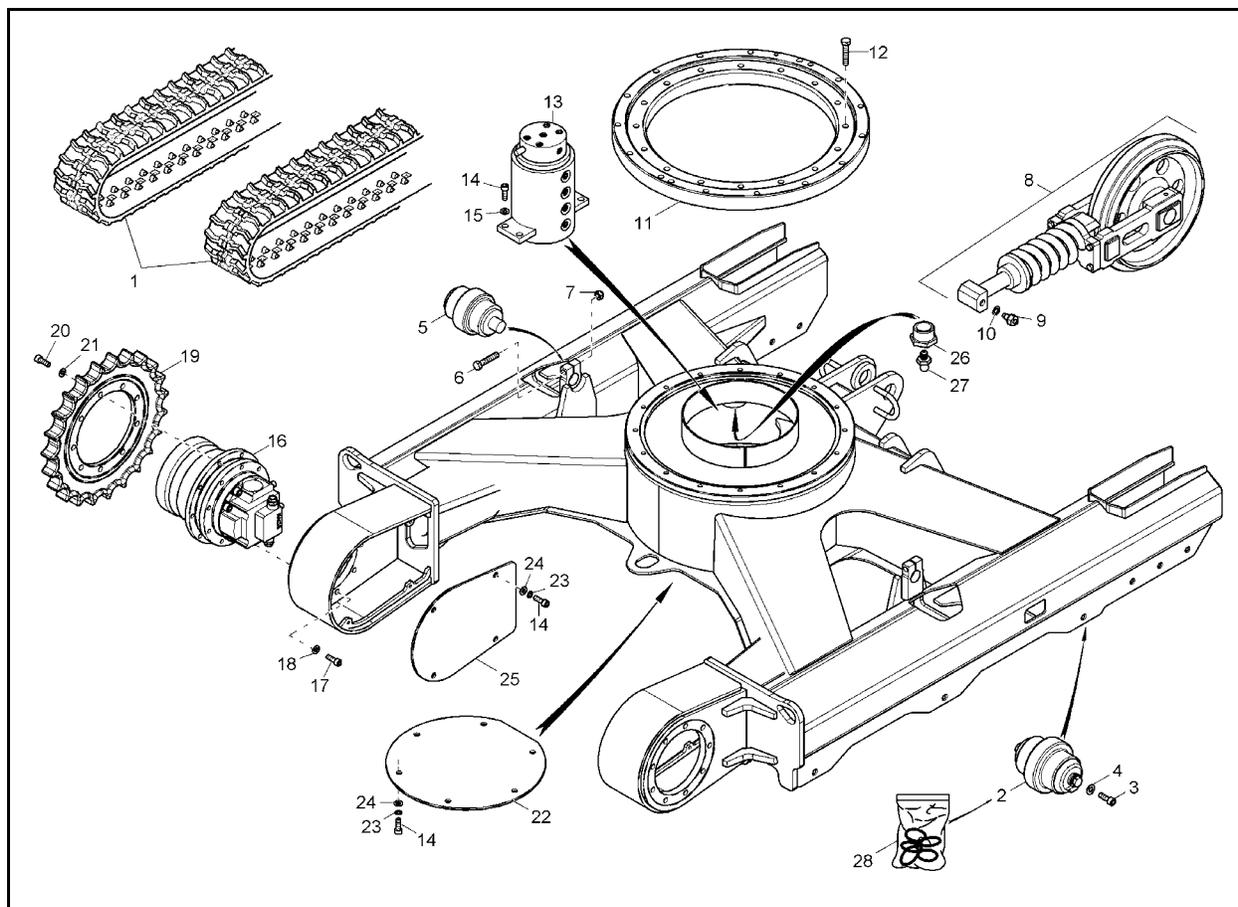
1000177315



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201678	WIRE HARNESS - PROPORTIONAL CONTROL	1	5	0003325912	INDICATOR	1
2	205895	CONTROL	1	6	177646	BULB	2
3	201679	PIN HOUSING	2	7	651457	LN INS M6-1 C8 ZY DIN6924	2
4	205671	SYMBOL RED	2	8	161660	WASHER GR A6.4 ZO DIN 125	2

283Z - UNDERCARRIAGE, RUBBER TRACK

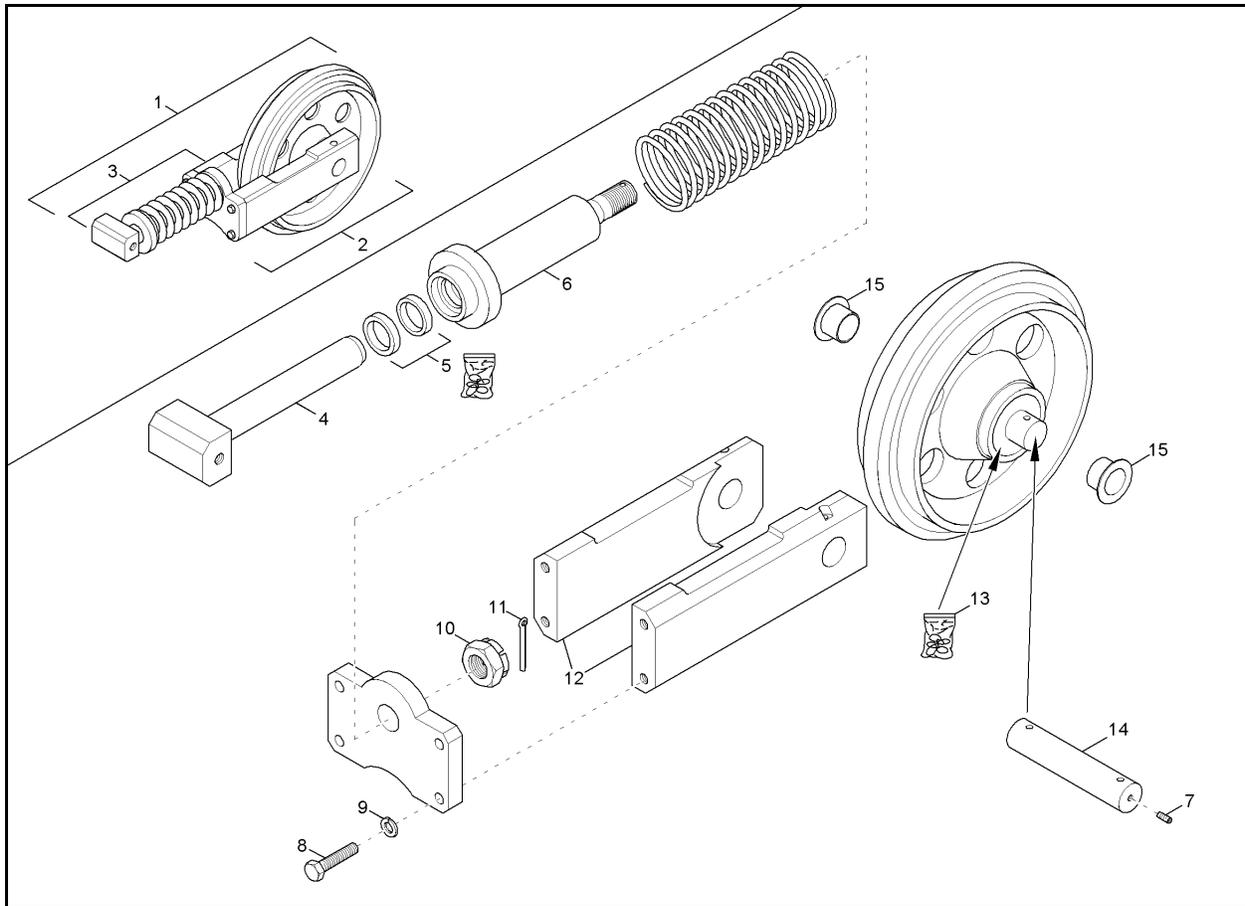
1000176761



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201680	RUBBER TRACK	2	15	163641	WASHER	4
2	202450	BOTTOM ROLLER COMPLETE	6	16	165662	DRIVE MOTOR COMPLETE See page 31 for individual components	2
3	165945	SCREW	12	17	656148	FHSCS M12-1.75X40 C10.9 ZY DIN7991	18
4	177389	WASHER	12	18	161624	LW SPRING B12 DIN7982	18
5	165124	TOP ROLLER COMPLETE	2	19	165121	SPROCKET	2
6	651411	HB M12-1.7X 60 C10.9 ZY	2	20	651483	SHCS M12-1.75X35 C10.9 ZY DIN912	18
7	179793	NUT	2	21	161636	WASHER/NORD-LOCK NL 12	18
8	165123	TRACK TENSIONER COMPLETE See page 74 for individual components	2	22	201681	UNDERCARRIAGE COVER	1
9	160638	VALVE	2	23	161669	LOCKWASHER S10	14
10	178067	SEALING RING	2	24	161640	WASHER/GR A 10.5	14
11	165125	TURNTABLE	1	25	201682	GEAR BOX DRIVE COVER	2
12	651411	HB M12-1.7X 60 C10.9 ZY	16	26	165119	PLUG	1
13	206344	SWIVEL JOINT See page 37 for individual components	1	27	161412	GREASE ZERK-9MM HEX HEAD	1
14	162022	SCREW	18	28	179168	SEAL KIT	6

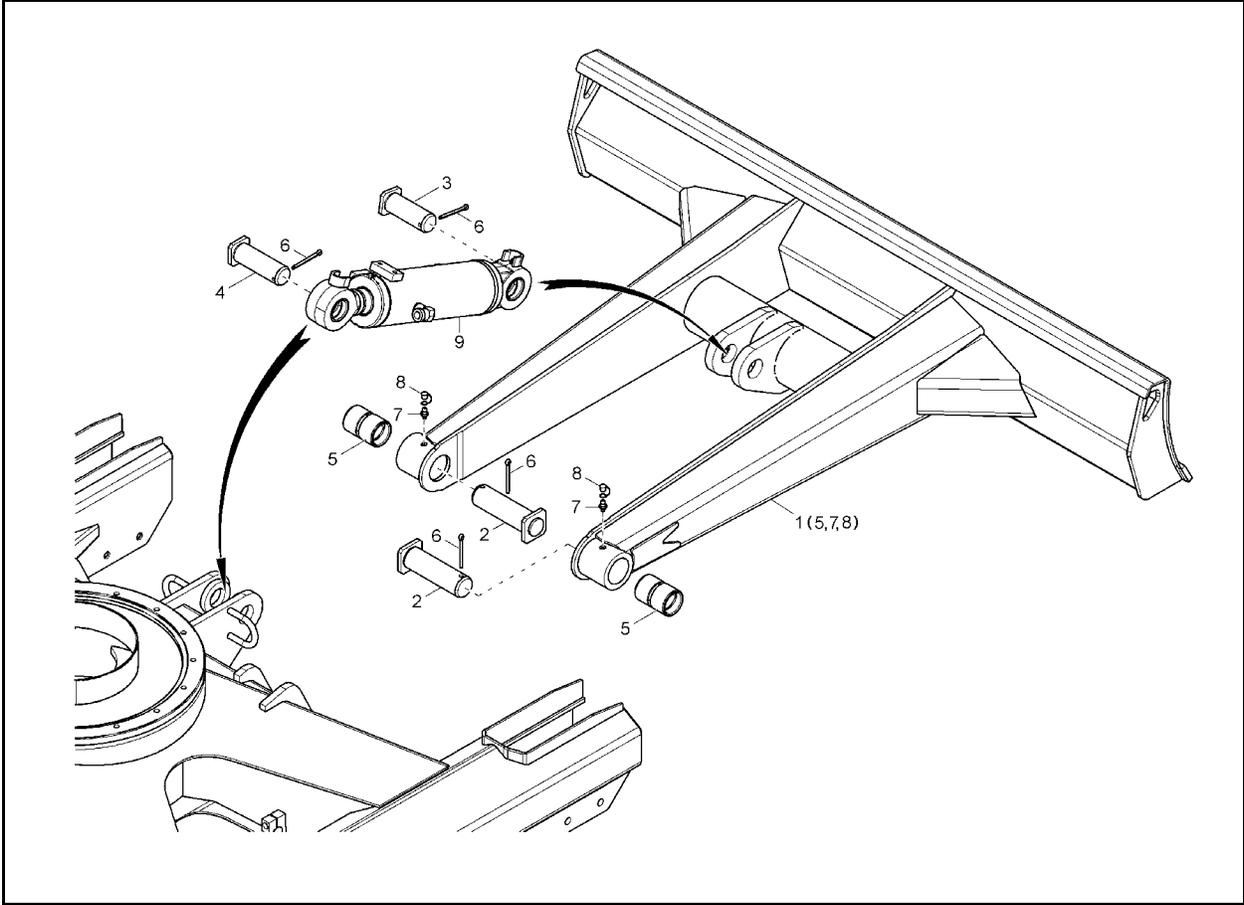
283Z - TRACK TENSIONER, RUBBER TRACK

1000115451



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	165123	TRACK TENSIONER COMPLETE	1	9	161623	LW SPRING B10 DIN7981	4
2	165126	TENSION ROLLER	1	10	162757	NUT	1
3	165127	SPRING SET	1	11	162758	COTTER PIN	1
4	165128	GLAND	1	12	165139	BRACKET	2
5	165608	SEAL KIT	1	13	160983	SEAL KIT	1
6	165132	TENSION CYLINDER	1	14	165138	SHAFT	1
7	165141	PLUG	1	15	162754	BUSHING	2
8	651398	CS M10-1.5X35 C10.9 ZY DIN931	4				

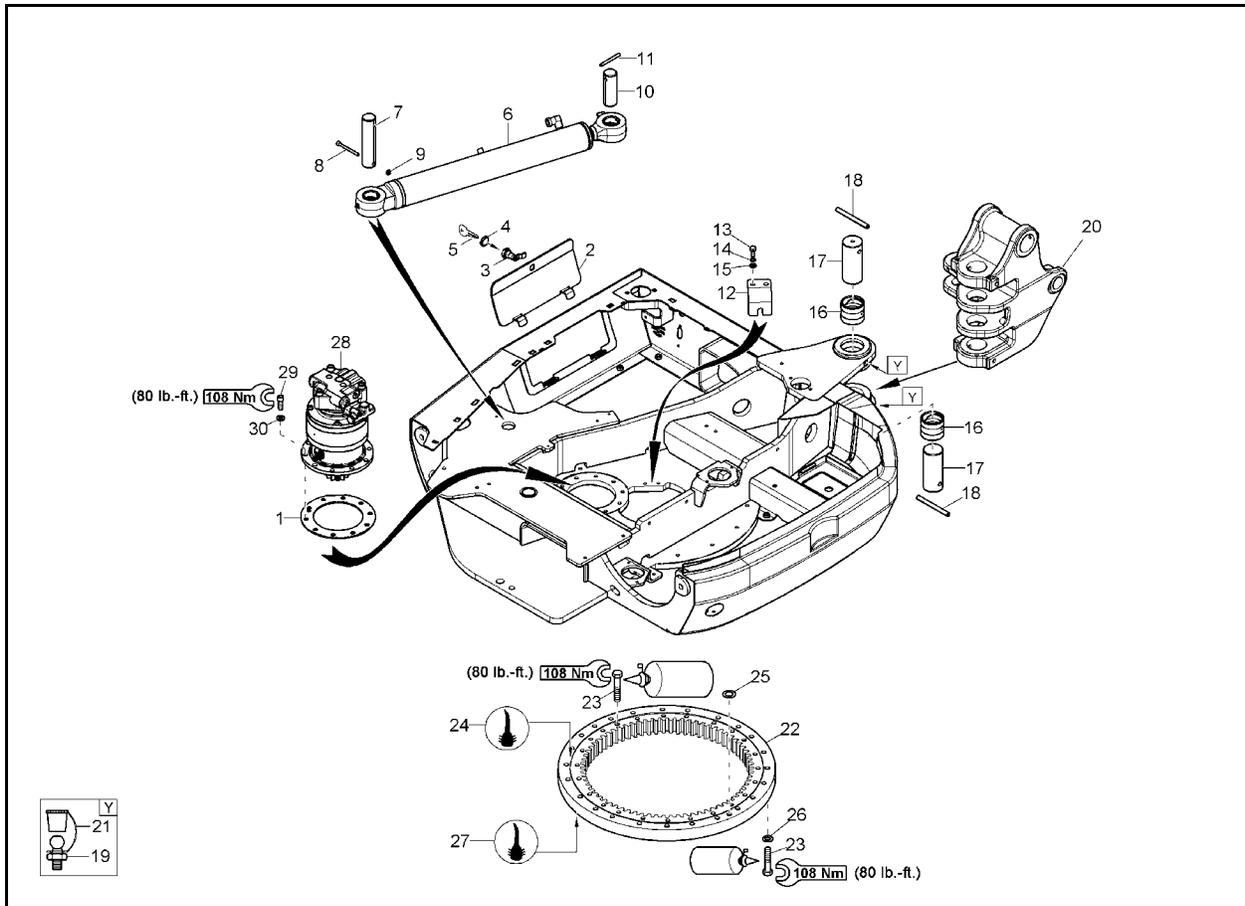
283Z - DOZER BLADE
1000176769



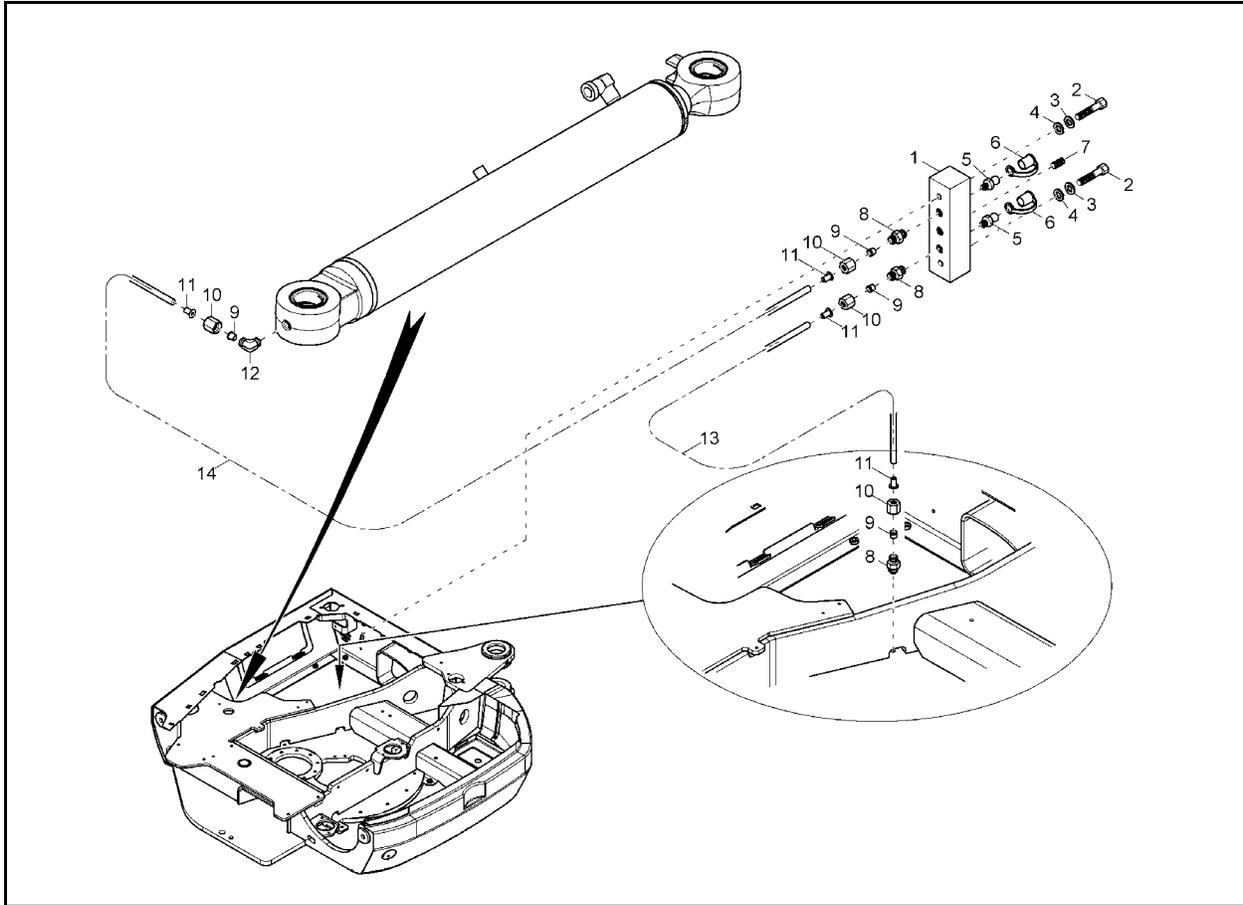
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201683	PRE-ASSEMBLED DOZER BLADE (INCLUDES 5, 7 & 8)	1	6	161682	PIN/SPRING M6.3X63 ZO	4
2	160941	PIN	2	7	161411	GREASE ZERK-7MM HEX HEAD	2
3	160813	PIN	1	8	161422	CAP	2
4	160812	PIN	1	9	165631	DOZER BLADE CYLINDER See page 55 for individual components	1
5	161532	BUSHING	2				

283Z - CHASSIS

1000177174



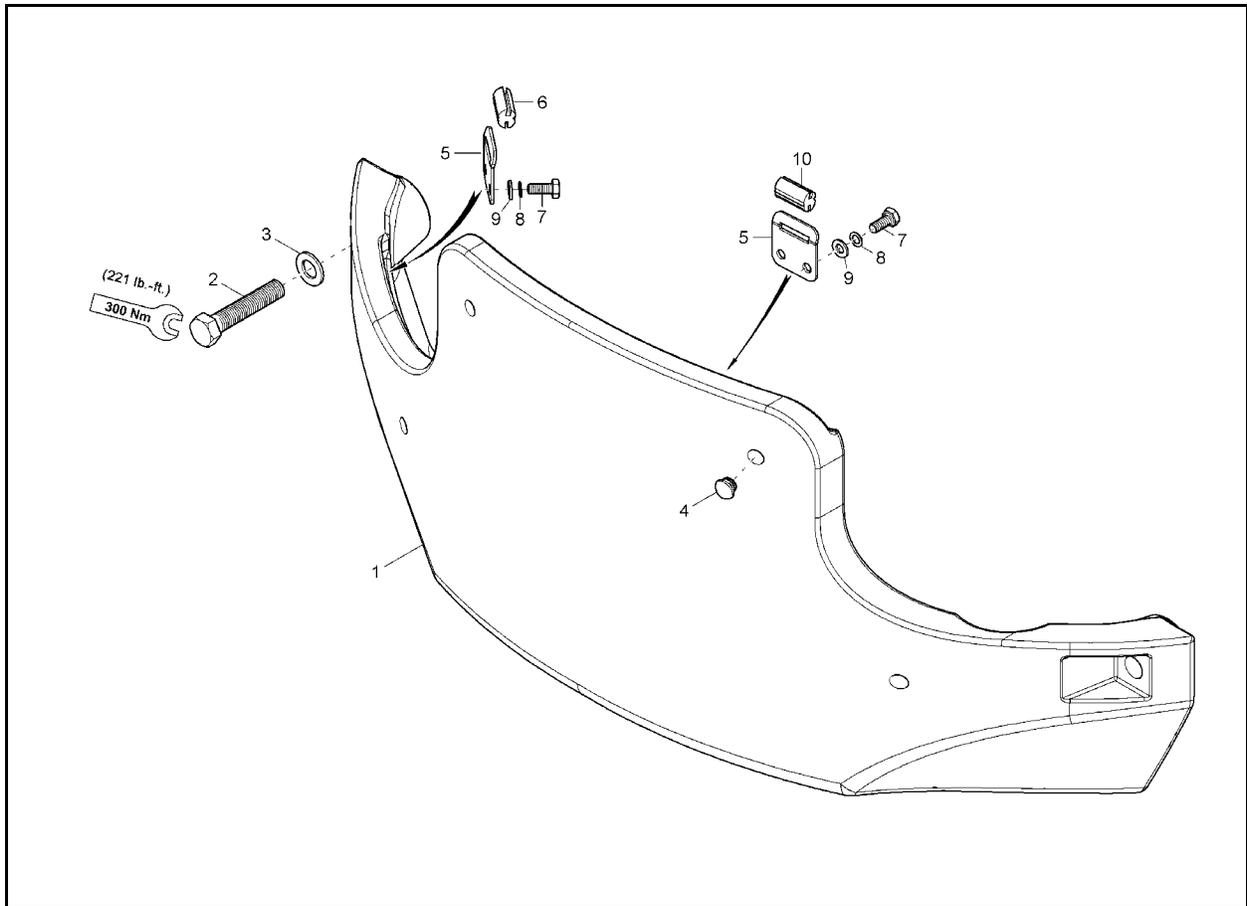
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	178845	WASHER	1	16	205737	STEEL BUSHING	2
2	201684	COVER	1	17	201687	PIN	2
3	2529457G	LOCK (W/O KEYS)	1	18	205699	COTTER PIN	2
4	201685	DUST CAP	1	19	161411	GREASE ZERK-7MM HEX HEAD	2
5	101792	KEY (W/O LOCK)	1	20	201738	SWING BRACKET	1
6	201651	BOOM OFFSET CYLINDER See page 53 for individual components	1	21	161422	CAP	2
7	201686	PIN	1	22	165125	TURNTABLE	1
8	165928	SCREW	1	23	651411	HB M12-1.7X 60 C10.9 ZY	31
9	651458	LN INS M8-1.25 C8 ZY DIN6924	1	24	205598	SEAL (1.80M)	1
10	165803	PIN DM=40X115	1	25	161570	O-RING	1
11	610478	PIN/SPRING M8X80	1	26	161643	WASHER/ROUND HI-TENS	15
12	165064	BRACKET	1	27	205598	SEAL (1.80M)	1
13	651393	CS M10-1.5X25 C8.8 ZY	2	28	178952	SWIVEL DRIVE COMPLETE See page 29 for individual components	1
14	161669	LOCKWASHER S10	2	29	651483	SHCS M12-1.75X35 C10.9 ZY DIN912	10
15	161640	WASHER/GR A 10.5	2	30	161636	WASHER/NORD-LOCK NL 12	10



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161722	LUBRICATION ZERK BLOCK	1	8	161461	SCREW JOINT	3
2	651507	SHCS M6-1X20 C8.8 ZY DIN912	2	9	161469	WASHER	4
3	161675	LOCKWASHER S6	2	10	161468	NUT	4
4	161660	WASHER GR A6.4 ZO DIN 125	2	11	206094	PLUG SLEEVE	4
5	161411	GREASE ZERK-7MM HEX HEAD	2	12	161457	ELBOW	1
6	161422	CAP	2	13	206165	LUBRICATION TUBE (0.60M)	1
7	161401	SET SCREW	1	14	206971	LUBRICATION TUBE (1.4M)	1

283Z - COUNTERWEIGHT

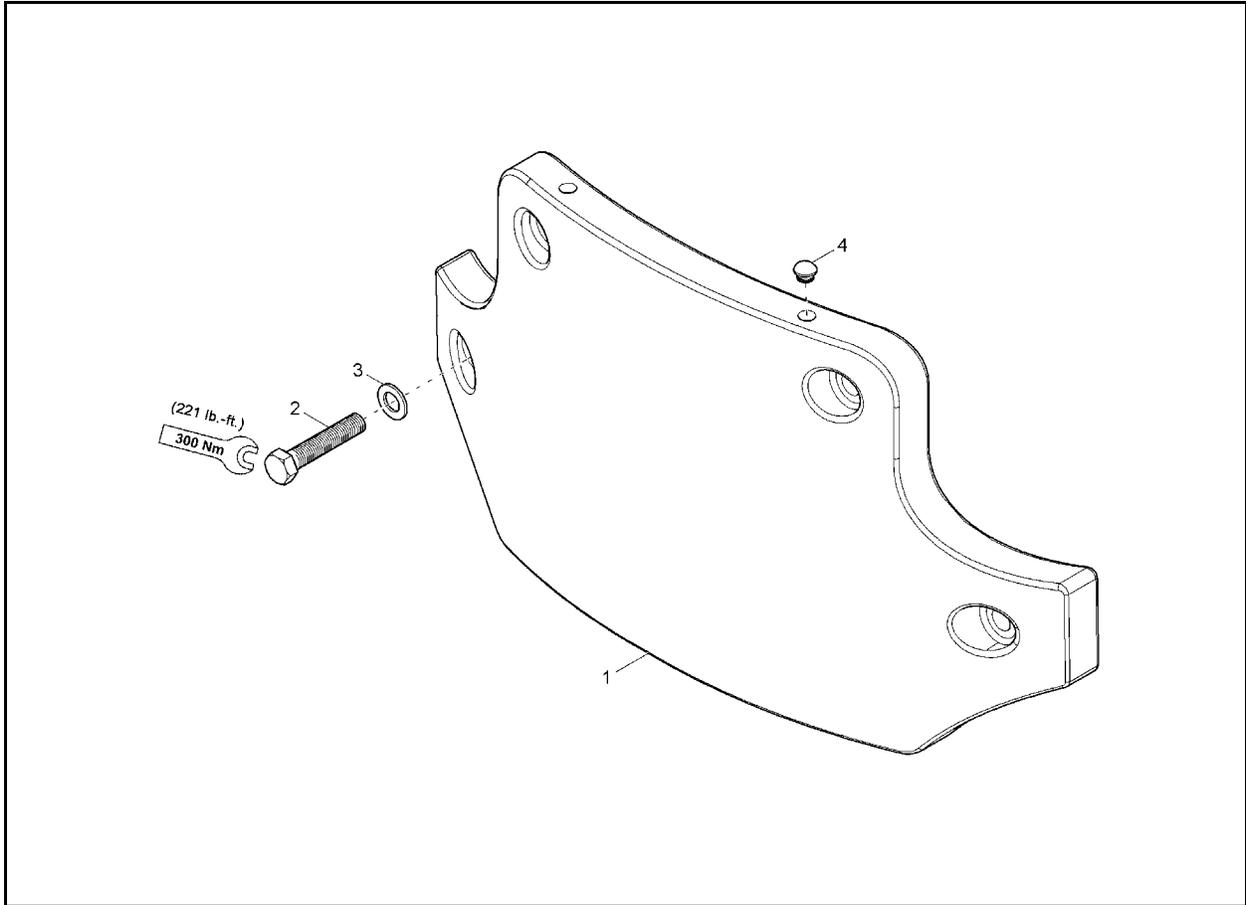
1000177072



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201688	COUNTERWEIGHT	1	6	201799	RUBBER PROFILE (0.04M)	1
2	177687	HEX SCREW	2	7	651393	CS M10-1.5X25 C8.8 ZY	4
3	161652	WASHER/GR A 21 ZO DIN125	2	8	161669	LOCKWASHER S10	4
4	177660	PLUG	4	9	161640	WASHER/GR A 10.5	4
5	201689	PLATE	2	10	201799	RUBBER PROFILE (0.04M)	1

283Z - COUNTERWEIGHT (OPTION)

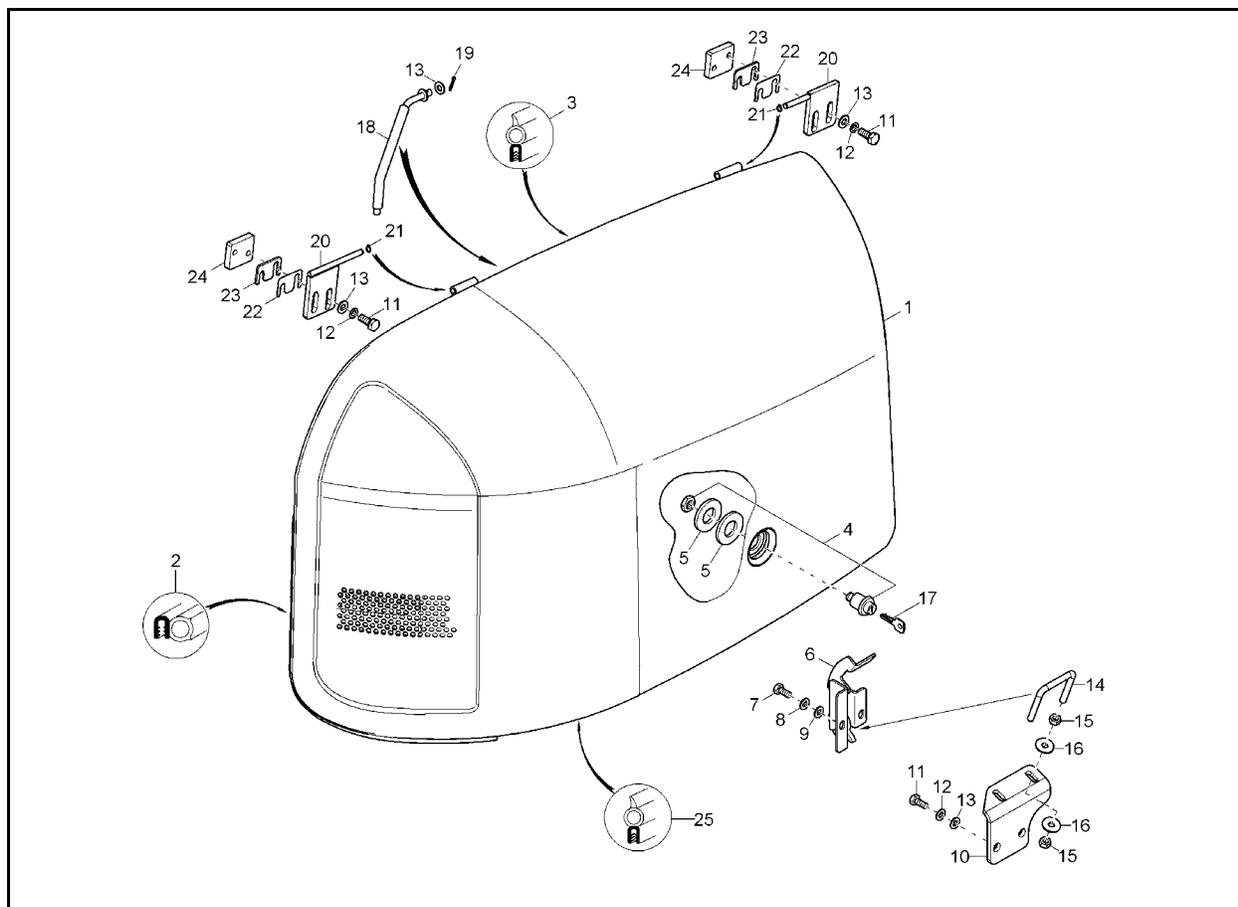
1000177073



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201690	COUNTERWEIGHT (OPTION) 247 LBS. (112 KG)	1	3	161652	WASHER/GR A 21 ZO DIN125	4
2	656040	CS M20-2.5X70 C8.8 ZY DIN931	4	4	177660	PLUG	2

283Z - ENGINE HOOD

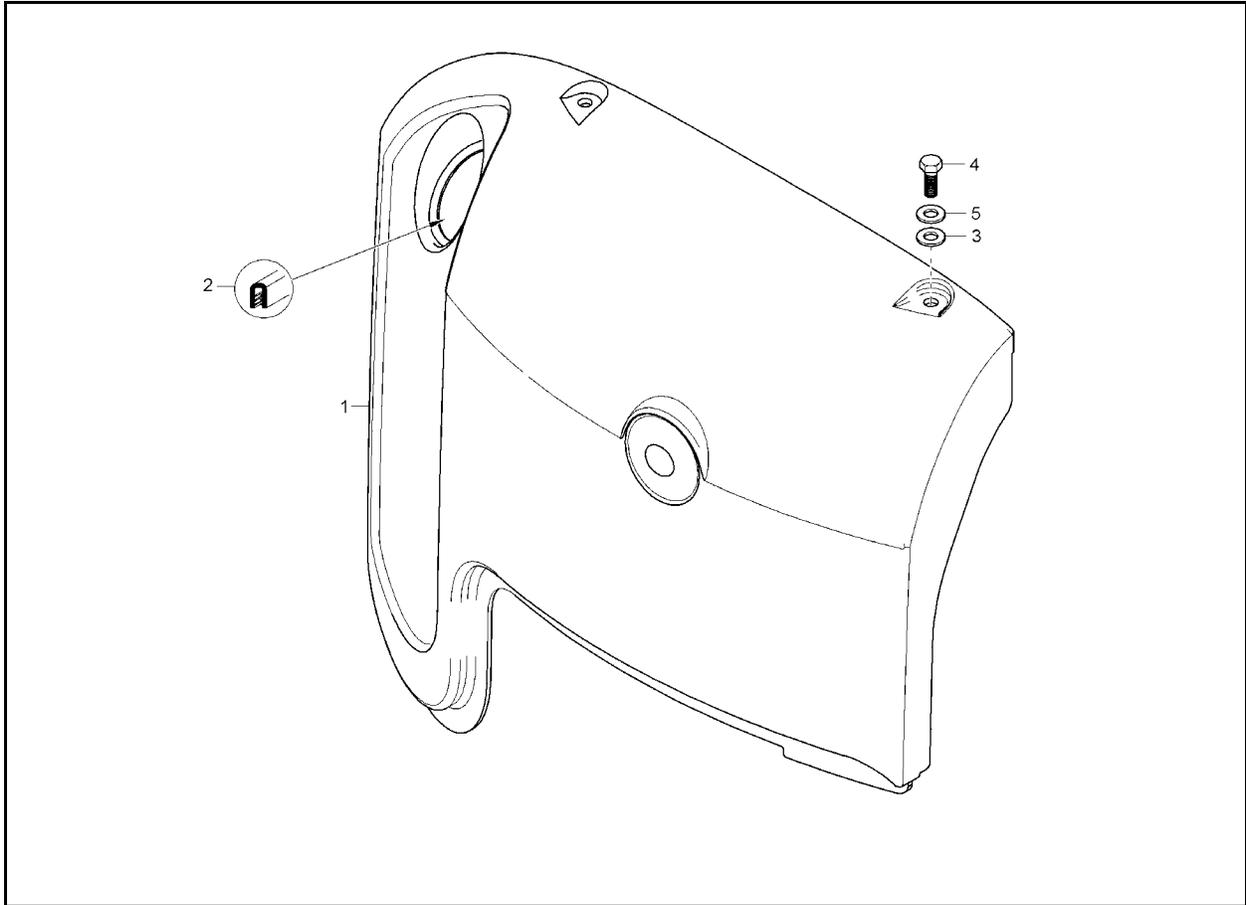
1000177187



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201749	ENGINE HOOD	1	14	205777	U-BOLT	1
2	207284	RUBBER EXTRUSION (1.0M)	1	15	656048	HN M8-1.25 C8 ZY DIN934	4
3	207090	HOSE PROFILE (0.3M)	1	16	7462680011	WASHER 8.4 ST A2C	4
4	177678	LOCK (W/O KEY)	1	17	101792	KEY (W/O LOCK)	1
5	206877	SPACER	2	18	201693	ROD	1
6	201691	LATCH	1	19	7530680039	COTTERPIN 3.2X20	1
7	177648	HEX SCREW	2	20	201694	HINGE	2
8	163670	LOCKWASHER	2	21	162058	WASHER	2
9	163634	WASHER	2	22	162675	SHIM (1.0MM)	AR
10	201692	BRACKET	1	23	201695	SHIM (3.0MM)	AR
11	651393	CS M10-1.5X25 C8.8 ZY	6	24	201696	PLATE	2
12	161669	LOCKWASHER S10	6	25	207094	HOSE PROFILE (1.2M)	1
13	161640	WASHER/GR A 10.5	7				

283Z - TANK COVER

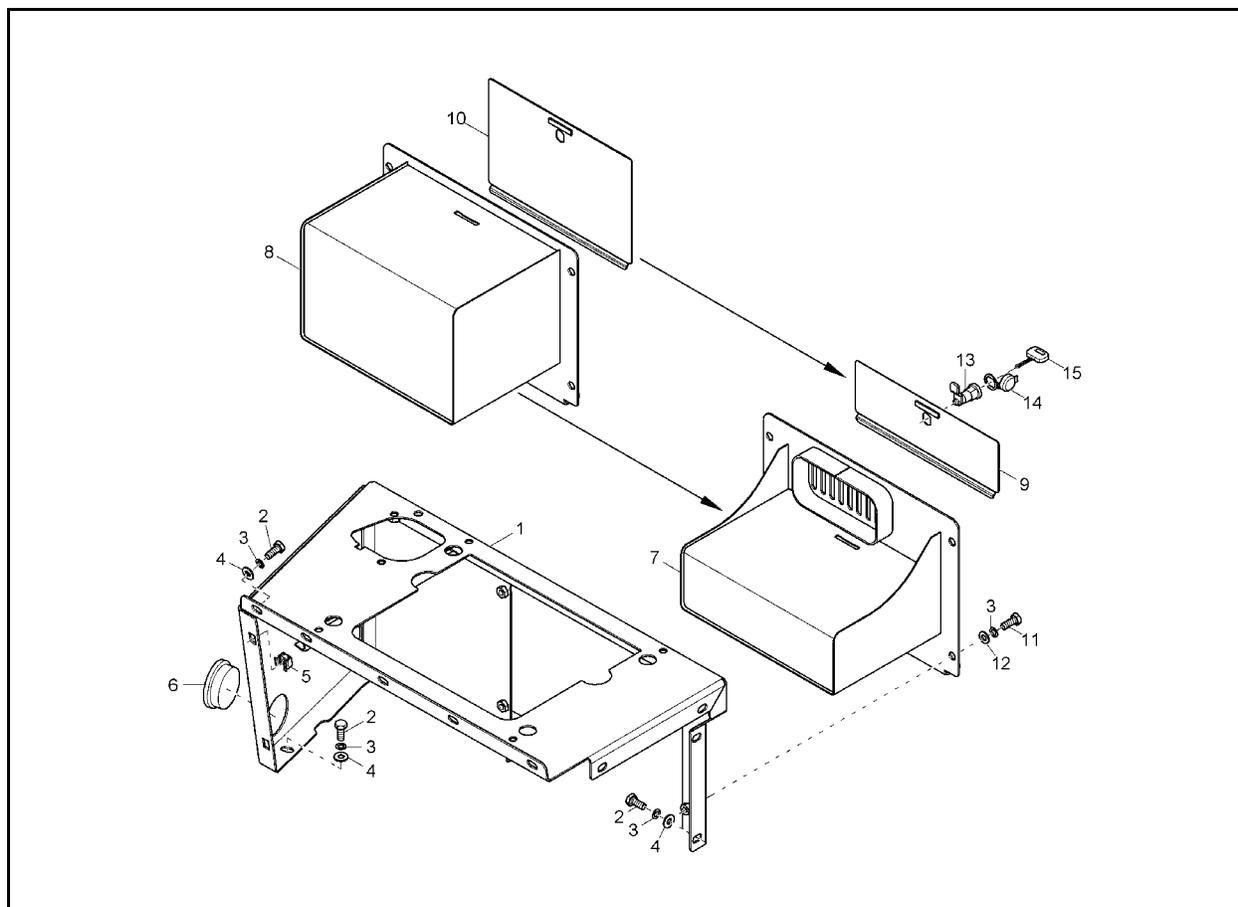
1000177079



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201800	TANK COVER	1	4	651393	CS M10-1.5X25 C8.8 ZY	2
2	207220	PVC EDGE PROTECTION (0.35M)	1	5	161669	LOCKWASHER S10	5
3	161663	WASHER/GR A 10.5 ZO	5				

283Z - SEAT CONSOLE

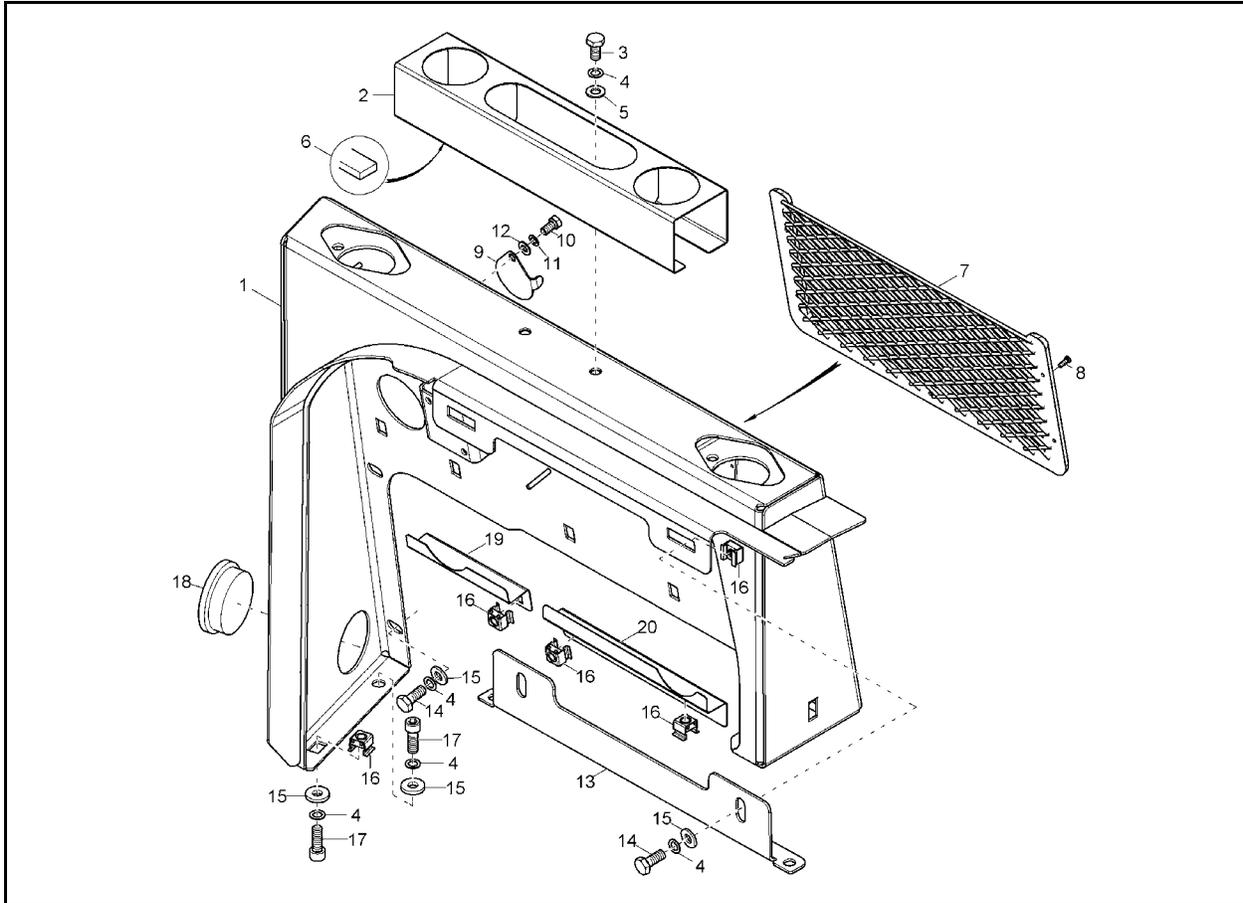
1000176749



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201697	SEAT CONSOLE	1	9	201701	COVER	1
2	651393	CS M10-1.5X25 C8.8 ZY	14	10	201702	COVER (CANOPY)	1
3	161669	LOCKWASHER S10	18	11	656006	CS M10-1.5X20 C8.8 ZY DIN931	4
4	177207	SPACER	14	12	161651	WASHER 20	4
5	161610	NUT/CAGE M10	2	13	2529457G	LOCK (W/O KEYS)	1
6	201698	PLUG	2	14	201685	DUST CAP (CANOPY)	1
7	201699	STORAGE BOX	1	15	101792	KEY (W/O LOCK)	1
8	201700	STORAGE BOX (CANOPY)	1				

283Z - REAR PLATE

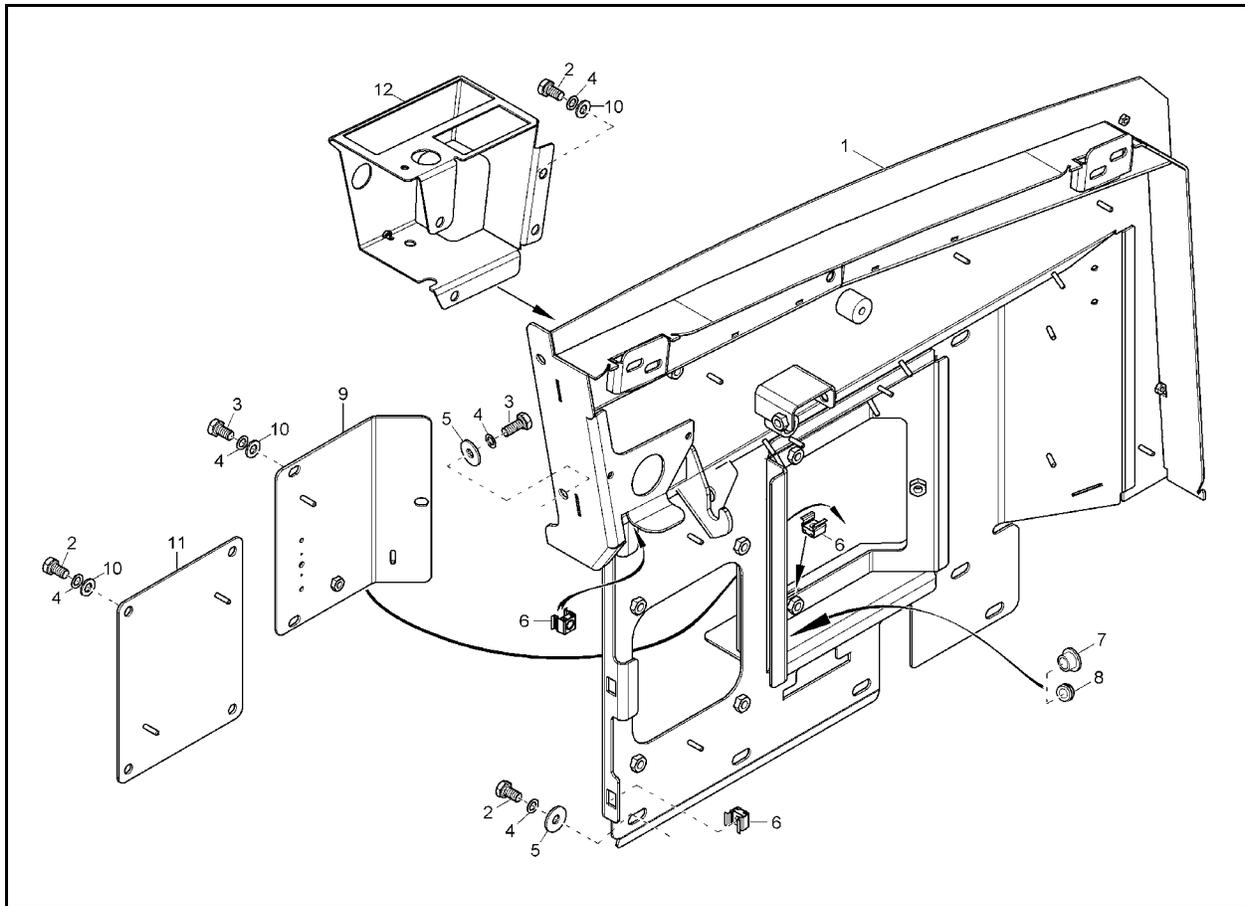
1000176746



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201704	REAR PLATE	1	11	163670	LOCKWASHER	1
2	201705	TRAY	1	12	163634	WASHER	1
3	656006	CS M10-1.5X20 C8.8 ZY DIN931	2	13	201708	BRACKET	1
4	161669	LOCKWASHER S10	6	14	651393	CS M10-1.5X25 C8.8 ZY	4
5	161663	WASHER/GR A 10.5 ZO	2	15	177207	SPACER	6
6	204740	SEAL FOAM (1.0M)	1	16	161610	NUT/CAGE M10	15
7	201706	GRATE	1	17	162022	SCREW	2
8	162035	SCREW	5	18	201698	PLUG	1
9	201707	COVER	1	19	201710	BRACKET	1
10	656093	CS M8-1.25X16 C8.8 ZY DIN931	1	20	201711	BRACKET	1

283Z - FIREWALL

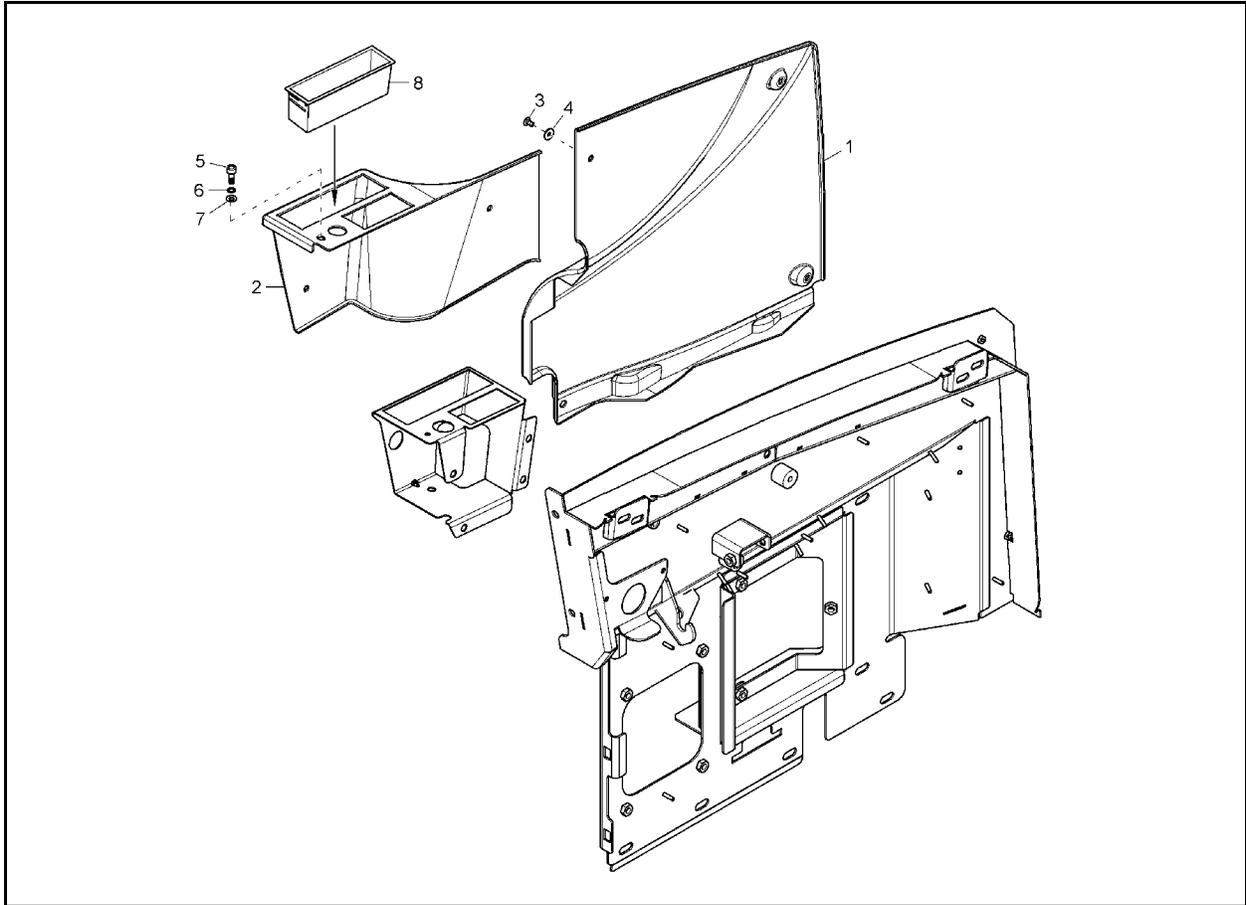
1000177263



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201712	FIREWALL	1	7	165913	PLUG	2
2	656006	CS M10-1.5X20 C8.8 ZY DIN931	14	8	201713	PLUG (CANOPY)	2
3	651393	CS M10-1.5X25 C8.8 ZY	6	9	201714	COVER	1
4	161669	LOCKWASHER S10	20	10	161640	WASHER/GR A 10.5	11
5	161651	WASHER 20	9	11	201715	COVER	1
6	161610	NUT/CAGE M10	10	12	201716	CONSOLE	1

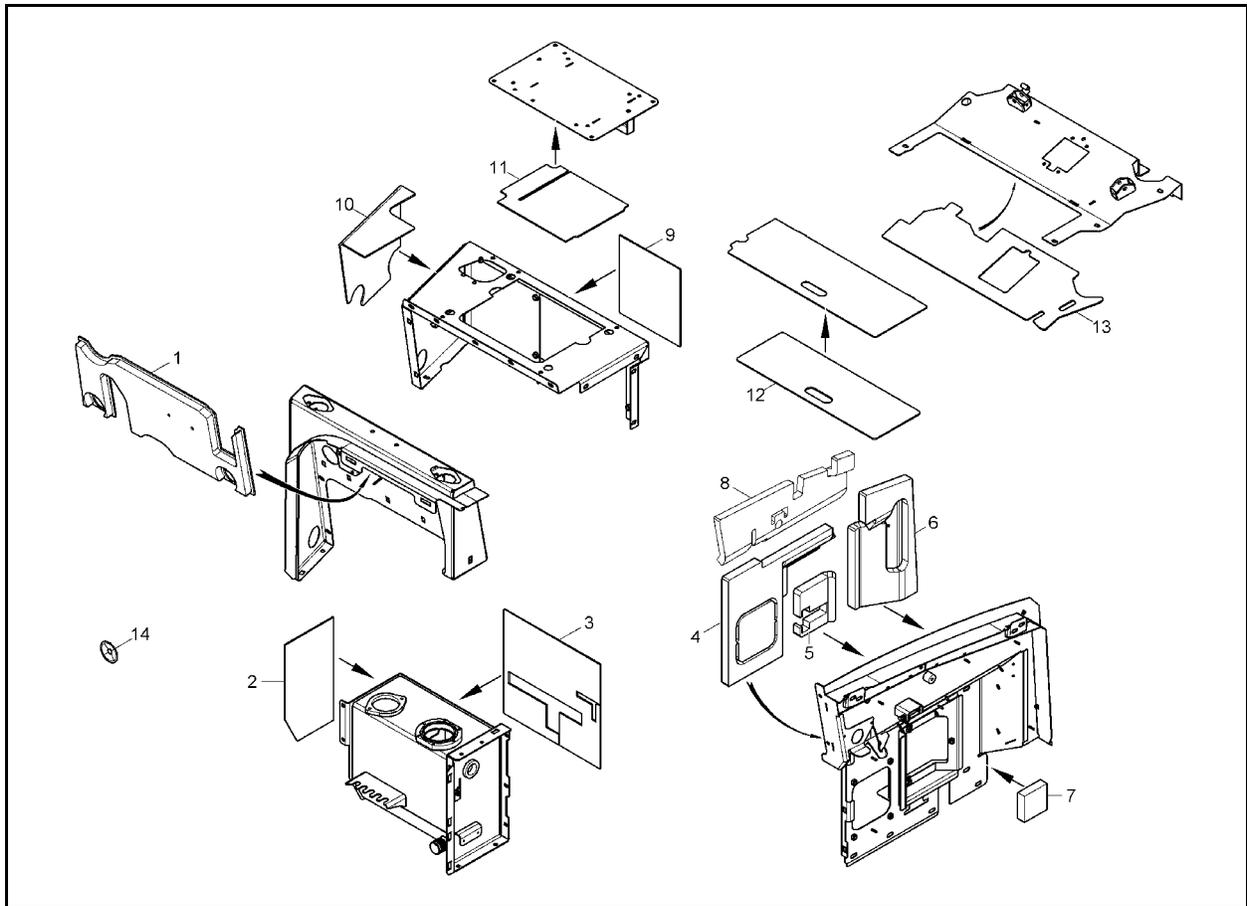
283Z - RIGHT SIDE TRIM

1000177269

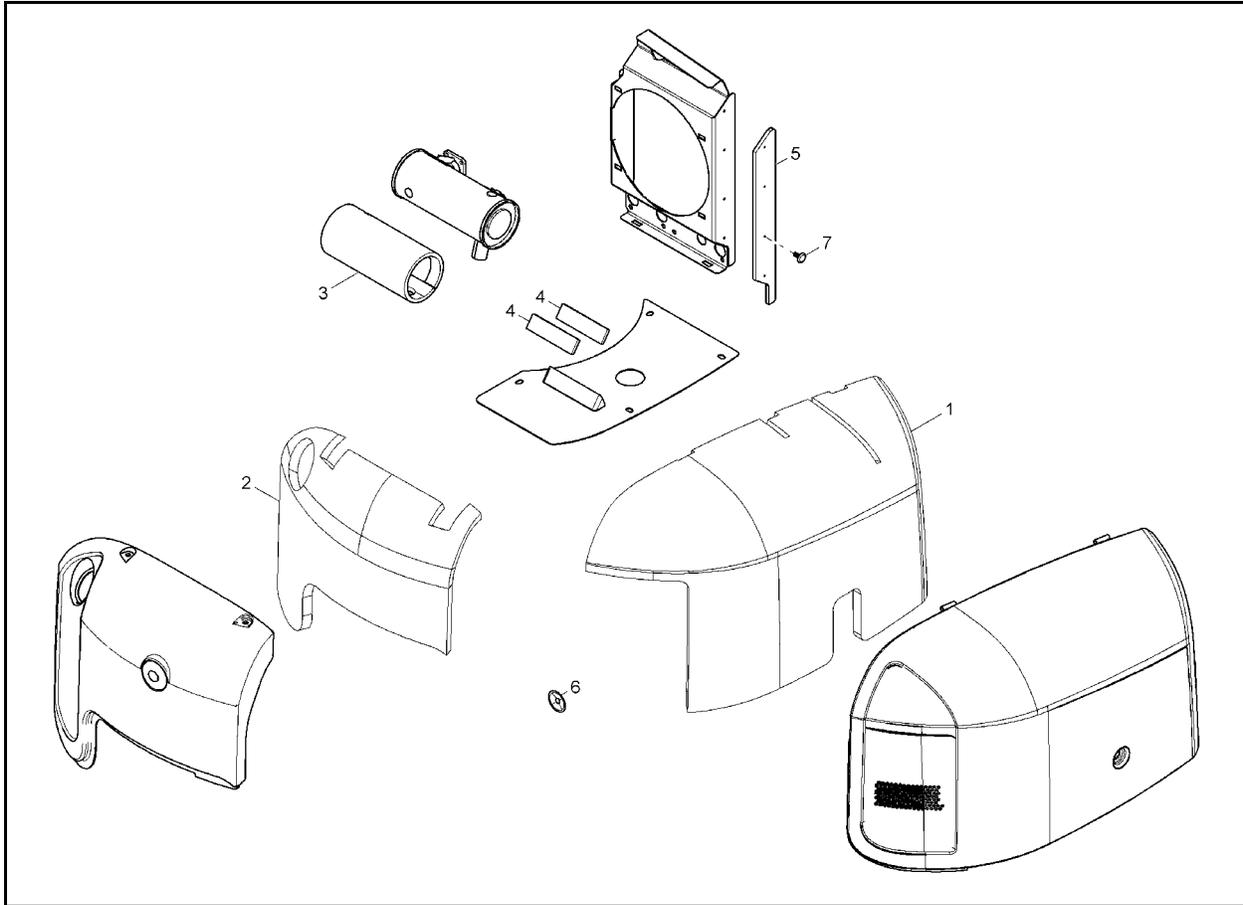


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201717	SIDE TRIM	1	5	164911	SCREW	1
2	201718	SIDE TRIM	1	6	163670	LOCKWASHER	1
3	201719	FHCS M6X12	5	7	163634	WASHER	1
4	7462680206	SPACER	5	8	201720	TRAY	1

283Z - ISOLATION MAT 1
1000177021



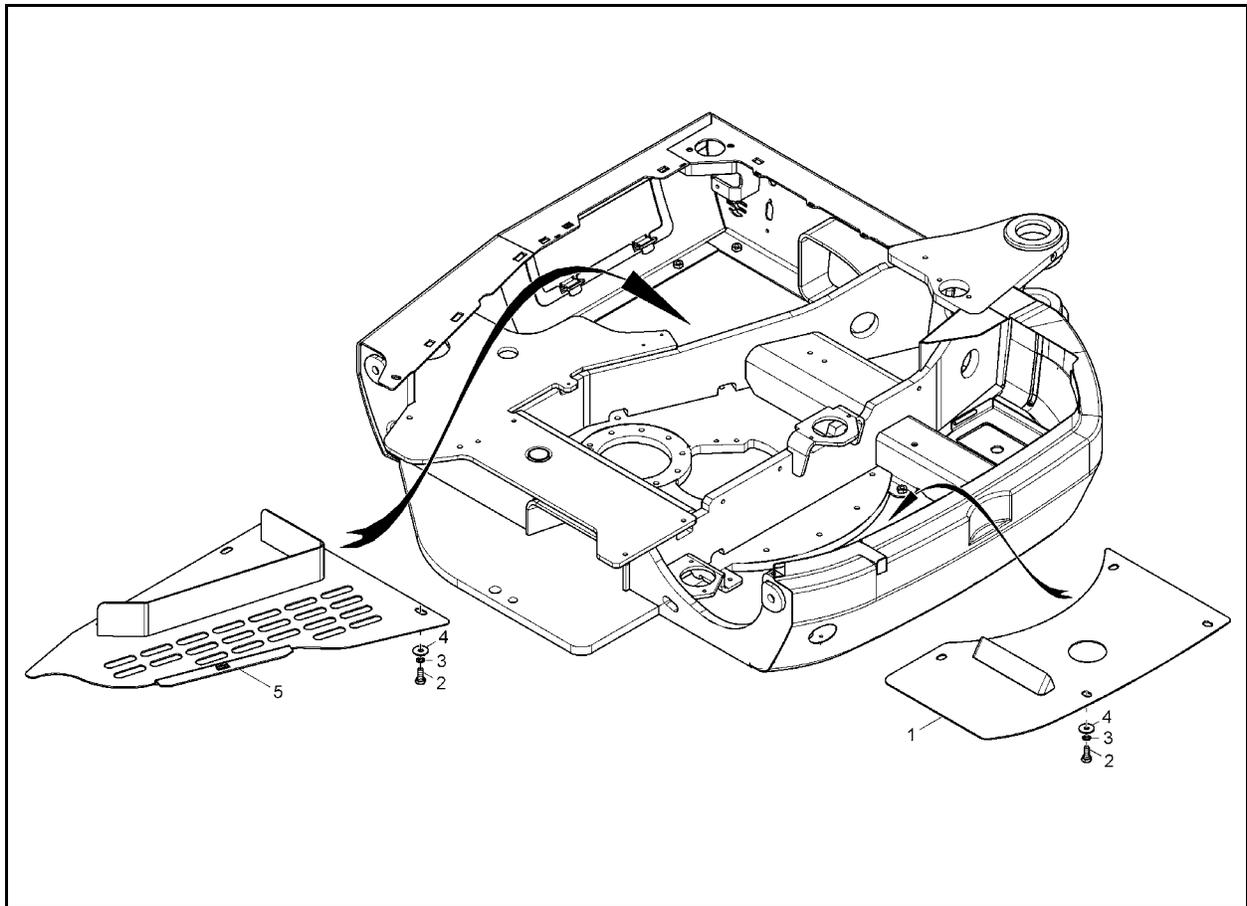
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201721	ISOLATION MAT	1	8	201728	ISOLATION MAT	1
2	201722	ISOLATION MAT	1	9	201729	ISOLATION MAT	1
3	201723	ISOLATION MAT	1	10	201730	ISOLATION MAT	1
4	201724	ISOLATION MAT	1	11	201731	ISOLATION MAT	1
5	201725	ISOLATION MAT	1	12	201732	ISOLATION MAT	1
6	201726	ISOLATION MAT	1	13	201733	ISOLATION MAT	1
7	201727	ISOLATION MAT	1	14	177934	CLAMP	26



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201734	ISOLATION MAT (1000164456)	1	5	201590	ISOLATION MAT	1
2	201735	ISOLATION MAT (1000164221)	1	6	177934	CLAMP	19
3	201736	ISOLATION MAT	1	7	164754	RIVET 20MM	4
4	201737	ISOLATION MAT	2				

283Z - CHASSIS COVER

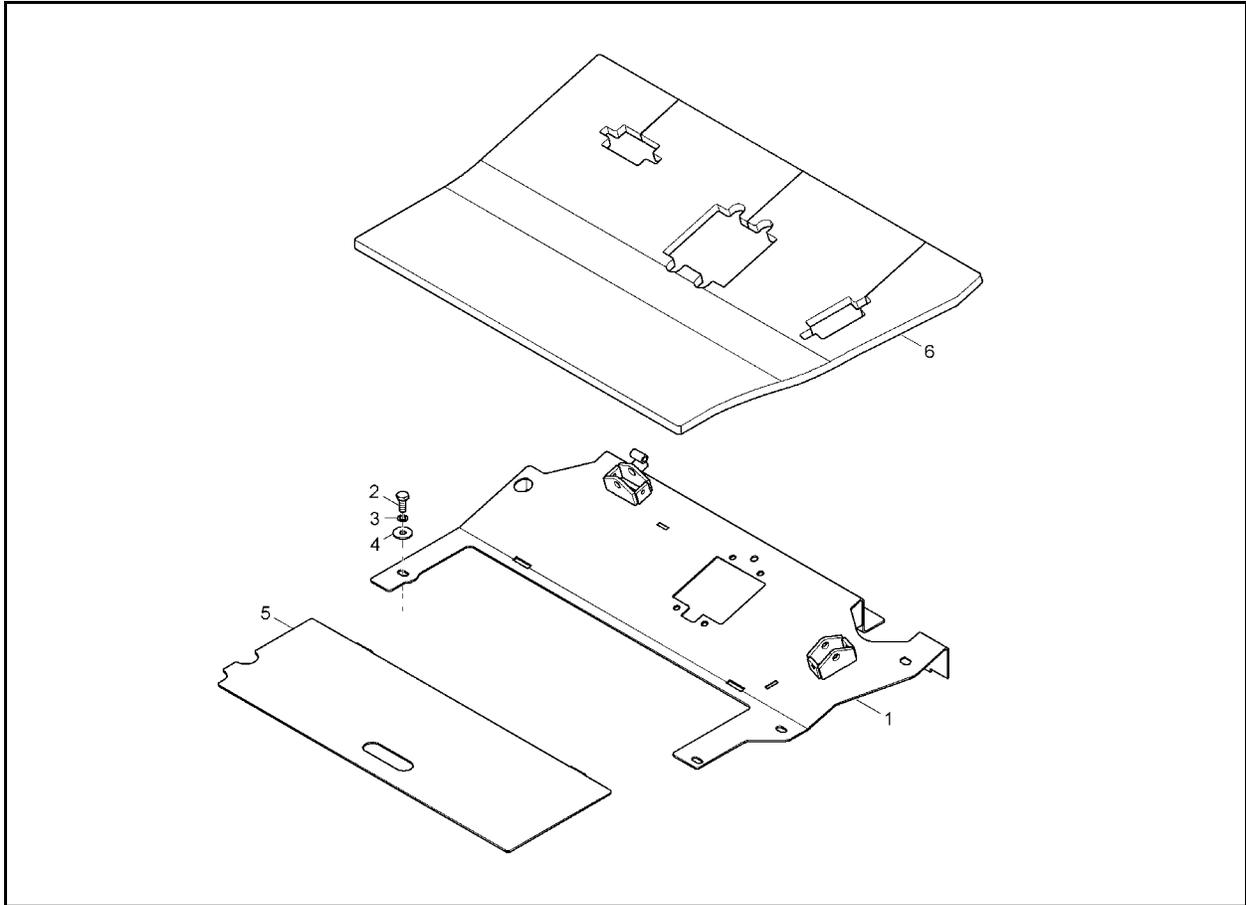
1000177080



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201739	ENGINE COVER	1	4	161669	LOCKWASHER S10	8
2	161663	WASHER/GR A 10.5 ZO	8	5	201740	CAB COVER	1
3	651393	CS M10-1.5X25 C8.8 ZY	8				

283Z - FLOOR PLATE

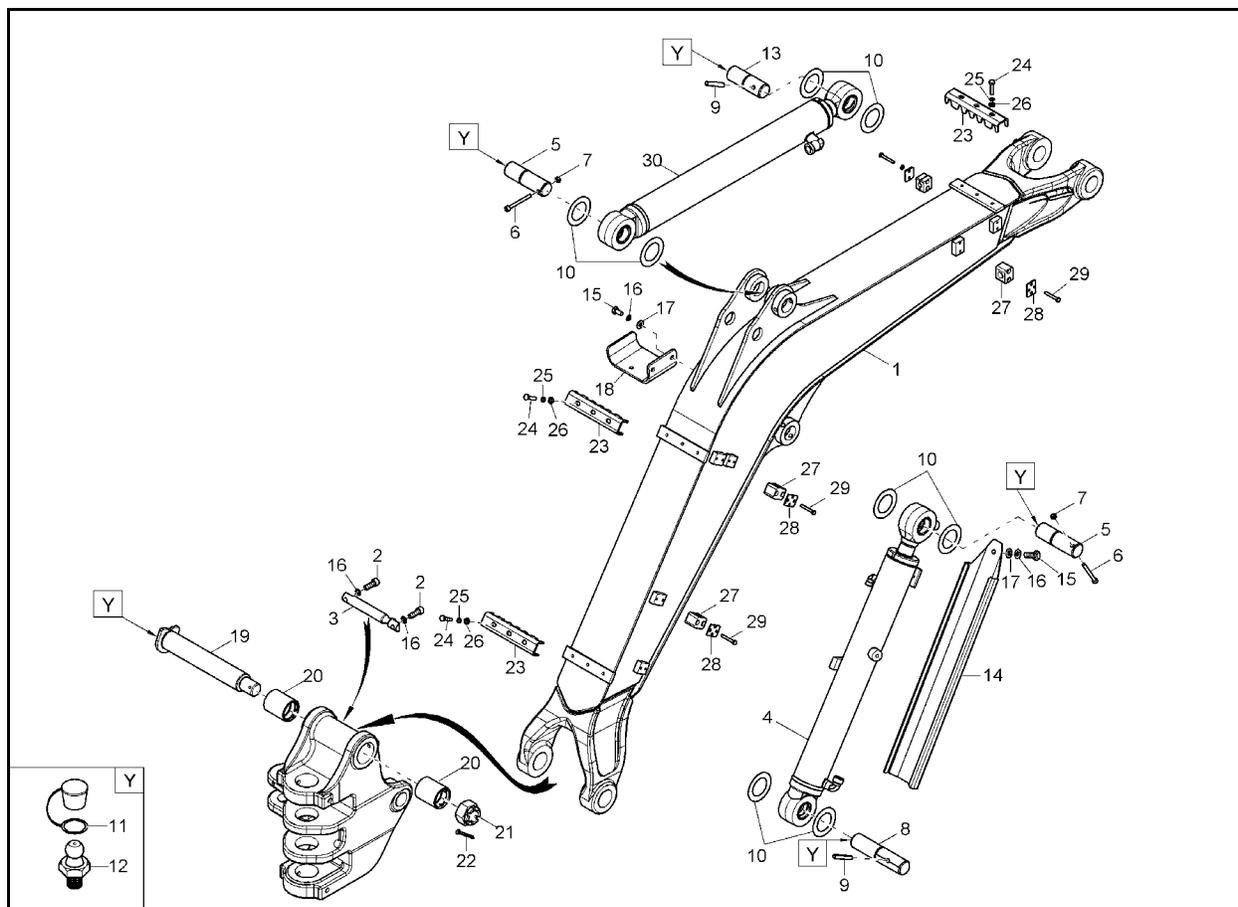
1000177077



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201741	FLOOR PLATE	1	4	161651	WASHER 20	5
2	651393	CS M10-1.5X25 C8.8 ZY	5	5	201742	FLOOR PLATE	1
3	161669	LOCKWASHER S10	5	6	201743	FOOT MAT	1

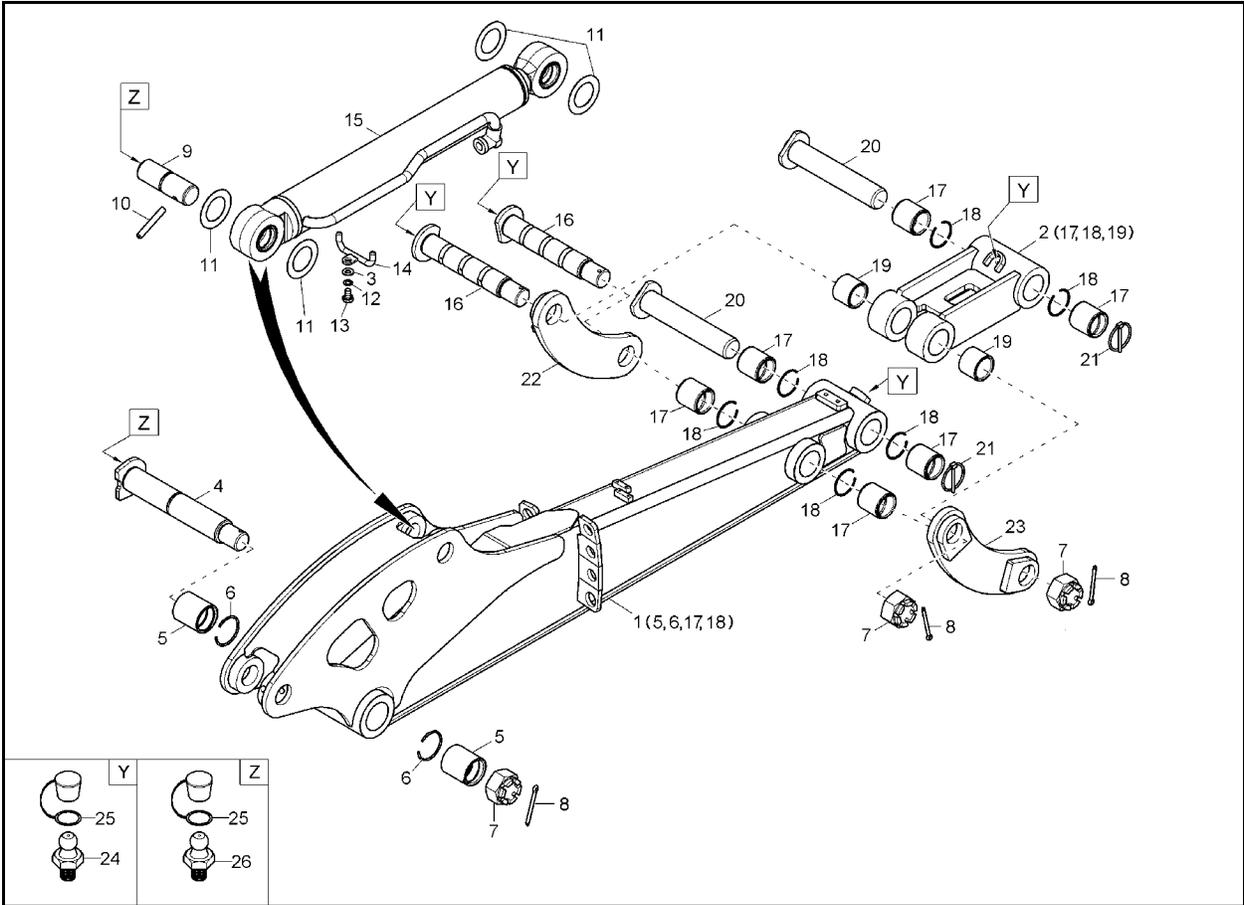
283Z - BOOM

1000176341



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201744	BOOM	1	15	656006	CS M10-1.5X20 C8.8 ZY DIN931	3
2	162022	SCREW	2	16	161669	LOCKWASHER S10	5
3	201745	HOSE GUIDE	1	17	161640	WASHER/GR A 10.5	3
4	201622	BOOM CYLINDER See page 47 for individual components	1	18	201750	BRACKET	1
5	201746	PIN (1000163289)	2	19	201751	PIN	1
6	165928	SCREW	2	20	161535	BUSHING	2
7	651458	LN INS M8-1.25 C8 ZY DIN6924	2	21	651443	HN SLTD M36-4 C8ZY DIN935	1
8	201747	PIN	1	22	161682	PIN/SPRING M6.3X63 ZO	1
9	165955	COTTERPIN	2	23	201752	PIPE CLAMP	3
10	205538	SHIM (0.50MM)	AR	24	656006	CS M10-1.5X20 C8.8 ZY DIN931	9
	205539	SHIM (1.00MM)	AR	25	163670	LOCKWASHER	9
	205540	SHIM (1.50MM)	AR	26	163634	WASHER	9
	205541	SHIM (2.00MM)	AR	27	161554	TUBE CLAMP	3
11	161422	CAP	5	28	162066	COVER	3
12	161412	GREASE ZERK-9MM HEX HEAD	5	29	656172	CS M6-1X45 C8.8 ZY DIN931	6
13	201748	PIN	1	30	201634	DIPPER ARM CYLINDER See page 49 for individual components	1
14	201624	PROTECTING RAIL	1				

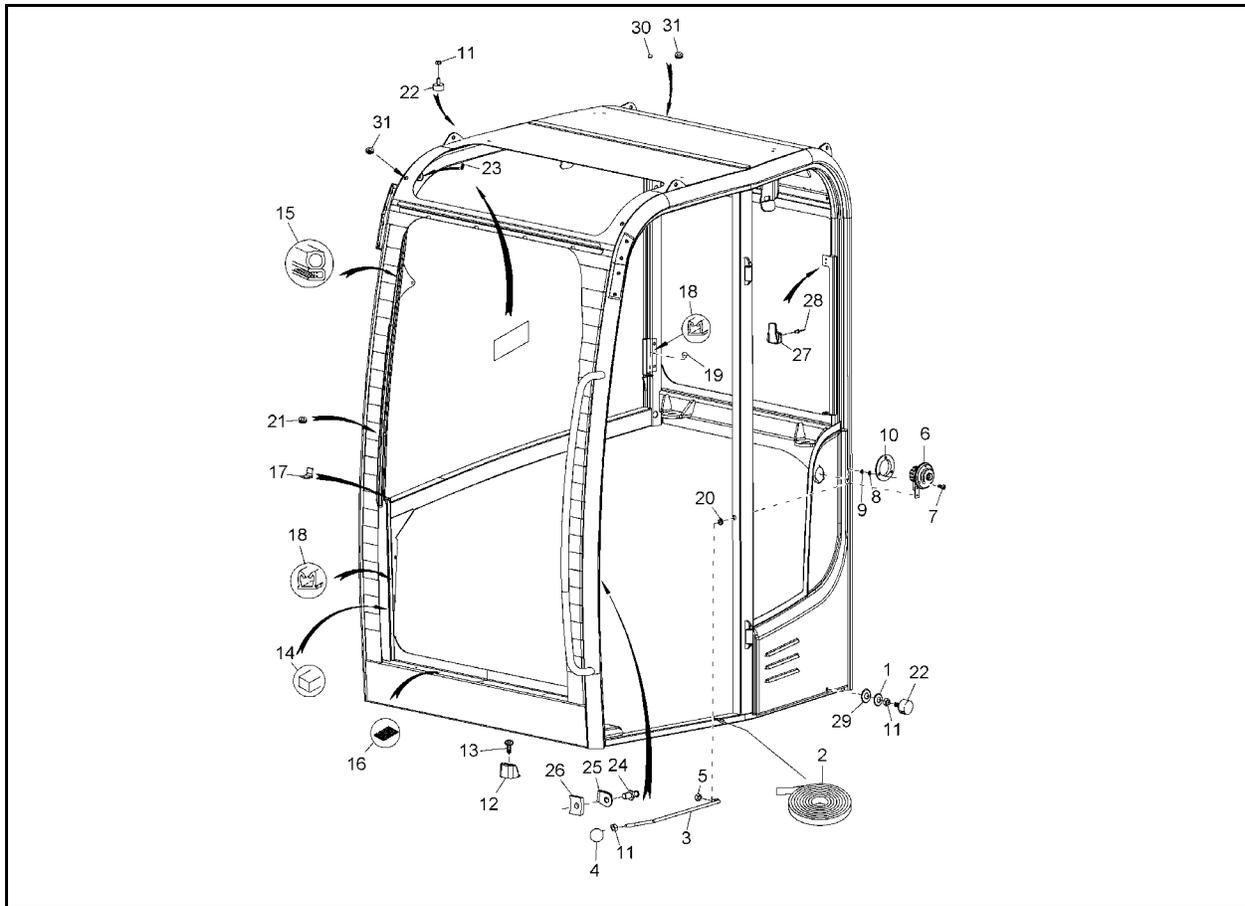
283Z - DIPPER ARM
1000176472



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201801	PRE-ASSEMBLED DIPPER ARM LONG (INCLUDES 5, 6, 17 & 18)	1	12	161669	LOCKWASHER S10	1
2	201802	PRE-ASSEMBLED CONNECTING LINK (INCLUDES 17, 18 & 19)	1	13	656090	CS M10-1.5X16 C8.8 ZY DIN931	1
3	161640	WASHER/GR A 10.5	1	14	177899	BRACKET/HOSE	1
4	205743	PIN	1	15	201642	BUCKET CYLINDER See page 51 for individual components	1
5	161542	BUSHING	2	16	201753	PIN	2
6	161687	RING/SNAP B55 D7993	2	17	161536	BUSHING	6
7	651443	HN SLTD M36-4 C8ZY DIN935	3	18	161686	SNAP RING	6
8	161682	PIN/SPRING M6.3X63 ZO	3	19	161533	BUSHING	2
9	201748	PIN	1	20	160803	PIN	2
10	165955	COTTERPIN	1	21	162489	COTTER PIN	2
11	205538	SHIM (0.50MM)	AR	22	201754	PIVOT PLATE	1
	205539	SHIM (1.00MM)	AR	23	201755	PIVOT PLATE	1
	205540	SHIM (1.50MM)	AR	24	161411	GREASE ZERK-7MM HEX HEAD	4
	205541	SHIM (2.00MM)	AR	25	161422	CAP	6
				26	161412	GREASE ZERK-9MM HEX HEAD	2

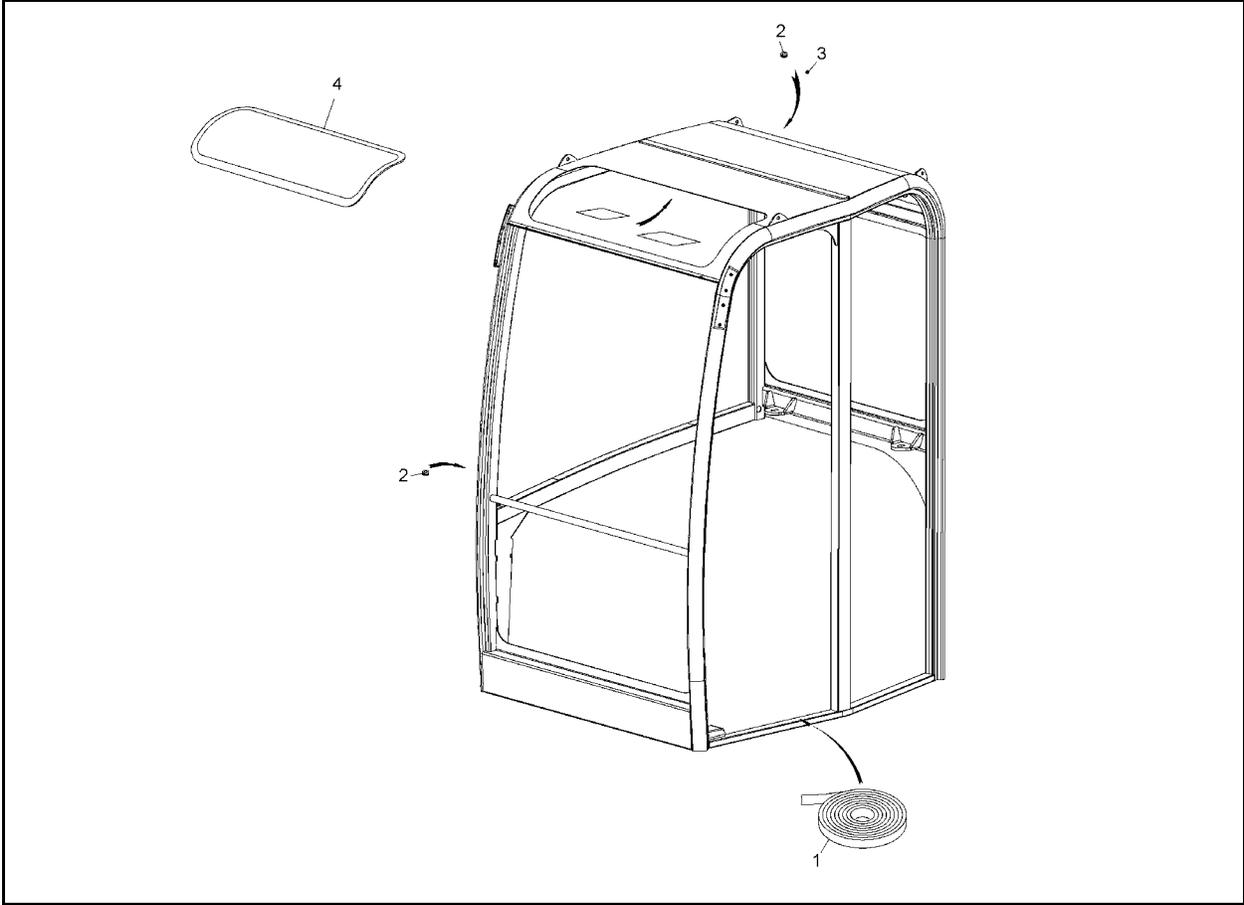
283Z - CAB FRAME

1000176797



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	162812	WASHER	1	16	206173	SEAL - (0.80M)	1
2	206156	ANTI-SLIDE STRIP (0.70M)	1	17	206879	CLAMP SHOE	2
3	201756	ANTILOCK ROD	1	18	206799	WINDOW SEAL (1.0M)	1
4	178030	BALL HEAD	1	19	164686	RUBBER PLUG	2
5	651458	LN INS M8-1.25 C8 ZY DIN6924	1	20	178036	RUBBER SLEEVE	1
6	178032	DOOR LATCH	1	21	1424420G	RUBBER BUSHING	4
7	178034	SCREW	3	22	165215	RUBBER-BUFFER	3
8	162925	WASHER	3	23	205929	THREAD PIN	2
9	651456	LN INS M5-0.8 C8 ZY DIN6924	3	24	161921	PIN	1
10	178033	RUBBER DISC	1	25	164771	BRACKET	1
11	9901152G	NUT	3	26	164678	PLATE	1
12	1423414G	COLLAR	2	27	178040	CLOTH HOOK	1
13	162031	SCREW	2	28	201757	BLIND RIVET	1
14	205603	FOAM RUBBER BLACK 10X15MM (1.90M)	1	29	160639	RUBBER WASHER	1
15	205605	PROFILE (3.50M)	1	30	164677	PLUG	2
				31	162797	PLUG	5

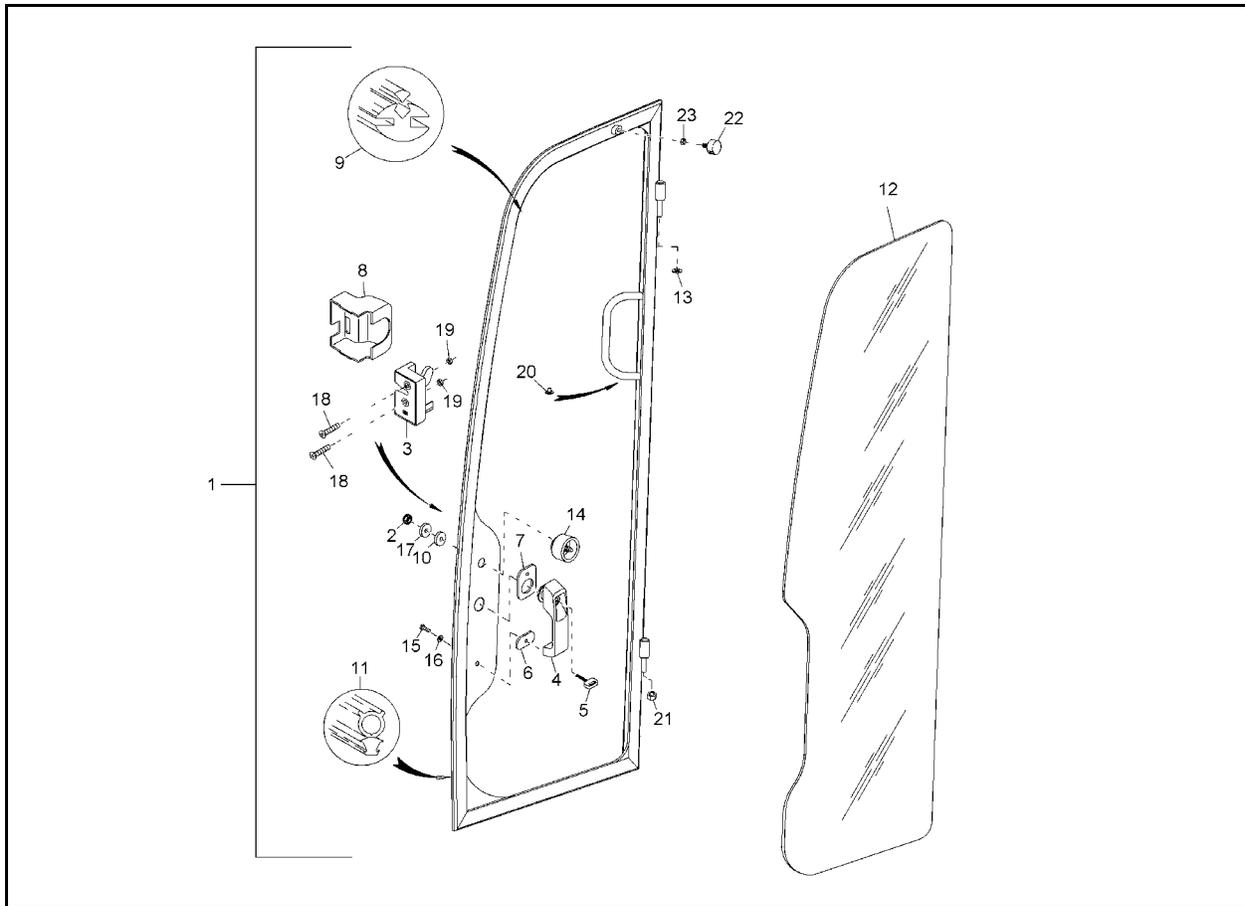
283Z - CANOPY FRAME
1000177383



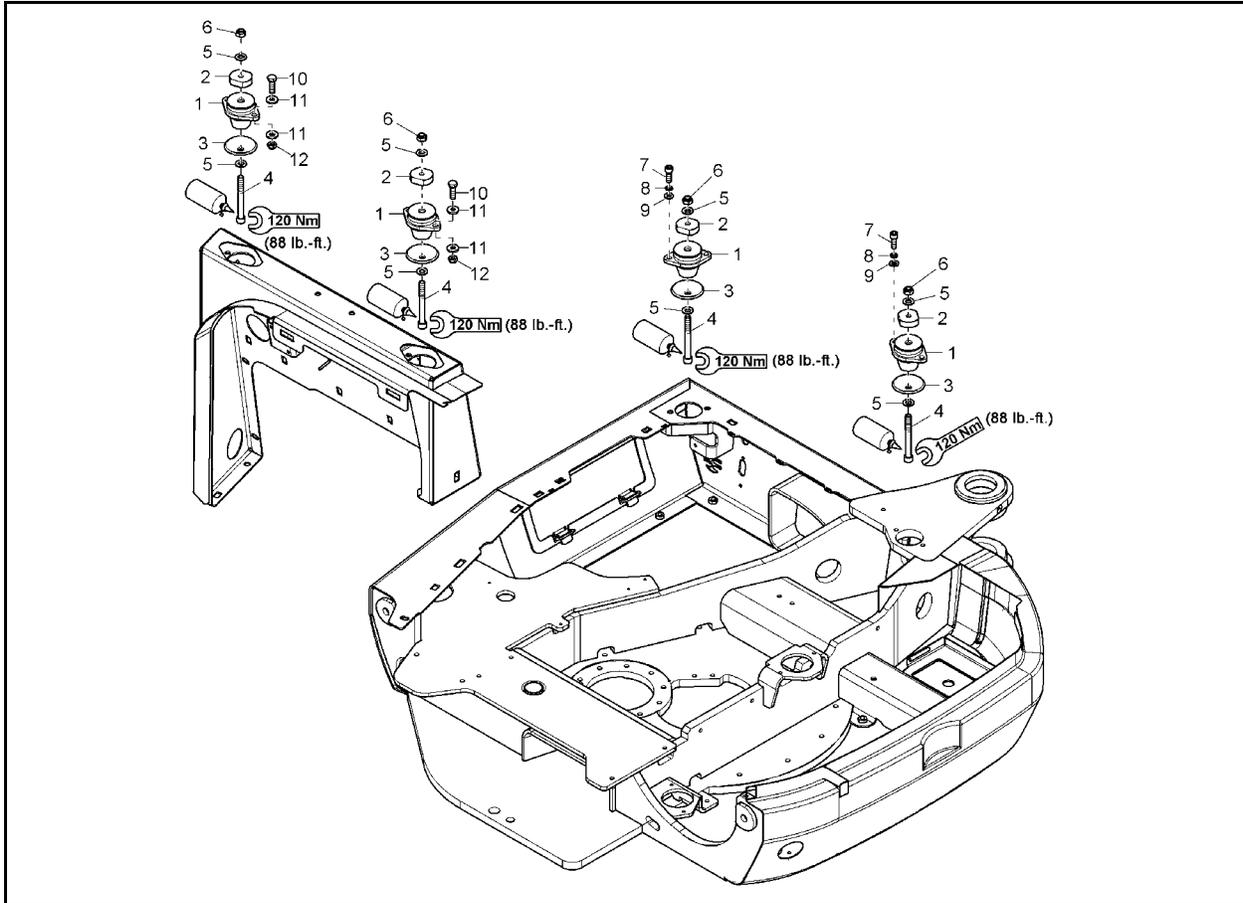
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206156	ANTI-SLIDE STRIP (0.70M)	1	3	164677	PLUG	2
2	162797	PLUG	7	4	206432	FRONT WINDOW/TOP	1

283Z - CAB DOOR

1000177029

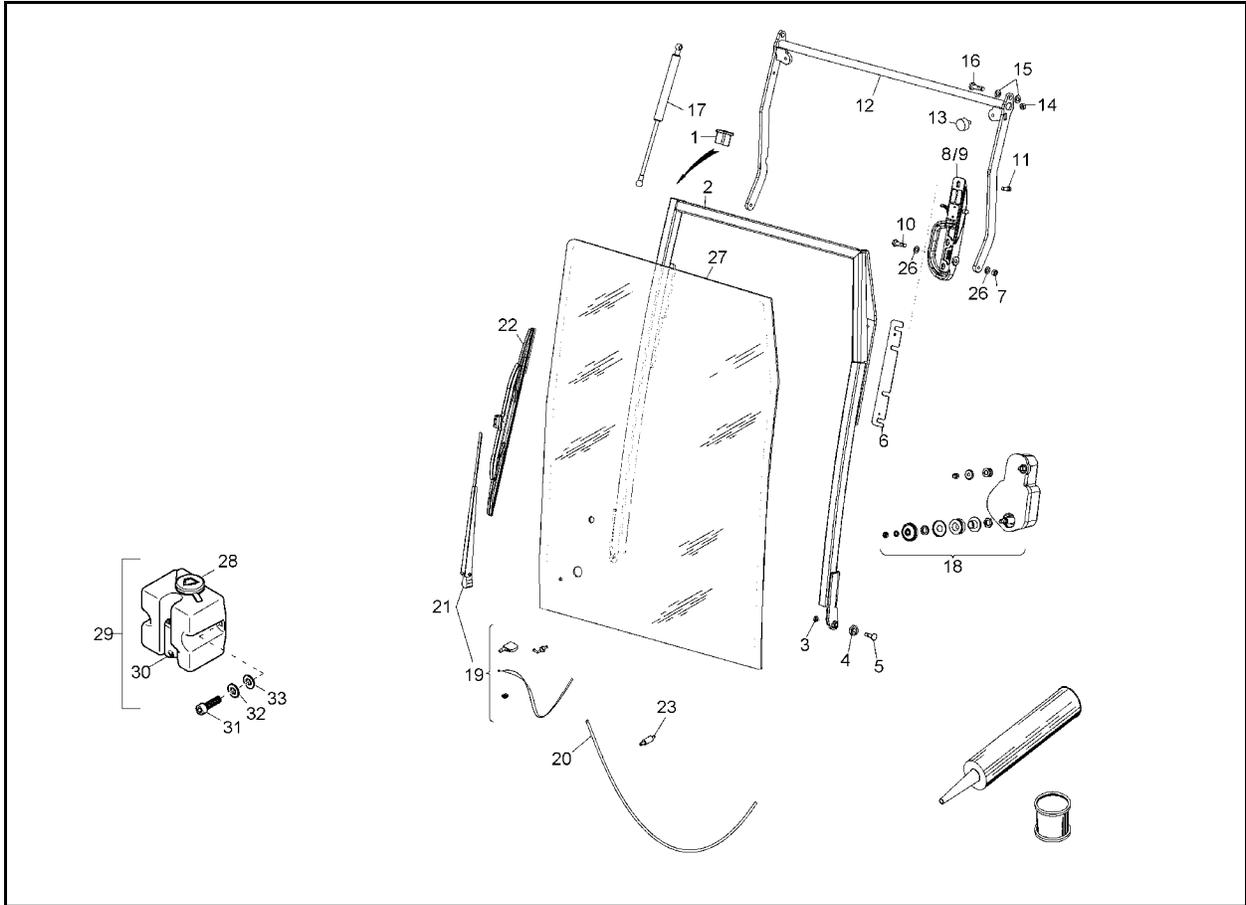


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201758	CAB DOOR COMPLETE	1	13	164688	WASHER	2
2	161618	NUT/HEX DOMED CAP M8	1	14	178061	DOOR FASTENER	1
3	160525	LATCH	1	15	651424	CS M6-1X20 C8.8 ZY DIN931	1
4	161096	HANDLE	1	16	162813	WASHER	1
5	101792	KEY	1	17	162812	WASHER	1
6	164700	SHIM	1	18	162864	SCREW	2
7	164701	SHIM	1	19	651458	LN INS M8-1.25 C8 ZY DIN6924	2
8	165221	COVER	1	20	201760	PLUG	2
9	206136	RUBBER PROFILE (4.30M)	1	21	651448	LN INS M10-1.5 C8 ZY DIN6924	1
10	160639	RUBBER WASHER	1	22	205932	RUBBER BUMPER	1
11	206834	SEAL PROFILE (4.30M)	1	23	9901152G	NUT	1
12	201759	DOOR WINDOW	1				

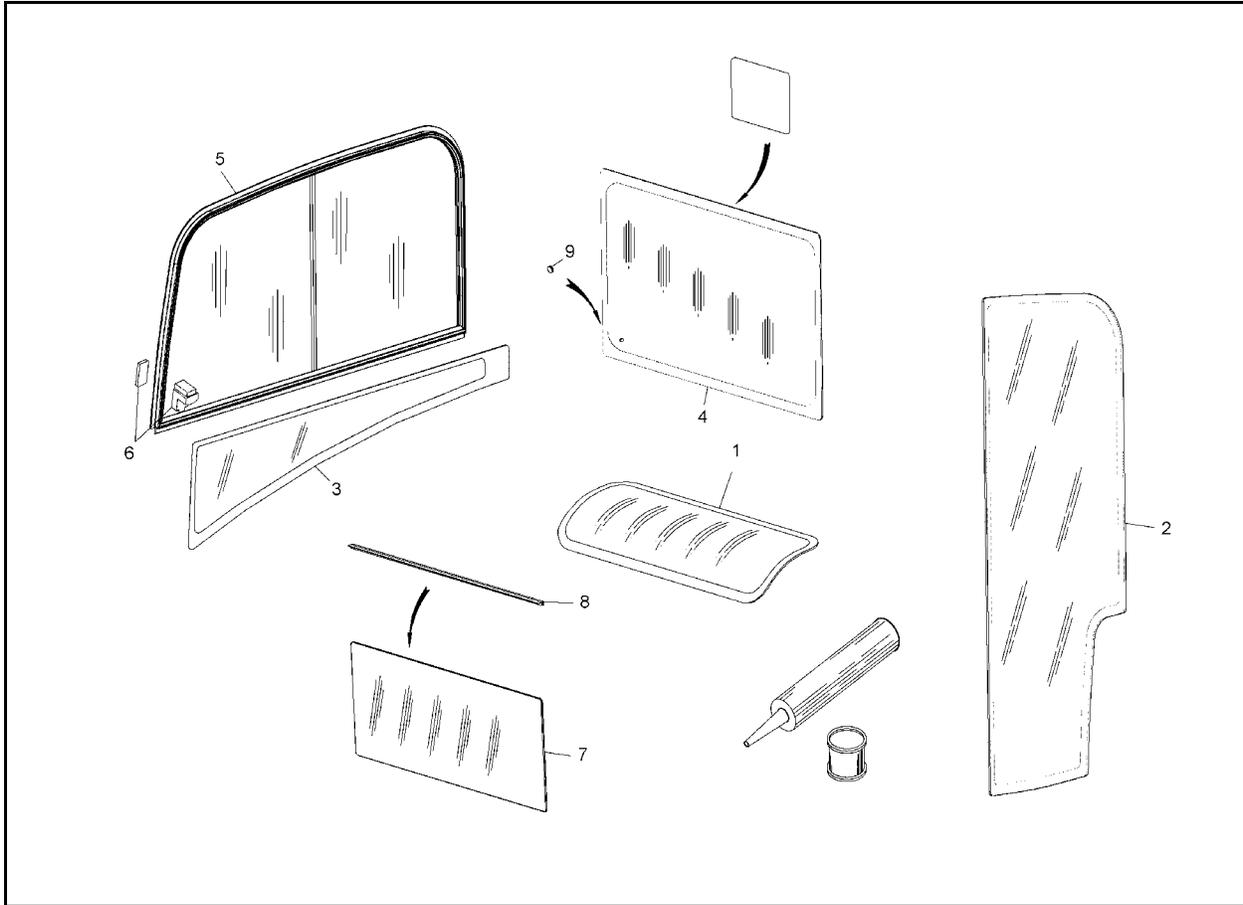


Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	164682	CUSHION	4	7	162022	SCREW	4
2	161875	WASHER	4	8	161669	LOCKWASHER S10	4
3	161936	WASHER	4	9	161640	WASHER/GR A 10.5	4
4	651477	SHCS M12-1.75X110 C10.9 ZY DIN912	4	10	651397	CS M10-1.5X35 C8.8 ZY	4
5	161642	WASHER/GR A 13	8	11	163642	WASHER	8
6	179793	NUT	4	12	651448	LN INS M10-1.5 C8 ZY DIN6924	4

283Z - WINDSHIELD
1000177075



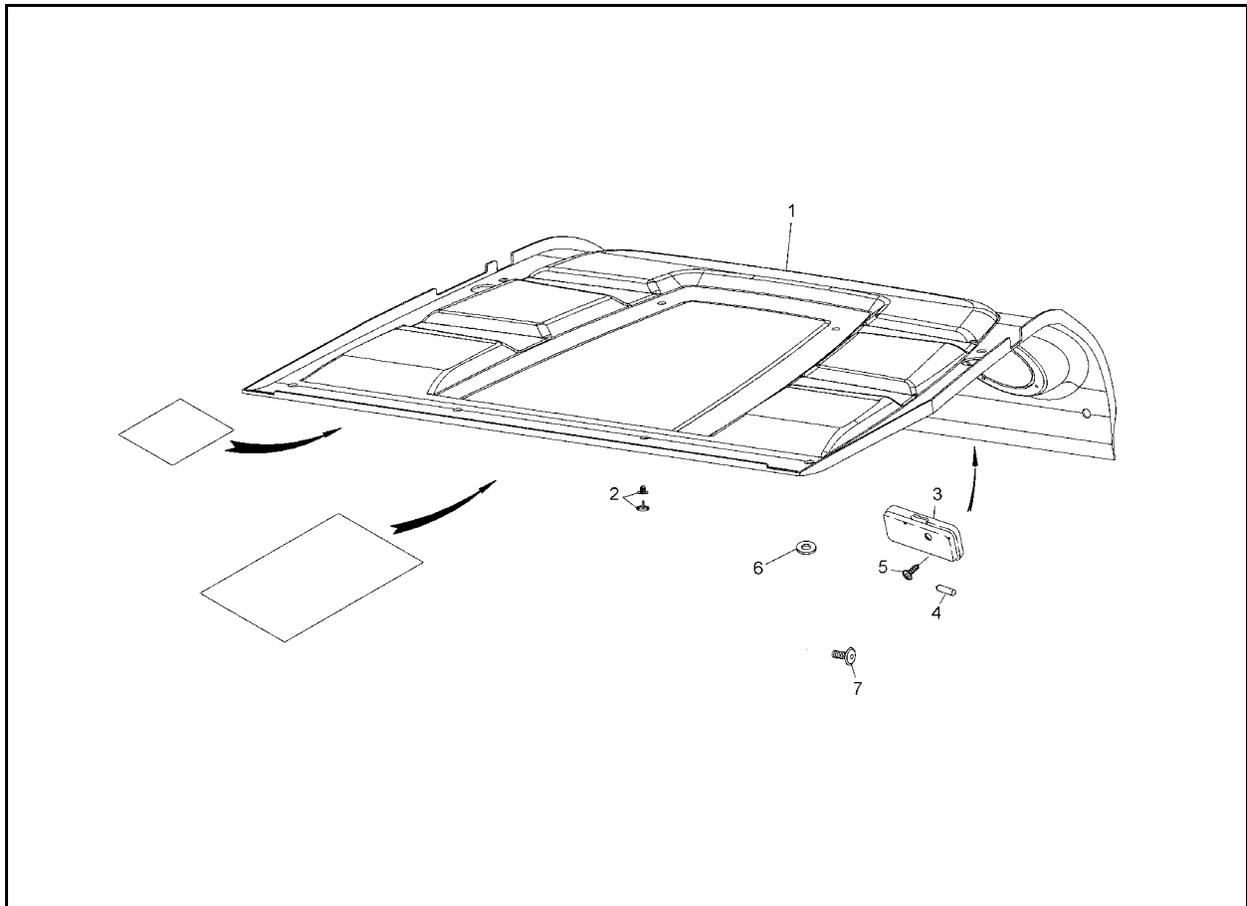
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	207419	PLUG	3	17	207439	GAS SHOCK	1
2	201761	WINDOW FRAME	1	18	201765	WIPER MOTOR	1
3	651458	LN INS M8-1.25 C8 ZY DIN6924	2	19	201766	CONNECTION KIT	1
4	177914	PVC-ROLLER	2	20	207293	WATER HOSE (4.0M)	1
5	177915	CATCH BOLT	2	21	201767	WIPER ARM	1
6	207421	PLATE	2	22	201768	WIPER BLADE	1
7	651458	LN INS M8-1.25 C8 ZY DIN6924	2	23	164673	NON RETURN VALVE	1
8	201762	LOCKING BRACKET/RT	1	26	161668	WASHER/GR A 8.4 ZO DIN134	4
9	201763	LOCKING BRACKET/LT	1	27	201769	FRONT WINDOW	1
10	656094	CS M8-1.25X30 C8.8 ZY DIN931	2	28	178075	LOCKING CAP	1
11	201764	FHCS M8X16	6	29	177821	WINDSHIELD WASHER RESERVOIR	1
12	206884	SUPPORT	1	30	178074	PUMP WASHTANK	1
13	205932	RUBBER BUMPER	2	31	651507	SHCS M6-1X20 C8.8 ZY DIN912	2
14	656048	HN M8-1.25 C8 ZY DIN934	4	32	161675	LOCKWASHER S6	2
15	164688	WASHER	4	33	7462680008	WASHER	2
16	207428	HEX SCREW	2				



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	206432	FRONT WINDOW/TOP	1	6	164684	LOCK	1
2	201770	SIDEPANE LT	1	7	206979	FRONT WINDOW/LOWER	1
3	201771	SIDEPANE RT	1	8	178059	STRAP	1
4	205726	REAR WINDOW	1	9	162797	PLUG	1
5	201772	SLIDING WINDOW COMPLETE	1				

283Z - CAB ROOF TRIM

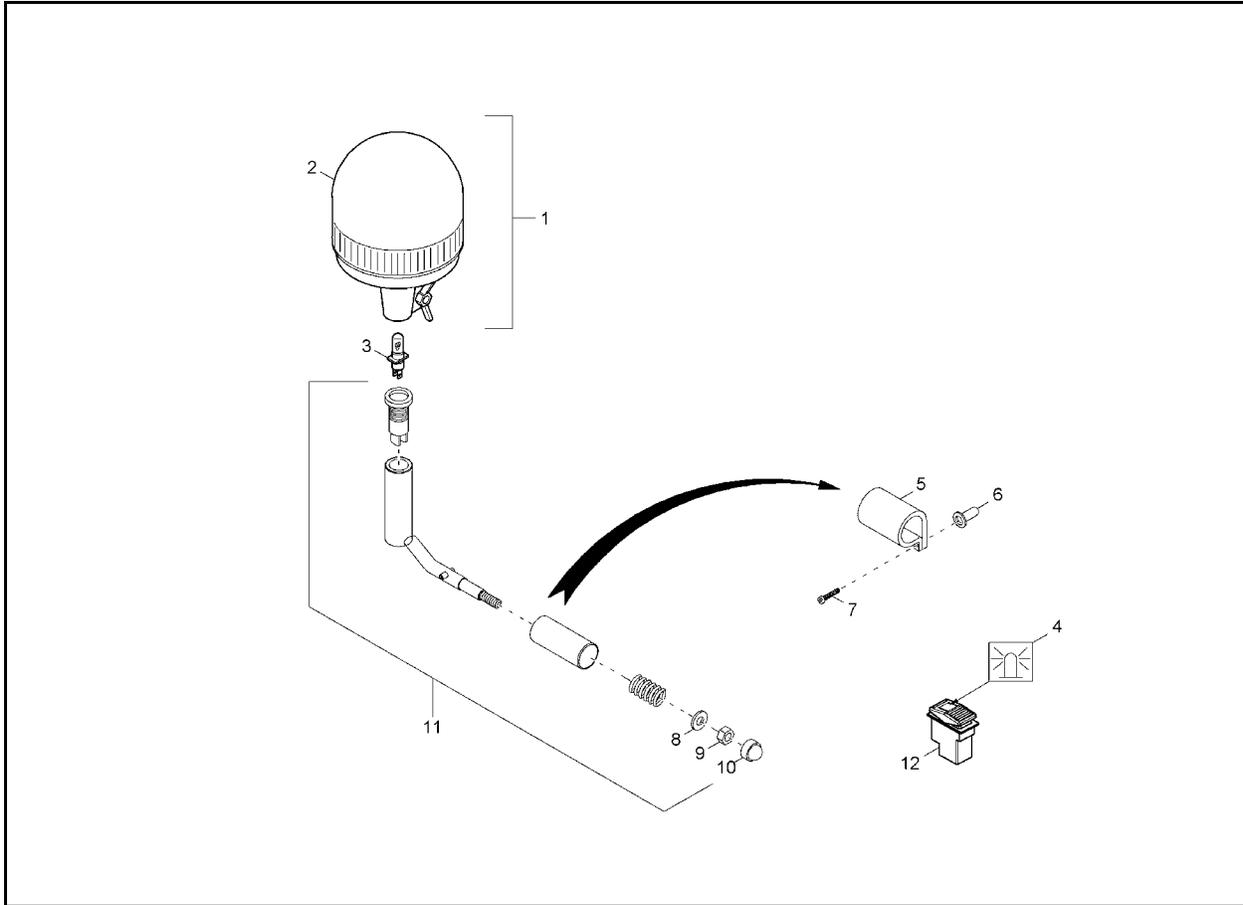
1000177363



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201773	ROOF TRIM	1	5	162035	SCREW	2
2	164689	RIVET 11MM	6	6	201774	WASHER	6
3	160488	DOME LIGHT	1	7	201719	FHCS M6X12	6
4	164182	BULB	1				

283Z - ROTATING BEACON (OPTION)

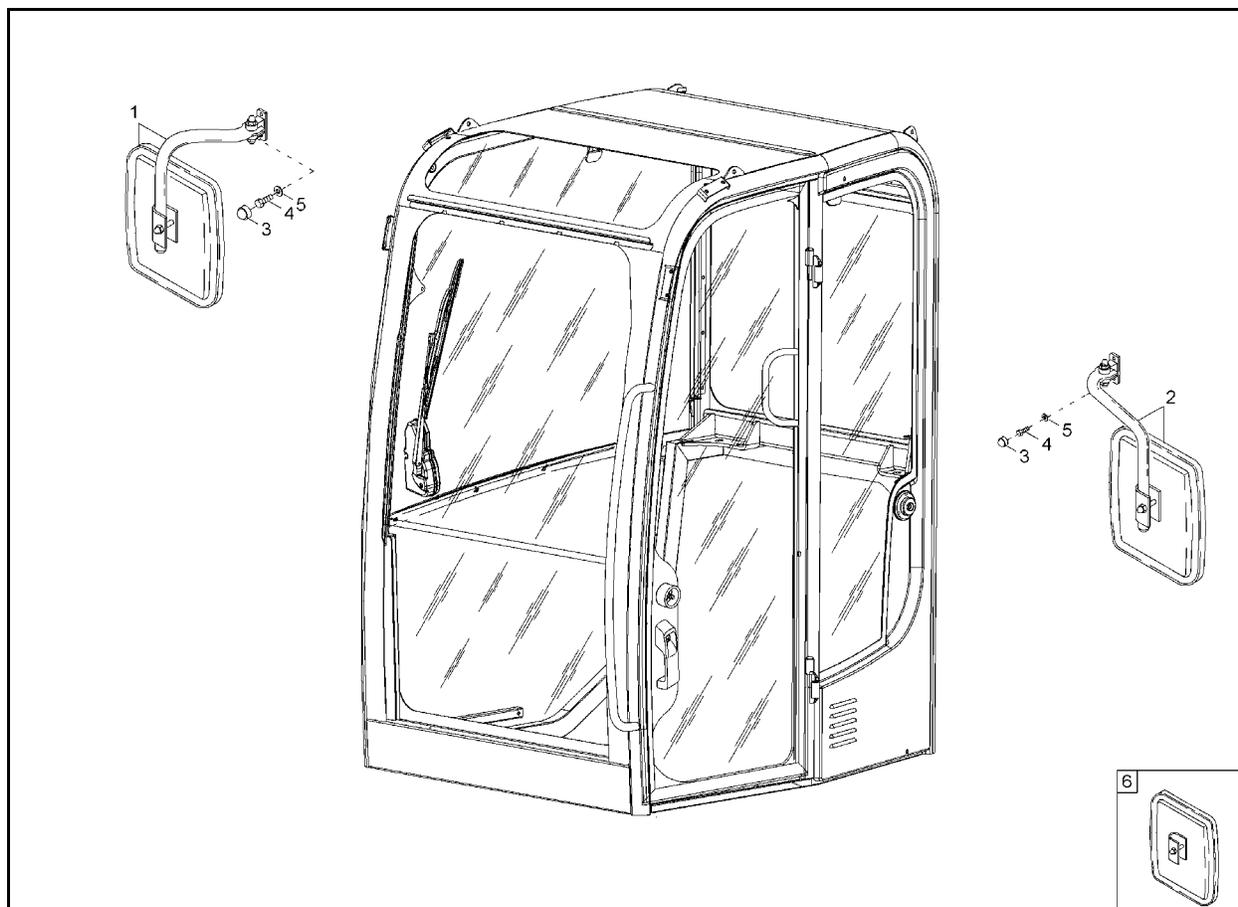
1000177406



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	165199	LAMP COMPLETE	1	7	651505	SHCS M5-0.8X20 C8.8 ZY DIN912	2
2	201775	LENS	1	8	161668	WASHER/GR A 8.4 ZO DIN134	1
3	179740	HALOGEN LAMP	1	9	651458	LN INS M8-1.25 C8 ZY DIN6924	1
4	177666	SYMBOL/TURNING LIGHT	1	10	165052	COVER	1
5	165200	BRACKET	1	11	165208	LAMP ATTACHMENT	1
6	178073	SHEETMETAL NUT M5	2	12	164883	LIGHT SWITCH	1

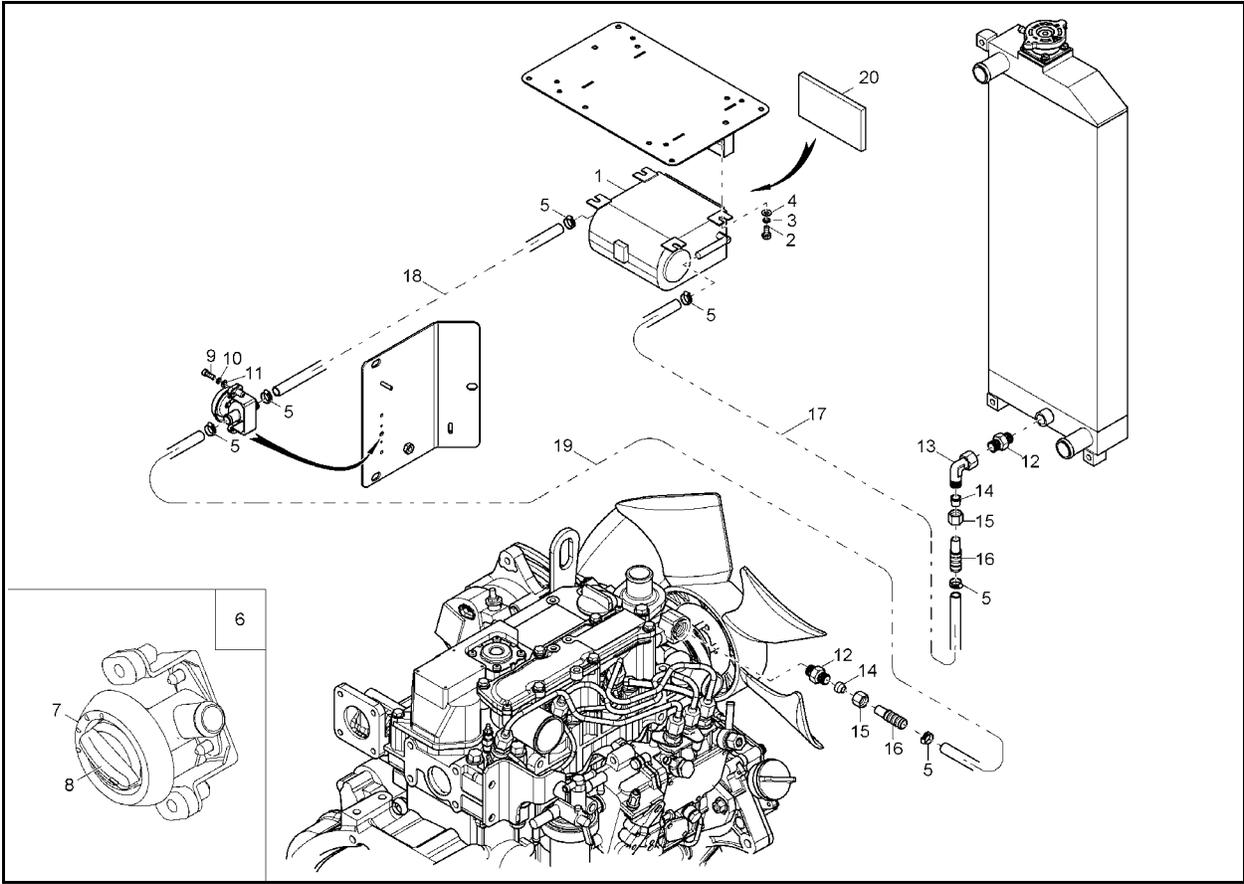
283Z - MIRRORS

1000177453



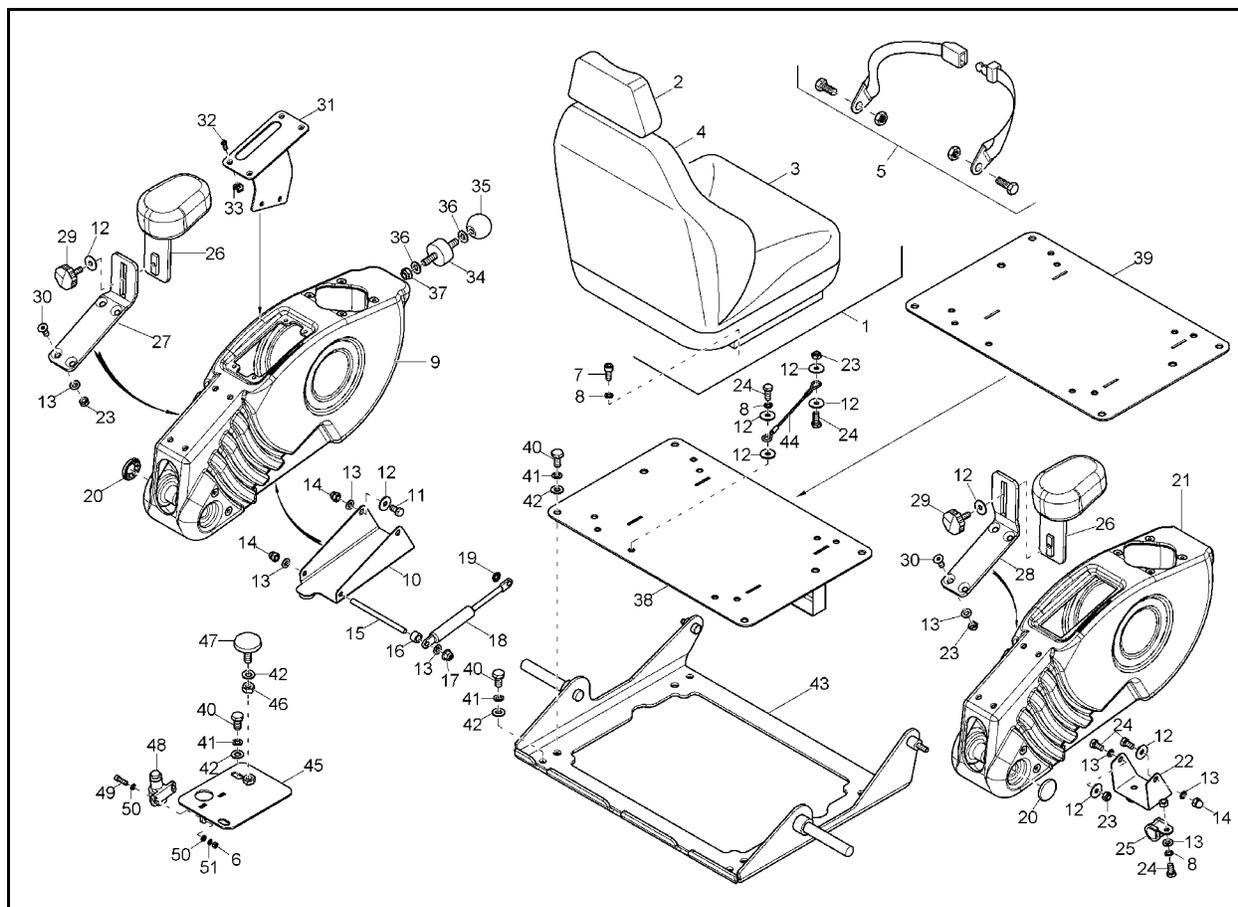
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	163213	MIRROR RT	1	4	656149	CS M6-1X16 C8.8 ZY DIN931	2
2	162607	MIRROR LT	1	5	162924	WASHER	4
3	162737	COVER	2	6	178890	MIRROR	2

283Z - HEATER
1000177277



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	161077	CAB HEATER	1	11	161659	WASHER/GR A 5.3 ZO DIN125	2
2	656006	CS M10-1.5X20 C8.8 ZY DIN931	4	12	161429	SCREW JOINT 12L	2
3	161669	LOCKWASHER S10	4	13	161445	90° FITTING	1
4	161640	WASHER/GR A 10.5	4	14	161424	WASHER	2
5	162064	HOSE CLAMP	6	15	7788010663	UNION NUT AL 12 VERZ.	2
6	205843	WATER VALVE	1	16	160860	HOSE COVER	2
7	205049	TRIM	1	17	207250	HEATER HOSE (1.5M)	1
8	205050	KNOB	1	18	207251	HEATER HOSE (2.0M)	1
9	651504	SHCS M5-0.8X16 C8.8 ZY DIN912	2	19	207251	HEATER HOSE (2.0M)	1
10	161674	LOCKWASHER S16	2	20	201822	CAB FILTER ELEMENT	1

283Z - OPERATOR'S SEAT 1000177182



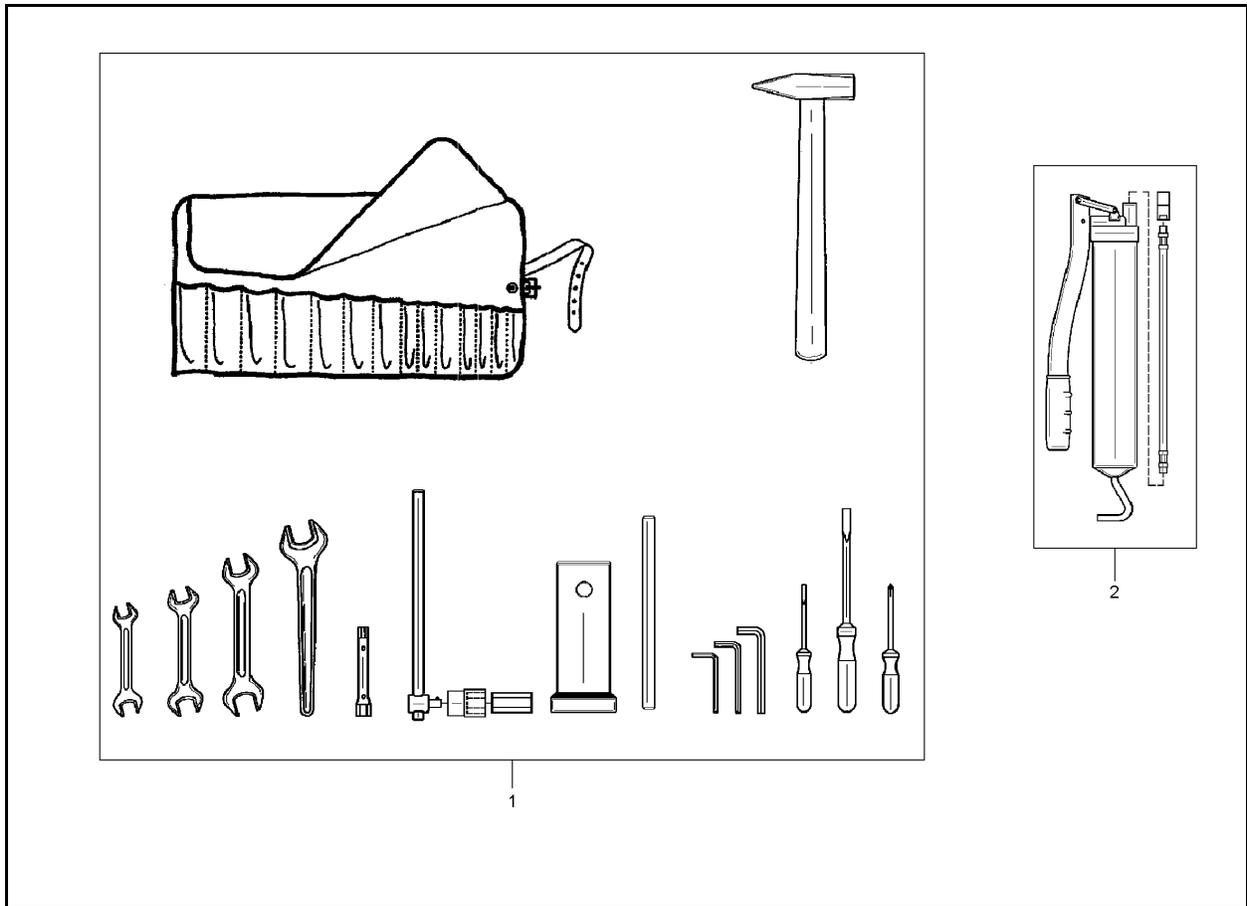
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	201776	OPERATOR'S SEAT (CLOTH)	1	14	161618	NUT/HEX DOMED CAP M8	3
	201777	OPERATOR'S SEAT (VINYL)	1	15	177972	PIN	1
2	201778	HEADREST (CLOTH)	1	16	161805	TUBE	1
	201779	HEADREST (VINYL)	1	17	165952	NUT	1
3	201780	SEAT UPHOLSTERY (CLOTH)	1	18	160611	SPRING	1
	201781	SEAT UPHOLSTERY (VINYL)	1	19	161848	LOCKWASHER	1
4	201782	BACK CUSHION (CLOTH)	1	20	161730	PLUG	2
	201783	BACK CUSHION (VINYL)	1	21	201787	CONTROL LEVER CARRIER/RT	1
5	207060	SEAT BELT, 2" RETRACTABLE	1	22	205785	BRACKET	1
	809306	3" SEAT BELT KIT	1	23	651458	LN INS M8-1.25 C8 ZY DIN6924	10
6	656100	HN M5-0.8 C8 ZY DIN934	2	24	177648	HEX SCREW	5
7	162032	SCREW	4	25	162608	HOSE CLAMP	1
8	163670	LOCKWASHER	6	26	201788	ARM REST	2
9	201785	CONTROL LEVER CARRIER/LT	1	27	201789	BRACKET/LT	1
10	201786	STRUT	1	28	201790	BRACKET/RT	1
11	656093	CS M8-1.25X16 C8.8 ZY DIN931	1	29	164983	KNOB M8X20	2
12	7462680011	WASHER 8.4 ST A2C	9	30	651466	FHSCS M8-1.25X20 C8.8 ZY DIN7991	8
13	163634	WASHER	14	31	205585	BRACKET	1

283Z - OPERATOR'S SEAT**1000177182**

Ref.				Ref.			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
32	161634	SCREW/C'SUNK HD M5X16	4	42	161640	WASHER/GR A 10.5	11
33	162048	CLIP-ON NUT	4	43	201793	CONSOLE SHIFT LEVER SUPPORT	1
34	177971	RUBBER STUD	1	44	201794	CABLE	1
35	161631	KNOB D40MM	1	45	201795	COVER	1
36	161651	WASHER 20	2	46	656102	HN M10-1.25 F8 ZY DIN934	1
37	651448	LN INS M10-1.5 C8 ZY DIN6924	1	47	1429414G	ELEVATION ADJUSTMENT	1
38	201791	COVER	1	48	165911	MICRO SWITCH	1
39	201792	COVER (CANOPY)	1	49	651505	SHCS M5-0.8X20 C8.8 ZY DIN912	2
40	656006	CS M10-1.5X20 C8.8 ZY DIN931	10	50	161659	WASHER/GR A 5.3 ZO DIN125	4
41	161669	LOCKWASHER S10	10	51	161674	LOCKWASHER S16	2

283Z - TOOLS

1000135858



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	9706079G	TOOL KIT	1	2	161992	GREASE GUN	1

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160941	75	2	161422	53	8	161445	29	18
160983	74	13	161422	55	7	161445	101	13
161077	101	1	161422	75	8	161446	32	17
161096	94	4	161422	76	21	161446	34	21
161219	30	7	161422	77	6	161448	34	25
161225	58	7	161422	90	11	161448	37	4
161227	28	2	161422	91	25	161450	32	15
161236	56	8	161424	101	14	161450	34	12
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161538	53	13	161640	84	10	161669	25	7
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161542	91	5	161640	91	3	161669	27	4
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161565	32	3	161640	101	4	161669	34	3
161570	76	25	161640	103	42	161669	36	7
161573	36	23	161642	95	5	161669	38	18
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161610	44	5	161651	21	7	161669	47	6
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161610	84	6	161651	89	4	161669	62	9
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161634	103	32	161660	24	12	161669	82	3
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161805	102	16	162035	64	6	162797	97	9
161848	102	19	162035	83	8	162812	92	1
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161966	4	12	162065	26	18	162924	68	9
161966	6	12	162066	90	28	162924	100	5
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161970	4	7	162393	10	4	162956	60	1
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163634	80	9	164662	11	20	164911	62	3
163634	83	12	164662	13	10	164911	85	5
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163634	102	13	164677	93	3	164945	32	16
163641	73	15	164678	92	26	164945	34	10
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165514	38	7	165952	102	17	177460	25	11
165520	38	5	165955	90	9	177462	17	7
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165541	35	16	165971	29	12	177652	40	10
165543	35	26	165971	32	18	177659	23	21
165550	52	5	165971	34	14	177660	78	4
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165631	55	1	175546	6	25	177670	59	6
165631	75	9	177021	14	13	177678	80	4
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177971	103	34	178845	76	1	183963	6	21
177972	102	15	178874	39	14	184305	4	24
177976	65	34	178874	40	11	184305	6	24
177977	65	35	178890	100	6	184306	4	23
178030	92	4	178930	65	25	184306	6	23
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178033	92	10	178952	29	1	189575	9	2
178034	92	7	178952	76	28	201553	9	1
178036	92	20	178954	31	5	201554	9	7
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178100	35	14	178967	34	5	201564	20	14
178107	64	7	178968	35	15	201565	21	1
178185	13	15	178970	35	22	201566	21	8
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178286	13	2	179135	33	12	201568	12	6
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201574	22	6	201612	34	27	201645	51	11
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201576	22	9	201614	36	1	201647	52	1
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201582	25	1	201620	46	3	201651	76	6
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201584	26	1	201622	47	1	201653	53	12
201585	26	5	201622	90	4	201654	53	15
201586	26	9	201623	47	2	201655	54	1
201587	26	10	201624	47	10	201656	54	2
201588	26	12	201624	90	14	201657	56	1
201589	26	16	201625	47	13	201658	56	3
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201592	27	1	201629	47	18	201662	57	14
201593	28	3	201630	48	3	201663	57	15
201593	48	2	201630	50	3	201664	57	16
201594	28	7	201630	57	11	201665	57	19
201595	28	8	201631	48	4	201666	58	1
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201598	30	1	201634	49	1	201670	61	2
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201600	30	6	201635	49	2	201672	62	7
201601	31	4	201636	49	5	201673	63	17
201602	32	1	201637	49	8	201674	65	1
201603	32	2	201638	49	9	201675	65	26
201604	32	4	201639	49	11	201676	70	1
201605	32	6	201640	50	4	201677	71	1
201606	33	1	201640	57	13	201678	72	1
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201684	76	2	201721	86	1	201759	94	12
201685	76	4	201722	86	2	201760	94	20
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201686	76	7	201724	86	4	201762	96	8
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201688	78	1	201726	86	6	201764	96	11
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201692	80	10	201730	86	10	201768	96	22
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201694	80	20	201732	86	12	201770	97	2
201695	80	23	201733	86	13	201771	97	3
201696	80	24	201734	87	1	201772	97	5
201697	82	1	201735	87	2	201773	98	1
201698	82	6	201736	21	11	201774	98	6
201698	83	18	201736	87	3	201775	99	2
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201700	82	8	201738	76	20	201777	102	1
201701	82	9	201739	88	1	201778	102	2
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201703	22	18	201741	89	1	201780	102	3
201704	83	1	201742	89	5	201781	102	3
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201706	83	7	201744	90	1	201783	102	4
201707	83	9	201745	90	3	201785	102	9
201708	83	13	201746	90	5	201786	102	10
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201710	83	19	201748	90	13	201788	102	26
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201712	84	1	201749	80	1	201790	102	28
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201800	81	1	205050	101	8	205760	63	10
201801	91	1	205117	35	25	205761	63	4
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201803	35	1	205214	65	27	205783	63	11
201804	35	2	205214	70	8	205785	102	22
201805	35	3	205363	71	4	205838	47	8
201806	35	4	205536	65	10	205843	101	6
201807	35	5	205537	65	14	205854	4	9
201808	35	6	205538	90	10	205854	6	9
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201839	64	1	205683	59	5	205998	40	8
202450	73	2	205699	76	18	205999	39	7
204518	4	26	205701	33	13	205999	40	7
204518	6	26	205702	33	9	206000	68	8
204519	4	27	205724	42	2	206001	68	8
204519	6	27	205726	97	4	206002	39	9
204699	4		205735	47	17	206002	40	9

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206003	64	5	206230	12	1	206273	16	15
206006	31	9	206231	12	2	206274	16	16
206036	36	31	206232	12	3	206275	19	1
206036	65	2	206233	12	4	206276	19	2
206053	31	7	206234	12	5	206277	19	3
206055	31	11	206235	12	8	206278	19	4
206056	31	10	206236	12	8	206279	19	5
206094	77	11	206237	12	7	206280	19	6
206095	31	8	206238	12	7	206281	19	7
206096	31	12	206239	13	1	206282	19	8
206136	94	9	206241	13	3	206283	19	10
206151	14	4	206242	13	5	206284	19	12
206156	92	2	206243	13	8	206285	19	13
206156	93	1	206244	13	9	206286	19	14
206165	77	13	206245	13	19	206289	21	13
206171	36	29	206246	13	21	206295	21	19
206173	92	16	206247	13	16	206296	21	16
206205	9	3	206248	14	1	206297	21	18
206205	18	10	206249	14	2	206299	23	2
206206	9	4	206250	14	3	206302	20	1
206209	9	9	206251	14	7	206303	20	8
206211	11	1	206252	15	1	206304	20	7
206212	11	3	206253	15	3	206305	20	6
206213	11	4	206254	15	4	206306	20	10
206214	11	5	206255	15	5	206309	20	9
206215	11	6	206256	15	6	206310	20	13
206216	11	7	206257	15	7	206311	18	1
206217	11	8	206258	15	9	206312	18	2
206218	11	9	206259	15	10	206313	18	3
206219	11	10	206260	16	1	206314	18	4
206220	11	11	206261	16	2	206315	18	6
206221	11	12	206264	16	6	206331	17	1
206222	11	13	206265	16	7	206332	17	5
206223	11	14	206266	16	8	206333	17	8
206224	11	15	206267	16	9	206334	17	9
206225	11	16	206268	16	10	206344	37	1
206226	11	17	206269	16	11	206344	73	13
206227	11	18	206270	16	12	206345	37	2
206228	11	22	206271	16	13	206346	57	1
206229	11	19	206272	16	14	206358	65	32

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206432	93	4	209909	26	22	651457	72	7
206432	97	1	270173	4	22	651458	20	5
206799	92	18	270173	6	22	651458	26	17
206821	35	20	610478	76	11	651458	52	11
206834	94	11	651393	10	5	651458	76	9
206877	80	5	651393	25	6	651458	90	7
206879	92	17	651393	26	7	651458	92	5
206884	96	12	651393	34	29	651458	94	19
206912	23	3	651393	36	11	651458	96	3
206971	77	14	651393	44	2	651458	96	7
206979	97	7	651393	63	12	651458	99	9
207036	15	8	651393	65	4	651458	102	23
207057	70	7	651393	76	13	651465	52	2
207060	102	5	651393	78	7	651465	57	2
207090	80	3	651393	80	11	651466	47	9
207094	80	25	651393	81	4	651466	102	30
207220	81	2	651393	82	2	651472	25	3
207250	101	17	651393	83	14	651477	95	4
207251	101	18	651393	84	3	651480	25	4
207251	101	19	651393	88	3	651483	73	20
207256	23	10	651393	89	2	651483	76	29
207256	65	3	651397	10	8	651504	63	5
207262	23	11	651397	25	9	651504	101	9
207262	23	18	651397	54	5	651505	99	7
207263	26	15	651397	95	10	651505	103	49
207268	23	12	651398	74	8	651507	23	15
207269	23	24	651411	73	6	651507	26	25
207270	23	25	651411	73	12	651507	39	4
207271	23	13	651411	76	23	651507	40	4
207284	80	2	651424	94	15	651507	54	4
207290	14	11	651443	90	21	651507	65	22
207293	96	20	651443	91	7	651507	77	2
207419	96	1	651448	69	6	651507	96	31
207421	96	6	651448	94	21	651516	10	10
207428	96	16	651448	95	12	651516	38	8
207439	96	17	651448	103	37	651516	52	7
208161	13	23	651456	63	9	651516	57	7
209196	63	18	651456	92	9	651516	65	16
209197	63	19	651457	22	14	656006	20	15

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656006	25	10	656100	102	6	1408450G	41	1
656006	26	13	656102	54	6	1423029G	38	12
656006	34	4	656102	63	15	1423030G	38	13
656006	38	11	656102	103	46	1423414G	92	12
656006	47	5	656105	21	2	1424420G	92	21
656006	53	3	656128	24	11	1428450G	36	15
656006	62	8	656148	73	17	1428451G	54	3
656006	82	11	656149	100	4	1429414G	103	47
656006	83	3	656172	90	29	1528404G	33	10
656006	84	2	809306	102	5	1528405G	33	14
656006	90	15	0003320872	63	20	1528406G	33	16
656006	90	24	0003325912	72	5	1528407G	33	15
656006	101	2	0003330022	65	18	1528425G	36	16
656006	103	40	0003330440	65	19	1529401G	33	18
656040	79	2	0003331306	63	2	2529457G	76	3
656047	41	5	0003634062	14	10	2529457G	82	13
656048	52	8	0003638466	32	13	8004102G	30	4
656048	57	8	0009900115	22	12	9706079G	104	1
656048	80	15	0009960751	20	18	9901152G	92	11
656048	96	14	7252677054	22	11	9901152G	94	23
656090	51	4	7462680008	22	13	9910346G	27	2
656090	91	13	7462680008	96	33	9910346G	34	7
656092	68	7	7462680011	26	19	9914140G	21	12
656093	23	8	7462680011	38	10	420-35510	65	36
656093	24	6	7462680011	65	13	420-35510	70	4
656093	36	20	7462680011	80	16	425-34683	18	9
656093	66	2	7462680011	102	12	425-34853	26	11
656093	83	10	7462680206	85	4	425-36085	17	3
656093	102	11	7530680039	80	19	425-36152	26	24

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)

GEHL®

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