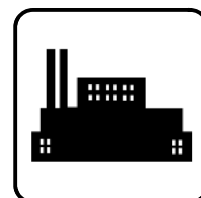


Service Parts

Engine



Engine Models:

Mitsubishi S12A2-Y1PTA

S12A2-Y2PTAW

Kohler D750/D800 33.9A

Generator Models:

750/800REOZM

750/800REOZMB

750/800REOZMD

750/800ROZMC

KOHLER[®]
POWER SYSTEMS

9001
KOHLER
POWER SYSTEMS
NATIONALLY REGISTERED

TP-6282 5/12c

Table of Contents

Description	Page
Introduction	3
Number System Significance	3
Illustrations	3
How to Find Part Numbers	3
Spec Number Index	4
Group 1: Cylinder Head	6
Group 4: Valve Mechanism and Rocker Cover	7
Group 5: Camshaft	8
Group 7.1: Crankcase Assembly	9
Group 7.2: Crankcase Bearings	10
Group 7.3: Crankcase Covers	11
Group 11: Timing Gear Case	12
Group 13: Oil Pan	14
Group 14: Engine Mounting	15
Group 17: Piston and Connecting Rod	16
Group 20: Crankshaft, Flywheel, and Damper	18
Group 23: Timing Gear	19
Group 25: Accessory Drive	20
Group 30.1: Intake System	21
Group 32.1: Exhaust System	23
Group 32.2: Exhaust Elbow	24
Group 33: Turbocharger	26
Group 35: Oil Pump	27
Group 36.1: Oil Strainer	28
Group 36.2: Oil Pipe	29
Group 36.3: Turbocharger Oil Lines	30
Group 39.1: Oil Cooler	34
Group 39.2: Oil Cooler Assembly	35
Group 40: Oil Filter	36
Group 42: Oil Filler and Dipstick	38
Group 43: Breather	39
Group 45: Water Pump	40
Group 46.1: Thermostat and Covers	42
Group 46.2: Water Pump Pipes	44
Group 46.3: Air Cooler Pipes	45
Group 48: Fan Drive	46
Group 51.1: Intercooler Thermostat	48
Group 51.2: Intercooler Piping	49
Group 53.1: Intercooler Pump	50
Group 53.2: Intercooler Pump Assembly	51
Group 61.1: Fuel Injection Pump	52
Group 61.2: Control Shaft	56
Group 61.3: Injector Nozzle Assembly	60
Group 61.4: Fuel Injection Pipes	62
Group 61.5: Fuel Leak and Feed Piping	64
Group 61.6: Injection Pump, Right Side	66
Group 61.7: Injection Pump, Left Side	68
Group 61.8: Coupling	70
Group 61.9: Feed Pump	71
Group 61.10: Coupling Assembly	72
Group 62: Fuel Filter	73
Group 62.1: Fuel Filter Piping	74
Group 62.2: Fuel Filter (Wire Element Type)	76
Group 63.1: Governor	77
Group 66: Starter	79
Group 68.1: Alternator Mounting	80
Group 68.2: Alternator	81
Group 87: Stop System	83
Group 94.1: Overhaul Gasket Kit	84
Group 94.3: Oil Seal Kit	86

Introduction

This manual lists service replacement parts for engines used on the 750/800REOZM/ROZMC and 750/800REOZMB/REOZMD generator sets.

Information in this publication represents data available at the time of print. The generator set manufacturer reserves the right to change this publication and the products represented without notice and without any obligation or liability whatsoever.

This manual includes the following main sections:

Table of Contents. Lists the sections of the manual.

Introduction (and other information sections). Contains introductory material about part numbers, illustrations, and hardware.

Group Parts Lists. Lists the part numbers of parts in the groups.

Number System Significance

This manual uses the following numbering systems:

Group Number. A unique number representing a parts group needed to assemble a generator set function. For example, Group 1 is the Cylinder Head Group.

Part Number. The part number identifies an individual assembly, subassembly, component, or accessory kit.

Illustrations

Illustrations (or exploded-view drawings) best representing the widest range of variations accompany most groups in this manual. Illustrations do not depict all details and may not show all parts. Do not use illustrations for assembly or disassembly.

How to Find Part Numbers

Use the following steps to locate a service replacement part.

1. **Identify the group** most likely to include the service part number.
2. **Page forward to locate the group** identified in step 1 or find the appropriate page in the Table of Contents.
3. **Find the part on the illustration** and note the item number of the part or **find the part description in the parts list**.

Specification Number Index

Group Title	<i>Cylinder Head</i>	<i>Valves and Rocker Cover</i>	<i>Camshaft</i>	<i>Crankcase Assembly</i>	<i>Crankcase</i>	<i>Crankcase Covers</i>	<i>Timing Gear Case</i>	<i>Oil Pan</i>	<i>Engine Mounting</i>	<i>Piston and Connecting Rod</i>	<i>Crankshaft and Flywheel</i>	<i>Timing Gear</i>	<i>Accessory Drive</i>	
Group No.	1	4	5	7.1	7.2	7.3	11	13	14	17	20	23	25	
Variation Number														

Model														
750/800REOZM/ROZMC														
S12A2-Y1PTA	1	1	1	1	1	1	1	1	1	1	1	1	1	
750/800REOZMB/REOZMD														
S12A2-Y2PTAW	2	2	1	1	2	2	2	1	2	2	2	2	2	

Group Title	<i>Hourmeter Cover</i>	<i>Intake and Air Heater</i>	<i>Exhaust System</i>	<i>Exhaust Elbow</i>	<i>Turbocharger</i>	<i>Oil Pump</i>	<i>Oil Strainer</i>	<i>Oil Pipes</i>	<i>Turbocharger Oil Lines</i>	<i>Oil Cooler</i>	<i>Oil Cooler Assembly</i>	<i>Oil Filter</i>	<i>Oil Filler and Dipstick</i>	<i>Breather</i>
Group No.	25.3	30.1	32.1	32.2	33	35	36.1	36.2	36.3	39.1	39.2	40	42	43
Variation Number														

Model														
750/800REOZM/ROZMC														
S12A2-Y1PTA	1	1	1	1	1	1	1	1	1	1	1	1	1	1
750/800REOZMB/REOZMD														
S12A2-Y2PTAW	1	2	2	2	2	1	2	1	2	2	1	2	1	1

Specification Number Index

Group Title	<i>Water Pump</i>	<i>Thermostat and Covers</i>	<i>Water Pump Pipes</i>	<i>Air Cooler Pipes</i>	<i>Fan Drive</i>	<i>Intercooler Thermostat</i>	<i>Intercooler Piping</i>	<i>Intercooler Pump</i>	<i>Intercooler Pump Assembly</i>	<i>Fuel Injection Pump</i>	<i>Control Shaft</i>	<i>Nozzle Assembly</i>	<i>Fuel Injection Pipes</i>	<i>Fuel Leakoff Pipes</i>
Group No.	45	46.1	46.2	46.3	48	51.1	51.2	53.1	53.2	61.1	61.2	61.3	61.4	61.5
	Variation Number													

Model														
750/800REOZM/ROZMC														
S12A2-Y1PTA	1	1	1	1	1	—	—	—	—	1	1	1	1	1
750/800REOZMB/REOZMD														
S12A2-Y2PTAW	2	2	2	—	2	1	1	1	1	2	2	2	2	2

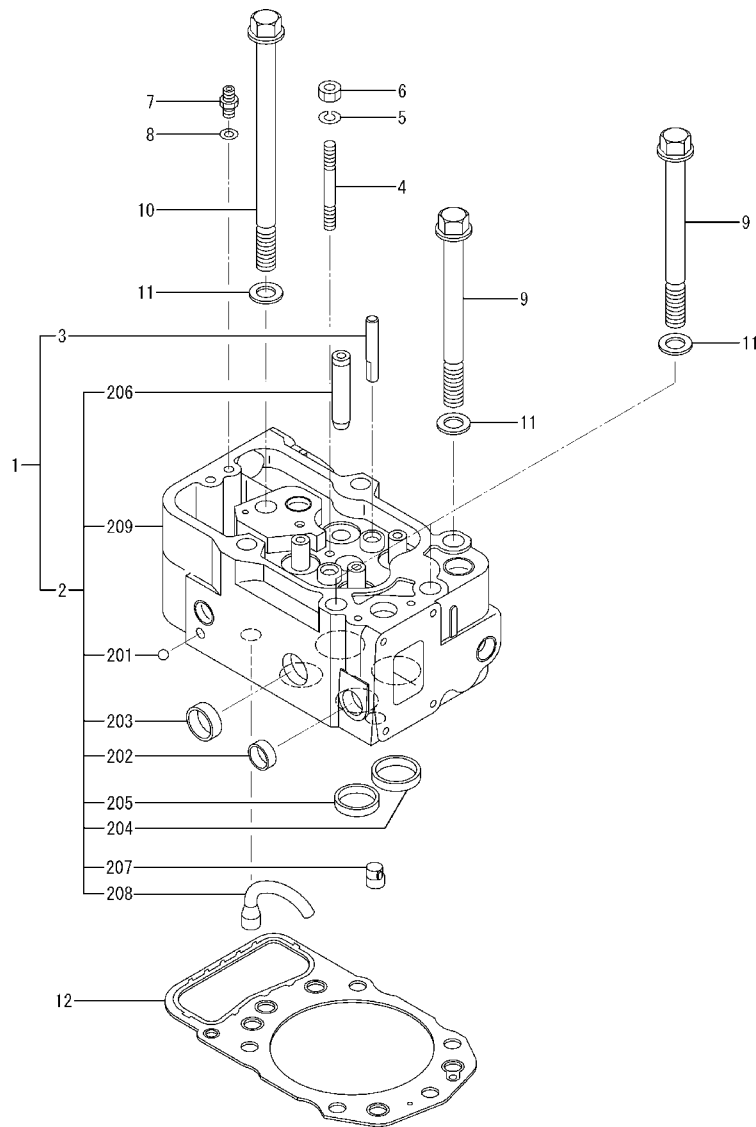
Group Title	<i>Injection Pump, Right</i>	<i>Injection Pump, Left</i>	<i>Coupling</i>	<i>Fuel Feed Pump</i>	<i>Coupling Assembly</i>	<i>Fuel Filter</i>	<i>Fuel Filter Piping</i>	<i>Fuel Filter (Wire Element)</i>	<i>Governor Control</i>	<i>Starter</i>	<i>Alternator Mounting</i>	<i>Alternator</i>	<i>Stop System</i>
Group No.	61.6	61.7	61.8	61.9	61.10	62	62.1	62.2	63.1	66	68.1	68.2	87
	Variation Number												

Model													
750/800REOZM/ROZMC													
S12A2-Y1PTA	1	1	1	1	1	-	1	1	1	1	1	1	1
750/800REOZMB/REOZMD													
S12A2-Y2PTAW	2	2	1	2	1	1	2	1	2	1	2	1	1

Group Title	<i>Overhaul Gasket Kit</i>	<i>Oil Seal Kit</i>
Group No.	94.1	94.2

750/800REOZM/ROZMC		
S12A2-Y1PTA	1	1
750/800REOZMB/D		
S12A2-Y2PTAW	TBD	TBD

Group 1: Cylinder Head



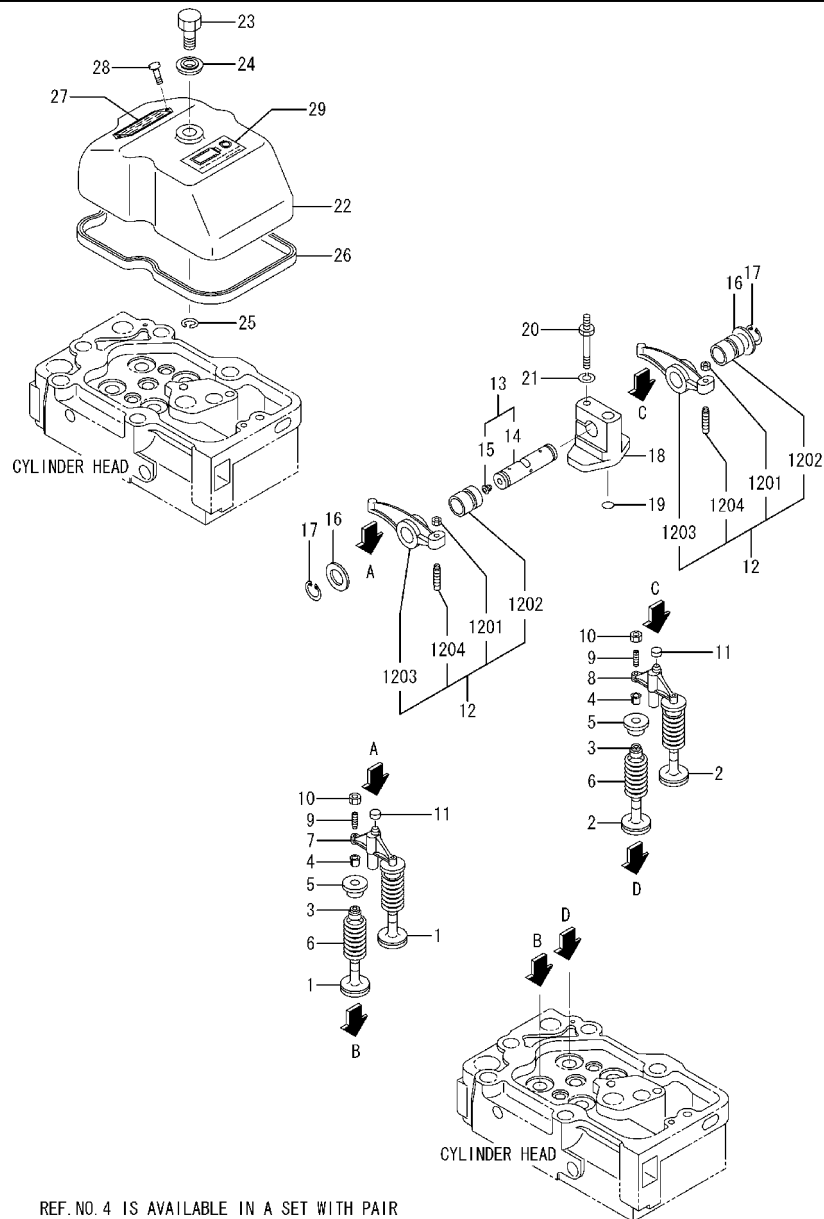
6282-1

Item	Part No.	Description	Qty.		Item	Part No.	Description	Qty.	
			1	2				1	2
1	GM36261	Head assembly, cylinder	12	12	206	GM14569	Guide, valve	48	48
1	GM57296	Head assembly, cylinder	12	12	207	GM36268	Director, water	12	12
2	X	Head subassembly, cylinder	12	12	208	GM36269	Director, water	12	12
201	X	Ball, steel	12	12	209	X	Head, cylinder	12	12
202	GM15518	Cap, sealing	72	72	3	GM14625	Guide	24	24
203	GM14491	Cap, sealing	24	24	4	GM36270	Stud	12	12
204	GM36262	Seat, inlet, standard	24	24	5	GM15180	Washer, spring	12	12
204	GM57297	Seat, inlet, standard	AR	24	6	GM15167	Nut	12	12
204	GM36263	Seat, inlet, 0.3 oversized	AR	AR	7	GM36271	Connector	12	12
204	GM57298	Seat, inlet, 0.3 oversized	AR	AR	8	GM14529	Washer, sealing	12	12
204	GM36264	Seat, inlet, 0.6 oversized	AR	AR	9	GM36272	Bolt, cylinder head	60	60
204	GM57299	Seat, inlet, 0.6 oversized	AR	AR	10	GM36273	Bolt, cylinder head	12	12
205	GM36265	Seat, exhaust, standard	24	24	11	GM36274	Washer	72	72
205	GM36266	Seat, exhaust, 0.3 oversized	AR	AR	12	GM36275	Gasket, cylinder head	12	12
205	GM36267	Seat, exhaust, 0.6 oversized	AR	AR	12	GM57300	Gasket, cylinder head	12	12

X Part is not sold separately

AR As Required

Group 4: Valve Mechanism and Rocker Cover



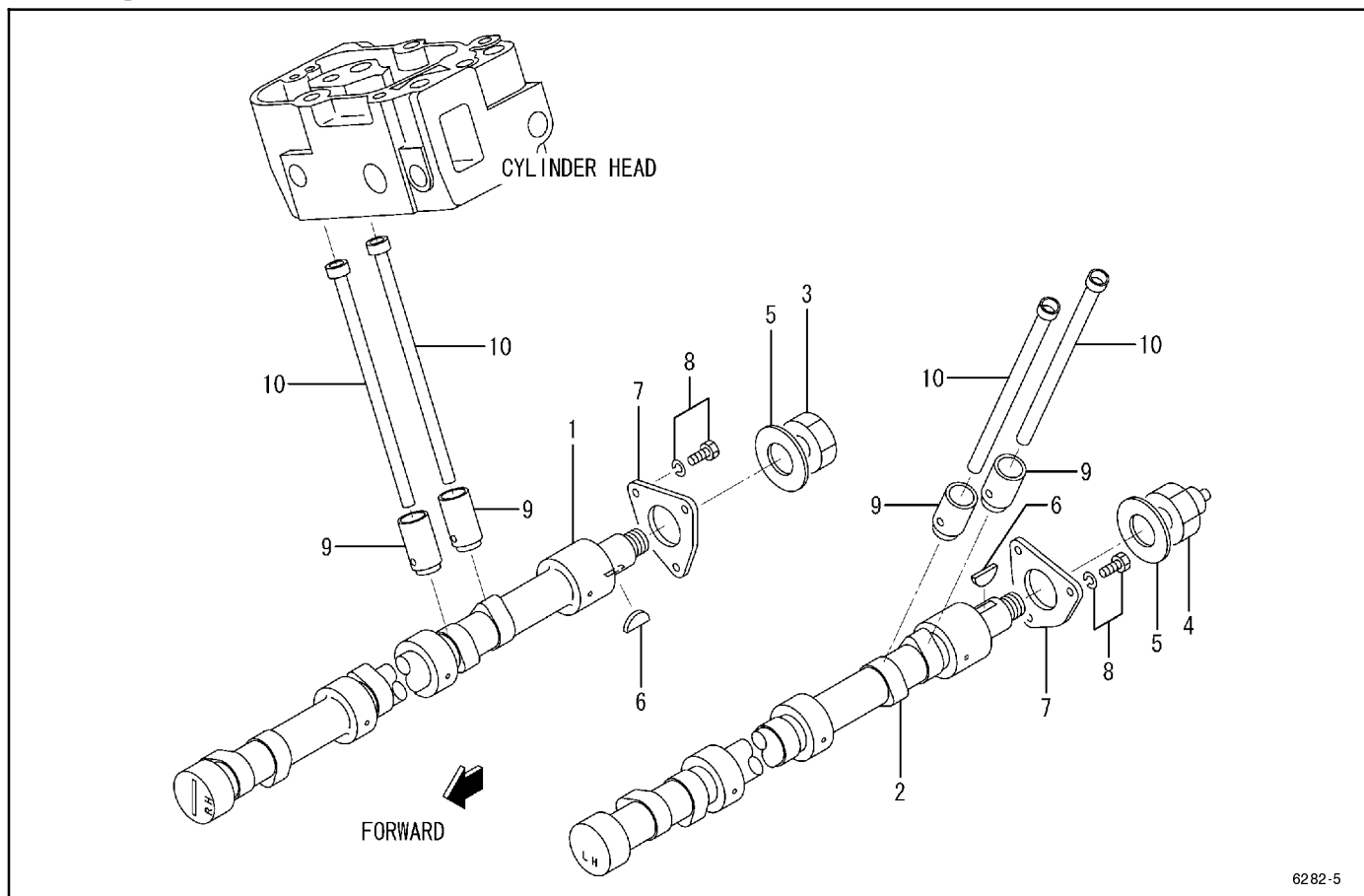
REF. NO. 4 IS AVAILABLE IN A SET WITH PAIR

6282-4.1

Item	Part No.	Description	Qty.	
			Var.	
1	GM36276	Valve, inlet	24	24
2	GM36277	Valve, exhaust	24	24
3	GM14626	Seal	48	48
4	GM14570	Cotter	96	96
5	GM14918	Rotator	48	48
6	GM36278	Spring, valve	48	48
7	GM36279	Bridge, inlet	12	12
8	GM36280	Bridge, exhaust	12	12
9	GM14893	Screw	24	24
10	GM15166	Nut	24	24
11	GM14557	Cap	24	24
12	GM36281	Rocker assembly	24	
12	GM57301	Rocker assembly		24
1201	GM15167	Nut	24	24
1202	GM36282	Bushing, rocker	24	24
1203	X	Rocker	24	24
1204	GM14892	Screw	24	24
13	GM36283	Shaft, assembly, rocker	12	12
14	X	Shaft, rocker	12	12
15	GM15242	Plug, tapered	12	12
16	GM36284	Washer	24	24
17	GM36285	Ring, snap	24	24
18	GM36286	Bracket, rocker	12	12
19	GM21611	O-ring	12	12
20	GM36287	Bolt	12	12
21	GM15180	Washer, spring	12	12
22	GM36288	Cover, rocker	12	12
23	GM36289	Screw	12	12
24	GM35822	Packing, rocker cover screw	12	12
25	GM36290	Ring, snap	12	12
26	GM35821	Packing, rocker cover	12	12
27	X	Plate, caution	1	
28	GM21588	Rivet, screw	2	
29	GM34066	Plate, caution	1	

X Part is not sold separately

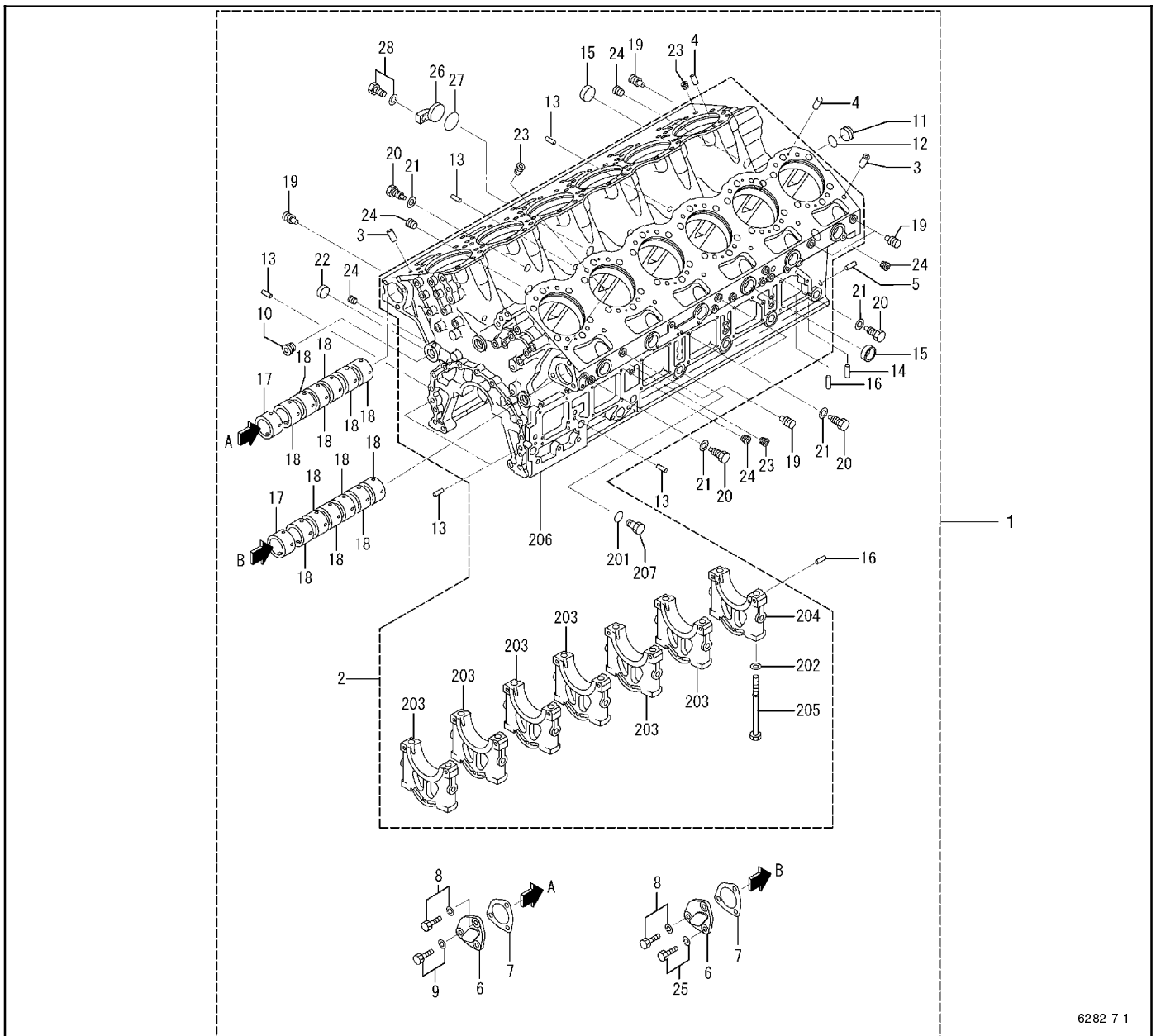
Group 5: Camshaft



6282-5

Item	Part No.	Description	Qty. Var.
1	GM36291	Camshaft, right side	1
2	GM36292	Camshaft, left side	1
3	GM36293	Nut	1
4	GM36294	Connector	1
5	GM31402	Washer	2
6	GM15192	Key, woodruff	2
7	GM36295	Plate	2
8	GM36453	Bolt, w/washer	6
9	GM36296	Tappet	24
10	GM36297	Rod, push	24

Group 7.1: Crankcase Assembly

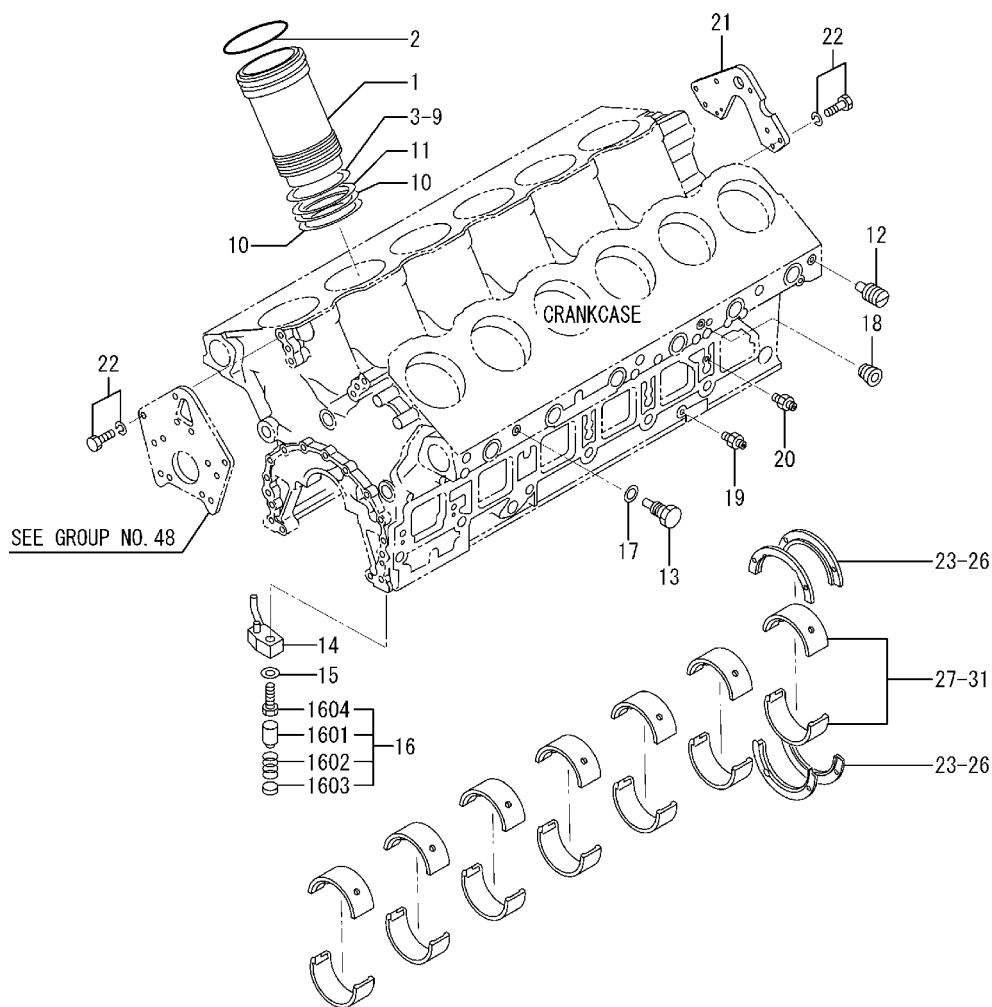


6282-7.1

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36298	Crankcase assembly	1	12	GM14511	O-ring	3
2	X	Crankcase subassembly	1	13	GM15188	Pin, dowel	10
201	GM14507	Seal	14	14	GM36305	Pin, dowel	2
202	GM14571	Washer	14	15	GM21603	Cap, sealing	12
203	X	Cap, main bearing	6	16	GM14619	Pin, dowel	4
204	X	Cap, main bearing	1	17	GM36306	Bushing, camshaft	2
205	GM36299	Bolt, bearing cap	14	18	GM36307	Bushing, camshaft	12
206	X	Crankcase	1	19	GM36319	Screw	6
207	GM36300	Bolt, side	14	20	GM36320	Screw	10
3	GM14563	Pin, dowel	12	21	GM14528	Washer, sealing	10
4	GM36301	Pin, dowel	12	22	GM14491	Cap, sealing	1
5	GM14562	Pin, dowel	2	23	GM15520	Plug, tapered	5
6	GM36302	Cover	2	24	GM14497	Plug, tapered	11
7	GM36303	Packing	2	25	GM36395	Bolt, w/washer	1
8	GM15983	Bolt w/washer	4	26	GM36308	Cover	1
9	GM15982	Bolt w/washer	1	27	GM36309	O-ring	1
10	GM36304	Plug, tapered	3	28	GM15159	Bolt w/washer	1
11	GM14610	Plate	3				

X Part is not sold separately

Group 7.2: Crankcase Bearings



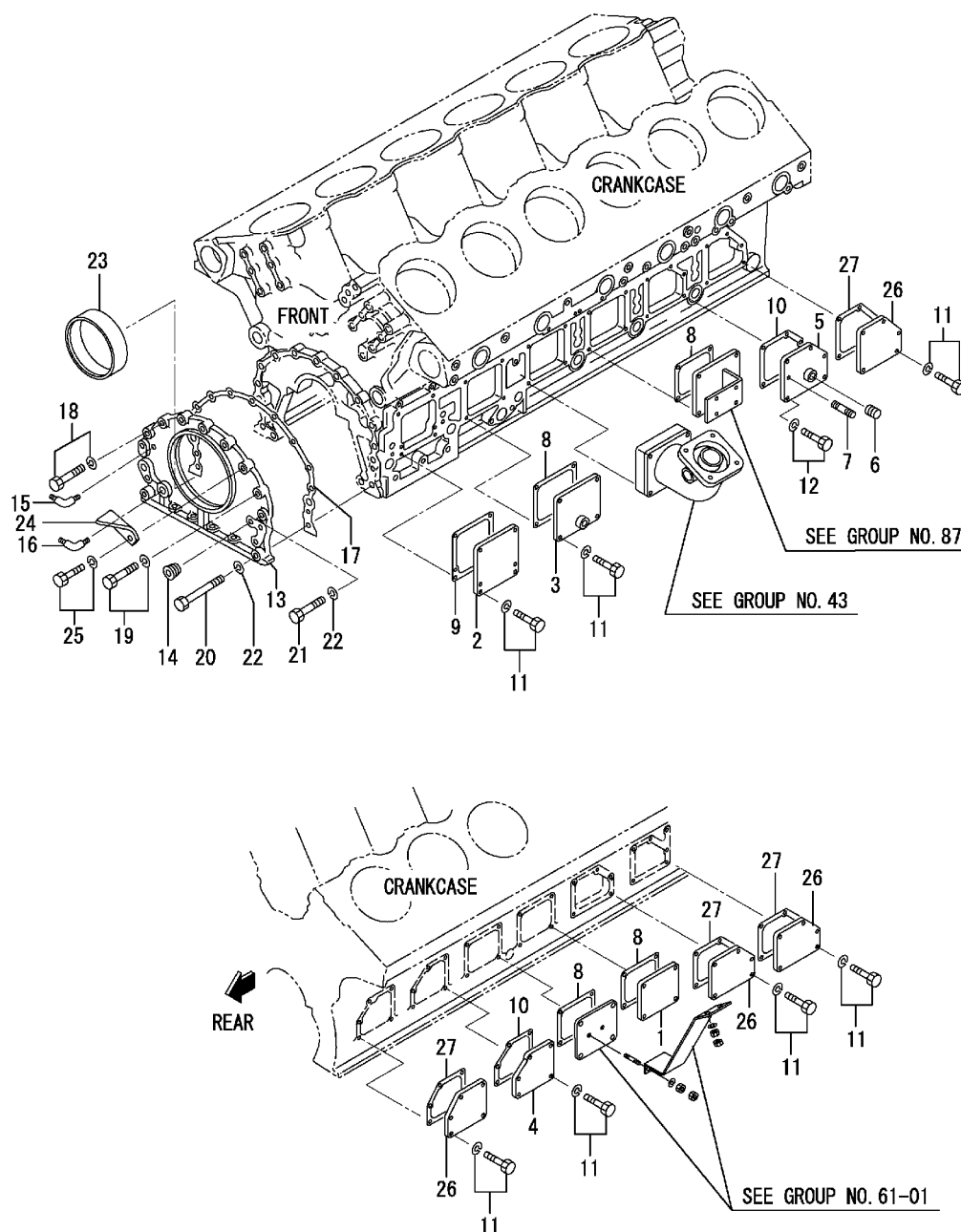
6282-7.2

Item	Part No.	Description	Qty.	
			1	2
1	GM36310	Liner, cylinder	12	12
2	GM36311	O-ring, liner	12	12
3	GM36312	Ring, liner, 0.05 mm	AR	AR
4	GM36313	Ring, liner, 0.10 mm	AR	AR
5	GM36314	Ring, liner, 0.15 mm	AR	AR
6	GM36315	Ring, liner, 0.20 mm	AR	AR
7	GM36316	Ring, liner, 0.25 mm	AR	AR
8	GM36317	Ring, liner, 0.30 mm	AR	AR
9	GM36318	Ring, liner, 0.40 mm	AR	AR
10	GM14572	O-ring	24	24
11	GM14573	O-ring	12	12
12	GM36319	Screw	6	
13	GM36320	Screw	8	
14	GM36321	Nozzle, oil jet	12	12
15	GM36322	Spring, conical disk	12	
15	GM14887	Washer		12
16	GM34081	Valve, check	12	12
1601	GM34082	Piston, check valve	12	
1601	X	Piston, check valve		12
1602	GM34083	Spring, coil	12	

X Part is not sold separately
AR As Required

Item	Part No.	Description	Qty.	
			1	2
1602	X	Spring, coil		12
1603	GM34084	Plug	12	
1603	X	Plug		12
1604	X	Body, check valve	12	12
17	GM14528	Washer, sealing	8	
18	GM14497	Plug, tapered	11	11
19	GM36323	Connector	2	2
20	GM31459	Connector	1	1
21	GM36324	Hanger	1	1
22	GM36453	Bolt, w/washer	8	8
23	GM36325	Plate, thrust, standard	4	4
24	GM36326	Plate, thrust, 0.25 oversized	4	4
25	GM36327	Plate, thrust, 0.50 oversized	4	4
26	GM36328	Plate, thrust, 0.75 oversized	4	4
27	GM36329	Bearing set, main, standard	7	7
28	GM36330	Bearing set, main, 0.25 undersized	7	7
29	GM36331	Bearing set, main, 0.50 undersized	7	7
30	GM36332	Bearing set, main, 0.75 undersized	7	7
31	GM36333	Bearing set, main, 1.00 undersized	7	7

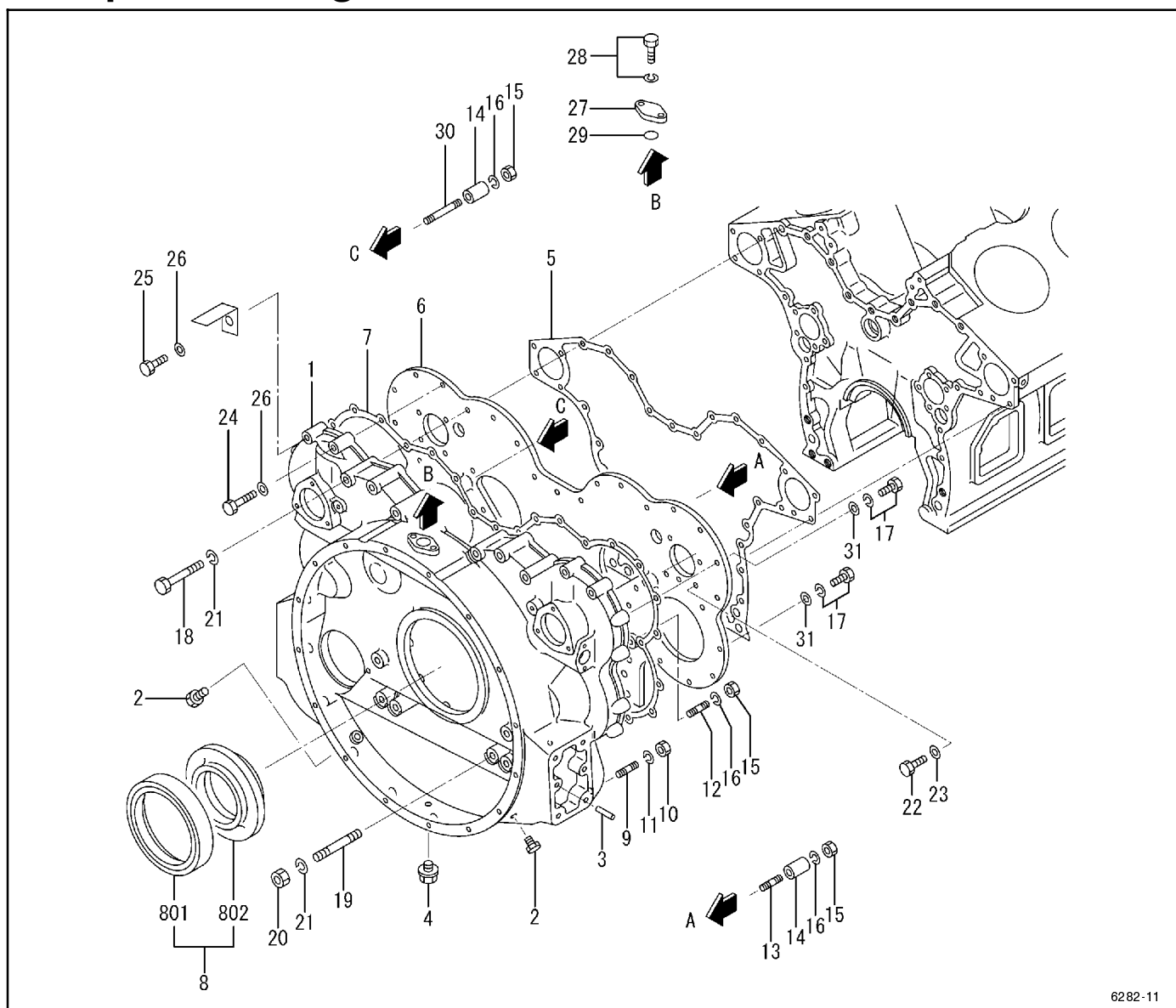
Group 7.3: Crankcase Covers



6282-7.3

Item	Part No.	Description	Qty.		Item	Part No.	Description	Qty.	
			1	2				1	2
1	GM14564	Cover, side	1	1	15	GM14496	Plug	1	1
2	GM36334	Cover, side	1	1	16	GM36343	Elbow	1	1
3	GM36335	Cover, side	1	1	17	GM36344	Packing	1	1
4	GM36336	Cover, side	1	1	18	GM36453	Bolt, w/washer	7	7
5	GM36337	Cover, side	1	1	19	GM36395	Bolt, w/washer	2	2
6	GM14496	Plug, tapered	1	1	20	GM36345	Bolt	1	1
7	GM36338	Stud	4	4	21	GM36346	Bolt	1	1
8	GM34094	Packing	4	4	22	GM15180	Washer, spring	2	2
8	GM57302	Packing		4	23	GM36995	Seal, oil	1	1
9	GM36339	Gasket	1	1	24	GM36347	Pointer	1	1
10	GM36340	Gasket	2	2	25	GM36453	Bolt, w/washer	2	2
11	GM15160	Bolt w/washer	38	38	26	GM36348	Cover, side	4	3
12	GM15159	Bolt w/washer	2	2	26	GM57303	Cover, side		1
13	GM36341	Cover, front	1	1	27	GM36349	Gasket, side oil	4	4
14	GM14497	Plug, tapered	1	1					
15	GM36342	Elbow	1						

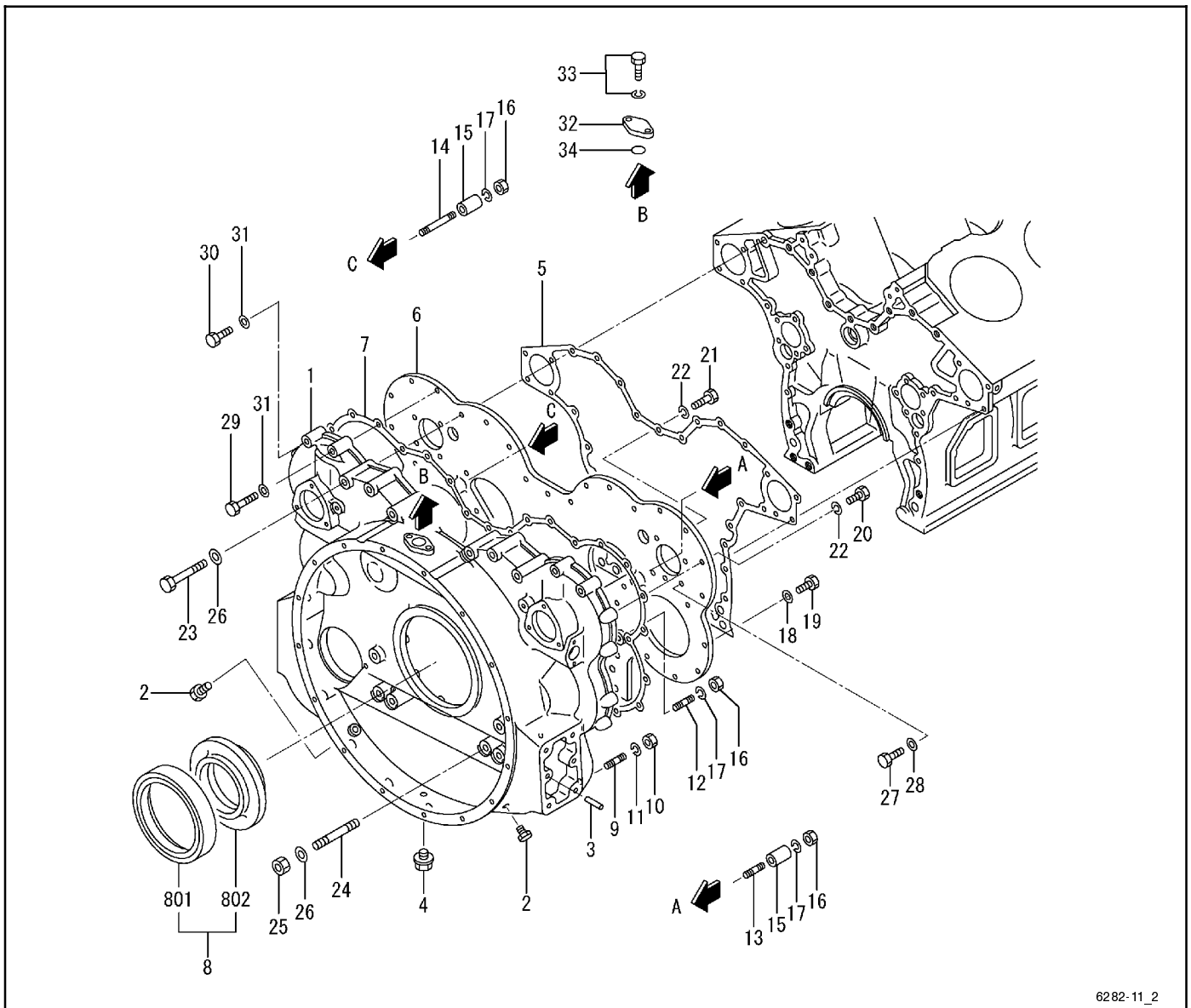
Group 11: Timing Gear Case



6282-11

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36350	Case, timing gear	1	16	GM15180	Washer, spring	4
2	GM14901	Plug	2	17	GM36359	Bolt, w/washer	10
3	GM15188	Pin, dowel	4	18	GM15124	Bolt	13
4	GM14459	Plug	1	19	GM36360	Stud	2
5	GM36351	Packing	1	20	GM36361	Nut, jam	2
6	GM36352	Plate, rear	1	21	GM15182	Washer, spring	15
7	GM36353	Packing	1	22	GM36362	Bolt	22
8	GM36354	Seal assembly, oil	1	23	GM36363	Washer	22
801	GM36993	Seal, oil	1	24	GM15114	Bolt	2
802	GM36355	Slinger	1	25	GM15959	Bolt	2
9	GM34106	Stud	6	26	GM36363	Washer	4
10	GM15167	Nut	6	27	GM36364	Cover	1
11	GM15180	Washer, spring	6	28	GM15151	Bolt w/washer	2
12	GM36356	Stud	2	29	GM14514	O-ring	1
13	GM36357	Stud	1	30	GM36365	Stud	1
14	GM36358	Spacer	2	31	GM36363	Washer	10
15	GM15167	Nut	4				

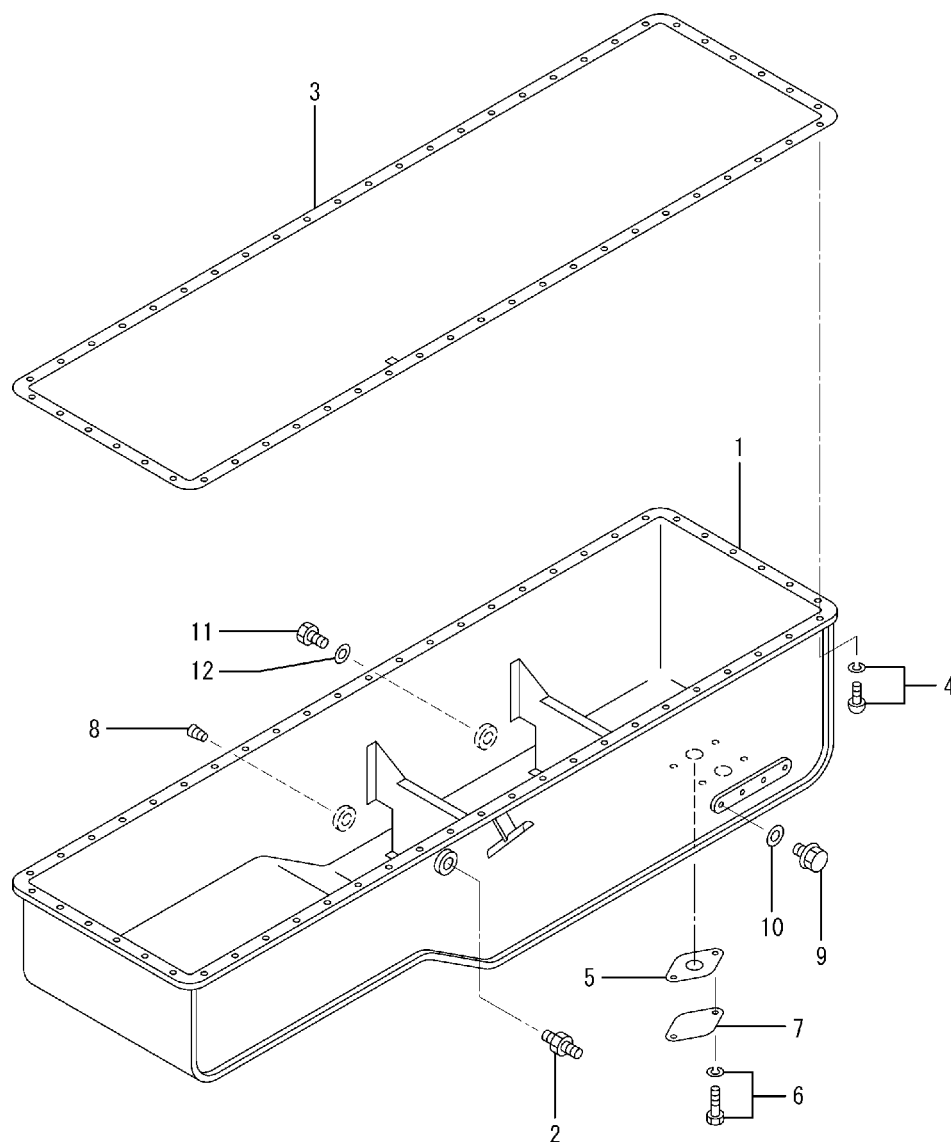
Group 11: Timing Gear Case



6282-11_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36350	Case, timing gear	1	17	GM15180	Washer, spring	4
2	GM14901	Plug	3	18	GM36363	Washer	10
3	GM15188	Pin, dowel	4	19	GM57307	Bolt	8
4	GM14459	Plug	1	20	GM36654	Bolt, reamer	1
5	GM36351	Packing	1	21	GM36944	Bolt	1
6	GM36352	Plate, rear	1	22	GM15180	Washer, spring	2
7	GM36353	Packing	1	23	GM15124	Bolt	13
8	GM36354	Seal assembly, oil	1	24	GM36360	Stud	2
801	GM36993	Seal, oil	1	25	GM36361	Nut, jam	2
802	GM36355	Slinger	1	26	GM14559	Washer	15
9	GM34106	Stud	6	27	GM36362	Bolt	22
10	GM15167	Nut	6	28	GM36363	Washer	22
11	GM15180	Washer, spring	6	29	GM15114	Bolt	2
12	GM36356	Stud	2	30	GM15959	Bolt	2
13	GM36357	Stud	1	31	GM36363	Washer	4
14	GM57305	Stud	1	32	GM36364	Cover	1
15	GM57306	Spacer	2	33	GM15151	Bolt	2
16	GM15167	Nut	4	34	GM14514	O-ring	1

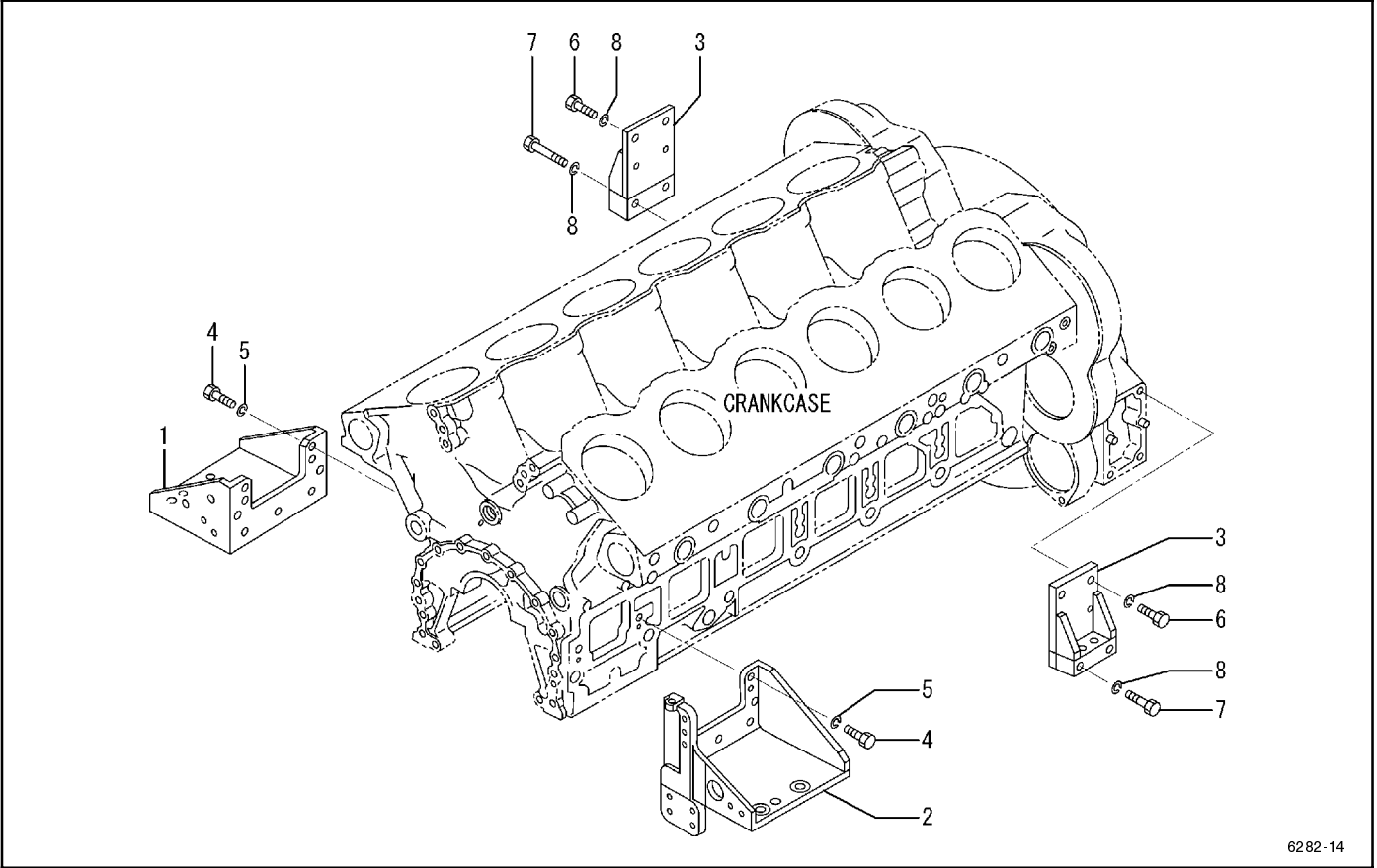
Group 13: Oil Pan



6282-13

Item	Part No.	Description	Qty. Var.
1	GM36366	Pan, oil	1
2	GM31459	Connector	1
3	GM34108	Packing	1
4	GM15160	Bolt w/washer	54
5	GM34109	Packing	2
6	GM15141	Bolt w/washer	4
7	GM14895	Cover	2
8	GM15245	Plug	1
9	GM15239	Plug, drain	4
10	GM14532	Washer, sealing	4
11	GM15241	Plug, drain	1
12	GM14534	Washer, sealing	1

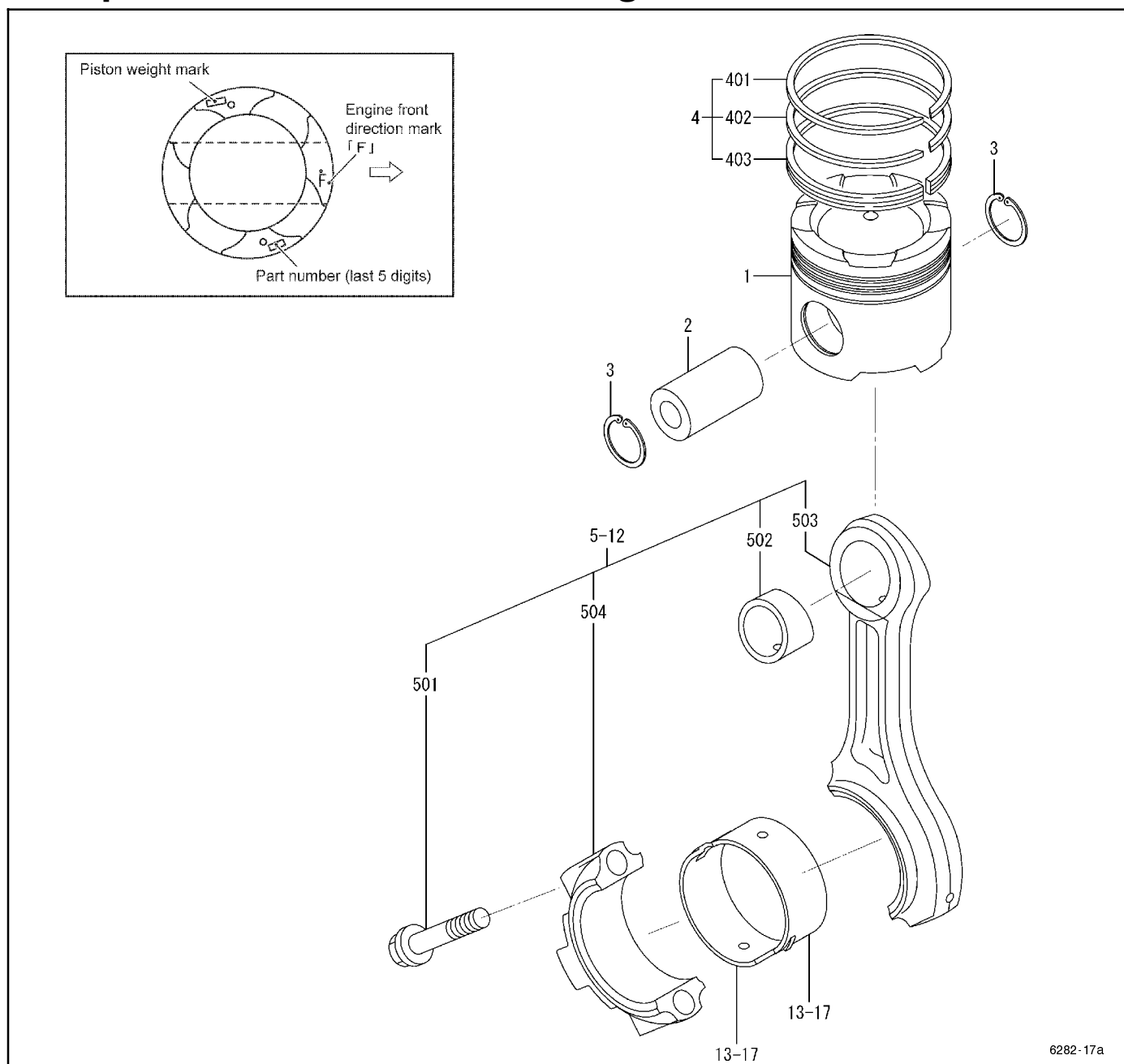
Group 14: Engine Mounting



6282-14

Item	Part No.	Description	Qty.	
			Var.	
			1	2
1	GM36367	Bracket, mounting	1	
1	GM57308	Bracket, mounting		1
2	GM36368	Bracket, mounting	1	1
3	GM34112	Bracket, mounting	2	2
4	GM36369	Bolt	10	10
5	GM15184	Washer, spring	10	10
6	GM15132	Bolt	4	4
7	GM15133	Bolt	4	4
8	GM15183	Washer, lock	8	8

Group 17: Piston and Connecting Rod



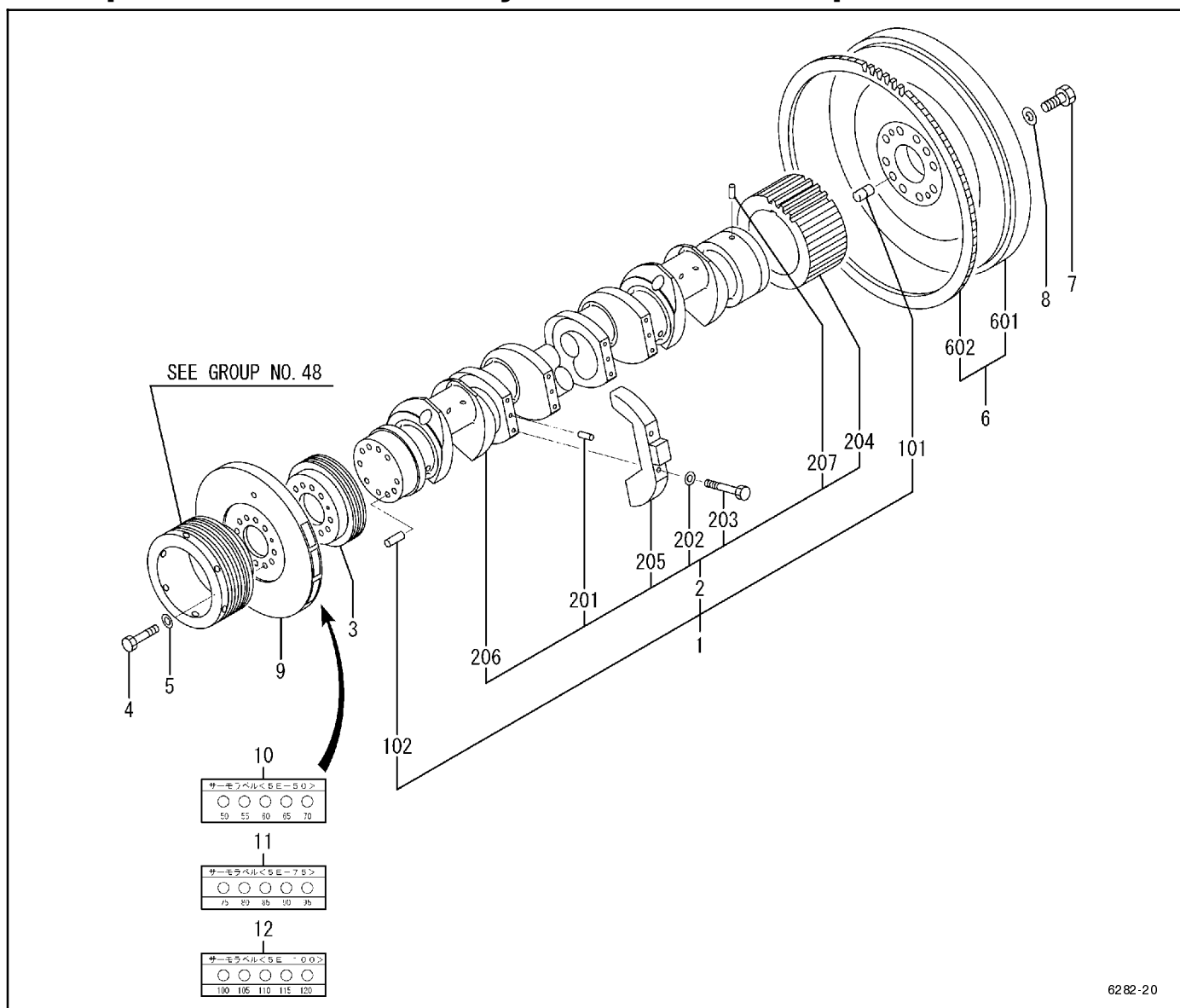
Group 17: Piston and Connecting Rod

Item	Part No.	Description	Qty.	
			Var.	
			1	2
1	GM36370	Piston*	12	
1	GM57309	Piston*		12
2	GM36371	Pin, piston	12	
2	GM34114	Pin, piston		12
3	GM15221	Ring, snap	24	24
4	GM36372	Ring set, piston	12	
4	GM14647	Ring set, piston		12
401	X	Ring, compression	12	12
402	X	Ring, compression	12	12
403	X	Ring, oil	12	12
5	GM36373	Connecting rod assembly, standard	12	
5	X	Connecting rod assembly, standard		12
501	GM14575	Bolt	24	24
502	GM36374	Bushing, connecting rod	12	12
503	X	Connecting rod	12	12
504	X	Cap, connecting rod	12	12
6	GM57310	Connecting rod assembly, 7.1 kg		12
6	GM36375	Connecting rod assembly, 7.2 kg	12	
6	GM57311	Connecting rod assembly, 7.2 kg		12
7	GM36376	Connecting rod assembly, 7.3 kg	12	
7	GM57312	Connecting rod assembly, 7.3 kg		12
8	GM36377	Connecting rod assembly, 7.4 kg	12	
8	GM57313	Connecting rod assembly, 7.4 kg		12
9	GM36378	Connecting rod assembly, 7.5 kg	12	
9	GM57314	Connecting rod assembly, 7.5 kg		12
10	GM36379	Connecting rod assembly, 7.6 kg	12	
10	GM57315	Connecting rod assembly, 7.6 kg		12
11	GM36380	Connecting rod assembly, 7.7 kg	12	
11	GM57316	Connecting rod assembly, 7.7 kg		12
12	GM36381	Connecting rod assembly, 7.8 kg	12	
12	GM57317	Connecting rod assembly, 7.8 kg		12
13	GM34117	Bearing, standard	24	24
14	GM34118	Bearing, 0.25 undersized	24	24
15	GM34119	Bearing, 0.50 undersized	24	24
16	GM34120	Bearing, 0.25 undersized	24	24
17	GM34121	Bearing, 1.00 undersized	24	24

X Part is not sold separately

* Include weight when ordering. Weight is stamped on top of piston.

Group 20: Crankshaft, Flywheel, and Damper

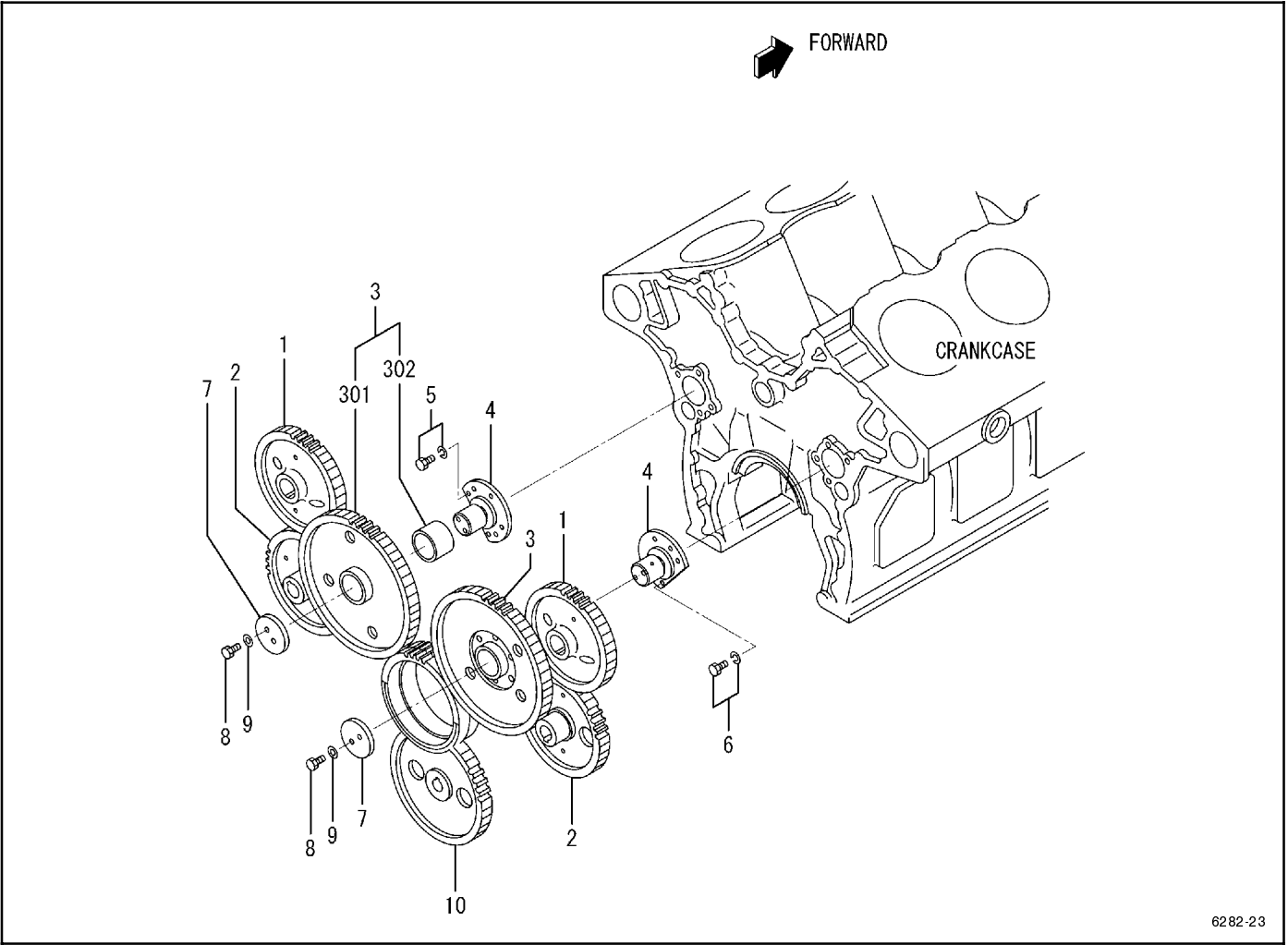


6282-20

Item	Part No.	Description	Qty.	
			1	2
1	GM36382	Crankshaft assembly	1	1
101	GM14582	Dowel pin	2	2
102	GM36383	Pin, dowel	2	2
2	X	Crankshaft subassembly	1	1
201	GM15189	Pin, dowel	12	12
202	GM14559	Washer	24	24
203	GM14566	Bolt	24	24
204	GM36384	Gear, crankshaft	1	1
205	X	Weight, balance	12	12
206	X	Crankshaft	1	1
207	GM36385	Pin, dowel	1	1
3	GM36386	Pulley, crankshaft	1	1
4	GM15965	Bolt	8	8
4	GM57318	Bolt	8	8
5	GM36389	Washer	8	8
6	GM36387	Flywheel assembly	1	1
601	X	Flywheel	1	1
602	GM34126	Gear, ring	1	1
7	GM36388	Bolt	8	8
8	GM36389	Washer	8	8
9	GM36390	Damper	1	1
10	GM34135	Label set, thermo, 50°C-70°C	1	1
11	GM14584	Label set, thermo, 75°C-95°C	1	1
12	GM14585	Label set, thermo, 100°C-120°C	1	1

X Part is not sold separately

Group 23: Timing Gear

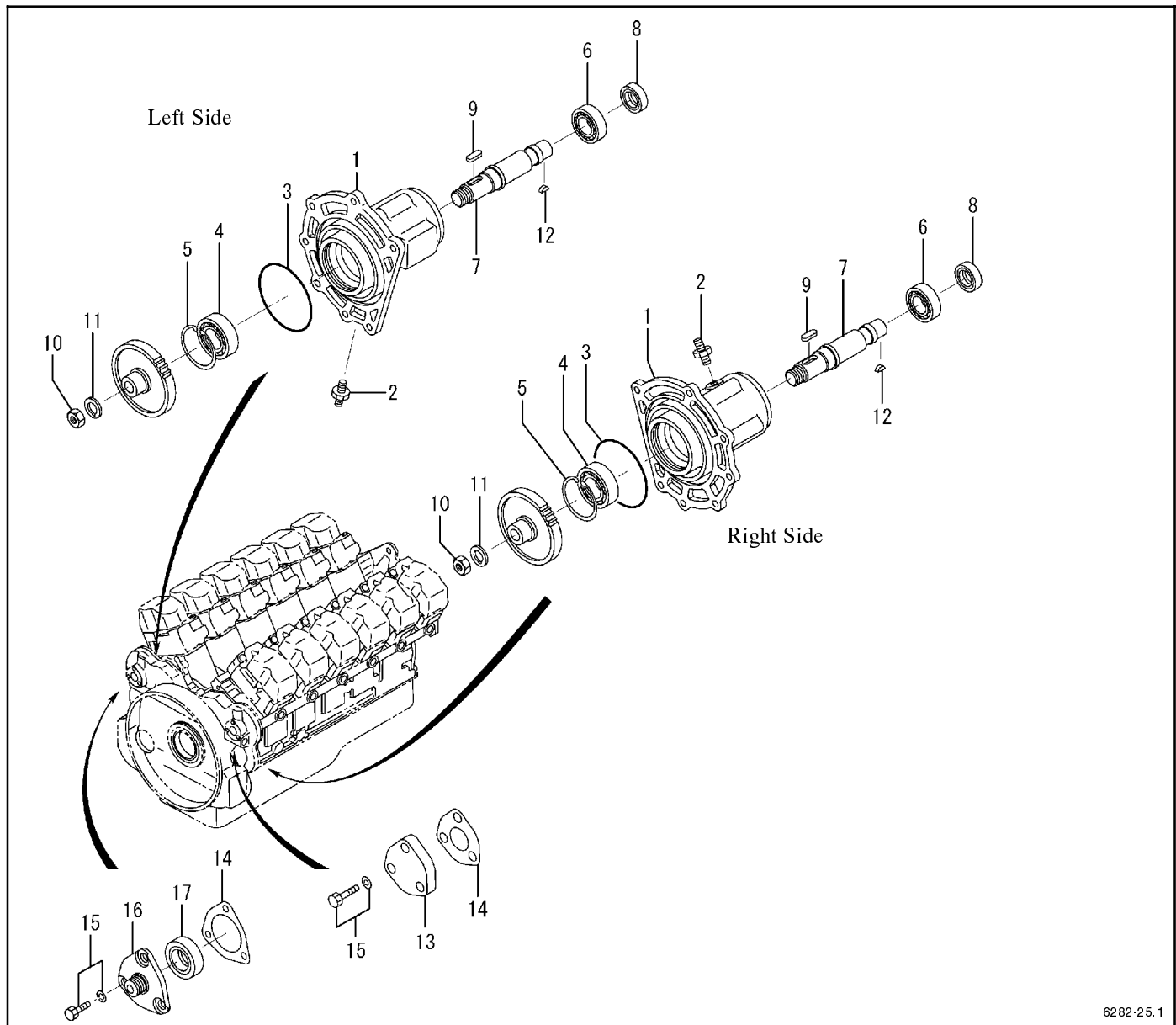


6282-23

Item	Part No.	Description	Qty.	
			1	2
1	GM36391	Gear, camshaft	2	2
2	GM36392	Gear, injection pump	2	2
3	GM36393	Gear assembly, idler	2	2
301	X	Gear, idler	2	2
302	GM14896	Bushing	2	2
4	GM36394	Shaft, idler	2	2
5	GM36395	Bolt, w/washer	7	
5	GM36362	Bolt		7
5	GM36363	Washer		7
6	GM15983	Bolt w/washer	1	
6	GM15131	Bolt		1
6	GM36363	Washer		1
7	GM14568	Plate	2	2
8	GM22091	Bolt	4	4
9	GM31310	Washer	4	4
10	GM36396	Gear, oil pump	1	1

X Part is not sold separately

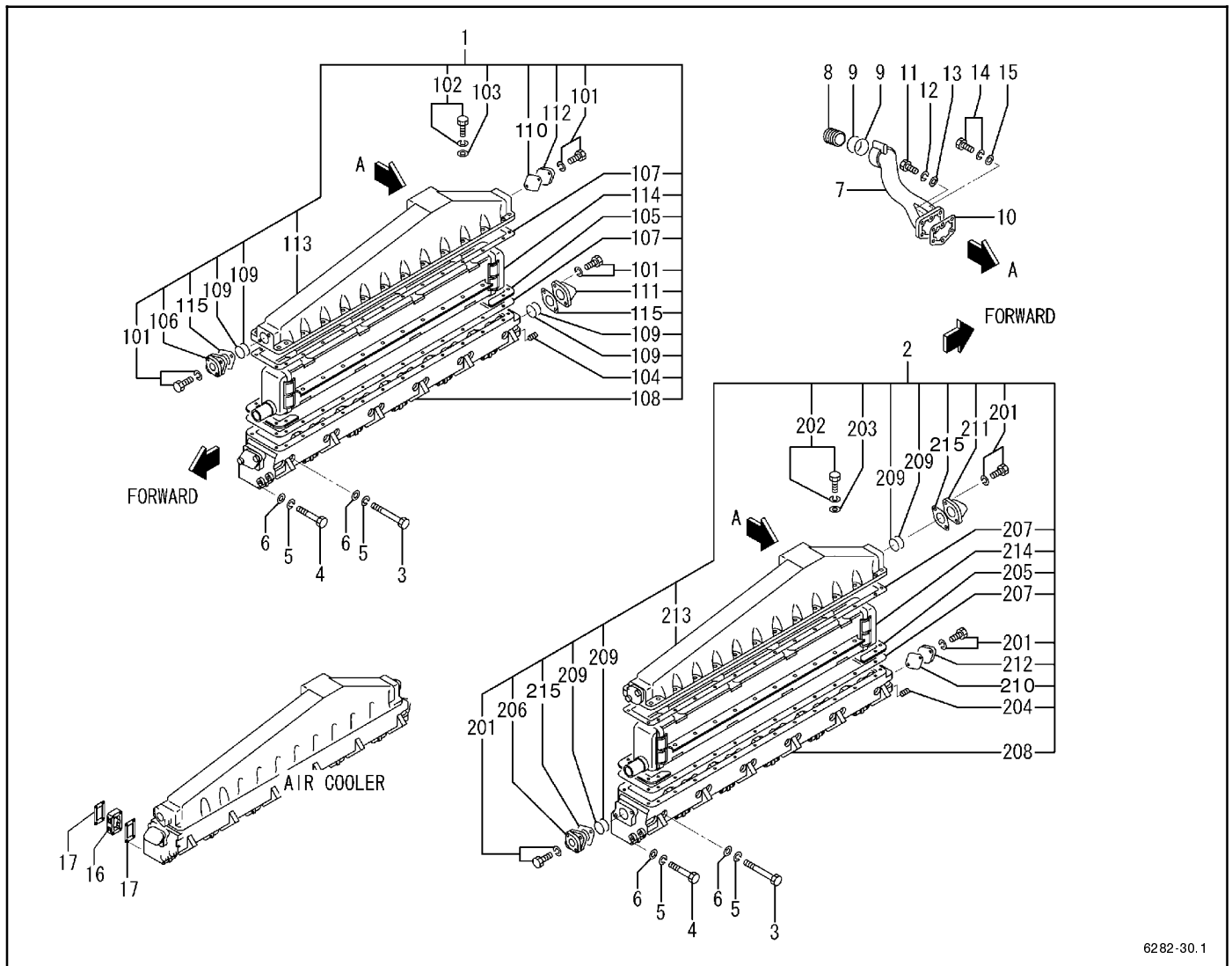
Group 25: Accessory Drive



6282-25.1

Item	Part No.	Description	Qty.	
			1	2
1	GM36397	Case, drive	2	2
2	GM36398	Connector	2	2
3	GM36399	O-ring	2	2
4	GM16039	Bearing, ball	2	2
5	GM16021	Ring, snap	2	2
6	GM36400	Bearing, ball	2	2
7	GM36401	Shaft, drive	2	
7	TBD	Shaft, drive		2
8	GM36402	Seal, oil	2	
8	GM57323	Seal, oil		2
8	TBD	Sleeve (not shown)		2
9	GM36403	Key, sunk	2	2
10	GM15988	Nut, jam	2	2
11	GM31402	Washer	2	2
12	GM36404	Key, woodruff	2	2
13	GM36405	Cover	1	1
14	GM36406	Packing	2	2
15	GM15159	Bolt w/washer	6	6
16	GM36407	Case, oil seal	1	1
17	GM36408	Seal, oil	1	1

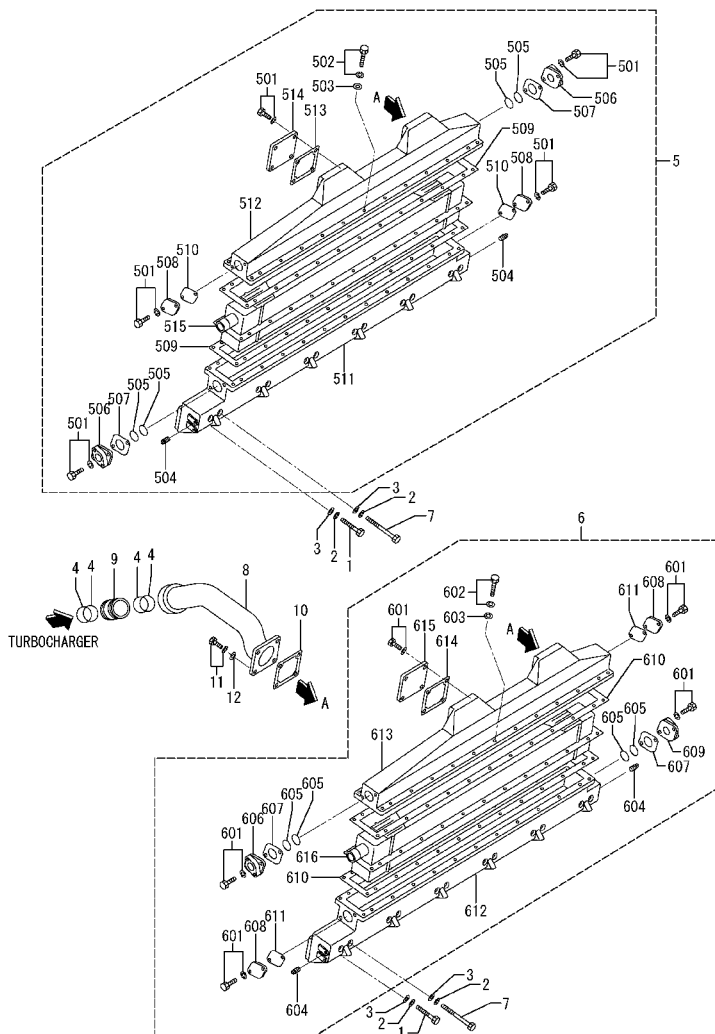
Group 30.1: Intake System



6282-30.1

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36409	Cooler assembly, air	1	208	GM36411	Manifold, inlet	1
101	GM15159	Bolt w/washer	8	209	GM36417	O-ring	4
102	GM15161	Bolt w/washer	28	210	GM36412	Gasket	2
103	GM15174	Washer, plain	28	211	GM14614	Connector	1
104	GM15246	Plug, tapered	2	212	GM14616	Flange	2
105	GM36410	Plate	2	213	GM36418	Cover air cooler	1
106	GM14589	Connector	1	214	GM36413	Element	1
107	GM36416	Gasket	2	215	GM36414	Gasket	2
108	GM36411	Manifold, inlet	1	3	GM36419	Bolt	24
109	GM36417	O-ring	4	4	GM36420	Bolt	24
110	GM36412	Gasket	2	5	GM15179	Washer, spring	48
111	GM14614	Connector	1	6	GM15174	Washer, plain	48
112	GM14616	Flange	2	7	GM36421	Duct	2
113	GM36418	Cover air cooler	1	8	GM36422	Connector	2
114	GM36413	Element	1	9	GM14648	O-ring	8
115	GM36414	Gasket	2	10	GM36423	Packing	2
2	GM36415	Cooler assembly, air	1	11	GM36634	Bolt	4
201	GM15159	Bolt w/washer	8	12	GM15179	Washer, spring	4
202	GM15161	Bolt w/washer	28	13	GM15174	Washer, plain	4
203	GM15174	Washer, plain	28	14	GM15981	Bolt w/washer	8
204	GM15246	Plug, tapered	2	15	GM15174	Washer, plain	8
205	GM36410	Plate	2	16	GM36424	Spacer	12
206	GM14589	Connector	1	17	GM36425	Packing	24
207	GM36416	Gasket	2				

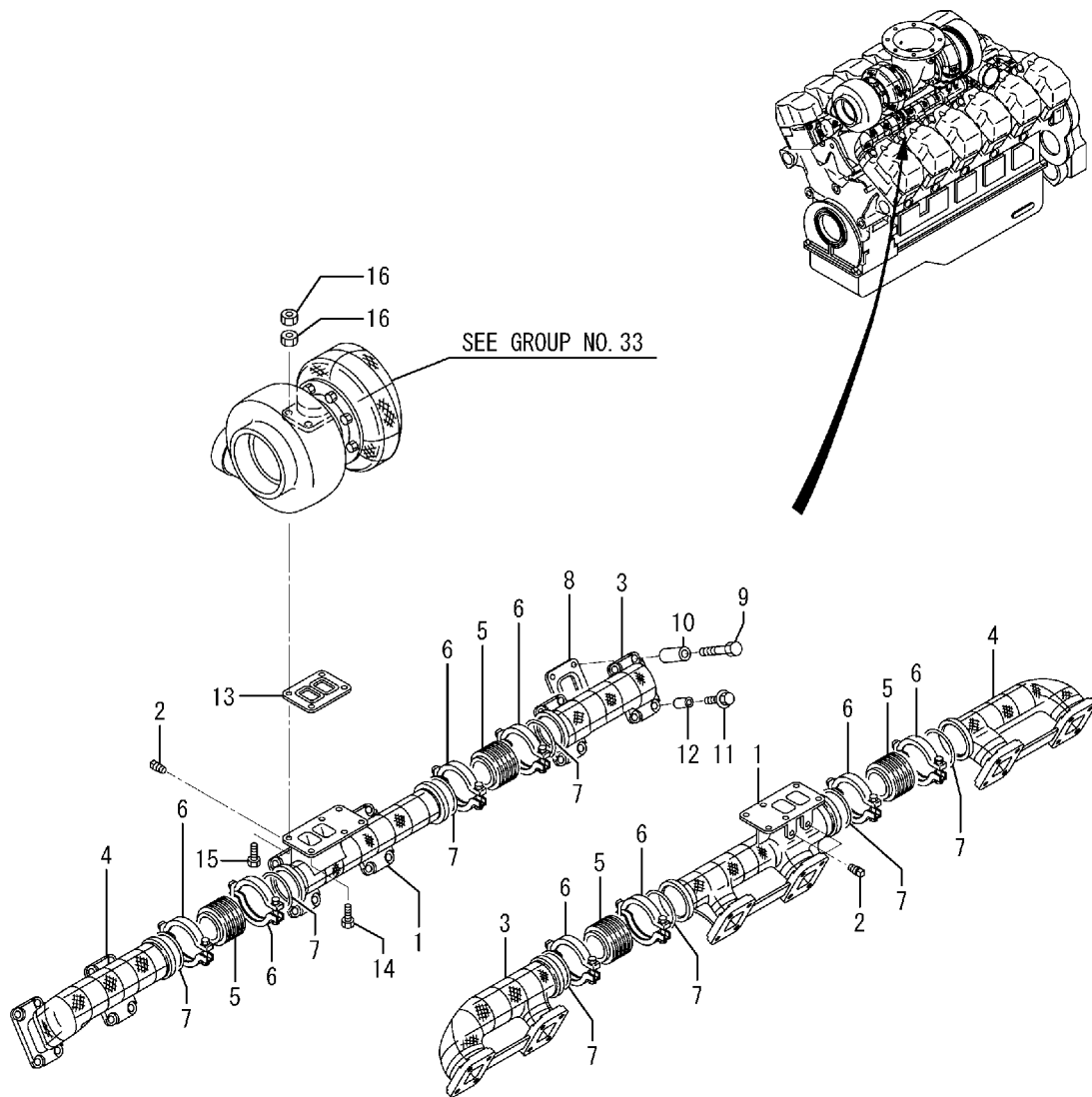
Group 30.1: Intake System, continued



6282-30.1_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36420	Bolt	24	602	GM15161	Bolt w/washer	26
2	GM15179	Washer, spring	48	603	GM15174	Washer, plain	26
3	GM15174	Washer, plain	48	604	GM15246	Plug, tapered	5
4	GM14648	O-ring	8	605	GM14504	O-ring	4
5	GM57324	Cooler assembly, air, right hand	1	606	GM34153	Connector	1
501	GM15159	Bolt w/washer	12	607	GM34158	Gasket	2
502	GM15161	Bolt w/washer	26	608	GM14616	Flange	2
503	GM15174	Washer, plain	26	609	GM34157	Connector	1
504	GM15246	Plug, tapered	5	610	GM34152	Gasket	2
505	GM14504	O-ring	4	611	GM34154	Gasket	2
506	GM34153	Connector	2	612	GM57325	Manifold, inlet	1
507	GM34158	Gasket	2	613	GM14690	Cover, air cooler	1
508	GM14616	Flange	2	614	GM14691	Gasket	1
509	GM34152	Gasket	2	615	GM34155	Cover	1
510	GM34154	Gasket	2	616	GM34151	Element, air cooler	1
511	GM57325	Manifold, inlet	1	7	GM57327	Bolt	24
512	GM14690	Cover, air cooler	1	8	GM34159	Duct, inlet	2
513	GM14691	Gasket	1	9	GM14696	Joint	2
514	GM34155	Cover	1	10	GM14691	Gasket	2
515	GM34151	Element, air cooler	1	11	GM15161	Bolt w/washer	8
6	GM57326	Cooler assembly, air, left hand	1	12	GM15174	Washer, plain	8
601	GM15159	Bolt w/washer	12				

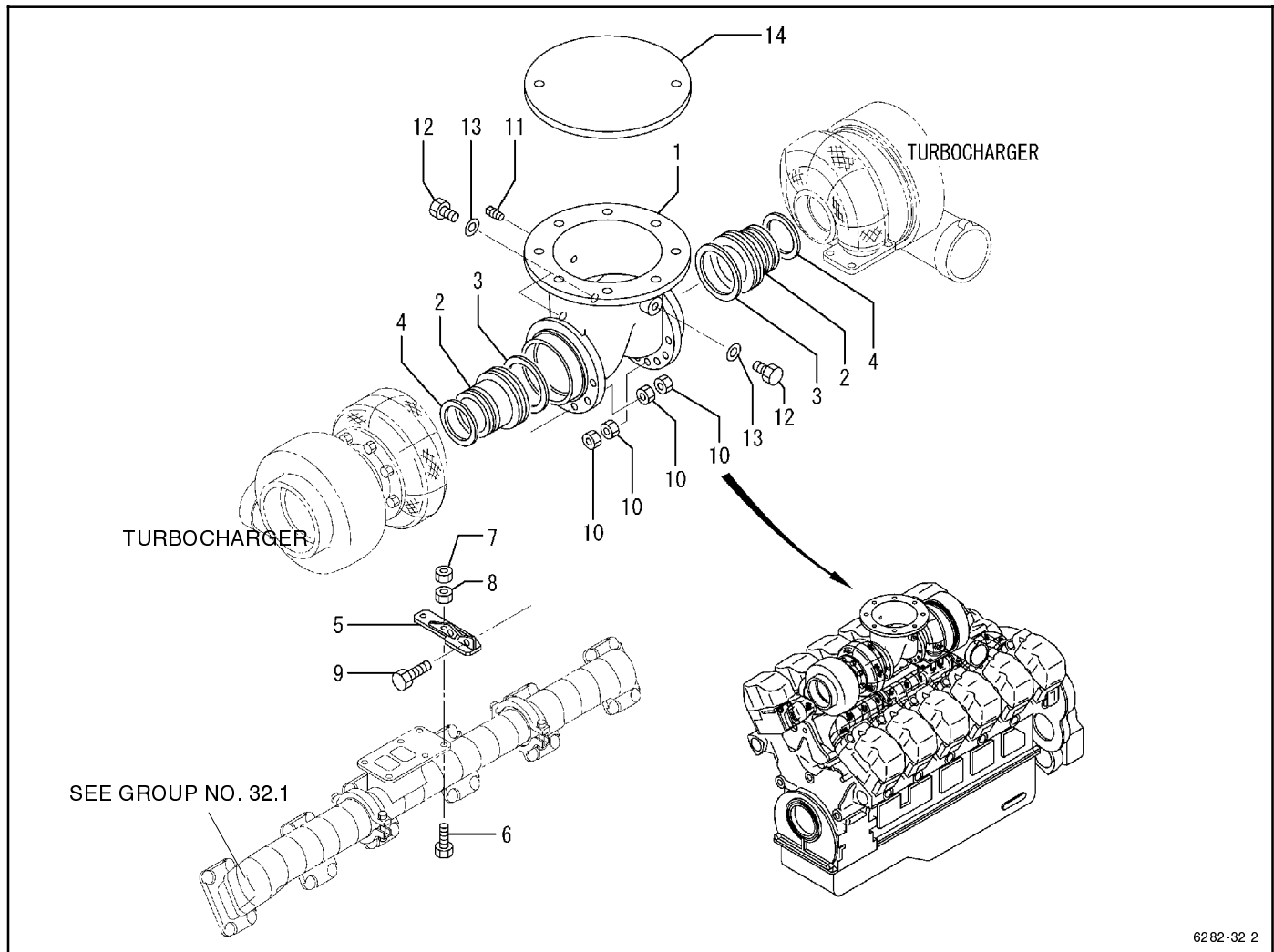
Group 32.1: Exhaust System



6282-32.1

Item	Part No.	Description	Qty.	
			1	2
1	GM36426	Manifold, exhaust	2	2
2	GM15242	Plug, tapered	4	4
3	GM36427	Manifold, exhaust	2	2
4	GM36428	Manifold, exhaust	2	2
5	GM31326	Joint, flexible	4	4
6	GM15081	Coupling assembly	8	8
7	GM14592	Gasket joint	8	8
8	GM36429	Gasket, exhaust manifold	12	12
9	GM14595	Bolt	24	24
10	GM14464	Spacer	24	24
11	GM14596	Bolt	24	24
12	GM36430	Spacer	24	24
13	GM34183	Gasket, turbocharger	2	2
14	GM34175	Bolt	2	8
15	GM36431	Bolt	6	
16	GM22119	Nut, self-locking	8	8

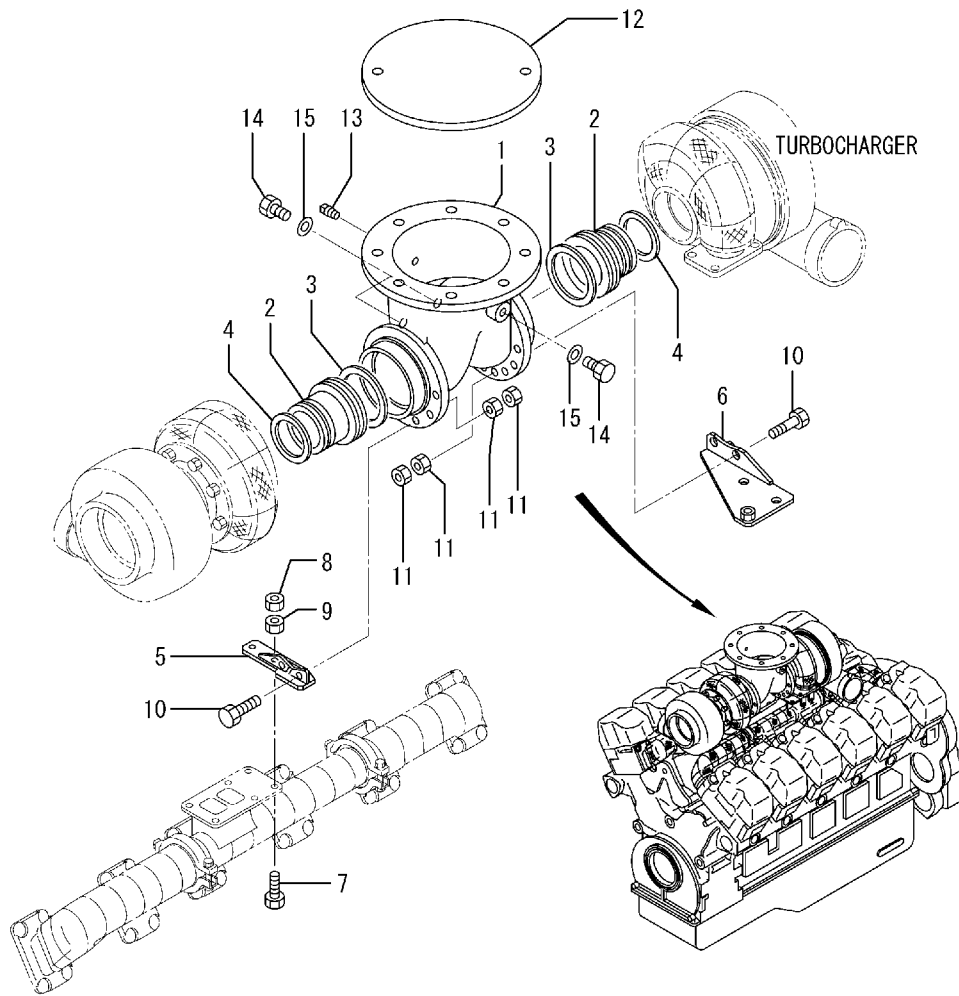
Group 32.2: Exhaust Elbow



6282-32.2

Item	Part No.	Description	Qty.
			Var.
1	GM36432	Pipe, exhaust	1
2	GM36433	Joint, exhaust pipe	2
3	GM36434	Ring	4
4	GM36435	Ring	4
5	GM36436	Bracket	2
6	GM14552	Bolt	4
7	GM15165	Nut	4
8	GM15171	Nut, jam	4
9	GM15111	Bolt	4
10	GM15165	Nut	8
11	GM15246	Plug, tapered	1
12	GM14994	Plug	3
13	GM22025	Gasket	3
14	GM14597	Cover	1

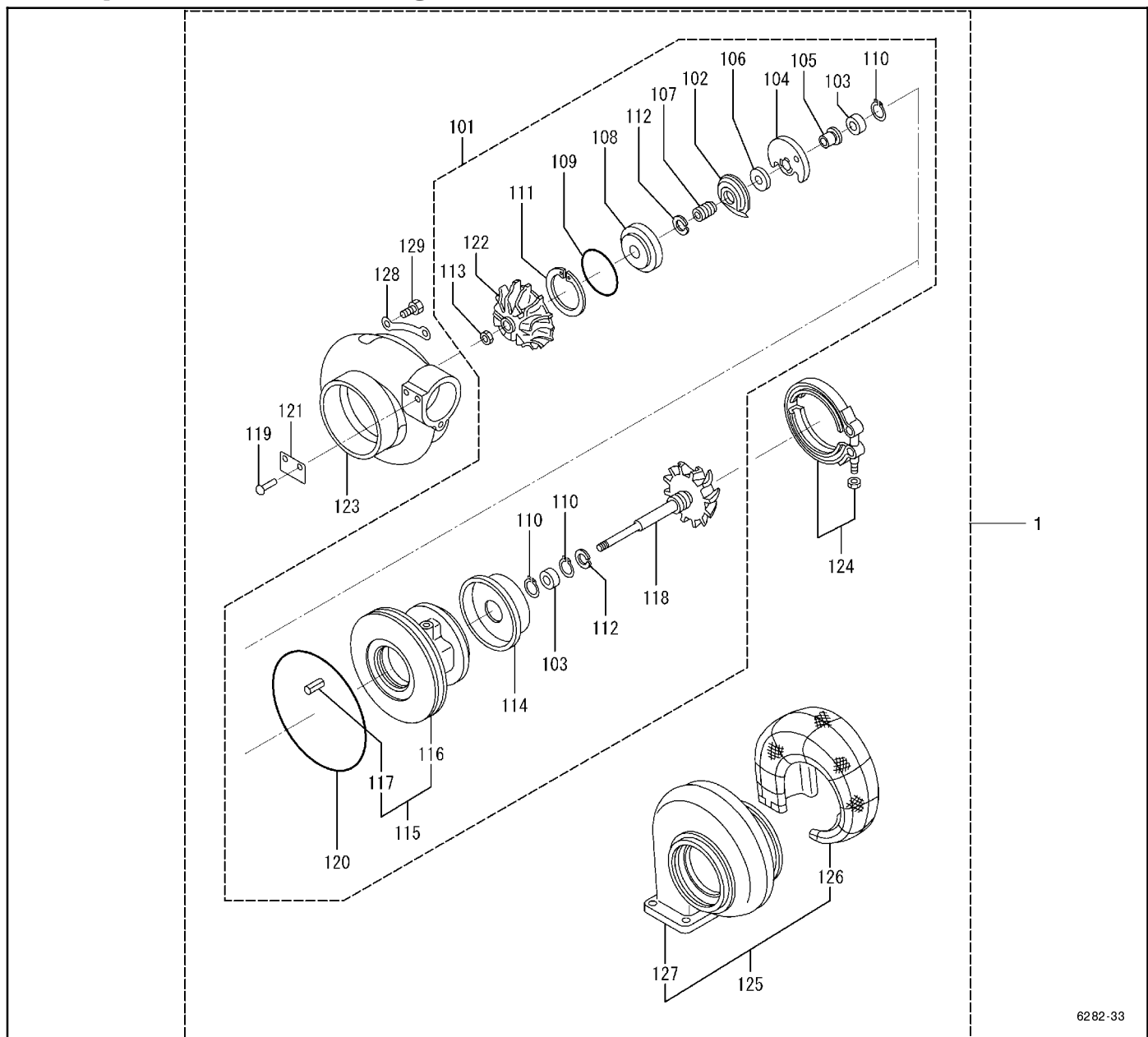
Group 32.2: Exhaust Elbow



6282-32.2_2

Item	Part No.	Description	Qty.
			Var. 2
1	GM36432	Pipe, exhaust	1
2	GM36433	Joint, exhaust pipe	2
3	GM36434	Ring	4
4	GM36435	Ring	4
5	GM36436	Bracket	1
6	GM57328	Bracket	1
7	GM14552	Bolt	4
8	GM15165	Nut	4
9	GM15171	Nut, jam	4
10	GM15111	Bolt	4
11	GM15165	Nut	8
12	GM14597	Cover	1
13	GM15246	Plug, tapered	1
14	GM22026	Plug, screw	3
15	GM22025	Gasket	3

Group 33: Turbocharger

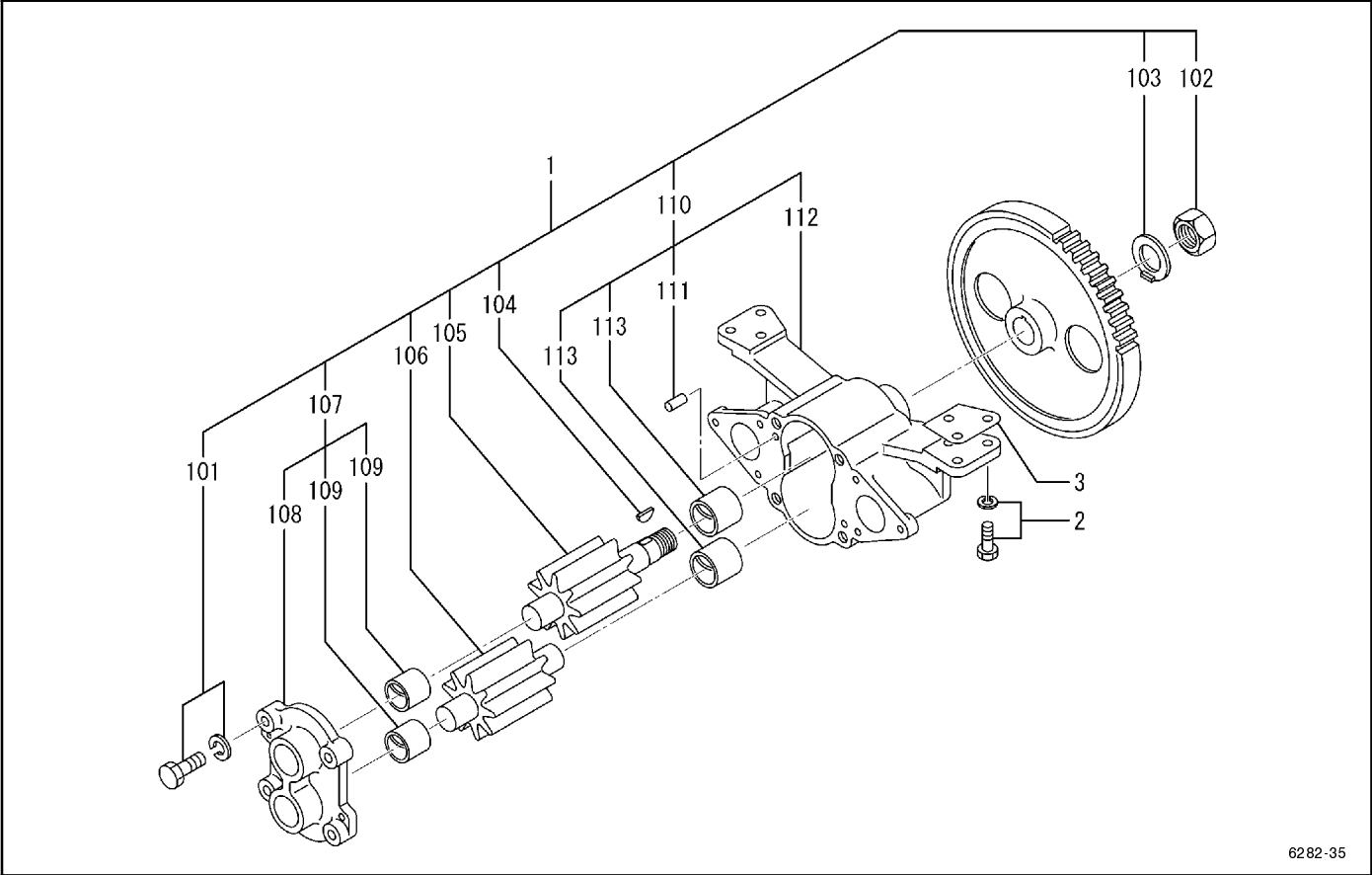


6282-33

Item	Part No.	Description	Qty.		Item	Part No.	Description	Qty.	
			1	2				1	2
1	GM36437	Turbocharger assembly	2	2	115	GM36439	Housing assembly, bearing	2	2
1	GM57329	Turbocharger assembly		2	115	GM22069	Housing assembly, bearing	2	2
101	GM36438	Cartridge assembly	2		116	X	Housing, bearing	2	2
101	GM57330	Cartridge assembly		2	117	GM15949	Pin, spring	2	2
102	GM15047	Deflector, oil	2	2	118	GM22070	Rotor assembly	2	
103	GM15045	Bearing	4	4	118	GM57331	Rotor assembly		2
104	GM15046	Bearing, thrust	2	2	119	GM14481	Rivet, screw	4	4
105	GM15058	Ring, thrust	2	2	120	GM15051	O-ring	2	2
106	GM15057	Ring, thrust	2	2	121	X	Nameplate	2	2
107	GM15055	Sleeve, slinger	2	2	122	GM36440	Wheel, compressor	2	2
108	GM15049	Insert	2	2	123	GM36441	Cover, compressor	2	2
109	GM15050	O-ring (insert)	2	2	124	GM22067	V-clamp	2	2
110	GM15048	Ring, snap	6	6	125	X	Turbine housing assembly	2	2
111	GM15043	Ring, snap	2	2	126	GM36442	Lagging	2	2
112	GM15052	Ring, piston	4	4	127	GM36443	Housing, turbo	2	2
113	GM22071	Nut, lock	2	2	128	GM15053	Plate, lock	8	8
114	GM22068	Plate, back turbine	2	2	129	GM15054	Bolt	16	16

X Part is not sold separately

Group 35: Oil Pump

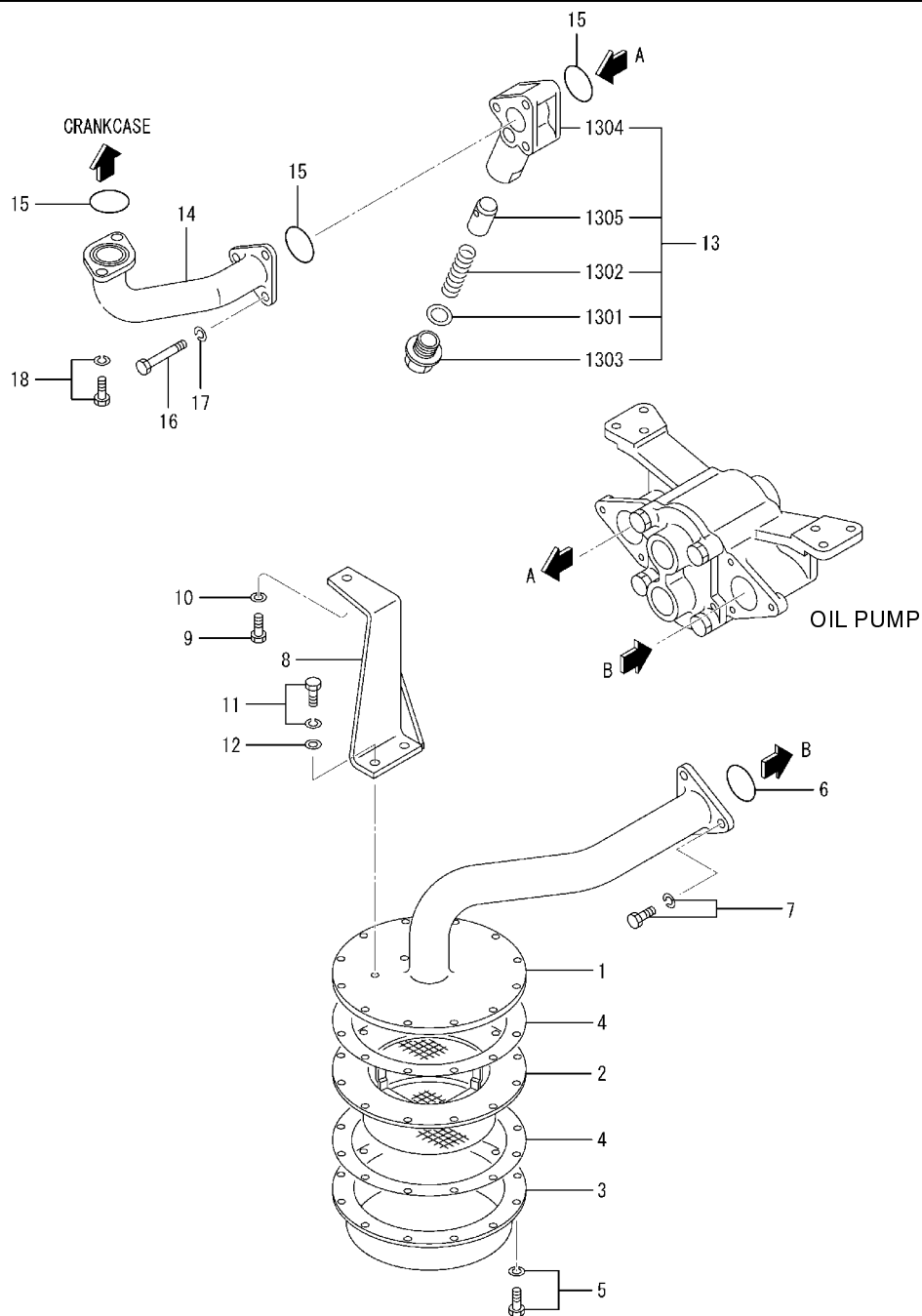


6282-35

Item	Part No.	Description	Qty.
			Var. 1
1	GM36444	Pump assembly, oil	1
101	GM36445	Bolt, w/washer	4
102	GM36446	Nut, jam	1
103	GM36447	Washer	1
104	GM15997	Key, woodruff	1
105	GM36448	Gear, drive	1
106	GM36449	Gear, driven	1
107	GM36450	Cover assembly	1
108	X	Cover	1
109	GM36452	Bushing	2
110	GM36451	Case assembly	1
111	GM15186	Pin	2
112	X	Case, oil pump	1
113	GM36452	Bushing	2
2	GM36453	Bolt, w/washer	4
3	GM36454	Shim	2

X Part is not sold separately

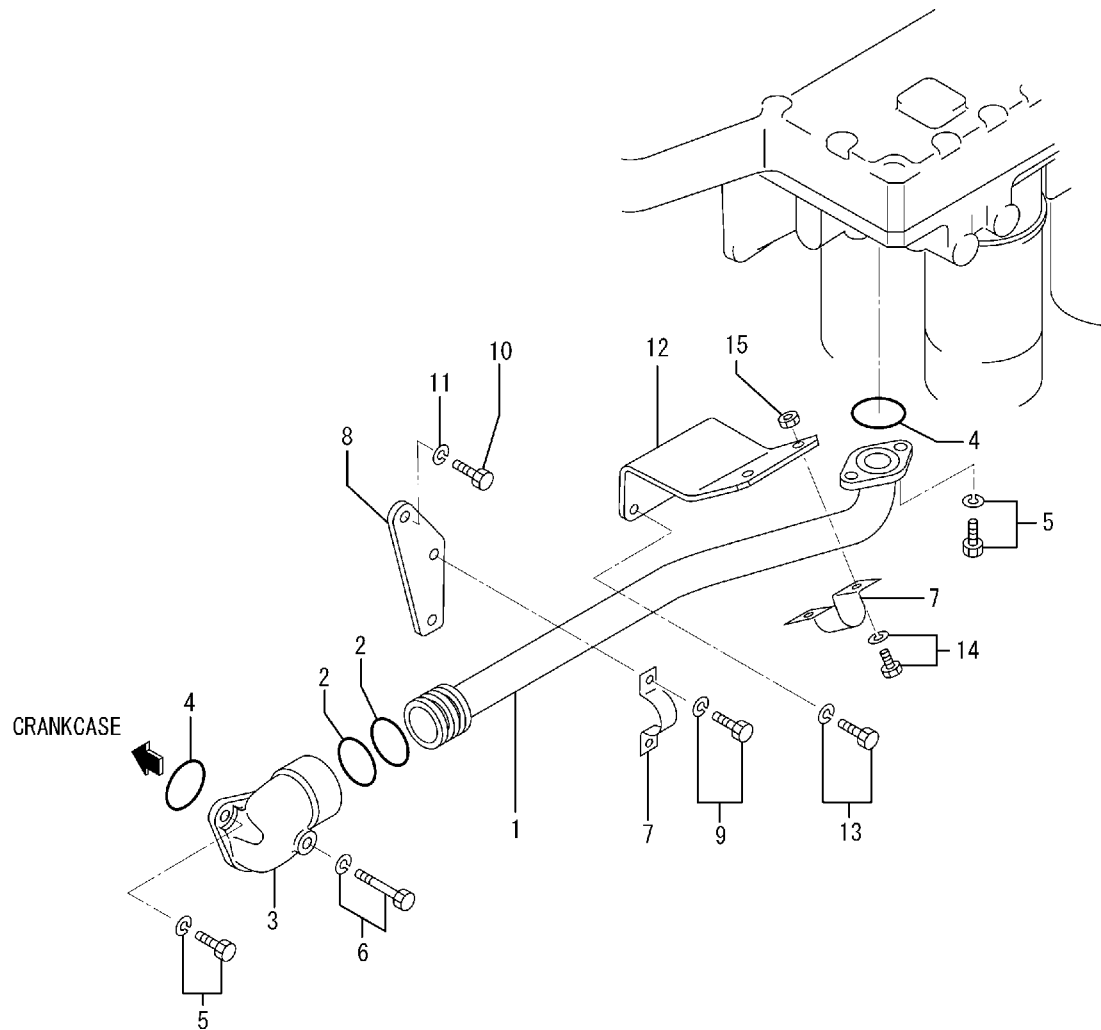
Group 36.1: Oil Strainer



6282-36.1

Item	Part No.	Description	Qty.		Item	Part No.	Description	Qty.	
			1	2				1	2
1	GM36455	Strainer, oil	1	1	12	GM15174	Washer, plain	2	2
2	GM36456	Strainer	1	1	13	GM36461	Valve assembly, safety	1	1
3	GM36457	Plate	1	1	1301	GM36462	Gasket	1	1
4	GM36458	Packing	2		1302	GM36463	Spring	1	1
4	GM57332	Packing		2	1303	GM36464	Plug	1	1
5	GM31680	Bolt w/washer	12	12	1304	GM36465	Case	1	1
6	GM21619	O-ring	1	1	1305	GM36466	Valve, safety	1	1
7	GM15159	Bolt w/washer	3	3	14	GM36467	Pipe, oil	1	1
8	GM36459	Support	1	1	15	GM21618	O-ring	3	3
9	GM36460	Bolt	1	1	16	GM36468	Bolt	3	3
10	GM15180	Washer, spring	1	1	17	GM15179	Washer, spring	3	3
11	GM15139	Bolt w/washer	2	2	18	GM15160	Bolt w/washer	3	3

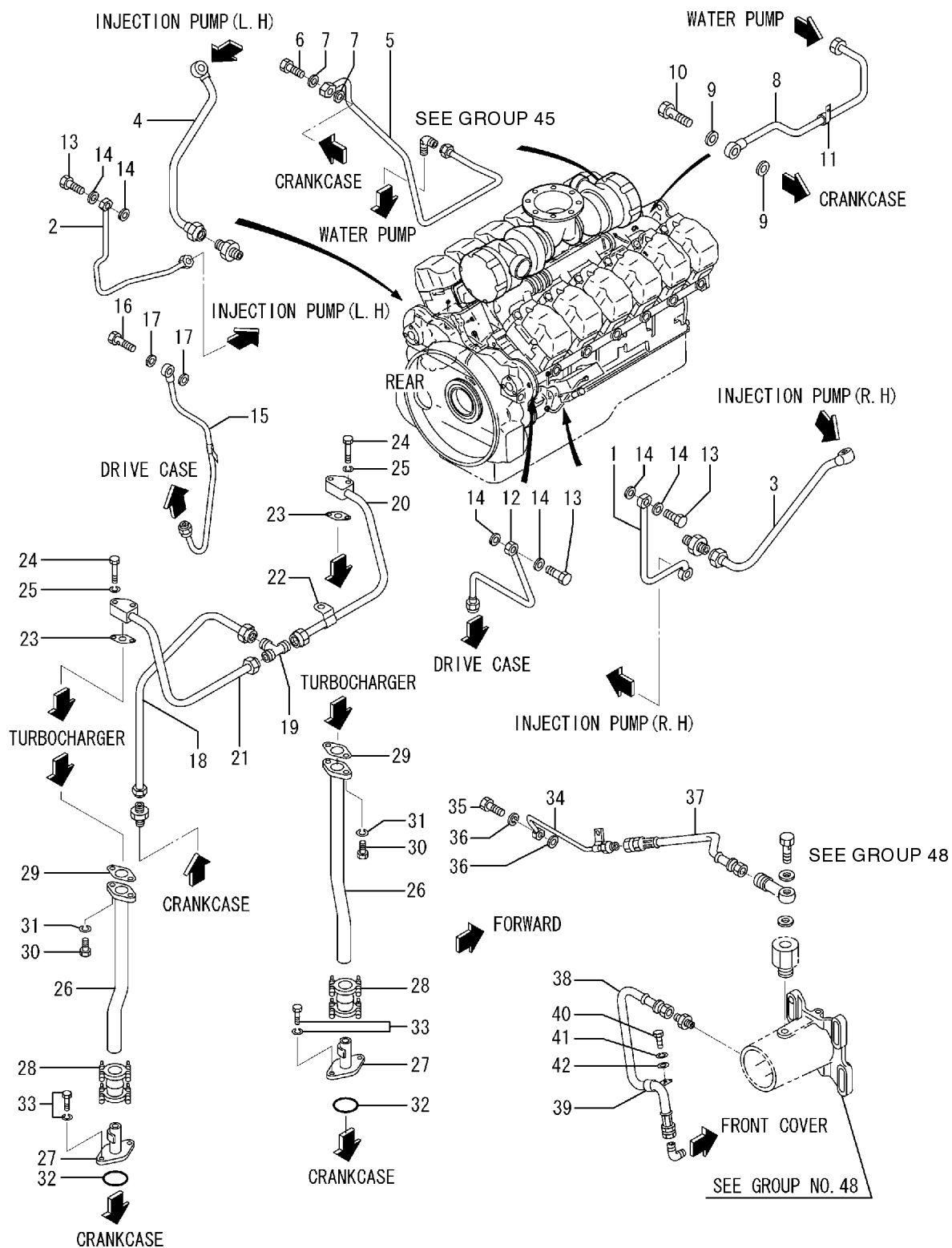
Group 36.2: Oil Pipe



6282-36.2

Item	Part No.	Description	Qty. Var.
1	GM36469	Pipe, oil	1
2	GM21618	O-ring	2
3	GM36470	Connector	1
4	GM21618	O-ring	2
5	GM15160	Bolt w/washer	3
6	GM36471	Bolt w/washer	1
7	GM36472	Clamp, oil pipe	2
8	GM36473	Stay	1
9	GM15160	Bolt w/washer	2
10	GM36474	Bolt	1
11	GM15179	Washer, spring	1
12	GM36475	Stay	1
13	GM36706	Bolt w/washer	2
14	GM15140	Bolt w/washer	2
15	GM15164	Nut	2

Group 36.3: Turbocharger Oil Lines

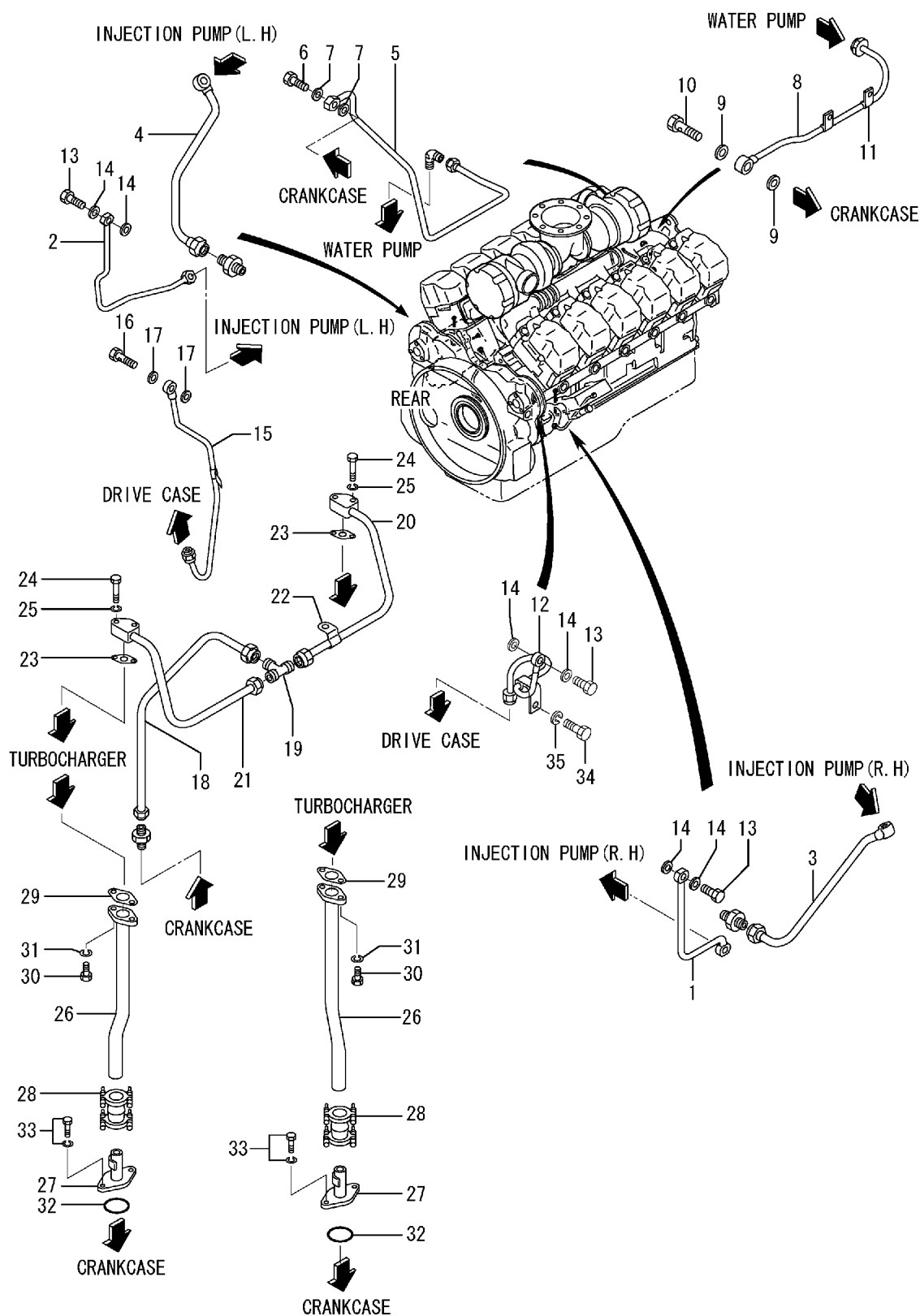


6282-36.3

Group 36.3: Turbocharger Oil Lines

Item	Part No.	Description	Qty.
			Var. 1
1	GM36476	Pipe, oil	1
2	GM36477	Pipe, oil	1
3	GM36478	Pipe, oil	1
4	GM36479	Pipe, oil	1
5	GM36480	Pipe, oil	1
6	GM36484	Bolt, eye	1
7	GM14528	Washer, sealing	2
8	GM36481	Pipe, drain	1
9	GM14531	Washer, sealing	2
10	GM15235	Bolt, eye	1
11	GM36482	Clip	1
12	GM36483	Pipe, oil	1
13	GM36484	Bolt, eye	3
14	GM14528	Washer, sealing	6
15	GM36485	Pipe, oil	1
16	GM36484	Bolt, eye	1
17	GM14528	Washer, sealing	2
18	GM36486	Pipe, oil	1
19	GM36487	T-joint	1
20	GM36488	Pipe, oil	1
21	GM36489	Pipe, oil	1
22	GM36490	Clamp	1
23	GM34216	Packing	2
24	GM36491	Bolt	4
25	GM15179	Washer, spring	4
26	GM36492	Pipe, drain	2
27	GM36493	Pipe, drain	2
28	GM14495	Coupling, turbo drain	2
29	GM31359	Packing	2
30	GM36634	Bolt	4
31	GM15179	Washer, spring	4
32	GM21617	O-ring	2
33	GM15160	Bolt w/washer	4
34	GM36494	Pipe, oil	1
35	GM36484	Bolt, eye	1
36	GM14528	Washer, sealing	2
37	GM36495	Pipe, flexible	1
38	GM36496	Pipe, flexible	1
39	GM36497	Clip	1
40	GM36498	Bolt	1
41	GM15179	Washer, spring	1
42	GM15174	Washer, plain	1

Group 36.3: Turbocharger Oil Lines, continued

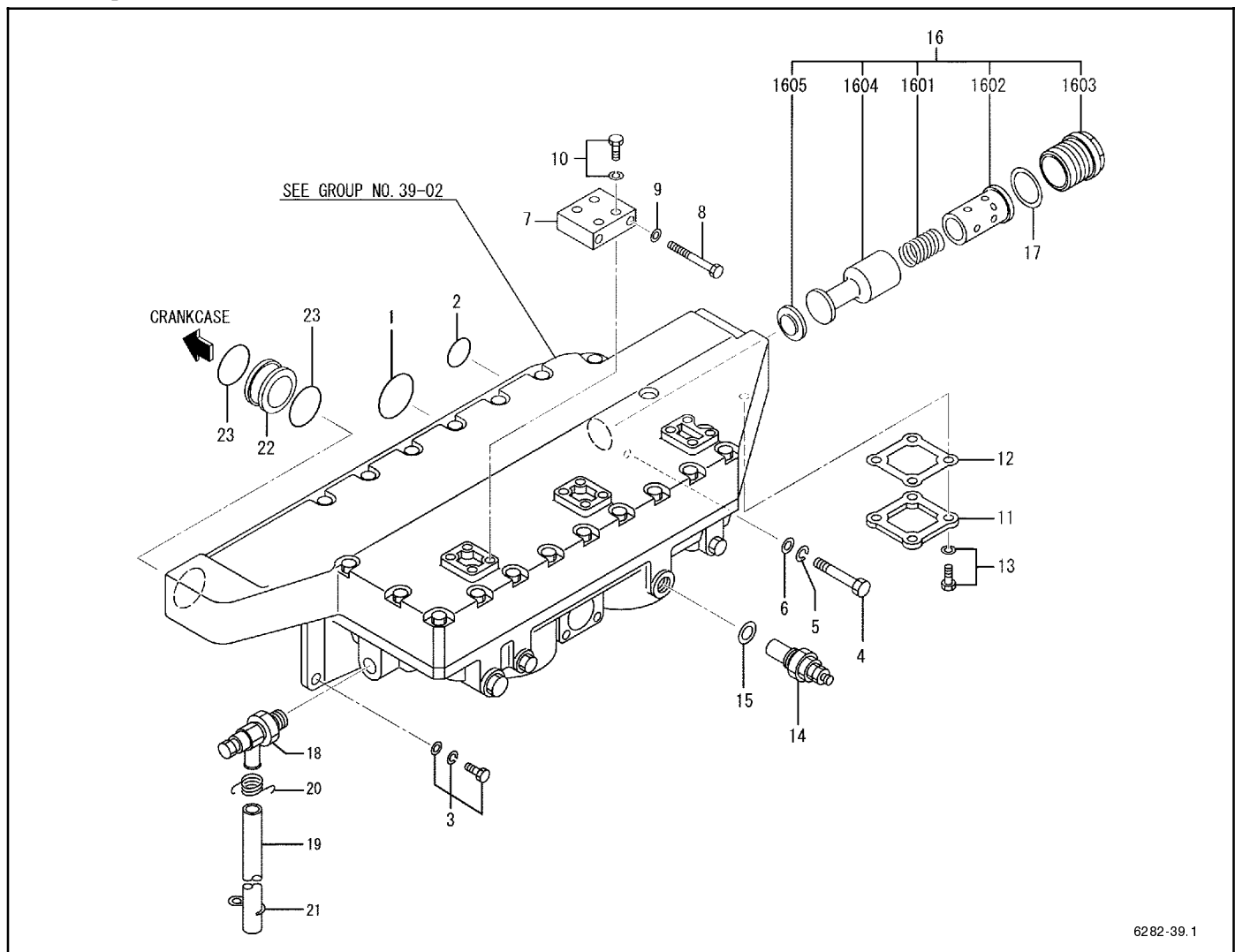


6282-36.3_2

Group 36.3: Turbocharger Oil Lines, continued

Item	Part No.	Description	Qty.
			Var. 2
1	GM36476	Pipe, oil	1
2	GM36477	Pipe, oil	1
3	GM36478	Pipe, oil	1
4	GM36479	Pipe, oil	1
5	GM36480	Pipe, oil	1
6	GM36484	Bolt, eye	1
7	GM14528	Washer, sealing	2
8	GM57333	Pipe, drain	1
9	GM14531	Washer, sealing	2
10	GM15235	Bolt, eye	1
11	GM36482	Clip	1
12	GM57334	Pipe, oil	1
13	GM36484	Bolt, eye	3
14	GM14528	Washer, sealing	6
15	GM57335	Pipe, oil	1
16	GM36484	Bolt, eye	1
17	GM14528	Washer, sealing	2
18	GM36486	Pipe, oil	1
19	GM36487	T-joint	1
20	GM36488	Pipe, oil	1
21	GM36489	Pipe, oil	1
22	GM36490	Clamp	1
23	GM34216	Packing	2
24	GM36491	Bolt	4
25	GM15179	Washer, spring	4
26	GM36492	Pipe, drain	2
27	GM36493	Pipe, drain	2
28	GM14495	Coupling, turbo drain	2
29	GM31359	Packing	2
30	GM36634	Bolt	4
31	GM15179	Washer, spring	4
32	GM21617	O-ring	2
33	GM15160	Bolt w/washer	4
34	GM22091	Bolt	1
35	GM15179	Washer, spring	1

Group 39.1: Oil Cooler

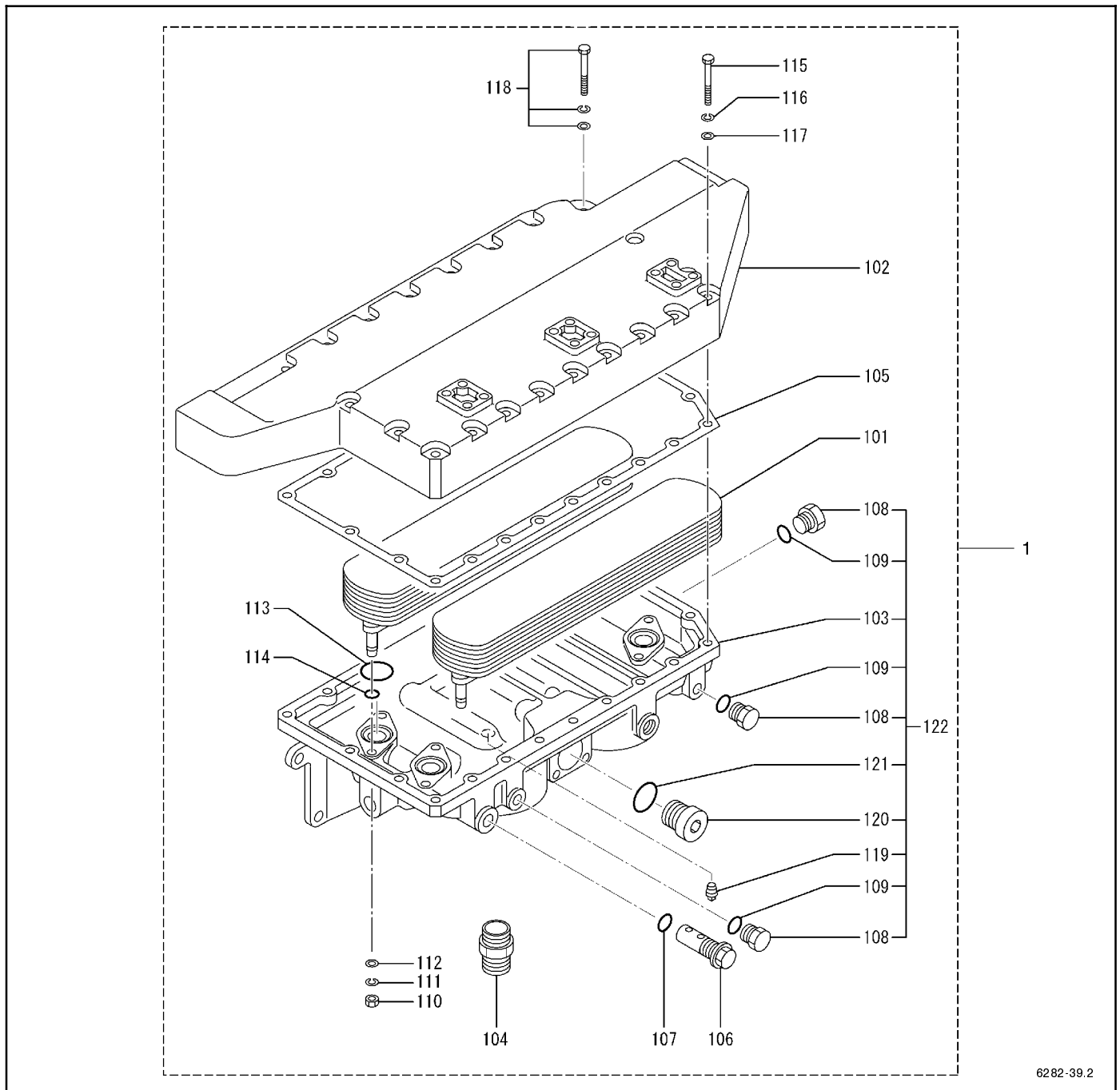


6282-39.1

Item	Part No.	Description	Qty.	
			1	2
1	GM21618	O-ring	2	2
2	GM15528	O-ring	1	1
3	GM36514	Bolt, w/washer	11	11
4	GM15130	Bolt	2	2
5	GM15179	Washer, spring	2	2
6	GM15174	Washer, plain	2	2
7	GM36499	Bracket	3	3
8	GM36625	Bolt	6	6
9	GM15174	Washer, plain	6	6
10	GM15981	Bolt w/washer	12	12
11	GM36500	Cover, side	1	1
12	GM36501	Packing	1	1
13	GM15159	Bolt w/washer	4	4
14	GM14488	Alarm, oil filter	1	
14	GM21722	Alarm, oil filter		1

Item	Part No.	Description	Qty.	
			1	2
15	GM14533	Washer, sealing	1	1
16	GM36502	Valve assembly, relief	1	1
1601	GM36503	Spring	1	1
1602	GM36504	Sleeve	1	1
1603	GM36505	Plug	1	1
1604	GM36506	Valve, relief	1	1
1605	GM36507	Retainer	1	1
17	GM14512	O-ring	1	1
18	GM14622	Cock, drain	1	
18	GM57191	Cock, drain		1
19	GM16023	Tube, vinyl	1	1
20	GM14558	Clamp	1	1
21	GM36552	Clamp	1	1
22	GM36508	Joint	1	1
23	GM16005	O-ring	2	2

Group 39.2: Oil Cooler Assembly

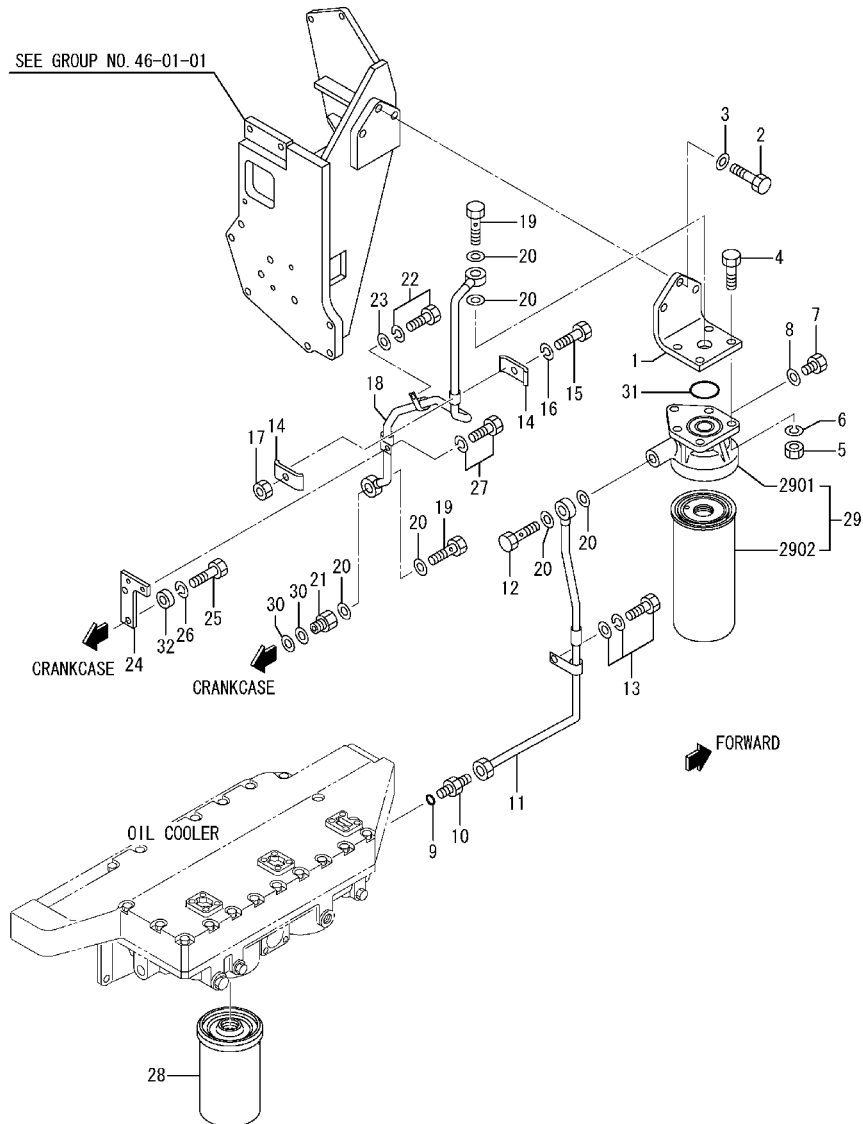


6282-39.2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36509	Cooler assembly, oil	1	112	GM15174	Washer, plain	8
101	GM36510	Element	2	113	GM15266	O-ring, oil	4
102	GM36511	Case	1	114	GM15264	O-ring	8
103	GM36512	Cover, cooler	1	115	GM36468	Bolt	13
104	X	Connector	4	116	GM15179	Washer, spring	13
105	GM36513	Gasket	1	117	GM15174	Washer, plain	13
106	GM14599	Valve, bypass	1	118	GM36514	Bolt, w/washer	9
107	GM14598	O-ring	1	119	GM15246	Plug, tapered	1
108	GM16042	Plug	3	120	GM36515	Plug	1
109	GM15265	O-ring	3	121	GM36516	O-ring	1
110	GM15164	Nut	8	122	GM36517	Cover assembly	1
111	GM15179	Washer, spring	8				

X Part is not sold separately

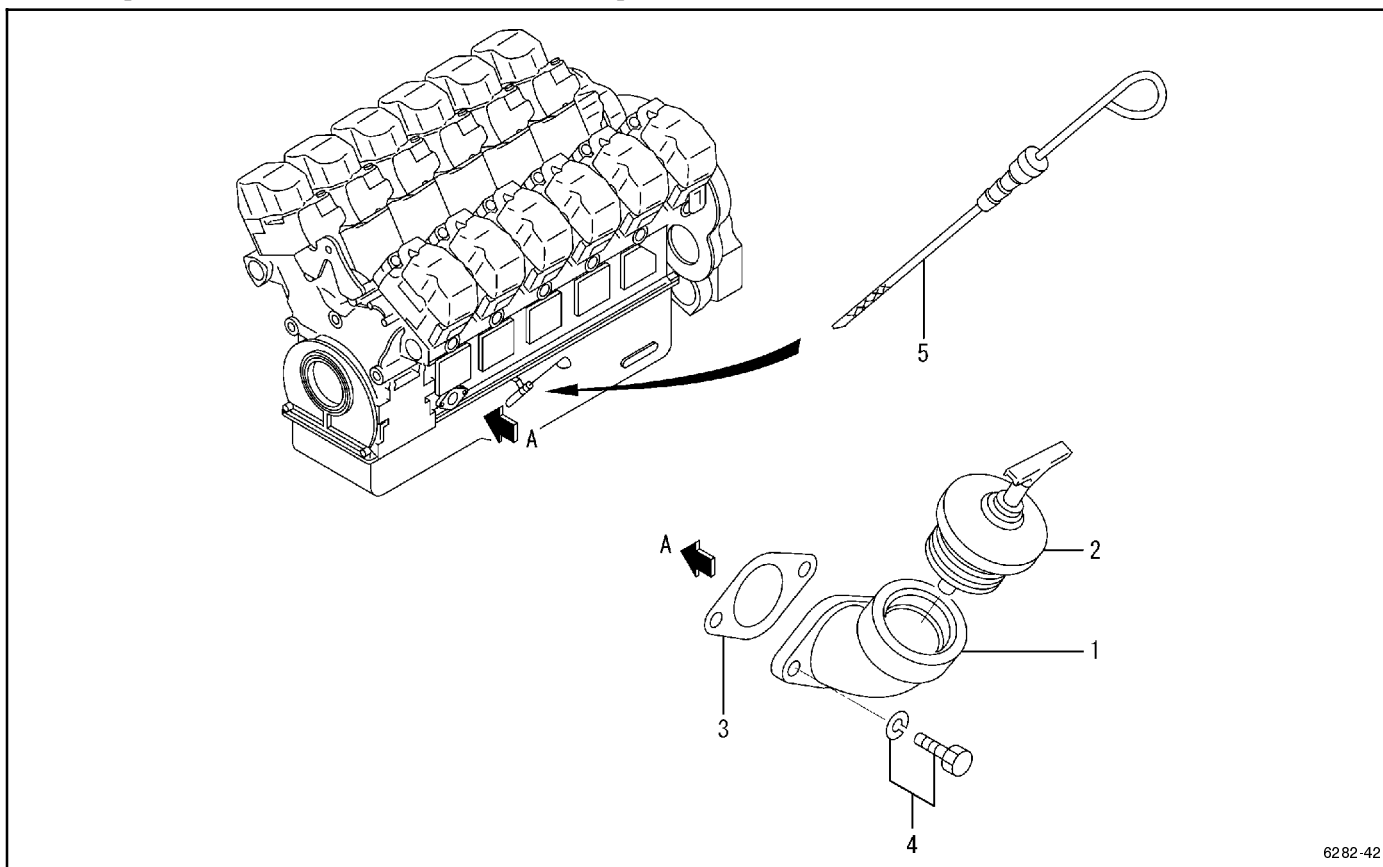
Group 40: Oil Filter



6282-40_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM57336	Bracket, oil filter	1	18	GM57338	Pipe, bypass	1
2	GM15108	Bolt	3	19	GM36525	Bolt, union	4
3	GM34246	Washer	3	20	GM36519	Washer, sealing	6
4	GM15956	Bolt	4	21	GM57339	Connector	1
5	GM15164	Nut	4	22	GM15139	Bolt w/washer	1
6	GM15179	Washer, spring	4	23	GM15174	Washer, plain	1
7	GM31295	Plug, drain	1	24	GM57340	Stay, pipe	1
8	GM36519	Washer, sealing	1	25	GM57307	Bolt	2
9	GM15265	O-ring	1	26	GM15179	Washer, spring	2
10	GM36524	Connector	1	27	GM15149	Bolt w/washer	1
11	GM57337	Pipe, bypass	1	28	GM32057	Filter, oil	4
12	GM36525	Bolt, union	1	29	GM36518	Filter assembly, bypass	1
13	GM15153	Bolt	1	2901	GM57341	Bracket	1
14	GM34323	Pipe, fuel fr	2	2902	GM13950	Filter, oil	1
15	GM15103	Bolt	1	30	GM36519	Washer, sealing	2
16	GM15179	Washer, spring	1	31	GM14516	O-ring	1
17	GM15164	Nut	1	32	GM57342	Spacer	2

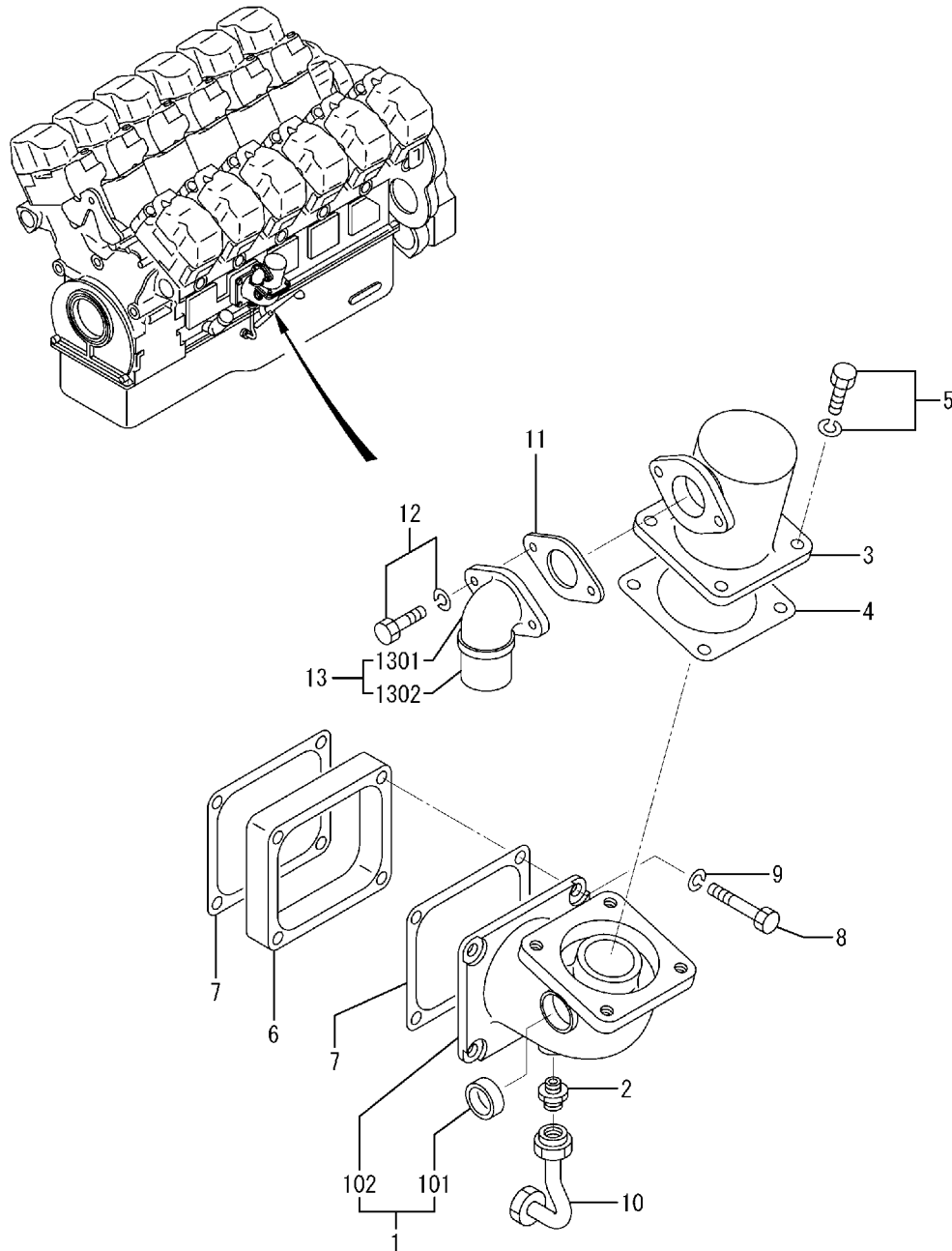
Group 42: Oil Filler and Dipstick



62 82-42

Item	Part No.	Description	Qty. Var. 1
1	GM14602	Elbow	1
2	GM14633	Cap, oil	1
3	GM21668	Gasket	1
4	GM15159	Bolt w/washer	2
5	GM36527	Gauge, level	1

Group 43: Breather



6282-43

Item	Part No.	Description	Qty. Var.
1	GM36528	Case assembly, breather	1
101	GM14491	Cap, sealing	2
102	X	Case	1
2	GM31459	Connector	1
3	GM36529	Cover, breather	1
4	GM36530	Packing	1
5	GM36395	Bolt, w/washer	4
6	GM36531	Cover, side	1
7	GM34094	Packing	2

Item	Part No.	Description	Qty. Var.
8	GM36532	Bolt	4
9	GM15179	Washer, spring	4
10	GM36533	Pipe, oil	1
11	GM31287	Gasket	1
12	GM15983	Bolt w/washer	2
13	GM36534	Elbow	1
1301	GM36535	Joint	1
1302	X	Pipe	1

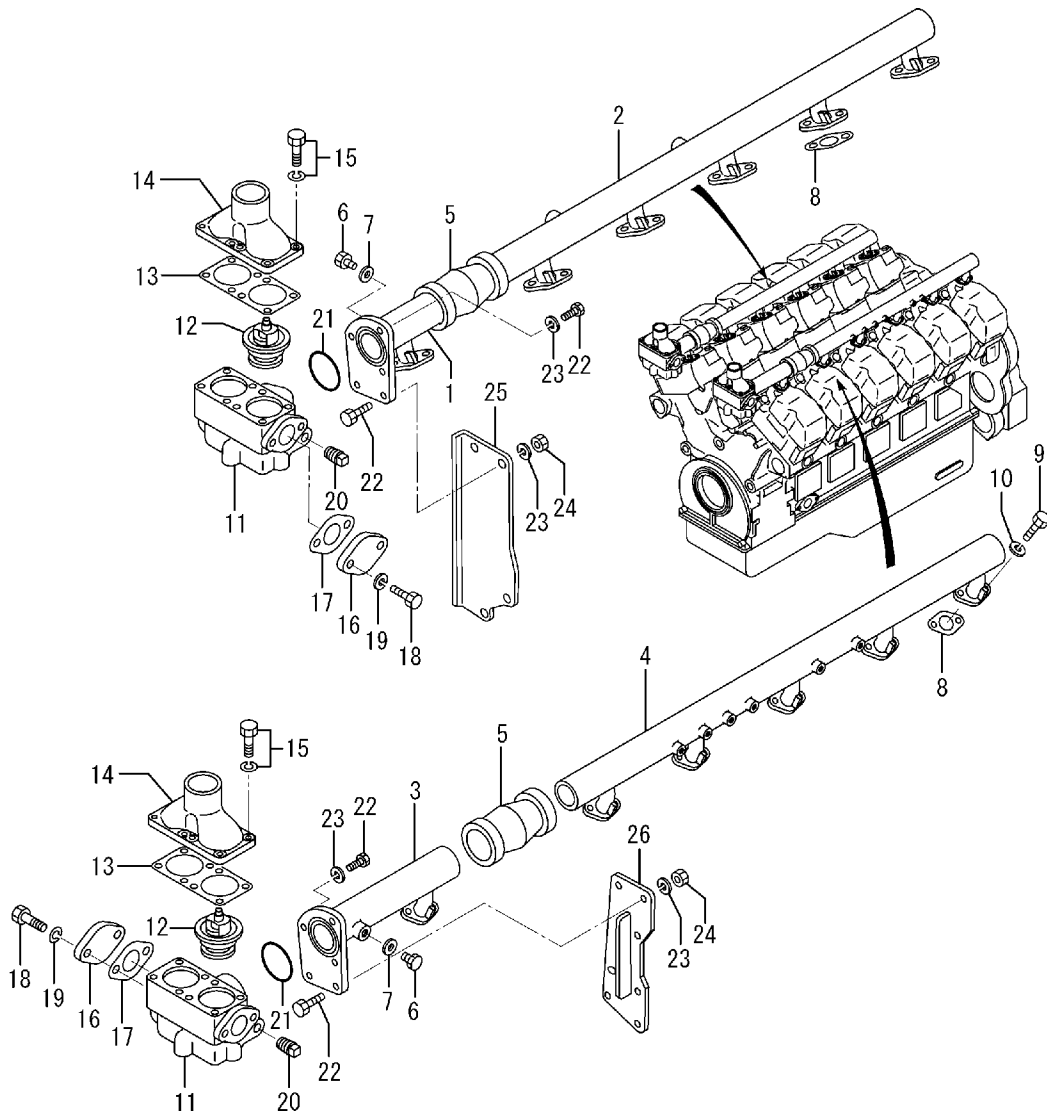
X Part is not sold separately

Exploded view diagram of a mechanical assembly, likely a pump or motor, showing various components and their assembly sequence. The diagram is divided into two main sections. The upper section shows the main assembly with components numbered 1 through 122. The lower section shows sub-assemblies and components numbered 2 through 14, 601 through 608, and 602 through 605. A dashed line indicates the assembly path. A label "SEE GROUP NO. 14" points to a specific component.

Group 45: Water Pump

Item	Part No.	Description	Qty. Var.	
			1	2
1	GM36536	Pump assembly, water	1	1
101	GM15159	Bolt w/washer	8	8
102	GM15986	Nut	1	1
103	GM36537	Key, sunk	1	1
104	GM36538	Ring, snap	1	1
105	GM36539	Elbow	1	1
106	GM36540	Bearing, ball	1	1
107	GM36541	Bearing, ball	2	2
108	GM36542	Seal, oil	1	1
109	GM31459	Connector	1	1
110	GM14558	Clamp	1	1
111	GM36543	Washer	1	1
112	GM36544	Shaft, water pump	1	1
113	GM36545	Impeller	1	1
114	GM36546	Spacer	1	1
115	GM36547	Packing	1	1
116	GM31685	Seal, unit	1	1
117	GM36548	Pulley, water pump	1	
117	GM57347	Pulley, water pump		1
118	GM36549	Case, water pump	1	
118	GM57348	Case, water pump		1
119	GM14620	Pipe, drain	1	1
120	GM36550	Cover	1	1
121	GM14622	Cock, drain	1	
121	GM57191	Cock, drain		1
122	GM36551	Seal, oil	1	1
123	GM37122	Pipe, water pump (not shown)		1
2	GM15981	Bolt w/washer	4	4
3	GM15174	Washer, plain	4	4
4	GM36552	Clamp	1	1
5	GM35975	V-belt, water pump	1	1
6	GM36554	Pulley assembly, tension	1	1
601	GM36555	Bracket, tension	1	1
602	GM36556	Plate, thrust	1	1
603	GM36557	Pulley, tension	1	1
604	GM36558	Bearing, ball	2	2
605	GM15107	Bolt	1	1
606	GM21715	Washer	1	
606	GM36363	Washer		1
607	GM36559	Ring, snap	1	1
608	GM36560	Spacer	1	1
7	GM15110	Bolt	3	3
8	GM15180	Washer, spring	3	3
9	GM36607	Washer, plain	3	3
10	GM36561	Bolt, tension	1	1
11	GM15171	Nut, jam	1	1
12	GM36562	Connector	1	1
13	GM36563	Packing	1	1
14	GM15160	Bolt w/washer	6	6

Group 46.1: Thermostat and Covers

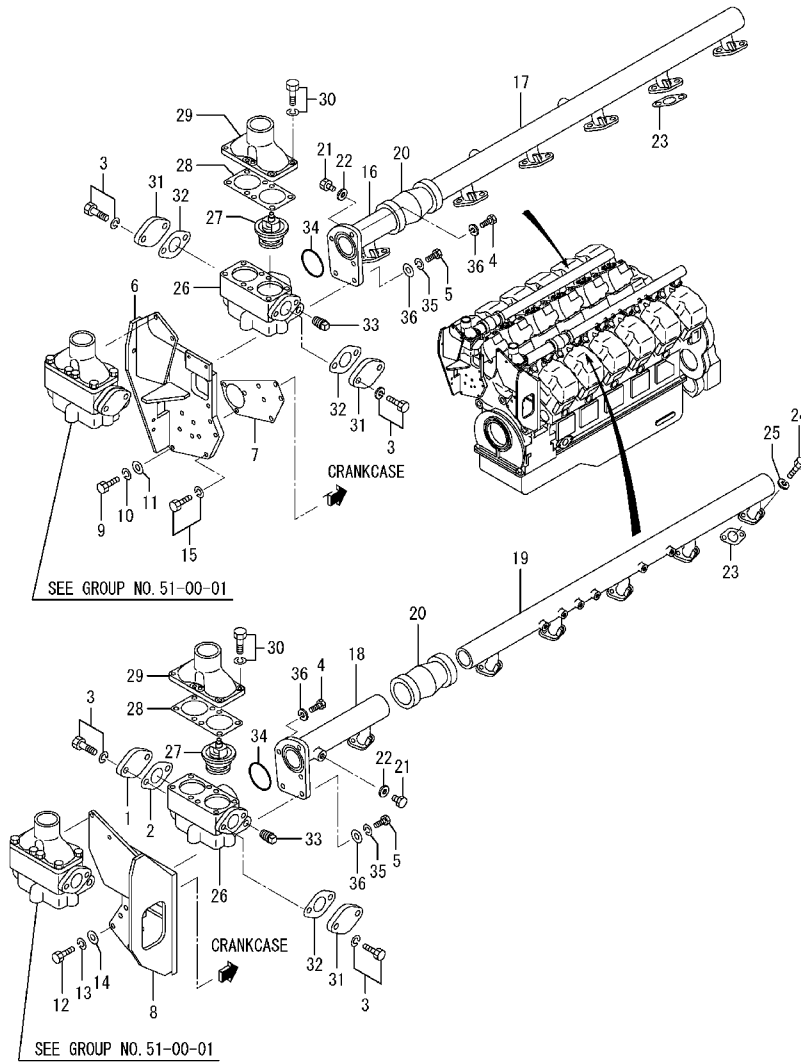


6282-46.1

Item	Part No.	Description	Qty. Var.
1	GM36564	Pipe, water outlet	1
2	GM36565	Pipe, water outlet	1
3	GM36566	Pipe, water outlet	1
4	GM36567	Pipe, water outlet	1
5	GM36568	Coupling	2
6	GM15238	Plug, screw	2
7	GM14531	Washer, sealing	2
8	GM36569	Packing	12
9	GM21147	Bolt	24
10	GM15179	Washer, spring	24
11	GM14606	Case, thermostat	2
12	GM13944	Thermostat	4
13	GM13945	Gasket, thermostat	2

Item	Part No.	Description	Qty. Var.
14	GM34234	Cover, thermo	2
15	GM15138	Bolt w/washer	16
16	GM36570	Cover	2
17	GM34235	Packing	2
18	GM15955	Bolt	8
19	GM15179	Washer, spring	8
20	GM15247	Plug, tapered	4
21	GM15205	O-ring	2
22	GM21147	Bolt	10
23	GM15179	Washer, spring	10
24	GM15164	Nut	4
25	GM36571	Stay	1
26	GM36572	Stay	1

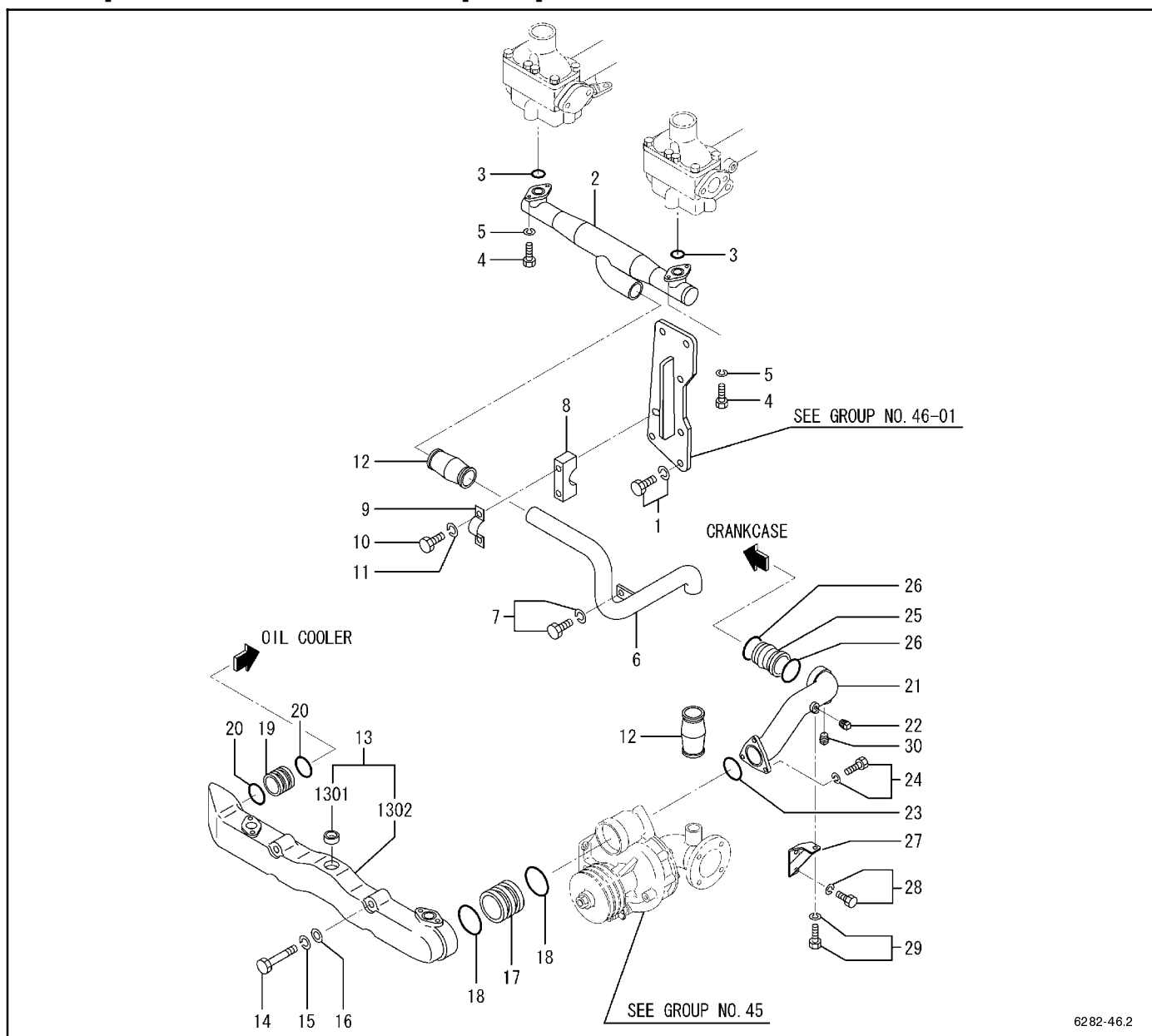
Group 46.1: Thermostat and Covers



6282-46.1_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36570	Cover	2	19	GM36567	Pipe, water outlet	1
2	GM34235	Packing	2	20	GM36568	Coupling	2
3	GM15141	Bolt	8	21	GM15238	Plug, screw	2
4	GM21147	Bolt	6	22	GM14531	Washer, sealing	2
5	GM15956	Bolt	4	23	GM36569	Packing	12
6	GM57350	Bracket, thermo	1	24	GM21147	Bolt	24
7	GM57351	Gasket	1	25	GM15179	Washer, spring	24
8	GM57352	Bracket, thermo	1	26	GM14606	Case, thermostat	2
9	GM15110	Bolt	8	27	GM13944	Thermostat	4
10	GM36363	Washer	8	28	GM13945	Gasket, thermostat	2
11	GM57353	Spacer	1	29	GM34234	Cover, thermo	2
12	GM15110	Bolt	8	30	GM15138	Bolt w/washer	16
13	GM36363	Washer	8	31	GM36570	Cover	2
14	GM57353	Spacer	3	32	GM34235	Packing	2
15	GM15140	Bolt	2	33	GM15247	Plug, tapered	4
16	GM36564	Pipe, water outlet	1	34	GM15205	O-ring	2
17	GM36565	Pipe, water outlet	1	35	GM15179	Washer, spring	10
18	GM36566	Pipe, water outlet	1	36	GM31649	Washer	5

Group 46.2: Water Pump Pipes



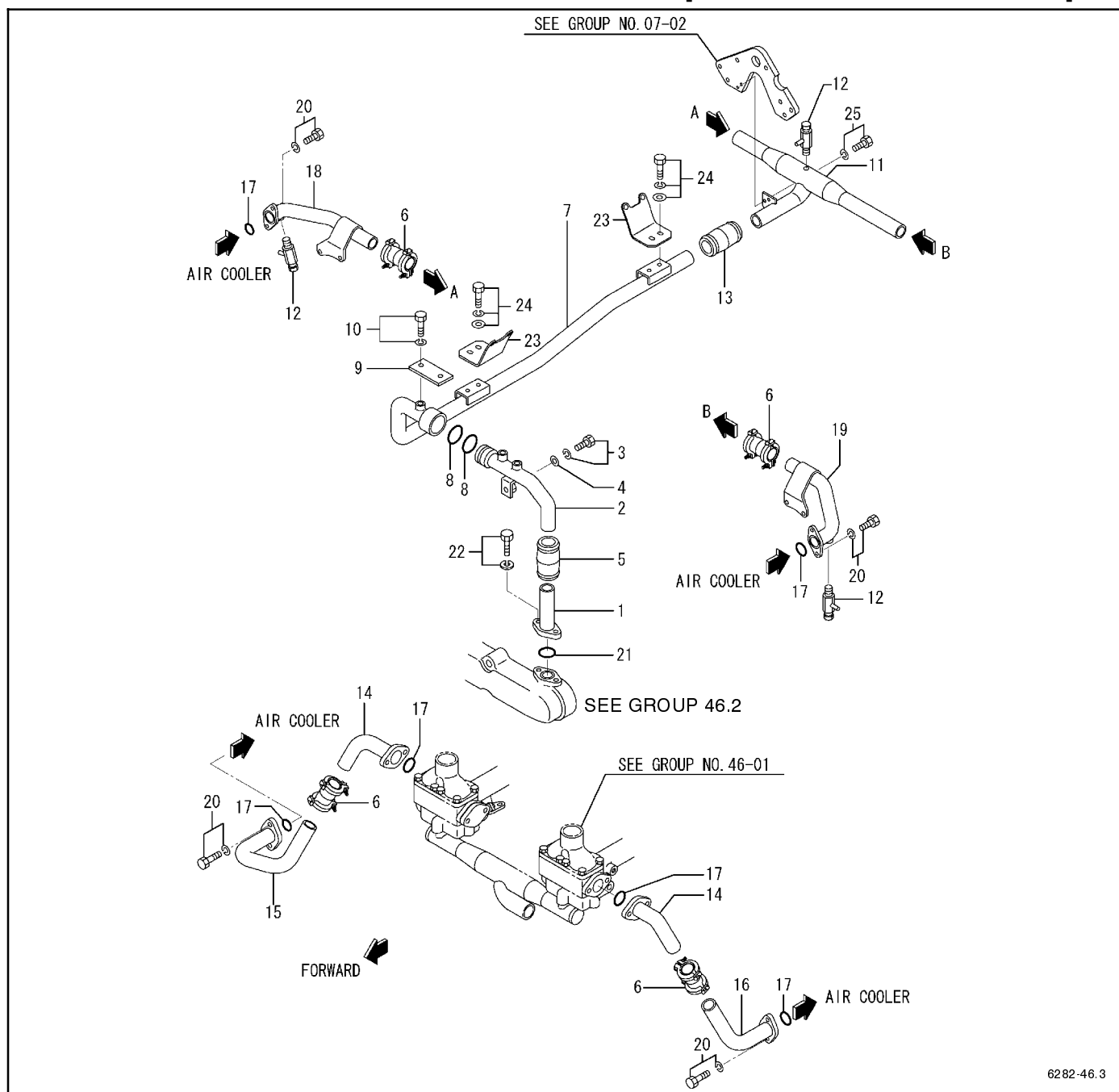
6282-46.2

Item	Part No.	Description	Qty.	
			1	2
1	GM15983	Bolt w/washer	4	
2	GM36573	Pipe	1	1
3	GM15203	O-ring	2	2
4	GM15955	Bolt	4	4
5	GM15179	Washer, spring	4	4
6	GM36574	Pipe, bypass	1	1
7	GM36453	Bolt, w/washer	1	1
8	GM36575	Bracket	1	
9	GM36576	Clamp	1	1
10	GM22092	Bolt	2	
10	GM21147	Bolt		2
11	GM15179	Washer, spring	2	2
12	GM36568	Coupling	2	2
13	GM36577	Pipe assembly, water	1	1
1301	GM14491	Cap, sealing	4	4
1302	X	Pipe, water	1	1
14	GM36578	Bolt	4	4

X Part is not sold separately

Item	Part No.	Description	Qty.	
			1	2
15	GM15180	Washer, spring	4	4
16	GM15175	Washer	4	4
17	GM36579	Joint	1	1
18	GM36580	O-ring	2	2
19	GM36508	Joint	1	1
20	GM16005	O-ring	2	2
21	GM36581	Pipe, water	1	1
22	GM15246	Plug, tapered	1	1
23	GM36582	O-ring	1	1
24	GM15159	Bolt w/washer	3	3
25	GM36508	Joint	1	1
26	GM16005	O-ring	2	2
27	GM36583	Stay	1	1
28	GM36584	Bolt, w/washer	2	2
29	GM15139	Bolt w/washer	1	1
30	GM15247	Plug, tapered	1	1

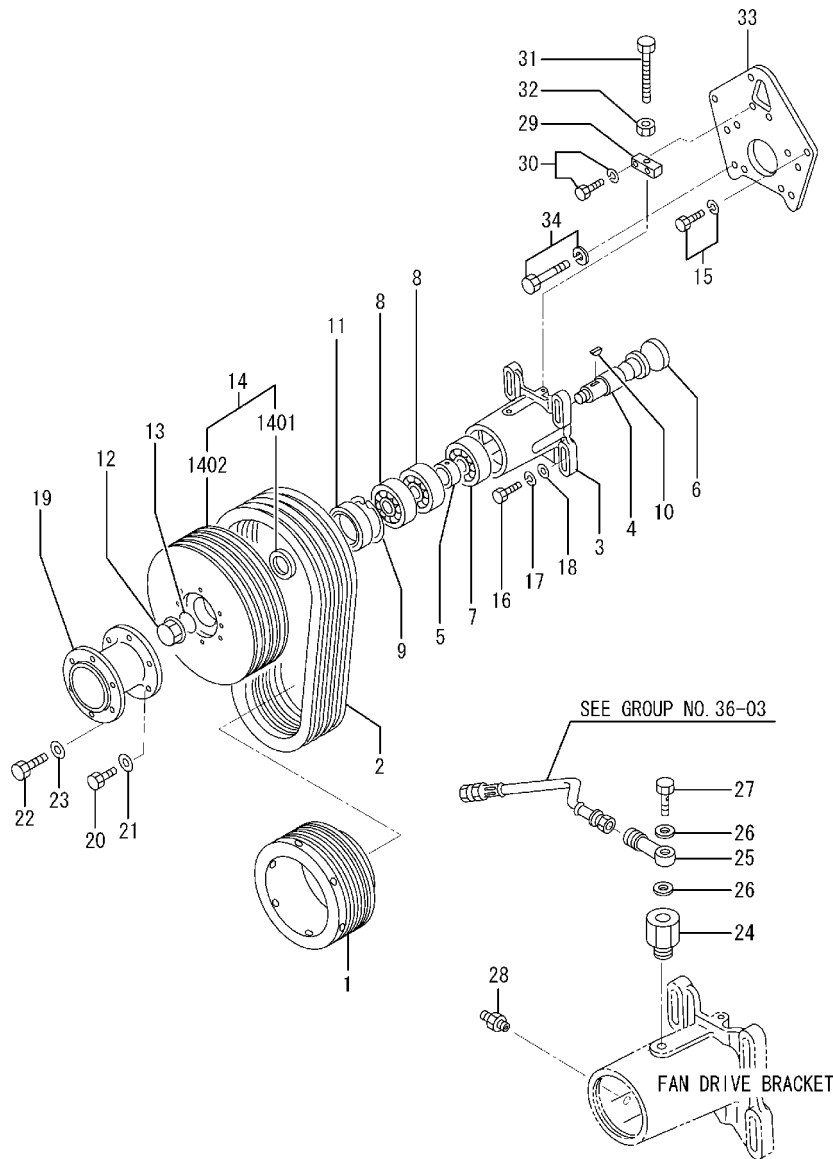
Group 46.3: Air Cooler Pipes



6282-46.3

Item	Part No.	Description	Qty. Var. 1	Item	Part No.	Description	Qty. Var. 1
1	GM36585	Pipe, water	1	14	GM36591	Pipe, water	2
2	GM36586	Pipe, water	1	15	GM36592	Pipe, water	1
3	GM15139	Bolt w/washer	1	16	GM36593	Pipe, water	1
4	GM15174	Washer, plain	1	17	GM15203	O-ring	6
5	GM14494	Coupling	1	18	GM36594	Pipe, water	1
6	GM14493	Coupling	4	19	GM36595	Pipe, water	1
7	GM36587	Pipe, water	1	20	GM15159	Bolt w/washer	8
8	GM36588	O-ring	2	21	GM16005	O-ring	1
9	GM36589	Stay	1	22	GM36395	Bolt, w/washer	2
10	GM15140	Bolt w/washer	2	23	GM36596	Plate	2
11	GM36590	Pipe, water	1	24	GM15154	Bolt w/washer	4
12	GM21660	Valve, drain	3	25	GM15975	Bolt w/washer	2
13	GM14494	Coupling	1				

Group 48: Fan Drive



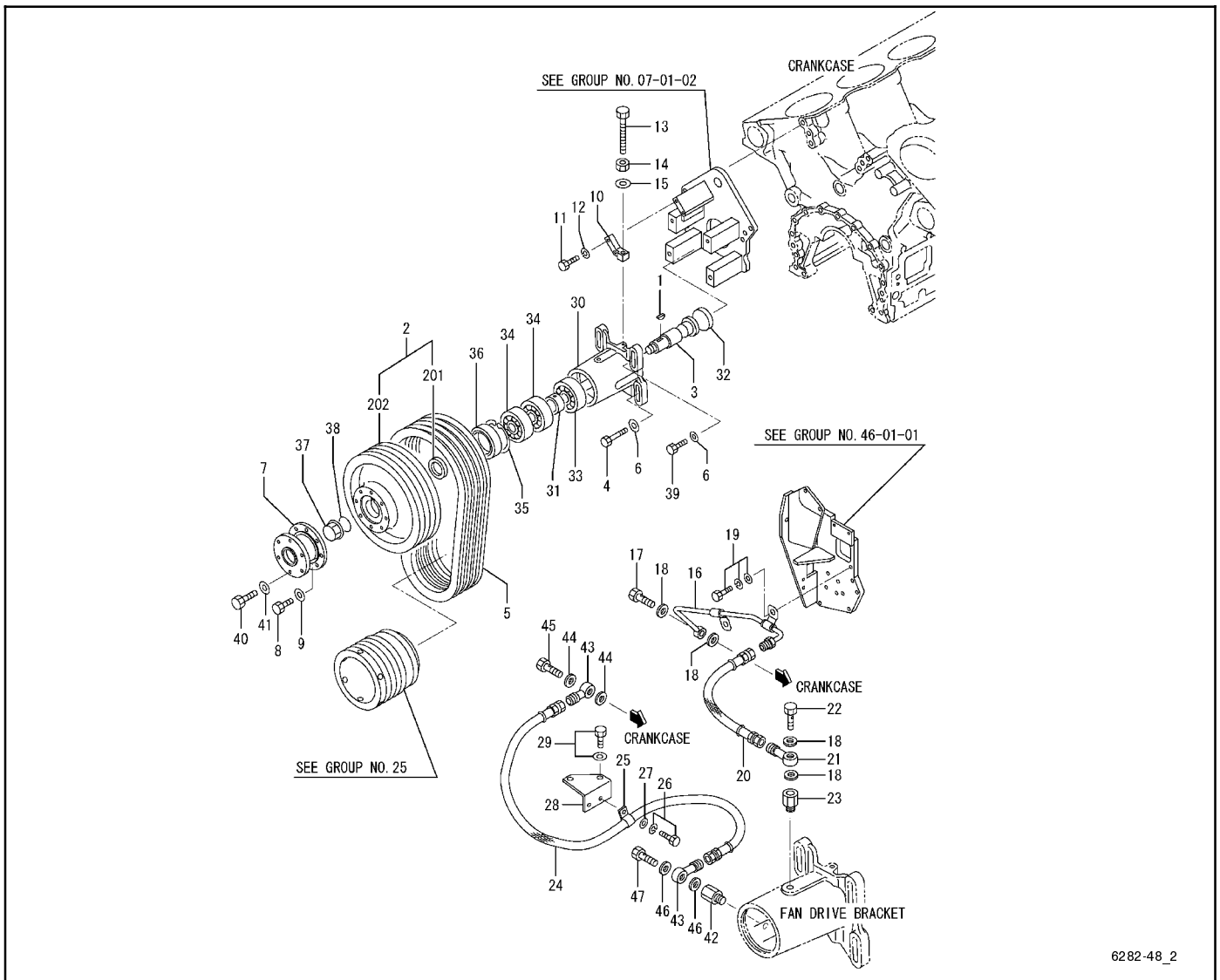
6282-48

Item	Part No.	Description	Qty. Var.
1	GM36597	Pulley, fan drive	1
2	GM36598	V-belt, fan drive	1
3	GM36599	Bracket	1
4	GM36600	Shaft	1
5	GM36601	Spacer	1
6	GM15567	Cap, sealing	1
7	GM16039	Bearing, ball	1
8	GM36602	Bearing, ball	2
9	GM36603	Ring, snap	1
10	GM15997	Key, woodruff	1
11	GM36604	Seal, oil	1
12	GM34244	Nut, cap	1
13	GM14516	O-ring	1
14	GM36605	Pulley assembly, fan	1
1401	GM15568	Sleeve	1
1402	X	Pulley, fan	1
15	GM36445	Bolt, w/washer	2
16	GM36606	Bolt	2
17	GM15180	Washer, spring	2
18	GM36607	Washer, plain	4

Item	Part No.	Description	Qty. Var.
19	GM36608	Spacer, fan	1
20	GM36609	Bolt	6
21	GM34246	Washer	6
22	GM15112	Bolt	6
23	GM34246	Washer	6
24	GM36610	Connector	1
25	GM36611	Joint	1
26	GM14528	Washer, sealing	2
27	GM15233	Bolt, eye	1
28	GM36612	Connector	1
29	GM36613	Bracket, adjusting	1
30	GM15981	Bolt w/washer	2
31	GM14624	Bolt	1
32	GM15165	Nut	1
33	GM36614	Spacer	1
34	GM36445	Bolt, w/washer	2

X Part is not sold separately

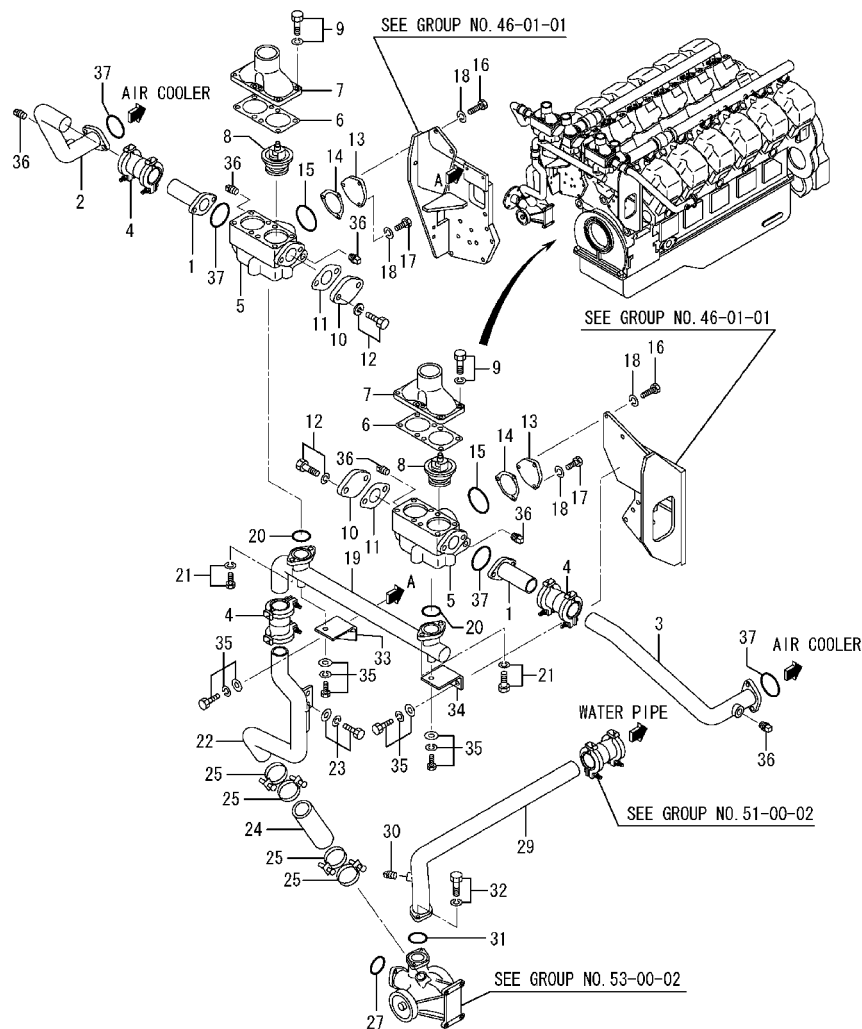
Group 48: Fan Drive



6282-48_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM57354	Key, sunk	1	24	GM36496	Pipe, flexible	1
2	GM57355	Pulley, assembly, fan	1	25	GM36497	Clip	1
201	GM15568	Sleeve	1	26	GM15139	Bolt w/washer	1
202	GM57356	Pulley, fan	1	27	GM15174	Washer, plain	1
3	GM57357	Shaft, fan drive	1	28	GM57363	Stay, pipe oil drain	1
4	GM57358	Bolt	2	29	GM15158	Bolt	2
5	GM36598	V-belt, fan drive	1	30	GM36599	Bracket	1
6	GM34246	Washer	4	31	GM36601	Spacer	1
7	GM34245	Spacer, fan	1	32	GM15567	Cap, sealing	1
8	GM36609	Bolt	8	33	GM16039	Bearing, ball	1
9	GM34246	Washer	8	34	GM36602	Bearing, ball	2
10	GM57359	Bracket, adjusting	1	35	GM36603	Ring, snap	1
11	GM15956	Bolt	2	36	GM36604	Seal, oil	1
12	GM15179	Washer, spring	2	37	GM34244	Nut, cap	1
13	GM57360	Bolt	1	38	GM14516	O-ring	1
14	GM34103	Nut, jam	2	39	GM36606	Bolt	2
15	GM34246	Washer	1	40	GM15112	Bolt	8
16	GM57361	Pipe, oil fan drive	1	41	GM34246	Washer	8
17	GM36484	Bolt, eye	1	42	GM57364	Connector	1
18	GM14528	Washer, sealing	4	43	GM36611	Joint	2
19	GM15153	Bolt	2	44	GM14528	Washer, sealing	2
20	GM57362	Pipe, flexible	1	45	GM15233	Bolt, eye	1
21	GM36611	Joint	1	46	GM14530	Washer, sealing	2
22	GM15233	Bolt, eye	1	47	GM15234	Bolt, eye	1
23	GM36610	Connector	1				

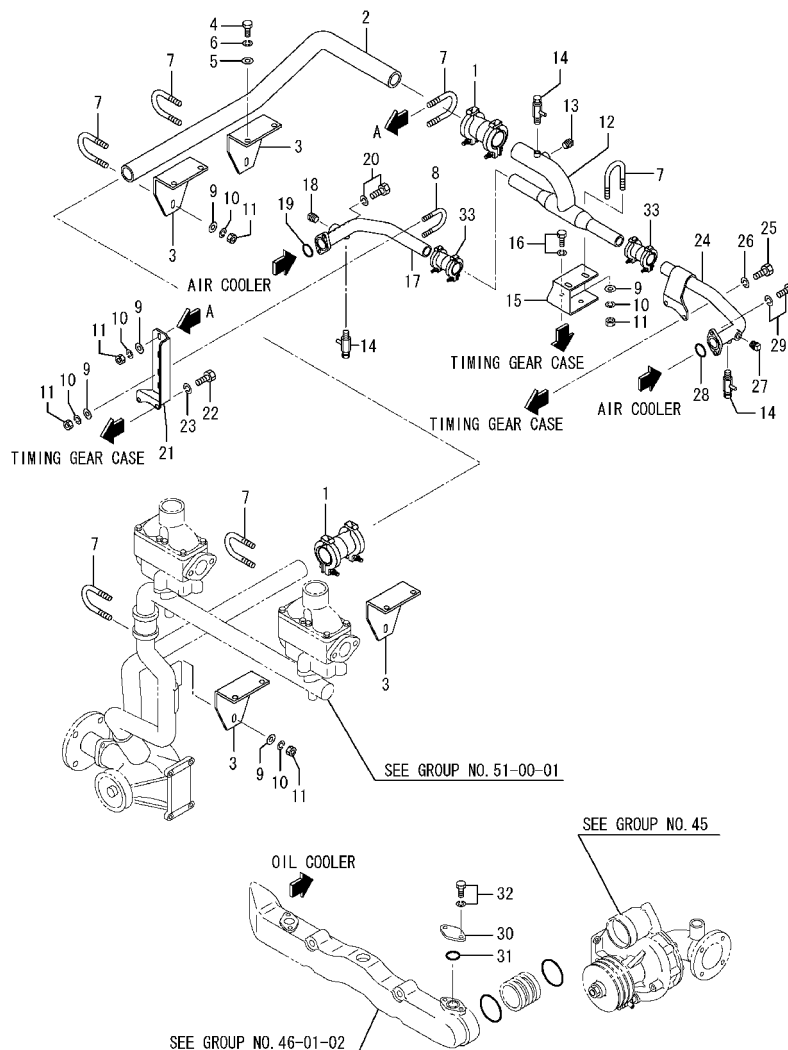
Group 51.1: Intercooler Thermostat



6282-51.1

Item	Part No.	Description	Qty. Var. 1	Item	Part No.	Description	Qty. Var. 1
1	TBD	Pipe, water	2	19	GM57893	Pipe, bypass	1
2	GM57889	Pipe, water	1	20	GM15203	O-ring	2
3	GM57890	Pipe, water	1	21	GM15141	Bolt	4
4	GM21604	Coupling	3	22	GM57894	Pipe, bypass	1
5	GM14606	Case, thermostat	2	23	GM15153	Bolt	1
6	GM13945	Gasket, thermostat	2	24	GM57252	Hose, rubber	1
7	GM34234	Cover, thermo	2	25	GM57250	Clamp	4
8	GM57251	Thermostat	4	27	GM36582	O-ring	1
9	GM15138	Bolt w/washer	16	29	GM57895	Pipe, water pump	1
10	GM36570	Cover	2	30	GM15247	Plug, tapered	1
11	GM34235	Packing	2	31	GM36582	O-ring	1
12	GM15141	Bolt	4	32	GM15151	Bolt	2
13	GM57891	Cover	2	33	GM57896	Stay, thermo	1
14	GM57892	Packing	2	34	GM57897	Stay, thermo	1
15	GM15205	O-ring	2	35	GM15154	Bolt	6
16	GM15956	Bolt	4	36	GM15247	Plug, tapered	6
17	GM15955	Bolt	2	37	GM15203	O-ring	4
18	GM15179	Washer, spring	6				

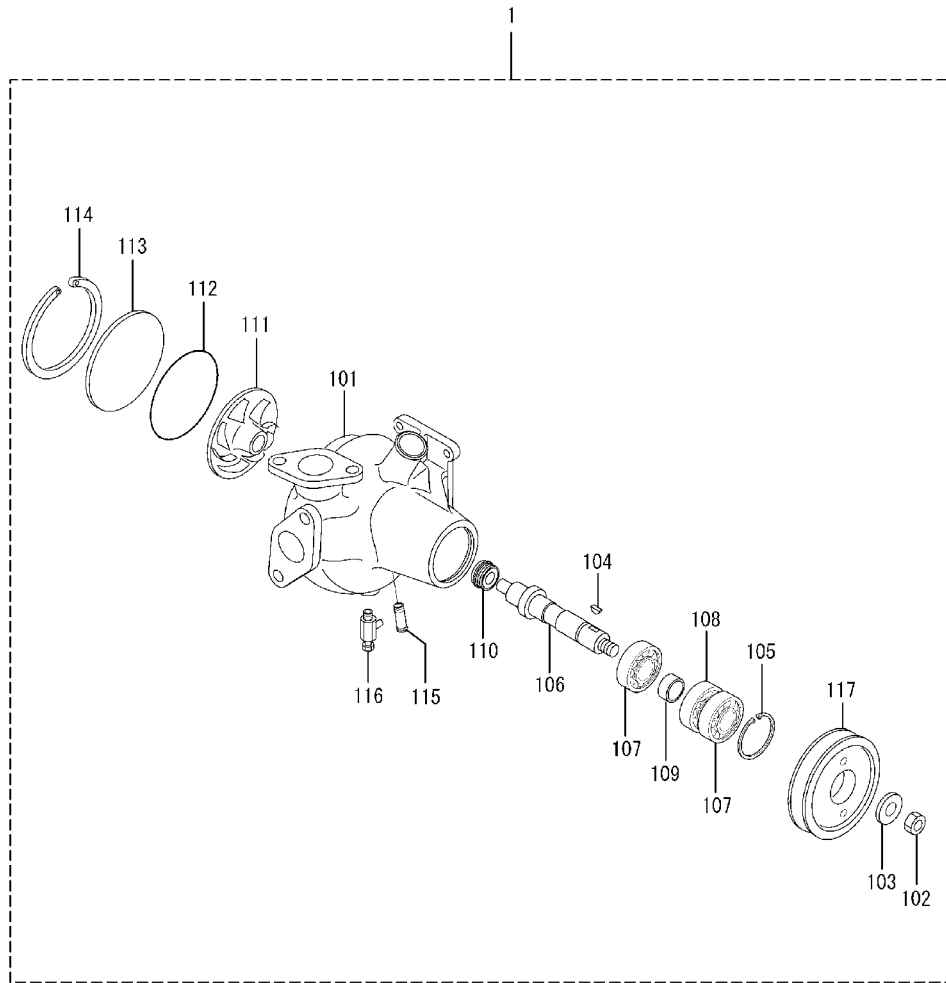
Group 51.2: Intercooler Piping



6282-51.2

Item	Part No.	Description	Qty. Var. 1	Item	Part No.	Description	Qty. Var. 1
1	GM36568	Coupling	2	17	GM57905	Pipe, water	1
2	GM57898	Pipe, water	1	18	GM16033	Plug	1
3	GM57899	Stay, pipe	4	19	GM15203	O-ring	1
4	GM36621	Bolt	8	20	GM15159	Bolt w/washer	2
5	GM15174	Washer, plain	8	21	GM57906	Stay, pipe	1
6	GM15179	Washer, spring	8	22	GM15116	Bolt	2
7	GM57900	U-bolt	6	23	GM15180	Washer, spring	2
8	GM57901	U-bolt	1	24	GM57907	Pipe, water	1
9	GM15174	Washer, plain	14	25	GM15116	Bolt	2
10	GM15179	Washer, spring	14	26	GM15180	Washer, spring	2
11	GM57902	Nut	14	27	GM16033	Plug	1
12	GM57903	Pipe, water	1	28	GM15203	O-ring	1
13	GM16033	Plug	1	29	GM15159	Bolt w/washer	2
14	GM57237	Cock, water drain	3	30	GM57908	Cover	1
15	GM57904	Stay, pipe	1	31	GM16005	O-ring	1
16	GM15150	Bolt	2	32	GM36395	Bolt, w/washer	2
				33	GM21604	Coupling	2

Group 53.2: Intercooler Pump Assembly

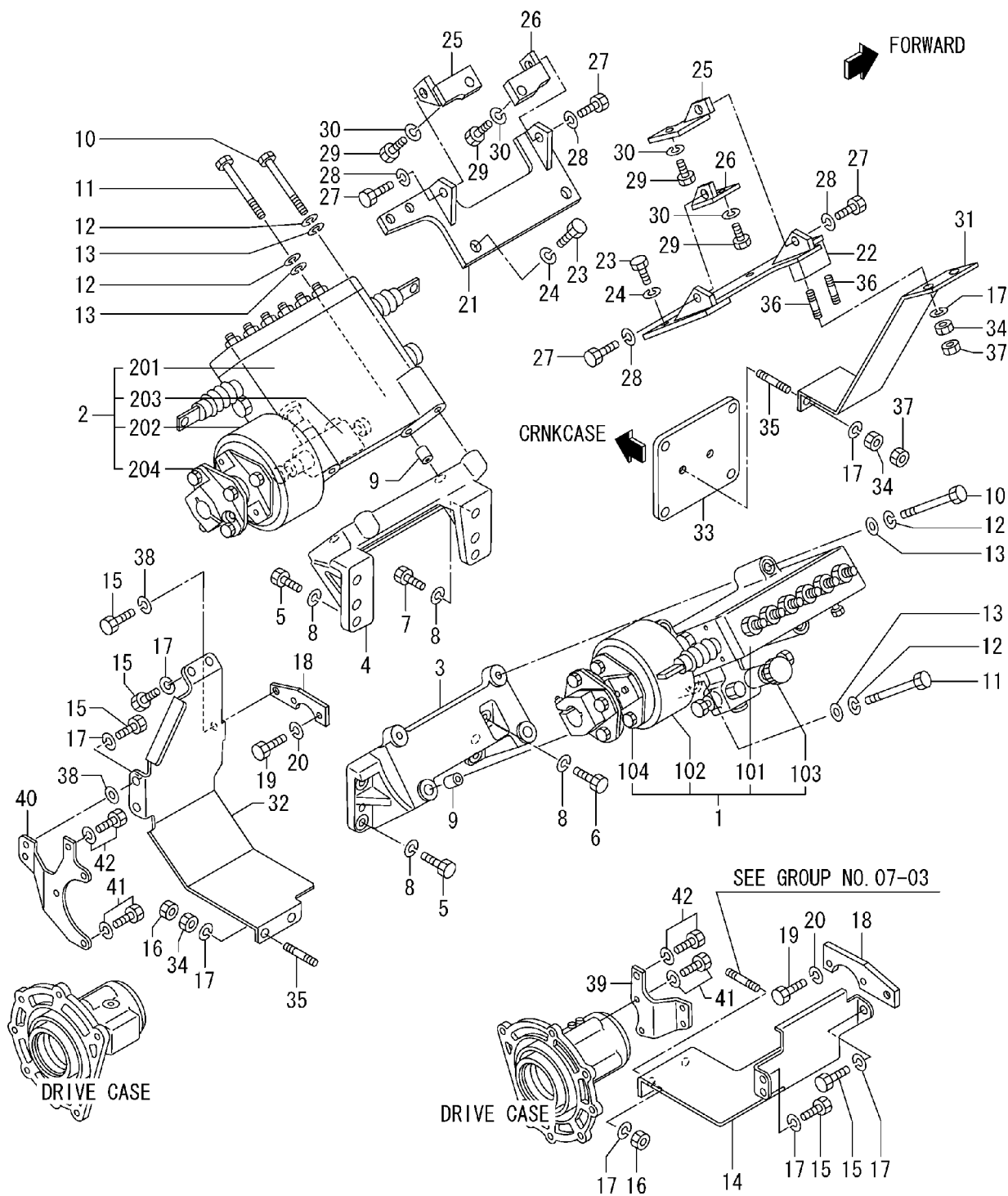


6282-53.2

Item	Part No.	Description	Qty. Var. 1
1	GM57488	Pump assembly, water	1
101	GM57489	Case	2
102	GM57490	Nut	1
103	GM57491	Washer	1
104	GM57492	Key	1
105	GM57493	Ring, snap	1
106	X	Shaft	1
107	X	Bearing, ball	1
108	X	Bearing, ball	1

Item	Part No.	Description	Qty. Var. 1
109	X	Spacer	1
110	GM57496	Seal, unit	1
111	X	Impeller	1
112	GM57497	O-ring	1
113	GM57498	Cover	1
114	GM57499	Ring, snap	1
115	GM37122	Pipe	1
116	GM57237	Cock, water drain	1
117	X	Pulley	1

Group 61.1: Fuel Injection Pump



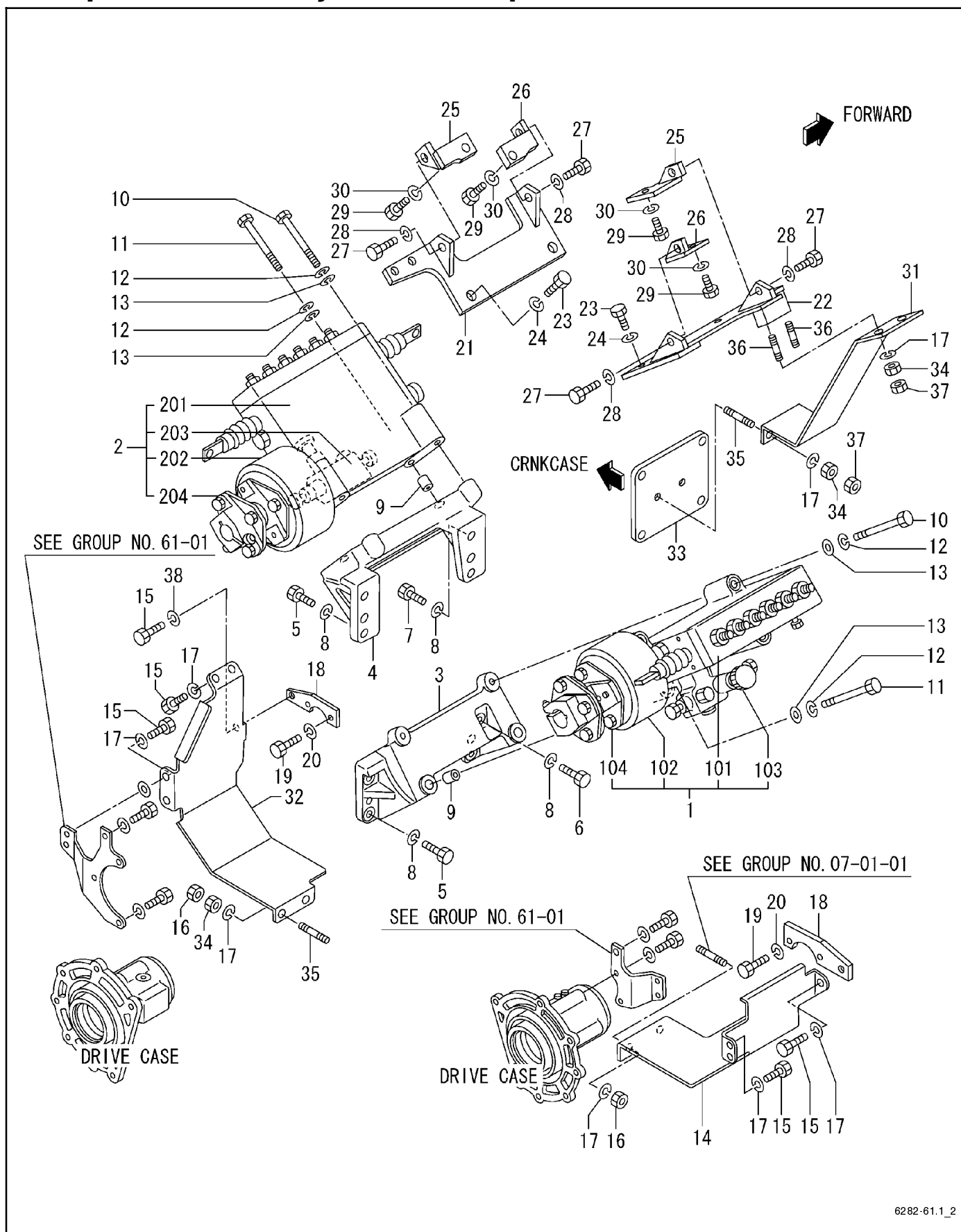
6282-61.1

Group 61.1: Fuel Injection Pump

Item	Part No.	Description	Qty.
			Var. 1
1	GM36615	Pump assembly, injection	1
101	X	Pump assembly, injection	1
102	GM36867	Coupling	1
103	GM36617	Pump, feed	1
104	GM36618	Coupling assembly	1
2	GM36616	Pump assembly, injection	1
201	X	Pump assembly, injection	1
202	GM36867	Coupling	1
203	GM36617	Pump, feed	1
204	GM36618	Coupling assembly	1
3	GM36619	Bracket, injection pump	1
4	GM36620	Bracket, injection pump	1
5	GM15129	Bolt	6
6	GM36621	Bolt	1
7	GM36622	Bolt	1
8	GM15179	Washer, spring	8
9	GM36623	Pin	4
10	GM36624	Bolt	4
11	GM36625	Bolt	4
12	GM15179	Washer, spring	8
13	GM15174	Washer, plain	8
14	GM36626	Cover coupling	1
15	GM36474	Bolt	8
16	GM15164	Nut	4
17	GM15179	Washer, spring	16
18	GM36627	Stay	2
19	GM36628	Bolt	4
20	GM15177	Washer, spring	4
21	GM36629	Stay, injection pump	1
22	GM36630	Stay, injection pump	1
23	GM36631	Bolt	4
24	GM15181	Washer, spring	4
25	GM36632	Stay	2
26	GM36633	Stay	2
27	GM15109	Bolt	4
28	GM15180	Washer, spring	4
29	GM36634	Bolt	4
30	GM15179	Washer, spring	4
31	GM36635	Plate, tamper	1
32	GM36636	Plate, tamper	1
33	GM36637	Cover, side	1
34	GM36638	Nut	6
35	GM36639	Stud	4
36	GM36338	Stud	2
37	GM15164	Nut	5
38	GM15173	Washer, plain	1
39	GM36640	Stay, cover	1
40	GM36641	Stay, cover	1
41	GM15975	Bolt w/washer	5
42	GM15140	Bolt w/washer	2

X Part is not sold separately

Group 61.1: Fuel Injection Pump, continued

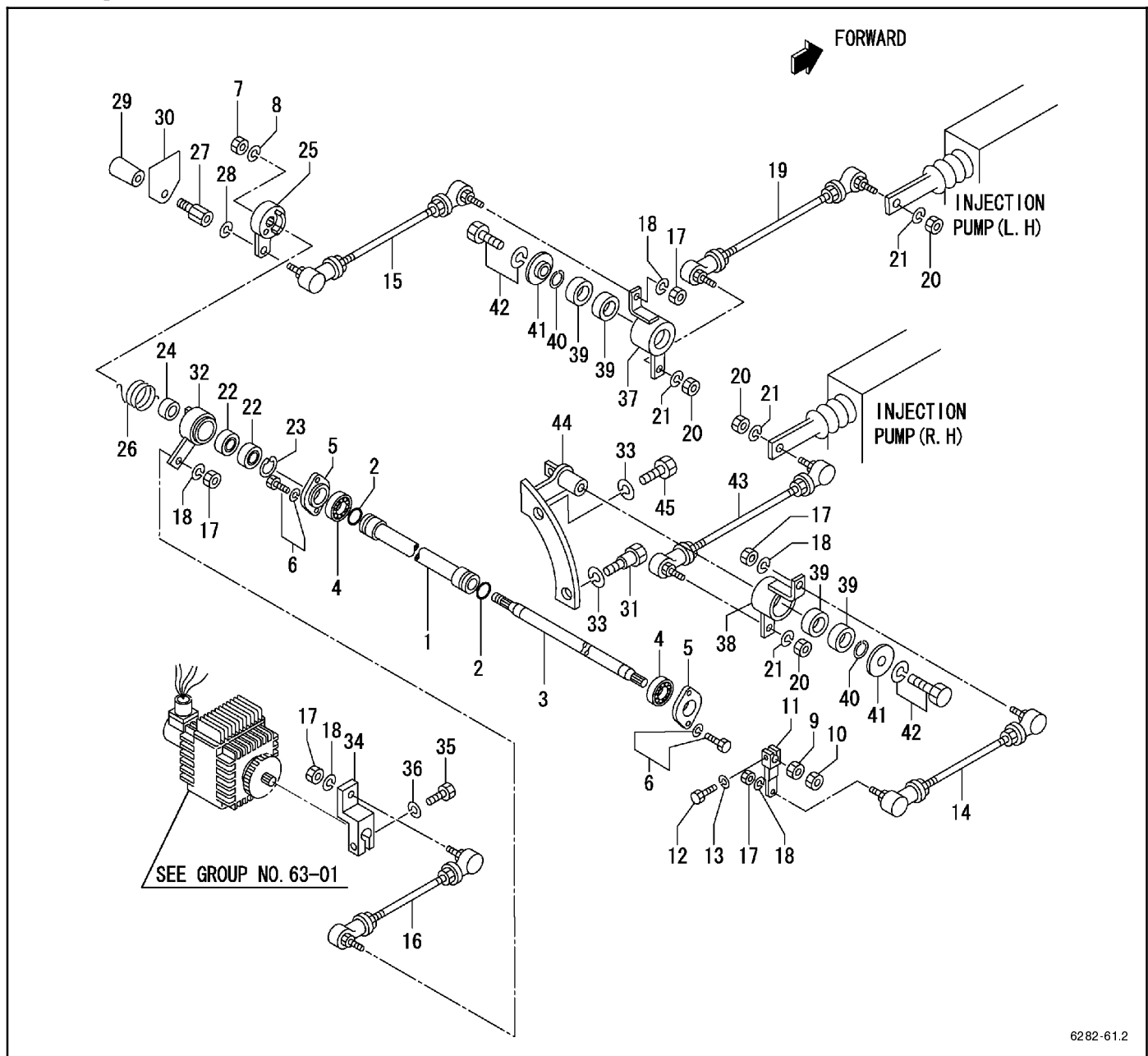


6282-61.1_2

Group 61.1: Fuel Injection Pump, continued

Item	Part No.	Description	Qty.
			Var. 2
1	GM57365	Pump assembly, injection	1
101	X	Pump assembly, injection	1
102	GM36867	Coupling	1
103	GM36617	Pump, feed	1
104	GM36618	Coupling assembly	1
2	GM57366	Pump assembly, injection	1
201	X	Pump assembly, injection	1
202	GM36867	Coupling	1
203	GM36617	Pump, feed	1
204	GM36618	Coupling assembly	1
3	GM36619	Bracket, injection pump	1
4	GM36620	Bracket, injection pump	1
5	GM15129	Bolt	6
6	GM36621	Bolt	1
7	GM36622	Bolt	1
8	GM15179	Washer, spring	8
9	GM36623	Pin	4
10	GM36624	Bolt	4
11	GM36625	Bolt	4
12	GM15179	Washer, spring	8
13	GM15174	Washer, plain	8
14	GM36626	Cover coupling	1
15	GM36474	Bolt	8
16	GM15164	Nut	4
17	GM15179	Washer, spring	16
18	GM36627	Stay	2
19	GM36628	Bolt	4
20	GM15177	Washer, spring	4
21	GM36629	Stay, injection pump	1
22	GM36630	Stay, injection pump	1
23	GM36631	Bolt	4
24	GM15181	Washer, spring	4
25	GM36632	Stay	2
26	GM36633	Stay	2
27	GM15109	Bolt	4
28	GM15180	Washer, spring	4
29	GM36634	Bolt	4
30	GM15179	Washer, spring	4
31	GM36635	Plate, tamper	1
32	GM36636	Plate, tamper	1
33	GM36637	Cover, side	1
34	GM36638	Nut	6
35	GM36639	Stud	4
36	GM36338	Stud	2
37	GM15164	Nut	5

Group 61.2: Control Shaft

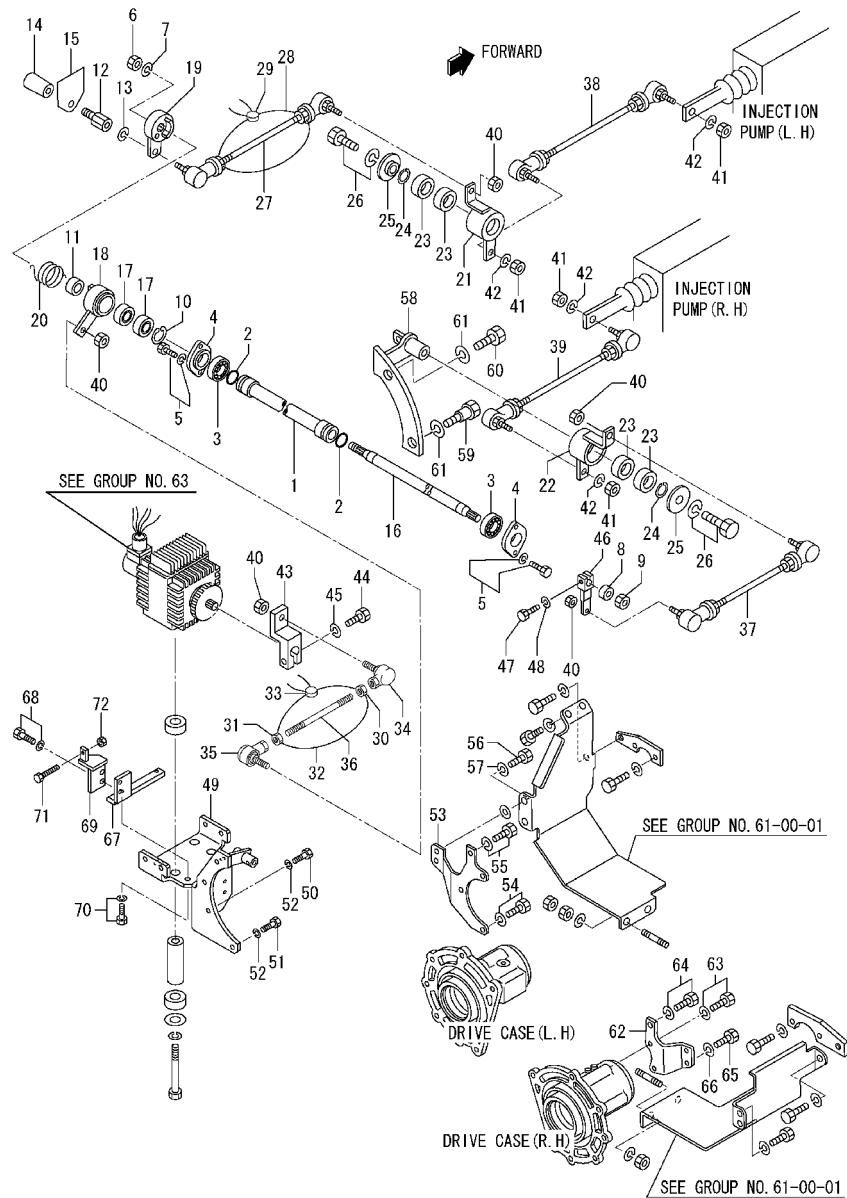


6282-61.2

Group 61.2: Control Shaft

Item	Part No.	Description	Qty.
			Var. 1
1	GM36642	Pipe, case	1
2	GM14508	O-ring	2
3	GM36643	Shaft, control	1
4	GM36644	Bearing, ball	2
5	GM14913	Cover	2
6	GM15137	Bolt w/washer	4
7	GM22119	Nut, self-locking	1
8	GM15179	Washer, spring	1
9	GM21907	Spacer	1
10	GM21908	Nut, lock	1
11	GM36645	Lever, control	1
12	GM36646	Bolt, locking wire	1
13	GM15178	Washer, spring	1
14	GM36647	Link, control	1
15	GM36648	Link, control	1
16	GM36649	Link, control	1
17	GM15163	Nut	5
18	GM15178	Washer, spring	5
19	GM36650	Link, control	1
20	GM15162	Nut	4
21	GM15177	Washer, spring	4
22	GM31477	Bearing, ball	2
23	GM15220	Ring, snap	1
24	GM15088	Spacer	1
25	GM36651	Lever	1
26	GM36652	Spring	1
27	GM14617	Connector	1
28	GM15178	Washer, spring	1
29	GM14474	Grip	1
30	GM36653	Plate, caution	1
31	GM36654	Bolt, reamer	1
32	GM36655	Lever	1
33	GM15180	Washer, spring	2
34	GM36656	Lever, actuator	1
35	GM36646	Bolt, locking wire	1
36	GM15178	Washer, spring	1
37	GM36657	Lever	1
38	GM36658	Lever	1
39	GM36659	Bearing, ball	4
40	GM16017	Ring, snap	2
41	GM14608	Plate, end	2
42	GM15144	Bolt w/washer	2
43	GM36660	Link, control	1
44	GM36661	Stay	1
45	GM36944	Bolt	1

Group 61.2: Control Shaft, continued

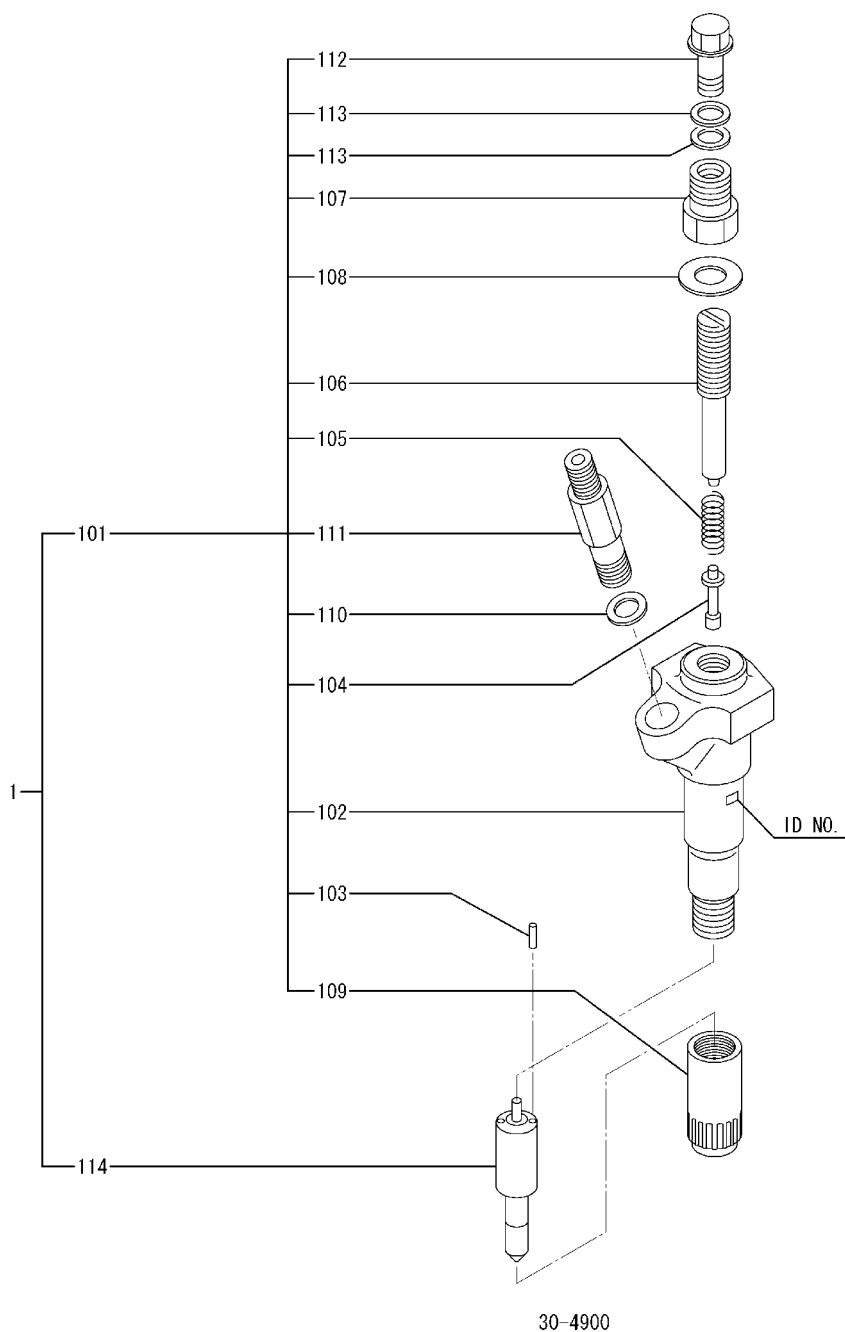


6282-61.2_2

Group 61.2: Control Shaft, continued

Item	Part No.	Description	Qty.
			Var. 2
1	GM36642	Pipe, case	1
2	GM34256	O-ring	2
3	GM36644	Bearing, ball	2
4	GM14913	Cover	2
5	GM15137	Bolt w/washer	4
6	GM22119	Nut, self-locking	1
7	GM15179	Washer, spring	1
8	GM21907	Spacer	1
9	GM21908	Nut, lock	1
10	GM15220	Ring, snap	1
11	GM15088	Spacer	1
12	GM14617	Connector	1
13	GM15178	Washer, spring	1
14	GM14474	Grip	1
15	GM15860	Plate, caution	1
16	GM36643	Shaft, control	1
17	GM57289	Bearing, ball	2
18	GM36655	Lever	1
19	GM36651	Lever	1
20	GM36652	Spring	1
21	GM36657	Lever	1
22	GM36658	Lever	1
23	GM57373	Bearing, ball	4
24	GM16017	Ring, snap	2
25	GM14608	Plate, end	2
26	GM15144	Bolt	2
27	GM57374	Link, control	1
28	GM14463	Wire, seal	1
29	GM15001	Seal	1
30	GM31473	Nut, lock	1
31	GM34252	Nut, lock	1
32	GM14463	Wire, seal	1
33	GM15001	Seal	1
34	GM21676	Joint, ball	1
35	GM21677	Joint, ball	1
36	GM21626	Bolt	1
37	GM36647	Link, control	1
38	GM36650	Link, control	1
39	GM36660	Link, control	1
40	GM31420	Nut, self locking	5
41	GM15162	Nut	4
42	GM15177	Washer, spring	4
43	GM36656	Lever, actuator	1
44	GM36646	Bolt, locking wire	1
45	GM15178	Washer, spring	1
46	GM36645	Lever, control	1
47	GM36646	Bolt, locking wire	1
48	GM15178	Washer, spring	1
49	GM36943	Bracket	1
50	GM36654	Bolt, reamer	1
51	GM36944	Bolt	3
52	GM15180	Washer, spring	4
53	GM57375	Stay, cover	1
54	GM15975	Bolt w/washer	3
55	GM15140	Bolt	1
56	GM36474	Bolt	2
57	GM15179	Washer, spring	2
58	GM36661	Stay	1
59	GM36654	Bolt, reamer	1
60	GM36944	Bolt	1
61	GM15180	Washer, spring	2
62	GM36640	Stay, cover	1
63	GM15975	Bolt w/washer	2
64	GM15140	Bolt	1
65	GM36474	Bolt	2
66	GM15179	Washer, spring	2
67	GM57376	Bracket, stopper	1
68	GM15141	Bolt	2
69	GM36946	Bracket, stopper	1
70	GM15141	Bolt	2
71	GM36947	Bolt	1
72	GM15163	Nut	1

Group 61.3: Injector Nozzle Assembly



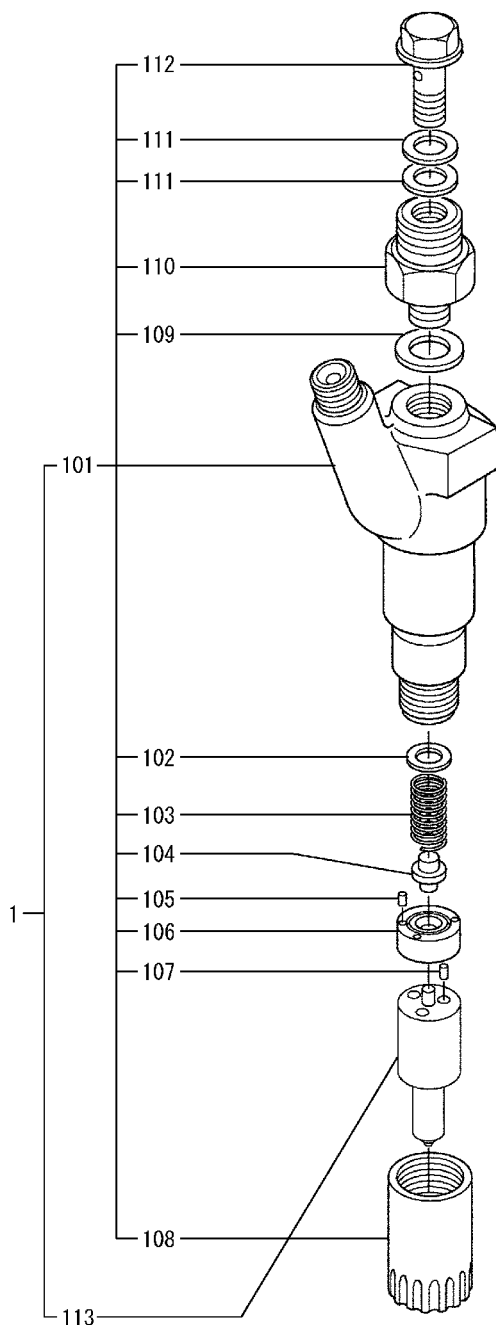
6282-61.3

Item	Part No.	Description	Qty. Var.
1	GM36662	Nozzle assembly	12
101	GM36663	Holder assembly, nozzle	12
102	X	Body	12
103	GM36664	Pin, pressure	24
104	GM36665	Rod, push	12
105	GM36666	Spring, nozzle	12
106	GM36667	Screw, adjusting	12
107	GM36668	Nut, cap	12

Item	Part No.	Description	Qty. Var.
108	GM36669	Gasket	12
109	GM36670	Nut, retaining	12
110	GM36671	Gasket	12
111	GM36672	Connector, inlet	12
112	GM36673	Bolt, eye	12
113	GM36674	Gasket	24
114	GM35977	Tip assembly, nozzle	12

X Part is not sold separately

Group 61.3: Injector Nozzle Assembly



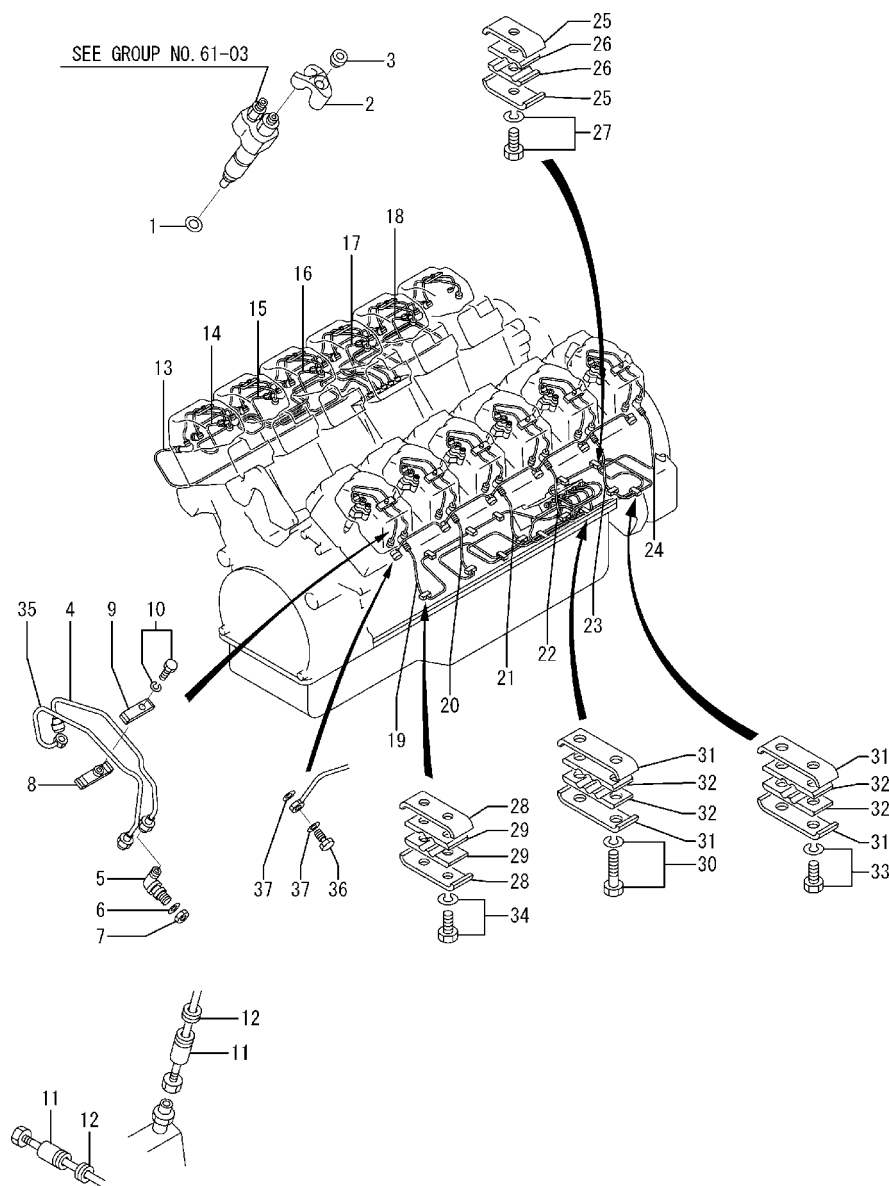
6282-61.3_2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM57398	Nozzle assembly	12	104	GM57409	Rod, push	12
101	GM57399	Holder assembly, nozzle	12	105	GM57410	Pin	24
102	GM57400	Shim, T=0.40	AR	106	GM57411	Spacer	12
102	GM57401	Shim, T=0.50	AR	107	GM36664	Pin, pressure	24
102	GM57402	Shim, T=0.52	AR	108	GM57412	Nut, retaining	12
102	GM57403	Shim, T=0.54	AR	109	GM57413	Gasket	12
102	GM57404	Shim, T=0.56	AR	110	GM57414	Connector	12
102	GM57405	Shim, T=0.58	AR	111	GM36674	Gasket	24
102	GM57406	Shim, T=0.60	AR	112	GM36673	Bolt, eye	12
102	GM57407	Shim, T=0.70	AR	113	GM57415	Tip assembly, nozzle	12
103	GM57408	Spring, nozzle	12				

X Part is not sold separately

AR As Required

Group 61.4: Fuel Injection Pipes

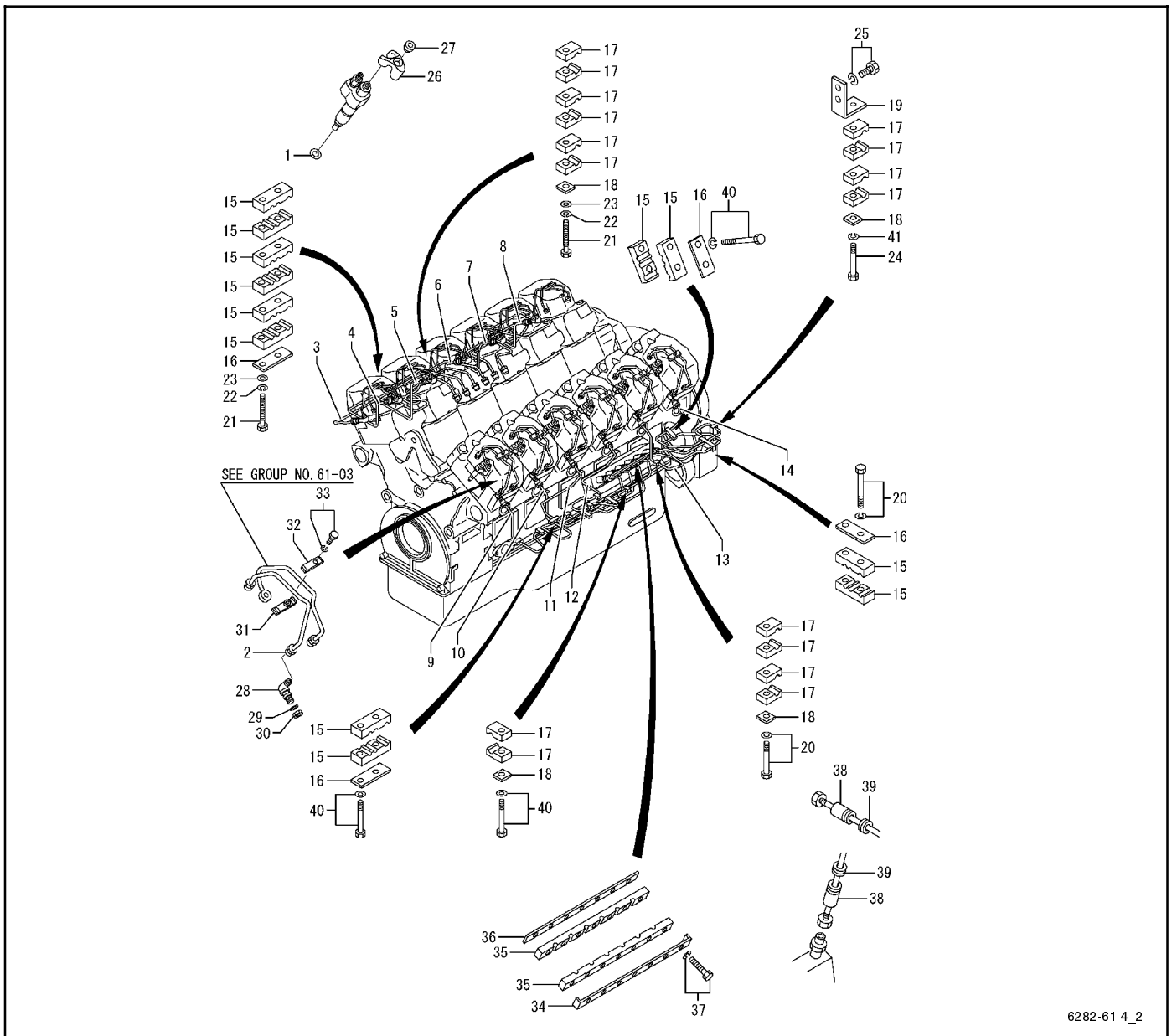


6282-61.4

Item	Part No.	Description	Qty. Var.
1	GM35818	Gasket, nozzle	12
2	GM36676	Gland, nozzle	12
3	GM36677	Washer	12
4	GM36678	Pipe, injection	12
5	GM36679	L-joint	12
6	GM36680	O-ring	12
7	GM36681	Nut	12
8	GM36682	Clamp	12
9	GM36683	Clamp	12
10	GM15976	Bolt w/washer	12
11	GM36684	Cover	24
12	GM36685	Holder	24
13	GM36686	Pipe, injection, no. 1	1
14	GM36687	Pipe, injection, no. 2	1
15	GM36688	Pipe, injection, no. 3	1
16	GM36689	Pipe, injection, no. 4	1
17	GM36690	Pipe, injection, no. 5	1
18	GM36691	Pipe, injection, no. 6	1
19	GM36692	Pipe, injection, no. 7	1

Item	Part No.	Description	Qty. Var.
20	GM36693	Pipe, injection, no. 8	1
21	GM36694	Pipe, injection, no. 9	1
22	GM36695	Pipe, injection, no. 10	1
23	GM36696	Pipe, injection, no. 11	1
24	GM36697	Pipe, injection, no. 12	1
25	GM36698	Clamp	20
26	GM36699	Seat, pipe	20
27	GM15138	Bolt w/washer	10
28	GM36700	Clamp	20
29	GM36701	Seat, pipe	20
30	GM15976	Bolt w/washer	20
31	GM36702	Clamp	34
32	GM36703	Seat, pipe	34
33	GM36704	Bolt, w/washer	16
34	GM15976	Bolt w/washer	2
35	GM36705	Pipe, fuel	12
36	GM36484	Bolt, eye	12
37	GM14528	Washer, sealing	24

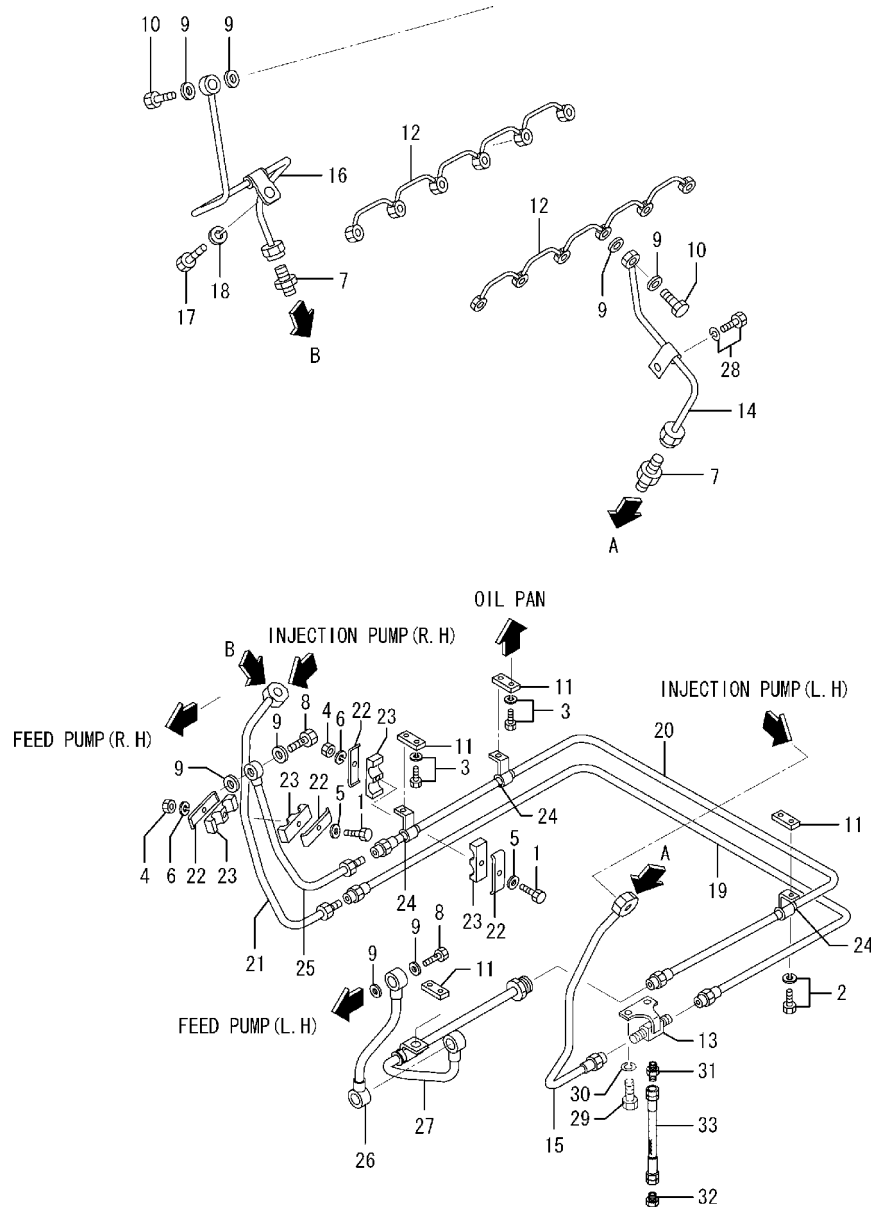
Group 61.4: Fuel Injection Pipes



6282-61.4_2

Item	Part No.	Description	Qty. Var. 2	Item	Part No.	Description	Qty. Var. 2
1	GM57377	Gasket	12	22	GM15179	Washer, spring	7
2	GM57378	Pipe, injection	12	23	GM15174	Washer, plain	7
3	GM57379	Pipe, injection no. 1	1	24	GM22092	Bolt	1
4	GM57380	Pipe, injection no. 2	1	25	GM15141	Bolt	2
5	GM57381	Pipe, injection no. 3	1	26	GM36676	Gland, nozzle	12
6	GM57382	Pipe, injection no. 4	1	27	GM36677	Washer	12
7	GM57383	Pipe, injection no. 5	1	28	X	L-joint	12
8	GM57384	Pipe, injection no. 6	1	29	GM36680	O-ring	12
9	GM57385	Pipe, injection no. 7	1	30	GM36681	Nut	12
10	GM57386	Pipe, injection no. 8	1	31	GM36682	Clamp	12
11	GM57387	Pipe, injection no. 9	1	32	GM36683	Clamp	12
12	GM57388	Pipe, injection no. 10	1	33	GM15976	Bolt w/washer	12
13	GM57389	Pipe, injection no. 11	1	34	GM57395	Clamp	2
14	GM57390	Pipe, injection no. 12	1	35	GM57396	Seat, pipe	4
15	GM31428	Seat, pipe	64	36	GM57397	Clamp	2
16	GM21740	Plate	19	37	GM15977	Bolt w/washer	14
17	GM57391	Seat, pipe	32	38	GM36684	Cover	24
18	GM57392	Plate, injection pipe	10	39	GM36685	Holder	24
19	GM57393	Stay, clamp	1	40	GM15145	Bolt	16
20	GM57394	Bolt, w/washer	16	41	GM15179	Washer, spring	1
21	GM14538	Bolt	7				

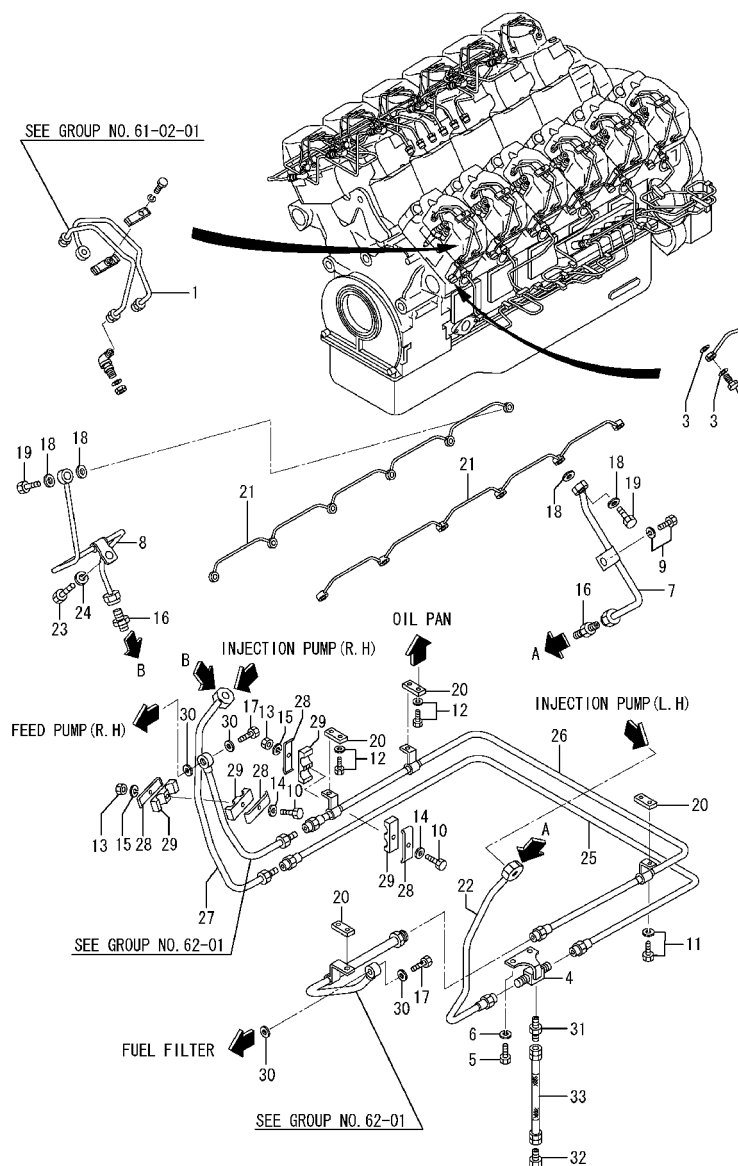
Group 61.5: Fuel Leak and Feed Piping



6282-61.5

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM15956	Bolt	6	18	GM15179	Washer, spring	1
2	GM15975	Bolt w/washer	4	19	GM36715	Pipe, fuel leak	1
3	GM36706	Bolt, w/washer	4	20	GM36716	Pipe, fuel feed	1
4	GM15164	Nut	6	21	GM36717	Pipe, fuel leak	1
5	GM15174	Washer, plain	6	22	GM15599	Clamp	12
6	GM15179	Washer, spring	6	23	GM15600	Seat	12
7	GM15230	Connector	2	24	GM36718	Clip	3
8	GM15234	Bolt, eye	2	25	GM36719	Pipe, fuel feed	1
9	GM14528	Washer, sealing	8	26	GM36720	Pipe, fuel feed	1
10	GM36707	Bolt, eye	2	27	GM36721	Pipe, fuel feed	1
11	GM36708	Stay	4	28	GM15140	Bolt w/washer	1
12	GM36709	Pipe, fuel	2	29	GM36722	Bolt	2
13	GM36710	Connector	1	30	GM15179	Washer, spring	2
14	GM36711	Pipe, fuel leak	1	31	GM31459	Connector	1
15	GM36712	Pipe, fuel leak	1	32	GM14995	Connector	1
16	GM36713	Pipe, fuel leak	1	33	GM14996	Hose	1
17	GM36714	Bolt	1				

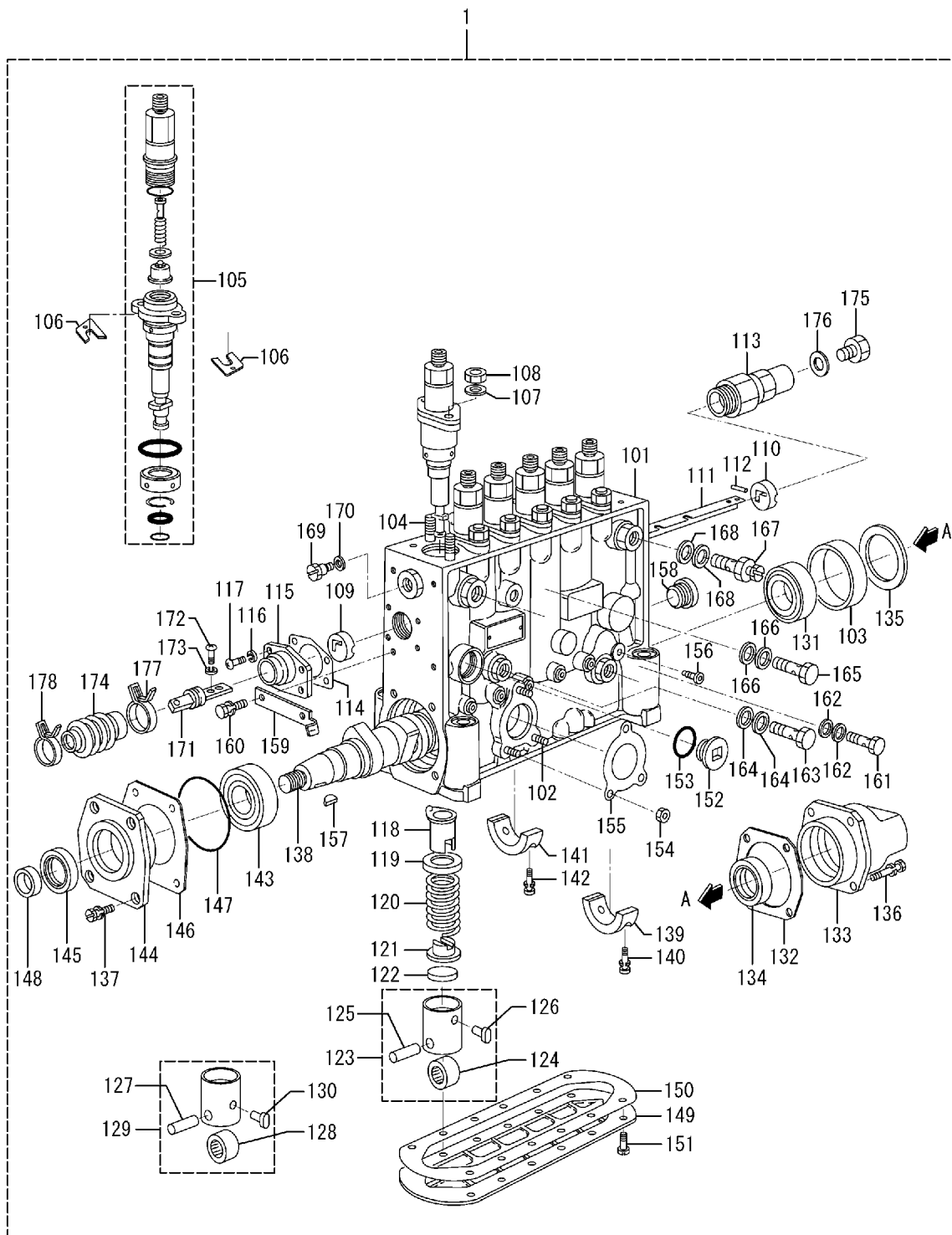
Group 61.5: Fuel Leak and Feed Piping



6282-61.5_2

Item	Part No.	Description	Qty. Var. 2	Item	Part No.	Description	Qty. Var. 2
1	GM36705	Pipe, fuel	12	18	GM57417	Washer, sealing	8
2	GM36484	Bolt, eye	12	19	GM36707	Bolt, eye	2
3	GM14528	Washer, sealing	24	20	GM36708	Stay	4
4	GM36710	Connector	1	21	GM36709	Pipe, fuel	2
5	GM36722	Bolt	2	22	GM57418	Pipe, fuel leak, left hand	1
6	GM15179	Washer, spring	2	23	GM36714	Bolt	1
7	GM57416	Pipe, leak, right hand	1	24	GM15179	Washer, spring	1
8	GM36713	Pipe, fuel leak	1	25	GM57419	Pipe, leak, right hand	1
9	GM15140	Bolt	1	26	GM36716	Pipe, fuel feed	1
10	GM15956	Bolt	6	27	GM36717	Pipe, fuel leak	1
11	GM15975	Bolt w/washer	4	28	GM15599	Clamp	12
12	GM36706	Bolt, w/washer	4	29	GM15600	Seat	12
13	GM15164	Nut	6	30	GM14530	Washer, sealing	4
14	GM15174	Washer, plain	6	31	GM31459	Connector	2
15	GM15179	Washer, spring	6	32	GM14995	Connector	1
16	GM15230	Connector	2	33	GM14996	Hose	1
17	GM15234	Bolt, eye	2				

Group 61.6: Injection Pump, Right Side



6282-61.6

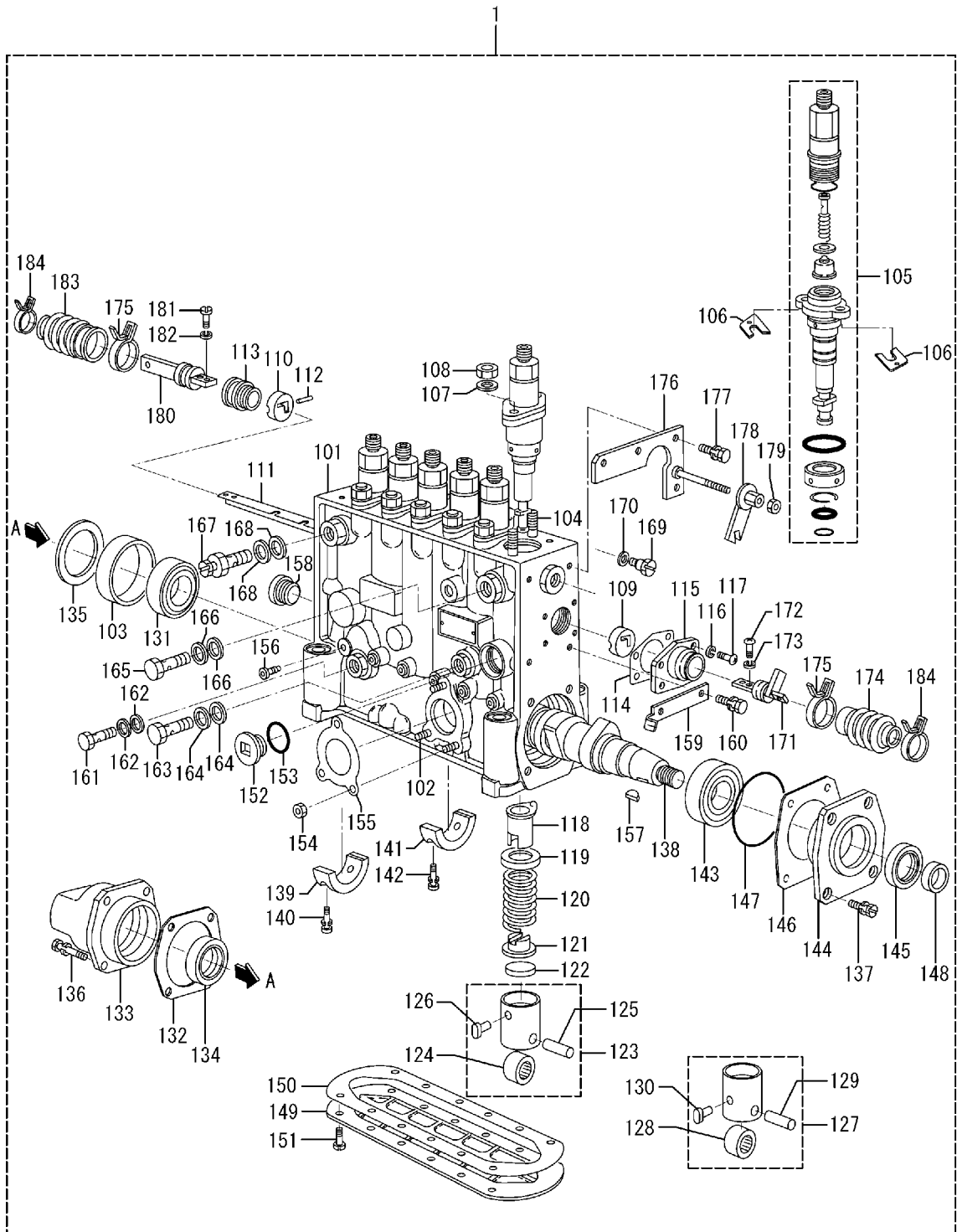
Group 61.6: Injection Pump, Right Side

Item	Part No.	Description	Qty. Var.		Item	Part No.	Description	Qty. Var.	
			1	2				1	2
1	X	Pump assembly, injection	1	1	115	GM36833	Adapter	1	1
101	GM36723	Housing, pump	1	1	116	GM36761	Washer, spring	4	4
102	GM36796	Stud	3	3	117	GM36762	Screw	4	4
103	GM36797	Ring	1	1	118	GM36834	Sleeve, control	6	6
104	GM36798	Stud	12	12	119	GM36835	Seat, spring	6	6
105	GM36724	Block, plunger	6		120	GM36763	Spring, plunger	6	6
105	GM57367	Block, plunger		6	121	GM36764	Seat, spring	6	6
106	GM36725	Shim, 0.500 mm	AR	AR	122	GM36836	Seat	6	6
106	GM36726	Shim, 0.525 mm	AR	AR	123	GM36837	Tappet assembly	4	4
106	GM36799	Shim, 0.550 mm	AR	AR	124	GM36765	Roller	4	4
106	GM36800	Shim, 0.575 mm	AR	AR	125	GM36766	Pin	4	4
106	GM36801	Shim, 0.600 mm	AR	AR	126	GM36838	Guide	4	4
106	GM36802	Shim, 0.625 mm	AR	AR	127	GM36839	Tappet assembly	2	2
106	GM36803	Shim, 0.65 mm	AR	AR	128	GM36765	Roller	2	2
106	GM36727	Shim, 0.675 mm	AR	AR	129	GM36766	Pin	2	2
106	GM36804	Shim, 0.7 mm	AR	AR	130	GM36838	Guide	2	2
106	GM36805	Shim, 0.725 mm	AR	AR	131	GM36840	Bearing, ball	1	1
106	GM36728	Shim, 0.75 mm	AR	AR	132	GM36767	Gasket	1	1
106	GM36806	Shim, 0.775 mm	AR	AR	133	GM36841	Cover	1	1
106	GM36729	Shim, 0.8 mm	AR	AR	134	GM36842	Seal, oil	1	1
106	GM36730	Shim, 0.825 mm	AR	AR	135	GM36843	Shim	1	1
106	GM36807	Shim, 0.85 mm	AR	AR	136	GM36768	Bolt	4	4
106	GM36808	Shim, 0.875 mm	AR	AR	137	GM36844	Bolt	4	4
106	GM36731	Shim, 0.9 mm	AR	AR	138	GM36769	Camshaft	1	1
106	GM36732	Shim, 0.925 mm	AR	AR	139	GM36845	Bearing, center	1	1
106	GM36809	Shim, 0.95 mm	AR	AR	140	GM36846	Bolt	2	2
106	GM36810	Shim, 0.975 mm	AR	AR	141	GM36770	Bearing, center	2	2
106	GM36733	Shim, 1 mm	AR	AR	142	GM36846	Bolt	4	4
106	GM36734	Shim, 1.025 mm	AR	AR	143	GM36771	Bearing, ball	1	1
106	GM36735	Shim, 1.05 mm	AR	AR	144	GM36772	Cover	1	1
106	GM36811	Shim, 1.075 mm	AR	AR	145	GM36847	Seal, oil	1	1
106	GM36812	Shim, 1.1 mm	AR	AR	146	GM36773	Shim, 0.10 mm	AR	AR
106	GM36813	Shim, 1.125 mm	AR	AR	146	GM36774	Shim, 0.12 mm	AR	AR
106	GM36814	Shim, 1.15 mm	AR	AR	146	GM36775	Shim, 0.14 mm	AR	AR
106	GM36736	Shim, 1.175 mm	AR	AR	146	GM36776	Shim, 0.16 mm	AR	AR
106	GM36737	Shim, 1.2 mm	AR	AR	146	GM36777	Shim, 0.18 mm	AR	AR
106	GM36738	Shim, 1.225 mm	AR	AR	146	GM36778	Shim, 0.30 mm	AR	AR
106	GM36739	Shim, 1.25 mm	AR	AR	146	GM36848	Shim, 0.50 mm	AR	AR
106	GM36815	Shim, 1.275 mm	AR	AR	147	GM36779	O-ring	1	1
106	GM36816	Shim, 1.3 mm	AR	AR	148	GM36849	Sleeve	1	1
106	GM36817	Shim, 1.325 mm	AR	AR	149	GM36850	Cover	1	
106	GM36740	Shim, 1.35 mm	AR	AR	149	X	Cover		1
106	GM36818	Shim, 1.375 mm	AR	AR	150	GM36851	Gasket	1	1
106	GM36741	Shim, 1.4 mm	AR	AR	151	GM36780	Screw	12	12
106	GM36742	Shim, 1.425 mm	AR	AR	152	GM36852	Plug	1	1
106	GM36743	Shim, 1.45 mm	AR	AR	153	GM36781	Gasket	1	1
106	GM36744	Shim, 1.475 mm	AR	AR	154	GM36853	Nut	3	3
106	GM36745	Shim, 1.5 mm	AR	AR	155	GM36854	Gasket	1	1
106	GM36746	Shim, 1.525 mm	AR	AR	156	GM36855	Plug	6	6
106	GM36819	Shim, 1.55 mm	AR	AR	157	GM36782	Key, woodruff	1	1
106	GM36820	Shim, 1.575 mm	AR	AR	158	GM36783	Plug	1	1
106	GM36747	Shim, 1.6 mm	AR	AR	159	GM36784	Pointer	1	1
106	GM36821	Shim, 1.625 mm	AR	AR	160	GM36785	Bolt	2	2
106	GM36748	Shim, 1.65 mm	AR	AR	161	GM36786	Bolt, eye	1	1
106	GM36749	Shim, 1.675 mm	AR	AR	162	GM36858	Gasket	2	2
106	GM36822	Shim, 1.7 mm	AR	AR	163	GM36857	Bolt, eye	1	1
106	GM36823	Shim, 1.725 mm	AR	AR	164	GM36787	Gasket	2	2
106	GM36750	Shim, 1.75 mm	AR	AR	165	GM15513	Bolt, eye	1	1
106	GM36824	Shim, 1.775 mm	AR	AR	166	GM36858	Gasket	2	2
106	GM36751	Shim, 1.8 mm	AR	AR	167	GM36788	Valve, overflow	1	
106	GM36752	Shim, 1.825 mm	AR	AR	167	GM57368	Valve, overflow		1
106	GM36825	Shim, 1.85 mm	AR	AR	168	GM36858	Gasket	2	2
106	GM36753	Shim, 1.875 mm	AR	AR	169	GM36859	Bolt	1	1
106	GM36754	Shim, 1.9 mm	AR	AR	170	GM36789	Gasket	1	1
106	GM36826	Shim, 1.925 mm	AR	AR	171	GM36790	Connector	2	2
106	GM36755	Shim, 1.95 mm	AR	AR	172	GM36791	Screw	2	2
106	GM36827	Shim, 1.975 mm	AR	AR	173	GM36761	Washer, spring	1	
107	GM36756	Washer	12	12	173	GM57369	Washer, spring		1
108	GM36828	Nut	12	12	174	GM36792	Cover	1	1
109	GM36757	Bushing	1	1	175	GM36793	Bolt	1	1
110	GM36829	Bushing	1	1	176	GM36794	Gasket	1	1
111	GM36758	Rack, control	1	1	177	GM36861	Clip	1	1
112	GM36831	Pin	1	1	178	GM36866	Clip	1	1
113	GM36759	Connector	1	1					
114	GM36760	Gasket	1	1					

X Part is not sold separately

AR As Required

Group 61.7: Injection Pump, Left Side



6282-61.7

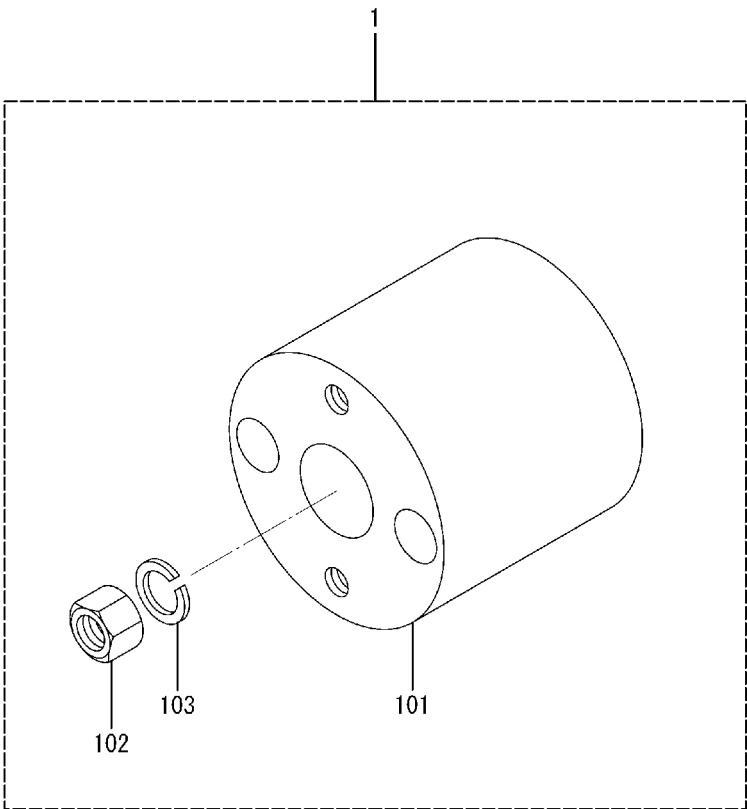
Group 61.7: Injection Pump, Left Side

Item	Part No.	Description	Qty. Var.		Item	Part No.	Description	Qty. Var.	
			1	2				1	2
1	X	Pump assembly, injection	1	1	118	GM36834	Sleeve, control	6	6
101	GM36795	Housing, pump	1	1	119	GM36835	Seat, spring	6	6
102	GM36796	Stud	3	3	120	GM36763	Spring, plunger	6	6
103	GM36797	Ring	1	1	121	GM36764	Seat, spring	6	6
104	GM36798	Stud	12	12	122	GM36836	Seat	6	6
105	GM36724	Block, plunger	6		123	GM36837	Tappet assembly	4	4
105	GM57367	Block, plunger		6	124	GM36765	Roller	4	4
106	GM36725	Shim, 0.500 mm	AR	AR	125	GM36766	Pin	4	4
106	GM36726	Shim, 0.525 mm	AR	AR	126	GM36838	Guide	4	4
106	GM36799	Shim, 0.550 mm	AR	AR	127	GM36839	Tappet assembly	2	2
106	GM36800	Shim, 0.575 mm	AR	AR	128	GM36765	Roller	2	2
106	GM36801	Shim, 0.600 mm	AR	AR	129	GM36766	Pin	2	2
106	GM36802	Shim, 0.625 mm	AR	AR	130	GM36838	Guide	2	2
106	GM36803	Shim, 0.65 mm	AR	AR	131	GM36840	Bearing, ball	1	1
106	GM36727	Shim, 0.675 mm	AR	AR	132	GM36767	Gasket	1	1
106	GM36804	Shim, 0.7 mm	AR	AR	133	GM36841	Cover	1	1
106	GM36805	Shim, 0.725 mm	AR	AR	134	GM36842	Seal, oil	1	1
106	GM36728	Shim, 0.75 mm	AR	AR	135	GM36843	Shim	1	1
106	GM36806	Shim, 0.775 mm	AR	AR	136	GM36768	Bolt	4	4
106	GM36729	Shim, 0.8 mm	AR	AR	137	GM36844	Bolt	4	4
106	GM36730	Shim, 0.825 mm	AR	AR	138	GM36769	Camshaft	1	1
106	GM36807	Shim, 0.85 mm	AR	AR	139	GM36845	Bearing, center	1	1
106	GM36808	Shim, 0.875 mm	AR	AR	140	GM36846	Bolt	2	2
106	GM36731	Shim, 0.9 mm	AR	AR	141	GM36770	Bearing, center	2	2
106	GM36732	Shim, 0.925 mm	AR	AR	142	GM36846	Bolt	4	4
106	GM36809	Shim, 0.95 mm	AR	AR	143	GM36771	Bearing, ball	1	1
106	GM36810	Shim, 0.975 mm	AR	AR	144	GM36772	Cover	1	1
106	GM36733	Shim, 1 mm	AR	AR	145	GM36847	Seal, oil	1	1
106	GM36734	Shim, 1.025 mm	AR	AR	146	GM36773	Shim, 0.10 mm	AR	AR
106	GM36735	Shim, 1.05 mm	AR	AR	146	GM36774	Shim, 0.12 mm	AR	AR
106	GM36811	Shim, 1.075 mm	AR	AR	146	GM36775	Shim, 0.14 mm	AR	AR
106	GM36812	Shim, 1.1 mm	AR	AR	146	GM36776	Shim, 0.16 mm	AR	AR
106	GM36813	Shim, 1.125 mm	AR	AR	146	GM36777	Shim, 0.18 mm	AR	AR
106	GM36814	Shim, 1.15 mm	AR	AR	146	GM36778	Shim, 0.30 mm	AR	AR
106	GM36736	Shim, 1.175 mm	AR	AR	146	GM36848	Shim, 0.50 mm	AR	AR
106	GM36737	Shim, 1.2 mm	AR	AR	147	GM36779	O-ring	1	1
106	GM36738	Shim, 1.225 mm	AR	AR	148	GM36849	Sleeve	1	1
106	GM36739	Shim, 1.25 mm	AR	AR	149	GM36850	Cover	1	1
106	GM36815	Shim, 1.275 mm	AR	AR	150	GM36851	Gasket	1	1
106	GM36816	Shim, 1.3 mm	AR	AR	151	GM36780	Screw	12	12
106	GM36817	Shim, 1.325 mm	AR	AR	152	GM36852	Plug	1	1
106	GM36740	Shim, 1.35 mm	AR	AR	153	GM36781	Gasket	1	1
106	GM36818	Shim, 1.375 mm	AR	AR	154	GM36853	Nut	3	3
106	GM36741	Shim, 1.4 mm	AR	AR	155	GM36854	Gasket	1	1
106	GM36742	Shim, 1.425 mm	AR	AR	156	GM36855	Plug	6	6
106	GM36743	Shim, 1.45 mm	AR	AR	157	GM36782	Key, woodruff	1	1
106	GM36744	Shim, 1.475 mm	AR	AR	158	GM36783	Plug	1	1
106	GM36745	Shim, 1.5 mm	AR	AR	159	GM36856	Pointer	1	1
106	GM36746	Shim, 1.525 mm	AR	AR	160	GM36785	Bolt	2	2
106	GM36819	Shim, 1.55 mm	AR	AR	161	GM36786	Bolt, eye	1	1
106	GM36820	Shim, 1.575 mm	AR	AR	162	GM36858	Gasket	2	2
106	GM36747	Shim, 1.6 mm	AR	AR	163	GM36857	Bolt, eye	1	1
106	GM36821	Shim, 1.625 mm	AR	AR	164	GM36787	Gasket	2	2
106	GM36748	Shim, 1.65 mm	AR	AR	165	GM15513	Bolt, eye	1	1
106	GM36749	Shim, 1.675 mm	AR	AR	166	GM36858	Gasket	2	2
106	GM36822	Shim, 1.7 mm	AR	AR	167	GM36788	Valve, overflow	1	
106	GM36823	Shim, 1.725 mm	AR	AR	167	GM57368	Valve, overflow		1
106	GM36750	Shim, 1.75 mm	AR	AR	168	GM36858	Gasket	2	2
106	GM36824	Shim, 1.775 mm	AR	AR	169	GM36859	Bolt	1	1
106	GM36751	Shim, 1.8 mm	AR	AR	170	GM36789	Gasket	1	1
106	GM36752	Shim, 1.825 mm	AR	AR	171	GM36860	Connector	1	1
106	GM36825	Shim, 1.85 mm	AR	AR	172	GM36791	Screw	2	2
106	GM36753	Shim, 1.875 mm	AR	AR	173	GM36761	Washer, spring	2	
106	GM36754	Shim, 1.9 mm	AR	AR	173	GM57369	Washer, spring		2
106	GM36826	Shim, 1.925 mm	AR	AR	174	GM36792	Cover	1	1
106	GM36755	Shim, 1.95 mm	AR	AR	175	GM36861	Clip	2	2
106	GM36827	Shim, 1.975 mm	AR	AR	176	GM36862	Bracket	1	
107	GM36756	Washer	12	12	176	GM57370	Bracket		1
108	GM36828	Nut	12	12	177	GM36846	Bolt	3	3
109	GM36757	Bushing	1	1	178	GM36863	Plate	1	1
110	GM36829	Bushing	1	1	179	GM36864	Nut	1	
111	GM36830	Rack, control	1	1	179	GM57371	Nut		1
112	GM36831	Pin	1	1	180	GM36865	Connector	1	1
113	GM36832	Bushing	1	1	181	GM36791	Screw	2	2
114	GM36760	Gasket	1	1	182	GM36761	Washer, spring	2	
115	GM36833	Adapter	1	1	182	GM57369	Washer, spring		2
116	GM36761	Washer, spring	4	4	183	GM36792	Cover	1	1
117	GM36762	Screw	4	4	184	GM36866	Clip	2	2

X Part is not sold separately

AR As Required

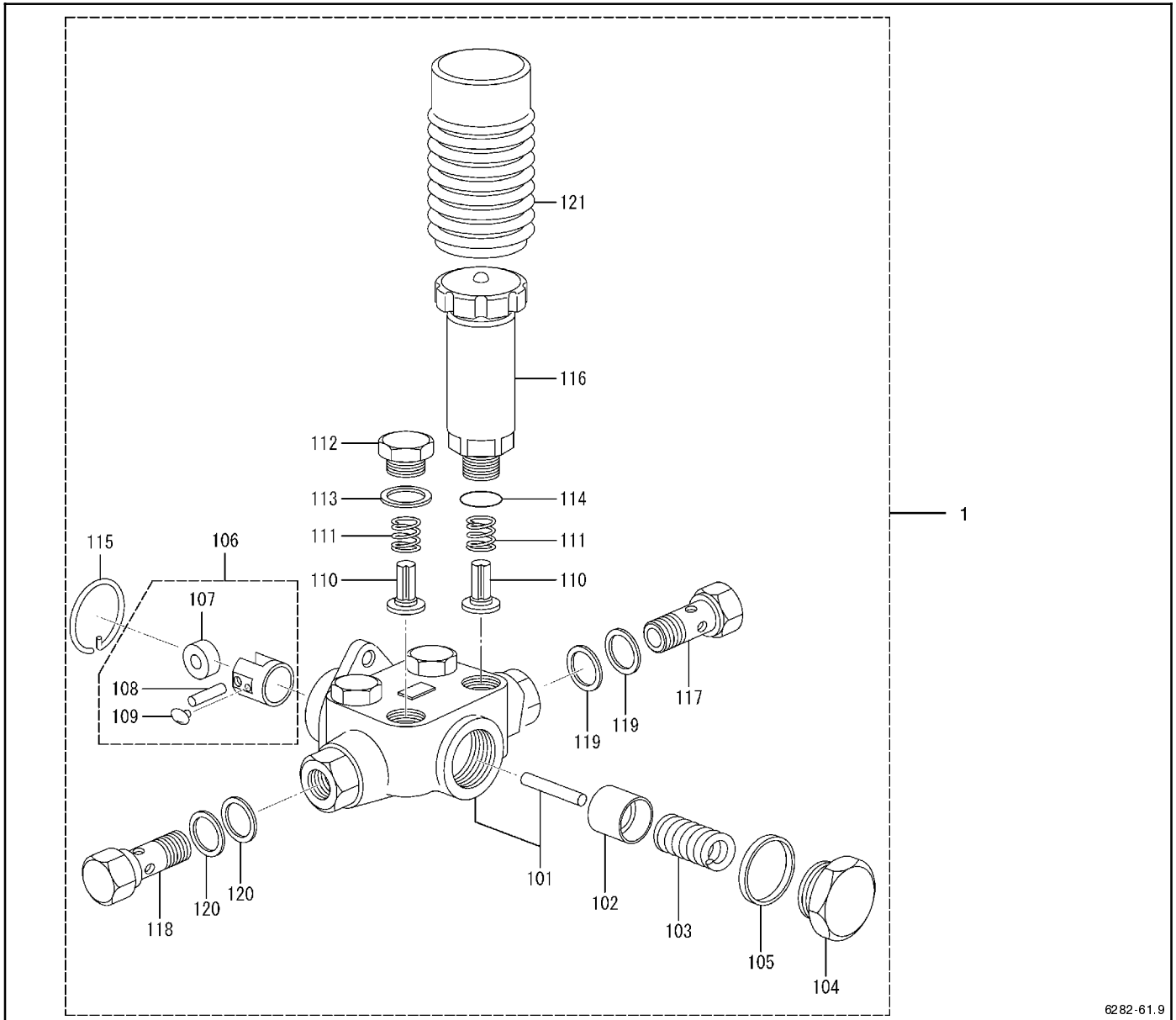
Group 61.8: Coupling



6282-61.8

Item	Part No.	Description	Qty.
			Var.
1	GM36867	Coupling	2
101	GM36868	Plate, coupling	2
102	GM36869	Nut	2
103	GM36870	Washer, spring	2

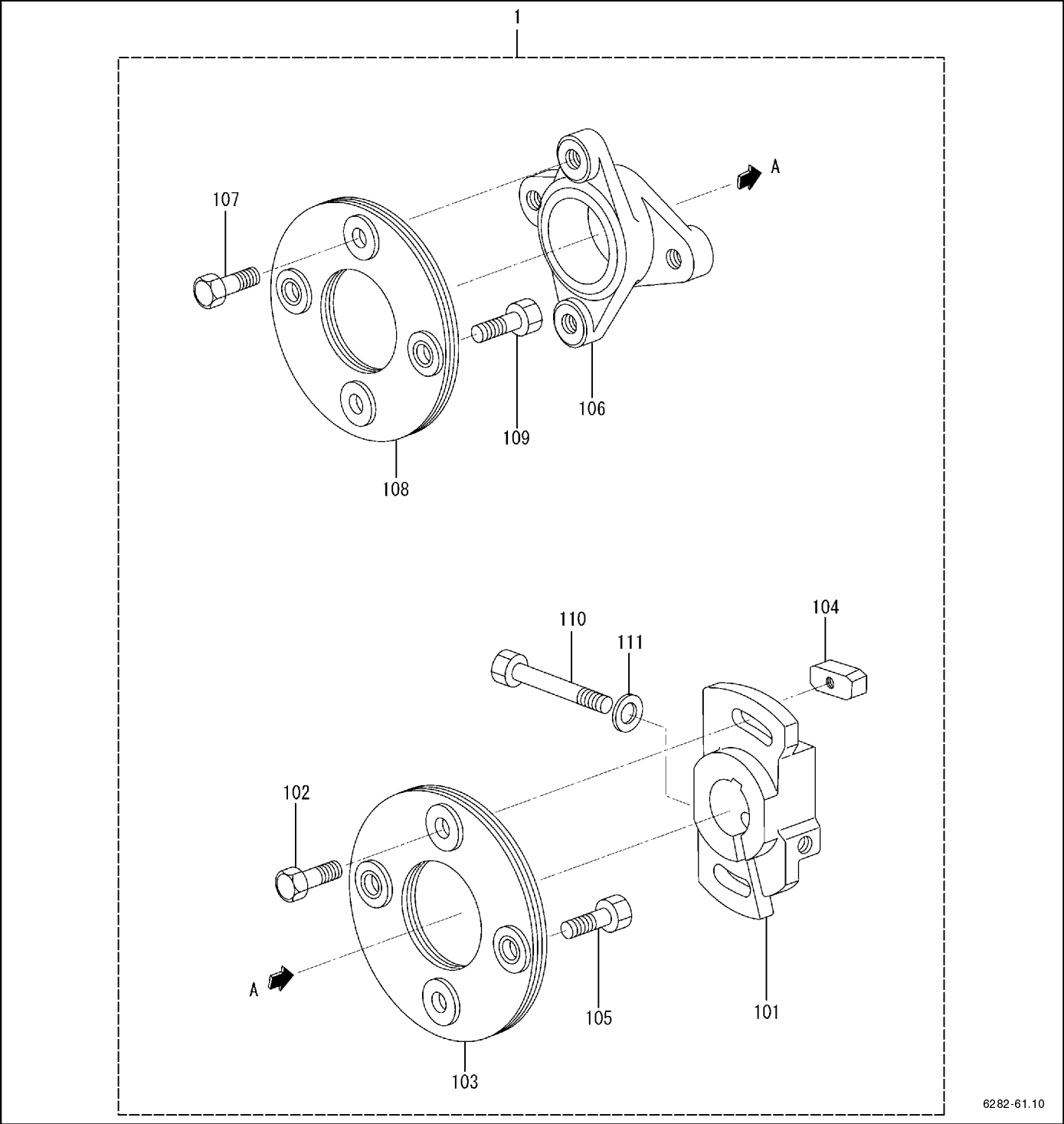
Group 61.9: Feed Pump



6282-61.9

Item	Part No.	Description	Qty. Var.		Item	Part No.	Description	Qty. Var.	
			1	2				1	2
1	GM36617	Pump, feed	2	2	113	GM36881	Gasket	6	6
101	GM36871	Housing	2	2	114	GM36882	O-ring	2	2
102	GM15533	Piston	2	2	115	GM36883	Ring, snap	2	2
103	GM36872	Spring, piston	2	2	116	GM36884	Pump, priming	2	2
104	GM36873	Plug	2	2	117	GM36885	Bolt, eye	2	
105	GM36874	Gasket	2	2	117	GM36885	Bolt, eye		2
106	GM36875	Tappet assembly	2	2	118	GM36786	Bolt, eye	2	2
107	GM36876	Roller	2	2	119	GM14530	Washer, sealing	4	
108	GM36877	Pin	2	2	119	GM36858	Gasket		4
109	GM36878	Guide	4	4	120	GM14530	Washer, sealing	4	
110	GM36879	Valve	8	8	120	GM36858	Gasket		4
111	GM15541	Spring	8	8	121	GM36886	Cover	2	2
112	GM36880	Plug	6	6					

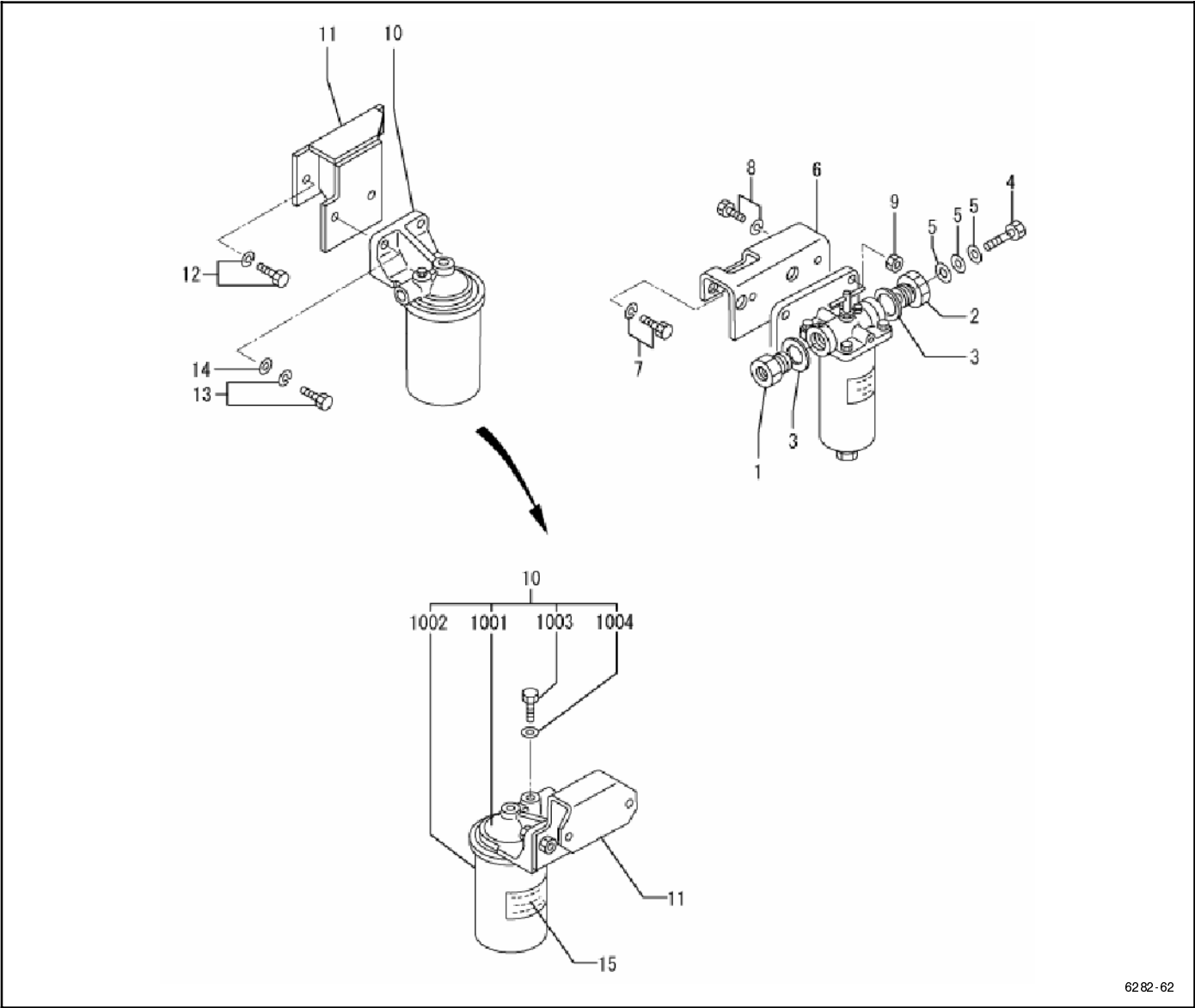
Group 61.10: Coupling Assembly



6282-61.10

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
			Var. 1				Var. 1
1	GM36618	Coupling assembly	2	106	GM36891	Coupling, cross	2
101	GM36887	Coupling	2	107	GM36893	Bolt	4
102	GM36888	Bolt	4	108	GM36892	Plate	2
103	GM36889	Plate	2	109	GM36893	Bolt	4
104	GM36890	Nut	4	110	GM36894	Bolt	2
105	GM36893	Bolt	4	111	GM36895	Washer	2

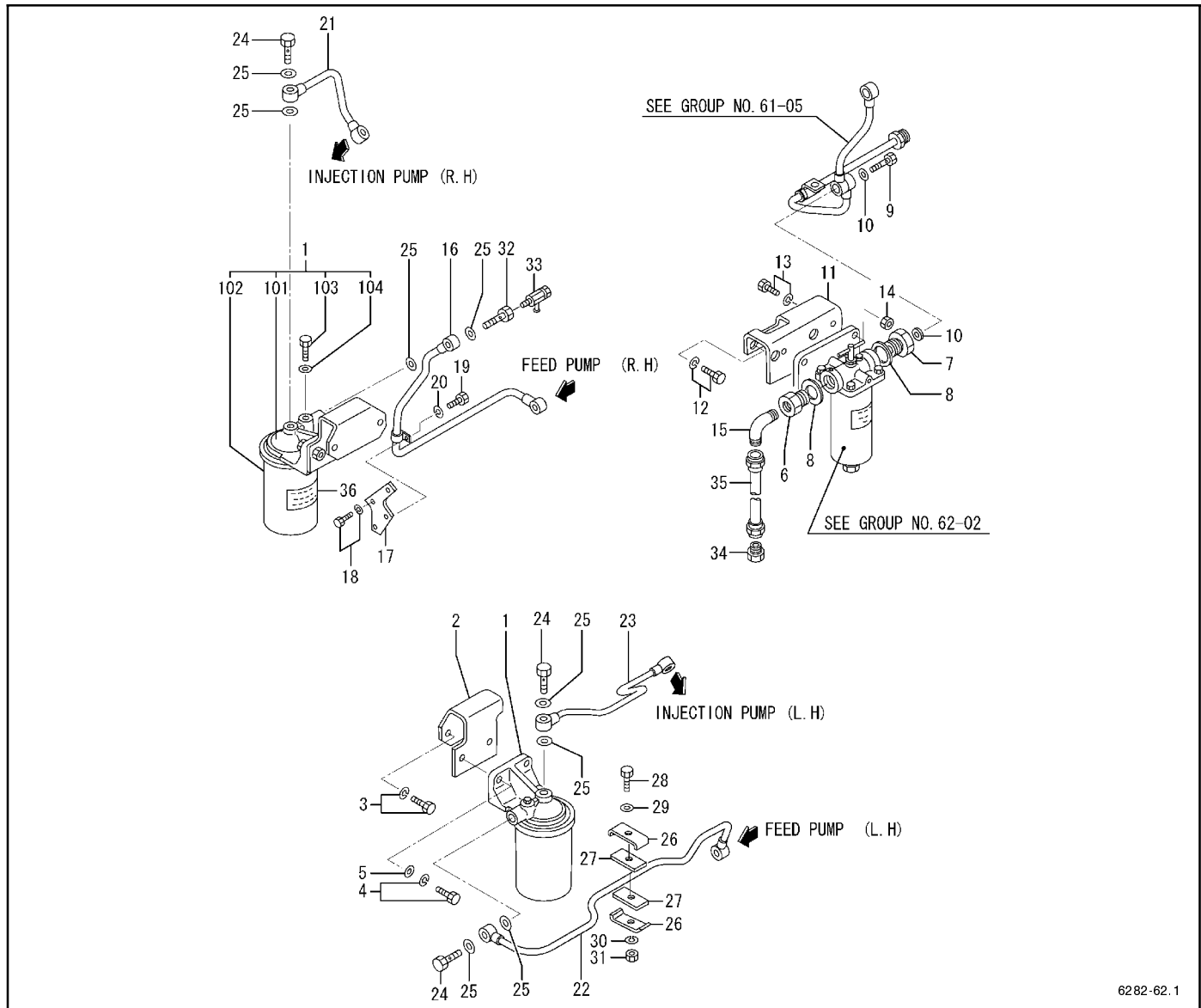
Group 62: Fuel Filter



6282-62

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
			Var.				Var.
1	GM36899	Connector	1	1001	GM36897	Bracket assembly	2
2	GM36900	Connector	1	1002	GM13947	Filter, fuel	2
3	GM21627	Washer, sealing	2	1003	GM14609	Plug, air	2
4	GM36901	Bolt, eye	1	1004	GM14527	Washer	2
5	GM14530	Washer, sealing	3	11	GM36898	Bracket, fuel filter	2
6	TBD	Bracket, fuel filter	1	12	GM15158	Bolt w/washer	4
7	GM36706	Bolt w/washer	2	13	GM15142	Bolt w/washer	4
8	GM15152	Bolt w/washer	2	14	GM15174	Washer, plain	4
9	GM15165	Nut	2	15	GM21662	Label	2
10	TBD	Filter assembly, fuel	2				

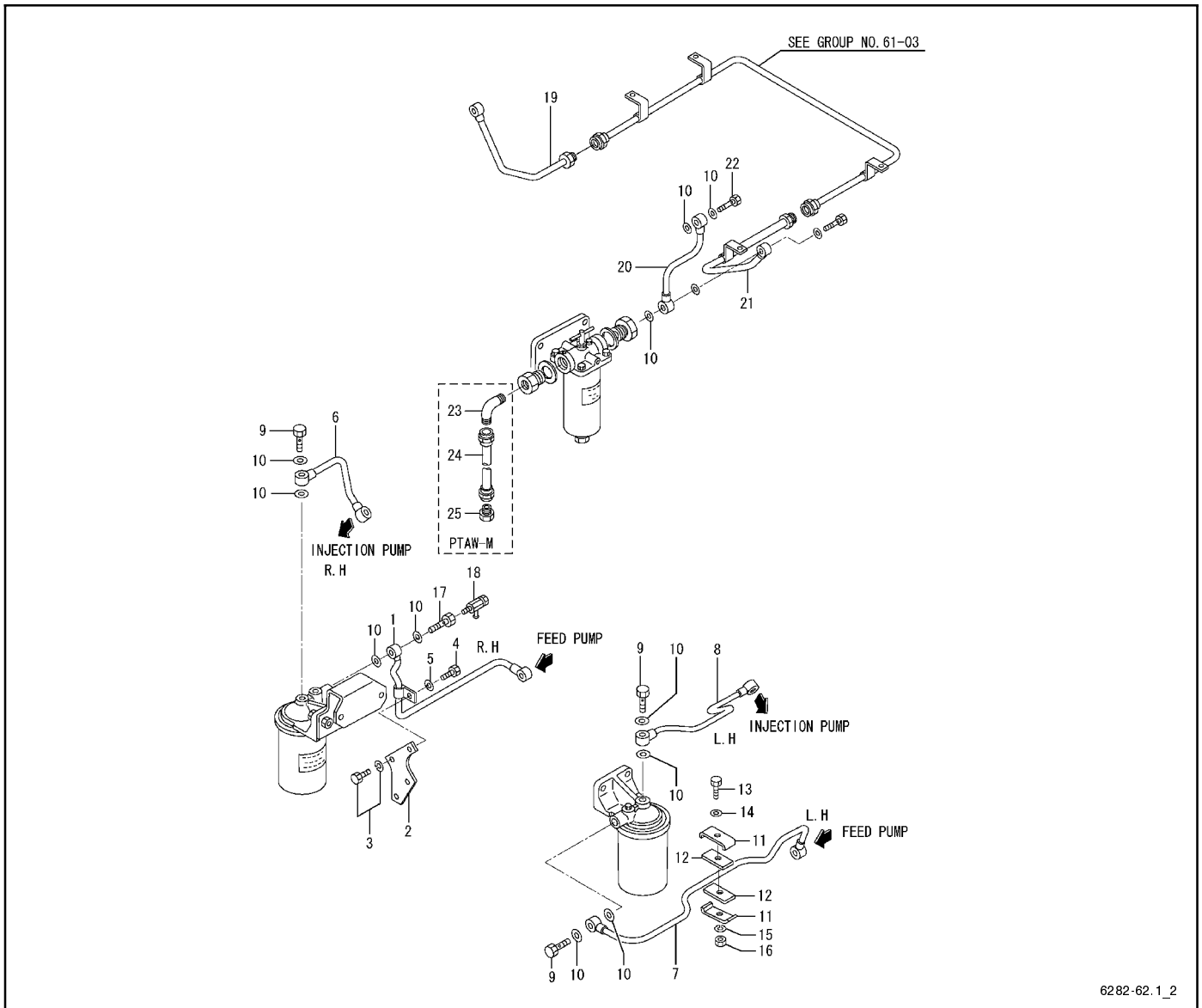
Group 62.1: Fuel Filter Piping



62 82-62.1

Item	Part No.	Description	Qty. Var. 1	Item	Part No.	Description	Qty. Var. 1
1	GM36896	Filter assembly, fuel	2	17	GM36904	Plate, injection pump	1
101	GM36897	Bracket assembly	2	18	GM36905	Bolt w/washer	3
102	GM13951	Fuel filter	2	19	GM36474	Bolt	1
103	GM14609	Plug, air	2	20	GM15179	Washer, spring	1
104	GM14527	Washer	2	21	GM36906	Pipe, fuel	1
2	GM36898	Bracket, fuel filter	2	22	GM36907	Pipe, fuel	1
3	GM15158	Bolt w/washer	4	23	GM36908	Pipe, fuel	1
4	GM15142	Bolt w/washer	4	24	GM15234	Bolt, eye	3
5	GM15174	Washer, plain	4	25	GM14530	Washer, sealing	8
6	GM36899	Connector	1	26	GM15599	Clamp	2
7	GM36900	Connector	1	27	GM15600	Seat	2
8	GM21627	Washer, sealing	2	28	GM15956	Bolt	1
9	GM36901	Bolt, eye	1	29	GM15174	Washer, plain	1
10	GM14530	Washer, sealing	2	30	GM15179	Washer, spring	1
11	GM36902	Bracket, filter	1	31	GM36909	Nut, jam	1
12	GM36706	Bolt w/washer	2	32	GM36910	Bolt, eye	1
13	GM15152	Bolt w/washer	2	33	GM15552	Air vent	1
14	GM15165	Nut	2	34	GM36911	Connector	1
15	GM36343	Elbow	1	35	GM22029	Pipe	1
16	GM36903	Pipe, fuel	1	36	GM21662	Label, caution	2

Group 62.1: Fuel Filter Piping

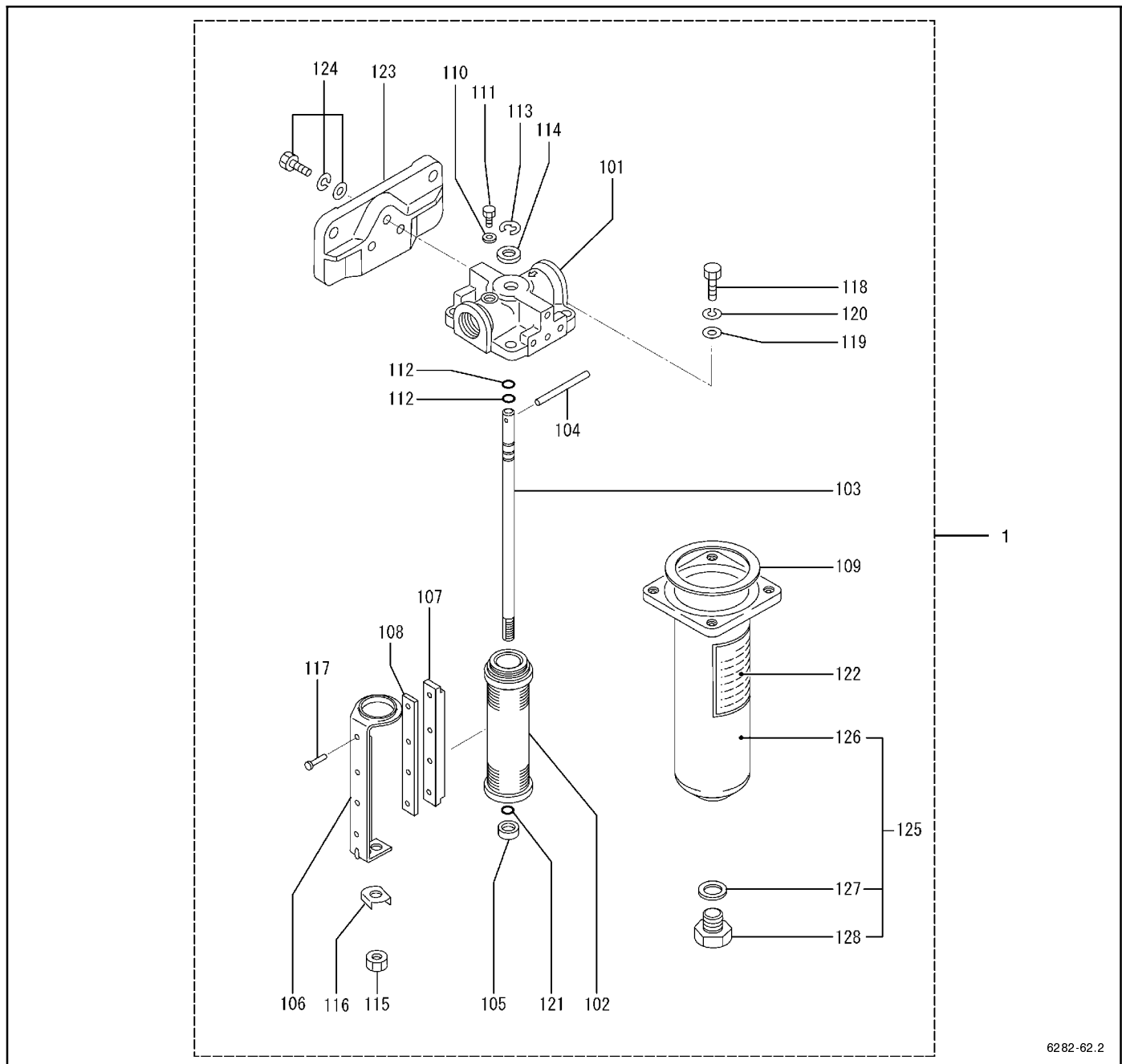


6282-62.1_2

Item	Part No.	Description	Qty. Var. 2
1	GM36903	Pipe, fuel	1
2	GM36904	Plate, injection pump	1
3	GM36905	Bolt, w/washer	3
4	GM36474	Bolt	1
5	GM15179	Washer, spring	1
6	GM36906	Pipe, fuel	1
7	GM36907	Pipe, fuel	1
8	GM36908	Pipe, fuel	1
9	GM15234	Bolt, eye	3
10	GM14530	Washer, sealing	11
11	GM15599	Clamp	2
12	GM15600	Seat	2
13	GM15956	Bolt	1

Item	Part No.	Description	Qty. Var. 2
14	GM15174	Washer, plain	1
15	GM15179	Washer, spring	1
16	GM36909	Nut, jam	1
17	GM36910	Bolt, eye	1
18	GM15552	Air vent	1
19	GM36719	Pipe, fuel feed	1
20	GM36720	Pipe, fuel feed	1
21	GM36721	Pipe, fuel feed	1
22	GM36901	Bolt, eye	1
23	GM36343	Elbow	1
24	GM22029	Pipe	1
25	GM36911	Connector	1

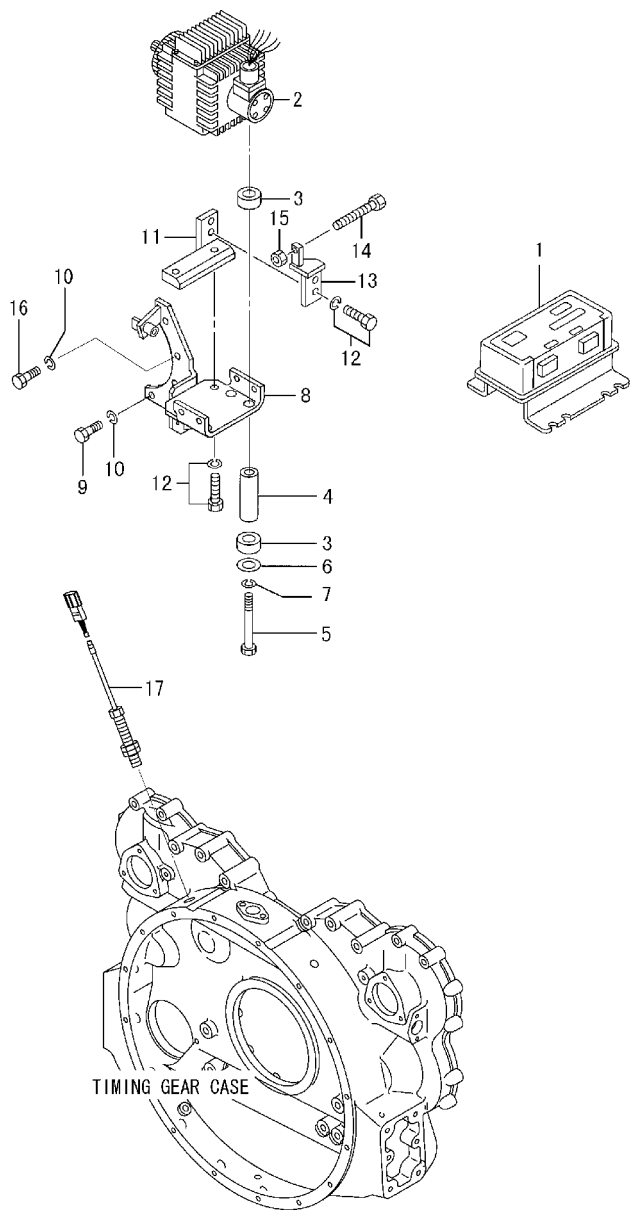
Group 62.2: Fuel Filter (Wire Element Type)



Item	Part No.	Description	Qty. Var.
1	GM36912	Filter assembly, fuel	1
101	GM36913	Cover	1
102	GM36914	Element	1
103	GM36915	Rod	1
104	GM36916	Handle	1
105	GM36917	Collar	1
106	GM36918	Plate	1
107	GM36919	Scraper	1
108	GM36920	Retainer	1
109	GM35980	Packing	1
110	GM35978	Gasket	1
111	GM36923	Bolt	1
112	GM35979	O-ring	2
113	GM36925	Ring, snap	1
114	GM36926	Washer, plain	1

Item	Part No.	Description	Qty. Var.
115	GM36927	Nut	1
116	GM36928	Washer	1
117	GM36929	Rivet	4
118	GM36930	Bolt	4
119	GM36931	Washer, plain	4
120	GM36932	Washer, spring	4
121	GM36933	O-ring	1
122	GM36934	Plate, caution	1
123	GM36935	Bracket	1
124	GM36936	Bolt	3
125	GM36937	Bottle assembly	1
126	GM36938	Case, lower	1
127	GM36939	Seal, fastener	1
128	GM36940	Plug, drain	1

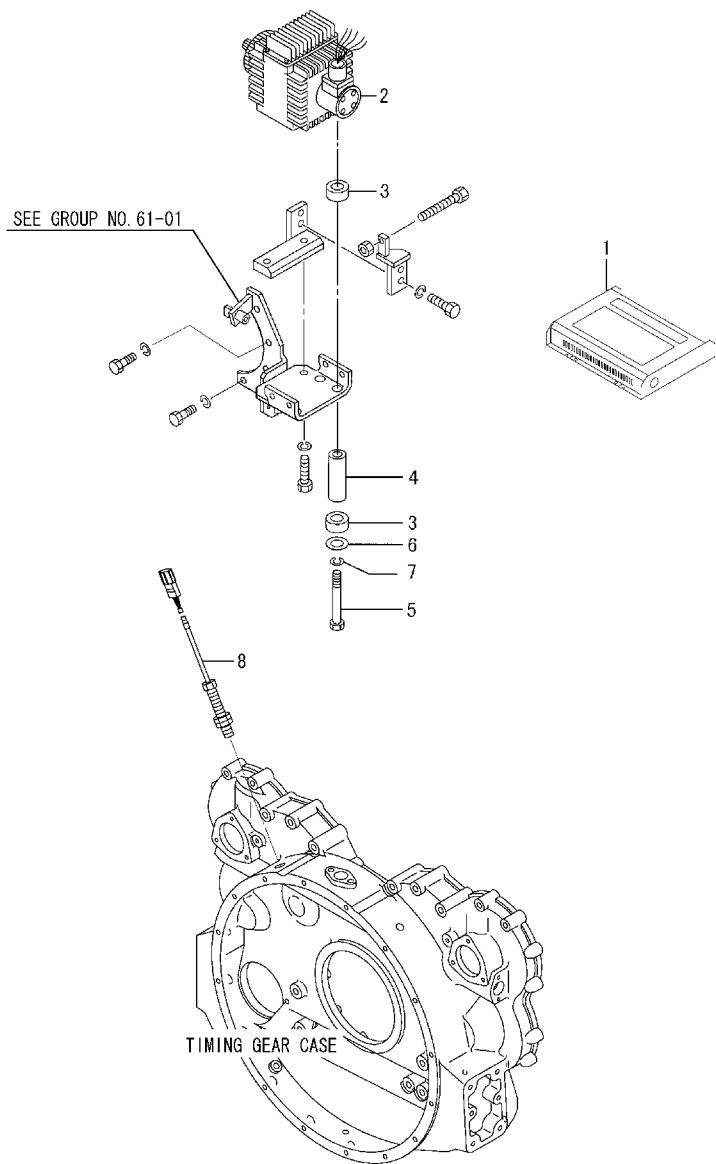
Group 63.1: Governor



6282-63_1

Item	Part No.	Description	Qty.
			Var.
1	GM36941	Controller	1
2	GM21678	Actuator, proact	1
3	GM31466	Mount	8
4	GM21674	Spacer	4
5	GM36942	Bolt	4
6	GM22087	Washer	4
7	GM15178	Washer, spring	4
8	GM36943	Bracket	1
9	GM36944	Bolt	3
10	GM15180	Washer, spring	4
11	GM36945	Bracket, stopper	1
12	GM15141	Bolt w/washer	4
13	GM36946	Bracket, stopper	1
14	GM36947	Bolt w/washer	1
15	GM15163	Nut	1
16	GM36654	Bolt, reamer	1
17	GM31302	Pickup, magnetic	1

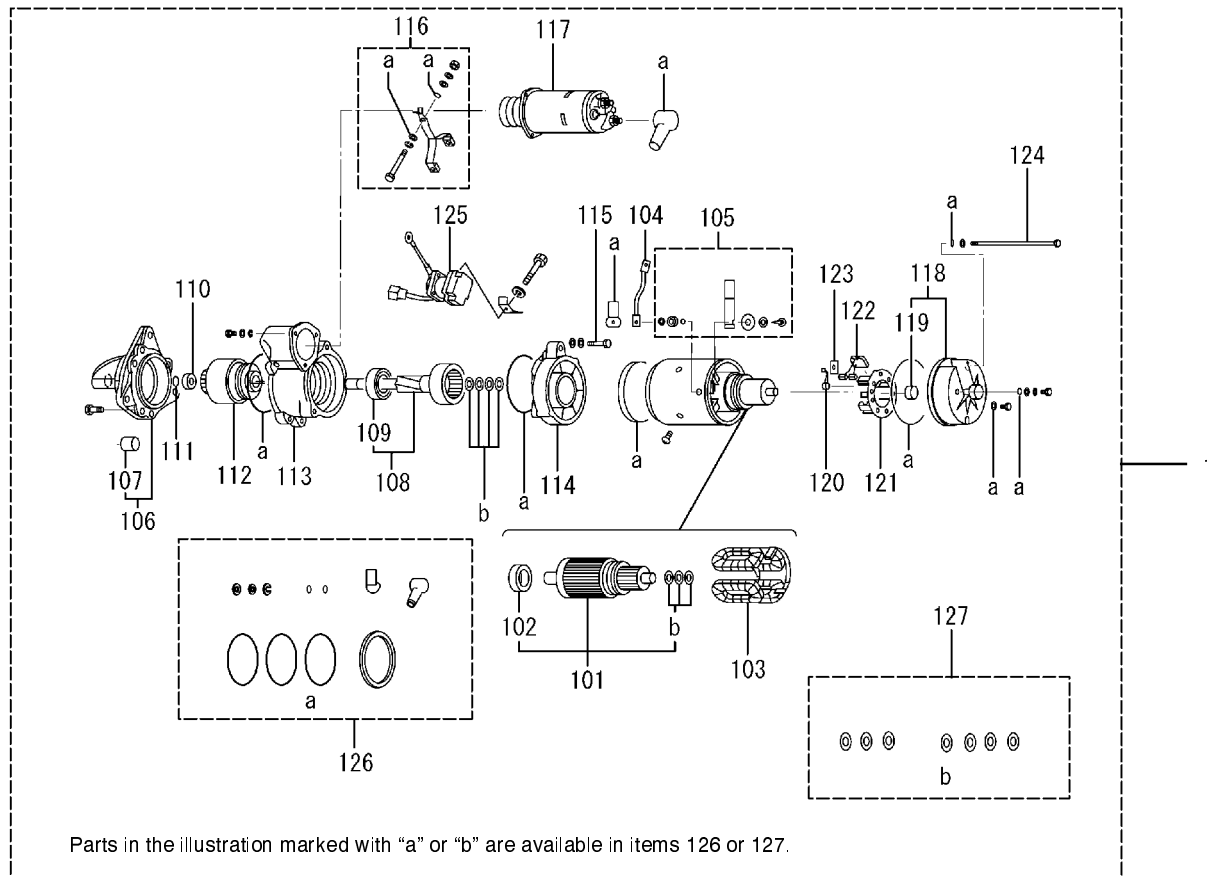
Group 63.1: Governor



6282-63_2

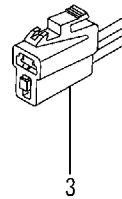
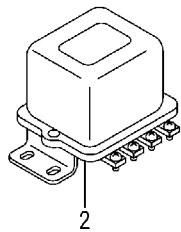
Item	Part No.	Description	Qty.
			Var.
1	GM62222	Controller	1
2	GM31464	Actuator, proact	1
3	GM31466	Mount	8
4	GM21674	Spacer	4
5	GM36942	Bolt	4
6	GM22087	Washer	4
7	GM15178	Washer, spring	4
8	GM31302	Pickup, magnetic	1

Group 66: Starter



Parts in the illustration marked with "a" or "b" are available in items 126 or 127.

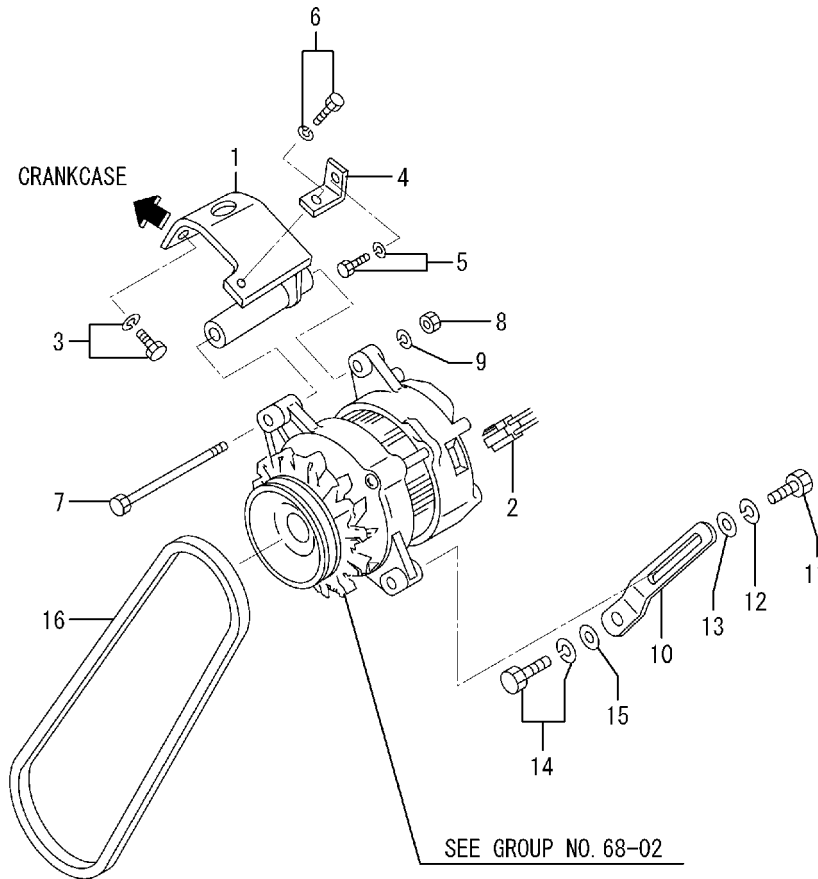
Parts in the illustration without items numbers are not sold separately.



6282-66

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36948	Starter assembly	2	115	GM36953	Bolt	6
101	GM36949	Armature assembly	2	116	GM21643	Yoke assembly	2
102	GM21641	Bearing, ball	2	117	GM21601	Switch assembly	2
103	GM21591	Coil, field	2	118	GM36954	Bracket	2
104	GM36950	Wire	2	119	GM36955	Metal	2
105	GM31488	Terminal	2	120	GM21647	Spring, brush	8
106	GM31491	Bracket, front	2	121	GM21595	Holder, brush	2
107	GM22085	Metal	2	122	GM21646	Brush	8
108	GM36951	Shaft assembly	2	123	GM21652	Plate	8
109	GM21639	Bearing, ball	2	124	GM21589	Bolt	4
110	GM21642	Stopper, pinion	2	125	GM34345	Relay, safety	2
111	GM21648	Ring, clip	2	126	GM31490	Washer assembly	2
112	GM36952	Clutch assembly	2	127	GM36956	Seal assembly	2
113	GM21645	Housing	2	2	GM36957	Relay, safety	1
114	GM21644	Bracket	2	3	GM31496	Connector	3

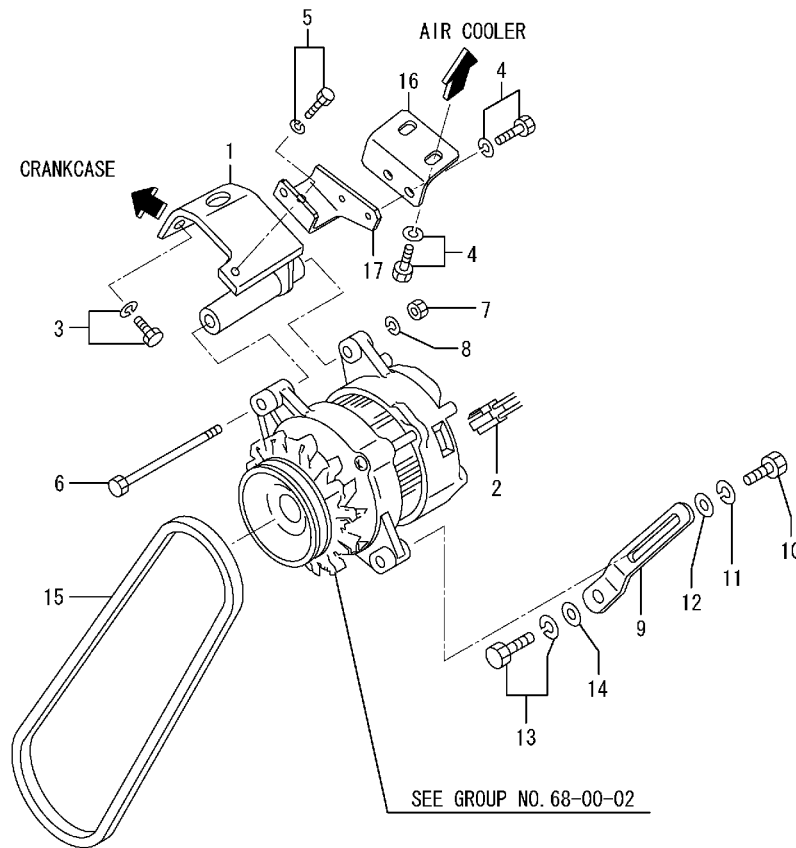
Group 68.1: Alternator Mounting



6282-68.1

Item	Part No.	Description	Qty. Var. 1
1	GM36958	Bracket, alternator	1
2	GM31496	Connector	1
3	GM15159	Bolt w/washer	2
4	GM36959	Stay	1
5	GM15159	Bolt w/washer	1
6	GM15140	Bolt	1
7	GM22096	Bolt	1
8	GM15165	Nut	1
9	GM15180	Washer, spring	1
10	GM36960	Plate, adjusting	1
11	GM36961	Bolt	1
12	GM15181	Washer, spring	1
13	GM15992	Washer	1
14	GM15150	Bolt	1
15	GM15175	Washer	1
16	GM36962	V-belt, alternator	1

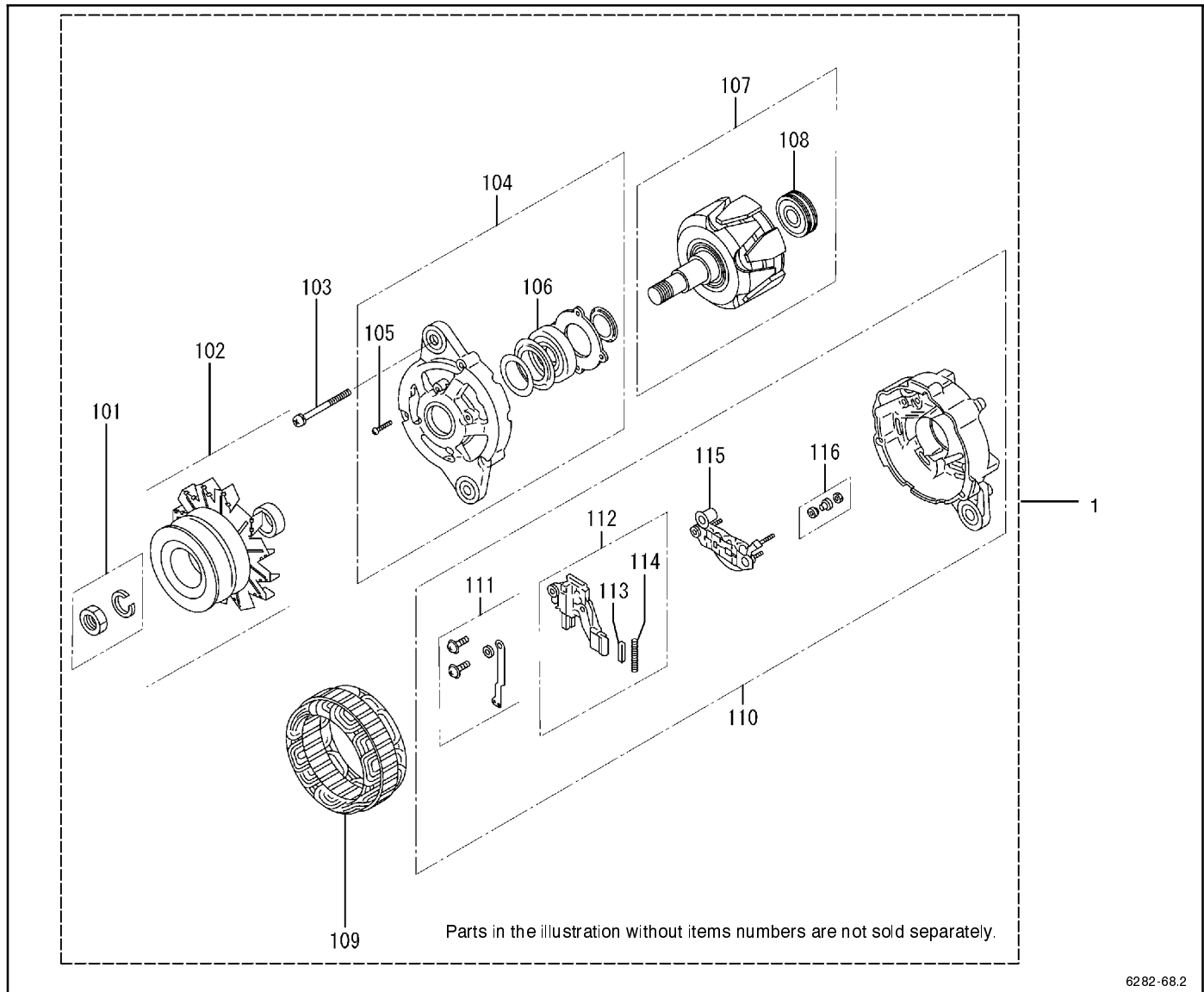
Group 68.1: Alternator Mounting, continued



6282-68.1_2

Item	Part No.	Description	Qty.
			Var. 2
1	GM36958	Bracket, alternator	1
2	GM31496	Connector	1
3	GM15159	Bolt w/washer	2
4	GM15159	Bolt w/washer	4
5	GM15140	Bolt	1
6	GM22096	Bolt	1
7	GM15165	Nut	1
8	GM15180	Washer, spring	1
9	GM36960	Plate, adjusting	1
10	GM36961	Bolt	1
11	GM15181	Washer, spring	1
12	GM15992	Washer	1
13	GM15150	Bolt	1
14	GM15175	Washer	1
15	GM36962	V-belt, alternator	1
16	GM57428	Stay, alternator	1
17	GM57429	Stay, alternator	1

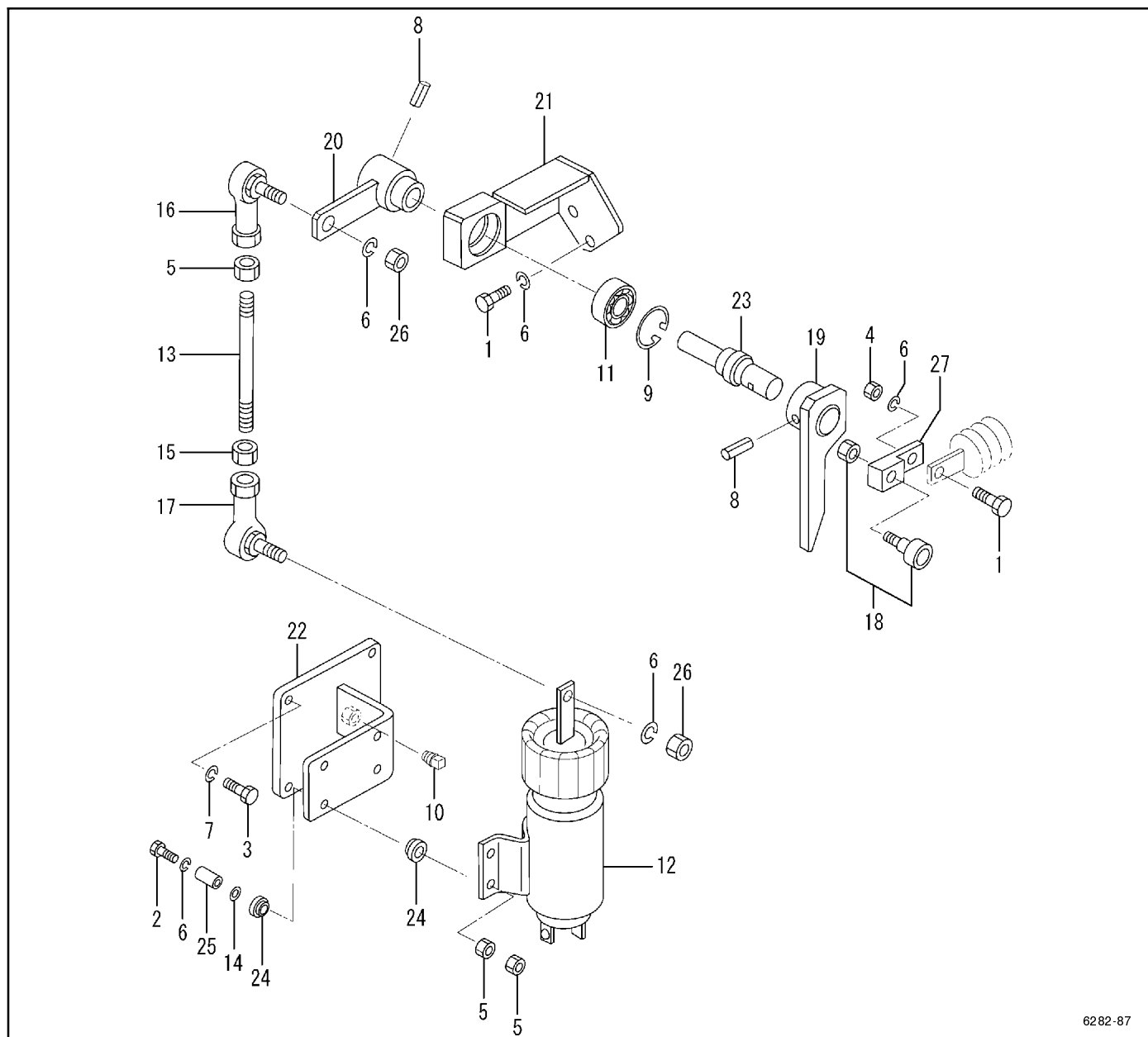
Group 68.2: Alternator



6282-68.2

Item	Part No.	Description	Qty. Var.
1	GM36963	Alternator assembly	1
101	GM15092	Nut set	1
102	GM36964	Pulley assembly	1
103	GM36965	Screw, set	1
104	GM36966	Bracket assembly, front	1
105	GM36967	Screw, set	1
106	GM36968	Bearing	1
107	GM36969	Rotor assembly	1
108	GM36970	Bearing, rear	1
109	GM36971	Stator	1
110	GM36972	Bracket	1
111	GM36973	Terminal	1
112	GM36974	Regulator assembly	1
113	GM36975	Brush	2
114	GM36976	Spring, brush	2
115	GM36977	Rectifier assembly	1
116	GM36978	Nut, set	1

Group 87: Stop System

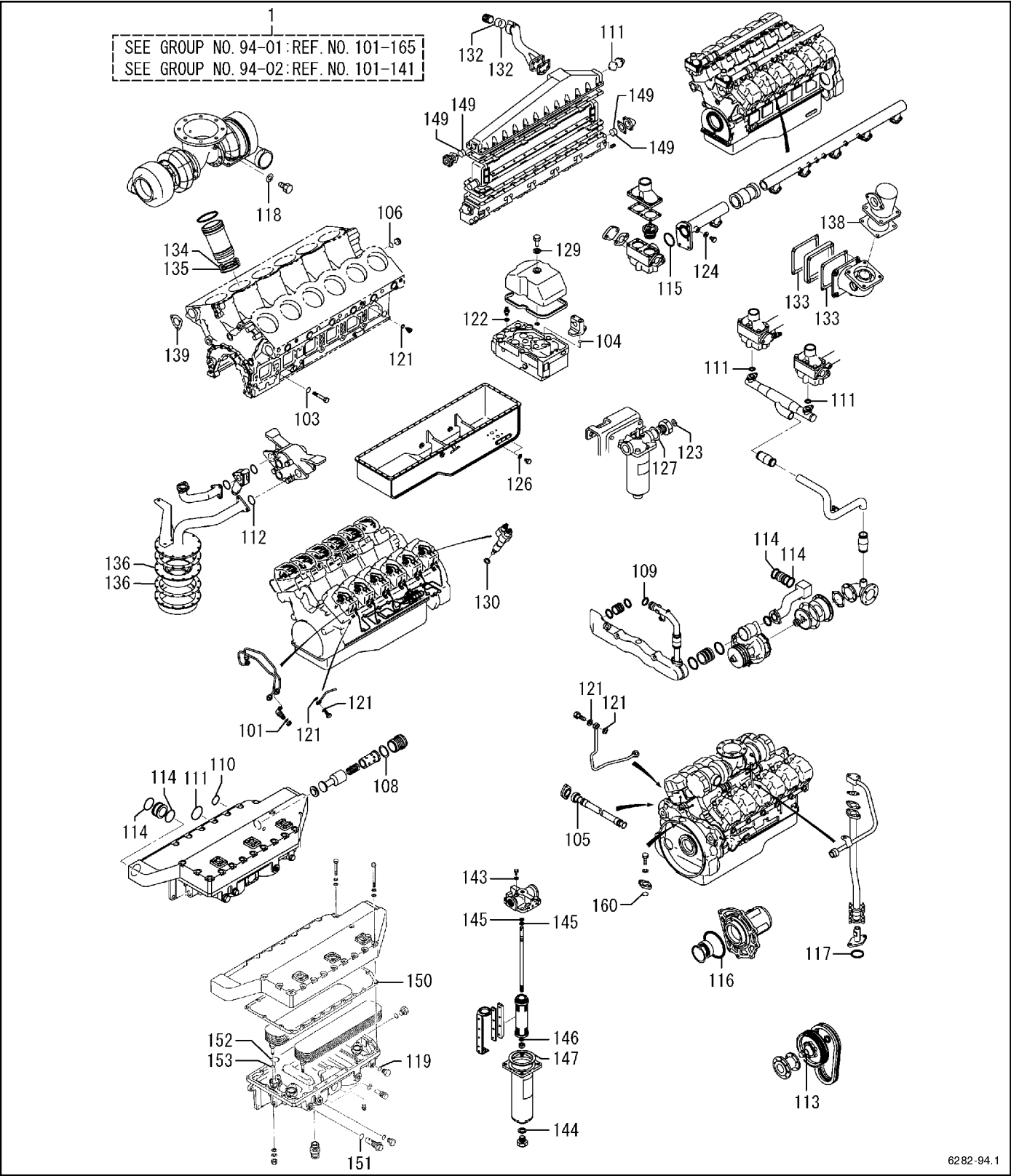


6282-87

Item	Part No.	Description	Qty.
			Var.
1	GM36628	Bolt	3
2	GM15101	Bolt	4
3	GM15129	Bolt	4
4	GM15162	Nut	1
5	GM15169	Nut	9
6	GM15177	Washer, spring	9
7	GM15179	Washer, spring	4
8	GM36979	Pin, spring	2
9	GM15220	Ring, snap	1
10	GM16035	Plug, tapered	1
11	GM15257	Bearing, ball	1
12	GM21598	Solenoid, stop	1
13	GM34355	Rod	1
14	GM14555	Washer	4

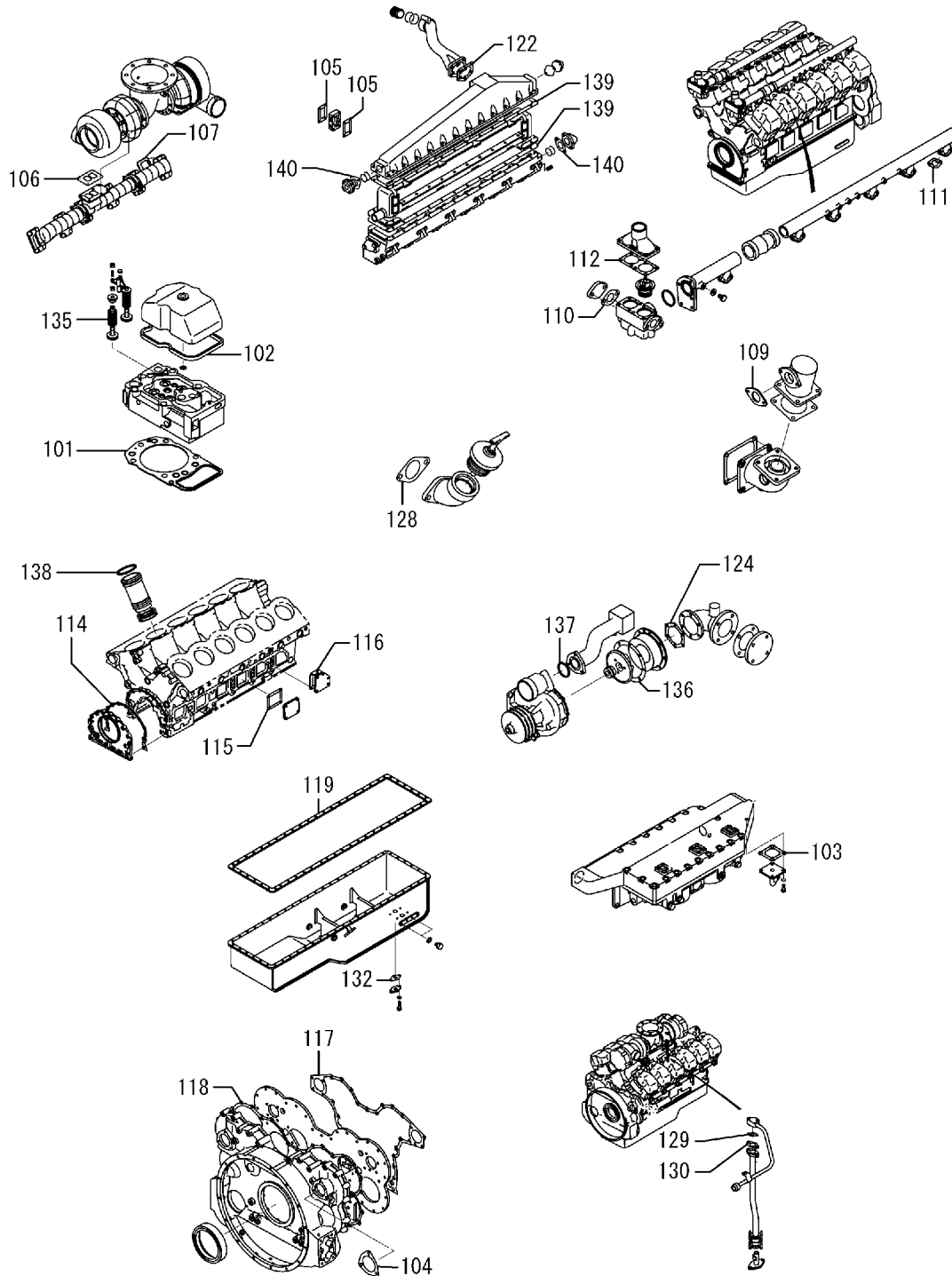
Item	Part No.	Description	Qty.
			Var.
15	GM14556	Nut	1
16	GM31499	Joint, ball	1
17	GM31500	Joint, ball	1
18	GM14991	Follower	1
19	GM36980	Lever	1
20	GM36981	Lever	1
21	GM36982	Support	1
22	GM36983	Cover	1
23	GM36984	Shaft	1
24	GM14998	Cushion, rubber	8
25	GM14999	Spacer	4
26	GM14522	Nut, lock	2
27	GM36985	Connector	1

Group 94.1: Overhaul Gasket Kit



Item	Part No.	Description	Qty. Var.
1	GM36986	Gasket kit, overhaul	1

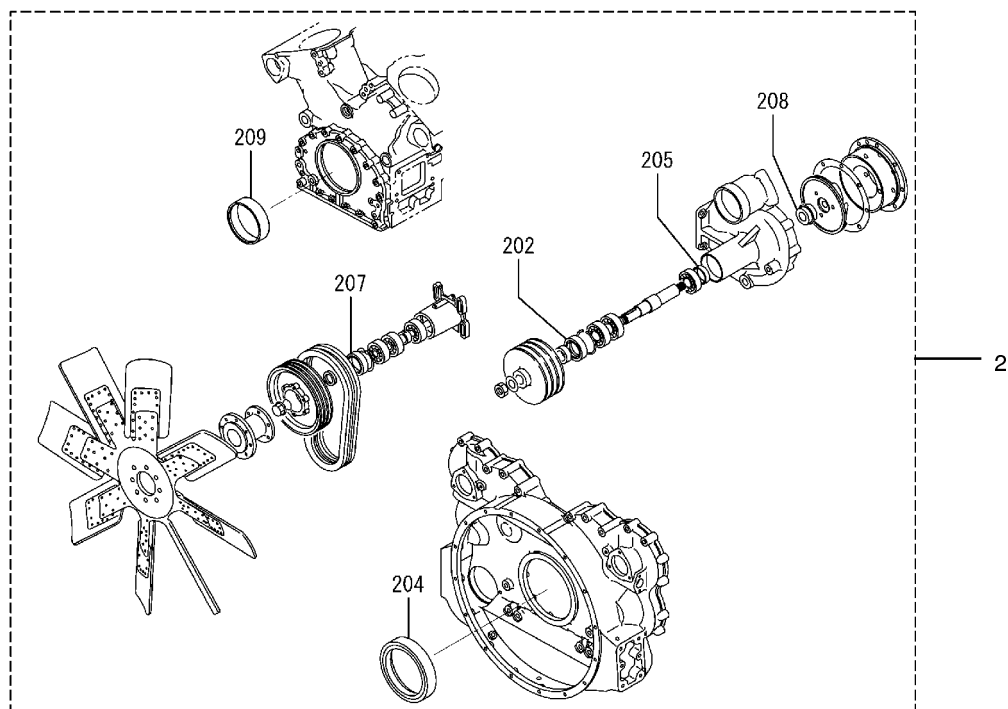
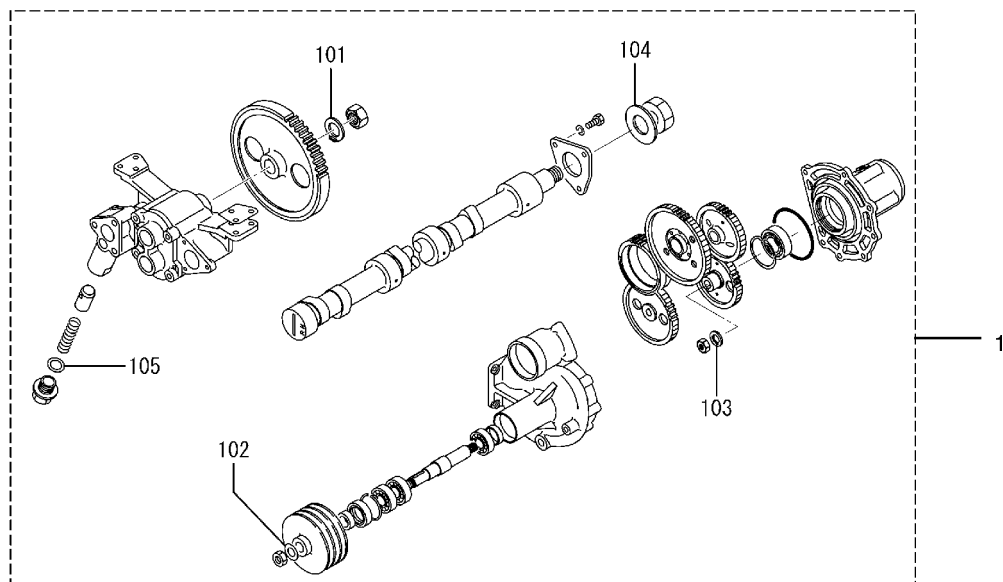
Group 94.2: Overhaul Gasket Kit, continued



6282-94.1

Item	Part No.	Description	Qty. Var.
1	GM36986	Gasket kit, overhaul	1

Group 94.3: Oil Seal Kit



6282-94.2

Item	Part No.	Description	Qty. Var.	Item	Part No.	Description	Qty. Var.
1	GM36987	Washer kit, lock	1	202	GM36542	Seal, oil	1
101	GM36447	Washer	1	203	GM36992	Seal assembly, oil	2
102	GM36543	Washer	1	204	GM36993	Seal, oil	1
103	GM36988	Washer, lock	2	205	GM36551	Seal, oil	1
104	GM36989	Washer, lock	2	206	GM36994	Seal, oil	2
105	GM36990	Washer	1	207	GM36604	Seal, oil	1
2	GM36991	Seal kit, oil	1	208	GM31685	Seal, unit	1
201	GM36408	Seal, oil	2	209	GM36995	Seal, oil	1

TP-6282 5/12c

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