



BS6D105-1 ENGINE

**ON
BE220 EXCAVATOR**

PARTS CATALOGUE

BEML LIMITED
MYSORE, INDIA.



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FOREWORD

Parts book details are subject to periodical changes due to design improvements, standardisation, etc.,

It is recommended that customers contact Beml service centres for information on latest revision.

To avoid errors in ordering , the following procedures should be followed:

1. Be sure to give the serial number of engine.
2. Give the part number, name of part and quantity ordered. Ensure the part number is applicable for the particular engine Sl.no.
3. Give the desired destination and method of shipment along with any special invoicing instructions.

EXPLANATION OF PARTS BOOK :

DETAIL	EXPLANATION
ENGINE /EQPT.	"Engine and applicable eqpt. Model" to which this parts book belongs to.
FIG. No.	Generally a fig. number indicates an assembly group.
ITEM	The item number is the Sl.no. of the part as mentioned in the figure.
PART NUMBER	The number by which the parts are identified. This shall be quoted in the order.
NAME OF PART	Component / Assembly name. This shall be quoted in the order.
QUANTITY	If no level code : Means quantity per engine. With level code : Means quantity per assembly to which it is a part
ENGINE SL. No.	Engine serial numbers to which the part is applicable. If no number appears after "-" the part is currently applicable.
*	This part is not supplied as individual part but supplied only as assembly
LEVEL CODE }	One of this level codes when mentioned against "name of part", indicates level in assembly. Parts with no level code are assembled directly to engine. '...' items are part of '..' '..' items are part of '.'
K1, K2, ETC.,	When followed with part number it indicates that it is part of a gasket kit.
OP	Optional part. This part is not included in a standard engine. This part can be separately ordered.
STD.	Standard part
U/S	Under – size part
O/S	Over – size part
AR	As required.

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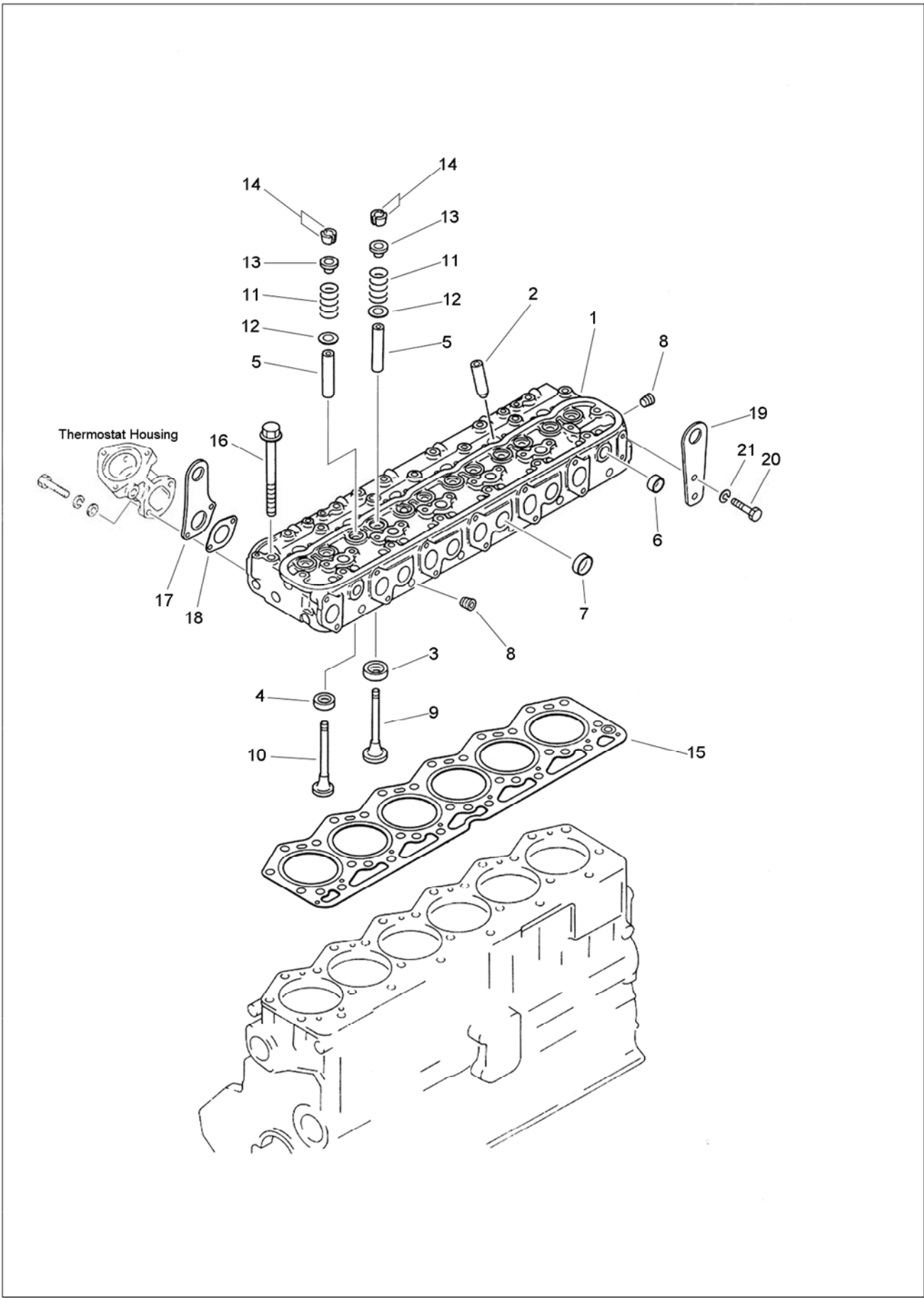
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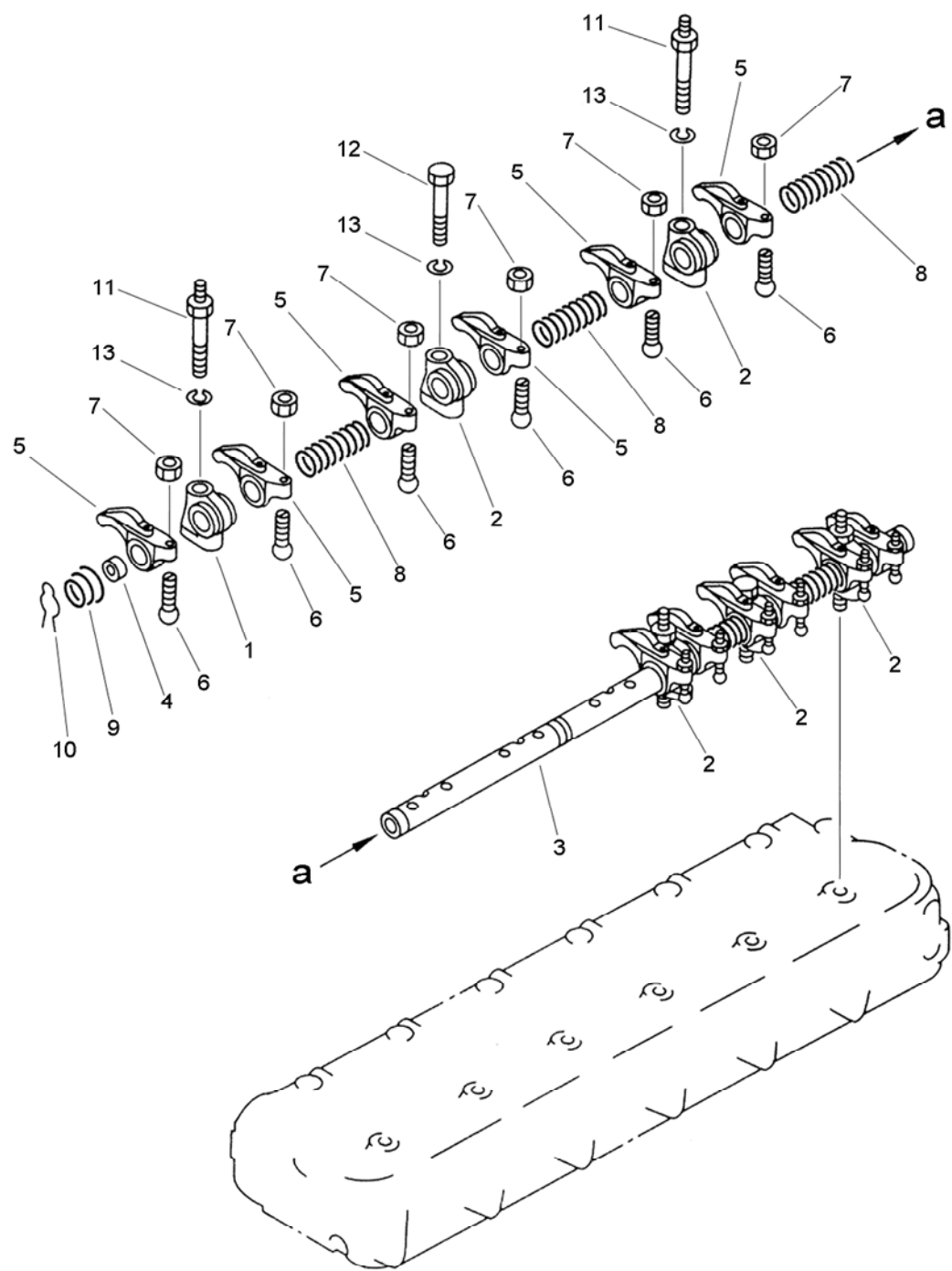
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CYLINDER HEAD

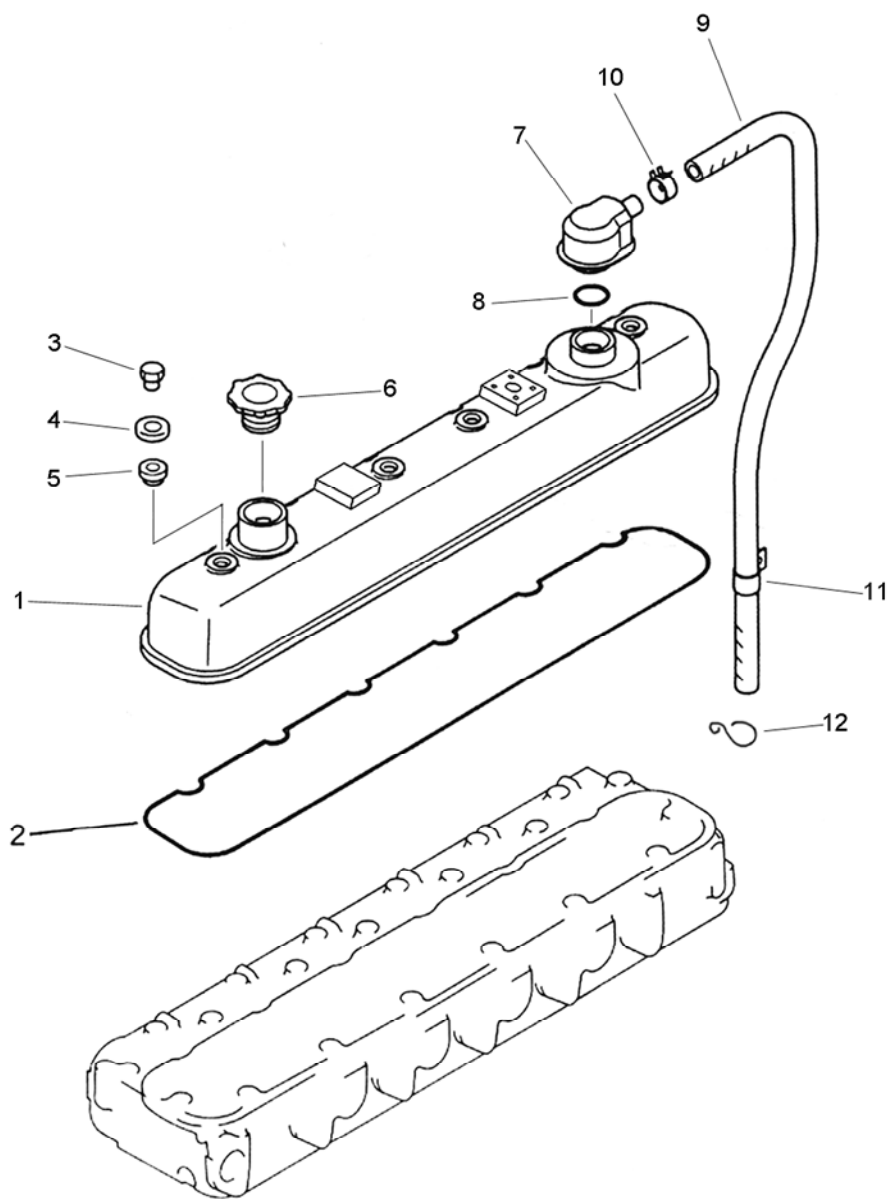
FIG. No. 1010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z1100147	CYLINDER HEAD ASSY, WITH VALVE	1	Z111550001
	11Z1100058	. CYLINDER HEAD ASSY, LESS VALVE	1	Z111550001
1	*11Z1140023	.. CYLINDER HEAD	1	Z111550001
2	30Z1120158	.. SLEEVE, NOZZLE HOLDER	6	Z111550001
3	11Z1180038	.. SEAT, VALVE, INTAKE, STD	6	Z111550001
3	11Z1180062	.. SEAT, VALVE, INTAKE, O/S 0.25	6	Z111550001
3	11Z1180079	.. SEAT, VALVE, INTAKE, O/S 0.50	6	Z111550001
3	11Z1180087	.. SEAT, VALVE, INTAKE, O/S 0.75	6	Z111550001
3	11Z1180095	.. SEAT, VALVE, INTAKE, O/S 1.00	6	Z111550001
4	10Z1180049	.. SEAT, VALVE, EXHAUST, STD.	6	Z111550001
4	11Z1180102	.. SEAT, VALVE, EXHAUST O/S 0.25	6	Z111550001
4	11Z1180119	.. SEAT, VALVE, EXHAUST O/S 0.50	6	Z111550001
4	11Z1180127	.. SEAT, VALVE, EXHAUST O/S 0.75	6	Z111550001
4	11Z1180135	.. SEAT, VALVE, EXHAUST O/S 1.00	6	Z111550001
5	10Z1180081	.. GUIDE	12	Z111550001
5	10Z1180138	.. GUIDE, VALVE, SEMIFINISHED	12	Z111550001
6	07046-42816	.. PLUG, EXPANSION	13	Z111550001
7	07046-44016	.. PLUG	9	Z111550001
8	07043-50108	.. PLUG	7	Z111550001
9	11Z1110045	. VALVE, INTAKE	6	Z111550001
10	10Z1180073	. VALVE, EXHAUST	6	Z111550001
11	10Z1180057	. SPRING VALVE	12	Z111550001
12	10Z1110112	. SEAT SPRING	12	Z111550001
13	10Z1110097	. GUIDE, SPRING	12	Z111550001
14	30Z1110049	. COTTER VALVE	24	Z111550001
15	10Z1170061	K1 GASKET, HEAD	1	Z111550001
16	10Z1150102	BOLT, HEAD	26	Z111550001
17	10Z2210028	HANGER, FRONT	1	Z111550001
18	10Z2270017	K1 GASKET	1	Z111550001
19	11Z2210058	HANGER, REAR	1	Z111550001
20	CFB01-21025	BOLT	2	Z111550001
21	CFW01-11030	WASHER	2	Z111550001



ROCKER ARM**FIG. No. 1110**

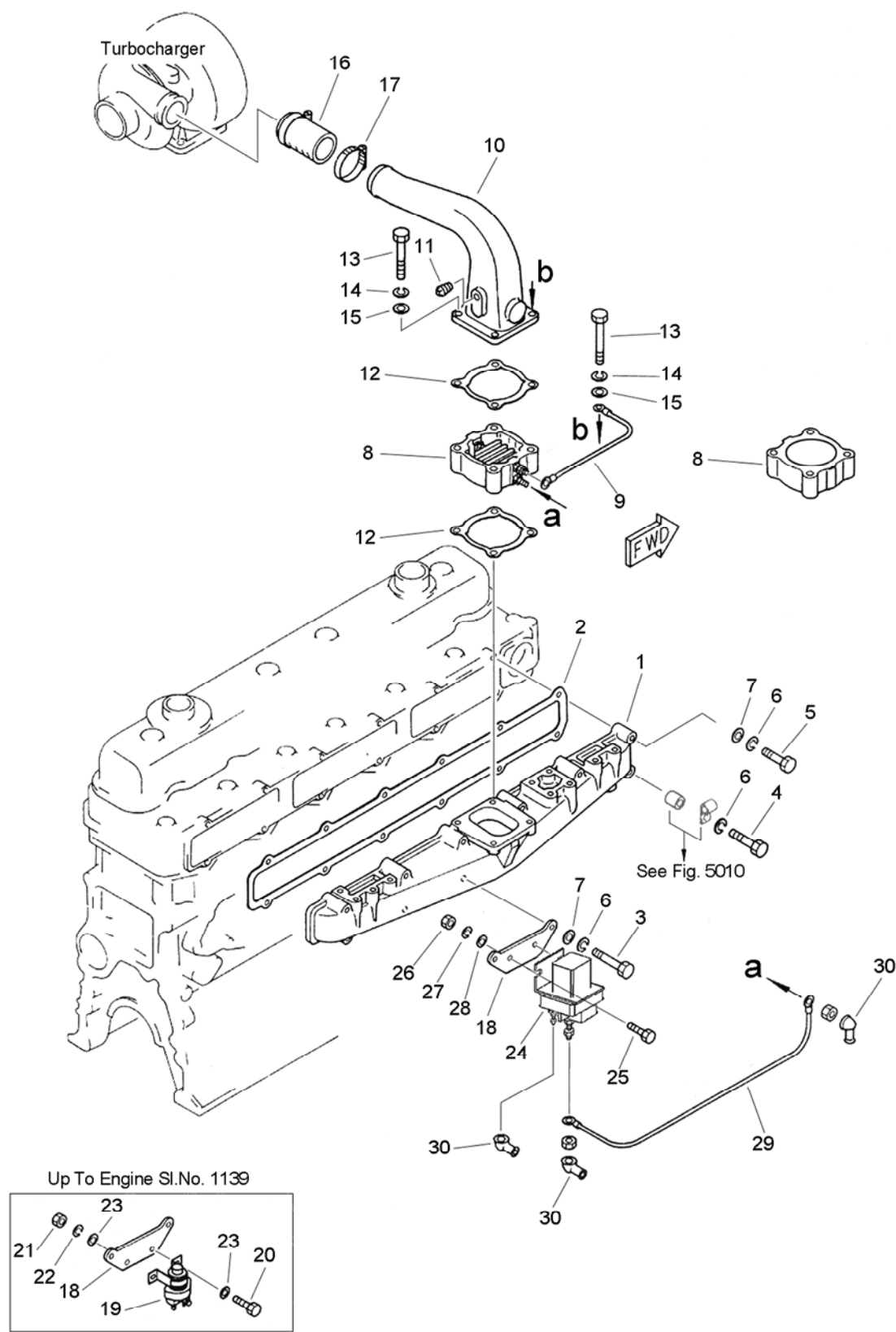
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z4100022	ROCKER ARM ASSY.	1	Z111550001-
1	11Z4140053	. BRACKET	1	Z111550001-
2	11Z4140061	. BRACKET	5	Z111550001-
	11Z4100111	. ROCKER SHAFT ASSY.	1	Z111550001-
3	*11Z4180084	.. SHAFT	1	Z111550001-1167
3	*10Z4140356	.. SHAFT	1	Z111551168-
4	10Z4110191	.. PLUG	2	Z111550001-
5	10Z4140072	. ROCKER ARM	12	Z111550001-
6	10Z4110175	. SCREW, ADJUST	12	Z111550001-
7	CFN01-20868	. NUT, LOCK	12	Z111550001-
8	10Z4110215	. SPRING	5	Z111550001-
9	10Z4110223	. SPRING, CONICAL	2	Z111550001-
10	10Z4110231	. CLIP	2	Z111550001-
11	10Z4110142	STUD	4	Z111550001-
12	CFB01-21280	BOLT	2	Z111550001-
13	CFW01-11236	WASHER, SPRING	6	Z111550001-



CYLINDER HEAD COVER

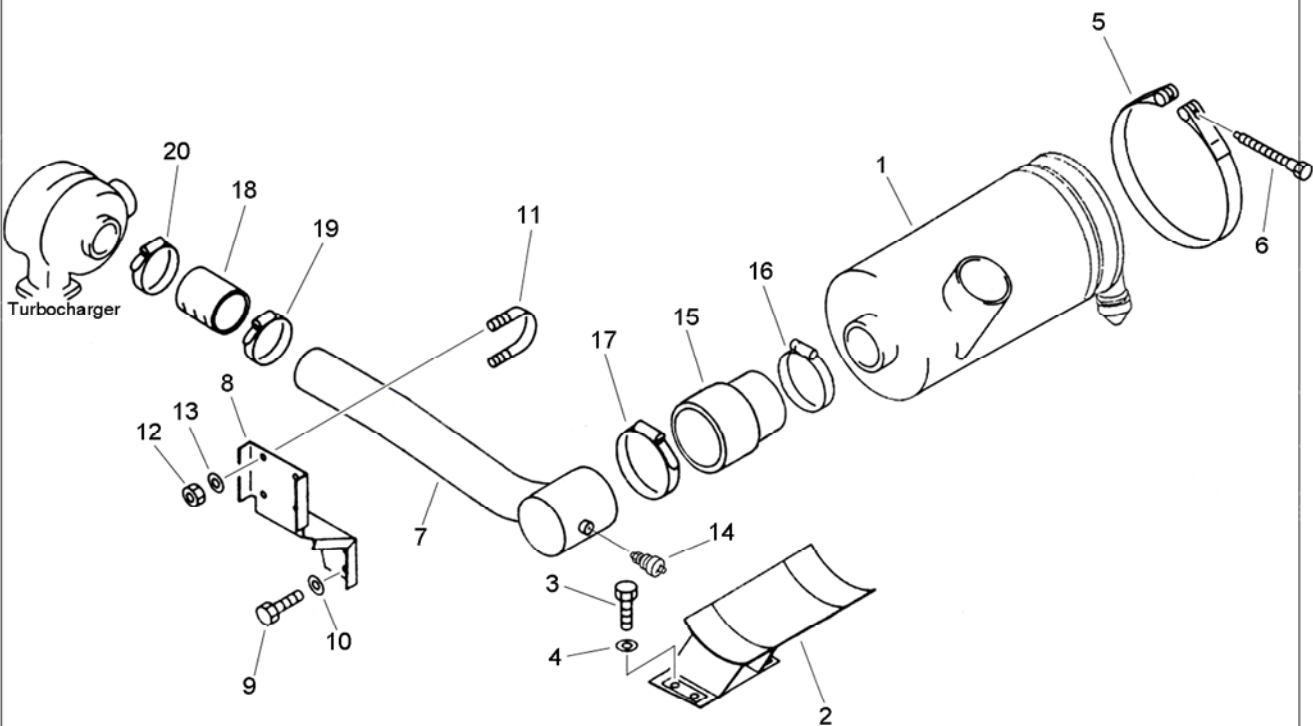
FIG. No. 1150

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z4120013	COVER,CYL HEAD	1	Z111550001-0675
1	11Z4120176	COVER,CYL HEAD	1	Z111550676-0815
1	11Z4120013	COVER,CYL HEAD	1	Z111550816-0899
1	11Z4120192	COVER,CYL HEAD	1	Z111550900-
2	10Z4160209 K1	SEAL	1	Z111550001-0675
2	10Z4160314 K1	GASKET	1	Z111550676-0815
2	10Z4160209 K1	SEAL	1	Z111550816-
3	10Z4110086	NUT	4	Z111550001-
4	10Z4110183	WASHER	4	Z111550001-
5	10Z4170034 K1	PACKING	4	Z111550001-
6	11Z4180165	CAP, OIL FILLER	1	Z111550001-
7	10Z4180127	BREATHER ASSY.	1	Z111550001-0438
7	30Z2180392	BREATHER ASSY.	1	Z111550439-
8	30Z2160271 K1	O-RING	1	Z111550001-
9	07287-01912	HOSE	1	Z111550001-
10	07285-00230	CLIP	1	Z111550001-0438
10	07285-00220	CLIP	1	Z111550439-0897
10	CCC01-03008	CLIP	1	Z111550898-
11	31Z5190544	CLAMP	1	Z111550001-
12	30Z2190411	CLIP	1	Z111550001-



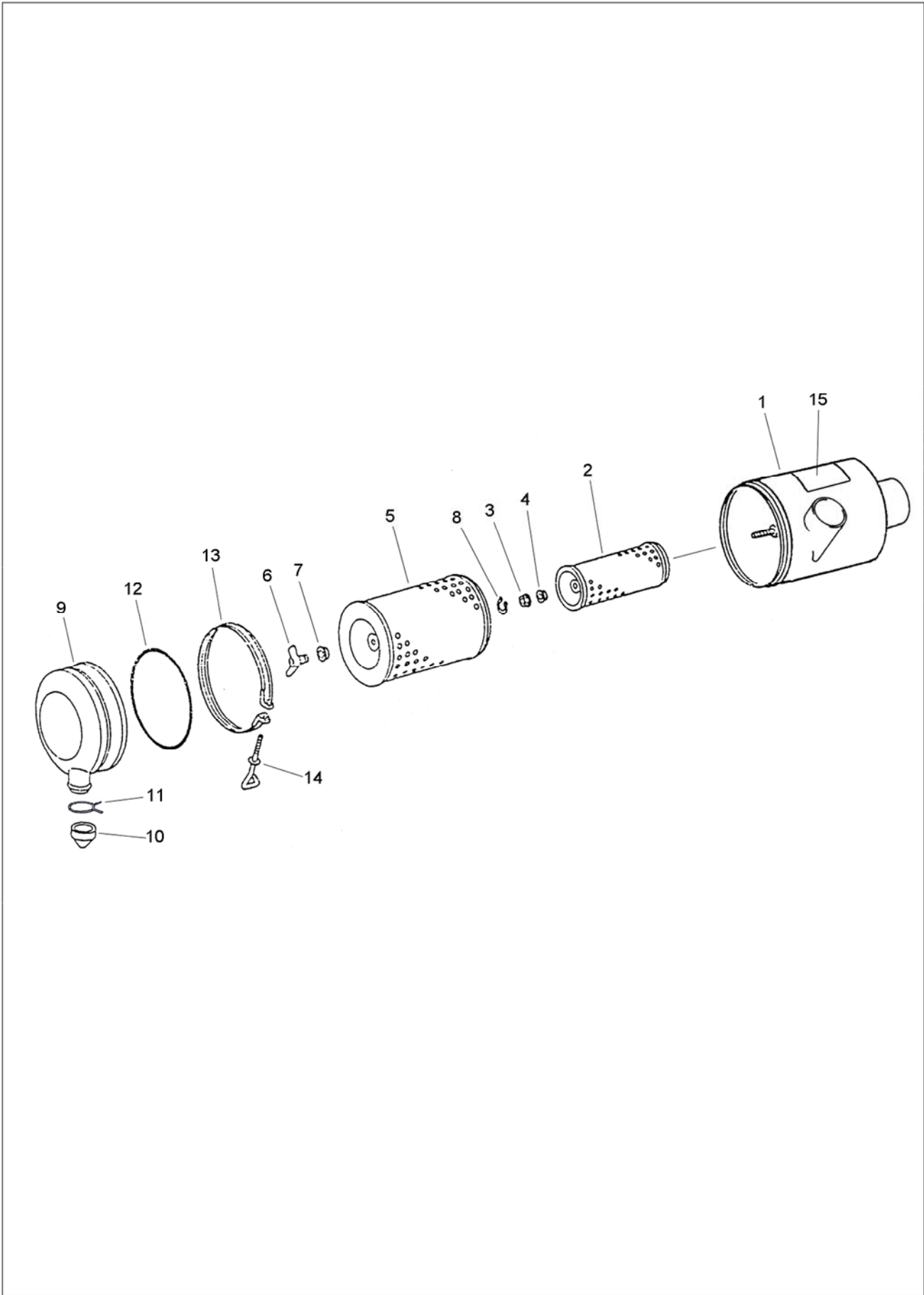
INTAKE MANIFOLD
FIG. No. 1310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z1220095	MANIFOLD,INTAKE	1	Z111550001-
2	10Z1280213 K1	GASKET INTAKE	1	Z111550001-
3	CFB01-20865	BOLT	10	Z111550001-
4	CFB01-20890	BOLT	1	Z111550001-
5	CFB01-20850	BOLT	1	Z111550001-
6	CFW01-10825	WASHER SPRING	12	Z111550001-
7	CFW02-10816	WASHER	11	Z111550001-
8	10Z1220346	SPACER	1	Z111550001-
8	10Z1280181	RIBBON HEATER (OPT)	1	Z111550001-
9	11Z8200632	WIRE (OPT)	1	Z111551140-
10	11Z1220019	CONNECTOR	1	Z111550001-0665
10	11Z1220262	CONNECTOR	1	Z111550666-
11	CPL01-10810	PLUG	1	Z111550001-
12	10Z1270226 K1	GASKET	2	Z111550001-
13	CFB01-20870	BOLT	4	Z111550001-
14	CFW01-10825	WASHER SPRING	4	Z111550001-
15	CFW02-10816	WASHER	4	Z111550001-
16	11Z1280081	HOSE	1	Z111550001-
17	CCC01-07020	CLAMP	2	Z111550001-0897
17	11Z1280438	CLAMP	2	Z111550898-
18	10Z8210063	PLATE (OPT)	1	Z111550001-1139
18	11Z1210494	PLATE (OPT)	1	Z111551140-
19	30Z8280098	SWITCH,HEATER (OPT)	1	Z111550001-1139
20	CFS01-30620	SCREW (OPT)	2	Z111550001-1139
21	CFN01-20652	NUT (OPT)	2	Z111550001-1139
22	CFW01-10619	WASHER,SPRING (OPT)	2	Z111550001-1139
23	CFW03-10616	WASHER (OPT)	4	Z111550001-1139
24	30Z8281061	SOLENOID 4ST	1	Z111551140-
25	CFS01-30516	SCREW (OPT)	2	Z111551140-
26	CFN01-20547	NUT (OPT)	2	Z111551140-
27	CFW01-10513	WASHER,SPRING (OPT)	2	Z111551140-
28	CFW02-10510	WASHER (OPT)	2	Z111551140-
29	10Z8280031	WIRE (OPT)	1	Z111550001-1139
29	11Z8200624	WIRE (OPT)	1	Z111551140-
30	08038-00519	CAP (OPT)	3	Z111550001-



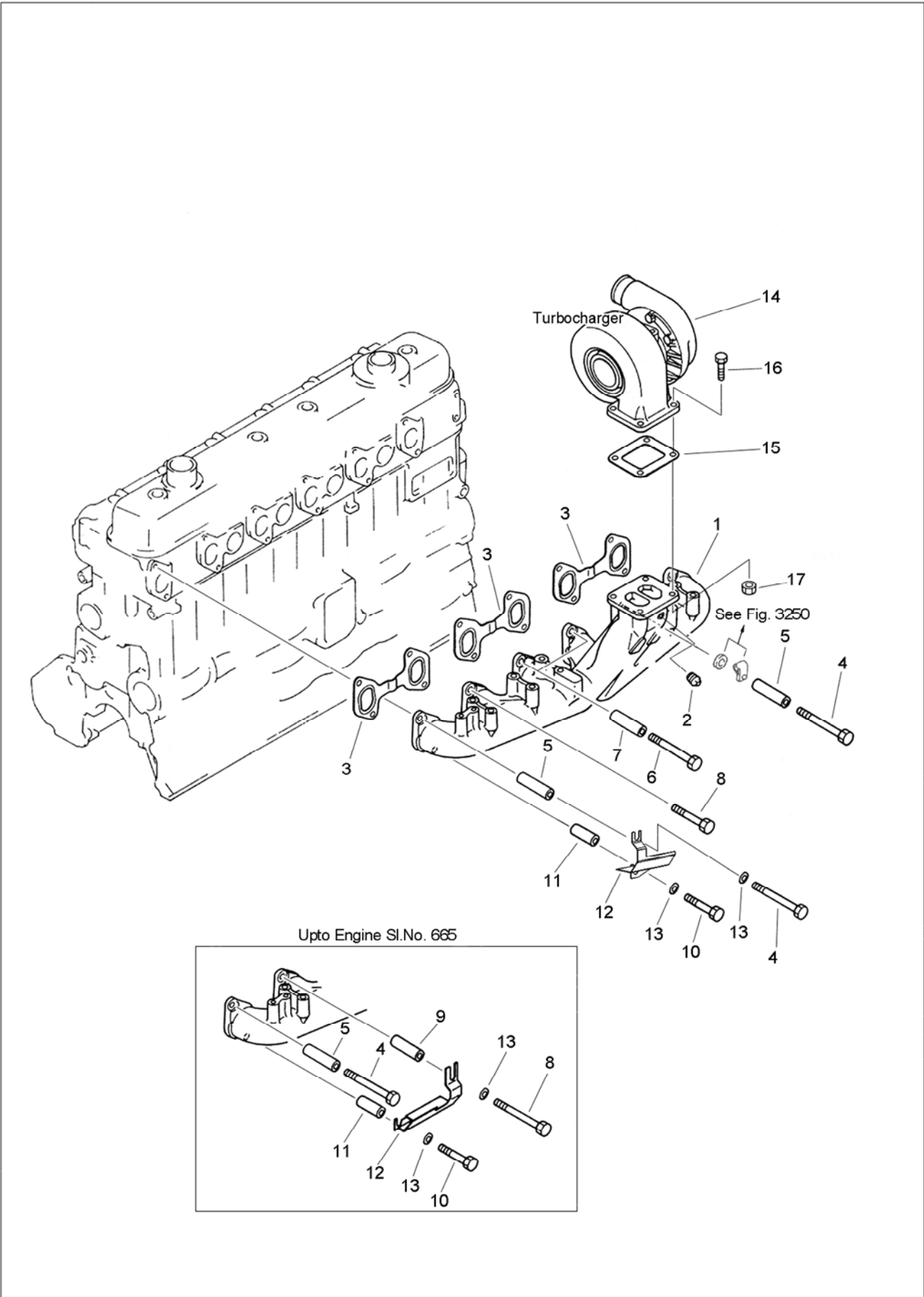
AIR CLEANER & MOUNTING**FIG. No. 1410**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1280032	AIR CLEANER ASSY.	1	Z111550001-0353
1	11Z1200174	AIR CLEANER ASSY.	1	Z111550354-
2	11Z1230428	BRACKET	1	Z111550001-0353
2	11Z1200166	BRACKET	1	Z111550354-0665
2	11Z1200271	BRACKET	1	Z111550666-
3	CFB01-21030	BOLT	4	Z111550001-
4	CFW01-11030	WASHER	4	Z111550001-
5	10Z1280198	BAND	1	Z111550001-0353
5	30Z1280255	BAND	2	Z111550354-
6	30Z1210043	BOLT	2	Z111550001-
7	11Z1210153	TUBE	1	Z111550001-
8	11Z1200214	BRACKET	1	Z111550001-0665
8	11Z1210323	BRACKET	1	Z111550666-
9	CFB01-21030	BOLT	2	Z111550001-
10	CFW05-10032	WASHER	2	Z111550001-
11	07283-27663	CLAMP	2	Z111550001-
12	CFN28-11011	NUT	4	Z111550001-
13	CFW05-10032	WASHER	4	Z111550001-
14	08670-02001	DUST INDICATOR	1	Z111550001-
15	11Z1280138	HOSE	1	Z111550001-
16	CCC01-11520	CLAMP	1	Z111550001-0897
16	11Z1280446	CLAMP	1	Z111550898-
17	CCC01-14520	CLAMP	1	Z111550354-0897
17	11Z1280454	CLAMP	1	Z111550898-
18	11Z1260147	HOSE	1	Z111550001-0665
18	11Z1260285	HOSE	1	Z111550666-
19	CCC01-09020	CLAMP	2	Z111550001-0897
19	11Z1280462	CLAMP	1	Z111550898-
20	11Z1280479	CLAMP	1	Z111550898-



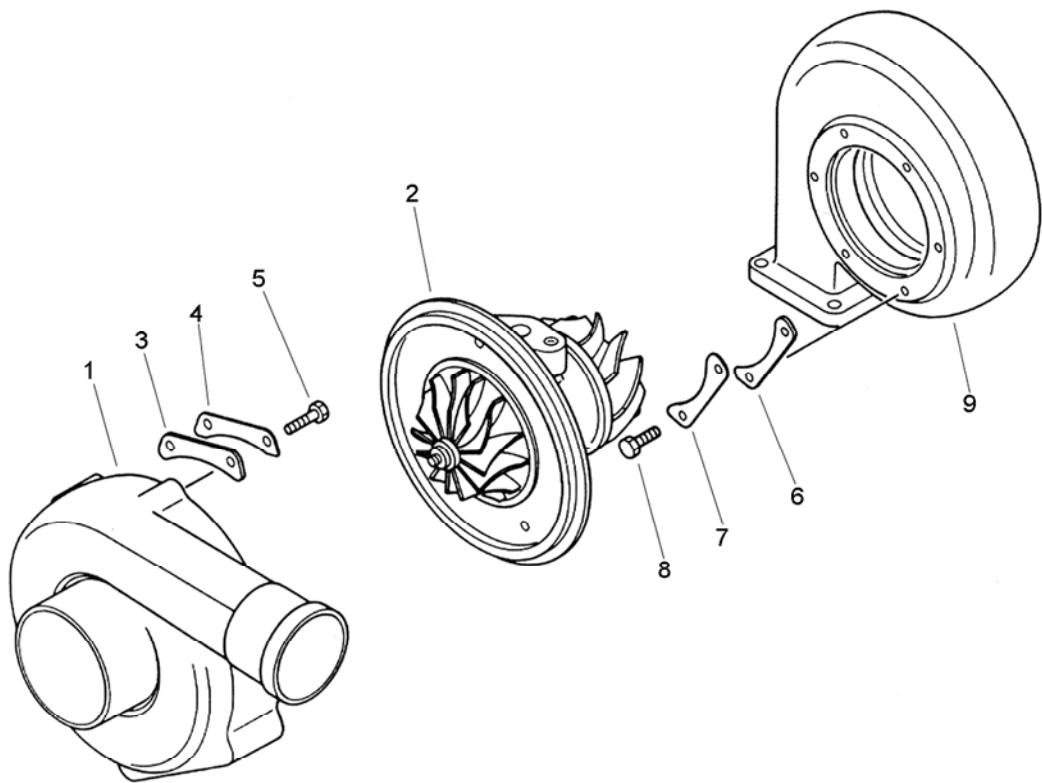
AIR CLEANER
FIG. No. 1411

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z1280032	AIR CLEANER ASSY.	1	Z111550001-0353
	11Z1200174	AIR CLEANER ASSY.	1	Z111550354-
1	11Z1280073	. BODY	1	Z111550001-0353
1	11Z1200182	. BODY	1	Z111550354-
	11Z1280057	. ELEMENT ASSY.	1	Z111550001-0353
	30Z1280296	. ELEMENT ASSY.	1	Z111550354-
2	11Z1280049	.. ELEMENT INNER	1	Z111550001-0353
2	30Z1280158	.. ELEMENT INNER	1	Z111550354-
3	31Z1280163	.. NUT SPECIAL	1	Z111550001-0353
3	30Z1280222	.. NUT SPECIAL	1	Z111550354-
4	30Z1280214	.. SEAL WASHER	1	Z111550001-
	11Z1280065	.. ELEMENT OUTER ASSY.	1	Z111550001-0353
	30Z1280133	.. ELEMENT OUTER ASSY.	1	Z111550354-
5	11Z1280098	... ELEMENT OUTER	1	Z111550001-0353
5	30Z1280141	... ELEMENT OUTER	1	Z111550354-
6	11Z1280105	... WING NUT	1	Z111550001-0353
6	30Z1280199	... WING NUT	1	Z111550354-
7	11Z1280113	... GASKET	1	Z111550001-0353
7	30Z1280206	... SEAL WASHER	1	Z111550354-
8	CFL01-11510	... SNAP RING	1	Z111550354-
9	11Z1200199	. PAN, DUST	1	Z111550354-
10	11Z1280024	. VALVE	1	Z111550001-0353
10	30Z1280174	. VALVE	1	Z111550354-
11	30Z1280311	. CLIP	1	Z111550354-
12	30Z1260094	. O-RING	1	Z111550354-
13	30Z1280288	. BAND	2	Z111550354-
14	30Z1230075	. WING BOLT	1	Z111550354-
15	10Z1270315	CAUTION PLATE	1	Z111550001-



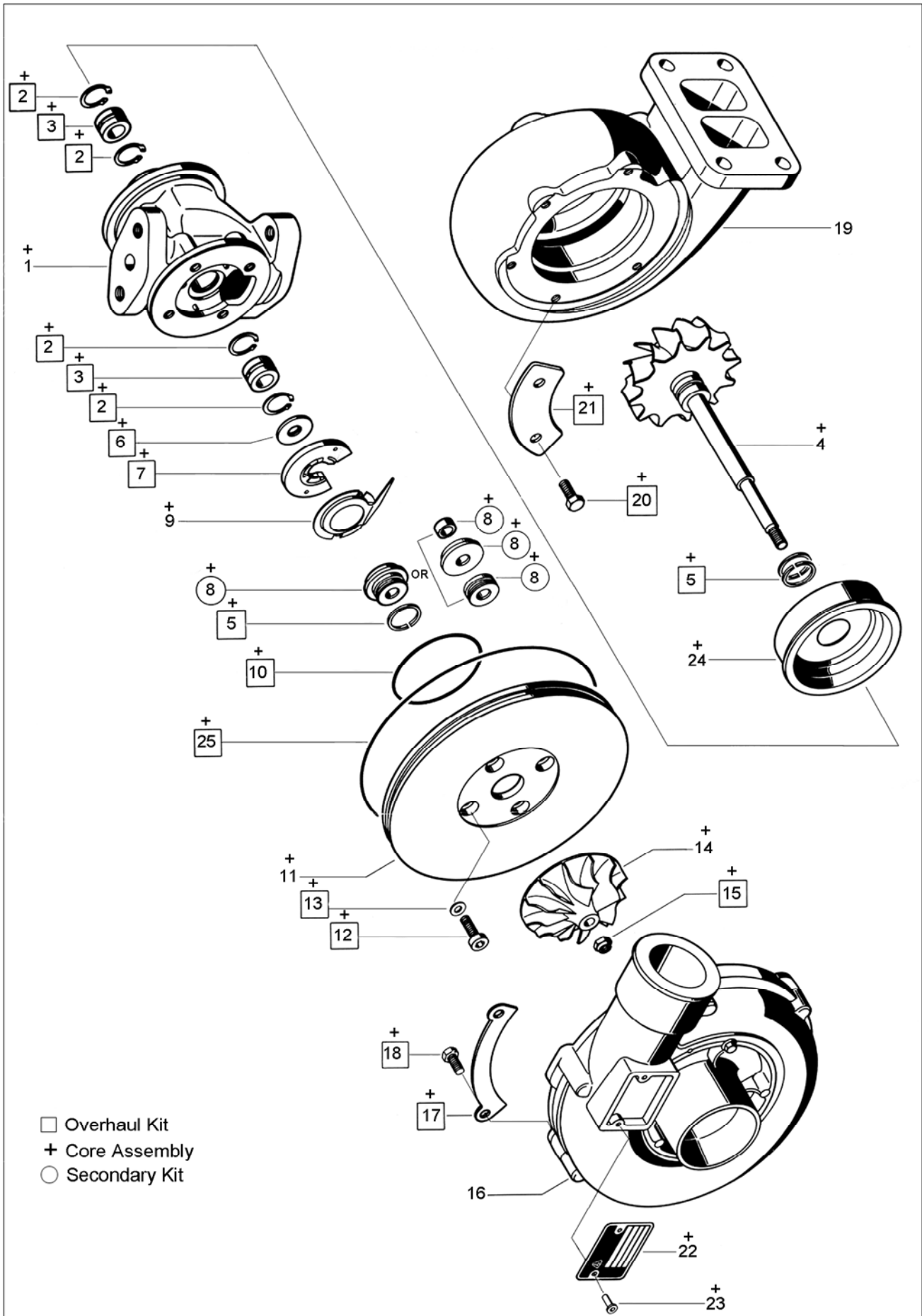
EXHAUST MANIFOLD**FIG. No. 1510**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1340061	MANIFOLD,EXHAUST	1	Z111550001-0665
1	11Z1340167	MANIFOLD, EXHAUST	1	Z111550666-
2	CPL01-20810	PLUG	1	Z111550001-
3	10Z1310086 K1	GASKET, EXHAUST	3	Z111550001-
4	CFB02-21000	BOLT	8	Z111550001-
5	30Z2110059	SPACER	8	Z111550001-
6	CFB02-21015	BOLT	2	Z111550001-
7	11Z1310091	SPACER	2	Z111550001-
8	CFB02-21000	BOLT	1	Z111550001-0665
8	CFB01-21025	BOLT	1	Z111550666-
9	30Z2110059	SPACER	1	Z111550001-0665
10	CFB01-21060	BOLT	1	Z111550001-
11	10Z1310094	SPACER	1	Z111550001-
12	11Z1310018	HEAT SHIELD	1	Z111550001-0665
12	11Z1210356	HEAT SHIELD	1	Z111550666-
13	CFW02-11020	WASHER	2	Z111550001-
14	11Z8100013	TURBOCHARGER ASSY.	1	Z111550001-0665
14	11Z8100192	TURBOCHARGER ASSY.	1	Z111550666-
15	11Z8110099 K1	GASKET	1	Z111550001-0665
15	11Z1210226 K1	GASKET	1	Z111550666-
16	02030-40638	BOLT	4	Z111550001-
17	11Z8110082	NUT	4	Z111550001-



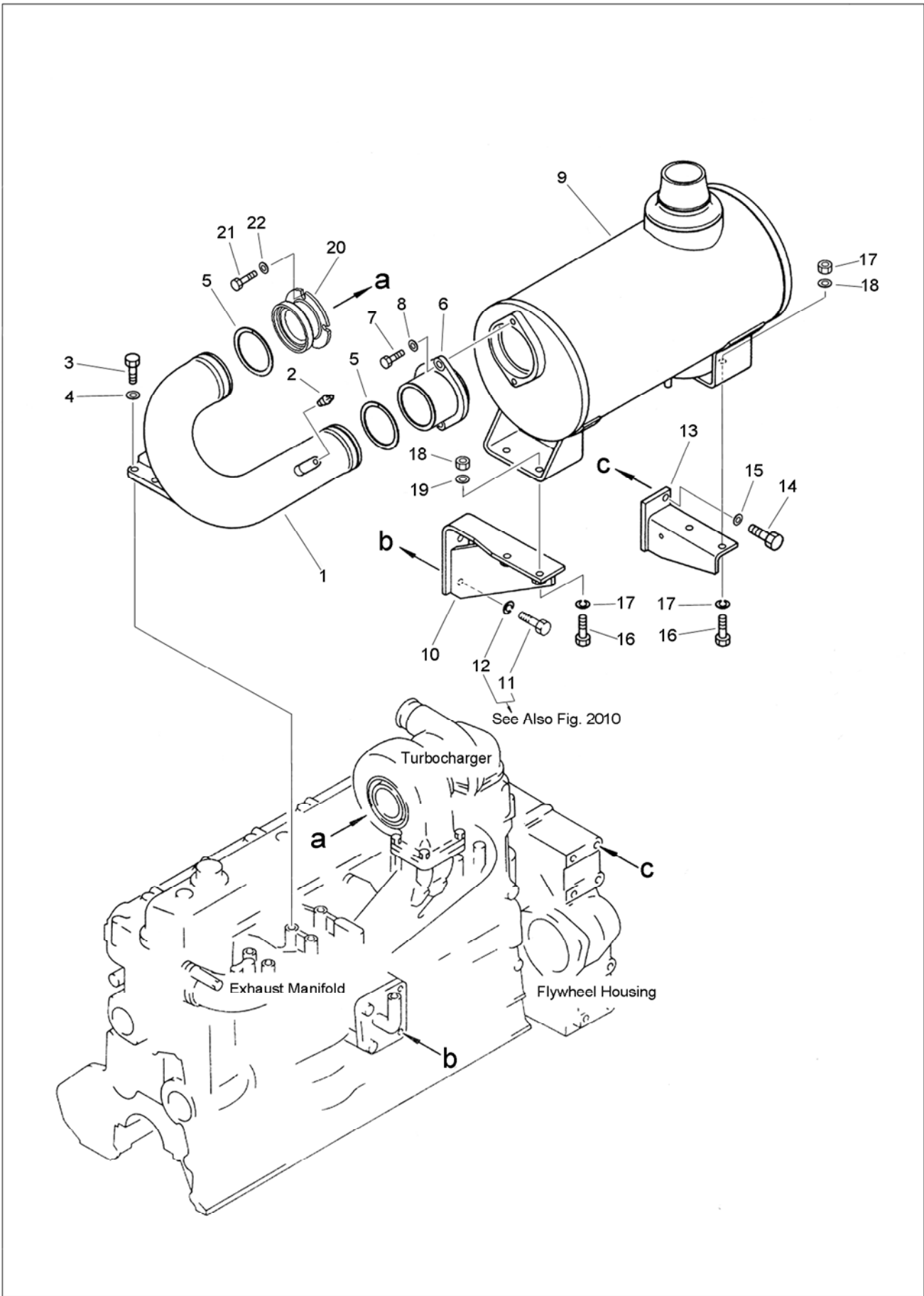
TURBOCHARGER**FIG. No. 1511**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8100013	TURBOCHARGER ASSY.	1	Z111550001-0665
1	11Z8180107	. HOUSING BLOWER	1	Z111550001-0665
2	11Z8180115	. ROTOR ASSY.	1	Z111550001-0665
3	11Z8180123	. CLAMP	3	Z111550001-0665
4	11Z8180131	. PLATE LOCK	3	Z111550001-0665
5	11Z8180148	. BOLT	6	Z111550001-0665
6	11Z8180156	. CLAMP	3	Z111550001-0665
7	11Z8180164	. PLATE, LOCK	3	Z111550001-0665
8	11Z8180172	. BOLT	6	Z111550001-0665
9	11Z8180189	. HOUSING TURBINE	1	Z111550001-0665



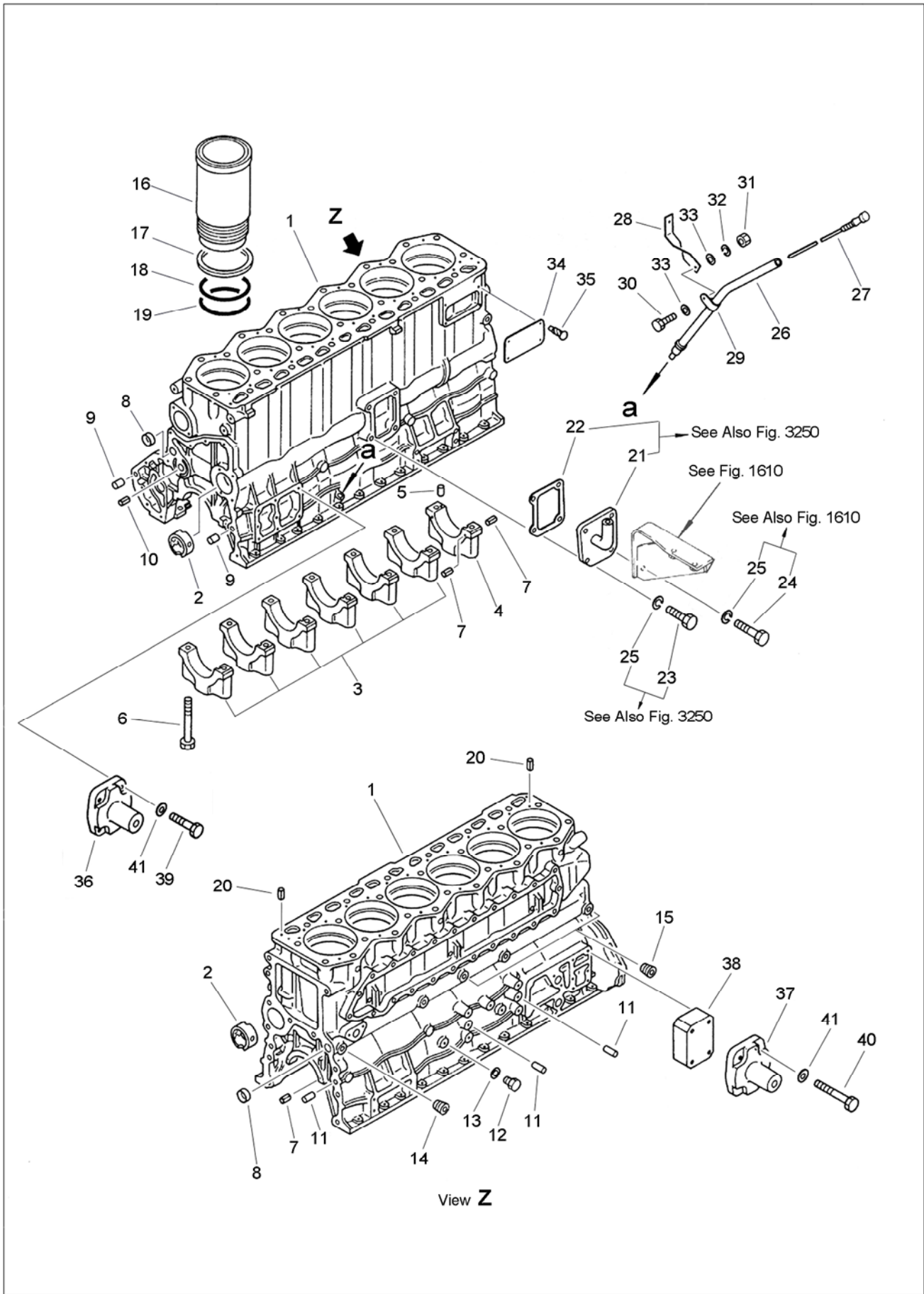
TURBOCHARGER (TEL)
FIG. No. 1512

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8100192	TURBOCHARGER ASSY.	1	Z111550666-
	11Z8100484 KT	CORE ASSY.	1	Z111550666-
	11Z8100492 KT	OVERHAUL KIT	1	Z111550666-
	11Z8100508 KT	SECONDARY KIT	1	Z111550666-
1		BEARING HOUSING	1	Z111550666-
2		SNAP RING	4	Z111550666-
3		JOURNAL	2	Z111550666-
4		SHAFT & TURBINE WHEEL ASSY.	1	Z111550666-
5		PISTON RINGS	2	Z111550666-
6		THRUST RING	1	Z111550666-
7		THRUST PLATE	1	Z111550666-
8		FLINGER SLEEVE	1	Z111550666-
9		OIL DEFLECTOR	1	Z111550666-
10		O-RING	1	Z111550666-
11		BACK PLATE	1	Z111550666-
12		BOLT, SOCKET HEAD	4	Z111550666-
13		WASHER	4	Z111550666-
14		COMPRESSOR WHEEL	1	Z111550666-
15		LOCK, NUT	1	Z111550666-
16	11Z8140385	COMPRESSOR HOUSING	1	Z111550666-
17		SEGMENT COMPRESSOR SIDE	1	Z111550666-
18		BOLT, HEX.	8	Z111550666-
19	11Z8140417	TURBINE HOUSING	1	Z111550666-
20		BOLT, HEX.	6	Z111550666-
21		SEGMENT TURBINE SIDE	3	Z111550666-
22		NAME PLATE	1	Z111550666-
23		RIVET	2	Z111550666-
24		HEAT SHIELD	1	Z111550666-
25		O-RING	1	Z111550666-



MUFFLER**FIG. No. 1610**

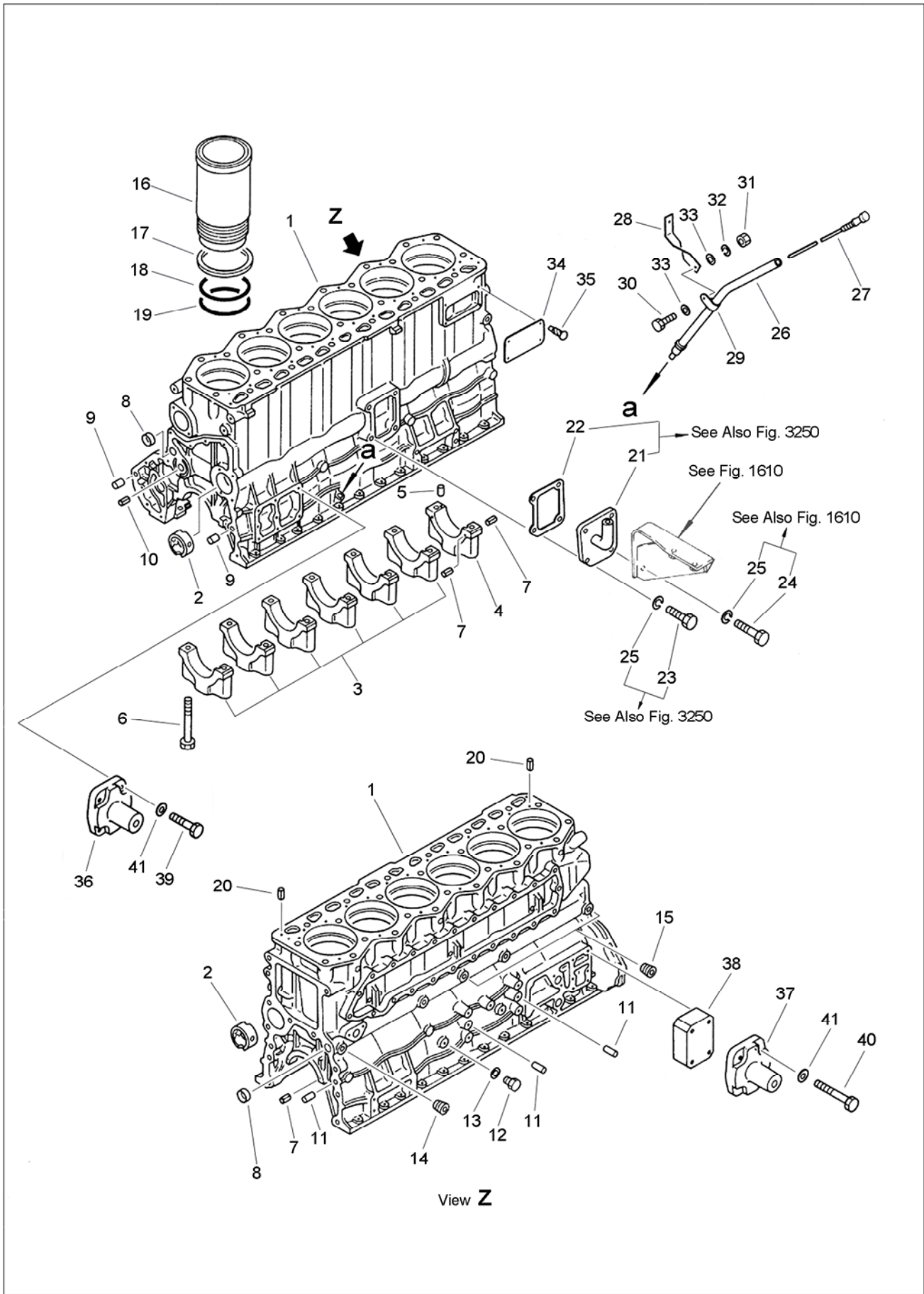
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1340045	CONNECTOR,EXHAUST	1	Z111550001-
2	CPL01-20810	PLUG	1	Z111550001-
3	CFB01-21025	BOLT	4	Z111550001-
4	CFW01-11030	WASHER, SPRING	4	Z111550001-
5	11Z1380076	RING, SEAL	2	Z111550001-
6	11Z1340053	JOINT	1	Z111550001-0665
6	11Z1210291	JOINT	1	Z111550666-
7	11Z1310107	BOLT	2	Z111550001-0899
7	01010-E0820	BOLT	2	Z111550900-
8	CFW05-08023	WASHER	2	Z111550900-
9	11Z1380084	MUFFLER	1	Z111550001-
10	11Z1330025	BRACKET	1	Z111550001-0665
10	11Z1330147	BRACKET	1	Z111550666-
11	CFB01-21030	BOLT	2	Z111550001-
12	CFW01-11030	WASHER, SPRING	2	Z111550001-
13	11Z1330033	BRACKET	1	Z111550001-0665
13	11Z1330155	BRACKET	1	Z111550666-
14	CFS01-31230	BOLT	2	Z111550001-
15	CFW01-11236	WASHER, SPRING	2	Z111550001-
16	CFB01-21025	BOLT	4	Z111550001-
17	CFW01-11030	WASHER	4	Z111550001-
18	CFN01-21084	NUT	4	Z111550666-
19	CFW05-10032	WASHER	4	Z111550666-
20	11Z1210331	FLANGE	1	Z111550666-
21	01010-E1025	BOLT	4	Z111550666-
22	CFW05-10032	WASHER	4	Z111550666-



CYLINDER BLOCK

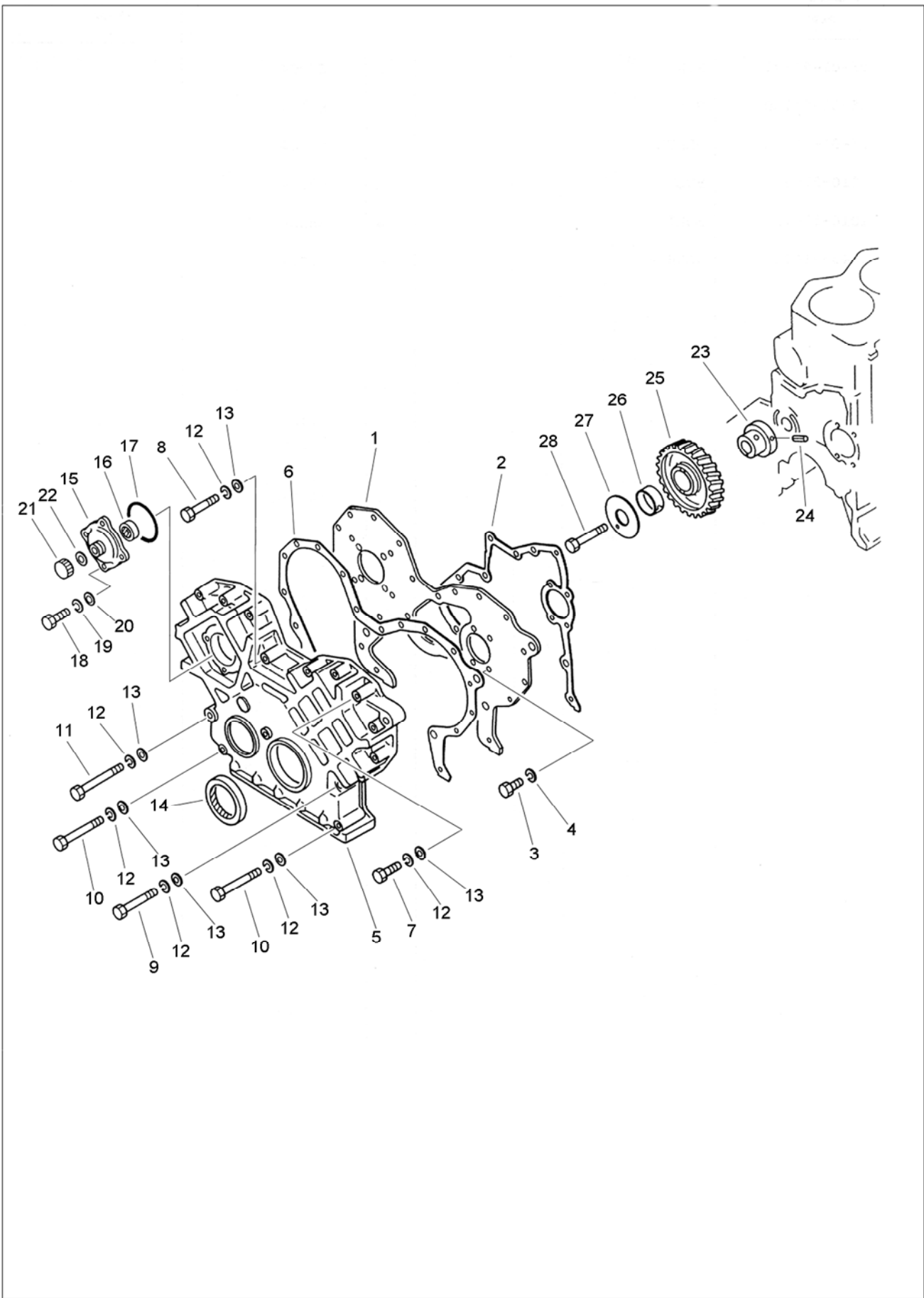
FIG. No. 2010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z2100027	CYLINDER BLOCK ASSY.	1	Z111550001-
1	*10Z2140044	• CYLINDER BLOCK	1	Z111550001-
2	10Z2180083	• BUSHING CAM	4	Z111550001-
3	10Z2140052	• CAP MAIN METAL No.1, 2, 3, 4, 5, 6	6	Z111550001-
4	10Z2140069	• CAP, MAIN METAL No.7	1	Z111550001-
5	CFP04-00514	• DOWEL PIN	2	Z111550001-
6	10Z2150137	• BOLT	14	Z111550001-
7	CFP13-04008	• PIN ROLL	6	Z111550001-
8	10Z2110147	• PLUG	2	Z111550001-
9	10Z2110122	• RING DOWEL	2	Z111550001-
10	CFP13-05012	• PIN SPRING	1	Z111550001-
11	CFP04-01228	• DOWEL PIN	4	Z111550001-
12	07040-11209	• PLUG	1	Z111550001-
13	CPF06-01212 K2	• GASKET	1	Z111550001-
14	CPL02-11113	• PLUG	1	Z111550001-
15	07043-50108	• PLUG	3	Z111550001-
16	11Z2140017	• CYLINDER, LINER	6	Z111550001-
17	10Z2160092 K2	• SEAL CREVICE	6	Z111550001-
18	10Z2160108 K2	• O-RING UPPER	6	Z111550001-
19	10Z2160157 K2	• O-RING LOWER	6	Z111550001-
20	CFP13-08020	PIN, ROLL	2	Z111550001-
21	11Z8130024	COVER	1	Z111550001-
22	10Z2180115 K2	GASKET	1	Z111550001-
23	CFB01-21030	BOLT	2	Z111550001-
24	CFB01-21030	BOLT	2	Z111550001-
25	CFW01-11030	WASHER SPRING	4	Z111550001-
26	11Z5130116	GUIDE, OIL GAUGE	1	Z111550001-0925
26	11Z5130319	GUIDE, OIL GAUGE	1	Z111550926-
27	11Z5180101	GAUGE, OIL LEVEL	1	Z111550001-0925
27	11Z5100308	GAUGE, OIL LEVEL	1	Z111550926-
28	11Z5110182	BRACKET	1	Z111550001-
29	11Z5110141	CLAMP	1	Z111550001-
30	CFS01-30825	BOLT	1	Z111550001-
31	CFN01-20868	NUT	1	Z111550001-



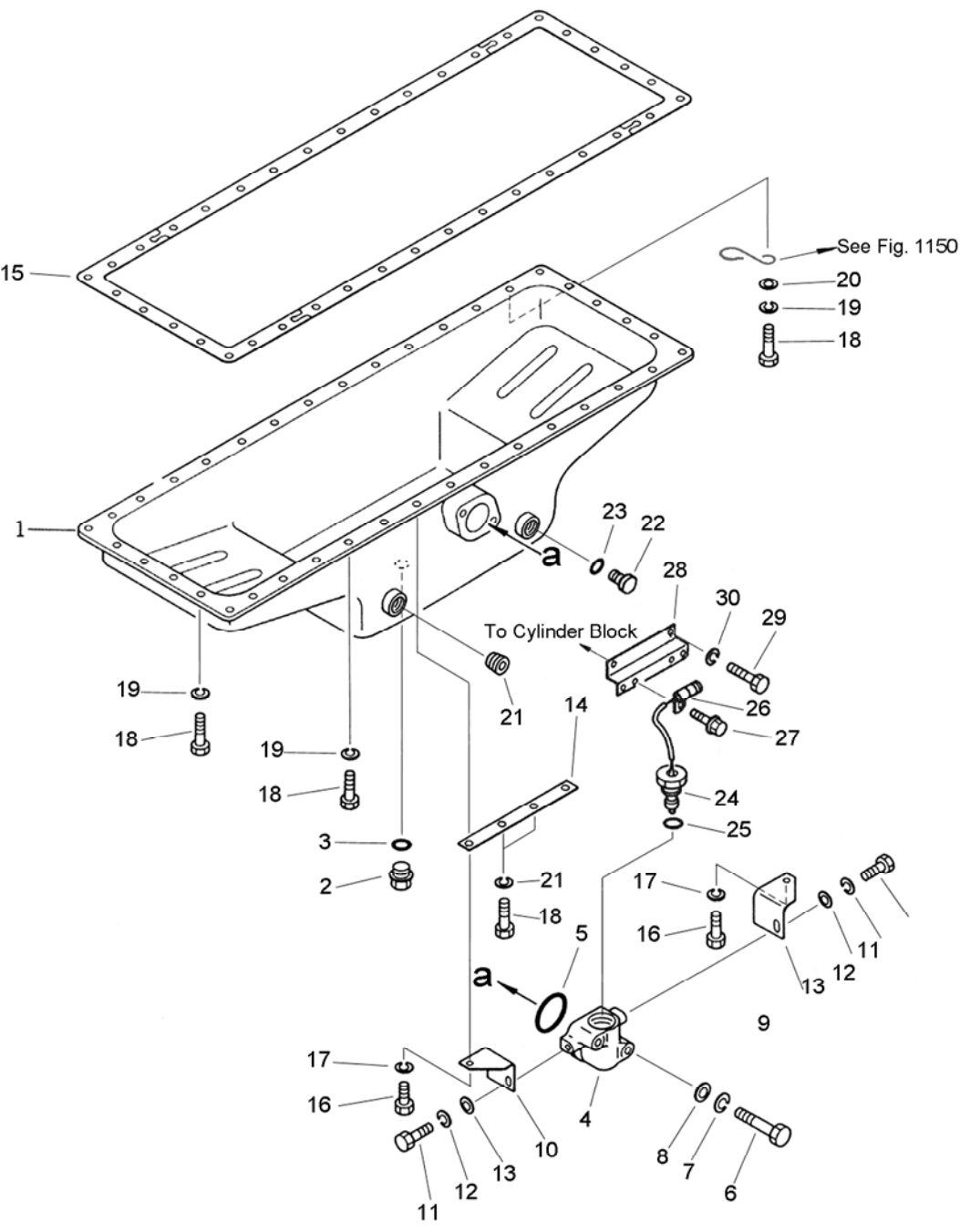
CYLINDER BLOCK**FIG. No. 2010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
32	CFW01-10825	WASHER SPRING	1	Z111550001-
33	CFW02-10816	WASHER	2	Z111550001-
34	11Z2190035	NAME PLATE	1	Z111550001-0521
34	11Z2190043	NAME PLATE	1	Z111550522-
35	04418-02550	SCREW	4	Z111550001-
36	11Z2250048	PIN,ENGINE SUPPORT(LEFT)	1	Z111550001-
37	11Z2250031	PIN,ENGINE SUPPORT(RIGHT)	1	Z111550001-
38	11Z2240011	SPACER	1	Z111550001-
39	CFB01-21035	BOLT	4	Z111550001-
40	CFB01-21075	BOLT	4	Z111550001-
41	CFW05-10032	WASHER	8	Z111550001-



FRONT COVER AND GEAR
FIG. No. 2050

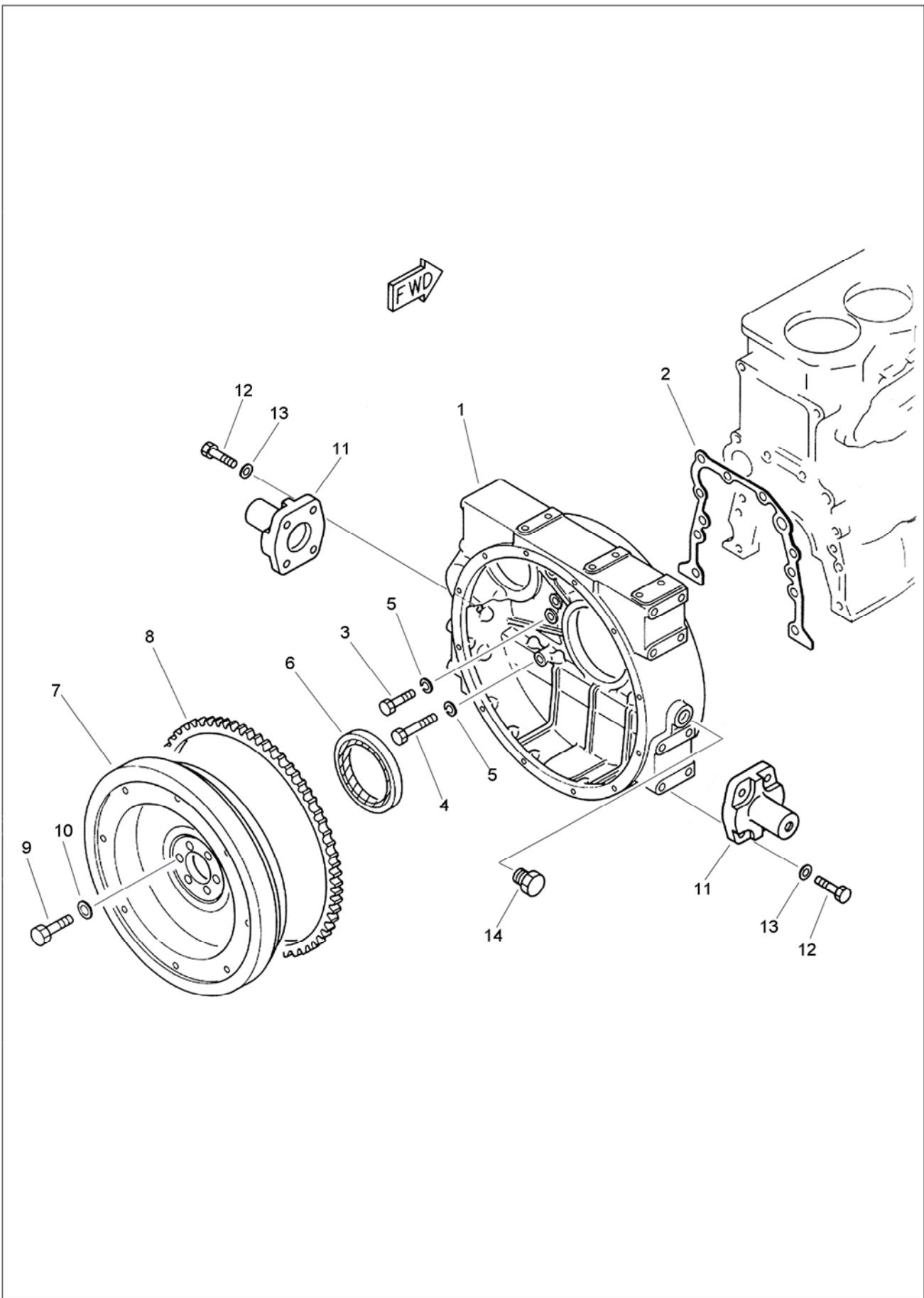
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z2310096	PLATE, FRONT	1	Z111550001-
2	10Z2370044 K2	GASKET	1	Z111550001-
3	01010-60822	BOLT	4	Z111550001-
4	CFW01-10825	WASHER, SPRING	4	Z111550001-
5	10Z2320018	COVER, FRONT	1	Z111550001-
6	10Z2370036 K2	GASKET	1	Z111550001-
7	CFB01-20860	BOLT	10	Z111550001-
8	CFB01-20870	BOLT	4	Z111550001-
9	CFB01-20880	BOLT	1	Z111550001-
10	CFB01-20890	BOLT	2	Z111550001-
11	01010-60895	BOLT	1	Z111550001-
12	CFW01-10825	WASHER, SPRING	18	Z111550001-
13	CFW02-10816	WASHER	18	Z111550001-
14	10Z2380064 K2	SEAL FRONT	1	Z111550001-
15	10Z2120012	COVER, BEARING	1	Z111550001-
16	30Z7180433 K2	SEAL, OIL	1	Z111550001-
17	07000-02070 K2	O-RING	1	Z111550001-
18	CFS01-30825	BOLT	4	Z111550001-
19	CFW01-10825	WASHER, SPRING	4	Z111550001-
20	CFW02-10816	WASHER	4	Z111550001-
21	30Z7190526	CAP	1	Z111550001-
22	30Z7160337 K2	GASKET	1	Z111550001-
23	10Z2310103	SHAFT IDLE	1	Z111550001-
24	CFP13-03016	PIN, SPRING	1	Z111550001-
	10Z2300027	GEAR ASSY.	1	Z111550001-
25	*10Z2350078 .	GEAR IDLER	1	Z111550001-
26	10Z2380056 .	BUSHING	1	Z111550001-
27	10Z2310088	WASHER	1	Z111550001-
28	ZFB46-21280	BOLT	1	Z111550001-



OIL PAN

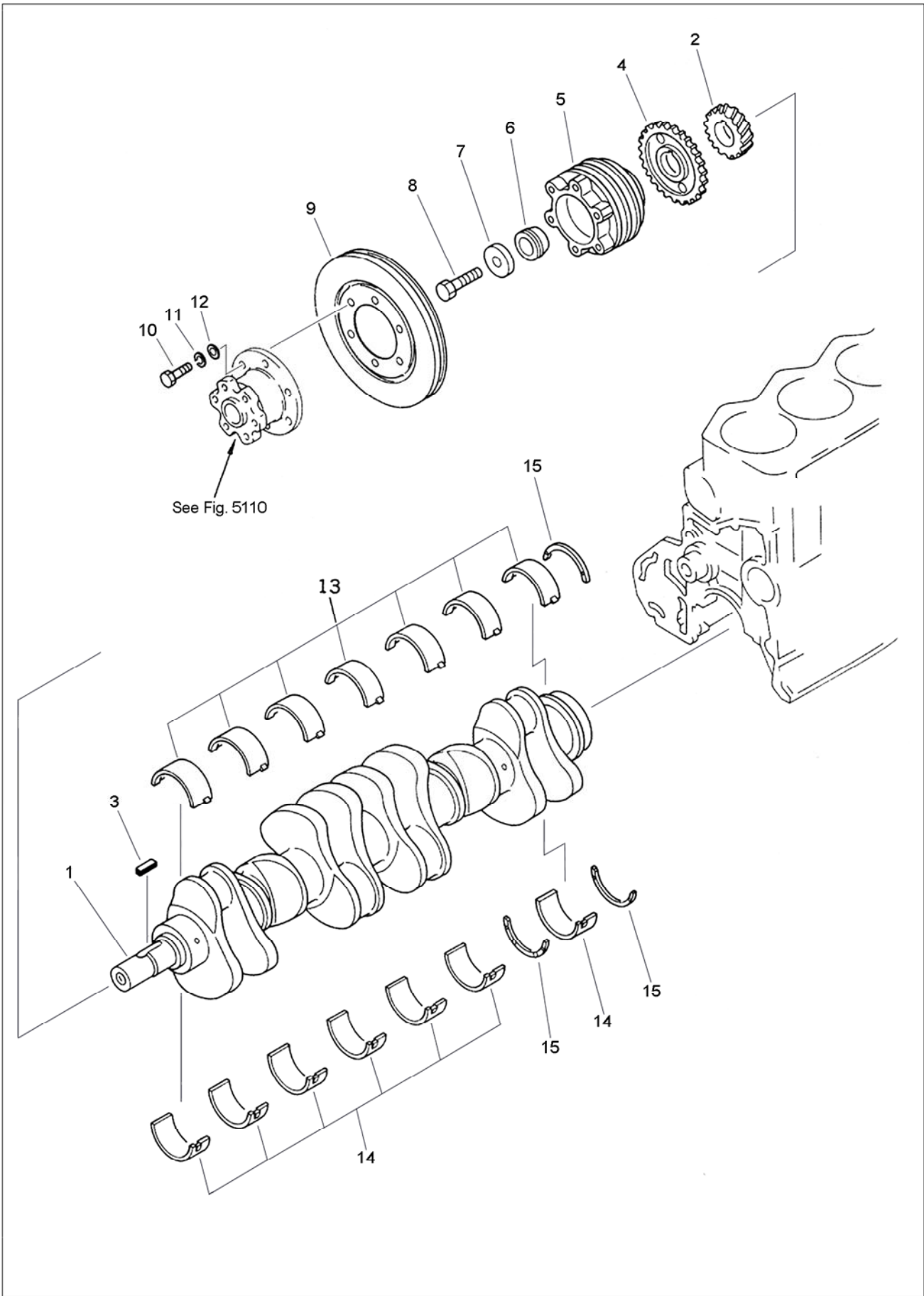
FIG. No. 2110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z5130051	PAN OIL	1	Z111550001-0390
1	11Z5130295	PAN OIL	1	Z111550391-
2	11Z5110166	PLUG	1	Z111550001-
3	CHS01-03022 K2	O-RING	1	Z111550001-
4	11Z5120031	CASE	1	Z111550001-
5	07000-02055 K2	O-RING	1	Z111550001-
6	CFB01-21065	BOLT	2	Z111550001-
7	CFW01-11030	WASHER,SPRING	2	Z111550001-
8	CFW03-11020	WASHER	2	Z111550001-
9	11Z5110206	BRACKET	1	Z111550001-
10	11Z5110214	BRACKET	1	Z111550001-
11	01010-60822	BOLT	2	Z111550001-
12	CFW01-10825	WASHER,SPRING	2	Z111550001-
13	CFW02-10816	WASHER	2	Z111550001-
14	11Z5110158	PLATE	1	Z111550001-0390
15	10Z5170344 K2	GASKET	1	Z111550001-0390
16	CFB01-20830	BOLT	2	Z111550001-
17	CFW01-10825	WASHER,SPRING	2	Z111550001-
18	01010-60822	BOLT	36	Z111550001-
19	CFW01-10825	WASHER,SPRING	36	Z111550001-
20	CFW02-10816	WASHER	1	Z111550001-
21	02720-20810	PLUG	1	Z111550391-
22	07040-11612	PLUG	1	Z111550391-
23	07002-01623 K2	O-RING	1	Z111550391-
24	11Z5180231	SENSOR, OIL LEVEL	1	Z111550001-
25	07002-23634 K2	O-RING	1	Z115500001-
26	52Z7190327	CLIP	1	Z115500001-
27	ZFB46-10912	BOLT	1	Z115500001-
28	11Z8210028	BRACKET	1	Z111550001-
29	CFS01-31225	BOLT	2	Z111550001-
30	CFW01-11236	WASHER,SPRING	2	Z111550001-



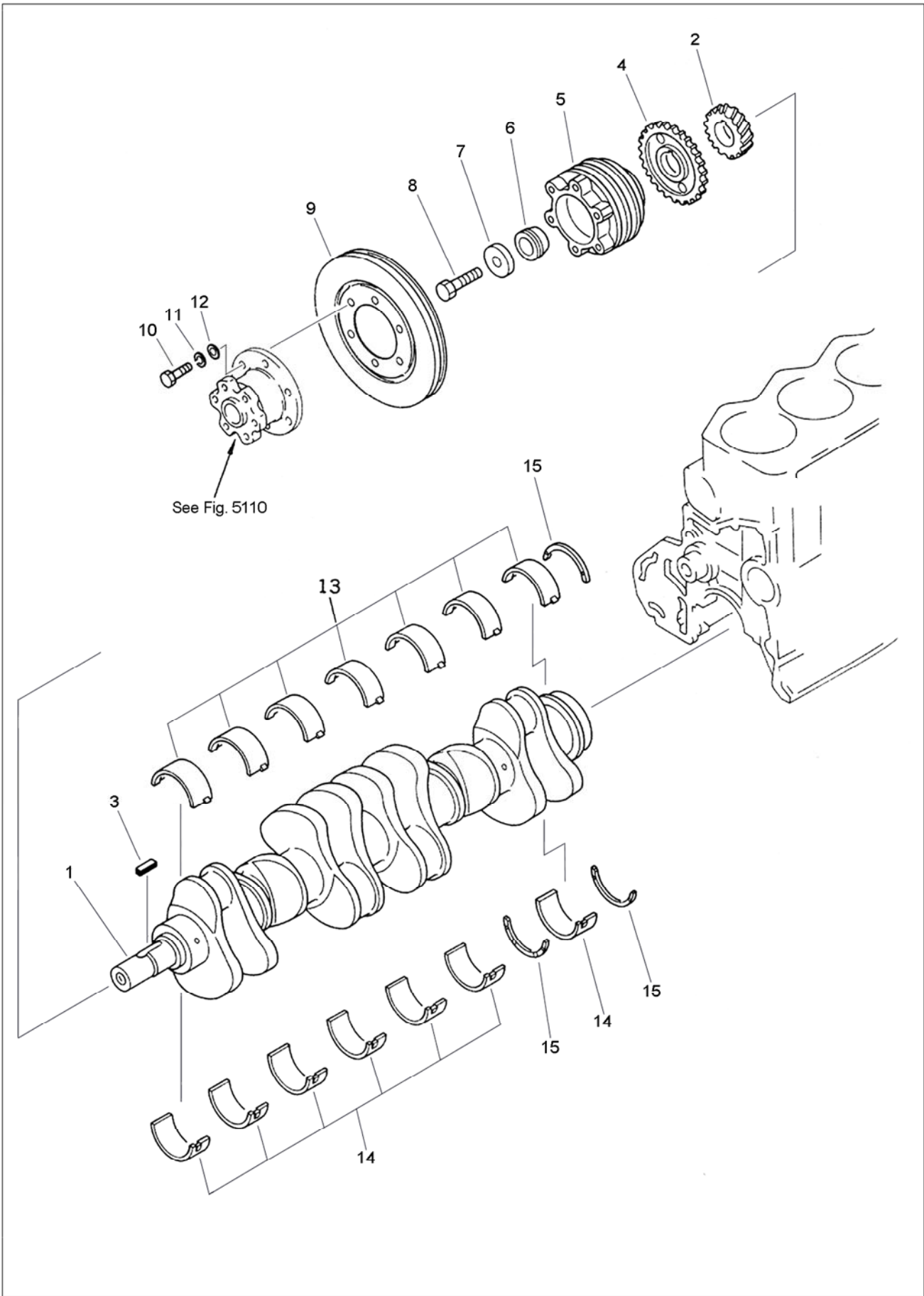
FLY WHEEL & FLY WHEEL HOUSING
FIG. No. 2210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z3240021	HOUSING, FLY WHEEL	1	Z111550001-750
1	11Z3240095	HOUSING, FLY WHEEL	1	Z111550751-
2	11Z3270049 K2	GASKET	1	Z111550001-
3	CFB01-21240	BOLT	7	Z111550001-
4	CFB01-21260	BOLT	2	Z111550001-
5	CFW01-11236	WASHER	9	Z111550001-
6	10Z3280047 K2	SEAL OIL	1	Z111550001-
	11Z3200015	FLY WHEEL ASSY.	1	Z111550001-750
	11Z3200226	FLY WHEEL ASSY.	1	Z111550751-
7	*11Z3240038 .	FLY WHEEL	1	Z111550001-750
7	*11Z3240102 .	FLY WHEEL	1	Z111550751-
8	10Z3250069 .	GEAR, RING	1	Z111550001-750
8	10Z3250174 .	GEAR, RING	1	Z111550751-
9	CFB17-51435	BOLT	6	Z111550001-
10	10Z3210054	WASHER	6	Z111550001-
11	11Z2250023	PIN, ENGINE SUPPORT, REAR	2	Z111550001-
12	CFB01-21240	BOLT	8	Z111550001-
13	CFW05-12032	WASHER,HARD	8	Z111550001-
14	41Z3210024	PLUG	1	Z111550001-



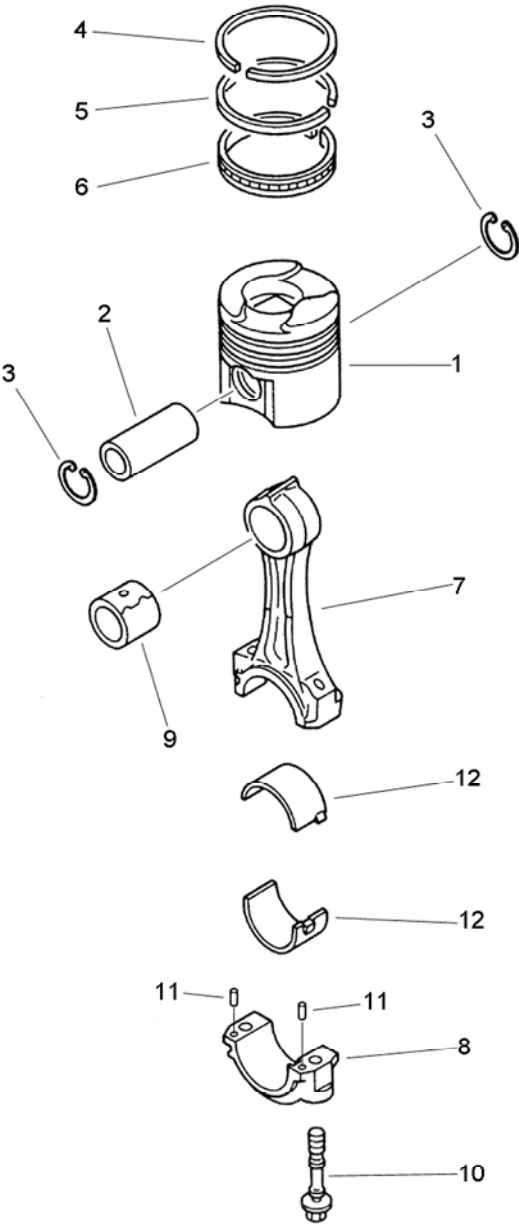
CRANKSHAFT & DAMPER
FIG. No. 2310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z3100015	CRANK SHAFT ASSY.	1	Z111550001-
1	*10Z3150033	. CRANK SHAFT	1	Z111550001-
2	10Z3150236	. GEAR, CRANK SHAFT	1	Z111550001-
3	10Z3110181	. KEY, CRANK	1	Z111550001-
4	10Z3150203	GEAR,PUMP DRIVE	1	Z111550001-
5	11Z3140027	PULLEY	1	Z111550001-
6	10Z3110246	COLLER, TAPER	1	Z111550001-
7	10Z3110198	PLATE	1	Z111550001-
8	CFB17-51845 K2	BOLT	1	Z111550001-
9	11Z3180033	DAMPER	1	Z111550001-0876
9	10Z3180896	DAMPER, VISCOUS	1	Z111550877-
10	CFS01-31235	SCREW	6	Z111550001-
11	CFW01-11236	WASHER,SPRING	6	Z111550001-
12	CFW05-12032	WASHER	6	Z111550001-
	10Z3100818	BEARING, MAIN,ENG SET,STD	1	Z111550001-
	10Z3180255	. BEARING, MAIN, ONE PAIR,STD	7	Z111550001-
13	*10Z3180263	.. BEARING, MAIN UPPER,STD	1	Z111550001-
14	*10Z3180271	.. BEARING, MAIN LOWER,STD	1	Z111550001-
	10Z3180288	. BEARING THRUST, ONE SET,STD	1	Z111550001-
15	*10Z3180133	.. BEARING THRUST, STD	3	Z111550001-
	10Z3100834	BEARING, MAIN, ONE PAIR,U/S 0.25	7	Z111550001-
13	*10Z3180725	. BEARING, MAIN UPPER,U/S 0.25	1	Z111550001-
14	*10Z3180766	. BEARING, MAIN LOWER,U/S 0.25	1	Z111550001-
	10Z3180417	BEARING, THRUST O/S 0.25, 1SET	1	Z111550001-
15	*10Z3180425	. BEARING, THRUST, O/S 0.25	3	Z111550001-
	10Z3100842	BEARING, MAIN, ONE PAIR,U/S 0.50	7	Z111550001-
13	*10Z3180733	. BEARING, MAIN UPPER,U/S 0.50	1	Z111550001-
14	*10Z3180774	. BEARING, MAIN LOWER,U/S 0.50	1	Z111550001-
	10Z3180433	BEARING, THRUST, O/S 0.50,1SET	1	Z111550001-
15	*10Z3180441	. BEARING, THRUST, O/S 0.50	3	Z111550001-
	10Z3100859	BEARING, MAIN, ONE PAIR,U/S 0.75	7	Z111550001-
13	*10Z3180741	. BEARING, MAIN UPPER,U/S 0.75	1	Z111550001-
14	*10Z3180782	. BEARING, MAIN LOWER,U/S 0.75	1	Z111550001-



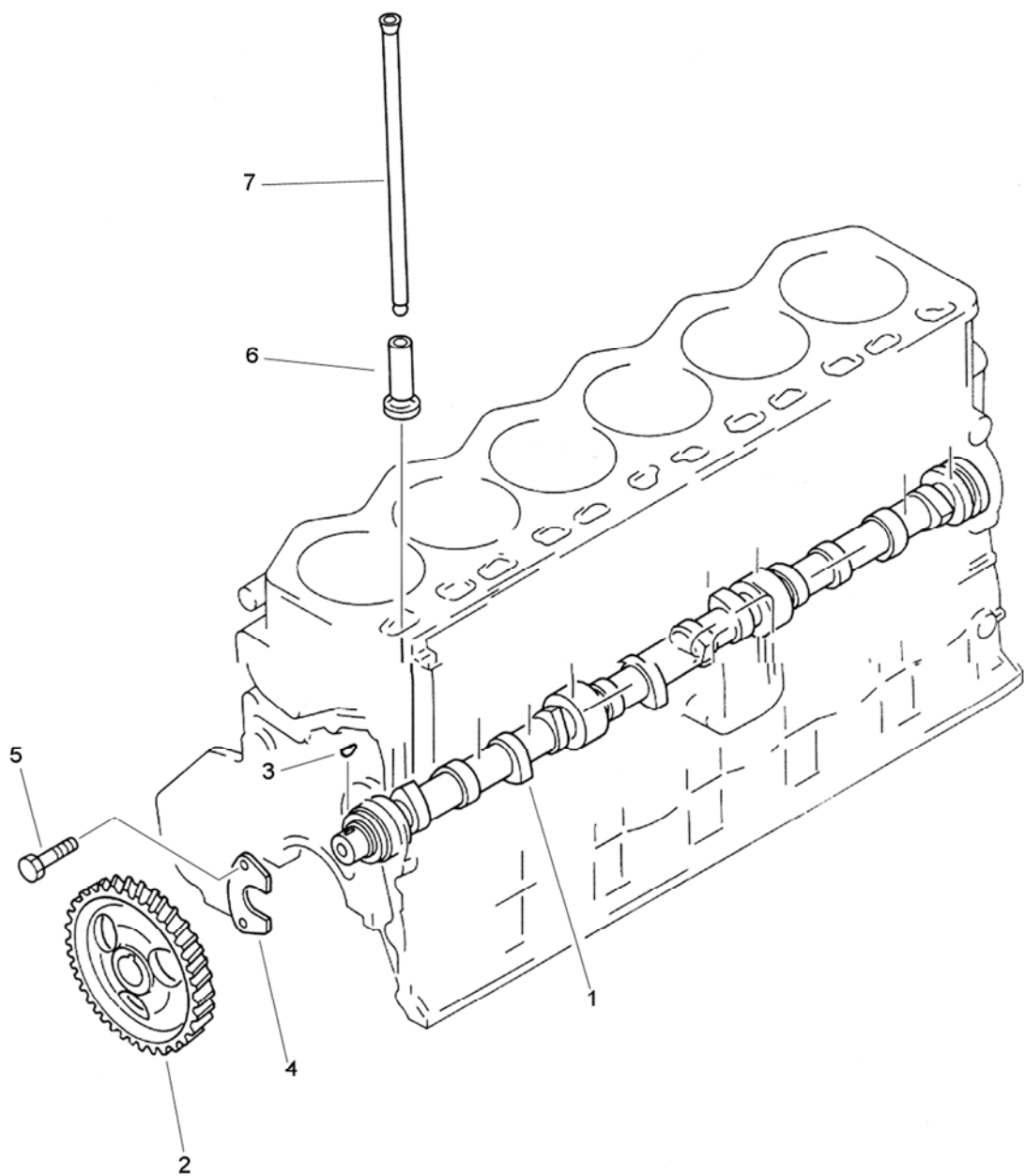
CRANKSHAFT & DAMPER**FIG. No. 2310**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
15	10Z3180458	BEARING, THRUST, O/S 0.75,1SET	1	Z111550001-
	*10Z3180466	. BEARING, THRUST, O/S 0.75	3	Z111550001-
	10Z3100867	BEARING, MAIN, ONE PAIR,U/S 1.00	7	Z111550001-
13	*10Z3180758	. BEARING, MAIN UPPER,U/S 1.00	1	Z111550001-
14	*10Z3180799	. BEARING, MAIN LOWER,U/S 1.00	1	Z111550001-
15	10Z3180474	BEARING, THRUST, O/S 1.00,1SET	1	Z111550001-
	*10Z3180482	. BEARING, THRUST, O/S 1.00	3	Z111550001-



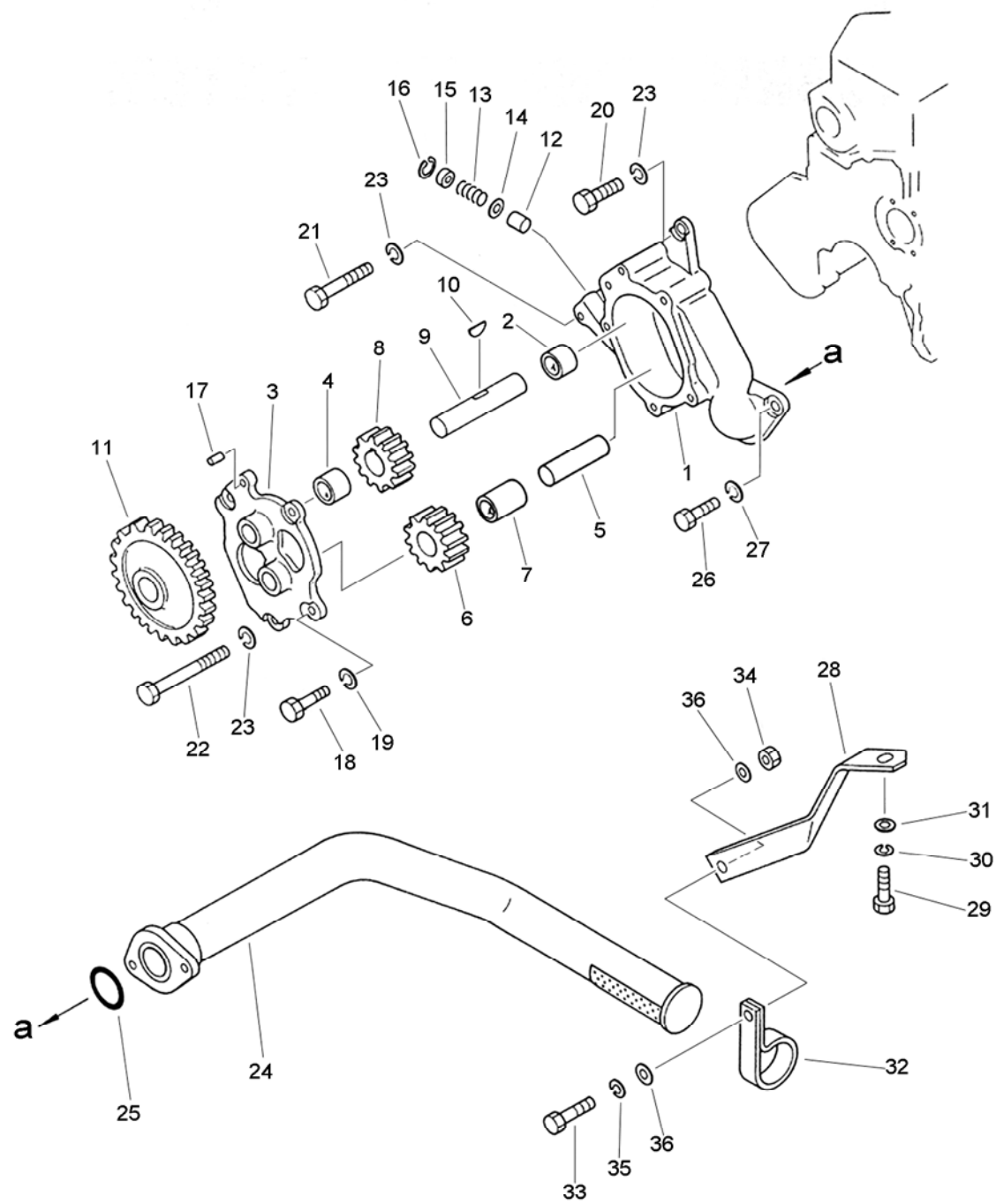
PISTON & CONNECTING ROD
FIG. No. 2350

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z3180066	PISTON	6	Z111550001-
2	11Z3110073	PIN, PISTON	6	Z111550001-
3	CFL02-14018	RING, SNAP	12	Z111550001-
	11Z3180082	PISTON RING ASSY.	6	Z111550001-
4	*11Z3180058	. RING, TOP	1	Z111550001-
5	*11Z3180017	. RING, PISTON SECOND	1	Z111550001-
6	*11Z3180041	. RING, OIL	1	Z111550001-
	10Z3100023	CON ROD ASSY.	6	Z111550001-1034
	10Z3100923	CON ROD ASSY.	6	Z111551035-
7	*10Z3150058	. CON. ROD	1	Z111550001-1034
7	*10Z3150933	. CON. ROD	1	Z111551035-
8	*10Z3150041	. CAP ,CON ROD	1	Z111550001-1034
8	*10Z3150941	. CAP ,CON ROD	1	Z111551035-
9	10Z3180125	. BUSHING	1	Z111550001-
10	10Z3150211	. BOLT, CON ROD	2	Z111550001-1034
10	10Z3110902	. BOLT, CON ROD	2	Z111551035-
11	02400-10313	. DOWEL PIN	2	Z111551035-
12	10Z3180669	BEARING,CR PIN, STD	12	Z111550001-
12	10Z3180685	BEARING,CR PIN, U/S 0.25MM	12	Z111550001-
12	10Z3180693	BEARING,CR PIN, U/S 0.50MM	12	Z111550001-
12	10Z3180709	BEARING,CR PIN, U/S 0.75MM	12	Z111550001-
12	10Z3180717	BEARING,CR PIN, U/S 1.00MM	12	Z111550001-



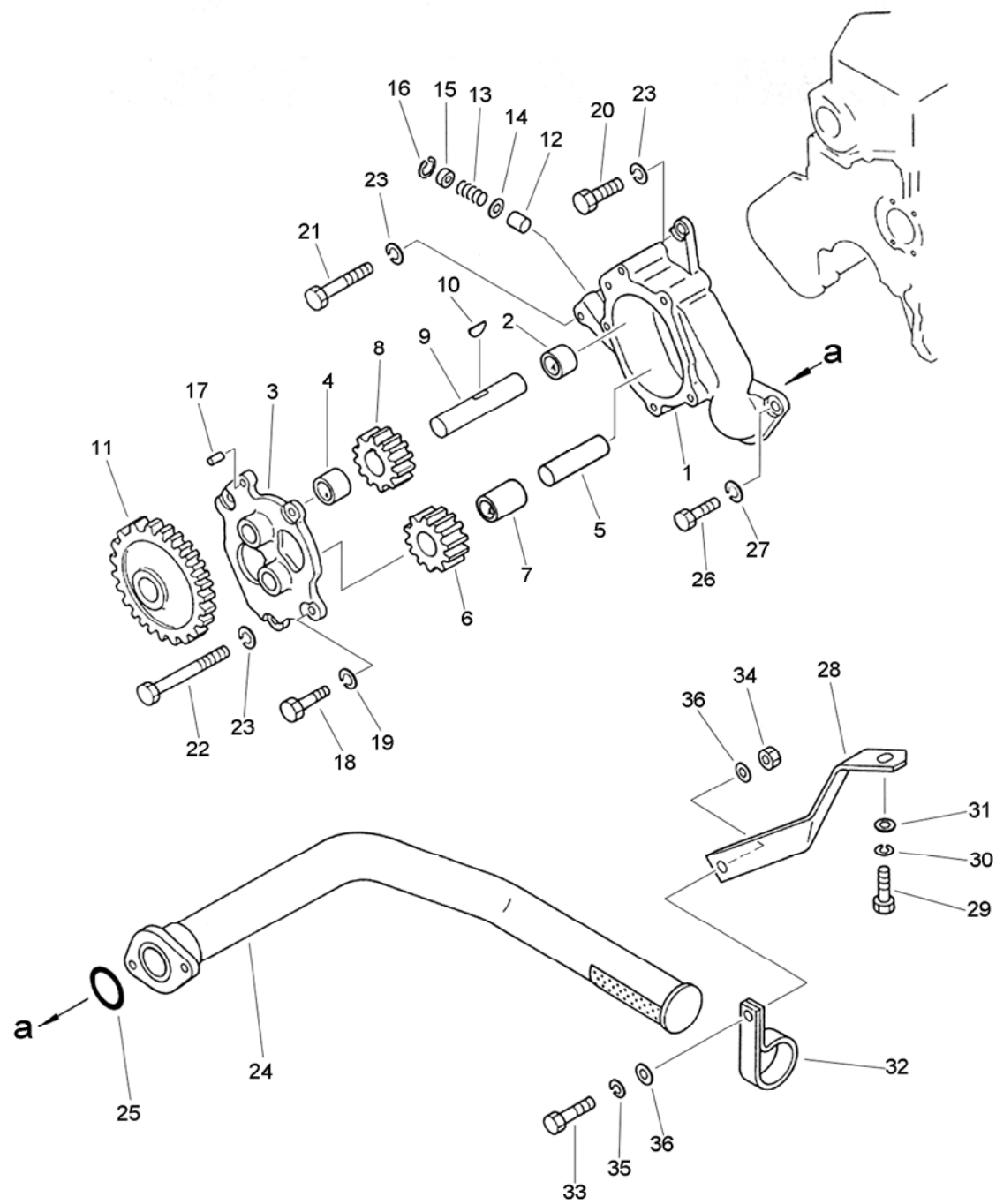
CAM SHAFT & TAPPET**FIG. No. 2410**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z4100103	CAM SHAFT ASSY.	1	Z111550001-
1	*11Z4110034	. CAM SHAFT	1	Z111550001-
2	10Z4150165	. GEAR	1	Z111550001-
3	04010-00516	. KEY	1	Z111550001-
4	10Z4180102	PLATE, THRUST	1	Z111550001-
5	ZFB46-20820	BOLT	2	Z111550001-
6	11Z4110042	TAPPET	12	Z111550001-
7	10Z4110159	PUSH ROD	12	Z111550001-



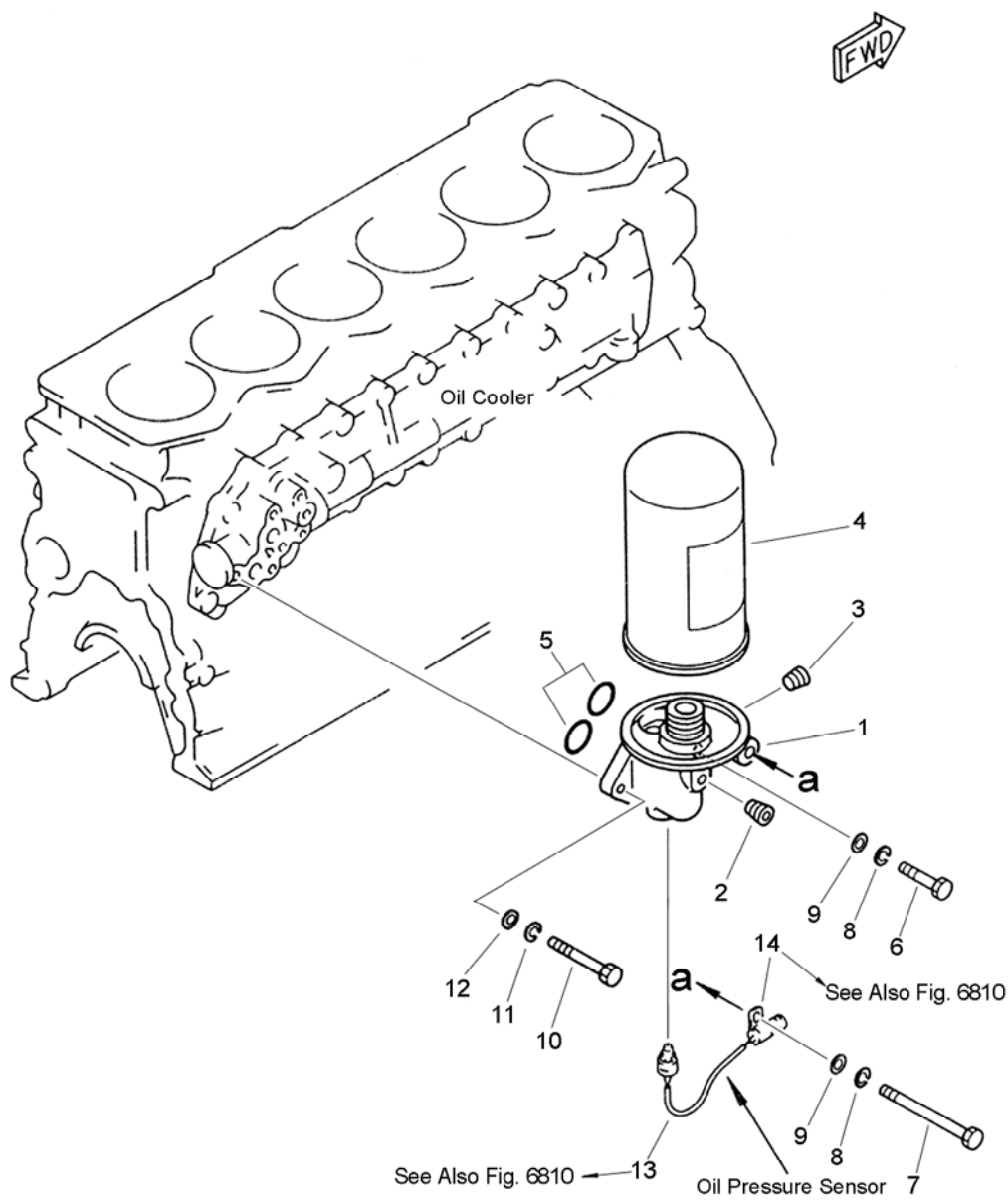
LUBRICATING OIL PUMP & SUCTION PIPE
FIG. No. 3010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z5100035	OIL PUMP ASSY.	1	Z111550001-
	10Z5100043	. BODY ASSY.	1	Z111550001-
1	*10Z5140188	.. BODY	1	Z111550001-
2	30Z5180502	.. BUSHING	1	Z111550001-
	10Z5100051	. COVER ASSY.	1	Z111550001-
3	*10Z5140196	.. COVER	1	Z111550001-
4	30Z5180519	.. BUSHING	1	Z111550001-
5	10Z5110355	.. SHAFT, DRIVEN	1	Z111550001-
	10Z5100068	. GEAR ASSY.	1	Z111550001-
6	*10Z5180267	.. GEAR, DRIVEN	1	Z111550001-
7	10Z5180275	.. BUSHING	1	Z111550001-
	10Z5100076	. SHAFT SUB ASSY.	1	Z111550001-
8	*10Z5180283	.. GEAR, DRIVE	1	Z111550001-
9	10Z5110363	.. SHAFT	1	Z111550001-
10	CFK02-00516	.. KEY	1	Z111550001-
11	10Z5150378	. GEAR, DRIVING	1	Z111550001-
12	30Z5110129	. VALVE	1	Z111550001-
13	30Z5110137	. SPRING	1	Z111550001-
14	10Z5180542	. SHIM	AR	Z111550001-
15	41Z5110099	. RETAINER	1	Z111550001-
16	CFL02-11610	. RING, SNAP	1	Z111550001-
17	30Z5110112	. PIN	1	Z111550001-
18	CFS01-30820	. BOLT	3	Z111550001-
19	CFW01-10825	. WASHER, SPRING	3	Z111550001-
20	CFB01-20830	BOLT	1	Z111550001-
21	CFB01-20845	BOLT	1	Z111550001-
22	CFB01-20855	BOLT	1	Z111550001-
23	CFW01-10825	WASHER, SPRING	3	Z111550001-
24	11Z5130068	PIPE, OIL SUCTION.	1	Z111550001-
25	07000-63035 K2	O-RING	1	Z111550001-
26	CFS01-30825	BOLT	2	Z111550001-
27	CFW01-10825	WASHER, SPRING	2	Z111550001-
28	11Z5110199	BRACKET	1	Z111550001-
29	CFB01-21025	BOLT	1	Z111550001-



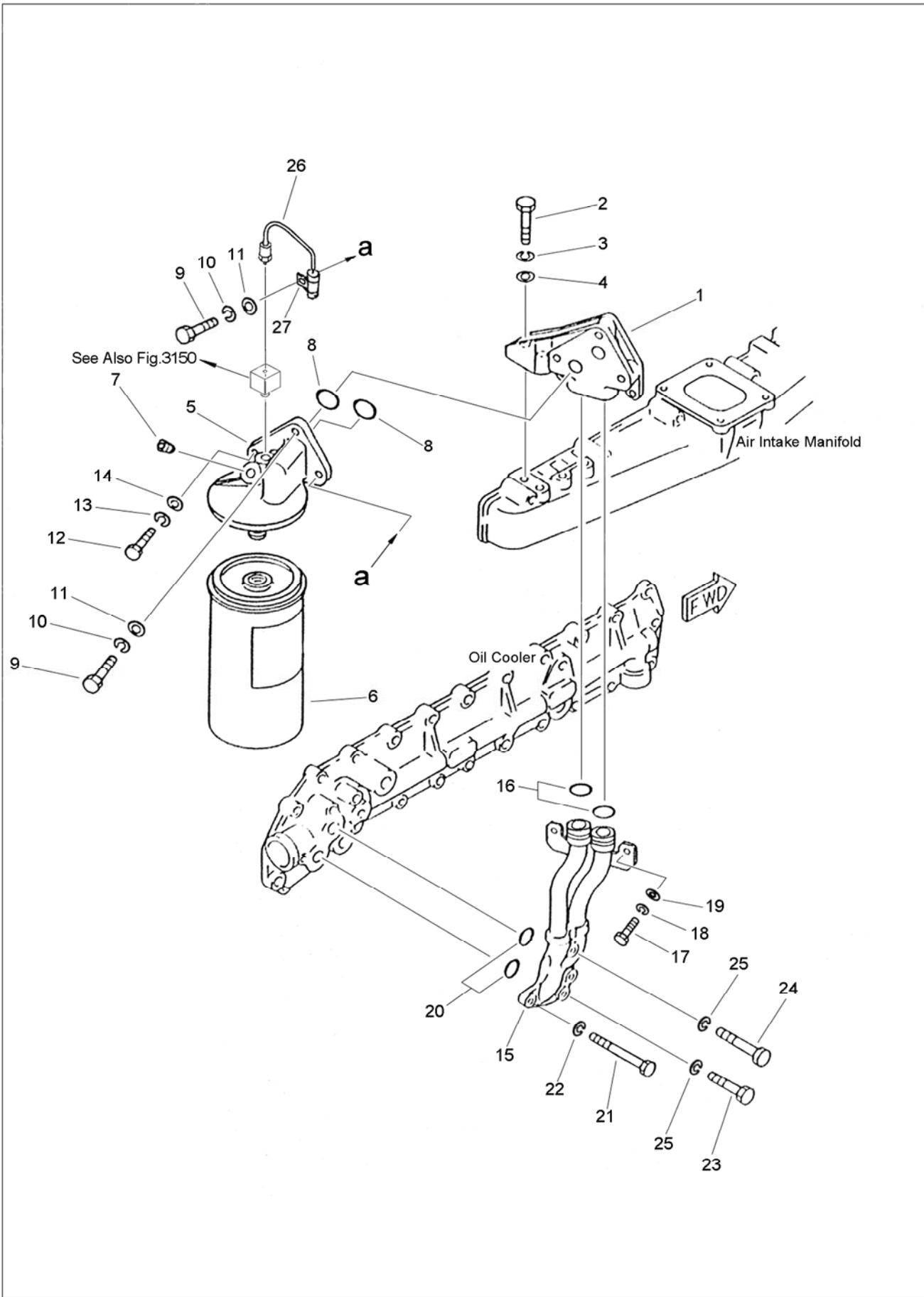
LUBRICATING OIL PUMP & SUCTION PIPE**FIG. No. 3010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
30	CFW01-11030	WASHER,SPRING	1	Z111550001-
31	CFW02-11020	WASHER	1	Z111550001-
32	10Z5110388	CLAMP	1	Z111550001-0912
32	51Z2190118	CLAMP	1	Z111550913-
33	CFS01-30825	BOLT	1	Z111550001-
34	CFN01-20868	NUT	1	Z111550001-
35	CFW01-10825	WASHER,SPRING	1	Z111550001-
36	CFW02-10816	WASHER	2	Z111550001-



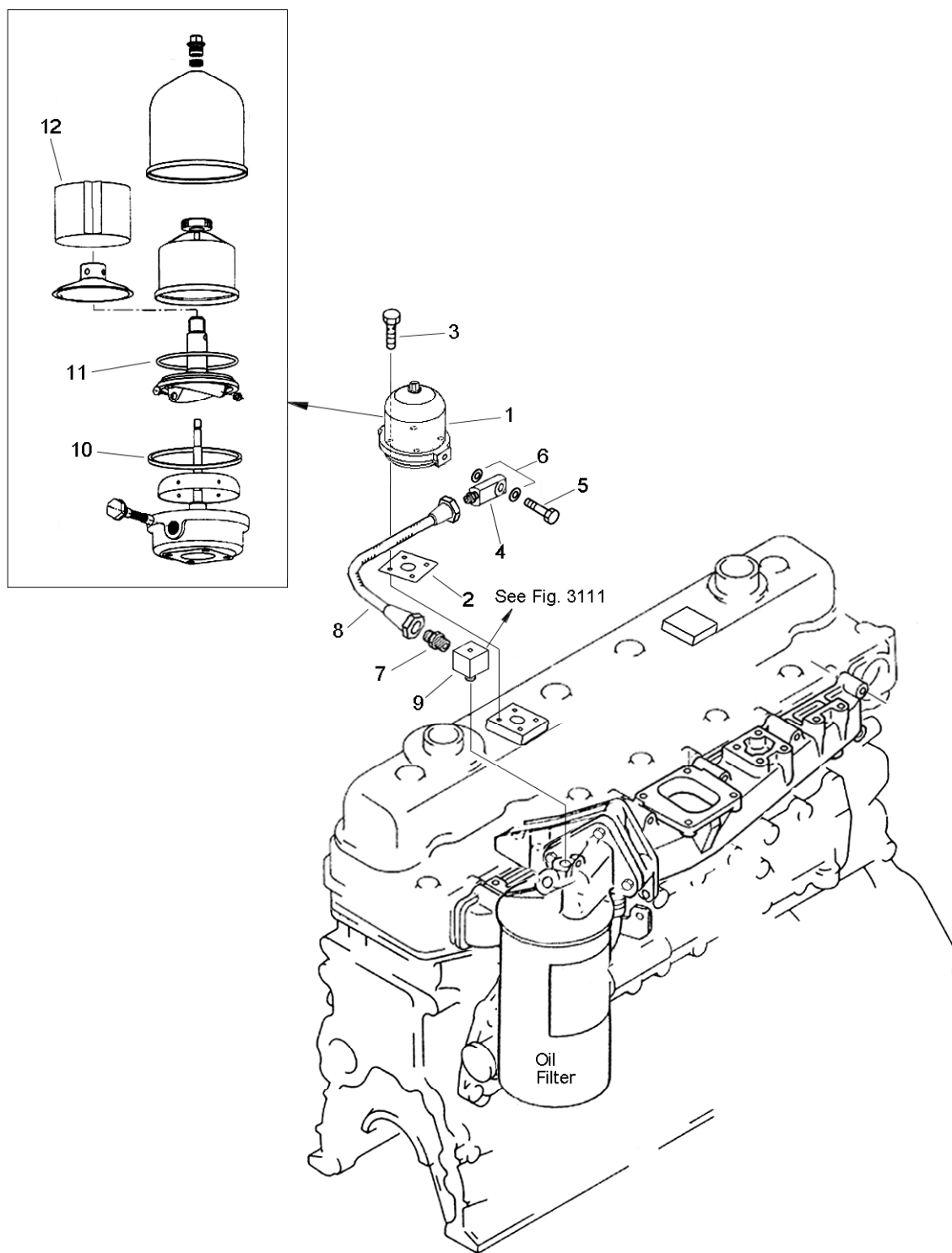
LUBRICATING OIL FILTER
FIG. No. 3110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z5180086	OIL FILTER ASSY.	1	Z111550001-0438
1	11Z5120015	. BRACKET	1	Z111550001-0438
2	CPL02-10810	. PLUG	1	Z111550001-0438
3	CPL02-11521	. PLUG	1	Z111550001-0438
4	11Z5180094	. CARTRIDGE	1	Z111550001-0438
5	07000-63028 K2	O-RING	2	Z111550001-0438
6	CFB01-21035	BOLT	1	Z111550001-0438
7	CFB02-21025	BOLT	1	Z111550001-0438
8	CFW01-11030	WASHER, SPRING	2	Z111550001-0438
9	CFW02-11020	WASHER	2	Z111550001-0438
10	CFB01-20890	BOLT	1	Z111550001-0438
11	CFW01-10825	WASHER, SPRING	1	Z111550001-0438
12	CFW02-10816	WASHER	1	Z111550001-0438
13	31Z2180179	SENSOR, OIL PR.	1	Z111550001-0438
14	31Z8290147	CLIP	1	Z111550001-0438



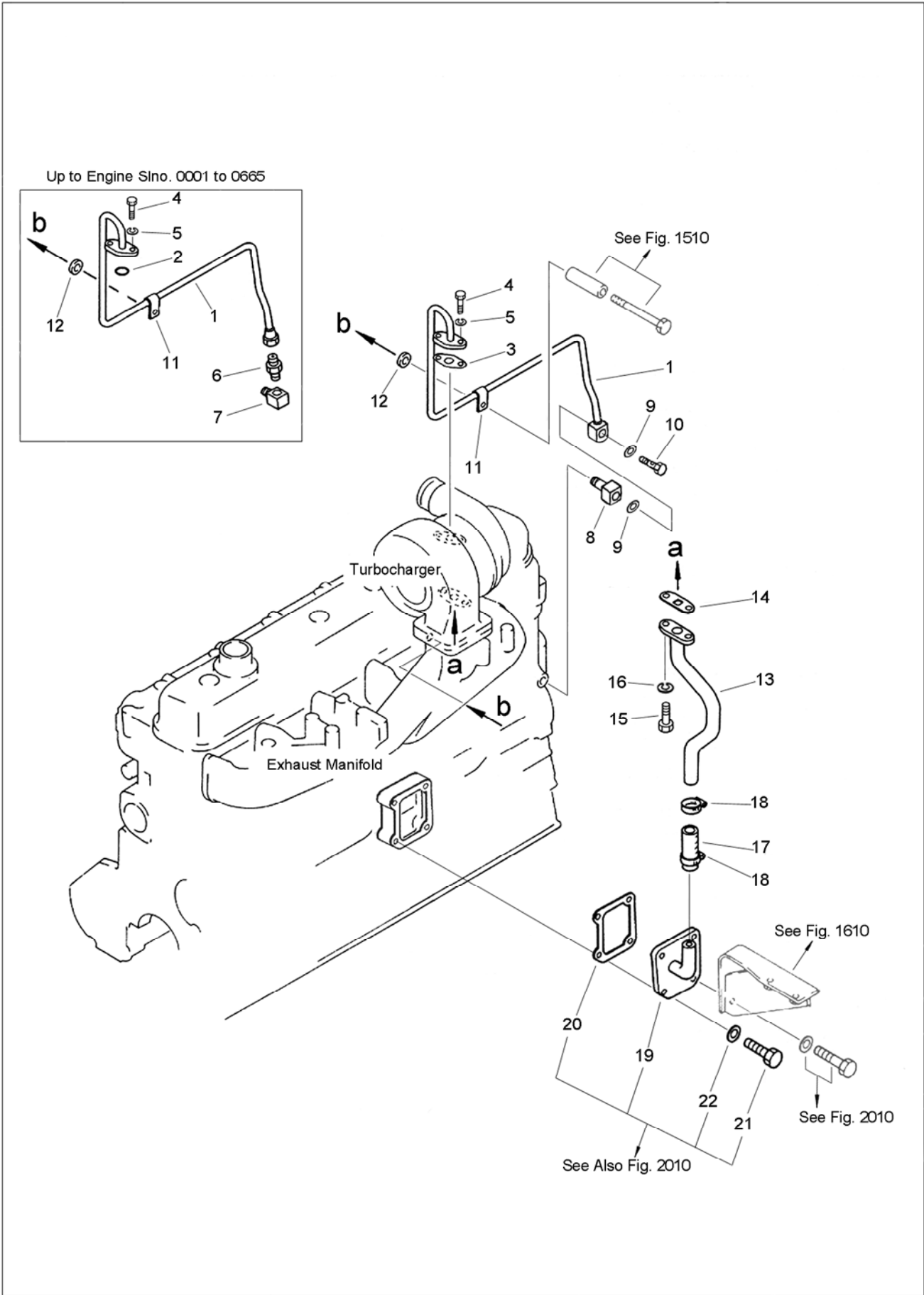
LUBRICATING OIL FILTER
FIG. No. 3111

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z5120018	ADAPTER	1	Z111550439-
2	CFB01-21035	BOLT	2	Z111550439-
3	CFW01-11030	WASHER,SPRING	2	Z111550439-
4	CFW02-11020	WASHER	2	Z111550439-
	10Z5100027	OIL FILTER ASSY.	1	Z111550439-
5	10Z5130151	BRACKET	1	Z111550439-
6	30Z5180495	CARTRIDGE	1	Z111550439-
7	CPL02-10810	PLUG	1	Z111550439-
8	07000-63028	O-RING	2	Z111550439-
9	CFB01-21035	BOLT	2	Z111550439-
10	CFW01-11030	WASHER,SPRING	2	Z111550439-
11	CFW02-11020	WASHER	2	Z111550439-
12	CFB01-20835	BOLT	1	Z111550439-
13	CFW01-10825	WASHER,SPRING	1	Z111550439-
14	CFW02-10816	WASHER	1	Z111550439-
15	10Z5130135	PIPE, OIL	1	Z111550439-
16	07000-63022	O-RING	2	Z111550439-
17	CFS01-30816	BOLT	2	Z111550439-
18	CFW01-10825	WASHER,SPRING	2	Z111550439-
19	CFW02-10816	WASHER	2	Z111550439-
20	07000-63028	O-RING	2	Z111550439-
21	CFB01-20890	BOLT	1	Z111550439-
22	CFW01-10825	WASHER,SPRING	1	Z111550439-
23	CFB01-21035	BOLT	2	Z111550439-
24	CFB01-21050	BOLT	1	Z111550439-
25	CFW01-11030	WASHER,SPRING	3	Z111550439-
26	31Z2180179	SENSOR, OIL PRESSURE.	1	Z111550439-1034
26	51Z2180552	SWITCH, OIL PRESSURE.	1	Z111551035-
27	31Z8290147	CLIP	1	Z111550439-



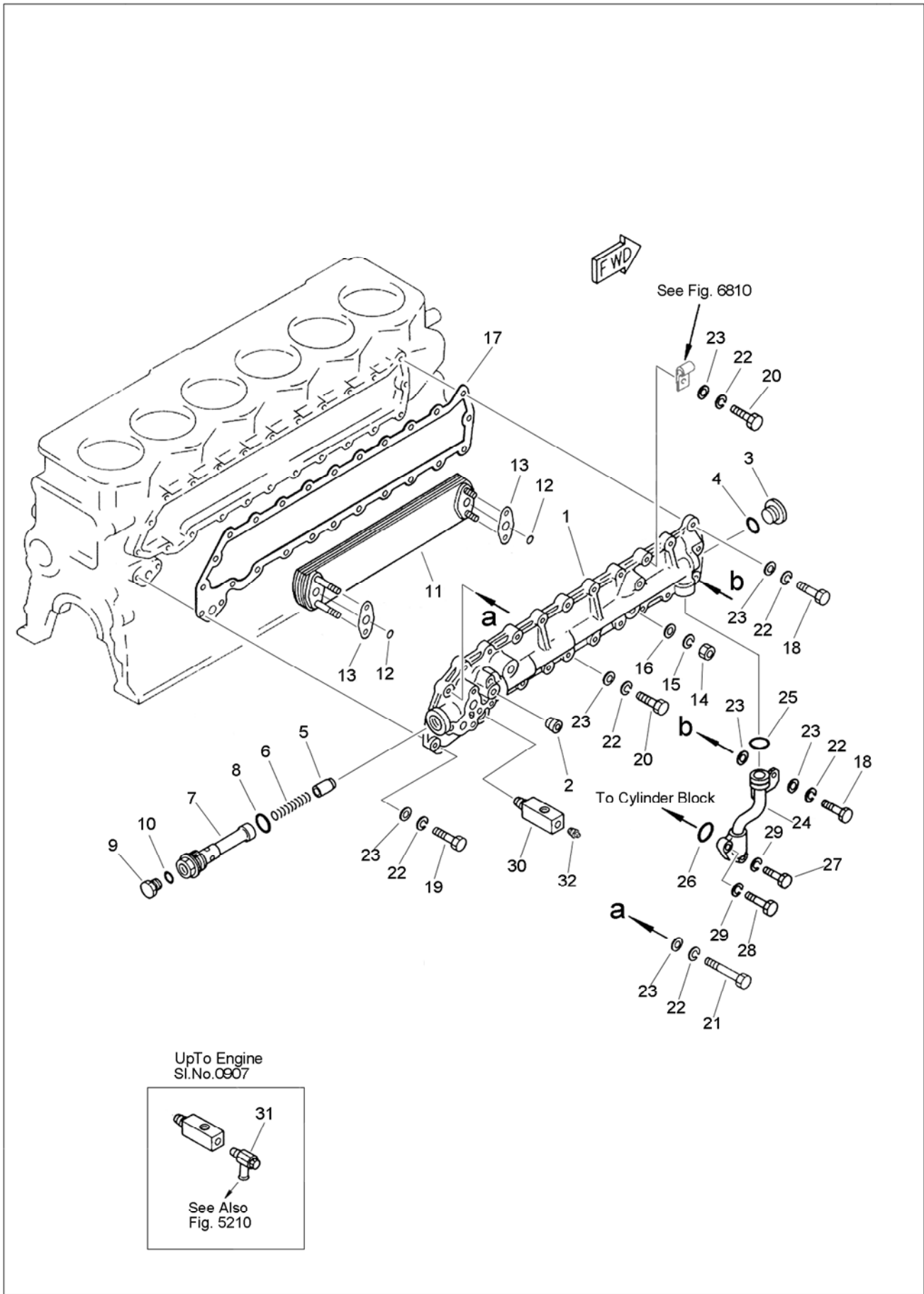
BY PASS OIL FILTER
FIG. No. 3150

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z5180337	CENTRIFUGAL OIL FILTER ASSY.	1	Z111550900-
2	11Z5180345 K1	GASKET	1	Z111550900-
3	CFS01-20820	BOLT	4	Z111550900-
4	41Z5181103	JOINT	1	Z111550900-
5	CPF12-11014	JOINT BOLT	1	Z111550900-
6	CPF06-01412 K1	GASKET	2	Z111550900-
7	CPF09-10813	NIPPLE	1	Z111551078-
8	52Z8160123	HOSE	1	Z111550900-
9	11Z5110352	ELBOW	1	Z111550900-1077
9	11Z5110482	ELBOW	1	Z111551078-
10	11Z5160516	O-RING,HOUSING	1	Z111550900-
11	11Z5160508	O-RING, ROTOR	1	Z111550900-
12	11Z5190495 KS	INSERT,PAPER	1	Z111550900-



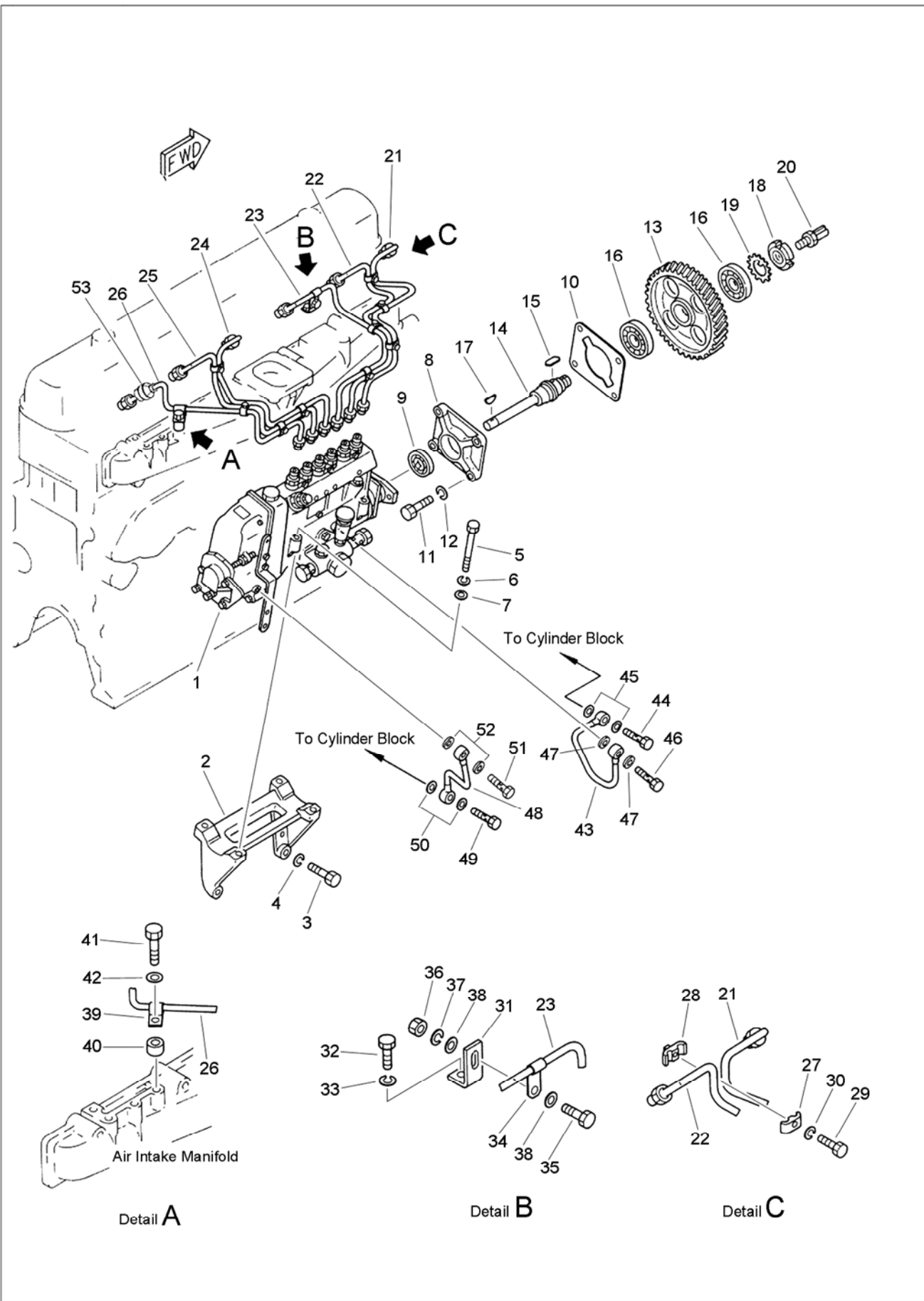
TURBO LUBRICATING OIL PIPING
FIG. No. 3250

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8130032	PIPE INLET	1	Z111550001-0665
1	11Z1200303	PIPE INLET	1	Z111550666-
2	07000-62018 K1	O-RING	1	Z111550001-0665
3	11Z1270231 K1	GASKET, OIL INLET	1	Z111550666-
4	CFS01-30825	BOLT	2	Z111550001-
5	CFW01-10825	WASHER,SPRING	2	Z111550001-
6	CPF09-11013	NIPPLE	1	Z111550001-0665
7	11Z8110074	ELBOW	1	Z111550001-0665
8	11Z1210315	ADAPTOR	1	Z111550666-
9	CPF06-01412 K1	GASKET	2	Z111550666-
10	CPF12-11014	BOLT JOINT	1	Z111550666-
11	11Z8130065	CLIP	1	Z111550001-0665
11	04434-51210	CLIP	1	Z111550666-1109
11	30Z2190428	CLIP	1	Z111551110-
12	CFW05-10032	WASHER	1	Z111550001-
13	11Z8130049	TUBE	1	Z111550001-0665
13	11Z8130479	TUBE	1	Z111550666-
14	11Z8170055 K1	GASKET	1	Z111550001-0665
14	11Z1270248 K1	GASKET	1	Z111550666-
15	CFB01-21035	BOLT	2	Z111550001-0665
15	CFS01-30825	BOLT	2	Z111550666-
16	30Z6110033	SPACER	2	Z111550001-0665
16	CFW01-10825	WASHER,SPRING	2	Z111550666-
17	07260-22008	HOSE	1	Z111550001-
18	CCC01-03510	CLAMP	2	Z111550001-
19	11Z8130024	COVER	1	Z111550001-
20	10Z2180115 K1	GASKET	1	Z111550001-
21	CFB01-21030	BOLT	2	Z111550001-
22	CFW01-11030	WASHER,SPRING	2	Z111550001-



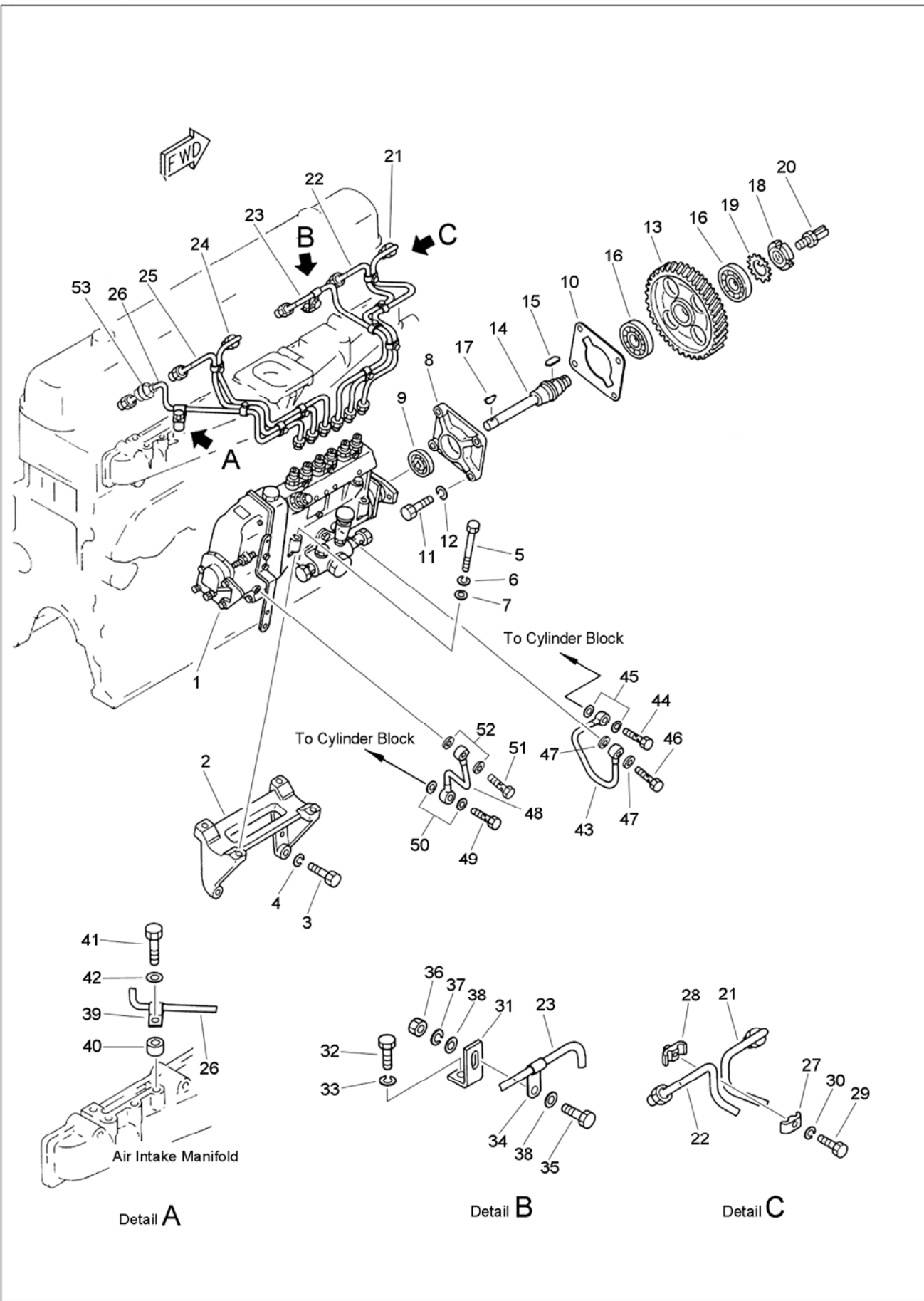
LUBRICATING OIL COOLER
FIG. No. 3310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z5100049	OIL COOLER ASSY.	1	Z111550001-0805
	10Z5100579	OIL COOLER ASSY.	1	Z111550806-
1	11Z5120129	. COVER ASSY.	1	Z111550001-0805
1	10Z5120601	. COVER ASSY.	1	Z111550806-
2	02720-40607	. PLUG, TAPER	2	Z111550001-
3	10Z5110428	. PLUG	1	Z111550001-
4	10Z5160113 K2	. O-RING	1	Z111550001-
5	11Z5110133	. VALVE, THERMO	1	Z111550001-
6	11Z5110222	. SPRING	1	Z111550001-
7	11Z5120023	. CASE, VALVE	1	Z111550001-
8	10Z5160398 K2	. O-RING	1	Z111550001-
9	11Z5110174	. PLUG	1	Z111550001-
10	CHS01-02018 K2	. O-RING	1	Z111550001-
11	11Z5180078	. ELEMENT	1	Z111550001-0805
11	10Z5180591	. ELEMENT	1	Z111550806-
12	10Z5160113 K2	. O-RING	2	Z111550001-
13	10Z5170206 K2	. GASKET	2	Z111550001-0805
13	10Z5170588 K2	. GASKET	2	Z111550806-
14	CFN01-20868	. NUT	4	Z111550001-
15	CFW01-10825	. WASHER, SPRING	4	Z111550001-
16	CFW03-10816	. WASHER	4	Z111550001-
17	10Z5170125 K2	GASKET	1	Z111550001-
18	CFS01-30825	BOLT	4	Z111550001-
19	CFB01-20830	BOLT	3	Z111550001-
20	CFB01-20835	BOLT	16	Z111550001-
21	CFB01-20865	BOLT	1	Z111550001-
22	CFW01-10825	WASHER, SPRING	24	Z111550001-
23	CFW02-10816	WASHER	25	Z111550001-
24	10Z5130176	PIPE, OIL	1	Z111550001-
25	CHS01-13022 K2	O-RING	1	Z111550001-
26	07000-63028 K2	O-RING	1	Z111550001-
27	CFB01-20830	BOLT	1	Z111550001-
28	CFB01-20840	BOLT	1	Z111550001-
29	CFW01-10825	WASHER, SPRING	2	Z111550001-
30	10Z6110276	NIPPLE	1	Z111550001-
31	30Z5180527	VALVE, DRAIN	1	Z111550001-0907
32	CPL01-21217	PLUG	1	Z111550908-



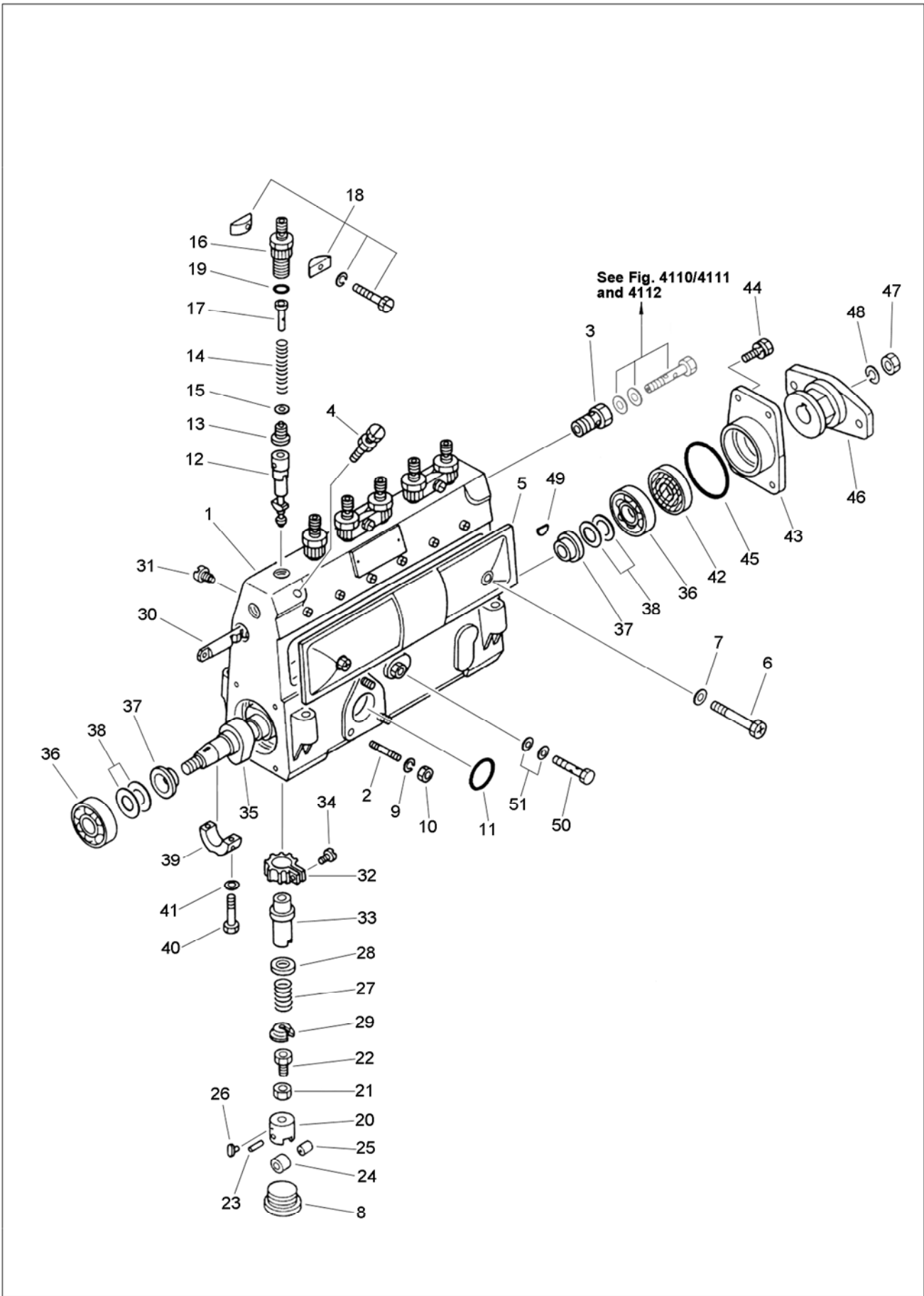
FUEL INJECTION PUMP & PIPING
FIG. No. 4010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7180065	INJ. PUMP ASSY.	1	Z111550001-0521
1	11Z7100288	INJECTION PUMP ASSY.(MICO)	1	Z111550522-0750
1	11Z7100409	INJECTION PUMP ASSY.(MICO)	1	Z111550751-
2	10Z7140126	BRACKET,INJECTION PUMP	1	Z111550001-
3	CFB01-21035	BOLT	4	Z111550001-
4	CFW01-11030	WASHER, SPRING	4	Z111550001-
5	CFB01-20870	BOLT	4	Z111550001-
6	CFW01-10825	WASHER, SPRING	4	Z111550001-
7	30Z7110043	WASHER, TAPER	4	Z111550001-
8	10Z7120021	COVER	1	Z111550001-
9	07012-00032	K2 SEAL, OIL	1	Z111550001-
10	10Z7170048	K2 GASKET	1	Z111550001-
11	CFS24-31025	BOLT	4	Z111550001-
12	CFW01-11030	WASHER, SPRING	4	Z111550001-
	10Z7100371	GEAR ASSY.	1	Z111550001-
13	10Z7150324	. GEAR,FUEL INJECTION PUMP DRIVE	1	Z111550001-
14	10Z7110334	. SHAFT	1	Z111550001-
15	CFK01-07022	. KEY	1	Z111550001-
16	06000-06007	. BALL BEARING	2	Z111550001-
17	04010-00416	KEY	1	Z111550001-
18	10Z7110301	NUT, LOCK	1	Z111550001-
19	10Z7110342	K2 WASHER, LOCK	1	Z111550001-
20	10Z7110318	SHAFT, TACHODRIVE	1	Z111550001-
21	10Z7130074	PIPE,FUEL INJ.No.1	1	Z111550001-0750
21	11Z7130411	PIPE,FUEL INJ.No.1	1	Z111550751-
22	10Z7130082	PIPE,FUEL INJ.No.2	1	Z111550001-0750
22	11Z7130428	PIPE,FUEL INJ.No.2	1	Z111550751-
23	11Z7130022	PIPE FUEL INJ.No.3	1	Z111550001-0750
23	11Z7130436	PIPE FUEL INJ.No.3	1	Z111550751-
24	11Z7130039	PIPE FUEL INJ.No.4	1	Z111550001-0750
24	11Z7130469	PIPE FUEL INJ.No.4	1	Z111550751-
25	11Z7130047	PIPE FUEL INJ.No.5	1	Z111550001-0750
25	11Z7130477	PIPE FUEL INJ.No.5	1	Z111550751-
26	10Z7130099	PIPE FUEL INJ.No.6	1	Z111550001-0750
26	11Z7130485	PIPE FUEL INJ.No.6	1	Z111550751-



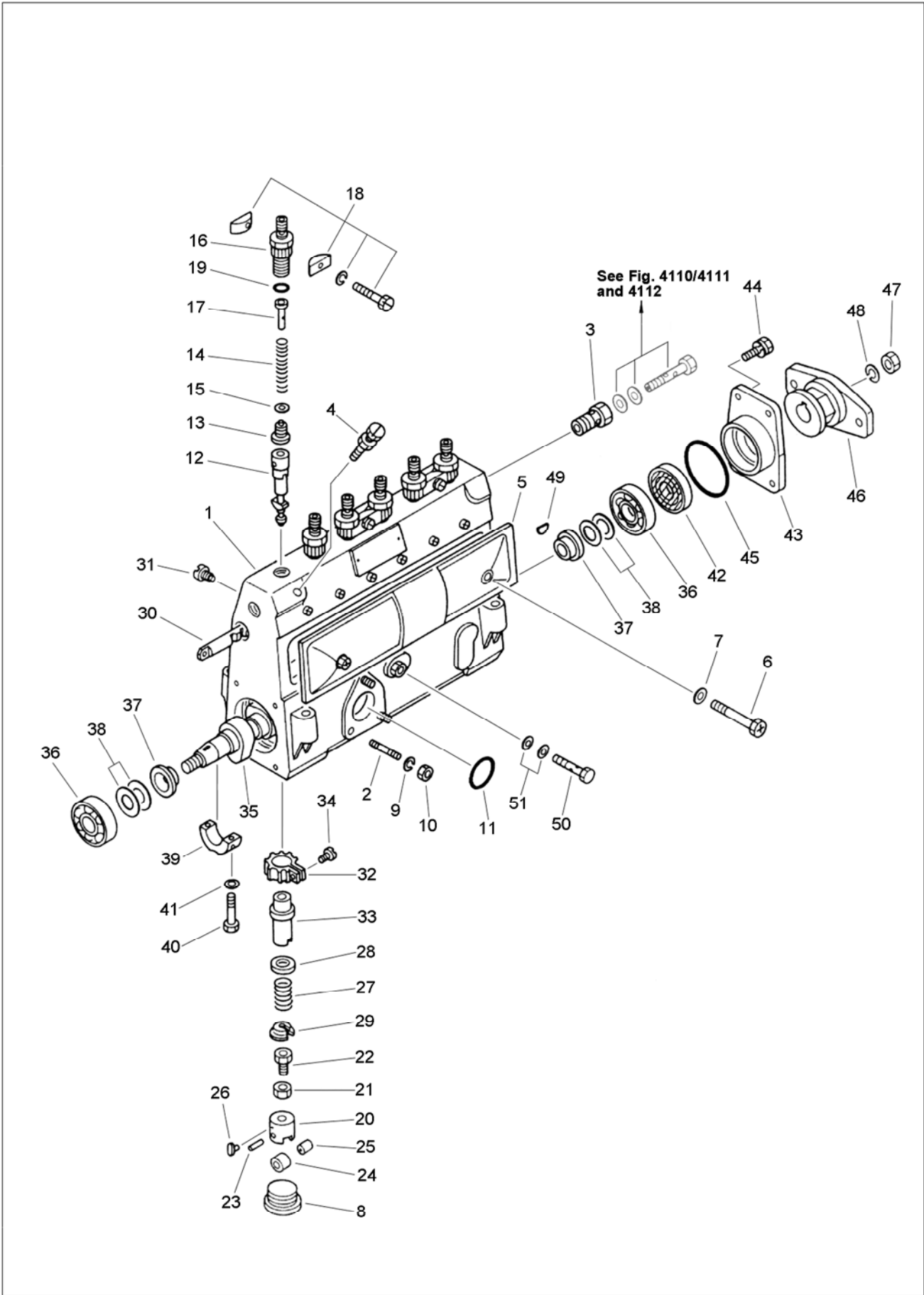
FUEL INJECTION PUMP & PIPING
FIG. No. 4010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z7190258	CLIP ASSY.	9	Z111550001-
27	10Z7190266	. CLIP	1	Z111550001-
28	10Z7190274	. CLIP	1	Z111550001-
29	10Z7110359	. SCREW	1	Z111550001-
30	CFW01-10513	. WASHER SPRING	1	Z111550001-
31	31Z5110126	BRACKET	1	Z111550001-
32	CFS01-31020	BOLT	1	Z111550001-
33	CFW01-11030	WASHER, SPRING	1	Z111550001-
34	10Z7190217	CLIP	1	Z111550001-
35	CFB01-21025	BOLT	1	Z111550001-
36	CFN01-21084	NUT	1	Z111550001-
37	CFW01-11030	WASHER, SPRING	1	Z111550001-
38	CFW02-11020	WASHER	2	Z111550001-
39	10Z7190217	CLIP	1	Z111550001-
40	31Z1210032	SPACER	1	Z111550001-
41	CFB01-21035	BOLT	1	Z111550001-
42	CFW02-11020	WASHER	1	Z111550001-
43	10Z7130058	PIPE, LUB INLET	1	Z111550001-0521
43	11Z7130322	PIPE, LUB INLET	1	Z111550522-
44	CPF12-10610	BOLT, JOINT	1	Z111550001-
45	CPF06-01012 K2	GASKET	2	Z111550001-
46	11Z7110575	BOLT,JOINT	1	Z111550522-
47	CPF06-01012 K2	GASKET	2	Z111550522-
48	11Z7130014	PIPE,LUB OUTLET	1	Z111550001-
49	CPF12-10812	BOLT,JOINT	1	Z111550001-
50	CPF06-01212 K2	GASKET	2	Z111550001-
51	CPF12-10812	BOLT,JOINT	1	Z111550522-
52	CPF06-01212 K2	GASKET	2	Z111550522-
53	11Z7160188	COVER	6	Z111550001-0897
53	10Z7180505	COVER	6	Z111550898-



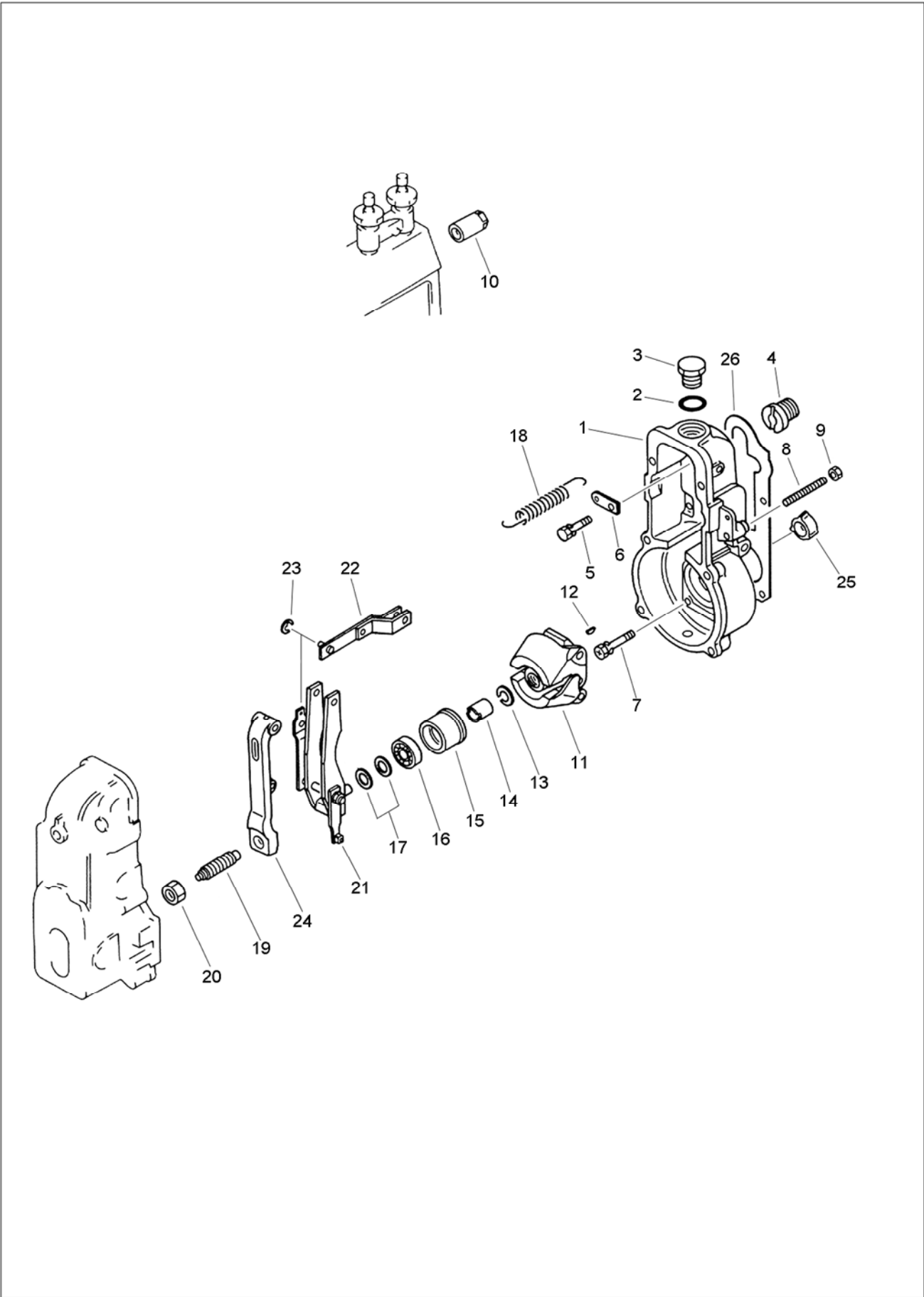
FUEL INJECTION PUMP
FIG. No. 4011

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180065	INJECTION PUMP ASSY.	1	Z111550001-0521
	11Z7101032	. PUMP ASSY.	1	Z111550001-0521
1	11Z7141047	.. HOUSING	1	Z111550001-0521
2	51Z7182449	... STUD	3	Z111550001-0521
3	11Z7111052	... ADAPTER	1	Z111550001-0521
4	11Z7111069	... BOLT	1	Z111550001-0521
5	11Z7181078	.. COVER	1	Z111550001-0521
6	11Z7111085	.. SCREW	2	Z111550001-0521
7	11Z7161095	.. GASKET	2	Z111550001-0521
8	11Z7111109	.. PLUG	6	Z111550001-0521
9	51Z7180804	.. WASHER, SPRING	3	Z111550001-0521
10	51Z7180789	.. NUT	3	Z111550001-0521
11	51Z7181339	.. O-RING	1	Z111550001-0521
12	51Z7183389	.. PLUNGER ASSY.	6	Z111550001-0521
13	51Z7183397	.. VALVE, DELIVERY	6	Z111550001-0521
14	11Z7111117	.. SPRING	6	Z111550001-0521
15	11Z7161127	.. GASKET	6	Z111550001-0521
16	11Z7181134	.. HOLDER	6	Z111550001-0521
17	11Z7181142	.. STOPPER	6	Z111550001-0521
18	11Z7101154	.. PLATE ASSY.	3	Z111550001-0521
19	11Z7161168	.. O-RING	6	Z111550001-0521
20	11Z7101179	.. TAPER ASSY.	6	Z111550001-0521
21	11Z7111182	... NUT	1	Z111550001-0521
22	11Z7111199	... BOLT	1	Z111550001-0521
23	11Z7111206	... PIN	1	Z111550001-0521
24	11Z7181215	... ROLLER	1	Z111550001-0521
25	11Z7181223	... BUSHING	1	Z111550001-0521
26	11Z7181231	... GUIDE	1	Z111550001-0521
27	11Z7111247	.. SPRING, PLUNGER	6	Z111550001-0521
28	11Z7111255	.. SEAT, SPRING	6	Z111550001-0521
29	11Z7111263	.. SEAT, SPRING	6	Z111550001-0521
30	11Z7181272	.. RACK, CONTROL	1	Z111550001-0521
31	11Z7111288	.. SCREW	1	Z111550001-0521
32	11Z7111296	.. PINION	6	Z111550001-0521



FUEL INJECTION PUMP**FIG. No. 4011**

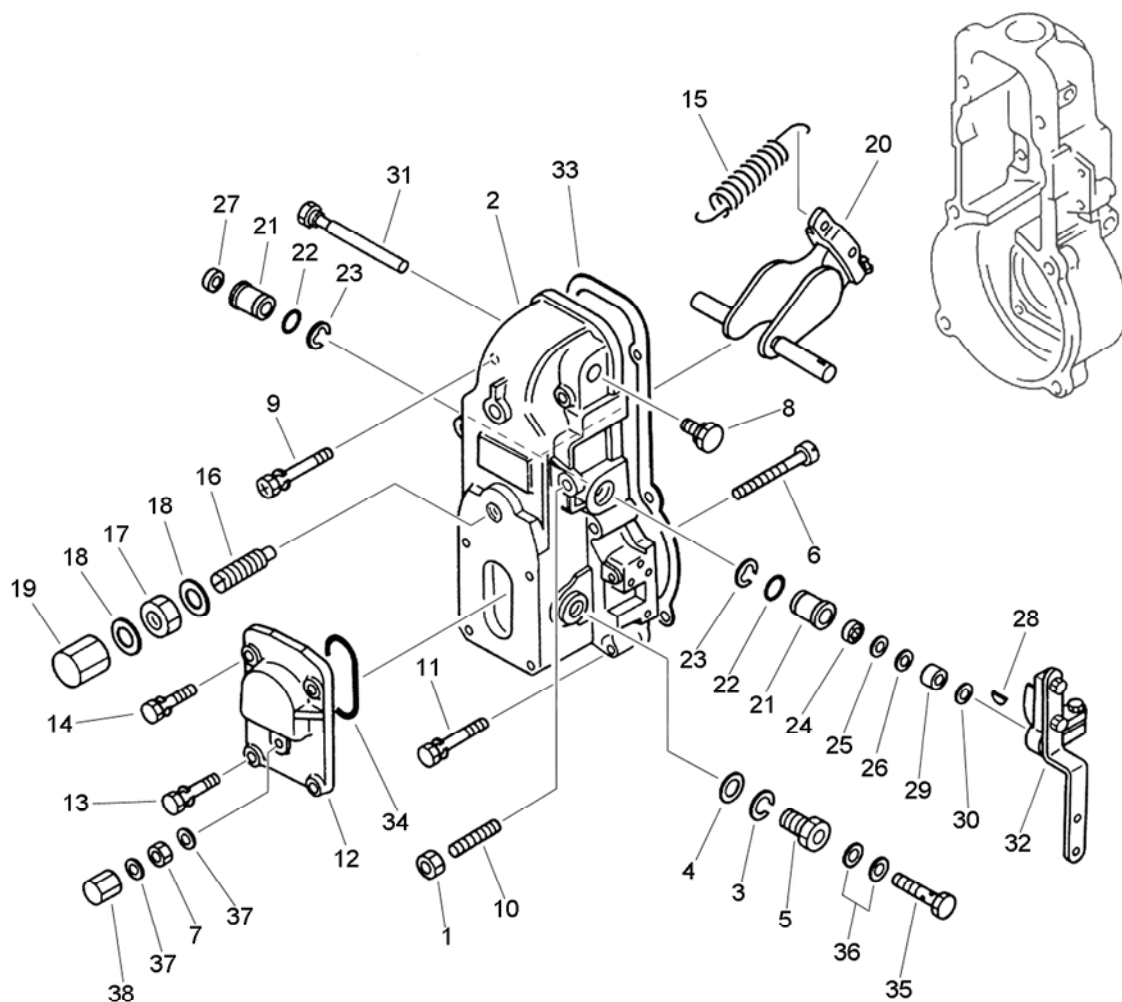
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	11Z7181304	.. SLEEVE, CONTROL	6	Z111550001-0521
34	53Z7110409	.. SCREW	6	Z111550001-0521
35	11Z7111311	.. CAMSHAFT	1	Z111550001-0521
36	11Z7181329	.. BEARING	AR	Z111550001-0521
	11Z7181337	.. BEARING	AR	Z111550001-0521
37	11Z7181345	.. RING	2	Z111550001-0521
38	11Z7181353	.. SHIM 0.10MM	AR	Z111550001-0521
38	11Z7181361	.. SHIM 0.12 MM	AR	Z111550001-0521
38	11Z7181378	.. SHIM 0.14MM	AR	Z111550001-0521
38	11Z7181386	.. SHIM 0.16 MM	AR	Z111550001-0521
38	11Z7181394	.. SHIM 0.18 MM	AR	Z111550001-0521
38	11Z7181401	.. SHIM 0.30 MM	AR	Z111550001-0521
38	11Z7181418	.. SHIM 0.50 MM	AR	Z111550001-0521
38	11Z7181426	.. SHIM 0.70 MM	AR	Z111550001-0521
38	11Z7181434	.. SHIM 1.00MM	AR	Z111550001-0521
38	11Z7181442	.. SHIM 1.40 MM	AR	Z111550001-0521
39	11Z7181459	.. BEARING	1	Z111550001-0521
40	11Z7111466	.. SCREW	2	Z111550001-0521
41	11Z7181475	.. GASKET	2	Z111550001-0521
42	11Z7181483	.. SEAL OIL	1	Z111550001-0521
43	11Z7181491	.. COVER	1	Z111550001-0521
44	11Z7110729	.. BOLT	4	Z111550001-0521
45	11Z7181507	.. O-RING	1	Z111550001-0521
46	11Z7181515	.. COUPLING	1	Z111550001-0521
47	11Z7111522	.. NUT	1	Z111550001-0521
48	11Z7111539	.. WASHER, SPRING	1	Z111550001-0521
49	51Z7180926	.. KEY	1	Z111550001-0521
50	51Z7182879	.. BOLT,JOINT	1	Z111550001-0521
51	51Z7182887	.. GASKET	2	Z111550001-0521



GOVERNOR(1/2), FUEL INJECTION PUMP

FIG. No. 4012

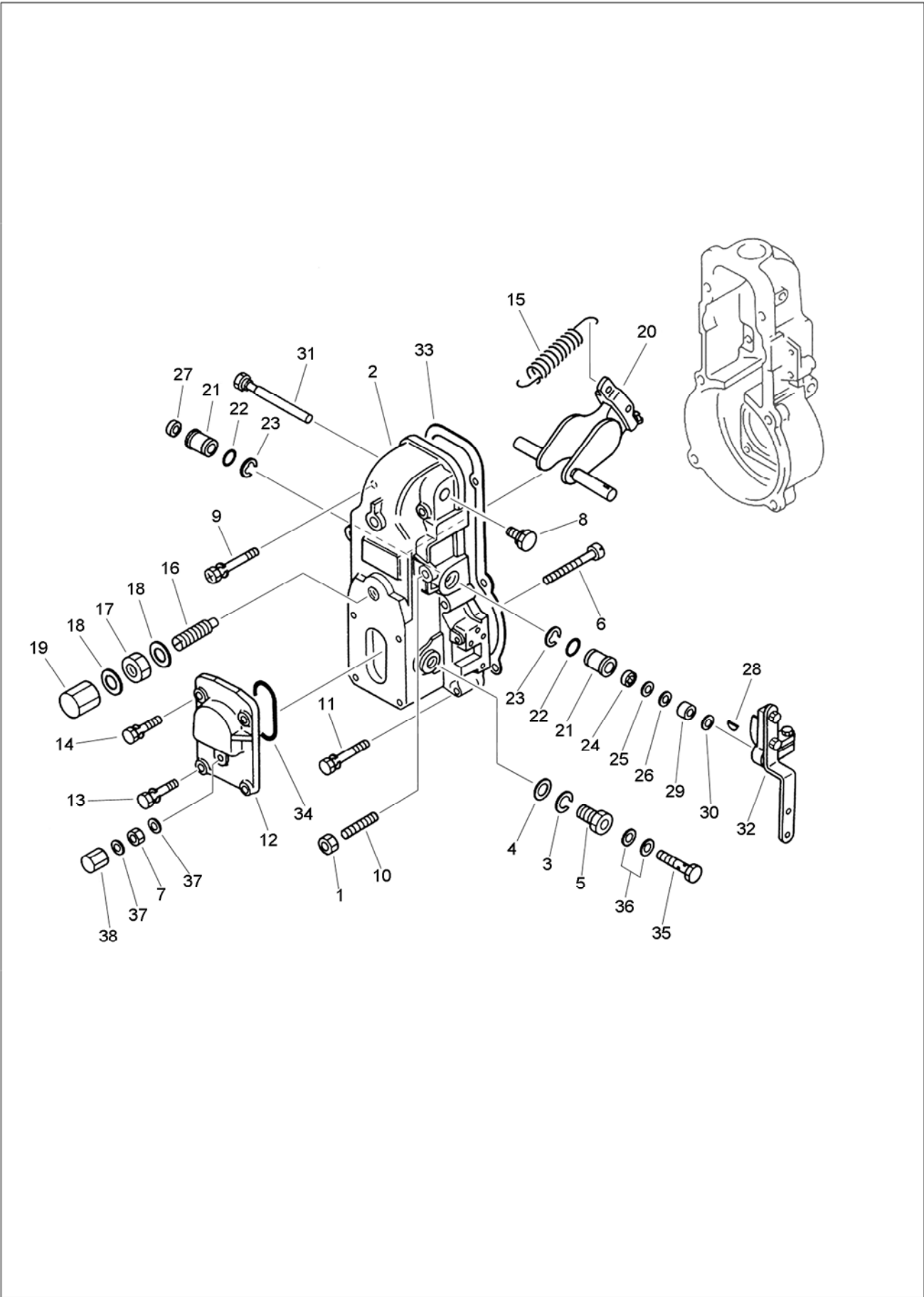
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180065	INJECTION PUMP	1	Z111550001-0521
	11Z7100677	. GOVERNOR ASSY.	1	Z111550001-0521
1	11Z7180681	.. HOUSING	1	Z111550001-0521
2	51Z7181314	.. O-RING	1	Z111550001-0521
3	51Z7183567	.. PLUG	1	Z111550001-0521
4	11Z7110697	.. ADAPTER	1	Z111550001-0521
5	11Z7110704	.. BOLT	1	Z111550001-0521
6	11Z7110712	.. PLATE	1	Z111550001-0521
7	11Z7110729	.. BOLT	6	Z111550001-0521
8	51Z7183583	.. SCREW	1	Z111550001-0521
9	51Z7182076	.. NUT, LOCK	1	Z111550001-0521
10	11Z7180738	.. CAP	1	Z111550001-0521
11	51Z7183615	.. FLYWEIGHT ASSLY.	1	Z111550001-0521
12	51Z7180926	.. KEY	1	Z111550001-0521
13	51Z7181193	.. WASHER, SPRING	1	Z111550001-0521
14	51Z7181088	.. NUT	1	Z111550001-0521
15	11Z7180746	.. SLEEVE	1	Z111550001-0521
16	11Z7180754	.. BEARING	1	Z111550001-0521
17	51Z7181136	.. SHIM 0.20MM	AR	Z111550001-0521
	51Z7181144	.. SHIM 0.30MM	AR	Z111550001-0521
	51Z7181152	.. SHIM 0.40MM	AR	Z111550001-0521
	51Z7181874	.. SHIM 0.50MM	AR	Z111550001-0521
	51Z7181169	.. SHIM 1.00MM	AR	Z111550001-0521
	51Z7181882	.. SHIM 1.50MM	AR	Z111550001-0521
18	11Z7110761	.. SPRING	1	Z111550001-0521
19	11Z7180779	.. CAPSULE, SPRING	1	Z111550001-0521
20	51Z7181071	.. NUT	1	Z111550001-0521
21	11Z7100782	.. GUIDE LEVER ASSY.	1	Z111550001-0521
22	11Z7180795	.. LINK	1	Z111550001-0521
23	51Z7180845	.. SNAP RING	1	Z111550001-0521
24	51Z7183689	.. LEVER TENSION	1	Z111550001-0521
25	51Z7183915	.. IMPELLER	1	Z111550001-0521
26	11Z7180802	.. GASKET	1	Z111550001-0521



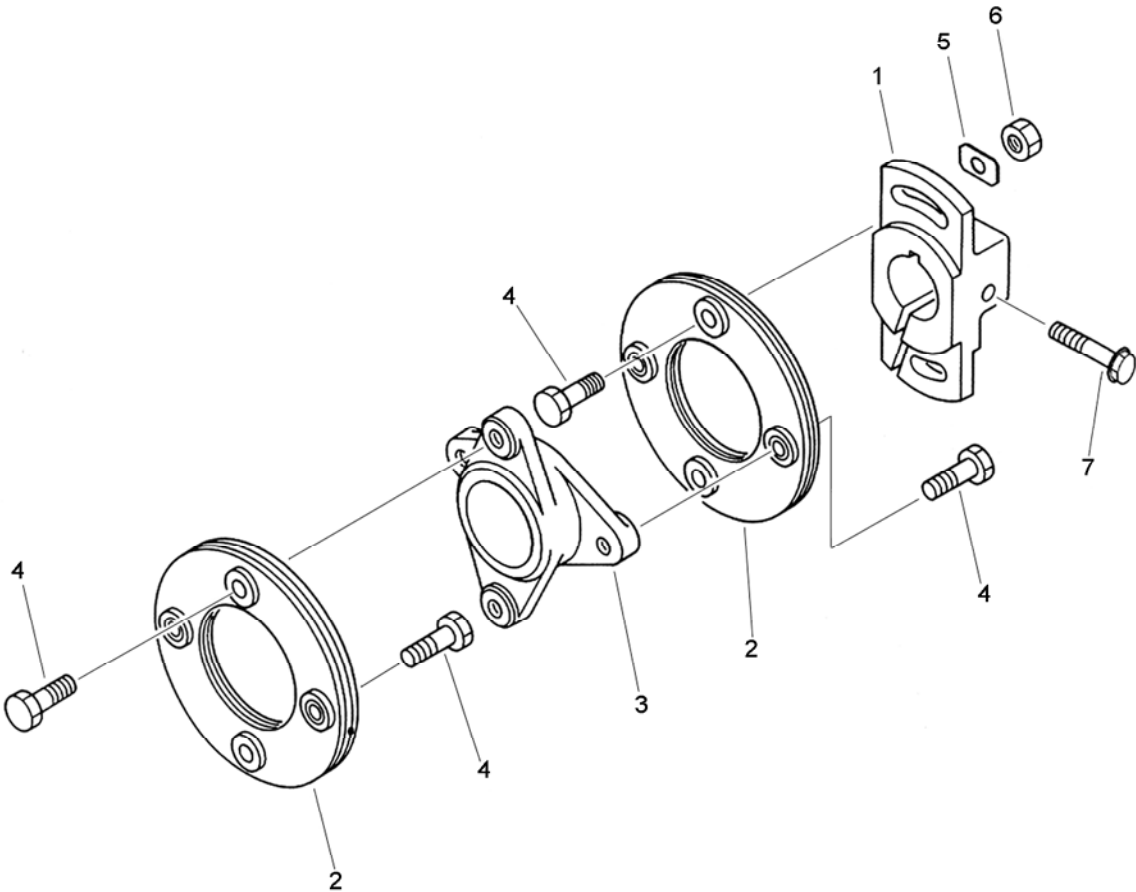
GOVERNOR(2/2), FUEL INJECTION PUMP

FIG. No. 4013

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180065	INJECTION PUMP	1	Z111550001-0521
	11Z7100677	. GOVERNOR ASSY.	1	Z111550001-0521
1	51Z7182076	.. NUT LOCK	1	Z111550001-0521
2	11Z7180916	.. COVER	1	Z111550001-0521
3	11Z7110923	... SPRING, WASHER	1	Z111550001-0521
4	11Z7180932	... GASKET	1	Z111550001-0521
5	11Z7110948	... ADAPTER	1	Z111550001-0521
6	11Z7110956	.. SCREW	1	Z111550001-0521
7	51Z7181096	.. NUT	1	Z111550001-0521
8	51Z7182116	.. PLUG	1	Z111550001-0521
9	51Z7183729	.. BOLT	2	Z111550001-0521
10	51Z7183737	.. SCREW	1	Z111550001-0521
11	51Z7183745	.. BOLT	42	Z111550001-0521
12	11Z7110964	.. COVER	1	Z111550001-0521
13	51Z7181039	.. BOLT	2	Z111550001-0521
14	51Z7183761	.. BOLT	2	Z111550001-0521
15	11Z7110972	.. SPRING, GOVERNOR	1	Z111550001-0521
16	11Z7180981	.. CAPSULE, SPRING	1	Z111550001-0521
17	51Z7183794	.. NUT	1	Z111550001-0521
18	51Z7183801	.. GASKET	2	Z111550001-0521
19	51Z7182238	.. NUT, CAP	1	Z111550001-0521
20	11Z7110997	.. LEVER, SWIVEL	1	Z111550001-0521
21	51Z7183826	.. BUSHING	2	Z111550001-0521
22	51Z7183834	.. O'RING	2	Z111550001-0521
23	51Z7180853	.. RING, SNAP	2	Z111550001-0521
24	51Z7183842	.. SEAL, OIL	1	Z111550001-0521
25	51Z7183859	.. SHIM	1	Z111550001-0521
26	51Z7183867	.. SHIM, 0.3MM	AR	Z111550001-0521
27	11Z7111003	.. PLUG	1	Z111550001-0521
28	51Z7180918	.. KEY	1	Z111550001-0521
29	51Z7183883	.. COLLAR	1	Z111550001-0521
30	51Z7183891	.. WASHER	AR	Z111550001-0521
31	51Z7183923	.. PIN	1	Z111550001-0521
32	11Z7181012	.. LEVER	1	Z111550001-0521

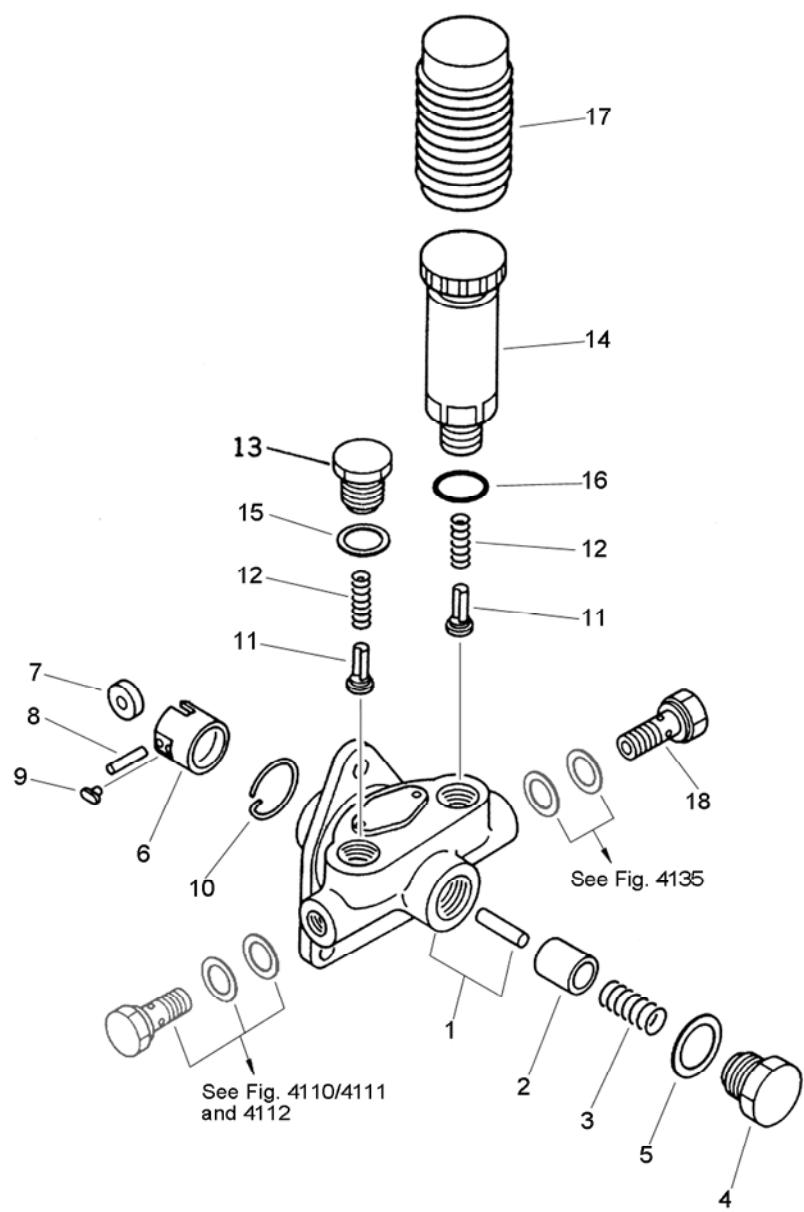


ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	51Z7183948	.. GASKET	1	Z111550001-0521
34	51Z7183956	.. O-RING	1	Z111550001-0521
35	11Z7111028	.. JOINT, BOLT	1	Z111550001-0521
36	51Z7181258	.. GASKET	2	Z111550001-0521
37	51Z7180942	.. GASKET	2	Z111550001-0521
38	51Z7182108	.. NUT, CAP	1	Z111550001-0521



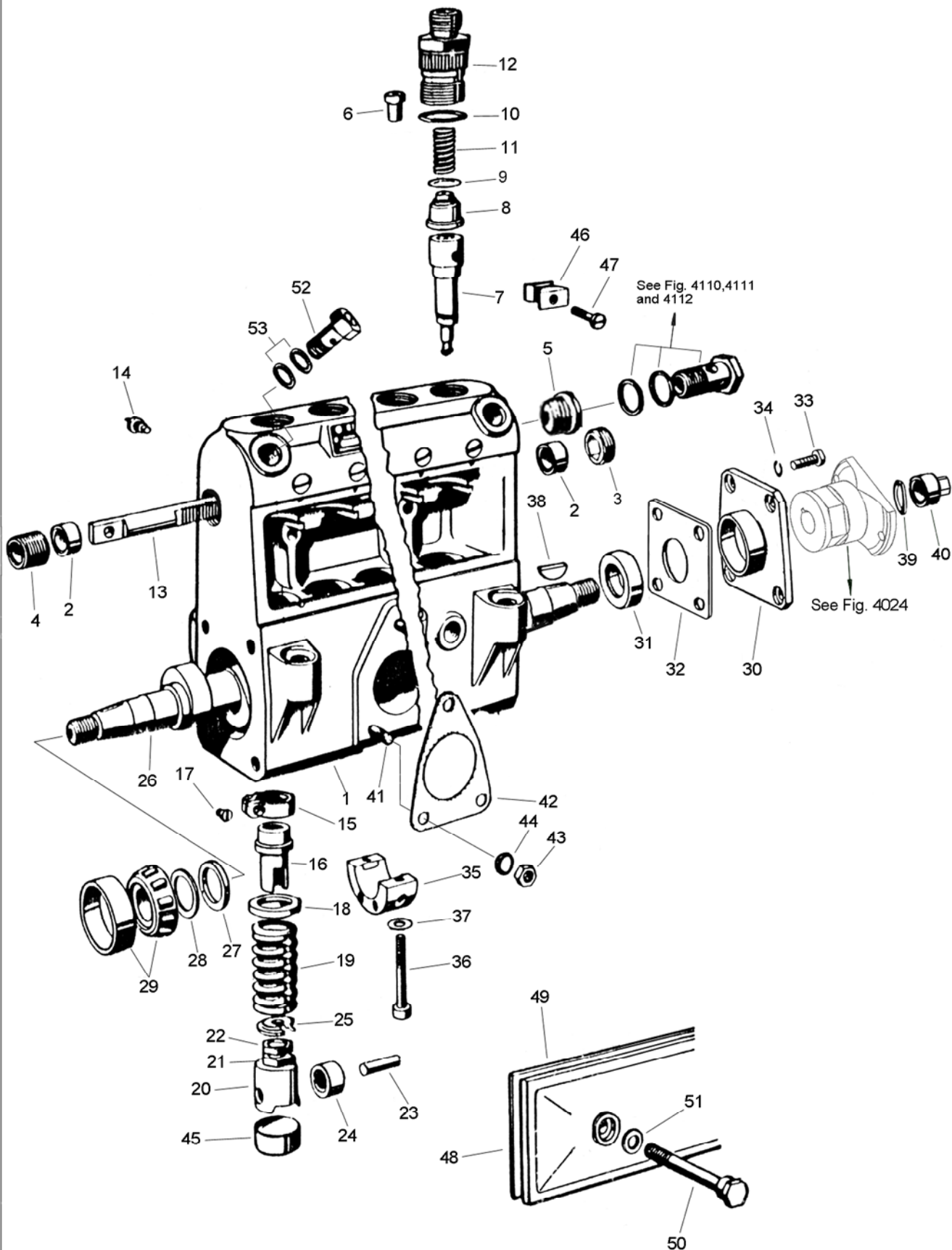
COUPLING, FUEL INJECTION PUMP**FIG. No. 4014**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180065	INJECTION PUMP	1	Z111550001-0521
	11Z7100596	. COUPLING ASSY.	1	Z111550001-0521
1	11Z7180608	.. COUPLING	1	Z111550001-0521
2	11Z7180616	.. PLATE	2	Z111550001-0521
3	11Z7180624	.. COUPLING, CROSS	1	Z111550001-0521
4	11Z7110631	.. BOLT	8	Z111550001-0521
5	11Z7110648	.. WASHER, LOCK	2	Z111550001-0521
6	11Z7110656	.. NUT	2	Z111550001-0521
7	11Z7110664	.. BOLT	1	Z111550001-0521



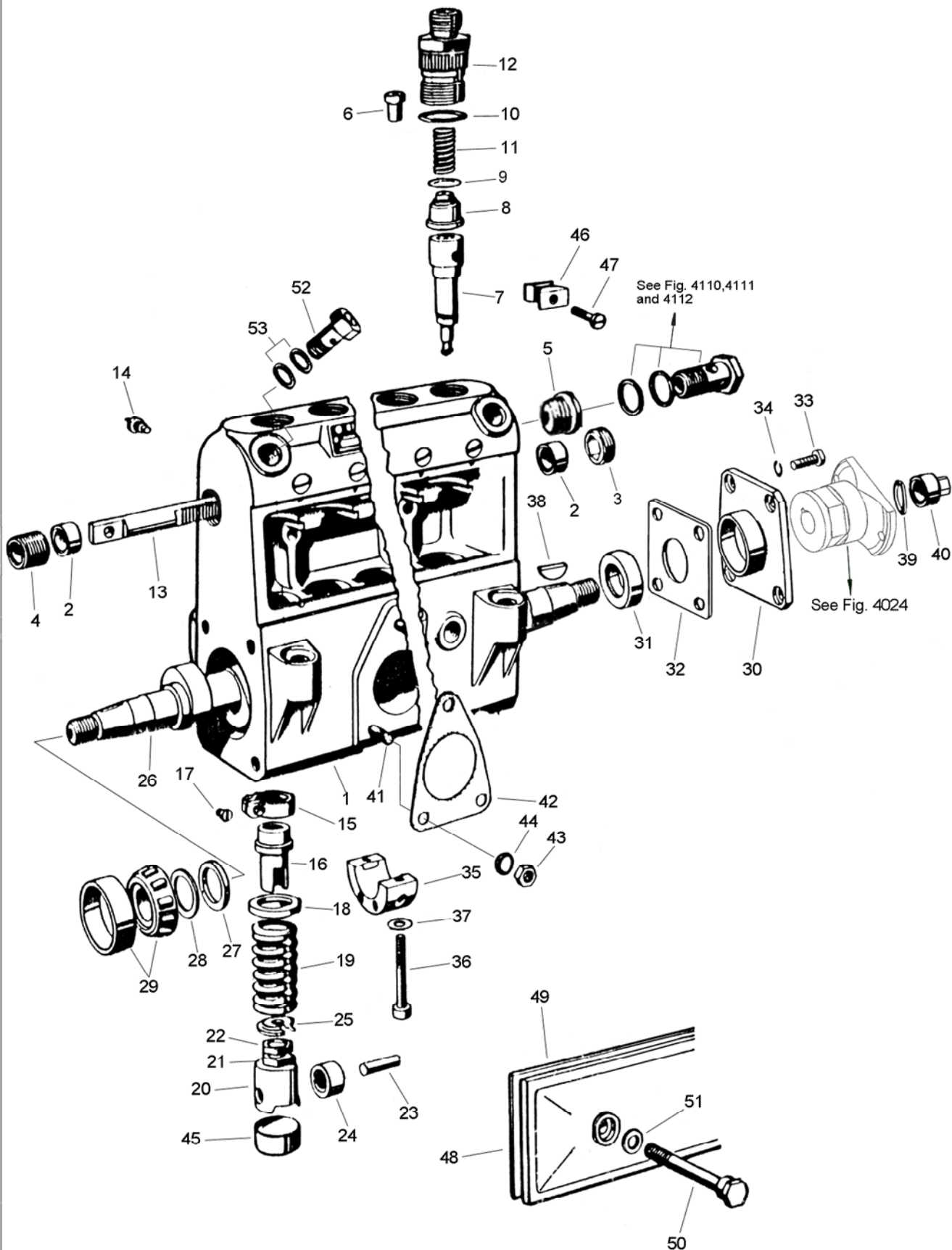
FEED PUMP, FUEL INJECTION PUMP
FIG. No. 4015

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180065	INJECTION PUMP	1	Z111550001-521
	11Z7100814	. FEED PUMP ASSY	1	Z111550001-521
1	11Z7180827	.. HOUSING	1	Z111550001-521
2	51Z7181914	.. PISTON	1	Z111550001-521
3	51Z7181922	.. SPRING	1	Z111550001-521
4	51Z7181939	.. PLUG	1	Z111550001-521
5	51Z7181233	.. GASKET	1	Z111550001-521
6	11Z7100839	.. TAPPET ASSY	1	Z111550001-521
7	11Z7180843	.. ROLLER	1	Z111550001-521
8	11Z7110859	.. PIN	1	Z111550001-521
9	11Z7180868	.. GUIDE	2	Z111550001-521
10	51Z7181988	.. SNAP RING	1	Z111550001-521
11	11Z7180876	.. VALVE	2	Z111550001-521
12	51Z7181963	.. SPRING	2	Z111550001-521
13	11Z7110883	.. PLUG	1	Z111550001-521
14	11Z7100896	.. PUMP,PRIMING	1	Z111550001-521
15	51Z7181209	.. GASKET	1	Z111550001-521
16	51Z7181306	.. O-RING	1	Z111550001-521
17	51Z7182019	.. COVER	1	Z111550001-521
18	41Z7180857	.. BOLT,JOINT	1	Z111550001-521



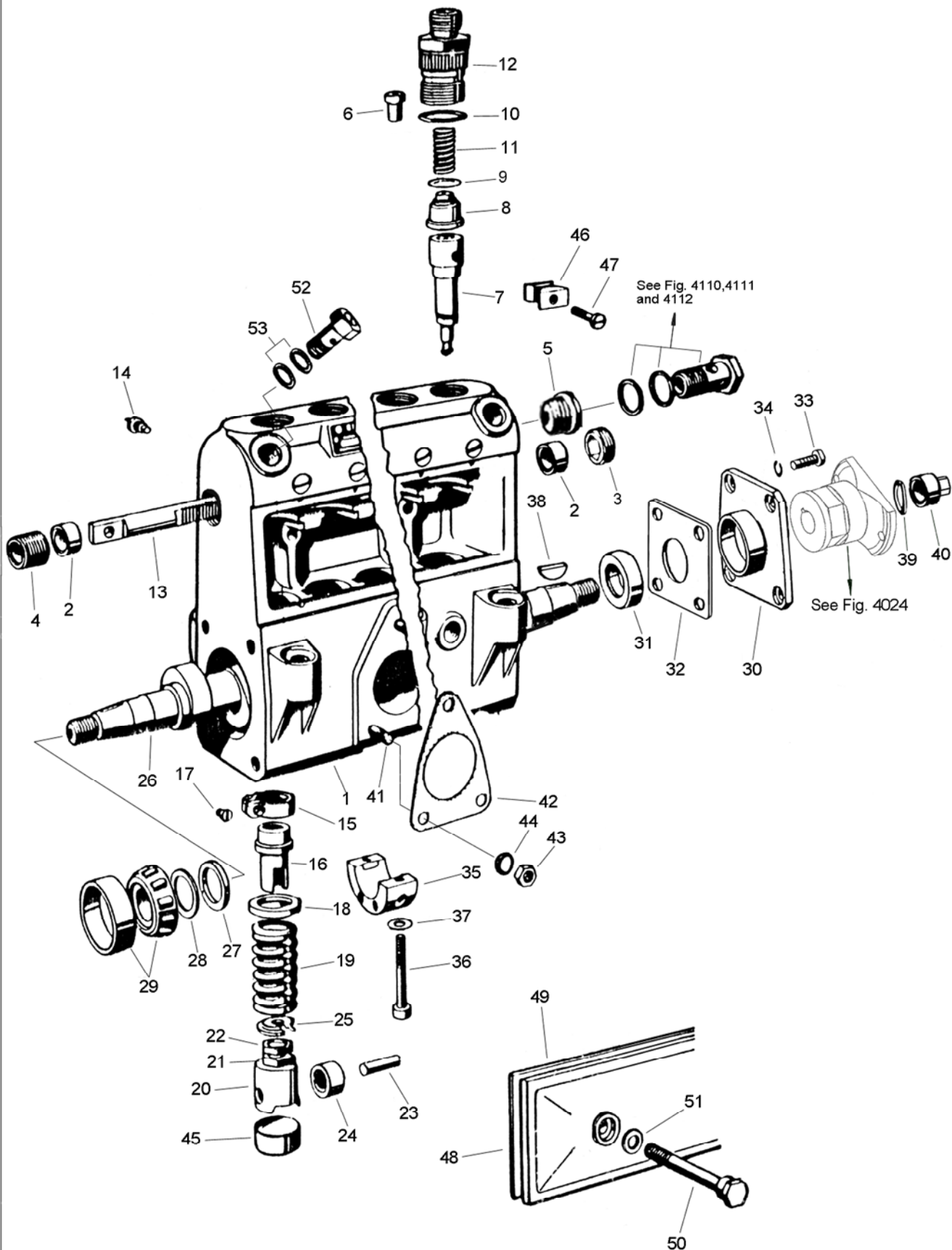
FUEL INJECTION PUMP (MICO)
FIG. No. 4021

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7100288	INJECTION PUMP ASSY.(MICO)	1	Z111550522-0750
	11Z7100409	INJECTION PUMP ASSY.(MICO)	1	Z111550751-
	MICO PART NO.			
	9410036073	FUEL INJECTION PUMP	1	Z111550522-0750
	F002A10028	FUEL INJECTION PUMP	1	Z111550751-
1	9413035309	. PUMP HOUSING	1	Z111550522-
2	1410202086	.. GUIDE BUSH	2	Z111550522-
3	1413344001	.. THREADED BUSH	1	Z111550522-
4	1410361001	.. THREAD BUSHING	1	Z111550522-
5	1413455080	.. REDUCING NIPPLE	1	Z111550522-
6	1410326005	. FILLER PIECE	6	Z111550522-
7	9412038344	. PUMPING ELEMENT	6	Z111550522-
8	9411038578	. DELIVERY VALVE ASSEMBLY	6	Z111550522-
9	1410105001	. GASKET	6	Z111550522-
10	1410210050	. O-RING	6	Z111550522-
11	1414613013	. COMPRESSION SPRING	6	Z111550522-
12	1413372091	. DELIVERY VALVE HOLDER	6	Z111550522-0750
12	1413372090	. DELIVERY VALVE HOLDER	6	Z111550751-
13	1416026004	. CONTROL ROD	1	Z111550522-
14	1413412004	. CONTROL ROD LOCATING SCREW	1	Z111550522-
15	1416336061	. GEAR SEGMENT, NOMINAL SIZE	AR	Z111550522-
15	1416336060	. GEAR SEGMENT, OVER SIZE	AR	Z111550522-
16	F002A11226	. REGULATING SLEEVE	6	Z111550522-
17	F002A11236	. CLAMPING SCREW	6	Z111550522-
18	1410114022	. SPRING PLATE - UPPER	6	Z111550522-
19	1414618028	. COMPRESSION SPRING	6	Z111550522-
20	1418720025	. ROLLER TAPPET ASSEMBLY	6	Z111550522-
21	1413300028	.. LOCK NUT	6	Z111550522-
22	1413450010	.. ADJUSTING SCREW	6	Z111550522-
23	1413100030	.. ROLLER PIN	6	Z111550522-
24	1410300248	.. ROLLER	6	Z111550522-
25	1410120071	. SPRING PLATE - LOWER	6	Z111550522-
26	9412036115	. CAMSHAFT	1	Z111550522-
27	1410202042	. STOP RING, PUMP END -1	1	Z111550522-



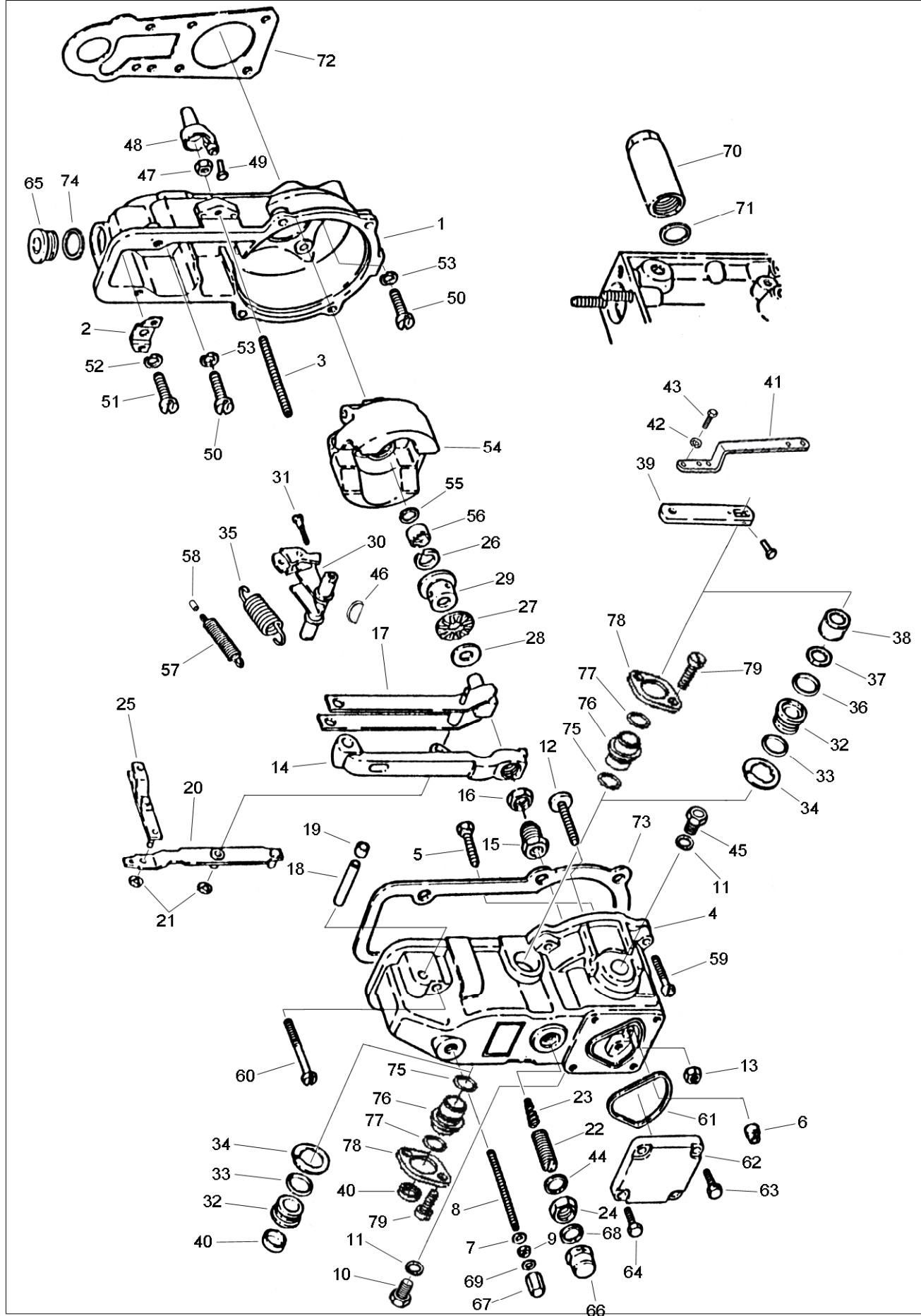
FUEL INJECTION PUMP (MICO)
FIG. No. 4021

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
27	1410202034	• STOP RING, PUMP END -2	1	Z111550522-
28		• SHIMS FOR CAMSHAFT ,PUMP END -1		Z111550522-
	1410101610	0.1 MM THICK	AR	Z111550522-
	1410101612	0.12 MM THICK	AR	Z111550522-
	1410101614	0.14 MM THICK	AR	Z111550522-
	1410101616	0.16 MM THICK	AR	Z111550522-
	1410101618	0.18 MM THICK	AR	Z111550522-
	1230101608	0.30 MM THICK	AR	Z111550522-
	1410101620	0.50 MM THICK	AR	Z111550522-
	1410101630	1.00 MM THICK	AR	Z111550522-
28		• SHIMS FOR CAMSHAFT ,PUMP END- 2		Z111550522-
	1410102625	0.1 MM THICK	AR	Z111550522-
	1410102626	0.12 MM THICK	AR	Z111550522-
	1410102627	0.14 MM THICK	AR	Z111550522-
	1410102628	0.16 MM THICK	AR	Z111550522-
	1410102629	0.18 MM THICK	AR	Z111550522-
	1410102630	0.30 MM THICK	AR	Z111550522-
	1410102631	0.50 MM THICK	AR	Z111550522-
	1410102632	1.00 MM THICK	AR	Z111550522-
29	1900910201	• TAPERED-ROLLER BEARING,PUMP END -1	1	Z111550522-
29	1900910202	• TAPERED-ROLLER BEARING,PUMP END- 2	1	Z111550522-
30	1415522054	• BEARING END PLATE	1	Z111550522-
31	1410281012	• OIL SEAL	1	Z111550522-
32	1411039006	• GASKET	1	Z111550522-
33	2914552156	• SCREW FOR BEARING, END PLATE	4	Z111550522-
34	1410100037	• GASKET	4	Z111550522-
35	9411035800	• INTERMEDIATE BEARING	1	Z111550522-
36	2912701166	• SCREW FOR INTERMEDIATE BEARING	2	Z111550522-
37	1410105007	• SEALING WASHER FOR SCREW	2	Z111550522-
38	1900023008	• WOODRUFF KEY	1	Z111550522-
39	9411030135	• SPRING LOCK WASHER	1	Z111550522-
40	9411033319	• CAP NUT	1	Z111550522-
41	1413502000	• THREADED PIN	3	Z111550522-
42	1411073000	• GASKET	1	Z111550522-



FUEL INJECTION PUMP (MICO)**FIG. No. 4021**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
43	2915012007	. HEXAGON NUT	3	Z111550522-
44	2916690005	. SPRING LOCK WASHER	3	Z111550522-
45	1410551036	. BASE CLOSING PLUG	6	Z111550522-
46	1410023009	. CLAMPING PIECE	5	Z111550522-
47	1410023009	. CLAMPING PIECE	5	Z111550522-
48	1415626114	. CLOSING COVER	1	Z111550522-
49	1411015097	. GASKET	1	Z111550522-
50	1413414009	. SCREW	2	Z111550522-
51	1410210037	. O-RING	2	Z111550522-
52	F002A10627	. OVERFLOW VALVE	1	Z111550522-
53	2916710610	. FLAT SEAL RING	2	Z111550522-

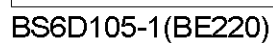


GOVERNOR, FUEL INJECTION PUMP (MICO)

FIG. No. 4022

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7100288	INJECTION PUMP ASSY.(MICO)	1	Z111550522-0750
	11Z7100409	INJECTION PUMP ASSY.(MICO)	1	Z111550751-
	MICO P/NO			
	9420034395	GOVERNOR ASSY.	1	Z111550522-0750
	F002A20025	GOVERNOR ASSY.	1	Z111550751-0789
	F002A20095	GOVERNOR ASSY.	1	Z111550790-
1	1425121056	. GOVERNOR HOUSING	1	Z111550522-
2	1421323000	. HOLDING PLATE	1	Z111550522-
3	1423400031	. MAX. SPEED STOP SCREW	1	Z111550522-
	9421035351	. GOVERNOR COVER ASSY.	1	Z111550522-0750
	F002A20525	. GOVERNOR COVER ASSY.	1	Z111550751-0789
	F002A20595	. GOVERNOR COVER ASSY.	1	Z111550790-
4	1425627009	.. GOVERNOR COVER ALONE	1	Z111550522-0789
4	F002A21494	.. GOVERNOR COVER ALONE	1	Z111550790-
5	1423590014	.. STOP SCREW	1	Z111550522-
6	2423341001	.. ROUND NUT	1	Z111550522-
7	2916710602	.. FLAT SEAL RING	1	Z111550522-
8	1423400031	.. IDLING STOP SCREW	1	Z111550522-
9	1423300058	.. HEXAGON NUT	1	Z111550522-
10	2911271702	.. SCREW PLUG	1	Z111550522-
11	2916710611	.. FLAT SEAL RING	2	Z111550522-
12	1423410011	.. FULL LOAD STOP SCREW	1	Z111550522-
13	2915012007	.. HEXAGON NUT, FULL LOAD STOP SCREW	1	Z111550522-
14	1422031021	.. TENSIONING LEVER	1	Z111550522-
15	1420506640	.. ADOPTION CAPSULE	1	Z111550522-0750
15	1420506609	.. ADOPTION CAPSULE	1	Z111550751-
16	1463300302	.. HEXAGON NUT	1	Z111550522-
17	1421933037	.. GUIDE LEVER	1	Z111550522-
18	1423000005	.. LEVER SHAFT	1	Z111550522-
19	1420505040	.. CLOSURE CAP	2	Z111550522-
20	1421901179	.. FULCRUM LEVER	1	Z111550522-
21	2916080907	.. CIRCLIP	2	Z111550522-
22	1423401012	.. SUPPLEMENT IDLING SPRING ASSY.	1	Z111550522-
23	1424641001	.. COMP RING	11	Z111550522-

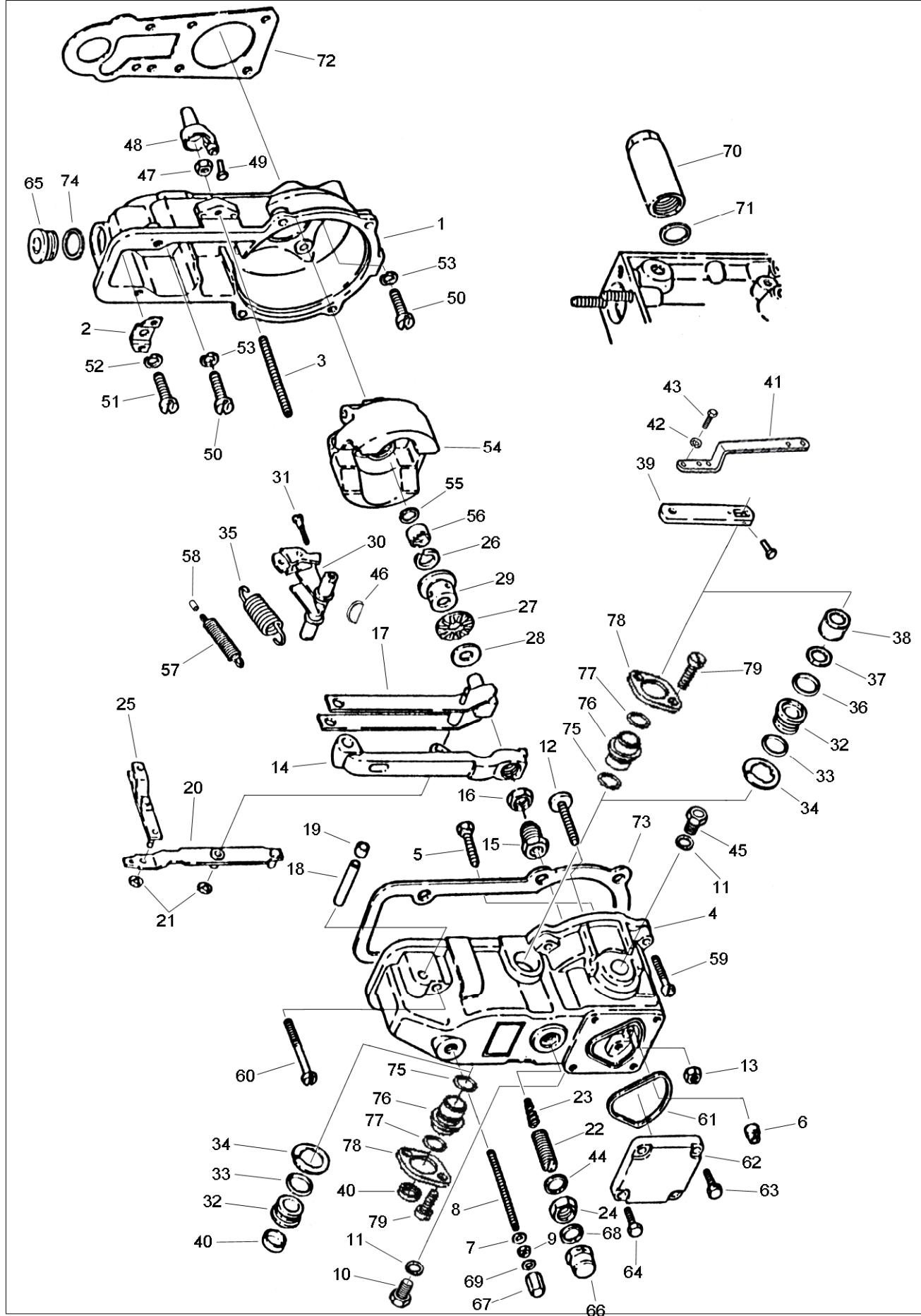
FIG. No. 4022



GOVERNOR, FUEL INJECTION PUMP (MICO)

FIG. No. 4022

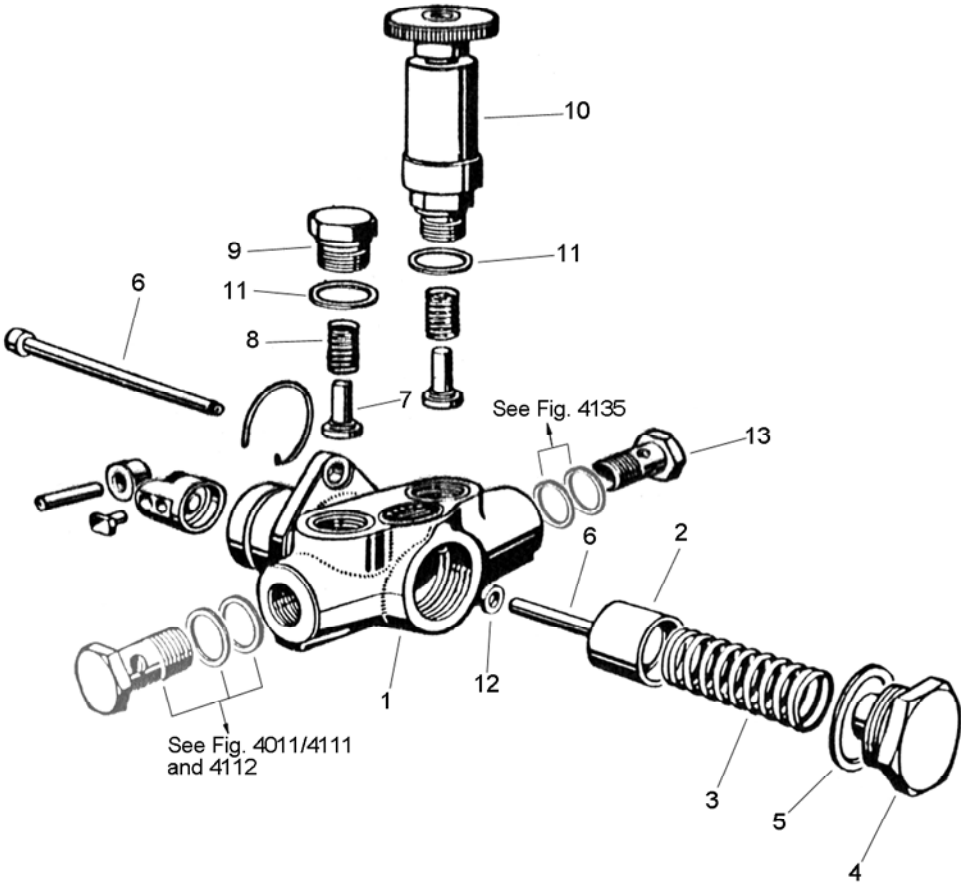
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
24	1423300020	.. HEX NUT	1	Z111550522-
25	9421031905	.. SHACKLE	1	Z111550522-
26	2916600006	.. RETAINER	1	Z111550522-
27	F002A20864	.. NEEDLE -ROLLER BEARING	1	Z111550522-
28	1420101078	.. SUPPORTING DISC	1	Z111550522-
29	9421030333	.. SLIDING SLEEVE	1	Z111550522-
30	1422013044	.. SWIVELING LEVER	1	Z111550522-0789
30	1422013095	.. SWIVELING LEVER	1	Z111550790-
31	1423414037	.. ADJUSTING SCREW	1	Z111550522-
32	1420328034	.. BEARING BUSH	2	Z111550522-0789
33	1900210013	.. O-RING	2	Z111550522-0789
34	2916080015	.. CIRCLIP	2	Z111550522-
35	1424650005	.. GOVERNOR SPRING	1	Z111550522-
36	1420210010	.. O-RING	1	Z111550522-0789
37	1420101634	.. SHIM 0.50MM THICK	AR	Z111550522-
37	1420101030	.. SHIM 1.00 MM THICK	AR	Z111550522-
38	1420300073	.. BUSHING	1	Z111550522-0789
38	9421030321	.. BUSHING	1	Z111550790-
39	1422002432	.. CONTROL LEVER	1	Z111550522-
40	1420500005	.. CAP	1	Z111550522-
41	9421032072	.. CONTROL LEVER	1	Z111550522-
42	2916699132	.. SPRING WASHER	2	Z111550522-
43	2911062196	.. HEXAGON SCREW	2	Z111550522-
44	1460105309	.. FLAT SEAL RING	1	Z111550522-
45	1413462102	.. REDUCING NIPPLE	1	Z111550522-
46	1900023005	.. WOODRUFF KEY	1	Z111550522-
47	2915012007	. HEXAGON NUT	1	Z111550522-
48	1420524000	. PROTECTIVE CAP	1	Z111550522-
49	1423120063	. LEAD SEAL	1	Z111550522-
50	2912732199	. SCREW	6	Z111550522-
51	2914552179	. SCREW	1	Z111550522-
52	2916699134	. SPRING WASHER	1	Z111550522-
53	2916690005	. SPRING WASHER	6	Z111550522-
54	1428194021	. FLYWEIGHT ASSEMBLY	1	Z111550522-



GOVERNOR, FUEL INJECTION PUMP (MICO)

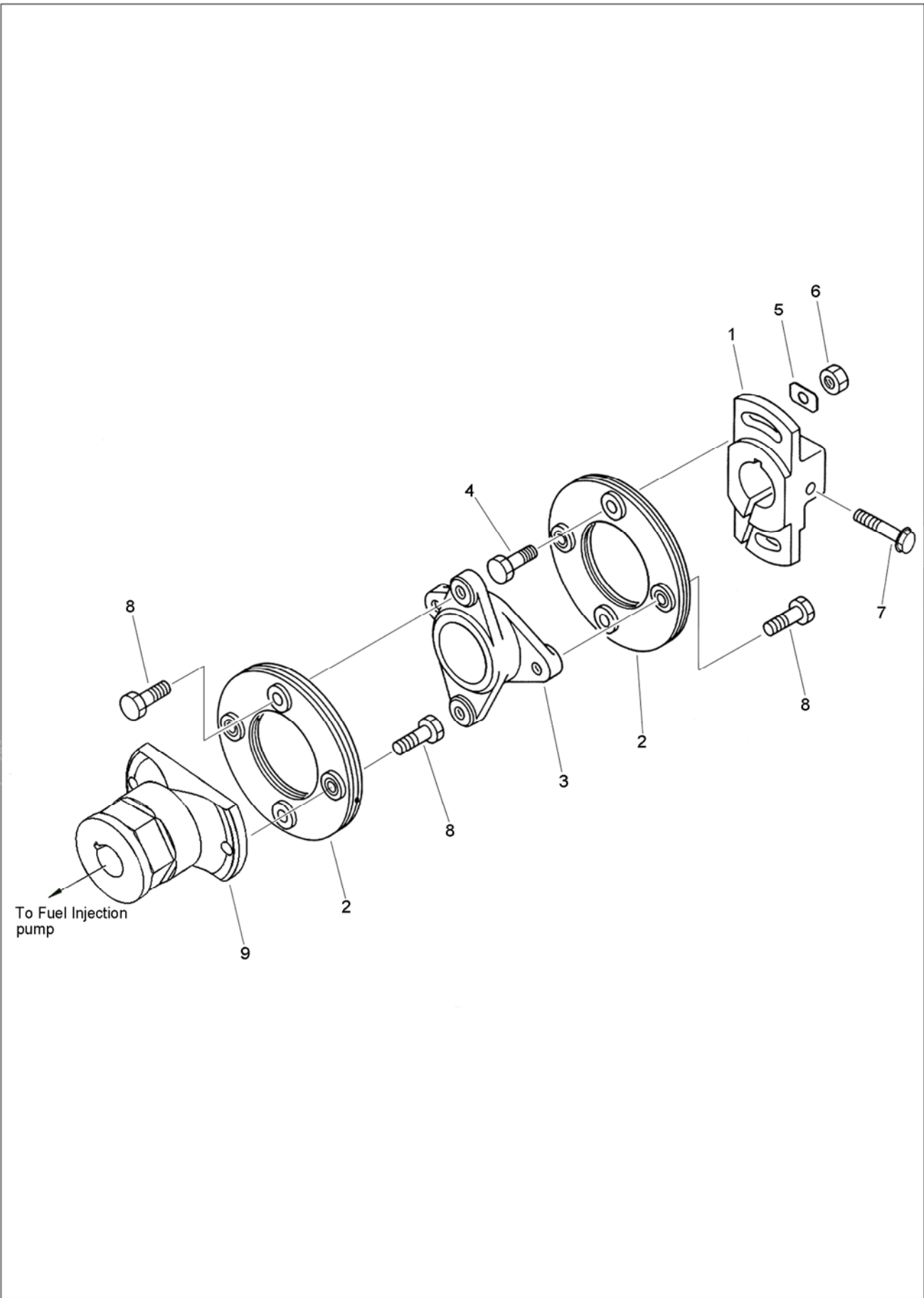
FIG. No. 4022

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
55	1420151001	. SPRING WASHER	1	Z111550522-
56	1423341034	. ROUND NUT	1	Z111550522-
57	1424650060	. STARTING SPRING WITH SLEEVE	1	Z111550522-
58	1420707005	. SLEEVE FOR STARTING SPRING	1	Z111550522-
59	2912732203	. SCREW-LOWER	4	Z111550522-
60	2912732209	. SCREW-UPPER	2	Z111550522-
61	1420206016	. SEALING RING	1	Z111550522-
62	1421038013	. CLOSING COVER	1	Z111550522-
63	2911182193	. BREAK-OFF SCREW	2	Z111550522-
64	2911062193	. HEXAGON SCREW	2	Z111550522-
65	9421033430	. SCREW PLUG	1	Z111550522-
66	1423317044	. CAP NUT	1	Z111550522-
67	1423317015	. CAP NUT	1	Z111550522-
68	1460105309	. FLAT SEAL RING	1	Z111550522-
69	2916710602	. FLAT SEAL RING	1	Z111550522-
70	1420521001	. CONTROL ROD STOP	1	Z111550522-
71	1420211005	. GASKET	1	Z111550522-
72	9421031004	. GASKET	1	Z111550522-
73	1421015047	. GASKET	1	Z111550522-
74	F002A21474	. GASKET	1	Z111550790-
75	1420210028	. O-RING	2	Z111550790-
76	2420328030	. BEARING BUSH	2	Z111550790-
77	1420283006	. SHAFT SEALING RING	2	Z111550790-
78	2420050011	. FASTENING PLATE	2	Z111550790-
79	2914551167	. SCREW	4	Z111550790-



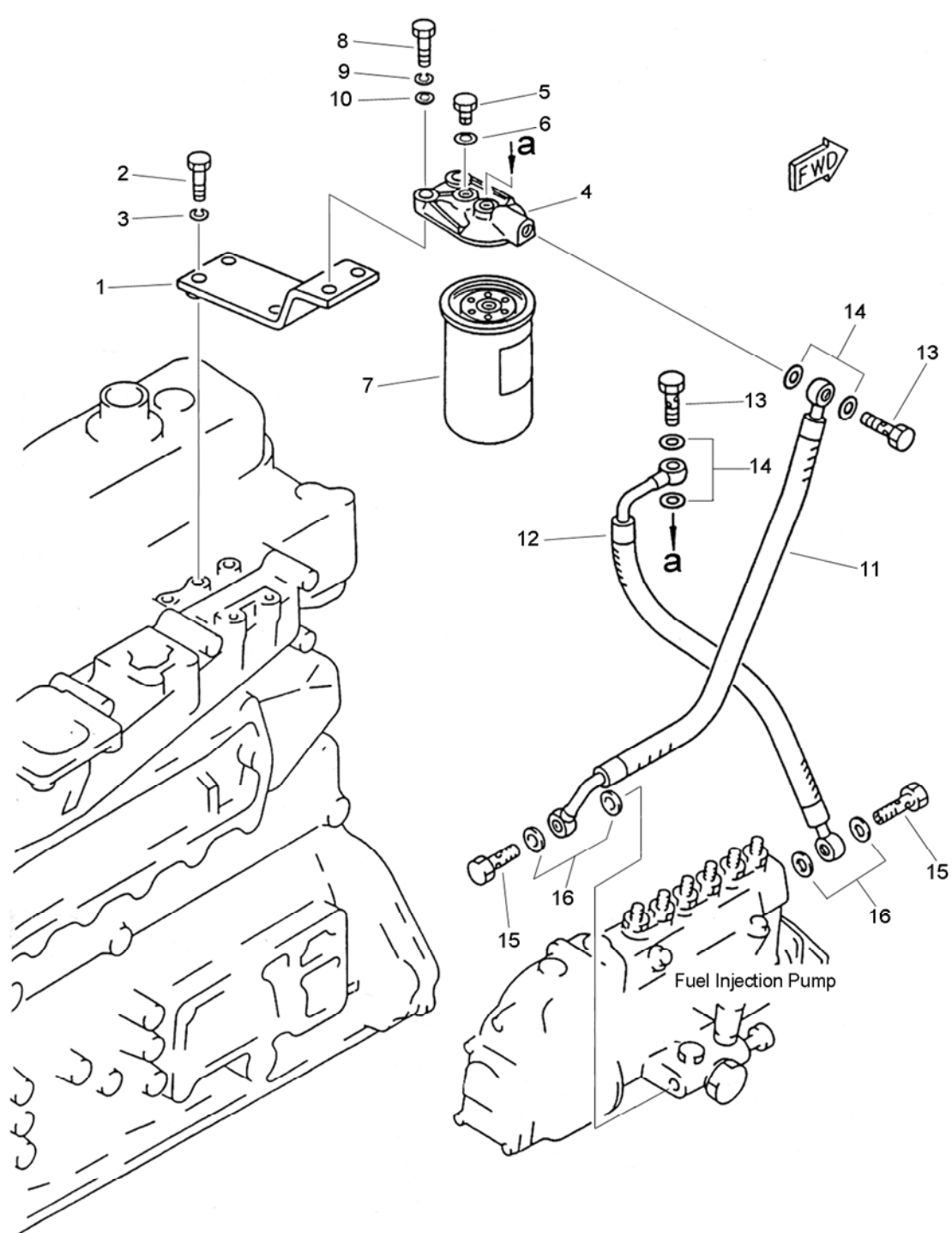
FEED PUMP, FUEL INJECTION PUMP (MICO)
FIG. No. 4023

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7100288	INJECTION PUMP ASSY.(MICO)	1	Z111550522-0750
	11Z7100409	INJECTION PUMP ASSY.(MICO)	1	Z111550751-
	MICO P/NO			
1		. HOUSING		Z111550522-
2	2449998709	. FEED PUMP PLUNGER,BLUE	AR	Z111550522-
2	2449998713	. FEED PUMP PLUNGER,WHITE	AR	Z111550522-
3	2444617010	. PLUNGER SPRING	1	Z111550522-
4	9441033404	. CLOSING PLUG	1	Z111550522-
5	2440105000	. SEALING RING	1	Z111550522-
6	2443120022	. PRESSURE SPINDLE	1	Z111550522-
7	2443203001	. VALVE	2	Z111550522-
8	2444615006	. SPRING	2	Z111550522-
9	9441033405	. CLOSING PLUG	1	Z111550522-
10	9441037202	. HAND PRIMER	1	Z111550522-
11	1230203001	. SEALING RING	2	Z111550522-
12	2440210009	. O-RING	1	Z111550522-
13	2443456900	. BANJO BOLT	1	Z111550522-



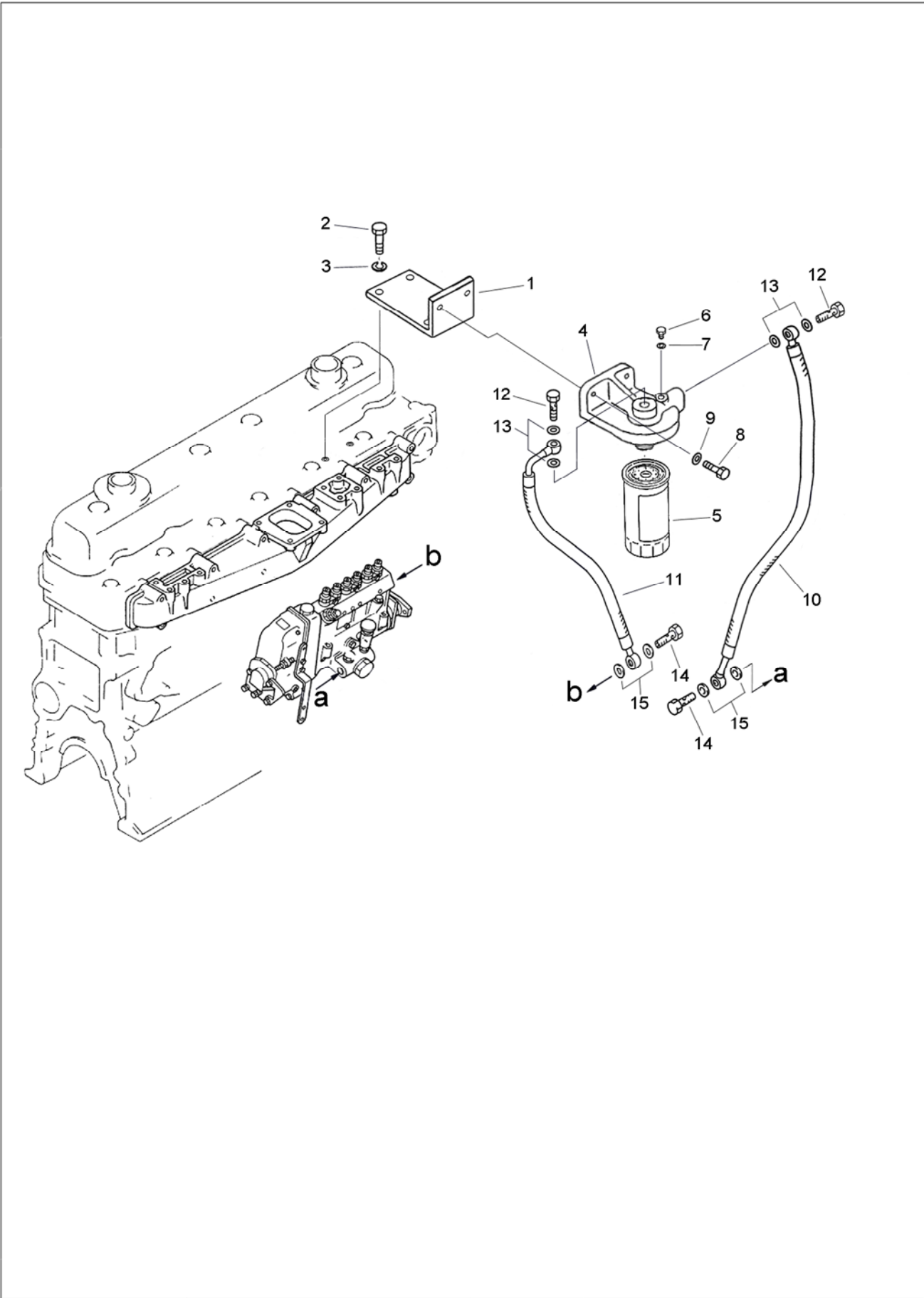
COUPLING, FUEL INJECTION PUMP**FIG. No. 4024**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7180316	COUPLING	1	Z111550522-
2	11Z7180308	FLEX PLATE ASSEMBLY	2	Z111550522-
3	11Z7180268	YOKE	1	Z111550522-
4	CFB01-20830	BOLT	2	Z111550522-
5	11Z7110356	WASHER	2	Z111550522-
6	CFN01-20868	NUT	2	Z111550522-
7	CFB01-20840	BOLT	1	Z111550522-
8	CFS01-30820	BOLT	6	Z111550522-
9	11Z7180292	COUPLING HALF.	1	Z111550522-



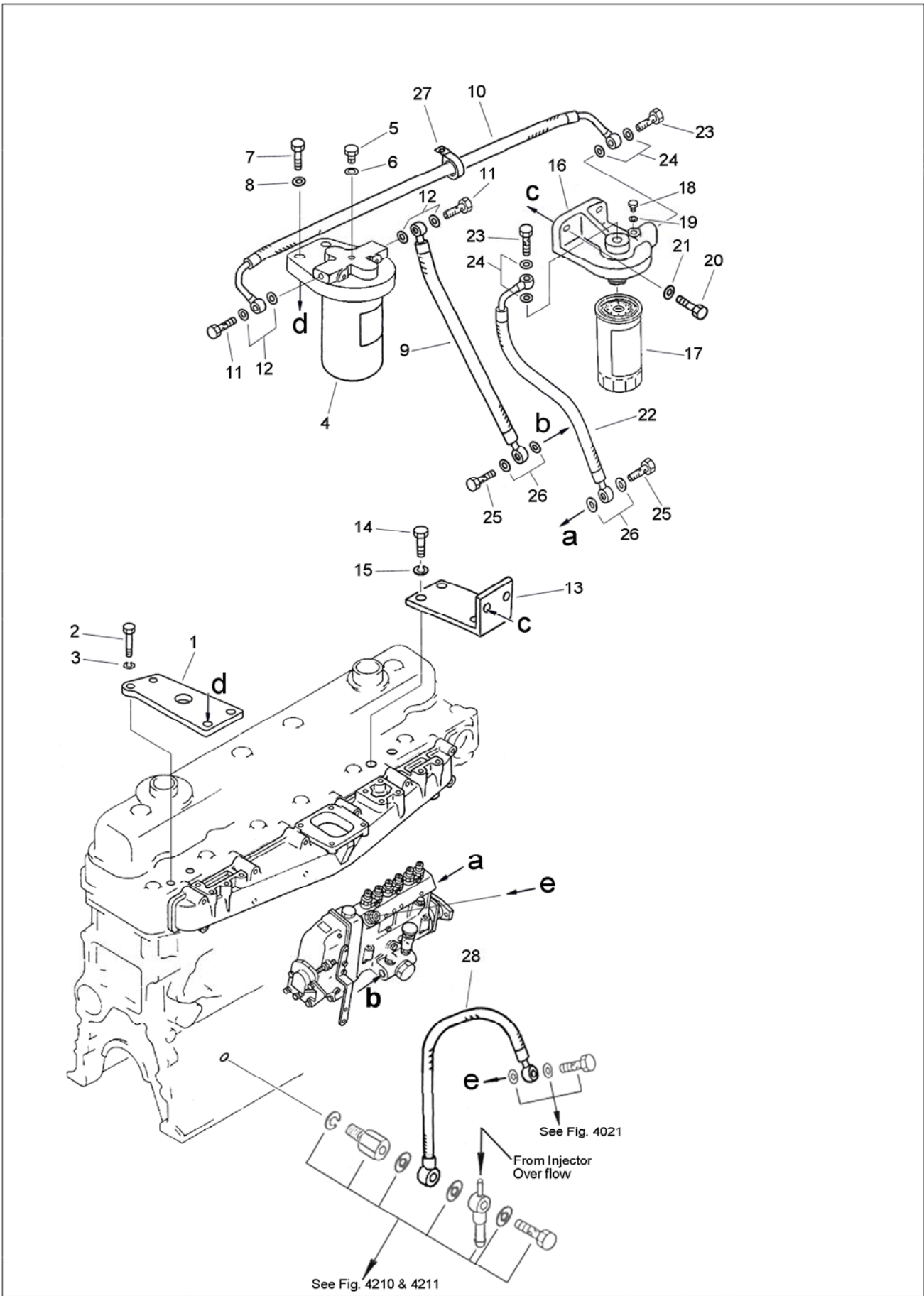
FUEL FILTER & PIPING
FIG. No. 4110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z7130114	BRACKET, FUEL FILTER	1	Z111550001-0144
2	CFB01-21035	BOLT	2	Z111550001-0144
3	CFW01-11030	WASHER, SPRING	2	Z111550001-0144
	10Z7180238	FUEL FILTER ASSY.	1	Z111550001-0144
4	10Z7120013	. HEAD	1	Z111550001-0144
5	10Z7110286	. PLUG	1	Z111550001-0144
6	CPF06-01412 K2	. GASKET	1	Z111550001-0144
7	10Z7180132	. CARTRIDGE	1	Z111550001-0144
8	CFB01-21030	BOLT	2	Z111550001-0144
9	CFW01-11030	WASHER, SPRING	2	Z111550001-0144
10	CFW02-11020	WASHER	2	Z111550001-0144
11	10Z7180157	HOSE	1	Z111550001-0144
12	10Z7180246	HOSE	1	Z111550001-0144
13	CPF12-11014	BOLT JOINT	2	Z111550001-0144
14	CPF06-01412 K2	GASKET	4	Z111550001-0144
15	CPF12-11014	BOLT JOINT	2	Z111550001-0144
16	CPF06-01412 K2	GASKET	4	Z111550001-0144



FUEL FILTER & PIPING**FIG. No. 4111**

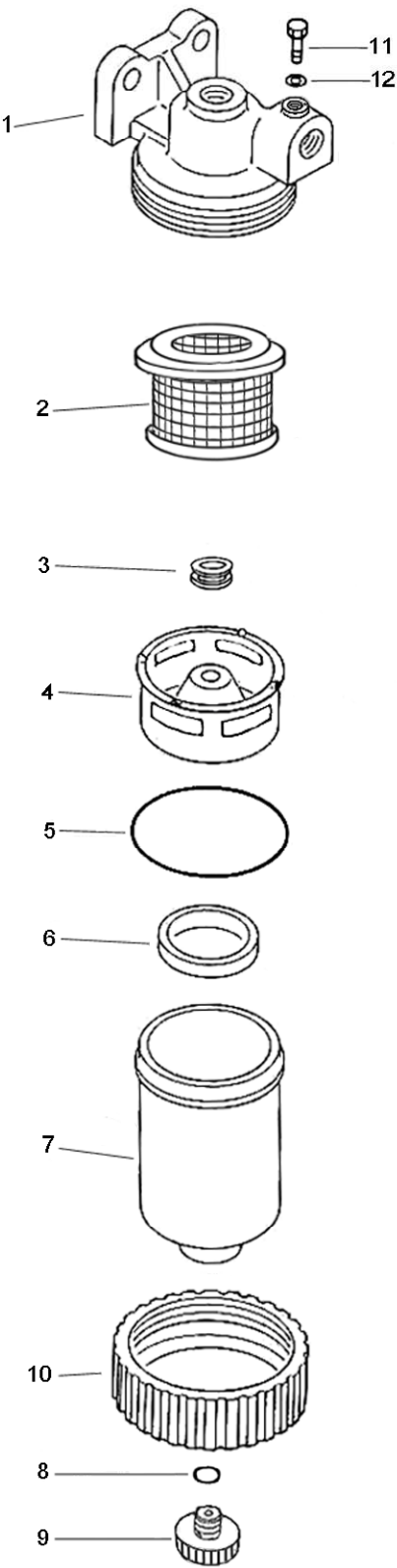
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z7130399	BRACKET ,FUEL FILTER	1	Z111550145-0467
2	CFB01-21030	BOLT	2	Z111550145-0467
3	CFW01-11030	WASHER,SPRING	2	Z111550145-0467
	30Z7180377	FUEL FILTER ASSY.	1	Z111550145-0467
4	30Z7120152	. HEAD	1	Z111550145-0467
5	30Z7180369	. CARTRIDGE	1	Z111550145-0467
6	30Z7110076	. PLUG	1	Z111550145-0467
7	CPF06-00812 K2	. GASKET	1	Z111550145-0467
8	CFB01-21030	BOLT	2	Z111550145-0467
9	CFW02-11020	WASHER	2	Z111550145-0467
10	30Z7180441	HOSE	1	Z111550145-0467
11	11Z7160374	HOSE	1	Z111550145-0467
12	CPF12-11014	BOLT JOINT	2	Z111550145-0467
13	CPF06-01412 K2	GASKET	4	Z111550145-0467
14	CPF12-11014	BOLT JOINT	2	Z111550145-0467
15	CPF06-01412 K2	GASKET	4	Z111550145-0467



FUEL FILTER, PRE-FILTER & PIPING

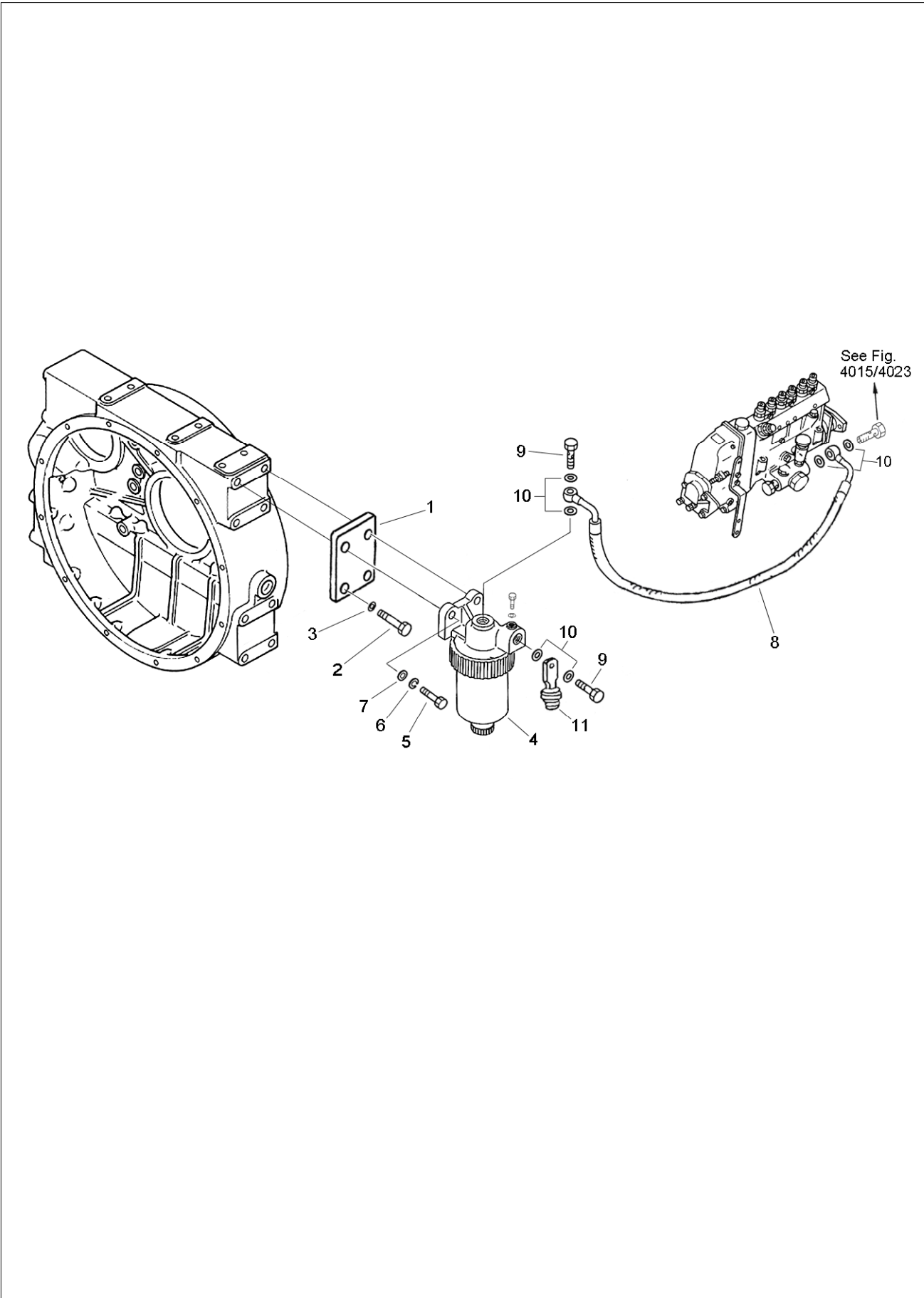
FIG. No. 4112

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7100214	BRACKET PRE FILTER,MTG	1	Z111550468-
2	CFB01-21025	BOLT	2	Z111550468-
3	CFW01-11030	WASHER SPRING	2	Z111550468-
4	11Z7100222	PRE FILTER ASSY.	1	Z111550468-
	11Z7180235 KS .	CARTRIDGE,PRE-FILTER	1	Z111550468-
5	07040-11409	PLUG	1	Z111550915-
6	CPF06-01412	GASKET	1	Z111550915-
7	CFB01-21240	BOLT	2	Z111550468-
8	CFW01-11236	WASHER SPRING	2	Z111550468-
9	07271-01440	HOSE	1	Z111550468-
10	11Z7180202	HOSE	1	Z111550468-
11	CPF12-11014	BOLT JOINT	2	Z111550468-
12	CPF06-01412 K2	GASKET	4	Z111550468-
13	10Z7130399	BRACKET FUEL FILTER MTG	1	Z111550468-
14	CFB01-21030	BOLT	2	Z111550468-
15	CFW01-11030	WASHER SPRING	2	Z111550468-
	30Z7180377	FUEL FILTER ASSY.	1	Z111550468-
16	30Z7120152 .	HEAD,FUEL FILTER	1	Z111550468-
17	30Z7180369 KS .	CARTRIDGE	1	Z111550468-
18	30Z7110076 .	PLUG	1	Z111550468-
19	CPF06-00812 K2 .	GASKET	1	Z111550468-
20	CFB01-21030	BOLT	2	Z111550468-
21	CFW02-11020	WASHER	2	Z111550468-
22	11Z7160374	HOSE	1	Z111550468-
23	CPF12-11014	BOLT, JOINT	4	Z111550468-
24	CPF06-01412 K2	GASKET	4	Z111550468-
25	CPF12-11014	BOLT, JOINT	2	Z111550468-
26	CPF06-01412 K2	GASKET	4	Z111550468-
27	04434-51810	CLAMP	1	Z111550468-
28	07271-01460	HOSE	1	Z111550522-



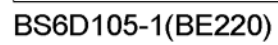
WATER SEPARATOR
FIG. No. 4120

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	30Z7181024	WATER SEPARATOR ASSY.	1	Z111550468-
	30Z7181032	. HEAD	1	Z111550468-
1	*30Z7100964	. BODY ASSY.	1	Z111550468-
2	30Z7181008	.. SCREEN	1	Z111550468-
3	30Z7181065	.. GASKET	1	Z111550468-
4	30Z7181057	.. HOLDER	1	Z111550468-
5	30Z7180977	.. O RING	1	Z111550468-
6	30Z7180993	.. FLOAT	1	Z111550468-
7	30Z7181049	.. BODY	1	Z111550468-
8	30Z7181016	.. O-RING	1	Z111550468-
9	30Z7181081	.. PLUG	1	Z111550468-
10	30Z7180952	. NUT,RING	1	Z111550468-
11	30Z7110076	. PLUG	1	Z111550468-
12	CPF06-00812 K2	. GASKET	1	Z111550468-



WATER SEPARATOR MOUNTING**FIG. No. 4130**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7100247	BRACKET, WATER SEPARATOR	1	Z111550468-
2	CFS01-31230	BOLT	2	Z111550468-
3	CFW01-11236	WASHER,SPRING	2	Z111550468-
4	30Z7181024	WATER SEPARATOR ASSY.	1	Z111550468-
5	CFB01-21030	BOLT	2	Z111550468-
6	CFW01-11030	WASHER,SPRING	2	Z111550468-
7	CFW02-11020	WASHER,PLAIN	2	Z111550468-
8	11Z7180251	HOSE,FUEL	1	Z111550468-
9	CPF12-11014	JOINT BOLT	2	Z111550468-
10	CPF06-01412 K2	GASKET	6	Z111550468-
11	31Z7130226	JOINT	1	Z111550468-

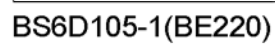


NOZZLE, FUEL INJECTION

FIG. No. 4210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180057	NOZZLE HOLDER ASSY.	6	Z111550001-0750
1	10Z7180173	. HOLDER ASSY,NOZZLE	1	Z111550001-0750
2	11Z7180081	.. PIN,NOZZLE	2	Z111550001-0750
3	11Z7180098	.. ROD, PUSH	1	Z111550001-0750
4	11Z7180105	.. SPRING	1	Z111550001-0750
5	11Z7180113	.. SCREW, ADJUST	1	Z111550001-0750
6	11Z7180121	.. NUT	1	Z111550001-0750
7	11Z7180138	.. GASKET	1	Z111550001-0750
8	11Z7180146	.. NUT, RETAINER	1	Z111550001-0750
9	10Z7110294	. JOINT BOLT	1	Z111550001-0750
10	CPF06-00812 K1	. GASKET	2	Z111550001-0750
11	11Z7180073	. NOZZLE	1	Z111550001-0750
12	10Z7180165 K1	PACKING,DUST	6	Z111550001-0750
13	ZFB46-20855	BOLT	12	Z111550001-0750
14	10Z7130106	TUBE, SPILL	1	Z111550001-0750
15	07Z70-40435	HOSE, SPILL	1	Z111550001-0520
15	07Z70-20475	HOSE, SPILL	1	Z111550522-0750
16	31Z7130097	JOINT	1	Z111550522-0750
17	07Z85-00085	CLIP	2	Z111550522-0750
18	11Z7110331	ADAPTOR	1	Z111550522-0750
19	CFW01-11236	WASHER, SPRING	1	Z111550522-0750
20	31Z7110016	BOLT, JOINT	1	Z111550522-0750
21	CPF06-01412 K1	GASKET	3	Z111550522-0750

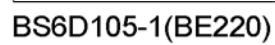
FIG. No. 4211



NOZZLE, FUEL INJECTION (MICO)
FIG. No.4211

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180365	NOZZLE HOLDER ASSY.	6	Z111550751-
	MICO,PART Nos.			
	(ITEM 1 TO 10)			
1		• NOZZLE HOLDER BODY	1	Z111550751-
2	2434614037	• SPRING	1	Z111550751-
3	2430101170	• ADJUSTING WASHER,1.00 MM THICK	AR	Z111550751-
	2430101172	• ADJUSTING WASHER,1.04 MM THICK	AR	Z111550751-
	2430101174	• ADJUSTING WASHER,1.08 MM THICK	AR	Z111550751-
	2430101176	• ADJUSTING WASHER,1.12 MM THICK	AR	Z111550751-
	2430101178	• ADJUSTING WASHER,1.16 MM THICK	AR	Z111550751-
	2430101180	• ADJUSTING WASHER,1.20 MM THICK	AR	Z111550751-
	2430101182	• ADJUSTING WASHER,1.24 MM THICK	AR	Z111550751-
	2430101184	• ADJUSTING WASHER,1.28 MM THICK	AR	Z111550751-
	2430101186	• ADJUSTING WASHER,1.32 MM THICK	AR	Z111550751-
	2430101188	• ADJUSTING WASHER,1.36 MM THICK	AR	Z111550751-
	2430101190	• ADJUSTING WASHER,1.40 MM THICK	AR	Z111550751-
	2430101192	• ADJUSTING WASHER,1.44 MM THICK	AR	Z111550751-
	2430101194	• ADJUSTING WASHER,1.48 MM THICK	AR	Z111550751-
	2430101196	• ADJUSTING WASHER,1.52 MM THICK	AR	Z111550751-
	2430101198	• ADJUSTING WASHER,1.56 MM THICK	AR	Z111550751-
	2430101200	• ADJUSTING WASHER,1.60 MM THICK	AR	Z111550751-
	2430101202	• ADJUSTING WASHER,1.64 MM THICK	AR	Z111550751-
	2430101204	• ADJUSTING WASHER,1.68 MM THICK	AR	Z111550751-
	2430101206	• ADJUSTING WASHER,1.72 MM THICK	AR	Z111550751-
	2430101208	• ADJUSTING WASHER,1.76 MM THICK	AR	Z111550751-
	2430101210	• ADJUSTING WASHER,1.80 MM THICK	AR	Z111550751-
	2430101212	• ADJUSTING WASHER,1.84 MM THICK	AR	Z111550751-
	2430101214	• ADJUSTING WASHER,1.88 MM THICK	AR	Z111550751-
	2430101216	• ADJUSTING WASHER,1.92 MM THICK	AR	Z111550751-
	2430101218	• ADJUSTING WASHER,1.96 MM THICK	AR	Z111550751-
4	9431033126	• PRESSURE BOLT	1	Z111550751-
5	2430136085	• DISTANCE PIECE	1	Z111550751-
6	F002C30107	• NOZZLE	1	Z111550751-
7	9431033346	• NOZZLE CAPNUT	1	Z111550751-

FIG. No. 4211

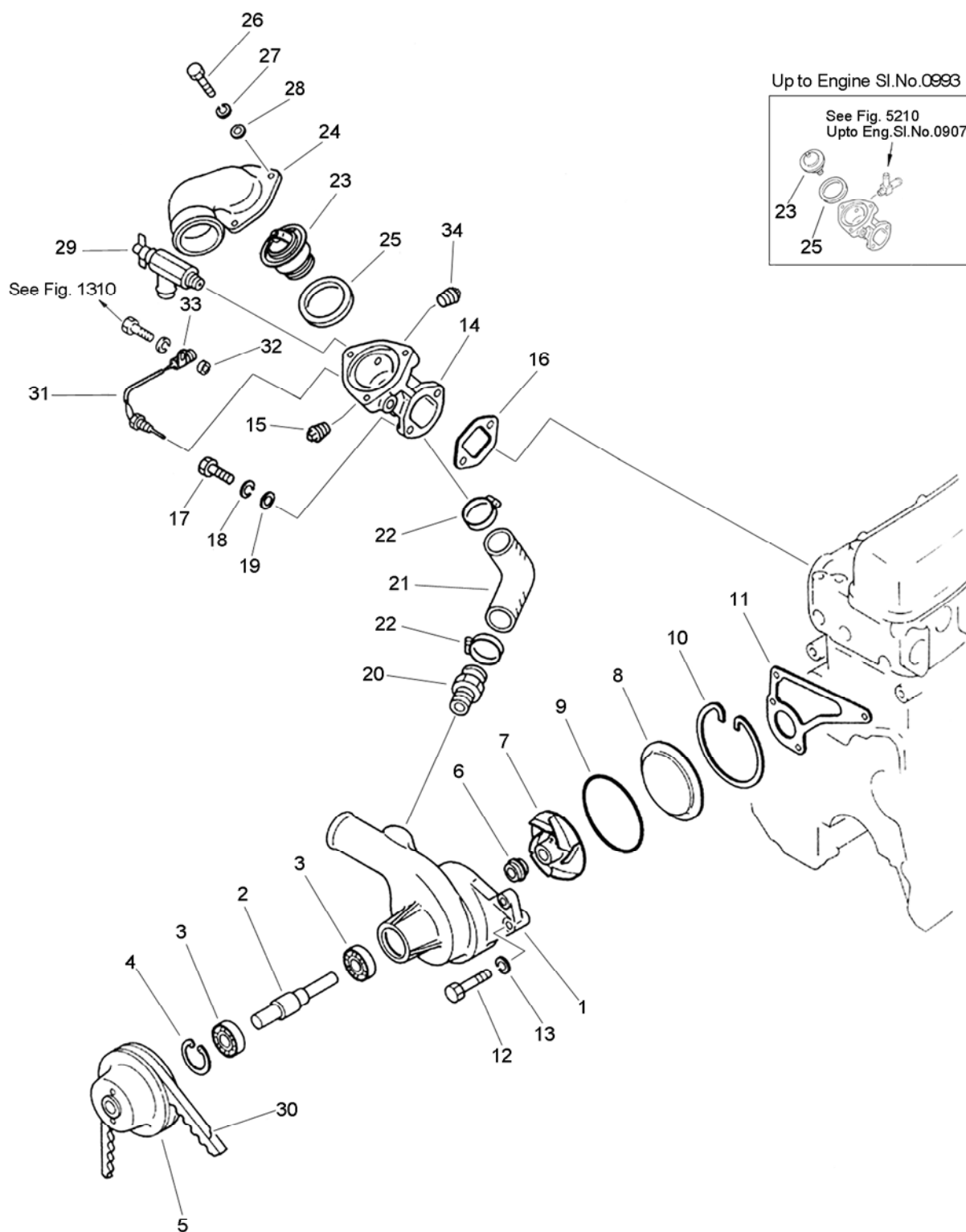


NOZZLE, FUEL INJECTION (MICO)
FIG. No. 4211

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
8	2916650034	. CIRCLIP	1	Z111550751-
9	9431033422	. BANJO BOLT	1	Z111550751-1170
9	11Z7181889	BANJO BOLT	6	Z111551171-
10	CPF06-00612 K1	WASHER,SEALING	12	Z111550751-
11	11Z7110907	. WASHER	1	Z111550751-
12	11Z7180519 K1	PACKING,DUST	6	Z111550751-
13	11Z7110501	FLANGE	6	Z111550751-
14	ZFB46-20850	BOLT	12	Z111550751-
15	11Z7180527	TUBE	1	Z111550751-1170
15	11Z7131895	TUBE	1	Z111551171-
16	07270-20475	HOSE	1	Z111550751-
17	31Z7130097	JOINT	1	Z111550751-
18	07285-00085	CLIP	2	Z111550751-
19	11Z7110331	ADAPTER	1	Z111550751-
20	CFW01-11236	WASHER,SPRING	1	Z111550751-
21	31Z7110016	BOLT,JOINT	1	Z111550751-
22	CPF06-01412 K1	GASKET	3	Z111550751-

WATER PUMP

FIG. No. 5010

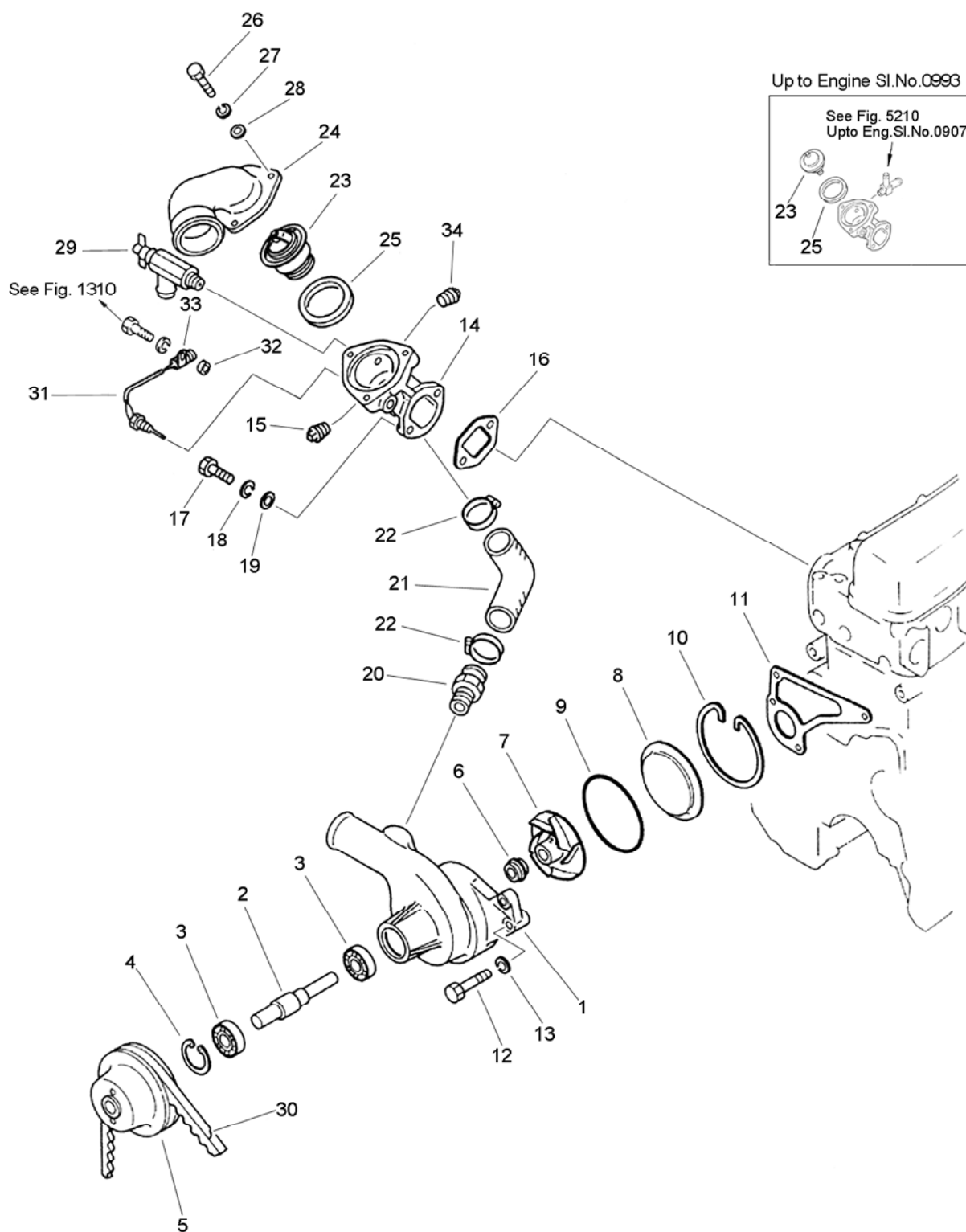


WATER PUMP
FIG. No. 5010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z6100026	WATER PUMP ASSY.	1	Z111550001-1027
	11Z6100253	WATER PUMP ASSY.	1	Z111551028-
1	*11Z6140146	. BODY	1	Z111550001-1027
1	*11Z6140268	. BODY	1	Z111551028-
2	11Z6110095	. SHAFT	1	Z111550001-
3	06037-06204 KW	. BEARING, BALL	2	Z111550001-
4	CFL02-14718 KW	. RING, SNAP	1	Z111550001-
5	11Z6140065	. PULLEY	1	Z111550001-
6	41Z6180822 K2,KW	SEAL	1	Z111550001-
7	11Z6140049	. IMPELLER	1	Z111550001-
8	11Z6110119	. COVER	1	Z111550001-
9	11Z6160072 K2,KW	O-RING	1	Z111550001-
10	11Z6110135 KW	. RING, SNAP	1	Z111550001-1027
10	11Z6180274 KW	. RING, SNAP	1	Z111551028-
11	10Z6170079 K2	GASKET	1	Z111550001-
12	CFB01-21050	BOLT	4	Z111550001-
13	CFW01-11030	WASHER,SPRING	4	Z111550001-
14	10Z6120028	THERMO HOUSING	1	Z111550001-
15	CPL01-20810	PLUG	1	Z111550001-
16	10Z6170062 K1	GASKET	1	Z111550001-
17	CFB01-21055	BOLT	2	Z111550001-
18	CFW01-11030	WASHER,SPRING	2	Z111550001-
19	CFW02-11020	WASHER,SPRING	2	Z111550001-
20	10Z6140165	NIPPLE	1	Z111550001-
21	10Z6180236	HOSE	1	Z111550001-
22	CCC01-05012	CLAMP	2	Z111550001-
23	10Z6180196	THERMOSTAT	1	Z111550001-0993
23	30Z6180456	THERMOSTAT	1	Z111550994-
24	11Z6140057	CONNECTOR	1	Z111550001-
25	10Z6160172 K1	GASKET	1	Z111550001-0993
25	10Z6180463 K1	SEAL, THERMOSTAT	1	Z111550994-
26	CFB01-20830	BOLT	1	Z111550001-
27	CFW01-10825	WASHER,SPRING	1	Z111550001-
28	CFW02-10816	WASHER	1	Z111550001-

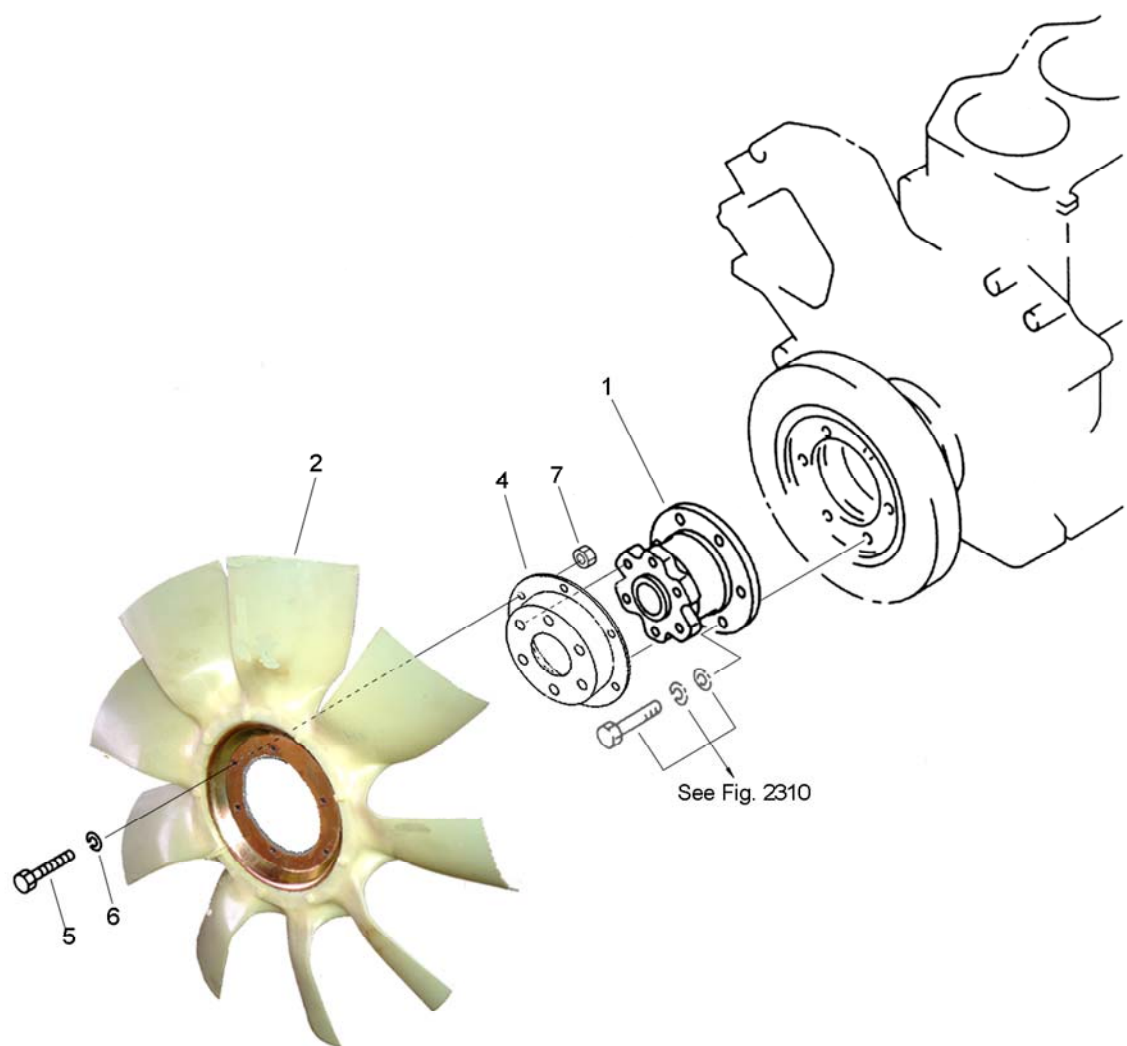
WATER PUMP

FIG. No. 5010

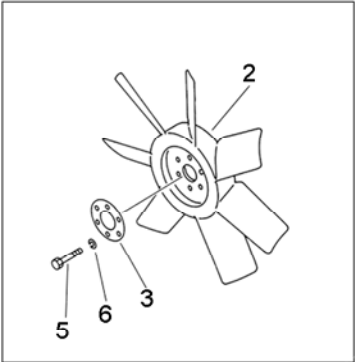


WATER PUMP**FIG. No. 5010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
29	09482-20000	VALVE	1	Z111550001-
30	11Z8270188	V-BELT	1	Z111550001-
31	31Z6180153	SENSOR,WATER TEMP.	1	Z111550001-
32	11Z6110127	SPACER	1	Z111550001-
33	52Z7190327	CLIP	1	Z111550001-
34	CPL01-20810	PLUG	1	Z111550908-

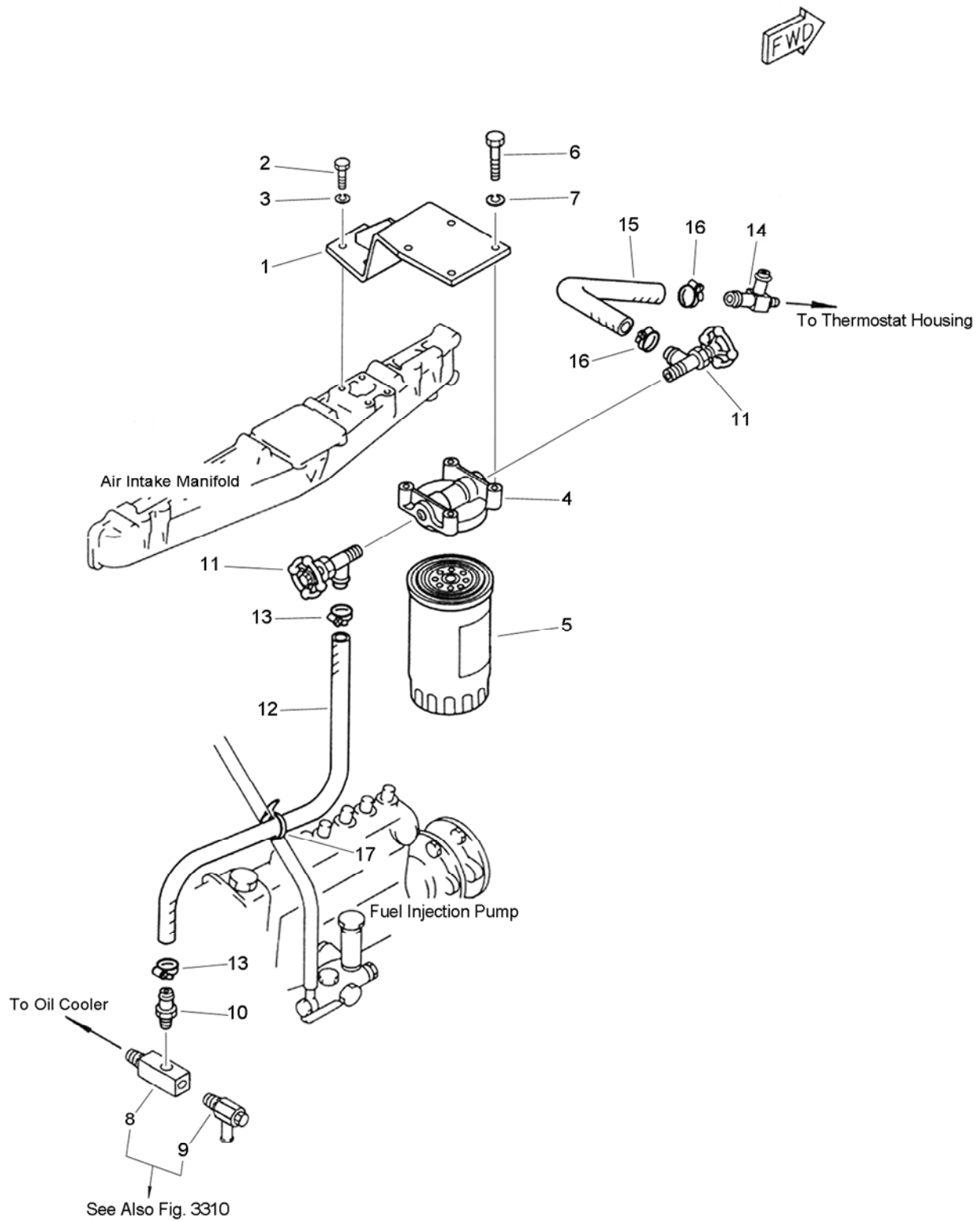


Upto Engine Sl.No.



FAN, COOLING**FIG. No. 5110**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z6100018	FAN COUPLING	1	Z111550001-
2	11Z6100172	FAN (STEEL)	1	Z111550001-
2	11Z6180088	FAN (PLASTIC)	1	Z111550001-1179
2	11Z6180314	FAN	1	Z111551180-
3	11Z6110102	PLATE (FOR PLASTIC FAN)	1	Z111550001-1179
4	11Z6110321	ADAPTER	1	Z111551180-
5	CFB01-21035	BOLT (FOR STEEL FAN)	6	Z111550001-
5	CFB01-21030	BOLT (FOR PLASTIC FAN)	6	Z111550001-1179
5	CFS01-30820	SCREW	6	Z111551180-
6	CFW01-11030	WASHER, SPRING	6	Z111550001-1179
6	CFW01-10816	WASHER, SPRING	6	Z111551180-
7	CFN01-20868	NUT	6	Z111551180-



CORROSION RESISTOR

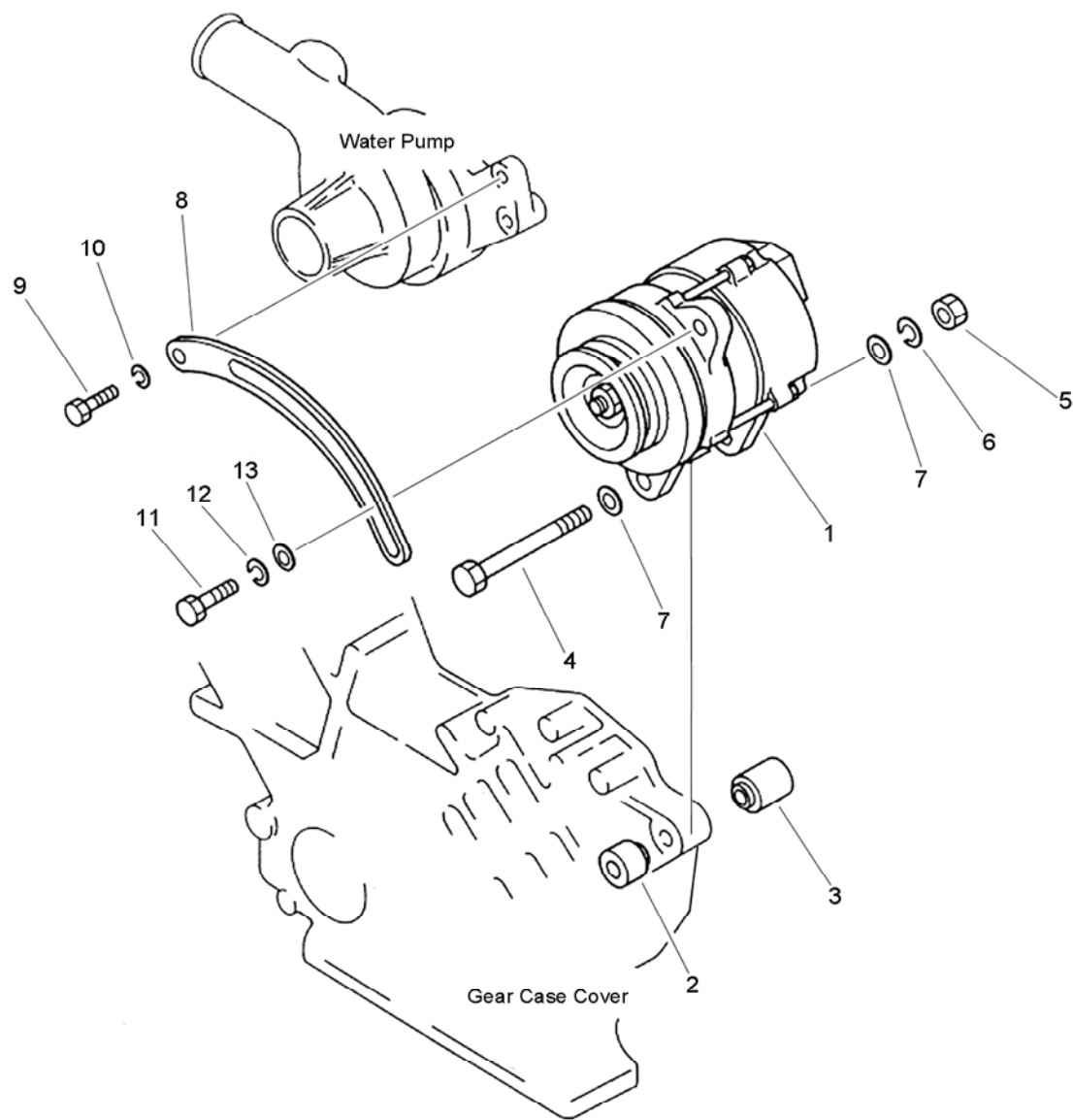
FIG. No. 5210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z6130097	BRACKET	1	Z111550001-0908
2	CFB01-21025	BOLT	4	Z111550001-0908
3	CFW01-11030	WASHER,SPRING	4	Z111550001-0908
	30Z6180504	CORROSION RESISTER ASSY.	1	Z111550001-0908
4	30Z6120191	• HEAD	1	Z111550001-0908
5	30Z6180448	• CARTRIDGE	1	Z111550001-0908
6	CFB25-21032	BOLT	4	Z111550001-0908
7	CFW01-10929	WASHER,SPRING	4	Z111550001-0908
8	10Z6110276	NIPPLE	1	Z111550001-0908
9	30Z5180527	VALVE,DRAIN	1	Z111550001-0908
10	10Z6120052	CONNECTOR	1	Z111550001-0908
11	30Z6180512	VALVE	2	Z111550001-0908
12	07260-20950	HOSE	1	Z111550001-0908
13	CCC01-02006	CLAMP	2	Z111550001-0908
14	11Z6130037	ELBOW	1	Z111550001-0908
15	07260-20928	HOSE	1	Z111550001-0908
16	CCC01-02006	CLAMP	2	Z111550001-0908
17	08034-00519 K2	BAND	1	Z111550001-0908



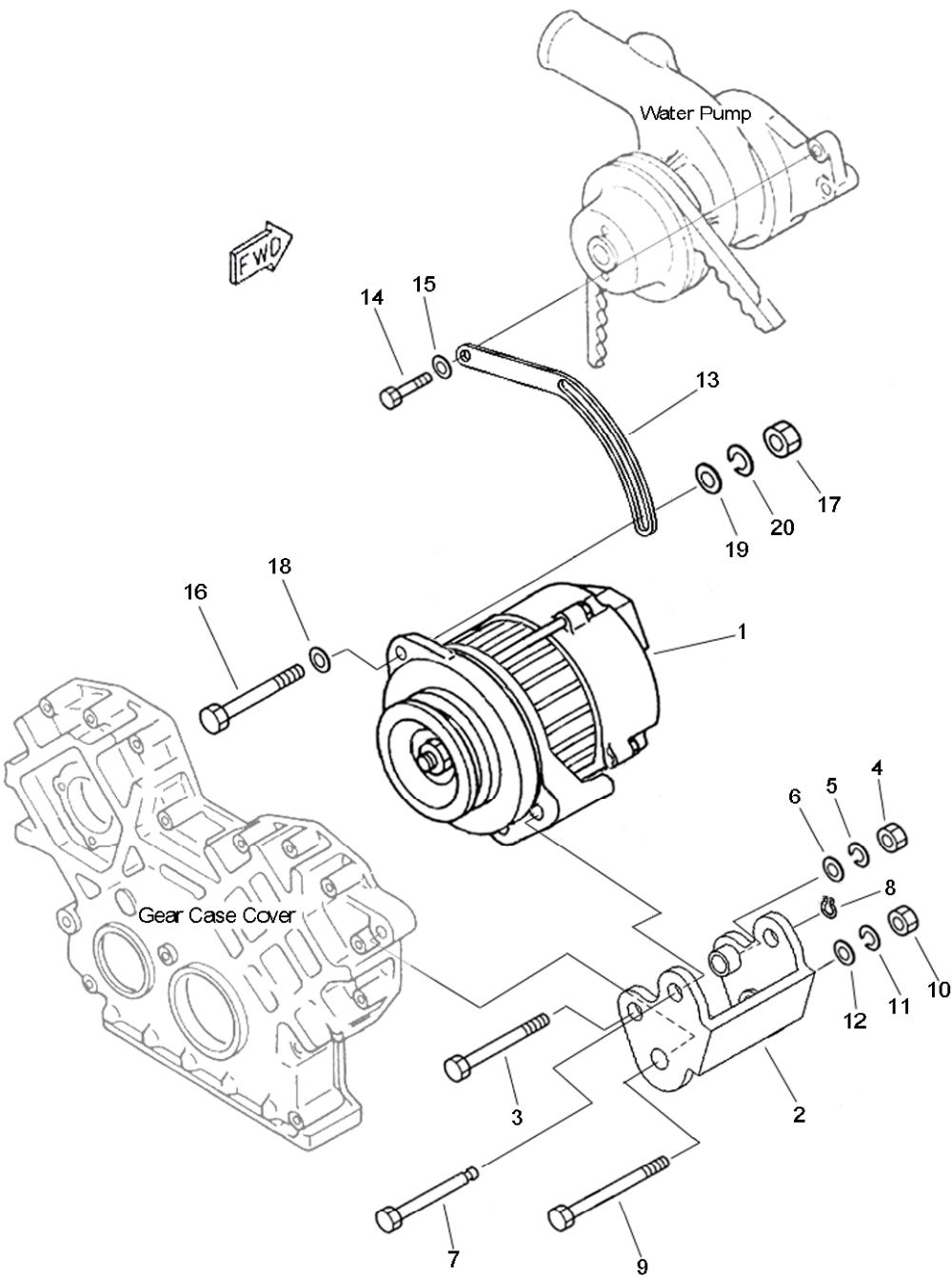
ANT CORROSION FLUID**FIG. No. 5211**

ITEM	PART NUMBER		NAME OF PART	QTY	ENGINE SL.No.
1	00Z0090505	KS	BEMLACF-1 LITRE	3	Z111550867-1199
1	00Z0090676	KS	BEMLACF-ALP - 1 LITRE	3	Z111551200-



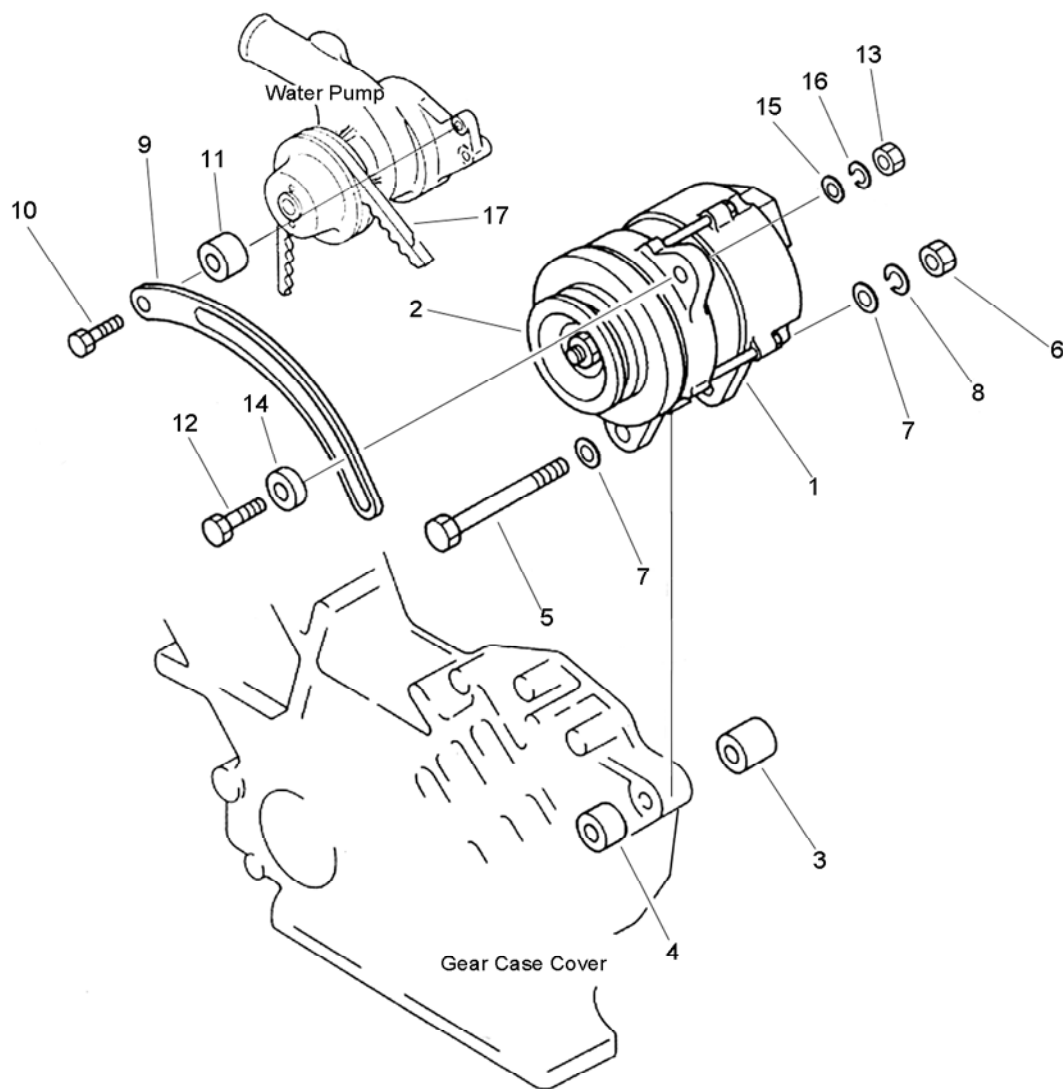
ALTERNATOR & MOUNTING**FIG. No. 6010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8280012	ALTERNATOR	1	Z111550001-0515
2	10Z8210071	SPACER	1	Z111550001-0515
3	10Z8210088	SPACER	1	Z111550001-0515
4	30Z8210023	BOLT	1	Z111550001-0515
5	CFN04-11411	NUT	1	Z111550001-0515
6	CFW01-11442	WASHER SPRING	1	Z111550001-0515
7	CFW03-11425	WASHER	2	Z111550001-0515
8	10Z8210111	PLATE ADJUST	1	Z111550001-0515
9	CFB01-21025	BOLT	1	Z111550001-0515
10	CFW01-11030	WASHER,SPRING	1	Z111550001-0515
11	CFB17-51230	BOLT	1	Z111550001-0515
12	CFW01-11236	WASHER,SPRING	1	Z111550001-0515
13	CFW05-12032	WASHER	1	Z111550001-0515



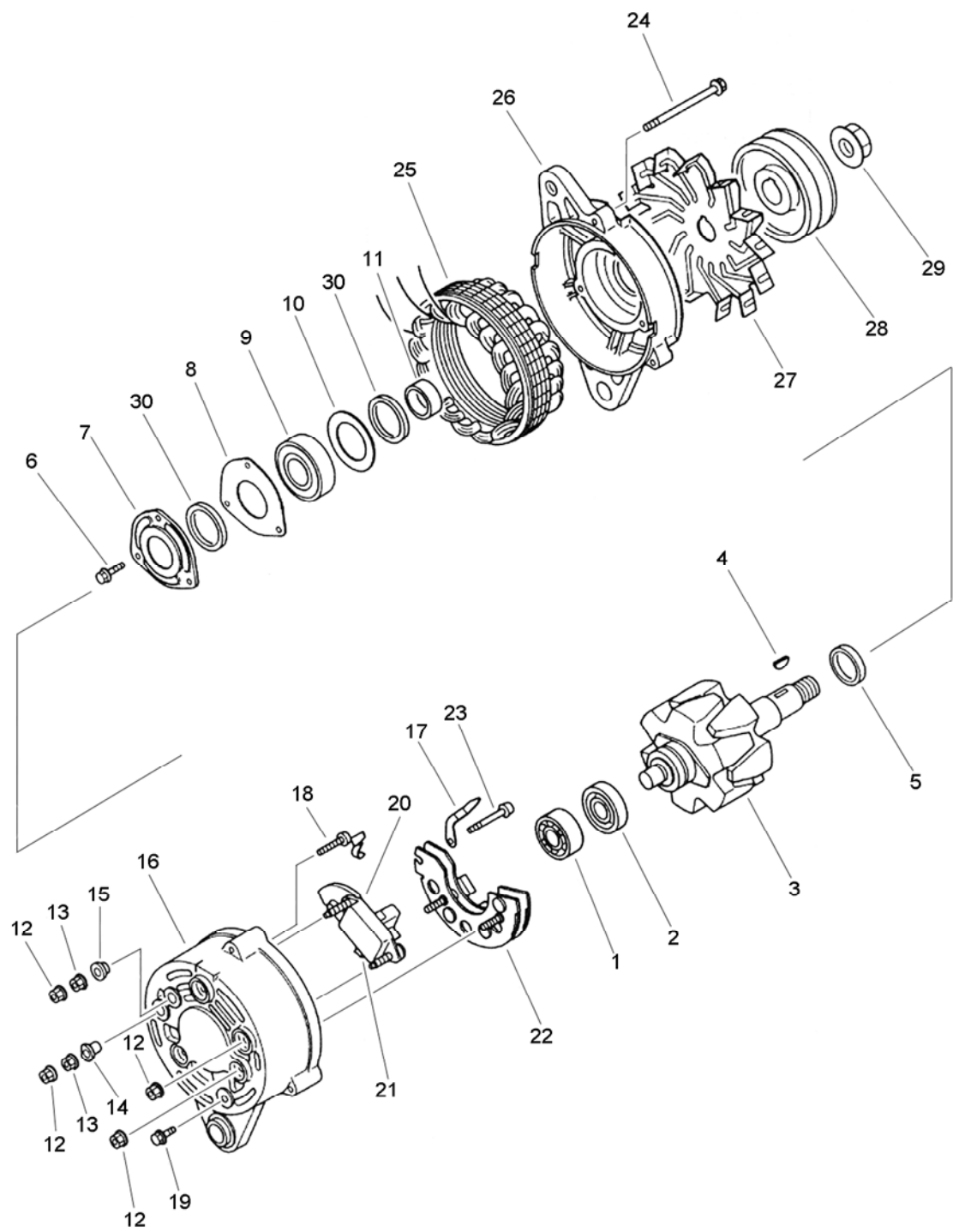
ALTERNATOR & MOUNTING (LUCAS TVS-30A)
FIG. No. 6011

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8200138	ALTERNATOR,ASSY	1	Z111550516-
	51Z8280736	• ALTERNATOR (LUCAS)	1	Z111550516-
	11Z8240144	• PULLEY	1	Z111550516-
2	11Z8200154	BRACKET	1	Z111550516-
3	CFB02-21230	BOLT	1	Z111550516-
4	CFN01-21211	NUT	1	Z111550516-
5	CFW01-11236	WASHER SPRING	1	Z111550516-
6	CFW02-11225	WASHER	1	Z111550516-
7	11Z8210166	PIN	1	Z111550516-
8	CFL01-11210	CIRCLIP	1	Z111550516-
9	CFB08-21430	BOLT	1	Z111550516-
10	CFN04-11411	NUT	1	Z111550516-
11	CFW01-11442	WASHER, SPRING	1	Z111550516-
12	CFW02-11425	WASHER	1	Z111550516-
13	11Z8210174	PLATEADJUST	1	Z111550516-
14	CFB01-21040	BOLT	1	Z111550516-
15	CFW01-11030	WASHER,SPRING	1	Z111550516-
16	CFB01-21055	BOLT	1	Z111550516-
17	CFN01-21084	NUT	1	Z111550516-
18	CFW02-11020	WASHER	1	Z111550516-
19	51Z8210638	WASHER	1	Z111550516-
20	CFW01-11030	WASHER,SPRING	1	Z111550516-



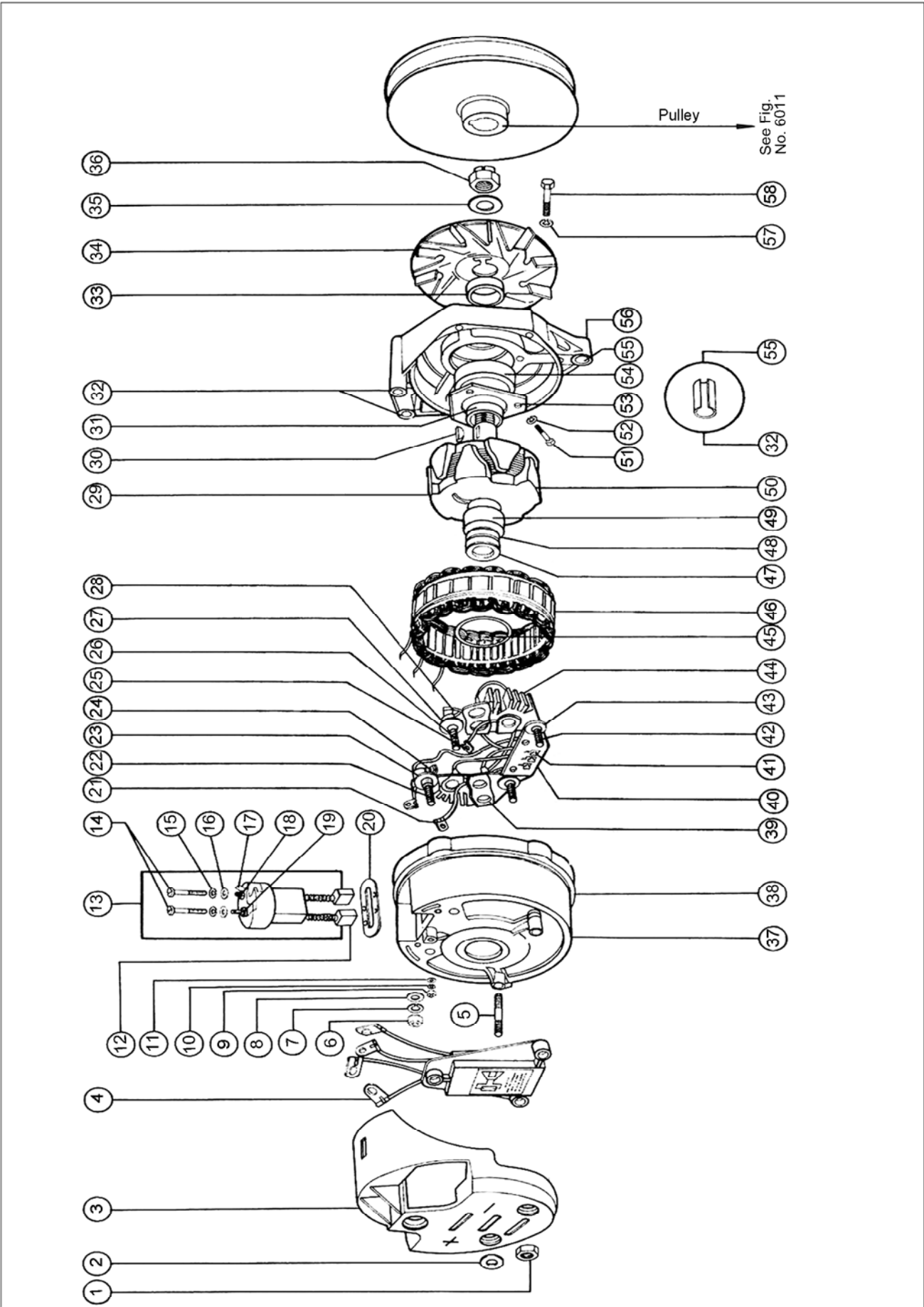
ALTERNATOR & MOUTG. (LUCAS TVS-45A) [OPTIONAL]**FIG. No. 6012**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8200665	ALTERNATOR ASSY.	1	Z111550751-
1	41Z8200687	ALTERNATOR (L-TVS 45A)	1	Z111550751-
2	11Z8240647	PULLEY	1	Z111550751-
3	11Z8210652	SPACER	1	Z111550751-
4	11Z8210303	SPACER	1	Z111550751-
5	CFB02-21240	BOLT	1	Z111550751-
6	CFN01-21211	NUT	1	Z111550751-
7	CFW05-10032	WASHER	2	Z111550751-
8	CFW01-11236	WASHER,SPRING	1	Z111550751-
9	41Z8210706	PLATE,ADJUST	1	Z111550751-
10	CFB01-21045	BOLT	1	Z111550751-
11	31Z8211163	SPACER	1	Z111550751-
12	CFB01-21055	BOLT	1	Z111550751-
13	CFN01-21084	NUT	1	Z111550751-
14	51Z8210638	SPACER	1	Z111550751-
15	CFW02-11020	WASHER	2	Z111550751-
16	CFW01-11030	WASHER,SPRING	1	Z111550751-
17	04120-21748	V BELT	1	Z111550751-



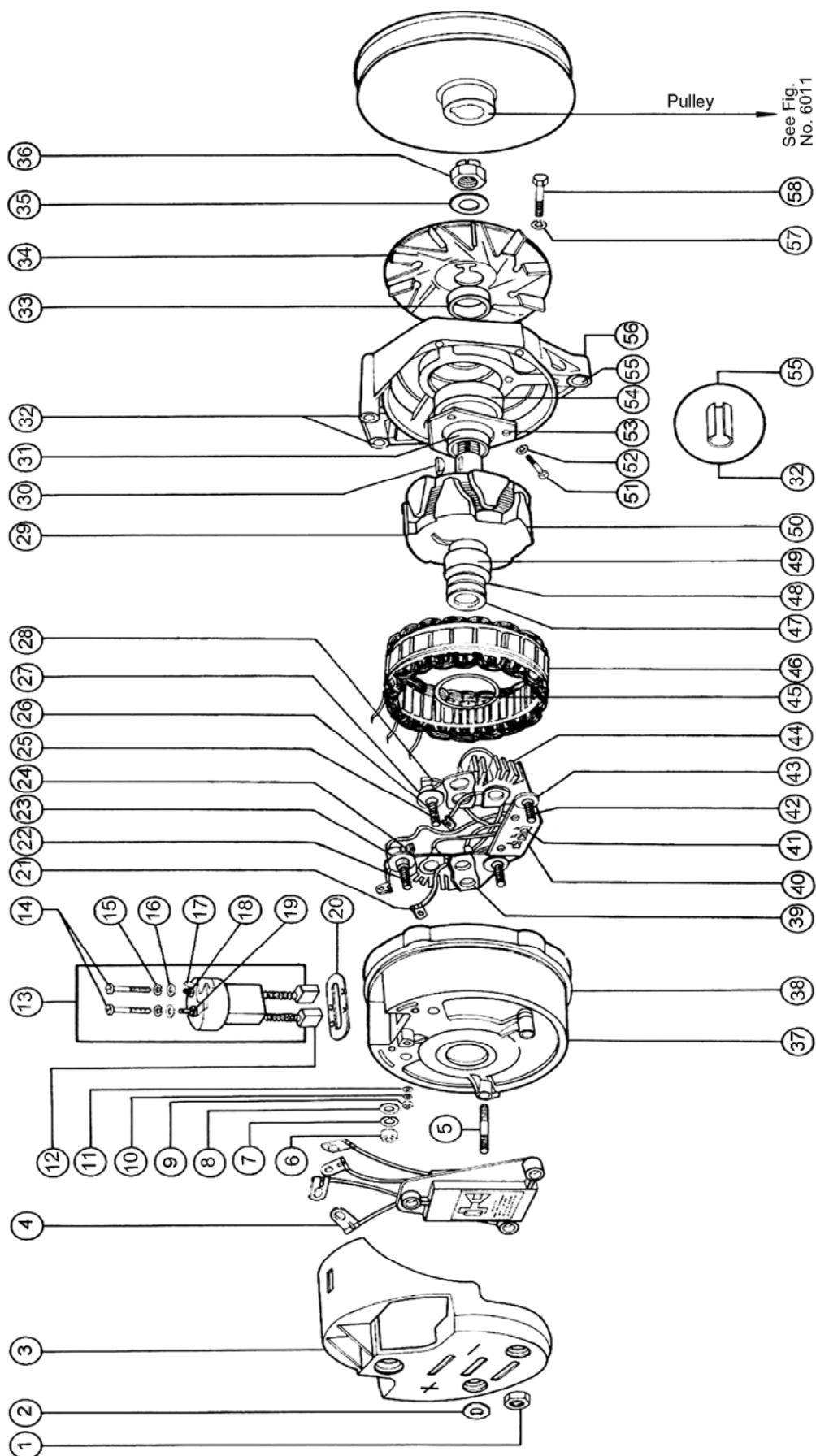
ALTERNATOR**FIG. No. 6110**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8280012	. ALTERNATOR	1	Z111550001-0515
1	31Z8280532	. BEARING, BALL	1	Z111550001-0515
2	31Z8280735	. RETAINER	1	Z111550001-0515
3	31Z8280257	. ROTOR ASSY.	1	Z111550001-0515
4	31Z8280484	. KEY	1	Z111550001-0515
5	31Z8280402	. COLLAR	1	Z111550001-0515
6	31Z8211099	. BOLT	2	Z111550001-0515
7	31Z8280419	. RETAINER	1	Z111550001-0515
8	31Z8280751	. RETAINER	1	Z111550001-0515
9	31Z8280492	. BEARING BALL	1	Z111550001-0515
10	31Z8280743	. RETAINER	1	Z111550001-0515
11	31Z8280727	. COLLAR	1	Z111550001-0515
12	31Z8280387	. NUT	6	Z111550001-0515
13	31Z8280395	. NUT	2	Z111550001-0515
14	31Z8280768	. BUSHING, INSULATE	1	Z111550001-0515
15	31Z8280873	. BUSHING, INSULATE	1	Z111550001-0515
16	31Z8280298	. REAR BRACKET ASSLY.	1	Z111550001-0515
17	31Z8280321	. BAR, CONNECT	1	Z111550001-0515
18	31Z8280313	. TERMINAL ASSLY.	1	Z111550001-0515
19	31Z8211106	. BOLT	1	Z111550001-0515
20	31Z8201119	. REGULATOR ASSLY.	1	Z111550001-0515
21	31Z8280719	.. BRUSH, ASSLY.	2	Z111550001-0515
22	31Z8201127	. RECTIFIER ASSY.	1	Z111550001-0515
23	31Z8280362	. BOLT	2	Z111550001-0515
24	31Z8211139	. BOLT	3	Z111550001-0515
25	31Z8280265	. STATOR ASSLY.	1	Z111550001-0515
26	31Z8280273	. BRACKET, FRONT	1	Z111550001-0515
27	31Z8280702	. FAN	1	Z111550001-0515
28	31Z8241044	. PULLEY	1	Z111550001-0515
29	51Z8280282	. NUT	1	Z111550001-0515
30	31Z8280776	. PACKING	2	Z111550001-0515



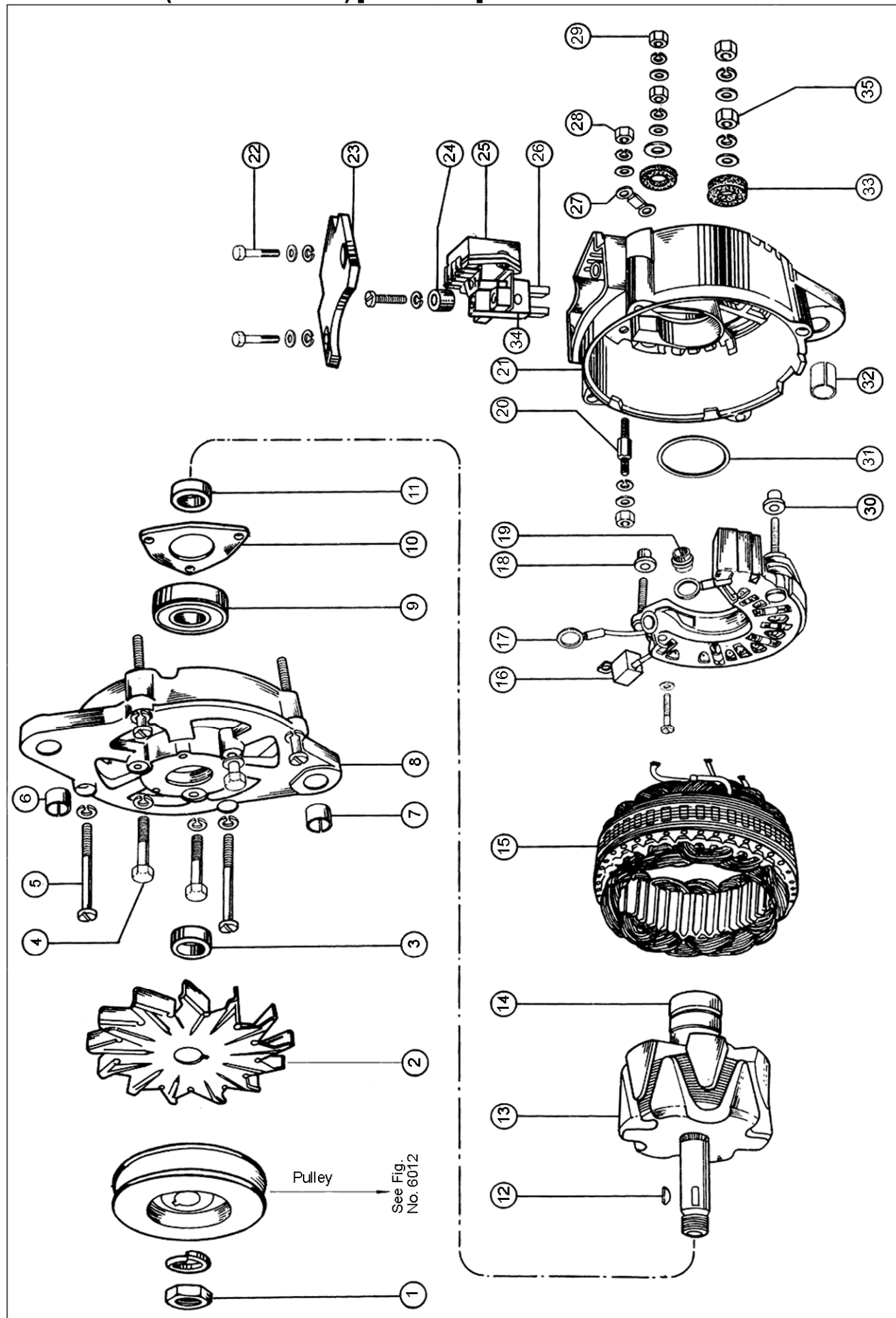
ALTERNATOR (LUCAS TVS 30A)**FIG. No. 6111**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	51Z8280736 (L-TVS P/No.)	ALTERNATOR (L-TVS 30A)	1	Z111550516-
1	261 302 87	. NUT FIXING STUD	3	Z111550516-
2	261 413 16	. SPRING WASHER	3	Z111550516-
3	9030-1765	. MOULDED COVER	1	Z111550516-
4	269 380 63A	. REGULATOR	1	Z111550516-
5	9030-1358	. FIXING STUD	3	Z111550516-
6	261 304 37	. NUT, POSITIVE TERMINAL	2	Z111550516-
7	261 403 94	. SPRING WASHER, POSITIVE TERM.	2	Z111550516-
8	261 402 47	. PLAIN WASHER, POS. TERM.	1	Z111550516-
9	261 301 07	. NUT, NEG. TERMINAL	2	Z111550516-
10	261 403 84	. SPRING WASHER	2	Z111550516-
11	261 401 37	. PLAIN WASHER, NEG. TER.	1	Z111550516-
12	9030-340	. BRUSH ASSEMBLY	2	Z111550516-
13	9030-315 A	. BRUSH BOX ASSEMBLY	1	Z111550516-
14	261 002 16	. SCREW	1	Z111550516-
15	261 403 47	. SPRING WASHER	1	Z111550516-
16	261 400 97	. PLAIN WASHER	1	Z111550516-
17	9030-713 A	. INSULATOR	1	Z111550516-
18	261 300 77	. NUT, BRUSH TERMINAL	2	Z111550516-
19	261 440 96	. PLAIN WASHER	2	Z111550516-
20	9030-2040	. GASKET	1	Z111550516-
21	9030-1524	. LEAD ASSY. POSITIVE	1	Z111550516-
22	261 013 27	. TERMINAL, POSITIVE	1	Z111550516-
23	9030-1032 A	. INSULATOR WASHER	1	Z111550516-
24	9030-1518 A	. LOCATOR, POSITIVE TERM.	1	Z111550516-
25	9030-1510	. LEAD ASSY. NEGATIVE	1	Z111550516-
26	261 013 37	. TERMINAL, NEGATIVE	1	Z111550516-
27	9030-1032	. INSULATOR WASHER	1	Z111550516-
28	9030-1518	. LOCATOR, NEGATIVE	1	Z111550516-
29	9030-791	. ROTOR COIL	1	Z111550516-
30	NK 1-8	. KEY	1	Z111550516-
31	9030-2079 A	. SPACER	1	Z111550516-
32	9030-1756	. INSERT DE. (TOP)	2	Z111550516-



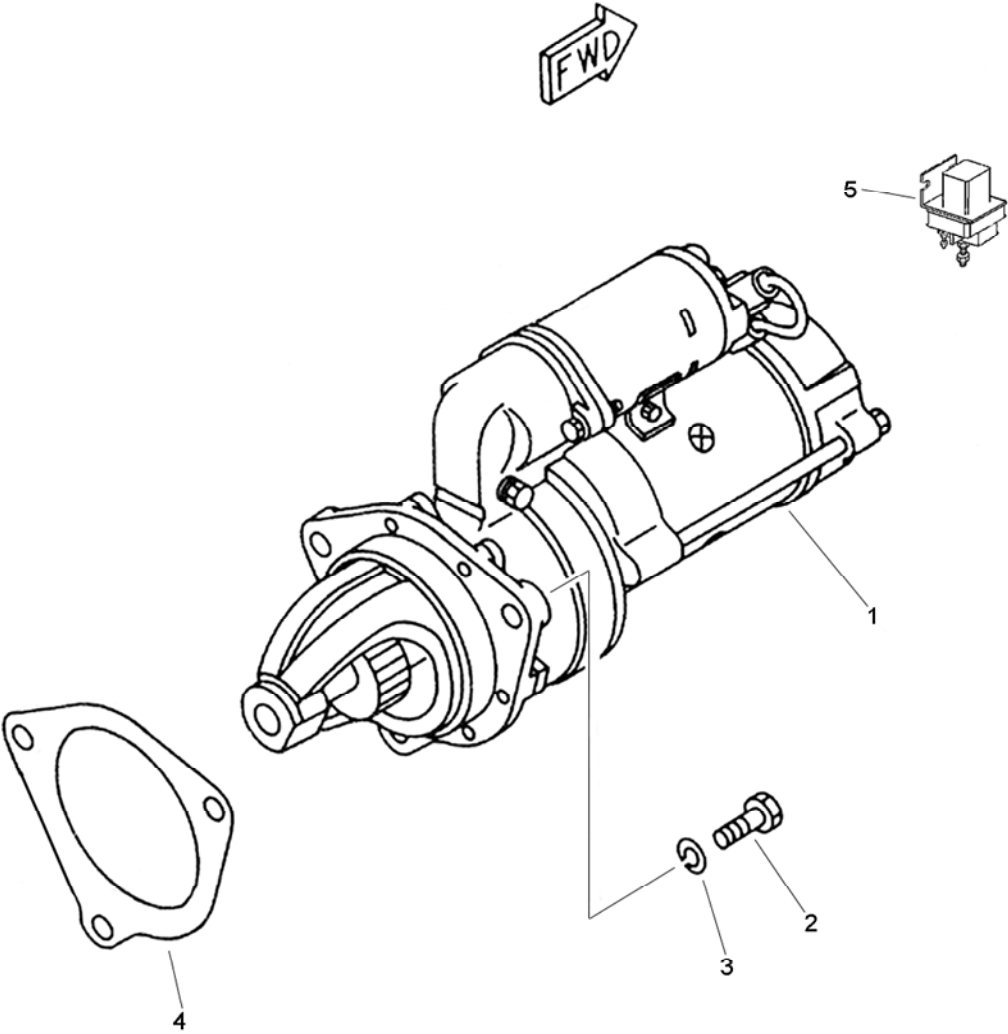
ALTERNATOR (LUCAS TVS 30A)**FIG. No. 6111**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	9030-2136	. FAN SPACER	1	Z111550516-
34	9030-683	. FAN	1	Z111550516-
35	NW 1 39' Z1	. WASHER	1	Z111550516-
36	9030-330	. NUT, PULLEY	1	Z111550516-
37	9030-669	. INSULATOR	1	Z111550516-
38	9030-784 A	. SRE SHIELD	1	Z111550516-
39	9030-1938	. HEAT SINK ASSY. POSITIVE	1	Z111550516-
40	9030-1603 B	. HEAT SINK ASSY. AUX.	1	Z111550516-
41	9030-1799	. AUX. DIODE	1	Z111550516-
42	261 013 16	. SCREW	2	Z111550516-
43	9030-1398	. INSULATOR BUSH	2	Z111550516-
44	9030-1939	. HEAT SINK ASSY. NEGATIVE	1	Z111550516-
45	9030-1285 H	. O-RING	1	Z111550516-
46	9030-1391	. STARTER ASSEMBLY	1	Z111550516-
47	9030-1513	. SLIP RING ASSY.	1	Z111550516-
48	5959'25	. CIRCLIP	1	Z111550516-
49	9030-1690	. BEARING, SRE	1	Z111550516-
50	9030-610	. ROTOR ASSEMBLY	1	Z111550516-
51	261 012 96	. SCREW	3	Z111550516-
52	261 403 44	. SPRING WASHER	3	Z111550516-
53	9030-873	. CLAMP PLATE	1	Z111550516-
54	9030-1689	. BEARING, D.E	1	Z111550516-
55	9030-321	. INSERT	1	Z111550516-
56	9030-1688 D	. D.E. SHIELD	1	Z111550516-
57	261-403-84	. SPRING WASHER	3	Z111550516-
58	9030-382	. FIXING SCREW	3	Z111550516-



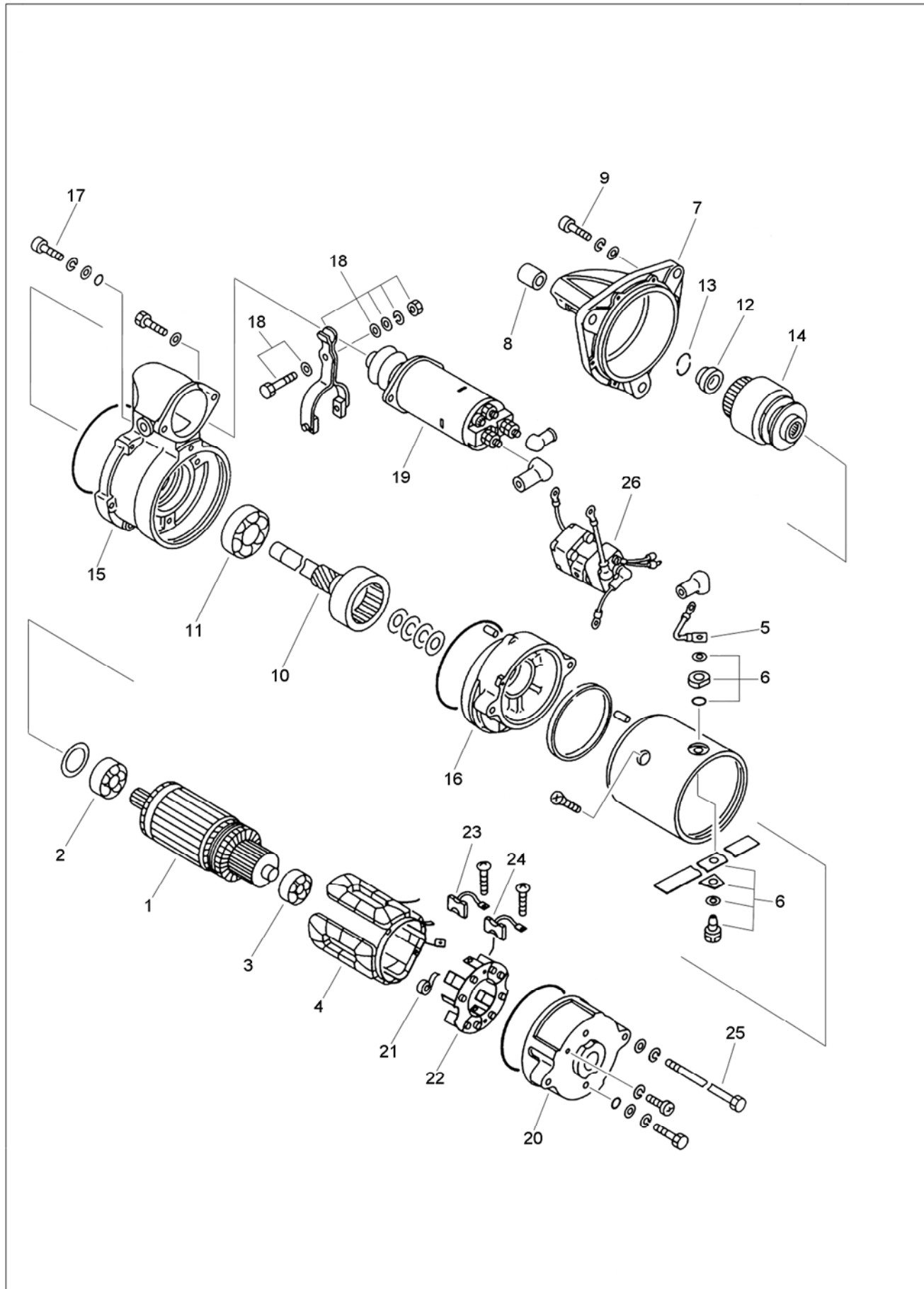
ALTERNATOR (LUCAS TVS 45A) [OPTIONAL]
FIG. No. 6112

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	41Z8200687 (L-TVS P/Nos.)	ALTERNATOR (L-TVS 45A)	1	Z111550751-
1	26130866	▪ NUT, PULLEY	1	Z111550751-
2	26212025	▪ FAN	1	Z111550751-
3	26212363	▪ SPACING COLLAR	1	Z111550751-
4	26102646	▪ SCREW, (BEARING FIXING)	3	Z111550751-
5	26102386	▪ FIXING BOLT	4	Z111550751-
6	9030-321	▪ DE INSERT (TOP)	1	Z111550751-
7	26212327	▪ DE INSERT (BOTTOM)	1	Z111550751-
8	26212359	▪ DE BRACKET ASSY.	1	Z111550751-
9	26212357	▪ DE BALL BEARING	1	Z111550751-
10	26212360	▪ BEARING RETAINER	1	Z111550751-
11	26212364	▪ BEARING COLLAR	1	Z111550751-
12	54150863	▪ WOODRUF KEY	1	Z111550751-
13	26213619	▪ ROTOR ASSY.	1	Z111550751-
14	26211364	▪ BALL BEARING - SRE	1	Z111550751-
15	26212386	▪ STATOR ASSY.	1	Z111550751-
16	26212141	▪ RFI CAPACITOR ASSY.	1	Z111550751-
17	26948035A	▪ RECTIFIER ASSY.	1	Z111550751-
18	26480275	▪ INSUL BUSH	1	Z111550751-
19	26480158	▪ INSUL BUSH	1	Z111550751-
20	26212267	▪ STUD	1	Z111550751-
21	26212204	▪ SRE BNRACKET ASSY.	1	Z111550751-
22	26102366	▪ SCREW (COVER FIXING)	2	Z111550751-
23	26212188	▪ COVER MOULDING	1	Z111550751-
24	26212265	▪ INSUL BUSH	1	Z111550751-
25	26938101A	▪ REGULATOR & BUSH BOX ASSY.	1	Z111550751-
26	26212112	▪ BRUSH SET	2	Z111550751-
27	26212212	▪ FUSE LINK	1	Z111550751-
28	26130126	▪ NUT	1	Z111550751-
29	26130126	▪ NUT	1	Z111550751-
30	26212119	▪ INSUL BUSH	1	Z111550751-
31	26211409	▪ O-RING	1	Z111550751-
32	26212328	▪ INSERT - SRE	1	Z111550751-
33	26212377	▪ CUP WASHER	1	Z111550751-
34	26211398	▪ BRUSH, SPRING	2	Z111550751-
35	26130236	▪ NUT	1	Z111550751-



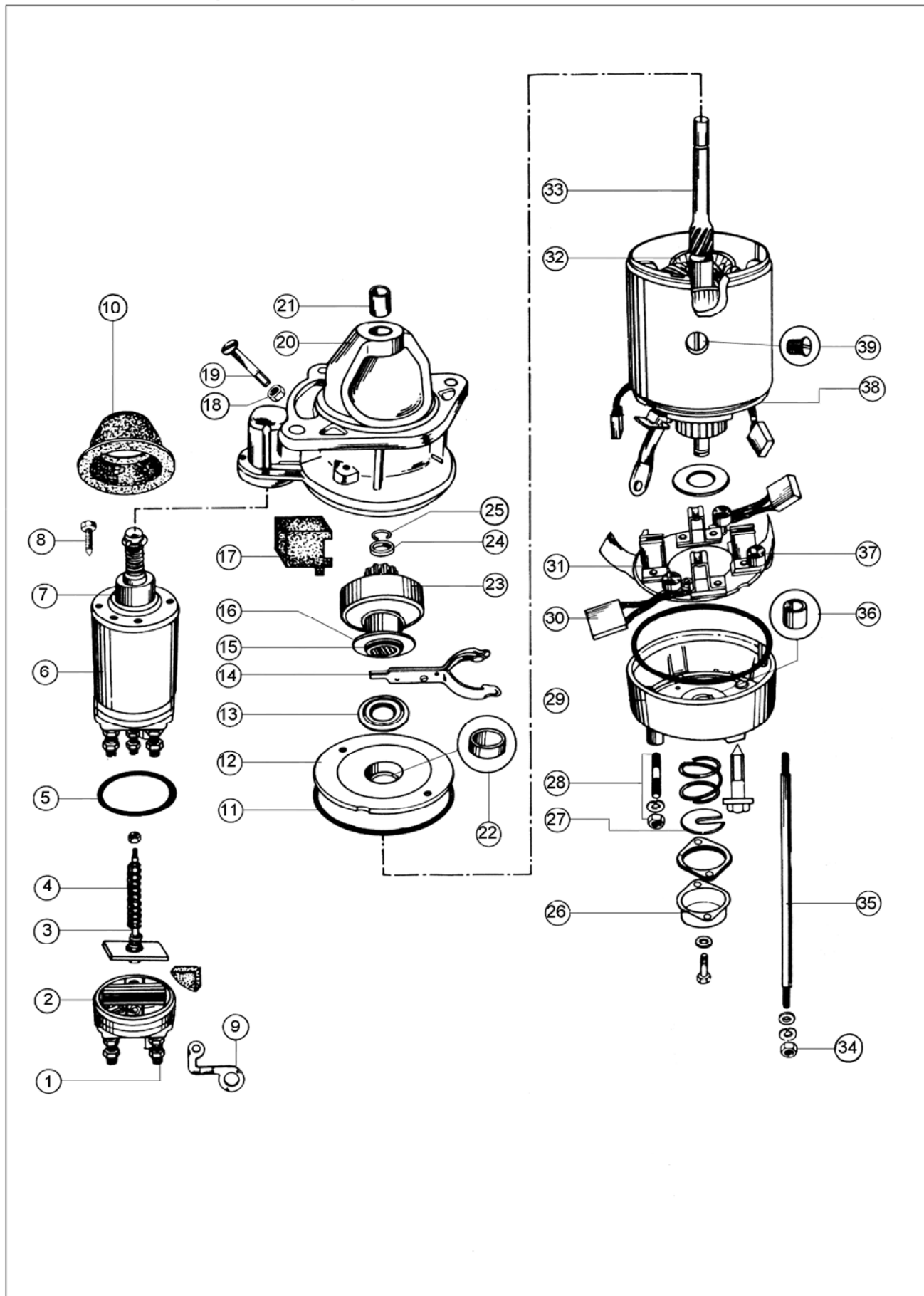
STARTER MOTOR & MOUNTING**FIG. No. 6210**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8280037	STARTER	1	Z111550001-0750
1	10Z8200213	STARTER	1	Z111550751-
2	CFS01-31235	BOLT	3	Z111550001-0750
2	CFB01-21030	BOLT	3	Z111550751-
3	CFW01-11236	WASHER,SPRING	3	Z111550001-0750
3	CFW01-11030	WASHER,SPRING	3	Z111550751-
4	10Z8271081 K2	GASKET	1	Z111550751-
5	30Z8281061	SOLENOID 4ST	1	Z111550751-



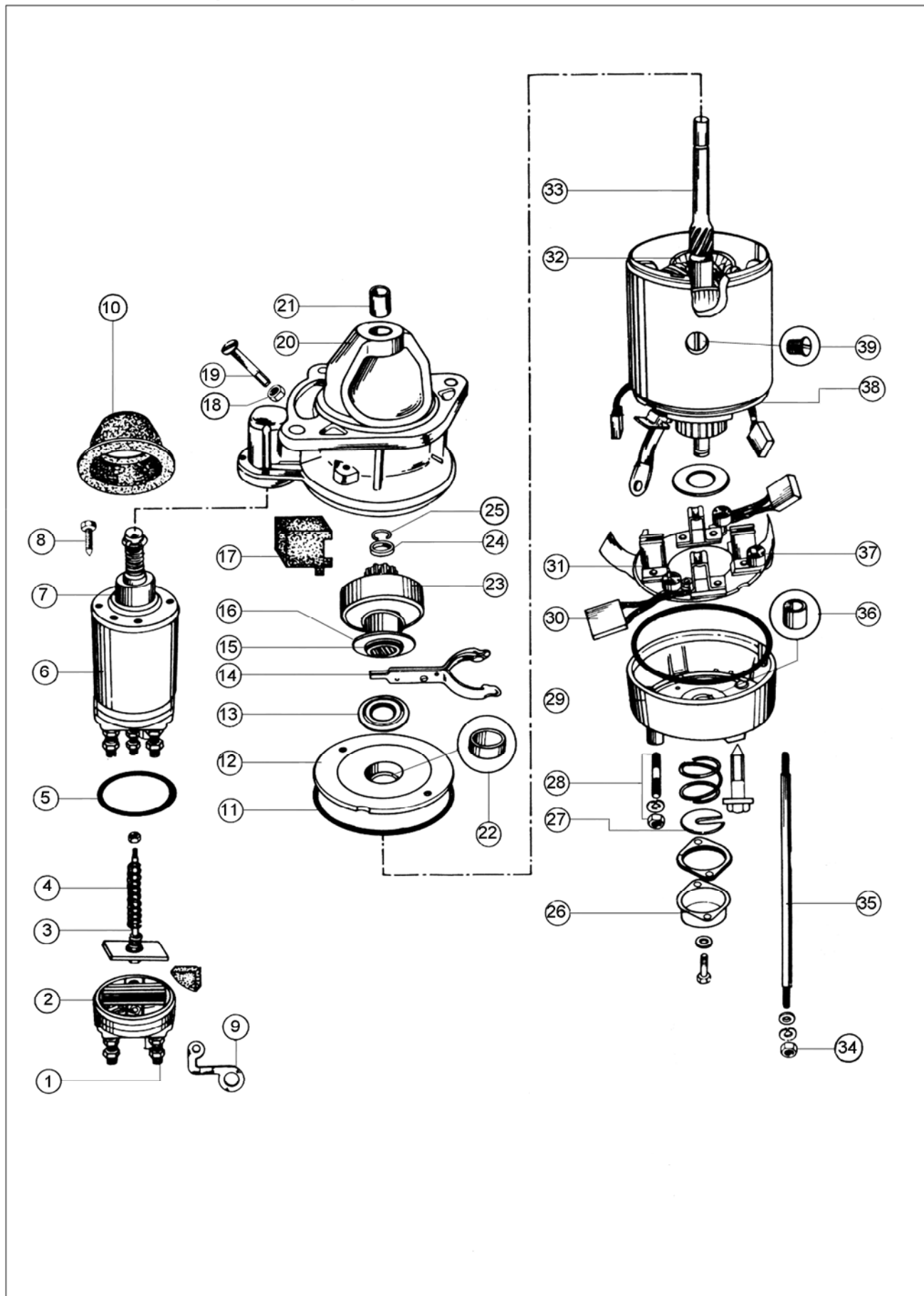
STARTER MOTOR
FIG. No. 6215

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8280037	STARTING MOTOR ASSY.	1	Z111550001-0750
1	11Z8200332	. ARMATURE ASSEMBLY	1	Z111550001-0750
2	11Z8280604	.. BEARING, BALL	1	Z111550001-0750
3	30Z8280487	.. BEARING, BALL	1	Z111550001-0750
4	11Z8200349	. FIELD COIL ASSY	1	Z111550001-0750
5	11Z8200357	. LEAD WIRE ASSY	1	Z111550001-0750
6	11Z8200584	. TERMINAL ASSY	1	Z111550001-0750
7	11Z8200365	. FRONT BRACKET ASSY	1	Z111550001-0750
8	11Z8200592	.. METAL	1	Z111550001-0750
9	11Z8210377	. BOLT	6	Z111550001-0750
10	11Z8200381	. SHAFT ASSY	1	Z111550001-0750
11	11Z8280394	.. BEARING, BALL	1	Z111550001-0750
12	11Z8280401	. STOPPER, PINION	1	Z111550001-0750
13	11Z8280418	. RING, CLIP	2	Z111550001-0750
14	11Z8200421	. CLUTCH ASSY, OVER RUNNING	1	Z111550001-0750
15	11Z8230432	. CENTER BRACKET A.	1	Z111550001-0750
16	11Z8230449	. BRACKET, CENTER	1	Z111550001-0750
17	11Z8210458	. BOLT	3	Z111550001-0750
18	11Z8200462	. SHIFT LEVER ASSY	1	Z111550001-0750
19	11Z8280475	. MAGNETIC SWITCH A.	1	Z111550001-0750
	11Z8200487	. REAR BRACKET ASSY	1	Z111550001-0750
20	11Z8230498	.. BRACKET, REAR	1	Z111550001-0750
21	11Z8280507	.. SPRING, BRUSH	4	Z111550001-0750
22	11Z8200519	.. BRUSH HOLDER ASSY	1	Z111550001-0750
23	11Z8280523	.. BRUSH (+)	2	Z111550001-0750
24	11Z8280531	.. BRUSH (-)	2	Z111550001-0750
25	11Z8210547	. BOLT	2	Z111550001-0750
26	11Z8200551	. BOLT SWITCH ASSY	1	Z111550001-0750
27	11Z8200568	. WASHER ASSY (NOT SHOWN)	1	Z111550001-0750
28	11Z8200576	. SEAL ASSY (NOT SHOWN)	1	Z111550001-0750



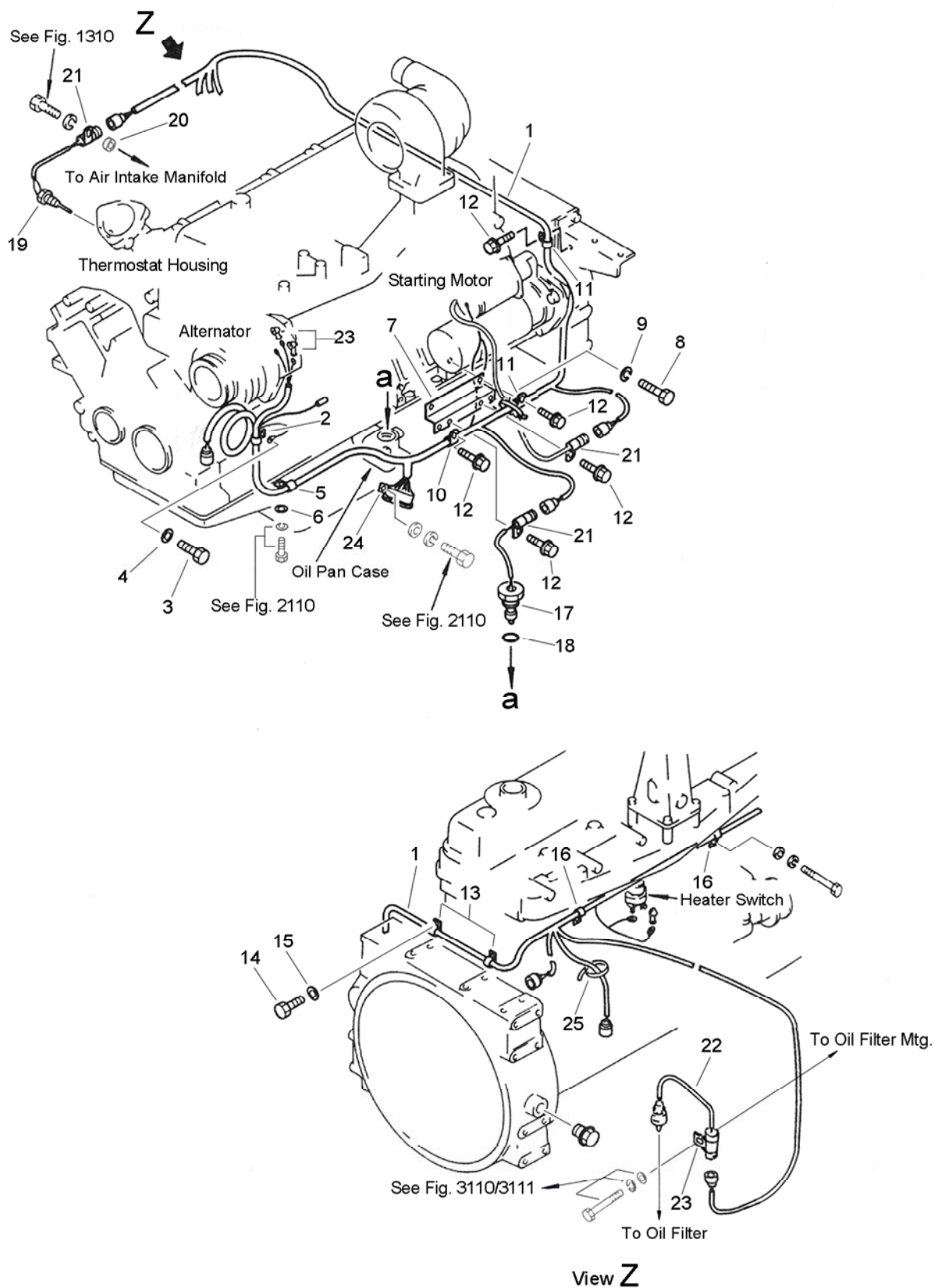
STARTER MOTOR (LUCAS-TVS)
FIG. No. 6216

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z8200213	STARTER MOTOR	1	Z111550751-
	LUCAS-TVS P/NO			
1	266 407 53	. MAIN TERMINAL(SOL)	1	Z111550751-
2	266 408 95	. TERM.BASE ASSY.	1	Z111550751-
3	266 408 90	. SPINDLE ASSY.	1	Z111550751-
4	546 437 79	. PLUNGER RETURN SPRING	1	Z111550751-
5	266 402 08	. SEALING RING(SOL)	1	Z111550751-
6	269 640 30A	. SOLENOID SWITCH	1	Z111550751-
7	266 409 87	. PLUNGER ASSY.	1	Z111550751-
8	261 007 46	. SCREW (SOL. FXG)	2	Z111550751-
9	262 540 14	. CONNECTOR (SOL)	1	Z111550751-
10	262 542 21	. SHROUD,SOL	1	Z111550751-
11	262 532 00	. SEALING RING(CE & DE)	2	Z111550751-
12	262 535 69	. INTERMEDIATE BRKT. ASSY	1	Z111550751-
13	262 539 29	. OIL SEAL	1	Z111550751-
14	262 520 07	. ENGAGING LEVER ASSY.	1	Z111550751-
15	262 542 94	. JUMP RING (PINION)	1	Z111550751-
16	262 546 60	. THRUST COLLAR ASSY.(PINION)	1	Z111550751-
17	262 546 46	. GROMMET FXG. BRKT	1	Z111550751-
18	9030 -594	. NUT(PIVOT)	1	Z111550751-
19	262 520 01	. PIVOT PIN	1	Z111550751-
20	262 535 77	. FIXING BRACKET ASSY.	1	Z111550751-
21	262 504 17	. BEARING BUSH (FXG. BRKT)	1	Z111550751-
22	262 527 43	. BEARING BUSH (INT. BRKT)	1	Z111550751-
23	262 533 41	. DRIVE ASSY.	1	Z111550751-
24	262 543 97	. THRUST COLLAR	1	Z111550751-
25	262 542 94	. JUMP RING PINION	1	Z111550751-
26	262 530 48	. END COVER	1	Z111550751-
27	262 527 33	. C' WASHER	1	Z111550751-
28	262 542 00	. EARTH TERMINAL	1	Z111550751-
29	262 543 94	. C.E BRKT.ASSY	1	Z111550751-
30	262 548 87	. BRUSH SET	1	Z111550751-
31	262 538 27	. BRUSH CARRIER ASSY.	1	Z111550751-
32	262 533 23	. FIELD COIL ASSY.	1	Z111550751-



STARTER MOTOR (LUCAS-TVS)**FIG. No. 6216**

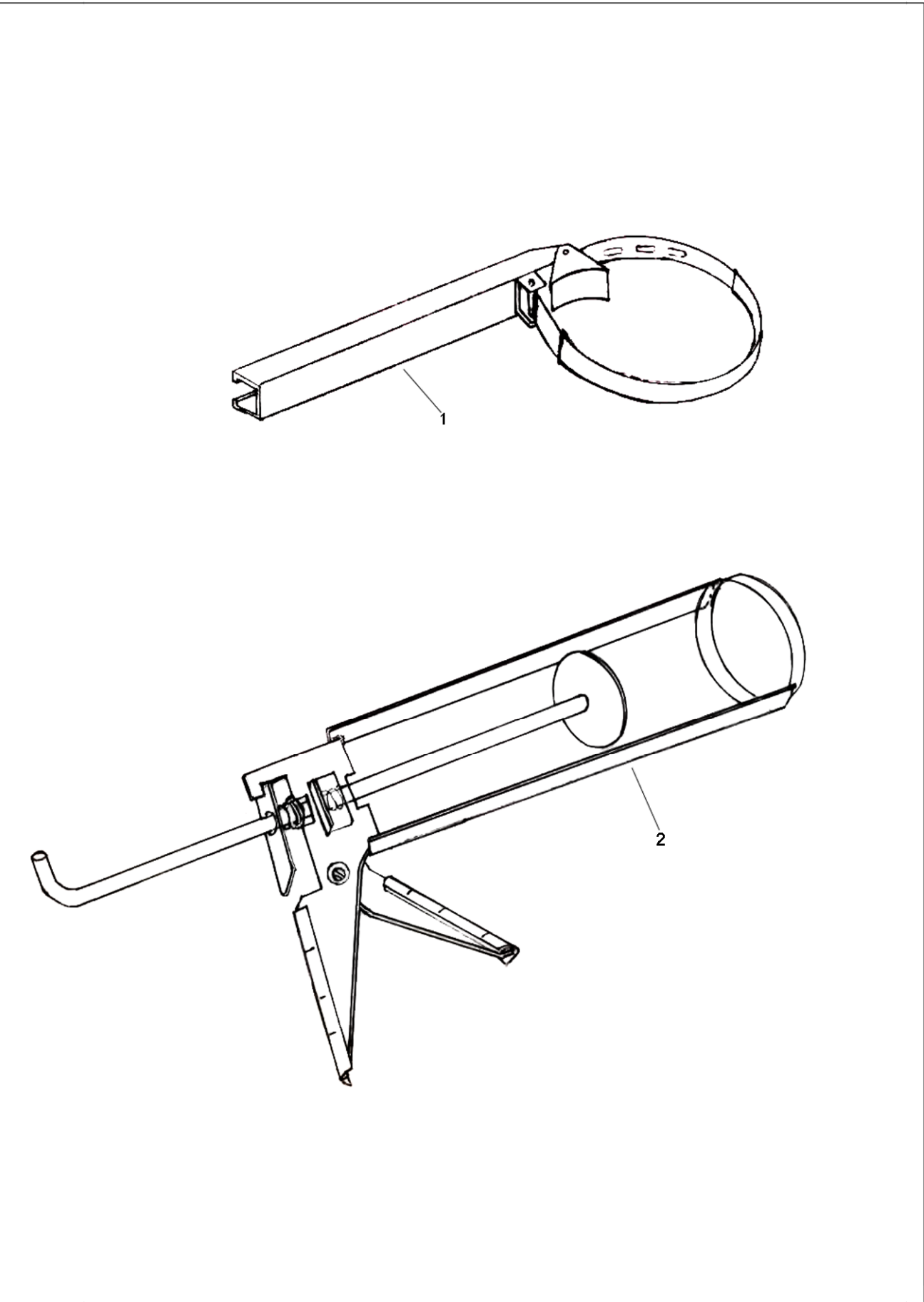
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	262 533 12	. ARMATURE ASSEMBLY	1	Z111550751-
34	261 303 16	. NUT THRO STUD	2	Z111550751-
35	262 533 13	. FIXING STUD	2	Z111550751-
36	262 546 27	. BEARING BUSH C.E BRKT	1	Z111550751-
37	262 535 95	. BRUSH SPRING	4	Z111550751-
38	262 542 44	. INSULATOR YOKE	1	Z111550751-
39	9030-2110A	. POLE SCREW	8	Z111550751-



ELECTRICAL WIRING

FIG. No. 6810

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8280045	WIRE HARNESS	1	Z111550001-0515
1	11Z8280191	WIRE HARNESS	1	Z111550516-0750
1	11Z8280256	WIRE HARNESS	1	Z111550751-0852
2	CCC06-11214	CLIP	1	Z111550001-0515
2	04434-52511	CLIP	1	Z111550516-0852
3	CFS01-31020	BOLT	1	Z111550001-0852
4	CFW02-11020	WASHER	1	Z111550001-0852
5	CCC06-11210	CLIP	1	Z111550001-0515
5	31Z1180152	CLIP	1	Z111550516-0852
6	CFW05-08023	WASHER	1	Z111550001-0852
7	11Z8210028	BRACKET	1	Z111550001-0852
8	CFS01-31225	BOLT	2	Z111550001-0852
9	CFW01-11236	WASHER,SPRING	2	Z111550001-0852
10	52Z7190327	CLIP	1	Z111550001-0515
10	31Z1180152	CLIP	1	Z111550516-0852
11	52Z7190327	CLIP	2	Z111550001-0515
11	31Z1180144	CLIP	2	Z111550516-0852
12	ZFB46-10812	BOLT	5	Z111550001-0852
13	CCC06-01814	CLIP	2	Z111550001-0515
13	04434-52112	CLIP	2	Z111550516-0852
14	CFS01-31220	BOLT	2	Z111550001-0852
15	CFW02-11225	WASHER	2	Z111550001-0852
16	CCC06-11210	CLIP	2	Z111550001-0852
17	11Z5180231	SENSOR,OIL LEVEL	1	Z111550001-0852
18	07002-23634 K2	O-RING	1	Z111550001-0852
19	31Z6180153	SENSOR,WATER TEMP.	1	Z111550001-0852
20	11Z6110127	SPACER	1	Z111550001-0852
21	52Z7190327	CLIP	3	Z111550001-0852
22	31Z2180179	SENSOR,OIL PRESSURE	1	Z111550001-0852
23	31Z8290147	CLIP	1	Z111550001-0852
24	11Z8290057	CLIP	1	Z111550001-0852
25	08034-00414 K2	BAND	1	Z111550001-0852



TOOLS**FIG. No. 9010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	09019-08035	WRENCH, FILTER	1	Z111550001-
2	7427500995	LIQUID GASKET APPLICATOR	1	Z111550001-

CYLINDER HEAD GASKET KIT

K1

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
	11Z9900175	CYLINDER HEAD GASKET KIT		1	Z111550001-
1	07000-62018	. O-RING	3250	1	Z111550001-0665
2	10Z1170061	. GASKET, HEAD	1010	1	Z111550001
3	10Z1270226	. GASKET	1310	2	Z111550001-
4	10Z1280213	. GASKET INTAKE	1310	1	Z111550001-
5	10Z1310086	. GASKET, EXHAUST	1510	3	Z111550001-
6	10Z2180115	. GASKET	3250	1	Z111550001-
7	10Z2270017	. GASKET	1010	1	Z111550001
8	10Z4160209	. SEAL	1150	1	Z111550001-
9	10Z4160314	. GASKET	1150	1	Z111550676-0815
10	10Z4170034	. PACKING	1150	4	Z111550001-
11	10Z6160172	. GASKET	5010	1	Z111550001-0993
12	10Z6170062	. GASKET	5010	1	Z111550001-
13	10Z6180463	. SEAL, THERMOSTAT	5010	1	Z111550994-
14	10Z7180165	. PACKING,DUST	4210	6	Z111550001-0750
15	11Z1210226	. GASKET	1510	1	Z111550666-
16	11Z1270231	. GASKET, OIL INLET	3250	1	Z111550666-
17	11Z1270248	. GASKET	3250	1	Z111550666-
18	11Z5180345	. GASKET	3150	1	Z111550900-
19	11Z7180519	. PACKING,DUST	4211	6	Z111550751-
20	11Z8110099	. GASKET	1510	1	Z111550001-0665
21	11Z8170055	. GASKET	3250	1	Z111550001-0665
22	30Z2160271	. O-RING	1150	1	Z111550001-
23	CPF06-00612	. WASHER,SEALING	4211	12	Z111550751-
24	CPF06-00812	. GASKET	4210	2	Z111550001-0750
25	CPF06-01412	. GASKET	3150	2	Z111550900-
26	CPF06-01412	. GASKET	3250	2	Z111550666-
27	CPF06-01412	. GASKET	4210	3	Z111550522-

CYLINDER BLOCK GASKET KIT
FIG. No. K2

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
	11Z9900183	CYLINDER BLOCK GASKET KIT		1	Z111550001-
1	07000-02055	. O-RING	2110	1	Z111550001-
2	07000-02070	. O-RING	2050	1	Z111550001-
3	07000-63022	. O-RING	3111	2	Z111550439-
4	07000-63028	. O-RING	3111	2	Z111550001-
5	07000-63028	. O-RING	3111	2	Z111550439-
6	07000-63028	. O-RING	3310	1	Z111550001-
7	07000-63035	. O-RING	3010	1	Z111550001-
8	07002-01623	. O-RING	2110	1	Z111550391-
9	07002-23634	. O-RING	2110	1	Z111550001-
10	07012-00032	. SEAL, OIL	4010	1	Z111550001-
11	08034-00414	. BAND	6810	1	Z111550001-0852
12	08034-00519	. BAND	5210	1	Z111550001-0908
13	10Z2160092	. SEAL CREVICE	2010	6	Z111550001-
14	10Z2160108	. O-RING UPPER	2010	6	Z111550001-
15	10Z2160157	. O-RING LOWER	2010	6	Z111550001-
16	10Z2180115	. GASKET	2010	1	Z111550001-
17	10Z2370036	. GASKET	2050	1	Z111550001-
18	10Z2370044	. GASKET	2050	1	Z111550001-
19	10Z2380064	. SEAL FRONT	2050	1	Z111550001-
20	10Z3280047	. SEAL OIL	2210	1	Z111550001-
21	10Z5160113	. O-RING	3310	1	Z111550001-
22	10Z5160113	. O-RING	3310	2	Z111550001-
23	10Z5160398	. O-RING	3310	1	Z111550001-
24	10Z5170125	. GASKET	3310	1	Z111550001-
25	10Z5170206	. GASKET	3310	2	Z111550001-0805
26	10Z5170344	. GASKET	2110	1	Z111550001-0390
27	10Z5170588	. GASKET	3310	2	Z111550806-
28	10Z6170079	. GASKET	5010	1	Z111550001-
29	10Z7110342	. WASHER, LOCK	4010	1	Z111550001-
30	10Z7170048	. GASKET	4010	1	Z111550001-
31	10Z8271081	. GASKET	6210	1	Z111550751-
32	11Z3270049	. GASKET	2210	1	Z111550001-
33	11Z6160072	. O-RING	5010	1	Z111550001-

CYLINDER BLOCK GASKET KIT

FIG. No. K2

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
34	30Z7160337	. GASKET	2050	1	Z111550001-
35	30Z7180433	. SEAL, OIL	2050	1	Z111550001-
36	41Z6180822	. SEAL	5010	1	Z111550001-
37	CFB17-51845	. BOLT	2310	1	Z111550001-
38	CHS01-02018	. O-RING	3310	1	Z111550001-
39	CHS01-03022	. O-RING	2110	1	Z111550001-
40	CHS01-13022	. O-RING	3310	1	Z111550001-
41	CPF06-00812	. GASKET	4130	1	Z111550468-
42	CPF06-00812	. GASKET	4112	1	Z111550145-
43	CPF06-01012	. GASKET	4010	2	Z111550001-
44	CPF06-01012	. GASKET	4010	2	Z111550522-
45	CPF06-01212	. GASKET	2010	1	Z111550001-
46	CPF06-01212	. GASKET	4010	2	Z111550001-
47	CPF06-01212	. GASKET	4010	2	Z111550522-
48	CPF06-01412	. GASKET	4135	6	Z111550468-
49	CPF06-01412	. GASKET	4110	1	Z111550001-0144
50	CPF06-01412	. GASKET	4112	4	Z111550468-
51	CPF06-01412	. GASKET	4110	4	Z111550001-
52	CPF06-01412	. GASKET	4110	4	Z111550001-

SERVICE KIT (250 Hrs.)**FIG. No. KS**

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
	10Z9900178	SERVICE KIT (250 Hrs.)		1	Z111550439-
1	00Z0090505	. BEMLACF-1 LITRE	5211	3	Z111550867-1199
1	00Z0090676	. BEMLACF-ALP - 1 LITRE	5211	3	Z111551200-
2	30Z7180369	. CARTRIDGE	4112	1	Z111550468-
3	11Z7180235	. CARTRIDGE,PRE-FILTER	4112	1	Z111550468-
4	30Z5180495	. CARTRIDGE	3111	1	Z111550439-
5	11Z5190495	INSERT,PAPER	3150	1	Z111550900-

TURBOCHARGER KIT**FIG. No. KT**

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
1	11Z8100484	• CORE ASSY.	1512	1	Z111550666-
2	11Z8100492	• OVERHAUL KIT	1512	1	Z111550666-
3	11Z8100508	• SECONDARY KIT	1512	1	Z111550666-

WATER PUMP SERVICE KIT**FIG. No. KW**

ITEM	PART NUMBER	NAME OF PART	FIG. No.	QTY	ENGINE SL.No.
	11Z9900329	WATER PUMP SERVICE KIT		1	Z111550001-
1	06037-06204	. BEARING, BALL	5010	2	Z111550001-
2	11Z6110135	. RING, SNAP	5010	1	Z111550001-1027
3	11Z6180274	. RING, SNAP	5010	1	Z111551028-
4	CFL02-14718	. RING, SNAP	5010	1	Z111550001-
5	11Z6160072	. O-RING	5010	1	Z111550001-
6	41Z6180822	. SEAL	5010	1	Z111550001-

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PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM
1230101608	4021		1420206016	4022	61	2430101184	4211	
1230203001	4023	11	1420210010	4022	36	2430101186	4211	
1410023009	4021	46	1420210028	4022	75	2430101188	4211	
1410023009	4021	47	1420211005	4022	71	2430101190	4211	
1410100037	4021	34	1420283006	4022	77	2430101192	4211	
1410101610	4021		1420300073	4022	38	2430101194	4211	
1410101612	4021		1420328034	4022	32	2430101196	4211	
1410101614	4021		1420500005	4022	40	2430101198	4211	
1410101616	4021		1420505040	4022	19	2430101200	4211	
1410101618	4021		1420506609	4022	15	2430101202	4211	
1410101620	4021		1420506640	4022	15	2430101204	4211	
1410101630	4021		1420521001	4022	70	2430101206	4211	
1410102625	4021		1420524000	4022	48	2430101208	4211	
1410102626	4021		1420707005	4022	58	2430101210	4211	
1410102627	4021		1421015047	4022	73	2430101212	4211	
1410102628	4021		1421038013	4022	62	2430101214	4211	
1410102629	4021		1421323000	4022	2	2430101216	4211	
1410102630	4021		1421901179	4022	20	2430101218	4211	
1410102631	4021		1421933037	4022	17	2430136085	4211	5
1410102632	4021		1422002432	4022	39	2434614037	4211	2
1410105001	4021	9	1422013044	4022	30	2440105000	4023	5
1410105007	4021	37	1422013095	4022	30	2440210009	4023	12
1410114022	4021	18	1422031021	4022	14	2443120022	4023	6
1410120071	4021	25	1423000005	4022	18	2443203001	4023	7
1410202034	4021	27	1423120063	4022	49	2443456900	4023	13
1410202042	4021	27	1423300020	4022	24	2444615006	4023	8
1410202086	4021	2	1423300058	4022	9	2444617010	4023	3
1410210037	4021	51	1423317015	4022	67	2449998709	4023	2
1410210050	4021	10	1423317044	4022	66	2449998713	4023	2
1410281012	4021	31	1423341034	4022	56	2911062193	4022	64
1410300248	4021	24	1423400031	4022	3	2911062196	4022	43
1410326005	4021	6	1423400031	4022	8	2911182193	4022	63
1410361001	4021	4	1423401012	4022	22	2911271702	4022	10
1410551036	4021	45	1423410011	4022	12	2912701166	4021	36
1411015097	4021	49	1423414037	4022	31	2912732199	4022	50
1411039006	4021	32	1423590014	4022	5	2912732203	4022	59
1411073000	4021	42	1424641001	4022	23	2912732209	4022	60
1413100030	4021	23	1424650005	4022	35	2914551167	4022	79
1413300028	4021	21	1424650060	4022	57	2914552156	4021	33
1413344001	4021	3	1425121056	4022	1	2914552179	4022	51
1413372090	4021	12	1425627009	4022	4	2915012007	4021	43
1413372091	4021	12	1428194021	4022	54	2915012007	4022	13
1413412004	4021	14	1460105309	4022	44	2915012007	4022	47
1413414009	4021	50	1460105309	4022	68	2916080015	4022	34
1413450010	4021	22	1463300302	4022	16	2916080907	4022	21
1413455080	4021	5	1900023005	4022	46	2916600006	4022	26
1413462102	4022	45	1900023008	4021	38	2916650034	4211	8
1413502000	4021	41	1900210013	4022	33	2916690005	4021	44
1414613013	4021	11	1900910201	4021	29	2916690005	4022	53
1414618028	4021	19	1900910202	4021	29	2916699132	4022	42
1415522054	4021	30	2420050011	4022	78	2916699134	4022	52
1415626114	4021	48	2420328030	4022	76	2916710602	4022	7
1416026004	4021	13	2423341001	4022	6	2916710602	4022	69
1416336060	4021	15	2430101170	4211	3	2916710610	4021	53
1416336061	4021	15	2430101172	4211		2916710611	4022	11
1418720025	4021	20	2430101174	4211		7427500995	9010	2
1420101030	4022	37	2430101176	4211		9410036073	4021	
1420101078	4022	28	2430101178	4211		9411030135	4021	39
1420101634	4022	37	2430101180	4211		9411033319	4021	40
1420151001	4022	55	2430101182	4211		9411035800	4021	35

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PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM
9411038578	4021	8	07002-01623	K2	8	10Z2140044	2010	1
9412036115	4021	26	07002-23634	2110	25	10Z2140052	2010	3
9412038344	4021	7	07002-23634	K2	9	10Z2140069	2010	4
9413035309	4021	1	07002-23634	6810	18	10Z2150137	2010	6
9420034395	4022		07012-00032	4010	9	10Z2160092	2010	17
9421030321	4022	38	07012-00032	K2	10	10Z2160092	K2	13
9421030333	4022	29	07040-11209	2010	12	10Z2160108	2010	18
9421031004	4022	72	07040-11409	4112	5	10Z2160108	K2	14
9421031905	4022	25	07040-11612	2110	22	10Z2160157	2010	19
9421032072	4022	41	07043-50108	1010	8	10Z2160157	K2	15
9421033430	4022	65	07043-50108	2010	15	10Z2180083	2010	2
9421035351	4022		07046-42816	1010	6	10Z2180115	2010	22
9431033126	4211	4	07046-44016	1010	7	10Z2180115	K2	16
9431033346	4211	7	07260-20928	5210	15	10Z2180115	3250	20
9431033422	4211	9	07260-20950	5210	12	10Z2180115	K1	6
9441033404	4023	4	07260-22008	3250	17	10Z2210028	1010	17
9441033405	4023	9	07270-20475	4211	16	10Z2270017	1010	18
9441037202	4023	10	07270-20475	4210	15	10Z2270017	K1	7
00Z0090505	5211	1	07270-40435	4210	15	10Z2300027	2050	
00Z0090505	KS	1	07271-01440	4112	9	10Z2310088	2050	27
00Z0090676	5211	1	07271-01460	4112	28	10Z2310096	2050	1
00Z0090676	KS	1	07283-27663	1410	11	10Z2310103	2050	23
01010-60822	2050	3	07285-00085	4211	18	10Z2320018	2050	5
01010-60822	2110	11	07285-00085	4210	17	10Z2350078	2050	25
01010-60822	2110	18	07285-00220	1150	10	10Z2370036	2050	6
01010-60895	2050	11	07285-00230	1150	10	10Z2370036	K2	17
01010-E0820	1610	7	07287-01912	1150	9	10Z2370044	2050	2
01010-E1025	1610	21	08034-00414	6810	25	10Z2370044	K2	18
02030-40638	1510	16	08034-00414	K2	11	10Z2380056	2050	26
02400-10313	2350	11	08034-00519	5210	17	10Z2380064	2050	14
02720-20810	2110	21	08034-00519	K2	12	10Z2380064	K2	19
02720-40607	3310	2	08038-00519	1310	30	10Z3100015	2310	
04010-00416	4010	17	08670-02001	1410	14	10Z3100023	2350	
04010-00516	2410	3	09019-08035	9010	1	10Z3100818	2310	
04418-02550	2010	35	09482-20000	5010	29	10Z3100834	2310	
04434-51210	3250	11	10Z1110097	1010	13	10Z3100842	2310	
04434-51810	4112	27	10Z1110112	1010	12	10Z3100859	2310	
04434-52112	6810	13	10Z1150102	1010	16	10Z3100867	2310	
04434-52511	6810	2	10Z1170061	1010	15	10Z3100923	2350	
06000-06007	4010	16	10Z1170061	K1	2	10Z3110181	2310	3
06037-06204	5010	3	10Z1180049	1010	4	10Z3110198	2310	7
06037-06204	KW	1	10Z1180057	1010	11	10Z3110246	2310	6
07000-02055	2110	5	10Z1180073	1010	10	10Z3110902	2350	10
07000-02055	K2	1	10Z1180081	1010	5	10Z3150033	2310	1
07000-02070	2050	17	10Z1180138	1010	5	10Z3150041	2350	8
07000-02070	K2	2	10Z1220095	1310	1	10Z3150058	2350	7
07000-62018	3250	2	10Z1220346	1310	8	10Z3150203	2310	4
07000-62018	K1	1	10Z1270226	1310	12	10Z3150211	2350	10
07000-63022	3111	16	10Z1270226	K1	3	10Z3150236	2310	2
07000-63022	K2	3	10Z1270315	1411	15	10Z3150933	2350	7
07000-63028	3111	8	10Z1280181	1310	8	10Z3150941	2350	8
07000-63028	K2	4	10Z1280198	1410	5	10Z3180125	2350	9
07000-63028	3111	20	10Z1280213	1310	2	10Z3180133	2310	15
07000-63028	K2	5	10Z1280213	K1	4	10Z3180255	2310	
07000-63028	3110	5	10Z1310086	1510	3	10Z3180263	2310	13
07000-63028	3310	26	10Z1310086	K1	5	10Z3180271	2310	14
07000-63028	K2	6	10Z1310094	1510	11	10Z3180288	2310	
07000-63035	3010	25	10Z2110122	2010	9	10Z3180417	2310	
07000-63035	K2	7	10Z2110147	2010	8	10Z3180425	2310	15
07002-01623	2110	23	10Z2120012	2050	15	10Z3180433	2310	

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PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM
10Z3180441	2310	15	10Z5130176	3310	24	10Z7170048	4010	10
10Z3180458	2310		10Z5140188	3010	1	10Z7170048	K2	30
10Z3180466	2310	15	10Z5140196	3010	3	10Z7180132	4110	7
10Z3180474	2310		10Z5150378	3010	11	10Z7180157	4110	11
10Z3180482	2310	15	10Z5160113	3310	4	10Z7180165	4210	12
10Z3180669	2350	12	10Z5160113	K2	21	10Z7180165	K1	14
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31Z8290147	3110	14	51Z7183761	4013	14	9030-713 A	6111	17
31Z8290147	6810	23	51Z7183794	4013	17	9030-784 A	6111	38
41Z3210024	2210	14	51Z7183801	4013	18	9030-791	6111	29
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41Z6180822	KW	6	51Z7183883	4013	29	CCC01-05012	5010	22
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51Z2190118	3010	32	51Z7183923	4013	31	CCC01-11520	1410	16
51Z7180789	4011	10	51Z7183948	4013	33	CCC01-14520	1410	17
51Z7180804	4011	9	51Z7183956	4013	34	CCC06-01814	6810	13
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51Z7181209	4015	15	9030-1032 A	6111	23	CFB01-20855	3010	22
51Z7181233	4015	5	9030-1285 H	6111	45	CFB01-20860	2050	7
51Z7181258	4013	36	9030-1358	6111	5	CFB01-20865	1310	3
51Z7181306	4015	16	9030-1391	6111	46	CFB01-20865	3310	21
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51Z7181882	4012		9030-1518	6111	28	CFB01-20880	2050	9
51Z7181914	4015	2	9030-1518 A	6111	24	CFB01-20890	2050	10
51Z7181922	4015	3	9030-1524	6111	21	CFB01-20890	3111	21
51Z7181939	4015	4	9030-1603 B	6111	40	CFB01-20890	1310	4
51Z7181963	4015	12	9030-1688 D	6111	56	CFB01-20890	3110	10
51Z7181988	4015	10	9030-1689	6111	54	CFB01-21025	3010	29
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51Z7182076	4012	9	9030-1756	6111	32	CFB01-21025	5210	2
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51Z7182116	4013	8	9030-1938	6111	39	CFB01-21025	1610	3
51Z7182238	4013	19	9030-1939	6111	44	CFB01-21025	1610	16
51Z7182449	4011	2	9030-2040	6111	20	CFB01-21025	4010	35
51Z7182879	4011	50	9030-2079 A	6111	31	CFB01-21025	6010	9
51Z7182887	4011	51	9030-2110A	6216	39	CFB01-21030	3250	21

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CFB01-21030	4112	14	CFN01-20868	3310	14	CFW01-10825	3110	11
CFB01-21030	4112	20	CFN01-21084	6011	17	CFW01-10825	3310	15
CFB01-21030	4135	5	CFN01-21084	1610	18	CFW01-10825	3310	22
CFB01-21030	5110	5	CFN01-21084	4010	36	CFW01-10825	3310	29
CFB01-21030	1410	3	CFN01-21211	6011	4	CFW01-10825	4010	6
CFB01-21030	1410	9	CFN04-11411	6011	10	CFW01-10825	5010	27
CFB01-21030	1610	11	CFN04-11411	6010	5	CFW01-10929	5210	7
CFB01-21030	2010	23	CFN28-11011	1410	12	CFW01-11030	3010	30
CFB01-21030	2010	24	CFP04-00514	2010	5	CFW01-11030	3111	3
CFB01-21030	4110	8	CFP04-01228	2010	11	CFW01-11030	3111	10
CFB01-21030	6210	2	CFP13-03016	2050	24	CFW01-11030	3111	25
CFB01-21035	3111	2	CFP13-04008	2010	7	CFW01-11030	3250	22
CFB01-21035	3111	9	CFP13-05012	2010	10	CFW01-11030	4111	3
CFB01-21035	3111	23	CFP13-08020	2010	20	CFW01-11030	4112	3
CFB01-21035	3250	15	CFS01-20820	3150	3	CFW01-11030	4112	15
CFB01-21035	5110	5	CFS01-30516	1310	25	CFW01-11030	4135	6
CFB01-21035	2010	39	CFS01-30620	1310	20	CFW01-11030	5110	6
CFB01-21035	3110	6	CFS01-30816	3111	17	CFW01-11030	5210	3
CFB01-21035	4010	3	CFS01-30820	4024	8	CFW01-11030	6011	15
CFB01-21035	4010	41	CFS01-30820	5110	5	CFW01-11030	6011	20
CFB01-21035	4110	2	CFS01-30820	3010	18	CFW01-11030	1010	21
CFB01-21040	6011	14	CFS01-30825	2050	18	CFW01-11030	1410	4
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CFB01-21050	5010	12	CFS01-30825	3010	33	CFW01-11030	1610	12
CFB01-21055	6011	16	CFS01-30825	3250	4	CFW01-11030	1610	17
CFB01-21055	5010	17	CFS01-30825	3250	15	CFW01-11030	2010	25
CFB01-21060	1510	10	CFS01-30825	2010	30	CFW01-11030	2110	7
CFB01-21065	2110	6	CFS01-30825	3310	18	CFW01-11030	3110	8
CFB01-21075	2010	40	CFS01-31020	4010	32	CFW01-11030	4010	4
CFB01-21240	4112	7	CFS01-31020	6810	3	CFW01-11030	4010	12
CFB01-21240	2210	3	CFS01-31220	6810	14	CFW01-11030	4010	33
CFB01-21240	2210	12	CFS01-31225	2110	29	CFW01-11030	4010	37
CFB01-21260	2210	4	CFS01-31225	6810	8	CFW01-11030	4110	3
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CFK02-00516	3010	10	CFW01-10825	3010	27	CFW01-11236	2310	11
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CFL01-11510	1411	8	CFW01-10825	3111	13	CFW01-11236	6010	12
CFL02-11610	3010	16	CFW01-10825	3111	18	CFW01-11236	6210	3
CFL02-14018	2350	3	CFW01-10825	3111	22	CFW01-11236	6810	9
CFL02-14718	5010	4	CFW01-10825	3250	5	CFW01-11442	6011	11
CFL02-14718	KW	4	CFW01-10825	3250	16	CFW01-11442	6010	6
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CFN01-20652	1310	21	CFW01-10825	1310	14	CFW02-10816	2050	13
CFN01-20868	1110	7	CFW01-10825	2010	32	CFW02-10816	2050	20
CFN01-20868	3010	34	CFW01-10825	2110	12	CFW02-10816	3010	36
CFN01-20868	4024	6	CFW01-10825	2110	17	CFW02-10816	3111	14

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CFW02-10816	1310	15	CPF06-01212	K2	47	ZFB46-10912	2110	27
CFW02-10816	2010	33	CPF06-01412	3150	6	ZFB46-20820	2410	5
CFW02-10816	2110	13	CPF06-01412	K1	25	ZFB46-20850	4211	14
CFW02-10816	2110	20	CPF06-01412	4112	6	ZFB46-20855	4210	13
CFW02-10816	3110	12	CPF06-01412	4135	10	ZFB46-21280	2050	28
CFW02-10816	3310	23	CPF06-01412	K2	48			
CFW02-10816	5010	28	CPF06-01412	4211	22			
CFW02-11020	3010	31	CPF06-01412	3250	9	ALTERNATOR (L-TVS 45A) [OPTIONAL]		
						04120-21748	6012	17
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CFW02-11020	3111	11	CPF06-01412	4111	13	11Z8210303	6012	4
CFW02-11020	4111	9	CPF06-01412	4111	15	11Z8210652	6012	3
CFW02-11020	4112	21	CPF06-01412	4112	12	11Z8240647	6012	2
CFW02-11020	4135	7	CPF06-01412	K2	50	26102366	6112	22
CFW02-11020	6011	18	CPF06-01412	4112	24	26102386	6112	5
CFW02-11020	1510	13	CPF06-01412	4112	26	26102646	6112	4
CFW02-11020	3110	9	CPF06-01412	4110	6	26130126	6112	28
CFW02-11020	4010	38	CPF06-01412	K2	49	26130126	6112	29
CFW02-11020	4010	42	CPF06-01412	4110	14	26130236	6112	35
						26130866	6112	1
CFW02-11020	4110	10	CPF06-01412	K2	51	26211364	6112	14
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CFW02-11020	6810	4	CPF06-01412	K2	52	26211409	6112	31
CFW02-11225	6011	6	CPF06-01412	4210	21	26212025	6112	2
CFW02-11225	6810	15	CPF06-01412	K1	27	26212112	6112	26
CFW02-11425	6011	12	CPF09-10813	3150	7	26212119	6112	30
CFW03-10616	1310	23	CPF09-11013	3250	6	26212141	6112	16
CFW03-10816	3310	16	CPF12-10610	4010	44	26212188	6112	23
CFW03-11020	2110	8	CPF12-10812	4010	49	26212204	6112	21
CFW03-11425	6010	7	CPF12-10812	4010	51			
						26212212	6112	27
CFW05-08023	1610	8	CPF12-11014	3150	5	26212265	6112	24
CFW05-08023	6810	6	CPF12-11014	3250	10	26212267	6112	20
CFW05-10032	3250	12	CPF12-11014	4111	12	26212327	6112	7
CFW05-10032	1410	10	CPF12-11014	4111	14	26212328	6112	32
CFW05-10032	1410	13	CPF12-11014	4112	11	26212357	6112	9
CFW05-10032	1610	19	CPF12-11014	4112	23	26212359	6112	8
CFW05-10032	1610	22	CPF12-11014	4112	25	26212360	6112	10
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						26212386	6112	15
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CHS01-02018	3310	10	CPL01-20810	5010	34	26480158	6112	19
CHS01-02018	K2	38	CPL01-20810	1510	2	26480275	6112	18
CHS01-03022	2110	3	CPL01-20810	1610	2	26938101A	6112	25
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CPF06-01212	2010	13	F002A21494	4022	4	CFW02-11020	6012	15
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CPF06-01212	4010	50	NK 1-8	6111	30			