



**BS6D105-1
ENGINE**



**ON
BD50 DOZER**

PARTS CATALOGUE

BEML LIMITED
MYSORE, INDIA.



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FOREWORD

Parts book details are subject to periodical changes due to design improvements, standardization, etc., It is recommended that customers contact Beml service centers 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
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.
QTY.	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.
STD.	Standard part
U/S	Under – size part
O/S	Over – size part
AR	As required.
OPT.	Optional.

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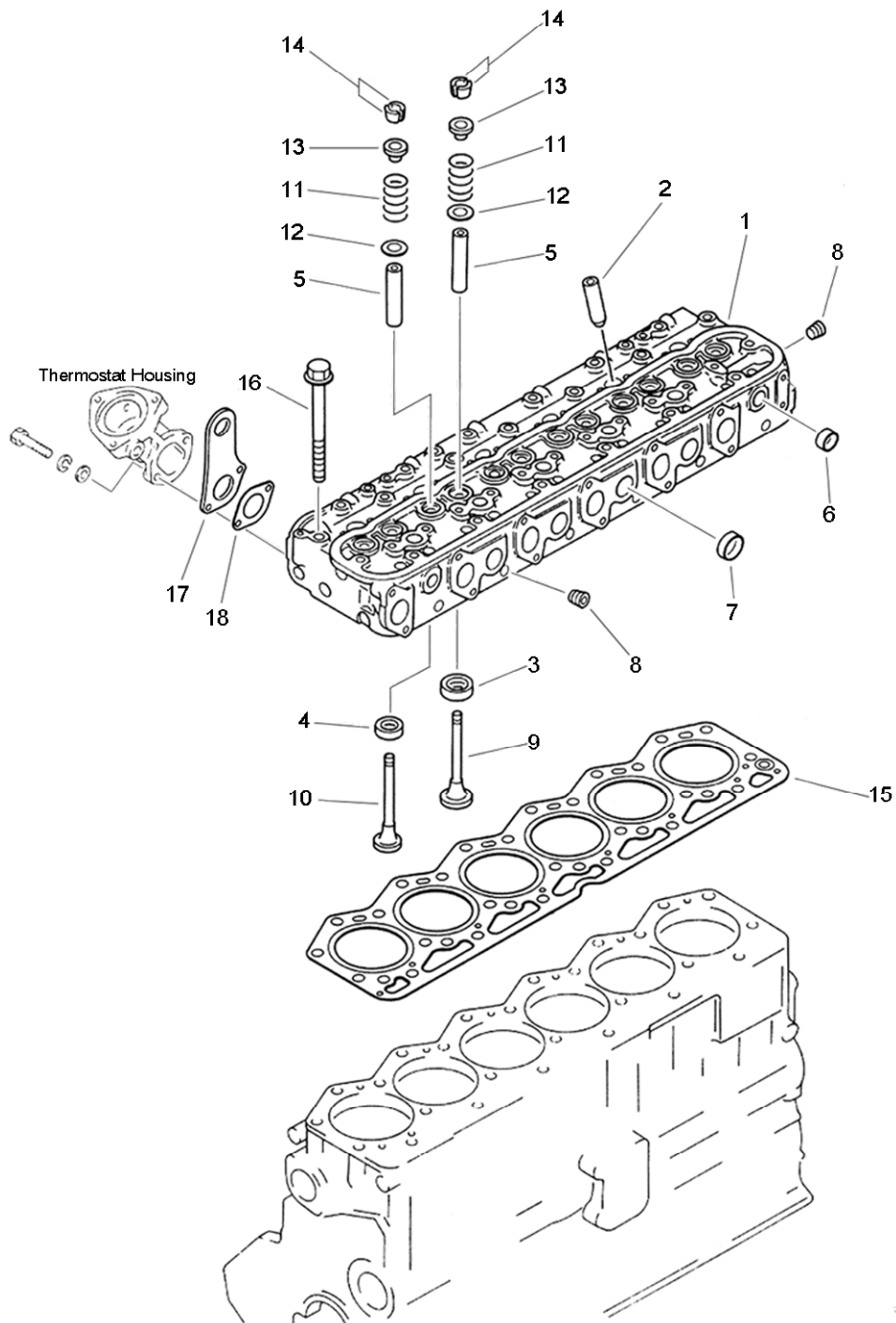
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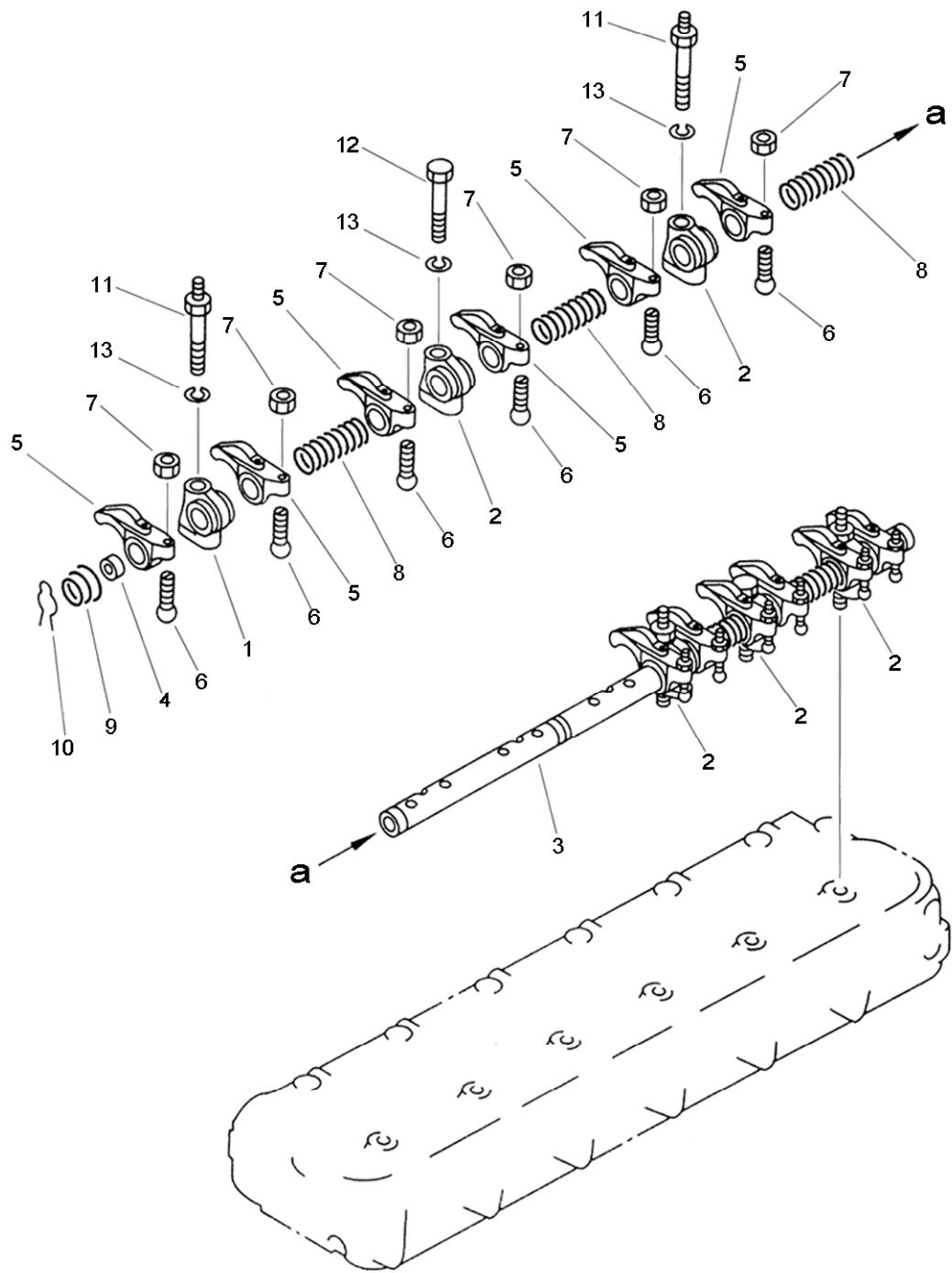
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CYLINDER HEAD

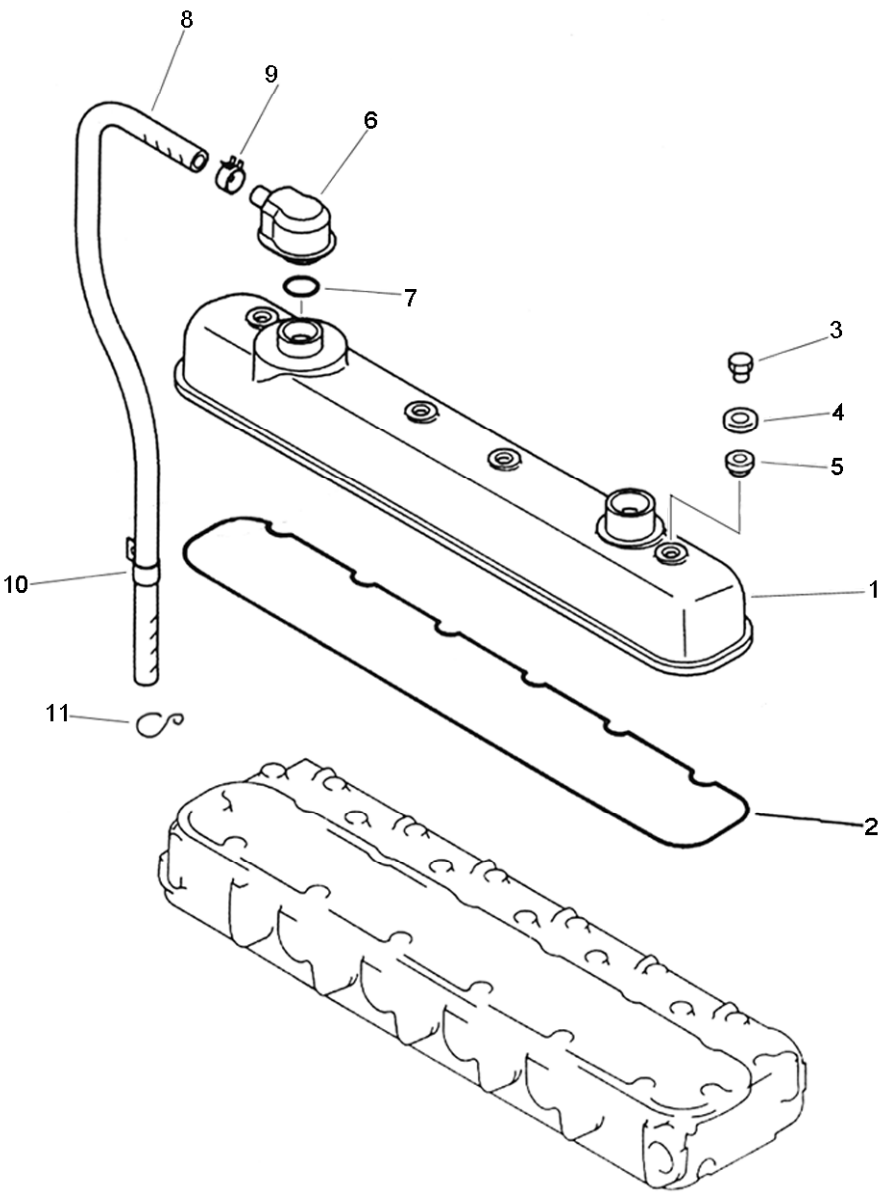
FIG. No. 1010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z1100147	. CYLINDER HEAD ASSY,WITH VALVE	1	Z111100001-
	11Z1100058	. CYLINDER HEAD ASSY,LESS VALVE	1	Z111100001-
1	*11Z1140023	.. CYLINDER HEAD	1	Z111100001-
2	30Z1120158	.. SLEEVE, NOZZLE HOLDER	6	Z111100001-
3	11Z1180038	.. SEAT,VALVE, INTAKE, STD	6	Z111100001-
3	11Z1180062	.. SEAT,VALVE, INTAKE, O/S 0.25	6	Z111100001-
3	11Z1180079	.. SEAT, VALVE, INTAKE, O/S 0.50	6	Z111100001-
3	11Z1180087	.. SEAT, VALVE, INTAKE, O/S 0.75	6	Z111100001-
3	11Z1180095	.. SEAT, VALVE,INTAKE, O/S 1.00	6	Z111100001-
4	10Z1180049	.. SEAT, VALVE, EXHAUST, STD.	6	Z111100001-
4	11Z1180102	.. SEAT, VALVE, EXHAUST O/S 0.25	6	Z111100001-
4	11Z1180119	.. SEAT, VALVE, EXHAUST O/S 0.50	6	Z111100001-
4	11Z1180127	.. SEAT, VALVE, EXHAUST O/S 0.75	6	Z111100001-
4	11Z1180135	.. SEAT, VALVE, EXHAUST O/S 1.00	6	Z111100001-
5	10Z1180081	.. GUIDE	12	Z111100001-
5	10Z1180138	.. GUIDE, VALVE, SEMIFINISHED	12	Z111100001-
6	07046-42816	.. PLUG,EXPANSION	13	Z111100001-
7	07046-44016	.. PLUG	9	Z111100001-
8	07043-50108	.. PLUG	7	Z111100001-
9	11Z1110045	. VALVE, INTAKE	6	Z111100001-
10	10Z1180073	. VALVE, EXHAUST	6	Z111100001-
11	10Z1180057	. SPRING VALVE	12	Z111100001-
12	10Z1110112	. SEAT SPRING	12	Z111100001-
13	10Z1110097	. GUIDE, SPRING	12	Z111100001-
14	30Z1110049	. COTTER VALVE	24	Z111100001-
15	10Z1170061	K1 GASKET, HEAD	1	Z111100001-
16	10Z1150102	BOLT,HEAD	26	Z111100001-
17	10Z2210028	HANGER, FRONT	1	Z111100001-
18	10Z2270017	K1 GASKET	1	Z111100001-



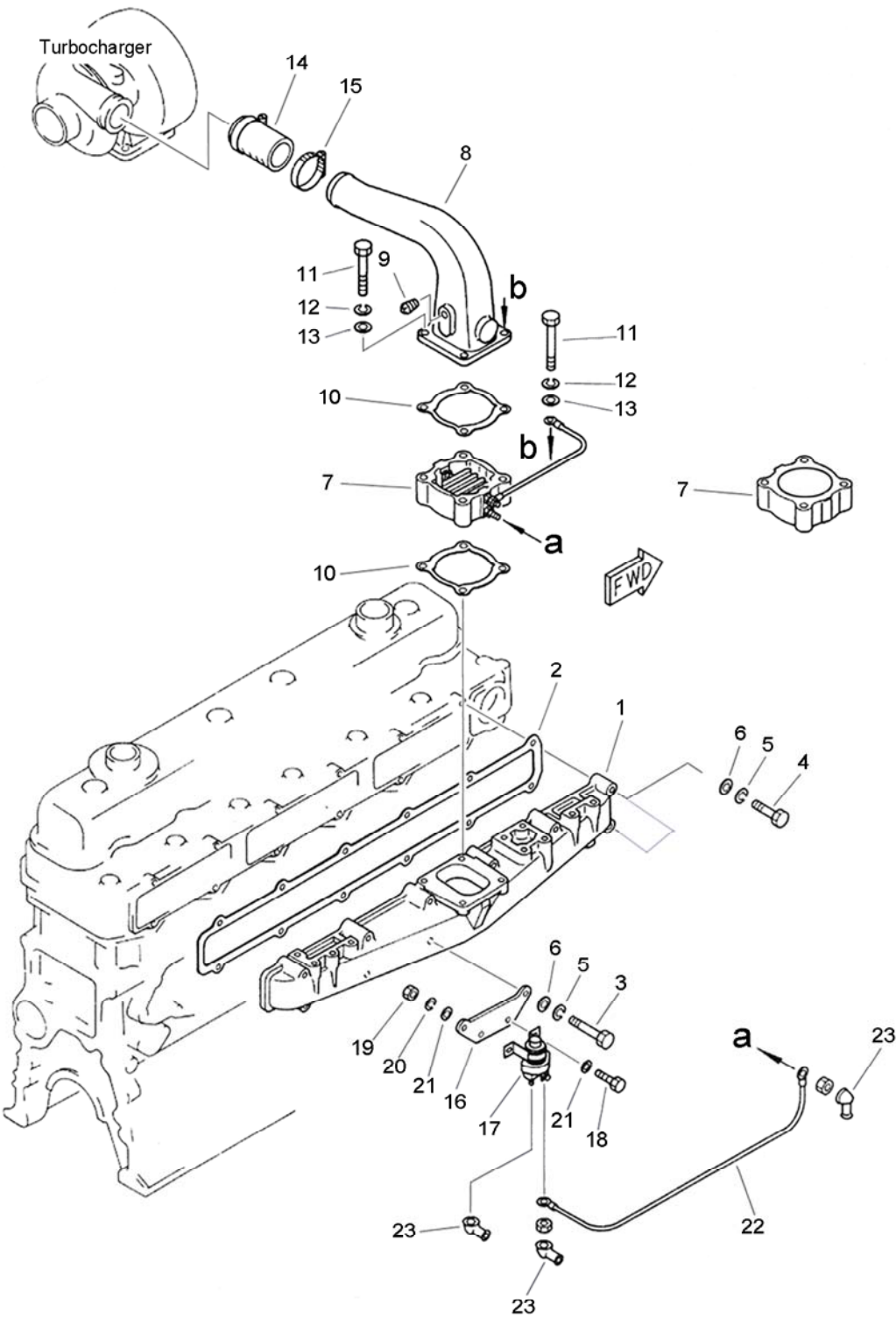
ROCKER ARM AND HOUSING
FIG. No. 1110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z4100022	ROCKER ARM ASSY.	1	Z111100001-
1	11Z4140053	• BRACKET	1	Z111100001-
2	11Z4140061	• BRACKET	5	Z111100001-
	11Z4100111	• ROCKER SHAFT ASSY.	1	Z111100001-
3	*11Z4180084	•• SHAFT	1	Z111100001-161
3	*11Z4140356	•• SHAFT	1	Z111100162-
4	10Z4110191	•• PLUG	2	Z111100001-
5	10Z4140072	• ROCKER ARM	12	Z111100001-
6	10Z4110175	• SCREW, ADJUST	12	Z111100001-
7	CFN01-20868	• NUT, LOCK	12	Z111100001-
8	10Z4110215	• SPRING	5	Z111100001-
9	10Z4110223	• SPRING, CONICAL	2	Z111100001-
10	10Z4110231	• CLIP	2	Z111100001-
11	10Z4110142	STUD	4	Z111100001-
12	CFB01-21280	BOLT	2	Z111100001-
13	CFW01-11236	WASHER, SPRING	6	Z111100001-



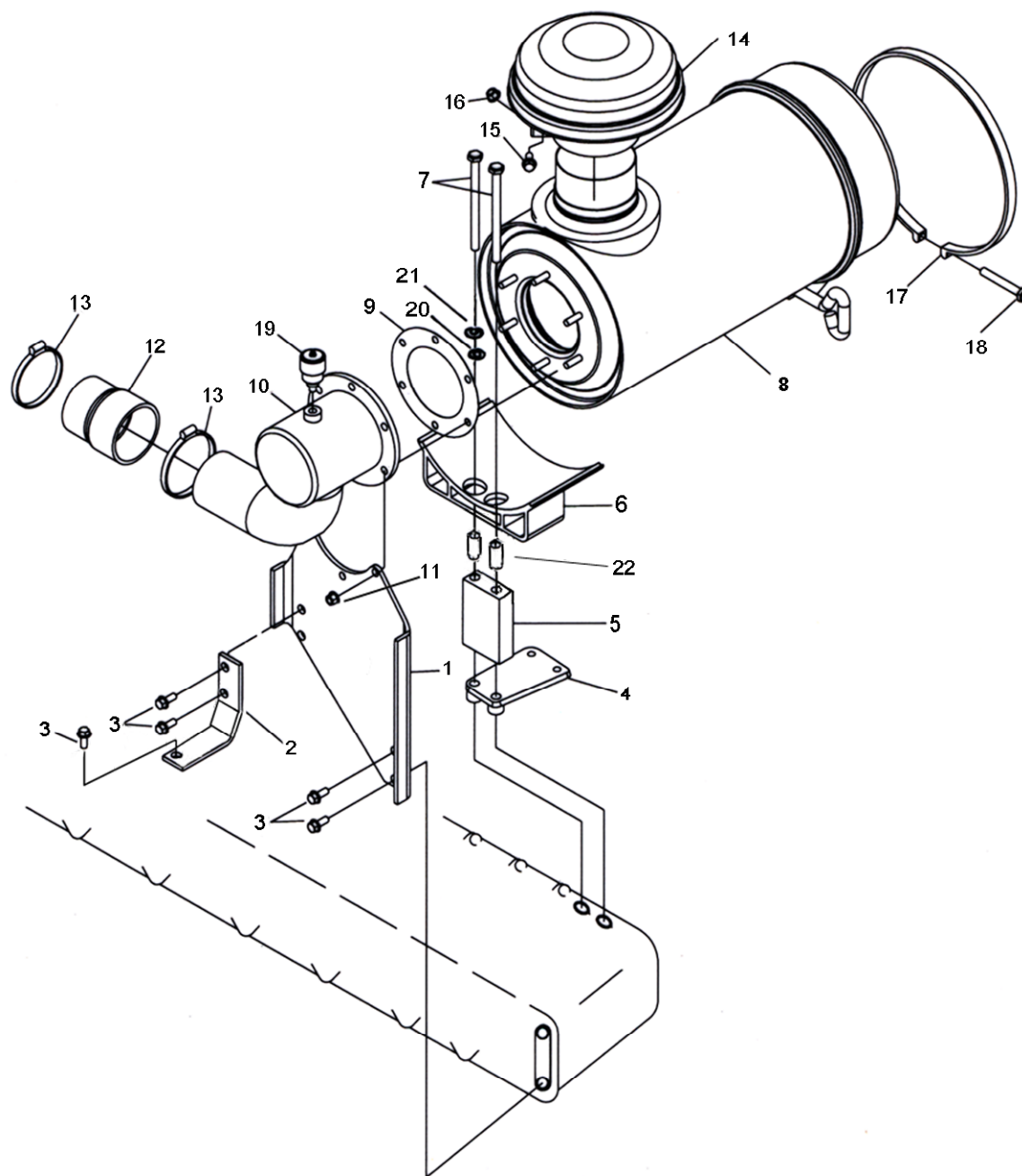
ROCKER ARM HOUSING COVER**FIG. No. 1150**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z4120184	COVER,CYL HEAD	1	Z111100001-
2	10Z4160209 K1	GASKET	1	Z111100001-
3	10Z4110086	NUT	4	Z111100001-
4	10Z4110183	WASHER	4	Z111100001-
5	10Z4170034 K1	PACKING	4	Z111100001-
6	30Z2180392	BREATHER ASSY.	1	Z111100001-
7	30Z2160271 K1	O-RING	1	Z111100001-
8	07287-01912	HOSE	1	Z111100001-
9	07285-00220	CLIP	1	Z111100001-
10	31Z5190544	CLAMP	1	Z111100001-
11	30Z2190411	CLIP	1	Z111100001-



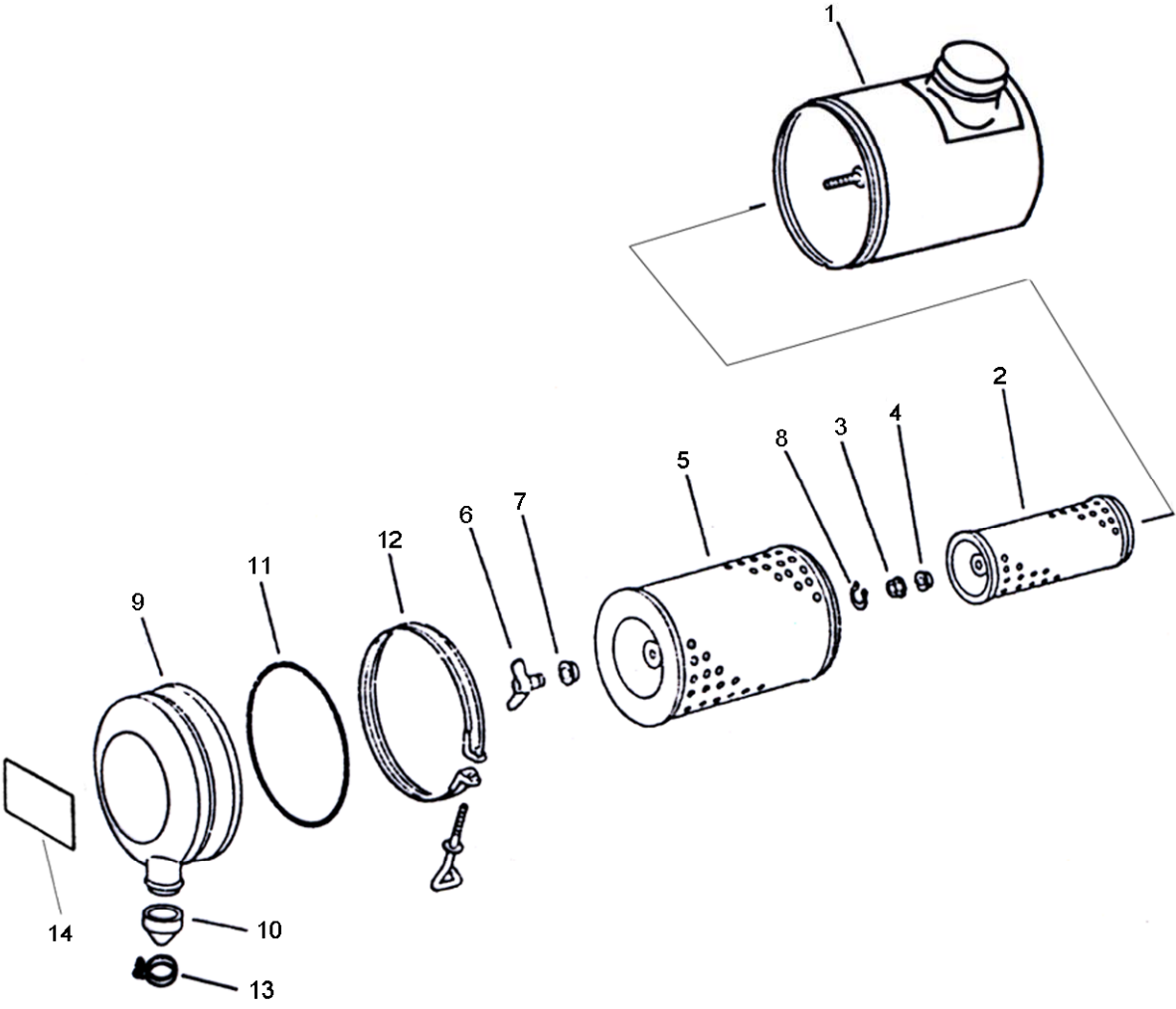
INTAKE MANIFOLD
FIG. No. 1310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z1220095	MANIFOLD,INTAKE	1	Z111100001-
2	10Z1280213 K1	GASKET INTAKE	1	Z111100001-
3	ZFB46-20860	BOLT	10	Z111100001-
4	ZFB46-20850	BOLT	2	Z111100001-
5	CFW01-10825	WASHER SPRING	12	Z111100001-
6	CFW02-10816	WASHER	12	Z111100001-
7	10Z1220346	SPACER	1	Z111100001-
7	10Z1280181	RIBBON HEATER (OPT)	1	Z111100001-
8	11Z1220262	CONNECTOR	1	Z111100001-
9	CPL01-10810	PLUG	1	Z111100001-
10	10Z1270226 K1	GASKET	2	Z111100001-
11	CFB01-20870	BOLT	4	Z111100001-
12	CFW01-10825	WASHER SPRING	4	Z111100001-
13	CFW02-10816	WASHER	4	Z111100001-
14	11Z1280081	HOSE	1	Z111100001-
15	CCC01-07020	CLAMP	2	Z111100001-
16	10Z8210063	PLATE (OPT)	1	Z111100001-
17	30Z8280098	SWITCH,HEATER (OPT)	1	Z111100001-
18	CFS01-30620	SCREW (OPT)	2	Z111100001-
19	CFN01-20652	NUT (OPT)	2	Z111100001-
20	CFW01-10619	WASHER,SPRING (OPT)	2	Z111100001-
21	CFW03-10616	WASHER (OPT)	4	Z111100001-
22	10Z8280031	WIRE (OPT)	1	Z111100001-
23	08038-00519	CAP (OPT)	3	Z111100001-



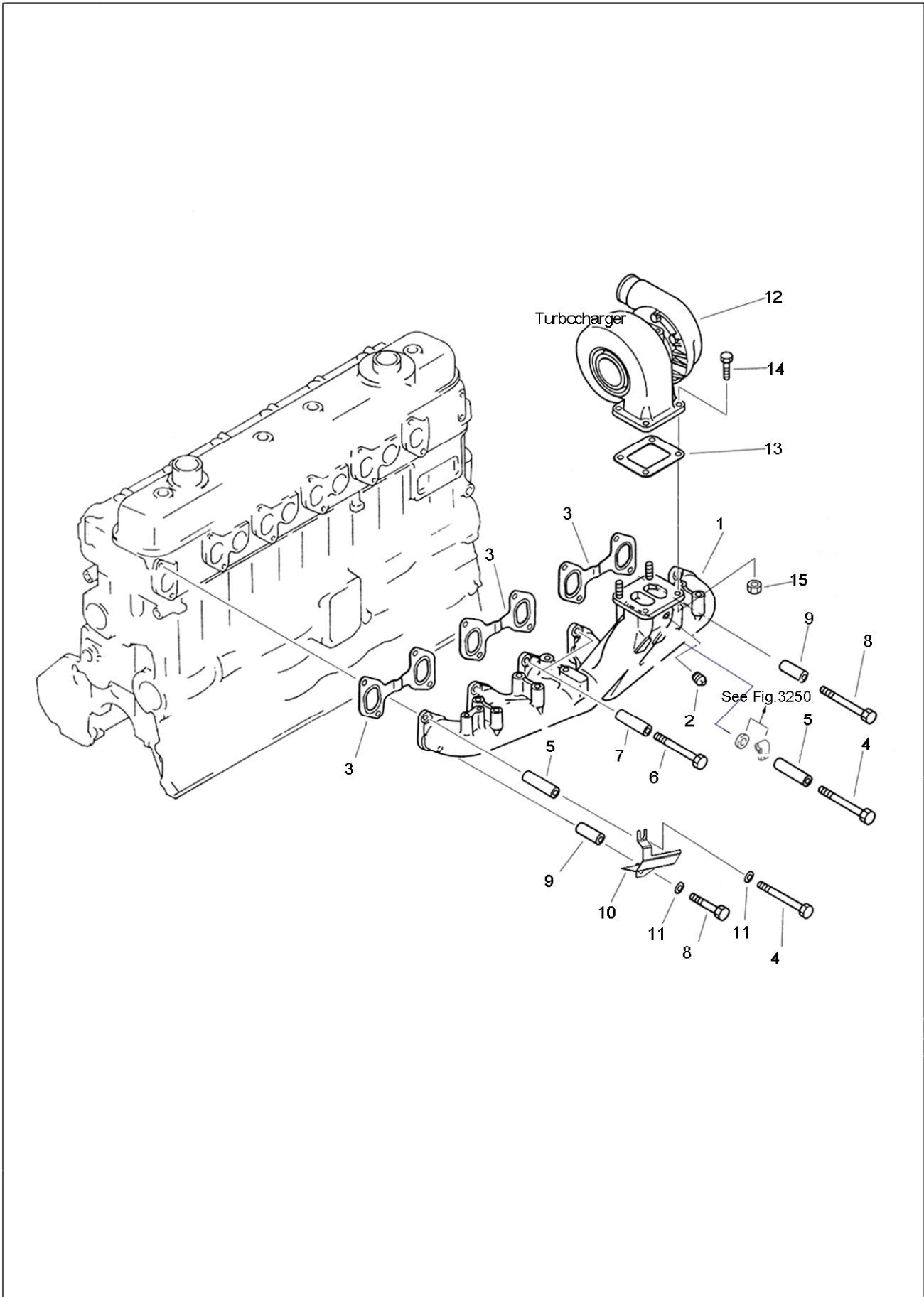
AIR CLEANER & MOUNTING**FIG. No. 1410**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1230388	BRACKET	1	Z111100118-
2	11Z1210397	BRACKET	1	Z111100001-
3	ZFB46-21025	BOLT	6	Z111100001-
4	11Z7130566	BRACKET	1	Z111100001-
5	10Z1210278	SPACER	1	Z111100001-
6	11Z1230411	BRACKET	1	Z111100001-
7	CFB02-21055	BOLT	2	Z111100001-
8	10Z1280238	AIR CLEANER ASSY.	1	Z111100001-
9	10Z1270104	GASKET	1	Z111100001-
10	11Z1230371	TUBE	1	Z111100001-
11	01584-00806	NUT (ZFN49-10808)	6	Z111100001-
12	11Z1260285	HOSE	1	Z111100001-
13	CCC01-09020	CLAMP	2	Z111100001-
14	11Z1230403	RAIN CAP	1	Z111100001-
15	01050-31035	▪ BOLT	1	Z111100001-
16	01582-01008	▪ NUT	1	Z111100001-
17	10Z1280198	BAND	1	Z111100001-
18	30Z1210043	BOLT	1	Z111100001-
19	08670-02001	DUST INDICATOR	1	Z111100001-
20	CFW01-11030	WASHER	2	Z111100001-
21	CFW02-11020	WASHER	2	Z111100001-
22	30Z1210035	SPACER	2	Z111100001-
23	11Z2190043	NAME PLATE	1	Z111100108-
24	04418-02250	SCREW	4	Z111100108-



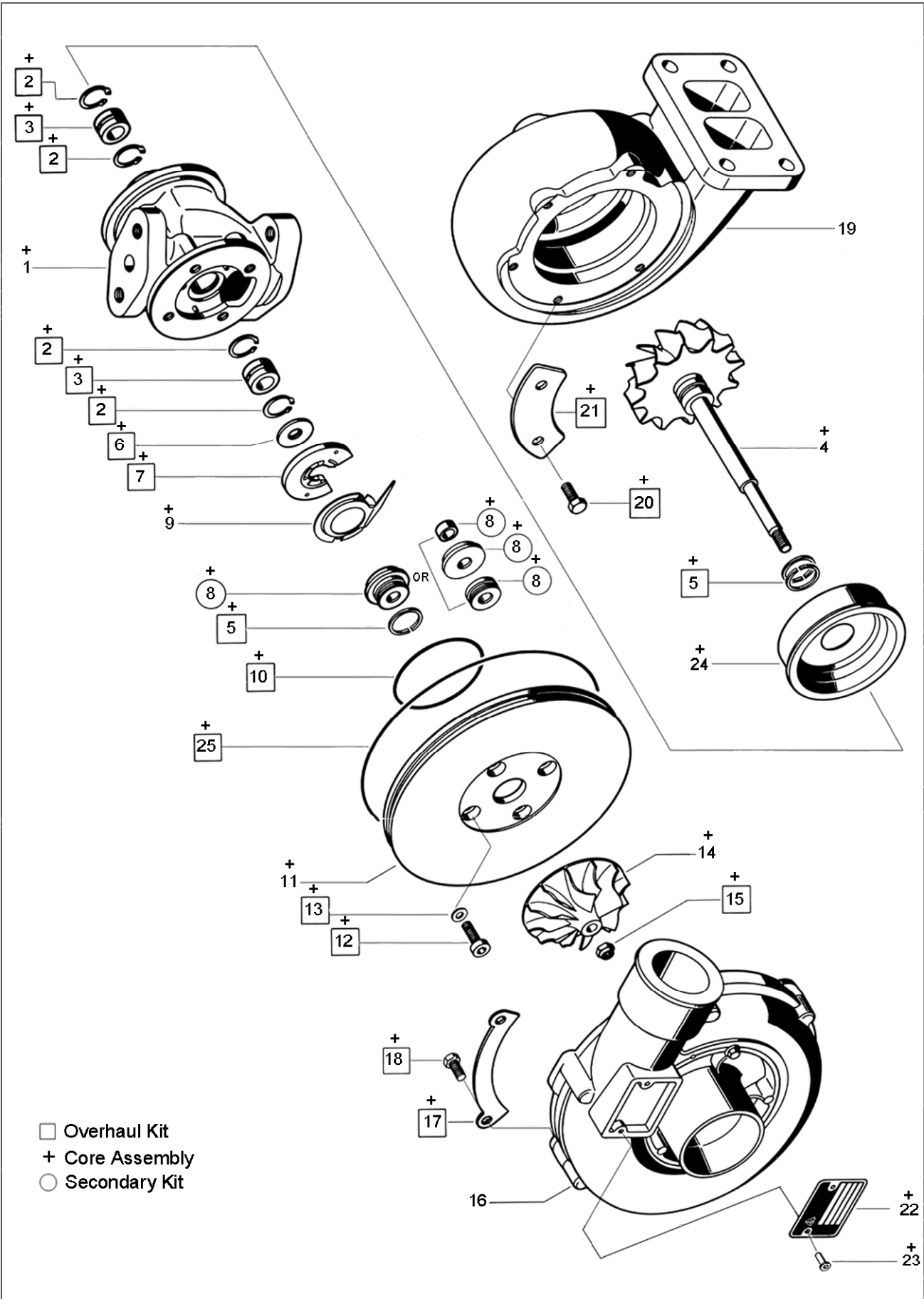
AIR CLEANER ASSEMBLY
FIG. No. 1411

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z1280238	AIR CLEANER ASSY.	1	Z111100001-
1	10Z1280246	. BODY	1	Z111100001-
	10Z1200436	. ELEMENT ASSY.	1	Z111100001-
2	10Z1280035	.. ELEMENT INNER	1	Z111100001-
3	10Z1280068	.. NUT SPECIAL	1	Z111100001-
4	30Z1280214	.. SEAL WASHER	1	Z111100001-
	10Z1280027	.. ELEMENT OUTER ASSY.	1	Z111100001-
5	10Z1280019	... ELEMENT OUTER	1	Z111100001-
6	10Z1240159	... WING NUT	1	Z111100001-
7	30Z1280214	... SEAL WASHER	1	Z111100001-
8	CFL01-11510	... SNAP RING	1	Z111100001-
9	10Z1280051	. PAN, DUST	1	Z111100001-
10	10Z1280165	. VALVE	1	Z111100001-
11	10Z1280173	. O-RING	1	Z111100001-
12	10Z1280043	. BAND	1	Z111100001-
13	30Z1280311	. CLAMP	1	Z111100001-
14	10Z1270315	PLATE, CAUTION	1	Z111100001-



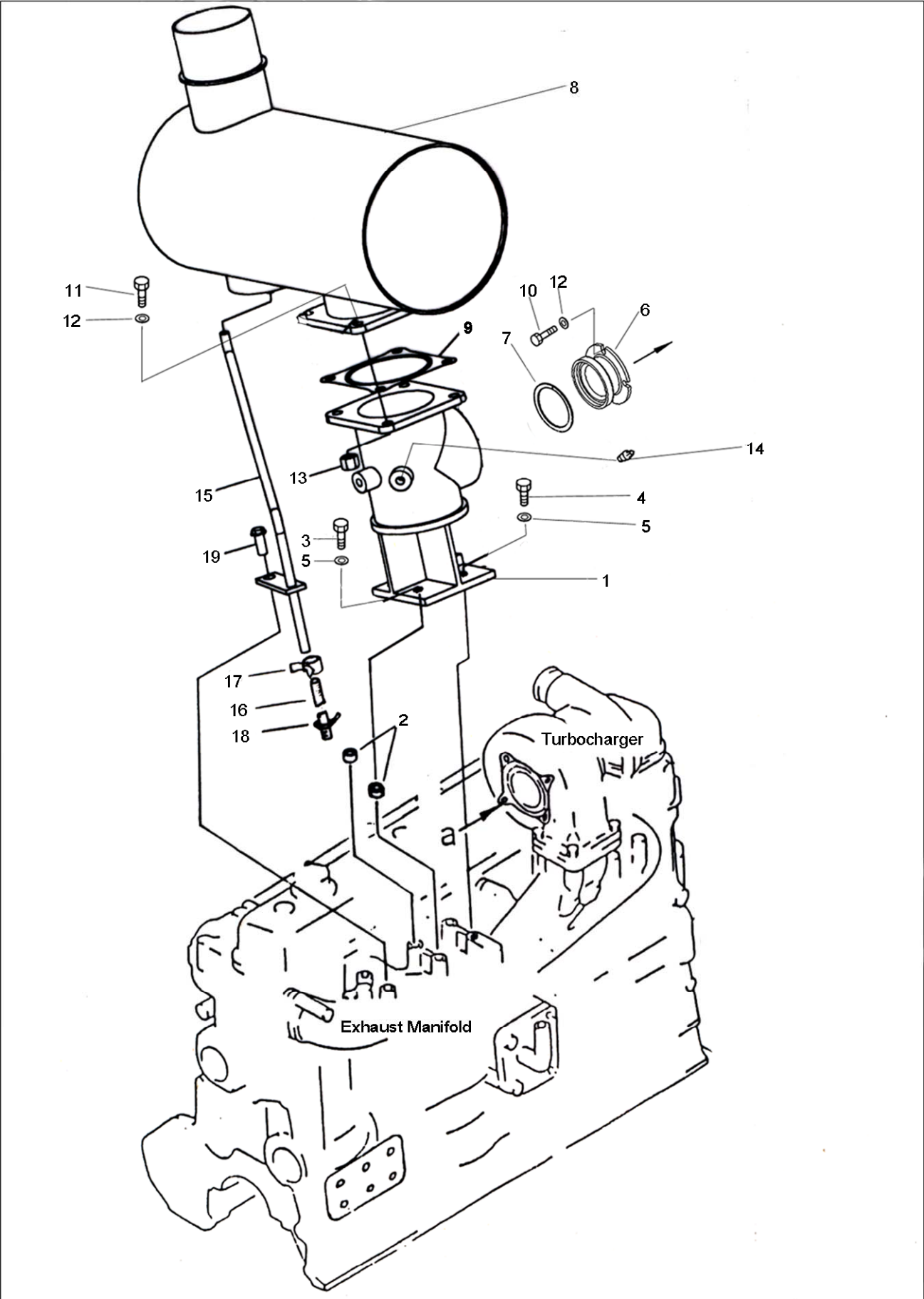
EXHAUST MANIFOLD**FIG. No. 1510**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1340175	MANIFOLD EXHAUST	1	Z111100004-
2	CPL01-20810	PLUG	1	Z111100001-
3	10Z1310086 K1	GASKET EXHAUST	3	Z111100001-
4	ZFB47-21000	BOLT	8	Z111100001-
5	30Z2110059	SPACER	8	Z111100001-
6	ZFB47-11015	BOLT	2	Z111100001-
7	11Z1310091	SPACER	2	Z111100001-063
7	11Z1310091	SPACER	1	Z111100064-
8	ZFB46-11060	BOLT	2	Z111100001-
9	10Z1310094	SPACER	2	Z111100001-063
9	10Z1310094	SPACER	3	Z111100064-
10	11Z1210356	HEAT SHIELD	1	Z111100001-
11	CFW02-11020	WASHER	2	Z111100001-
12	11Z8100192	TURBOCHARGER ASSY.	1	Z111100001-
13	11Z1210226 K1	GASKET	1	Z111100001-
14	02030-40638	BOLT	4	Z111100001-
15	11Z8110082	NUT	4	Z111100001-



TURBOCHARGER ASSEMBLY (TEL)
FIG. No. 1512

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8100192	TURBOCHARGER ASSY.	1	Z111100001-
	11Z8100484 KT	CORE ASSY.	1	Z111100001-
	11Z8100492 KT	OVERHAUL KIT	1	Z111100001-
	11Z8100508 KT	SECONDARY KIT	1	Z111100001-
1	(*)	BEARING HOUSING	1	Z111100001-
2	(*)	SNAP RING	4	Z111100001-
3	(*)	JOURNAL	2	Z111100001-
4	(*)	SHAFT & TURBINE WHEEL ASSY.	1	Z111100001-
5	(*)	PISTON RINGS	2	Z111100001-
6	(*)	THRUST RING	1	Z111100001-
7	(*)	THRUST PLATE	1	Z111100001-
8	(*)	FLINGER SLEEVE	1	Z111100001-
9	(*)	OIL DEFLECTOR	1	Z111100001-
10	(*)	O-RING	1	Z111100001-
11	(*)	BACK PLATE	1	Z111100001-
12	(*)	BOLT, SOCKET HEAD	4	Z111100001-
13	(*)	WASHER	4	Z111100001-
14	(*)	COMPRESSOR WHEEL	1	Z111100001-
15	(*)	LOCK, NUT	1	Z111100001-
16	11Z8140385	COMPRESSOR HOUSING	1	Z111100001-
17	(*)	SEGMENT COMPRESSOR SIDE	1	Z111100001-
18	(*)	BOLT, HEX.	8	Z111100001-
19	11Z8140417	TURBINE HOUSING	1	Z111100001-
20	(*)	BOLT, HEX.	6	Z111100001-
21	(*)	SEGMENT TURBINE SIDE	3	Z111100001-
22	(*)	NAME PLATE	1	Z111100001-
23	(*)	RIVET	2	Z111100001-
24	(*)	HEAT SHIELD	1	Z111100001-
25	(*)	O-RING	1	Z111100001-

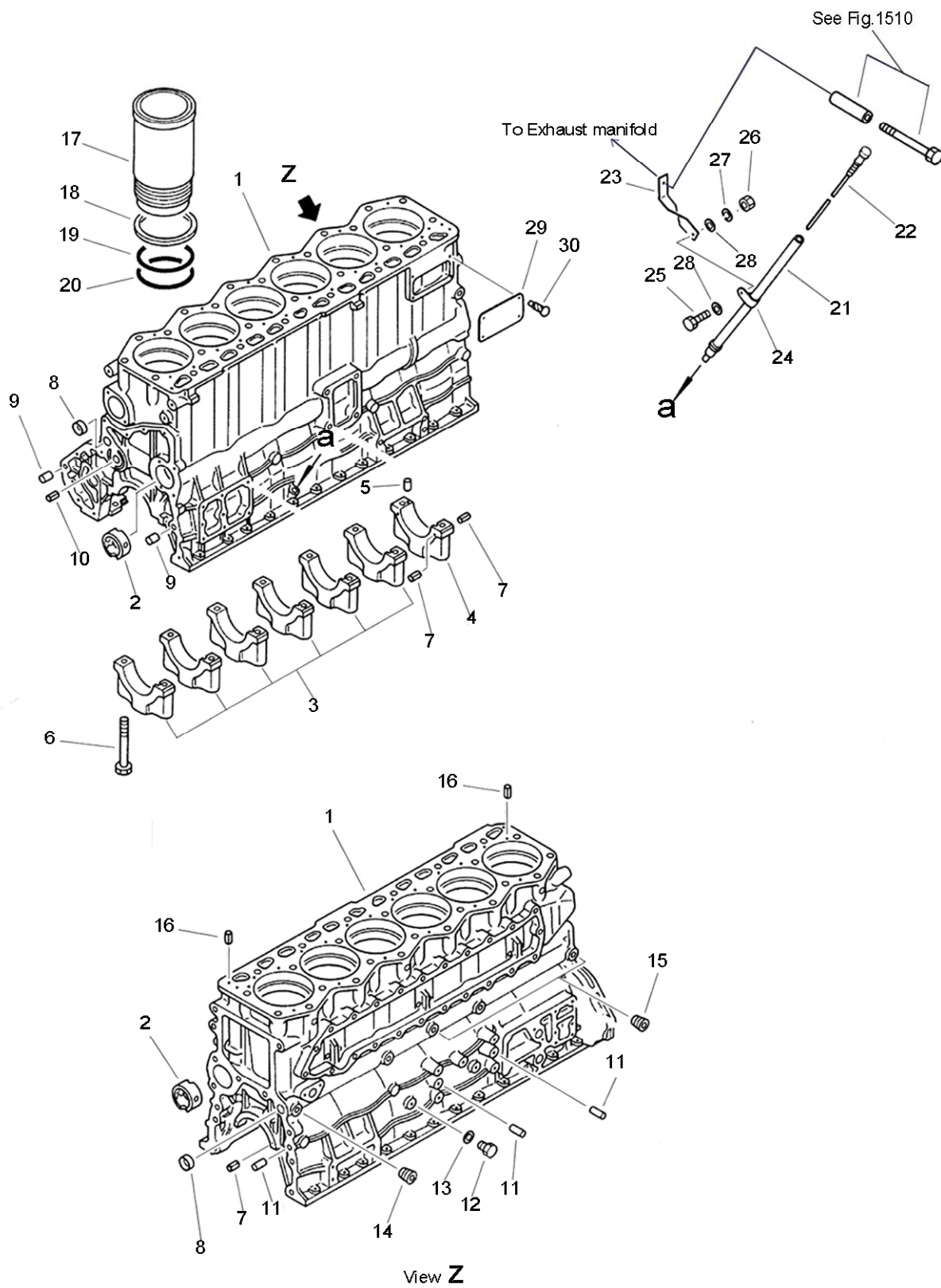


MUFFLER AND MOUNTING**FIG. No. 1610**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z1330196	CONNECTOR,EXHAUST	1	Z111100001-
2	11Z1310212	SPACER	2	Z111100001-
3	CFB01-21030	BOLT	2	Z111100001-
4	CFB01-21025	BOLT	2	Z111100001-
5	CFW01-11030	WASHER, SPRING	4	Z111100001-
6	11Z8110528	FLANGE TURBO	1	Z111100001-
7	11Z1380076	RING, SEAL	1	Z111100001-
8	11Z1330203	MUFFLER	1	Z111100001-
9	30Z1310038	GASKET	1	Z111100001-
10	01010-E1025	BOLT	4	Z111100001-
11	01010-E1035	BOLT	4	Z111100001-
12	CFW05-10032	WASHER	8	Z111100001-
13	30Z1310013	NUT	4	Z111100001-
14	CPL01-10810	PLUG	1	Z111100001-
15	11Z1330228	TUBE	1	Z111100001-
16	07260-20971	HOSE	1	Z111100001-
17	07285-00155	CLIP	1	Z111100001-
18	08034-00414	BAND	1	Z111100001-
19	CFS01-31016	BOLT	1	Z111100001-

CYLINDER BLOCK

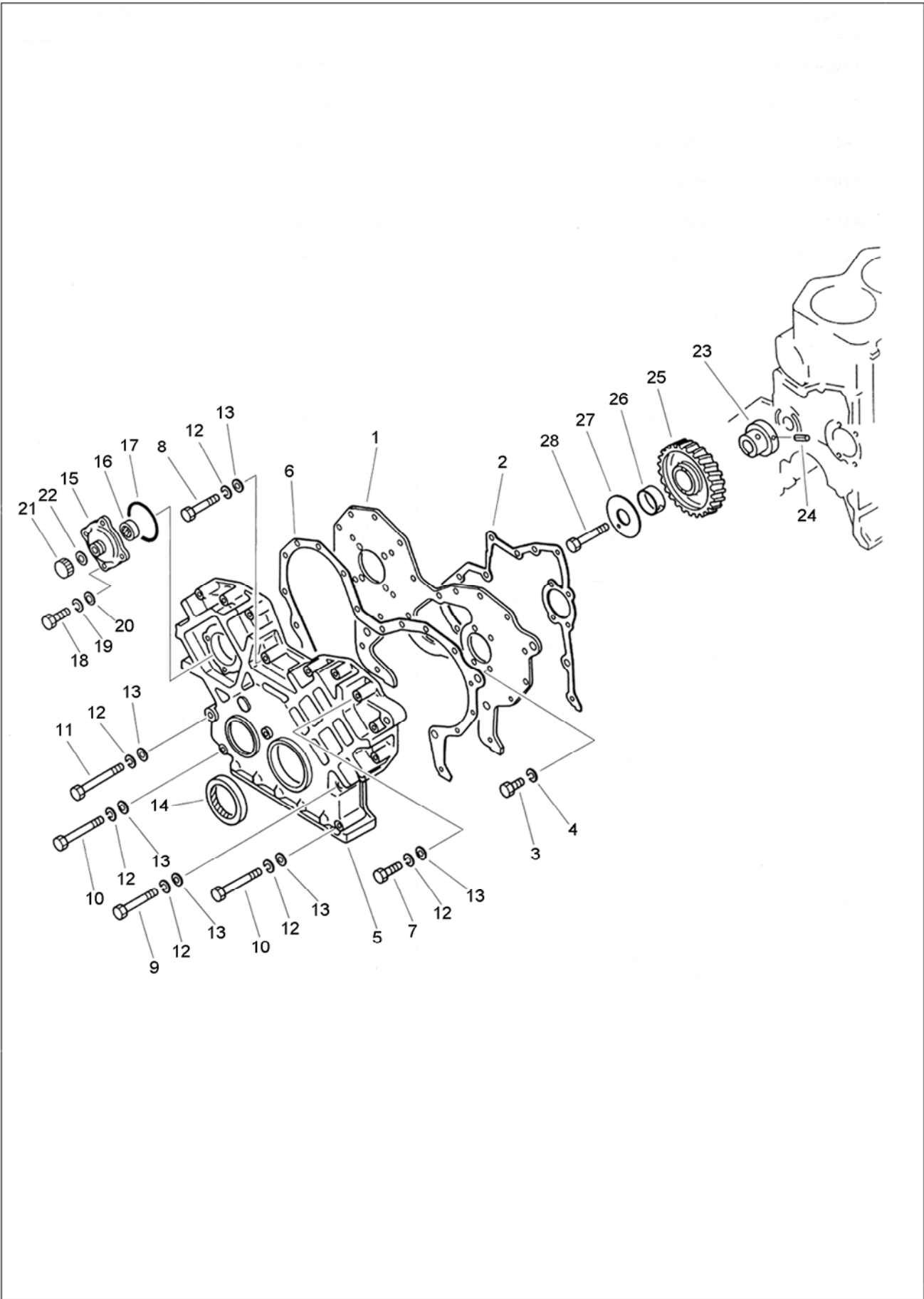
FIG. No. 2010



CYLINDER BLOCK

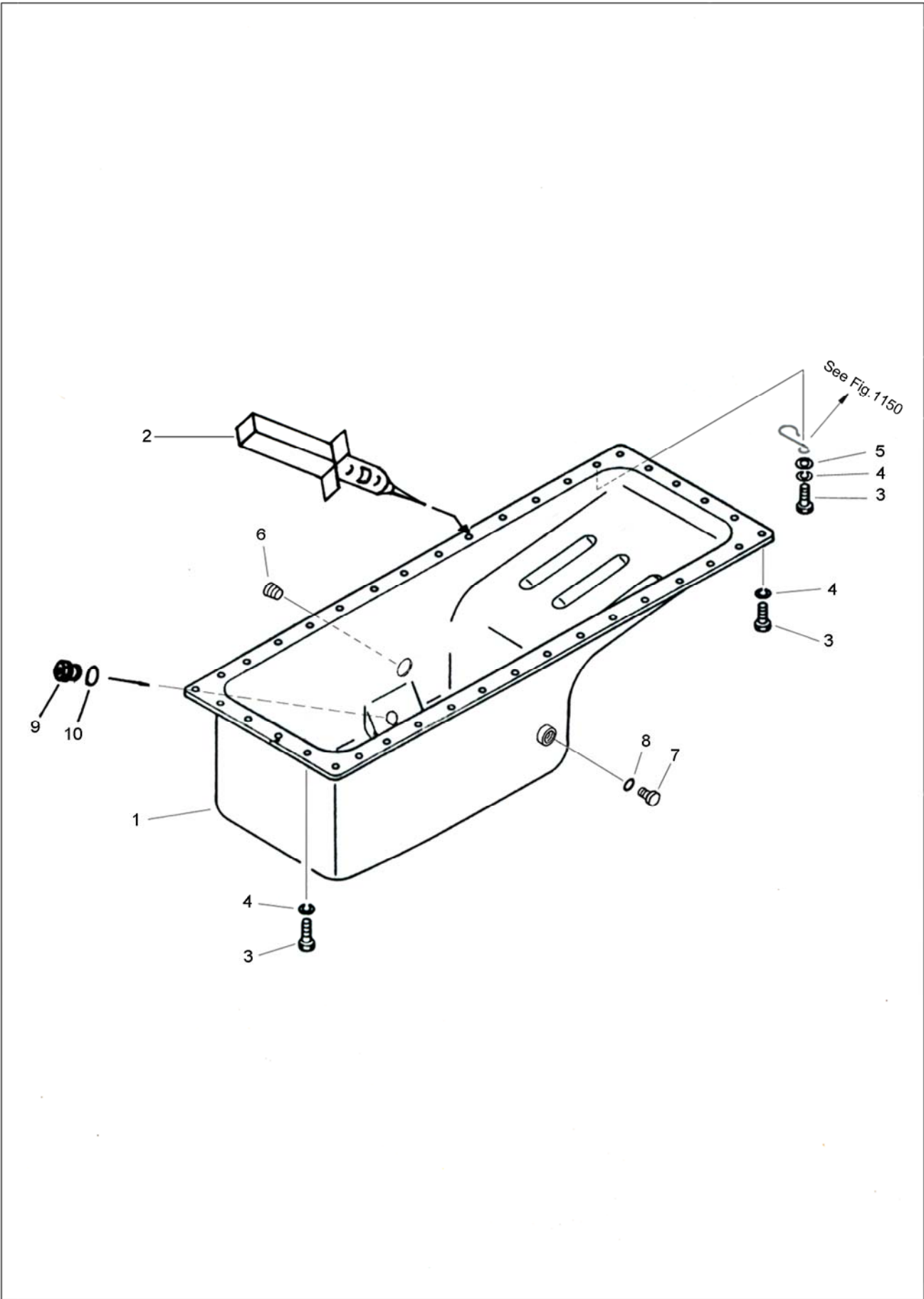
FIG. No. 2010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z2100027	CYLINDER BLOCK ASSY.	1	Z111100001-
1	*10Z2140044	. CYLINDER BLOCK	1	Z111100001-
2	10Z2180083	. BUSHING CAM	4	Z111100001-
3	10Z2140052	. CAP MAIN METAL No.1, 2, 3, 4, 5, 6	6	Z111100001-
	10Z2140206	. CAP (SF) MM NO. 1, 2, 3, 4, 5, 6	1	Z111100001-
4	10Z2140069	. CAP, MAIN METAL No.7	1	Z111100001-
	10Z2140182	. CAP, MAIN (SF) No.7	1	Z111100001-
5	CFP04-00514	. DOWEL PIN	2	Z111100001-
6	10Z2150137	. BOLT	14	Z111100001-
7	CFP13-04008	. PIN ROLL	6	Z111100001-
8	10Z2110147	. PLUG	2	Z111100001-
9	10Z2110122	. RING DOWEL	2	Z111100001-
10	CFP13-05012	. PIN SPRING	1	Z111100001-
11	CFP04-01228	. DOWEL PIN	4	Z111100001-
12	07040-11209	. PLUG	1	Z111100001-
13	CPF06-01212 K2	. GASKET	1	Z111100001-
14	CPL02-11113	. PLUG	1	Z111100001-
15	07043-50108	. PLUG	3	Z111100001-
16	CFP13-08020	. PIN SPRING	2	Z111100001-
17	11Z2140017	. CYLINDER, LINER	6	Z111100001-
18	10Z2160092 K2	. SEAL CREVICE	6	Z111100001-
19	10Z2160108 K2	. O-RING UPPER	6	Z111100001-
20	10Z2160157 K2	. O-RING LOWER	6	Z111100001-
21	10Z5110444	GUIDE,OIL GAUGE	1	Z111100001-02
21	10Z2380153	GUIDE,OIL GAUGE	1	Z111100003-
22	10Z5180259	GAUGE,OIL LEVEL	1	Z111100001-02
22	10Z2380161	GAUGE,OIL LEVEL	1	Z111100003-
23	11Z5110182	BRACKET	1	Z111100001-
24	11Z5110141	CLAMP	1	Z111100001-
25	CFS01-10820	SCREW	1	Z111100001-
26	CFN01-20868	NUT	1	Z111100001-
27	CFW01-10825	WASHER,SPRING	1	Z111100001-
28	CFW02-10816	WASHER	2	Z111100001-
29	11Z2190043	NAME PLATE	1	Z111100001-
30	04418-02550	SCREW	4	Z111100001-



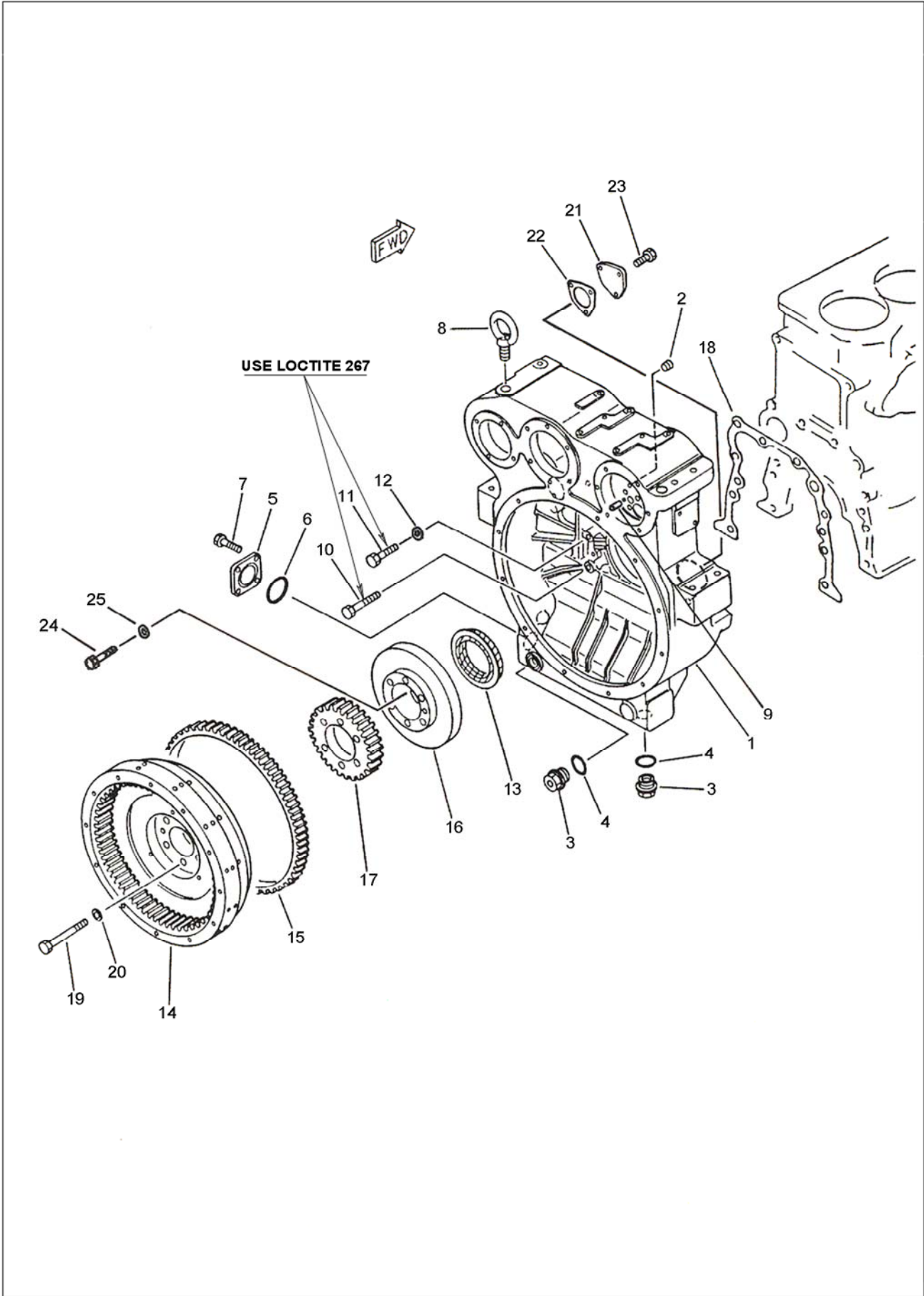
FRONT COVER AND GEAR
FIG. No. 2050

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z2310096	PLATE, FRONT	1	Z111100001-
2	10Z2370044 K2	GASKET	1	Z111100001-
3	01010-60820	BOLT	4	Z111100001-
4	CFW01-10825	WASHER, SPRING	4	Z111100001-
5	10Z2320018	COVER, FRONT	1	Z111100001-
6	10Z2370036 K2	GASKET	1	Z111100001-
7	CFB01-20855	BOLT	10	Z111100001-
8	CFB01-20865	BOLT	4	Z111100001-
9	CFB01-20875	BOLT	1	Z111100001-
10	CFB01-20890	BOLT	2	Z111100001-
11	01010-60895	BOLT	1	Z111100001-
12	CFW01-10825	WASHER, SPRING	18	Z111100001-
13	CFW02-10816	WASHER	18	Z111100001-
14	10Z2380064 K2	SEAL FRONT	1	Z111100001-
15	10Z2120012	COVER, BEARING	1	Z111100001-
16	30Z7180433 K2	SEAL, OIL	1	Z111100001-
17	07000-02070 K2	O-RING	1	Z111100001-
18	ZFB46-20825	BOLT	4	Z111100001-
19	CFW01-10825	WASHER, SPRING	4	Z111100001-
20	CFW02-10816	WASHER	4	Z111100001-
21	30Z7190526	CAP	1	Z111100001-
22	30Z7160337 K2	GASKET	1	Z111100001-
23	10Z2310103	SHAFT IDLE	1	Z111100001-
24	CFP13-03016	PIN, SPRING	1	Z111100001-
	10Z2300027	GEAR ASSY.	1	Z111100001-
25	*10Z2350078	• GEAR IDLER	1	Z111100001-
26	10Z2380056	• BUSHING	1	Z111100001-
27	10Z2310088	WASHER	1	Z111100001-
28	ZFB46-21280	BOLT	1	Z111100001-



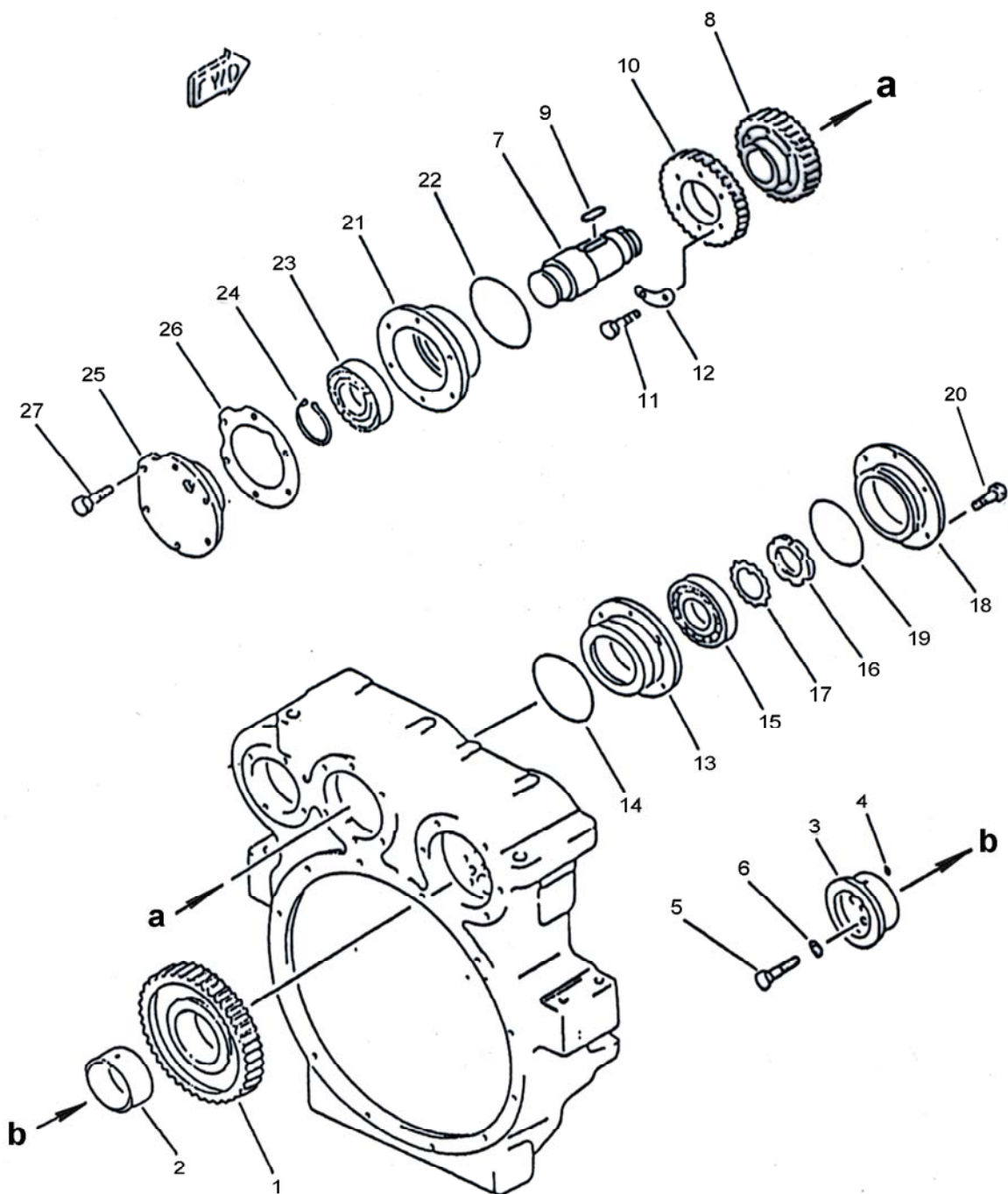
OIL PAN**FIG. No. 2110**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	10Z5130143	PAN OIL	1	Z111100001-
2	C6011-81000 K2	LG7	1	Z111100001-
3	ZFB46-10820	BOLT	38	Z111100001-
4	CFW01-10825	WASHER,SPRING	38	Z111100001-
5	CFW02-10816	WASHER	1	Z111100001-
6	02720-20810	PLUG	1	Z111100001-
7	07040-11612	PLUG	1	Z111100001-
8	07002-01623 K2	O-RING	1	Z111100001-
9	CPL03-12412	PLUG DRAIN	1	Z111100001-
10	07002-02434 K2	O-RING	1	Z111100001-



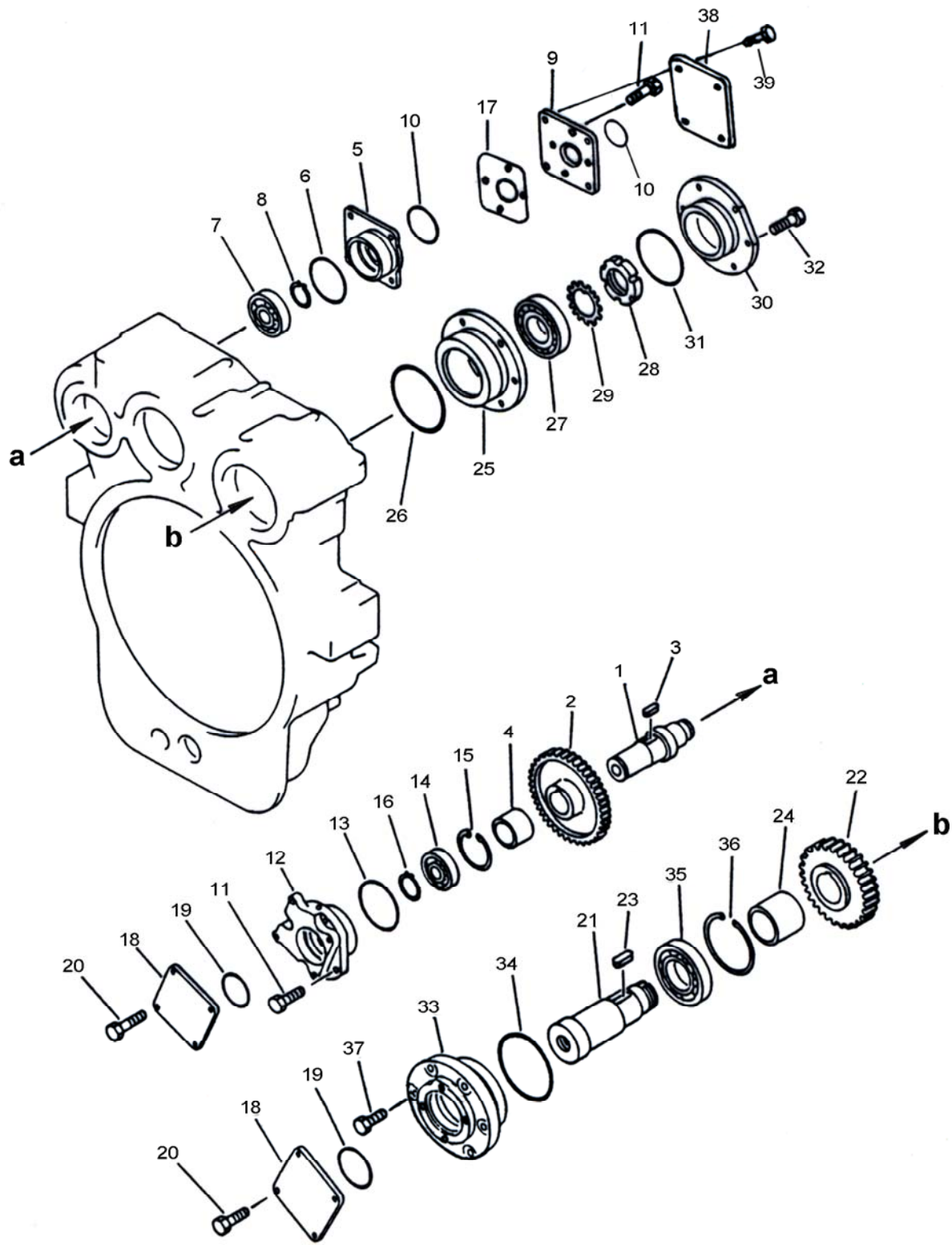
FLYWHEEL & FLYWHEEL HOUSING
FIG. No. 2210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z3240119	HOUSING, FLY WHEEL	1	Z111100001-
2	CPL01-10810	PLUG	1	Z111100001-
3	07044-12412	PLUG	2	Z111100001-
4	07002-02434 K2	O-RING	2	Z111100001-
5	33Z3210022	COVER	1	Z111100001-
6	07000-62060 k2	O-RING	1	Z111100001-
7	CFB07-21430	BOLT	4	Z111100001-
8	04530-02438	BOLT,EYE	2	Z111100001-
9	CFP04-00514	PIN,DOWEL	1	Z111100001-
10	ZFB46-21255	BOLT	2	Z111100001-
11	ZFB46-11235	BOLT	7	Z111100001-
12	CFW05-12032	WASHER	7	Z111100001-
13	10Z3280047 K2	SEAL,REAR	1	Z111100001-
	11Z3200194	FLYWHEEL ASSY.		Z111100001-
14	11Z3240208	• FLYWHEEL	1	Z111100001-
15	30Z3250459	• GEAR	1	Z111100001-
16	11Z3210213	SPACER	1	Z111100001-
17	30Z3250491	GEAR	1	Z111100001-
18	11Z3270049 K2	GASKET	1	Z111100001-
19	CFB01-21670	BOLT	6	Z111100001-
20	30Z3210128	WASHER	6	Z111100001-
21	11Z3210124	PLATE	1	Z111100001-
22	11Z3270138 K2	GASKET	1	Z111100001-
23	01010-61625	BOLT	3	Z111100001-
24	CFB17-51435	BOLT	6	Z111100001-
25	10Z3210054	WASHER	6	Z111100001-



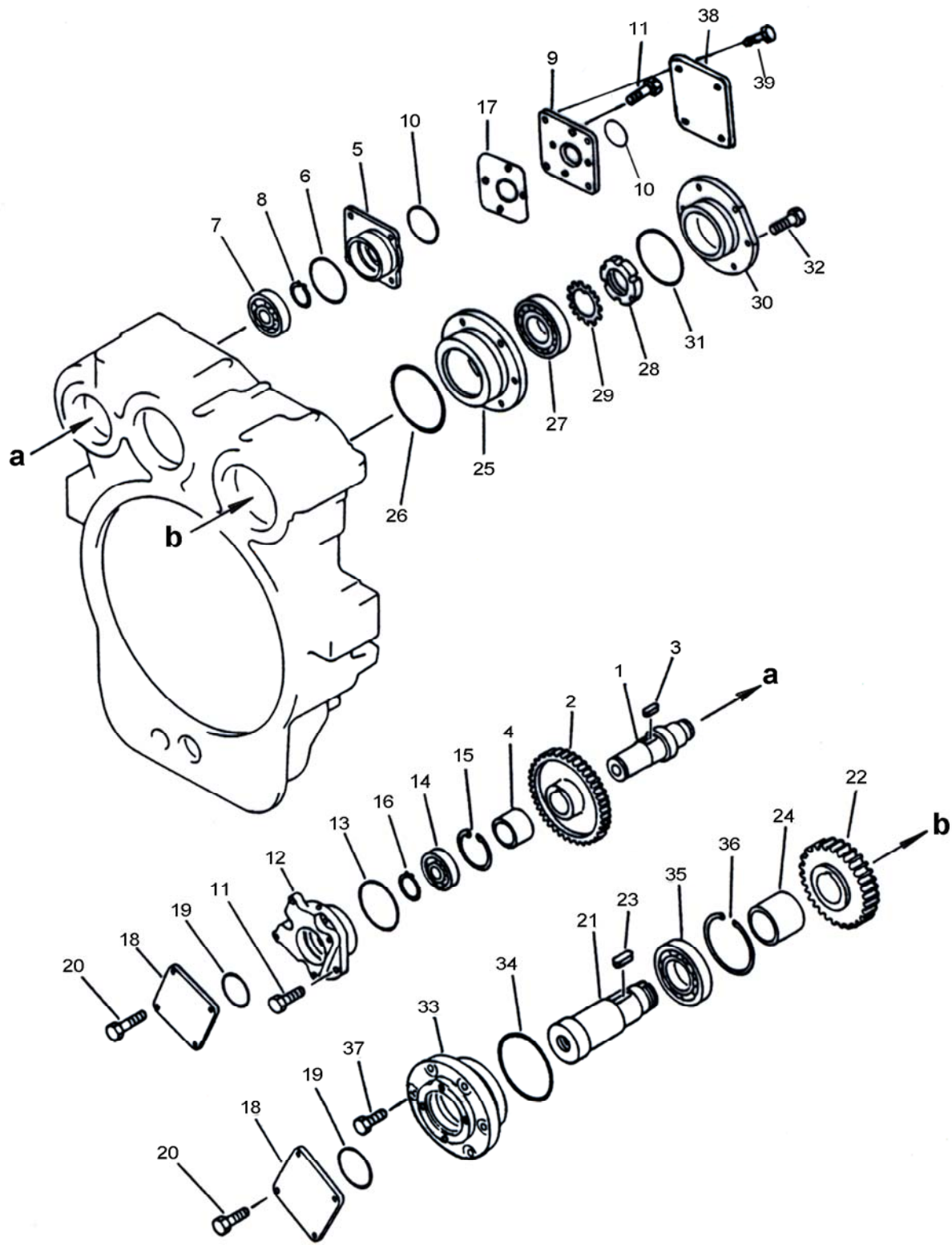
POWER TAKE OFF
FIG. No. 2230

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	30Z3250467	GEAR,IDLE	1	Z111100001-
2	30Z3280575	BUSHING	1	Z111100001-
3	30Z3210096	SHAFT, IDLER GEAR	1	Z111100001-
4	07000-02010 K3	O-RING	1	Z111100001-
5	30Z3210169	BOLT	3	Z111100001-
6	30Z3210152	WASHER	3	Z111100001-
7	33Z3210039	SHAFT	1	Z111100001-
8	30Z3250475	GEAR	1	Z111100001-
9	04000-01865	KEY	1	Z111100001-
10	30Z3250434	GEAR	1	Z111100001-
11	CFB17-51045	BOLT	6	Z111100001-
12	30Z3210185 K3	WASHER,LOCK	3	Z111100001-
13	33Z3240041	CASE,BEARING	1	Z111100001-
14	30Z3260502 K3	O-RING	1	Z111100001-
15	06001-00213	BEARING, BALL	1	Z111100001-
16	01530-06214	NUT	1	Z111100001-
17	01658-26223 K3	WASHER,LOCK	1	Z111100001-
18	30Z3240366	COVER	1	Z111100001-
19	07000-65110 K3	O-RING	1	Z111100001-
20	CFS01-31235	SCREW	5	Z111100001-
21	33Z3240277	CASE, BEARING	1	Z111100001-
22	30Z3260527 K3	O-RING	1	Z111100001-
23	06000-06213	BEARING,BALL	1	Z111100001-
24	04064-06525	RING,SNAP	1	Z111100001-
25	33Z3240058	COVER	1	Z111100001-
26	33Z3270311 K3	GASKET	1	Z111100001-
27	CFB01-21240	BOLT	6	Z111100001-



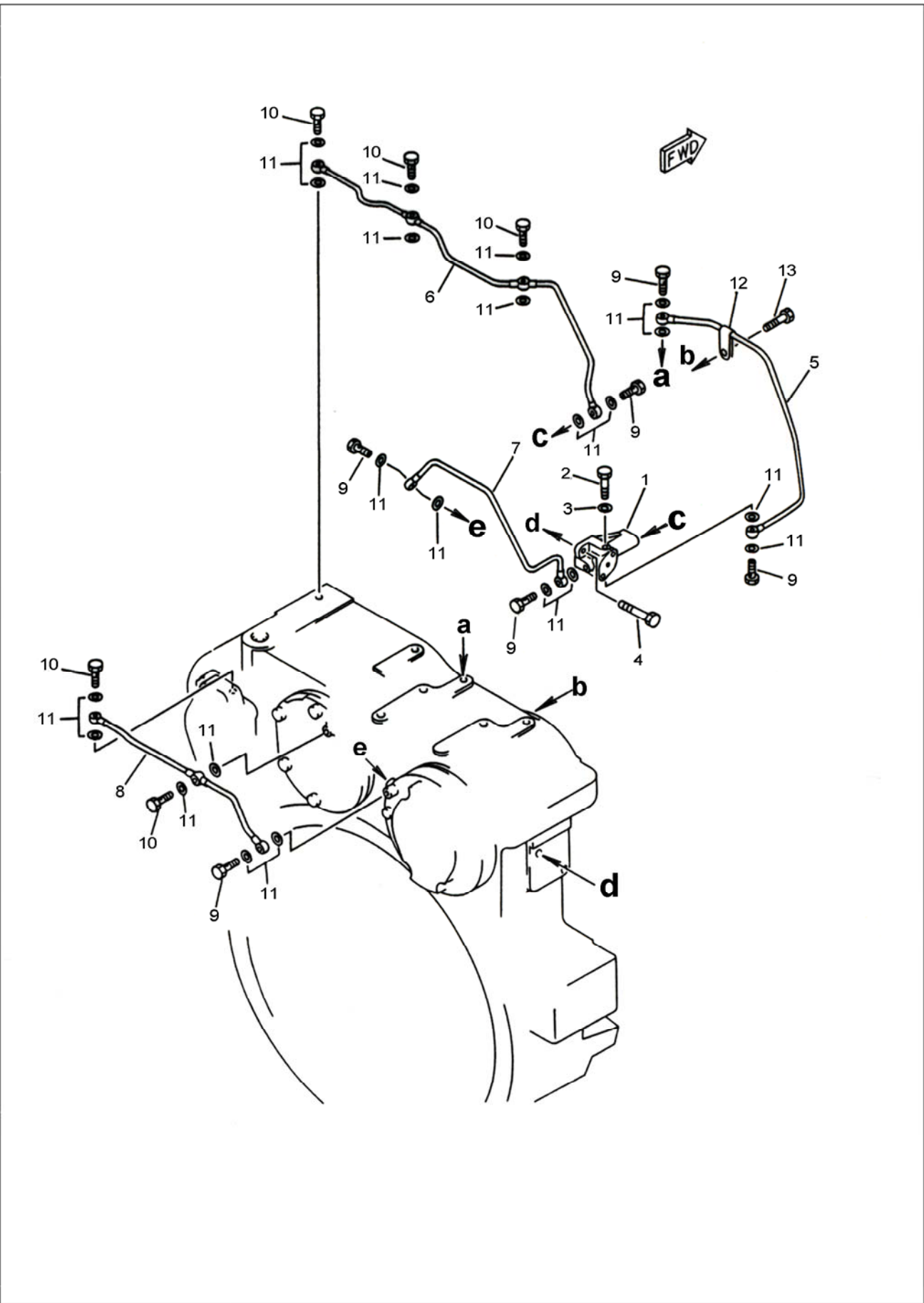
POWER TAKE OFF
FIG. No. 2231

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z3210157	SHAFT SPLINE	1	Z111100001-
2	30Z3250442	GEAR	1	Z111100001-
3	04000-01235	KEY	1	Z111100001-
4	30Z3210217	SPACER	1	Z111100001-
5	30Z3240399	CASE BEARING	1	Z111100001-
6	07000-63088	K3 O-RING	1	Z111100001-
7	06000-06208	BEARING BALL	1	Z111100001-
8	CFL01-14018	SNAP RING	1	Z111100001-
9	11Z3210165	ADAPTOR	1	Z111100001-
10	07000-62075	K3 O-RING	2	Z111100001-
11	CFB01-21025	BOLT	8	Z111100001-
12	30Z3240414	CASE BEARING	1	Z111100001-
13	07000-62095	K3 O-RING	1	Z111100001-
14	06000-06209	BEARING BALL	1	Z111100001-
15	CFL02-18530	SNAP RING	1	Z111100001-
16	CFL01-14518	SNAP RING	1	Z111100001-
17	11Z3270187	K3 GASKET	1	Z111100001-
18	30Z3210622	COVER(DUMMY)	2	Z111100001-
19	07000-62075	K3 O-RING	2	Z111100001-
20	CFB01-21030	BOLT	8	Z111100001-
21	11Z3210149	SHAFT SPLINE	1	Z111100001-
22	30Z3250483	GEAR PUMP DRIVE	1	Z111100001-
23	CFK01-18050	KEY	1	Z111100001-
24	30Z3210209	SPACER	1	Z111100001-
25	30Z3240382	COVER BEARING	1	Z111100001-
26	30Z3260527	K3 O-RING	1	Z111100001-
27	06001-00213	METAL BALL	1	Z111100001-
28	01530-06214	NUT	1	Z111100001-
29	01658-26223	K3 LOCK	1	Z111100001-
30	30Z3240374	COVER	1	Z111100001-
31	07000-65110	K3 O-RING	1	Z111100001-
32	CFS01-31235	SCREW	5	Z111100001-
33	11Z3210173	CASE BEARING	1	Z111100001-004
33	11Z3210254	CASE BEARING	1	Z111100005-



POWER TAKE OFF)**FIG. No. 2231**

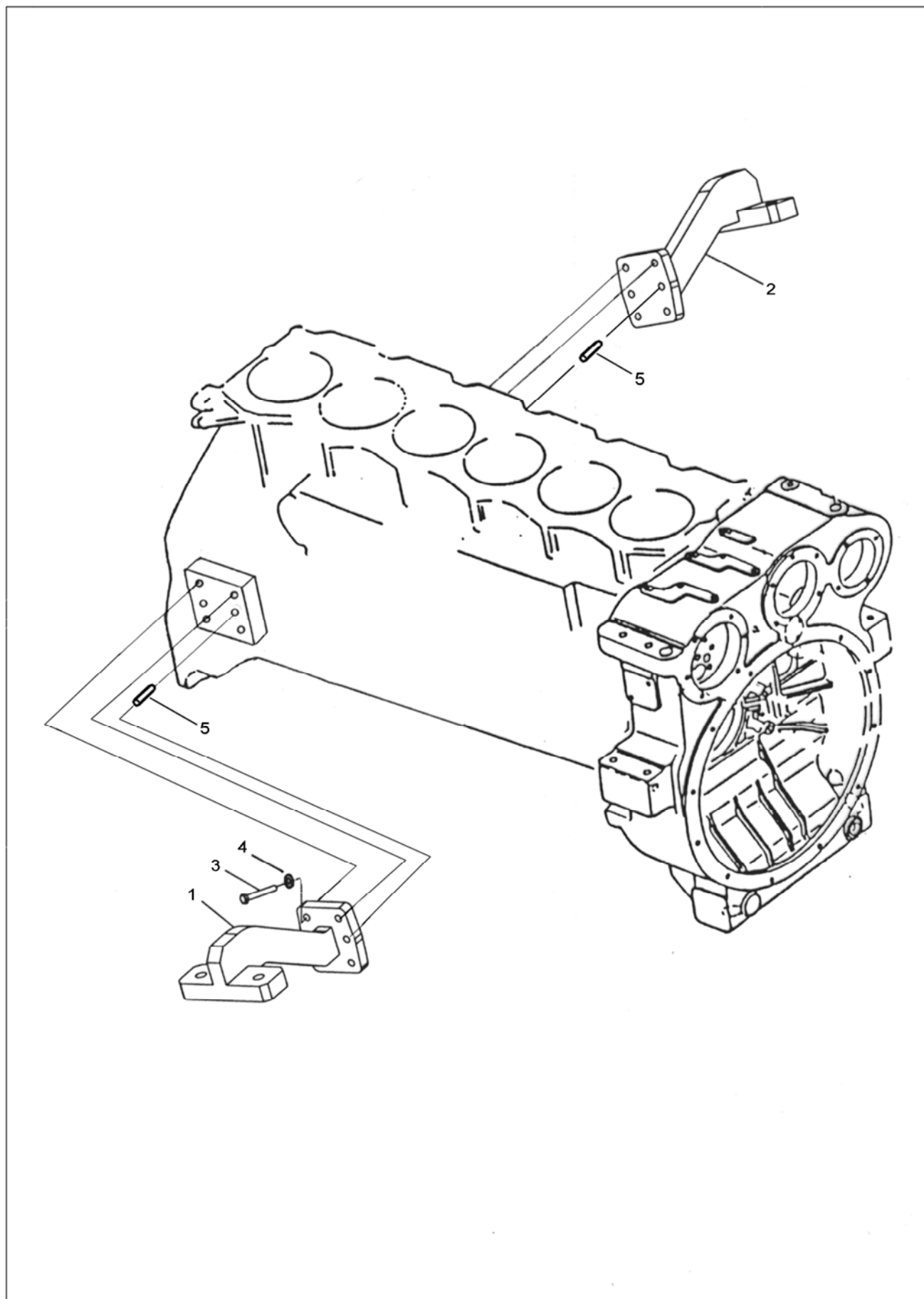
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
34	30Z3260519 K3	O-RING	1	Z111100001-
35	06000-06214	BEARING BALL	1	Z111100001-
36	04065-01254	SNAP RING	1	Z111100001-
37	CFB01-21245	BOLT	5	Z111100001-
38	11Z3210238	COVER	1	Z111100001-
39	CFS01-31016	SCREW	4	Z111100001-



P.T.O LUBRICATING OIL PIPING

FIG. No. 2232

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	30Z3240422	FLANGE,OIL INLET	1	Z111100001-
2	30Z3210258 K3	BOLT	1	Z111100001-
3	CPF06-01012	GASKET	1	Z111100001-
4	CFB01-21025	BOLT	2	Z111100001-
5	30Z3230265	TUBE	1	Z111100001-
6	30Z3230273	TUBE	1	Z111100001-
7	30Z3230281	TUBE	1	Z111100001-
8	30Z3230298	TUBE	1	Z111100001-
9	30Z3210136	BOLT	6	Z111100001-
10	30Z3210144	BOLT	5	Z111100001-
11	CPF06-01012 K3	GASKET	22	Z111100001-
12	30Z3290587	CLIP	1	Z111100001-
13	CFB01-21240	BOLT	1	Z111100001-

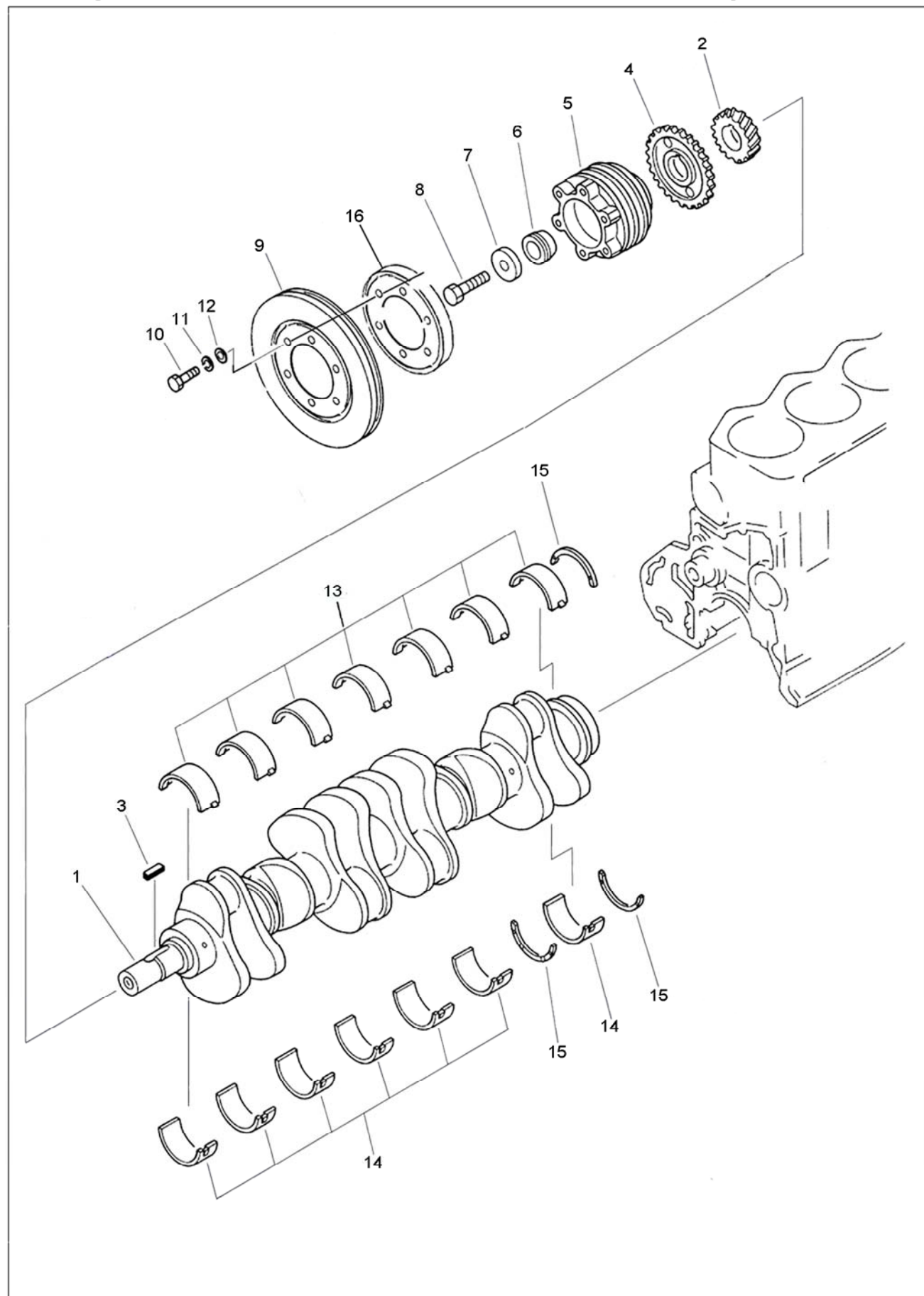


ENGINE FRONT MOUNTING UNIT**FIG. No. 2250**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z2330035	BRACKET(L.H)	1	Z111100001-
2	11Z2330043	BRACKET(R.H)	1	Z111100001-
3	CFB01-21040	BOLT	8	Z111100001-
4	CFW05-10032	WASHER	8	Z111100001-
5	CFP04-01228	DOWEL	4	Z111100001-

CRANKSHAFT & DAMPER

FIG. No. 2310



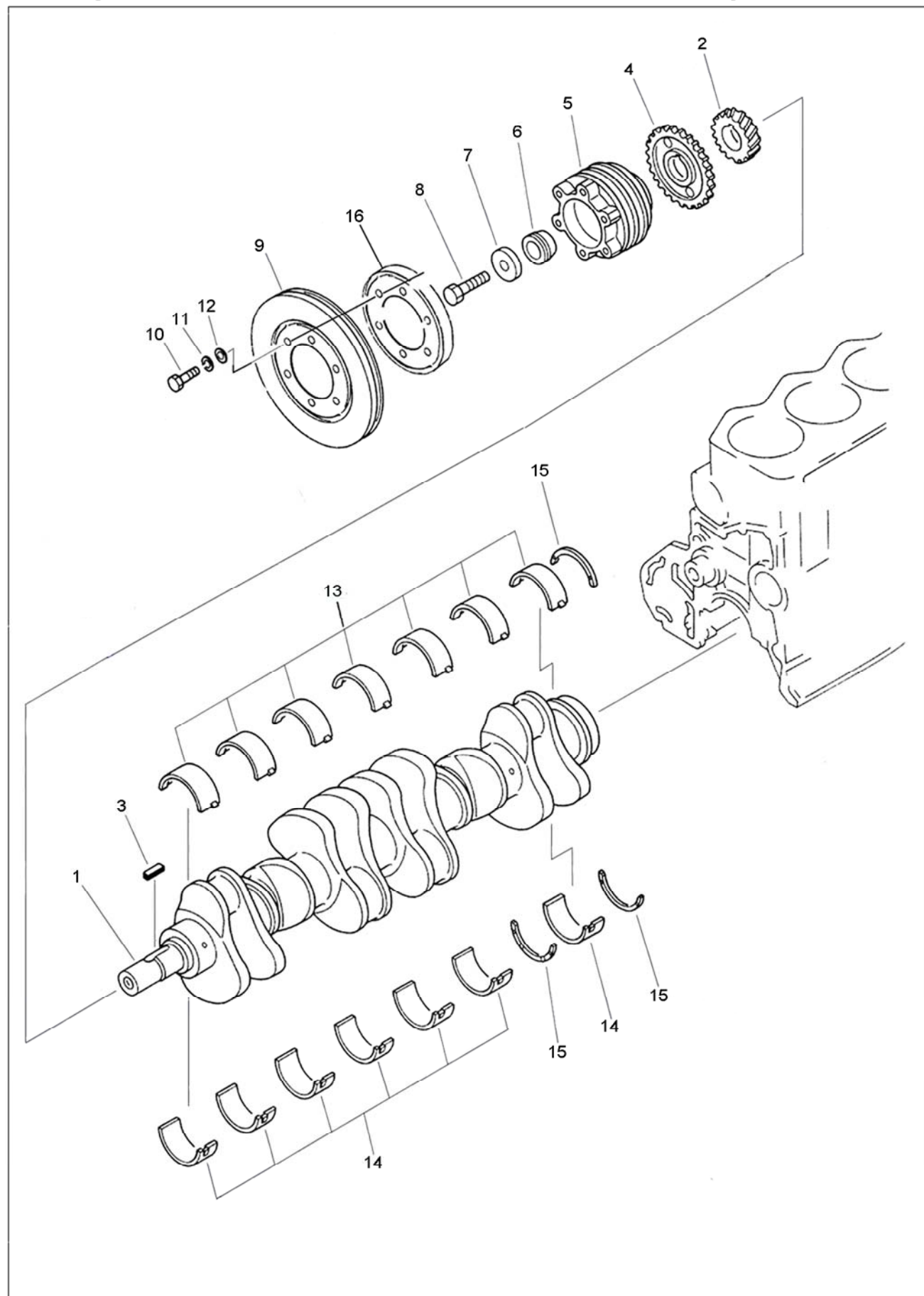
BS6D105-1(BD50)

CRANKSHAFT & DAMPER
FIG. No. 2310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z3100015	CRANK SHAFT ASSY.	1	Z111100001-
1	*10Z3150033	▪ CRANK SHAFT	1	Z111100001-
2	10Z3150236	▪ GEAR CRANK SHAFT	1	Z111100001-
3	10Z3110181	▪ KEY CRANK	1	Z111100001-
4	10Z3150203	GEAR PUMP DRIVE	1	Z111100001-
5	11Z3140027	PULLEY	1	Z111100001-
6	10Z3110246	COLLER TAPER	1	Z111100001-
7	10Z3110198	PLATE	1	Z111100001-
8	CFB17-51845	K2 BOLT	1	Z111100001-
9	10Z3180174	DAMPER	1	Z111100001-004
9	10Z3180896	DAMPER VISCOUS	1	Z111100005-
10	CFS01-31235	SCREW	6	Z111100001-
11	CFW01-11236	WASHER SPRING	6	Z111100001-
12	CFW05-12032	WASHER	6	Z111100001-
	10Z3100818	BEARING MAIN ENG SET STD	1	Z111100001-
	10Z3180255	▪ BEARING MAIN ONE PAIR STD	7	Z111100001-
13	*10Z3180263	.. BEARING MAIN UPPER STD	1	Z111100001-
14	*10Z3180271	.. BEARING MAIN LOWER STD	1	Z111100001-
	10Z3180288	▪ BEARING THRUST ONE SET STD	1	Z111100001-
15	*10Z3180133	.. BEARING THRUST STD	3	Z111100001-
	10Z3100834	BEARING MAIN ONE PAIR U/S 0.25	7	Z111100001-
13	*10Z3180725	▪ BEARING MAIN UPPER U/S 0.25	1	Z111100001-
14	*10Z3180766	▪ BEARING MAIN LOWER U/S 0.25	1	Z111100001-
	10Z3180417	BEARING THRUST O/S 0.25 1SET	1	Z111100001-
15	*10Z3180425	▪ BEARING THRUST O/S 0.25	3	Z111100001-
	10Z3100842	BEARING MAIN ONE PAIR U/S 0.50	7	Z111100001-
13	*10Z3180733	▪ BEARING MAIN UPPER U/S 0.50	1	Z111100001-
14	*10Z3180774	▪ BEARING MAIN LOWER U/S 0.50	1	Z111100001-
	10Z3180433	BEARING THRUST O/S 0.50 1SET	1	Z111100001-
15	*10Z3180441	▪ BEARING THRUST O/S 0.50	3	Z111100001-
	10Z3100859	BEARING MAIN ONE PAIR U/S 0.75	7	Z111100001-
13	*10Z3180741	▪ BEARING MAIN UPPER U/S 0.75	1	Z111100001-
14	*10Z3180782	▪ BEARING MAIN LOWER U/S 0.75	1	Z111100001-

CRANKSHAFT & DAMPER

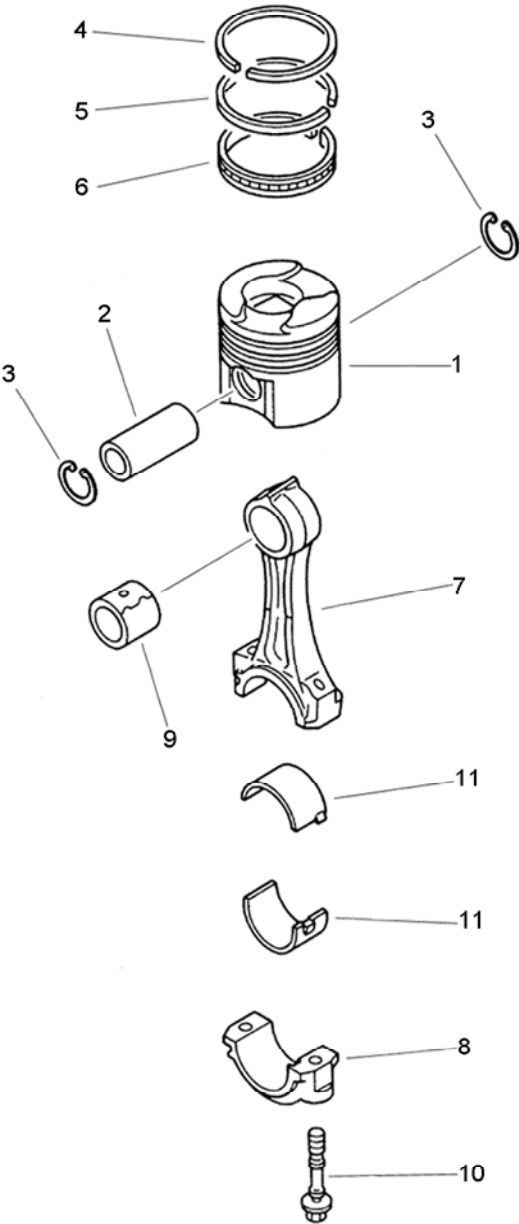
FIG. No. 2310



BS6D105-1(BD50)

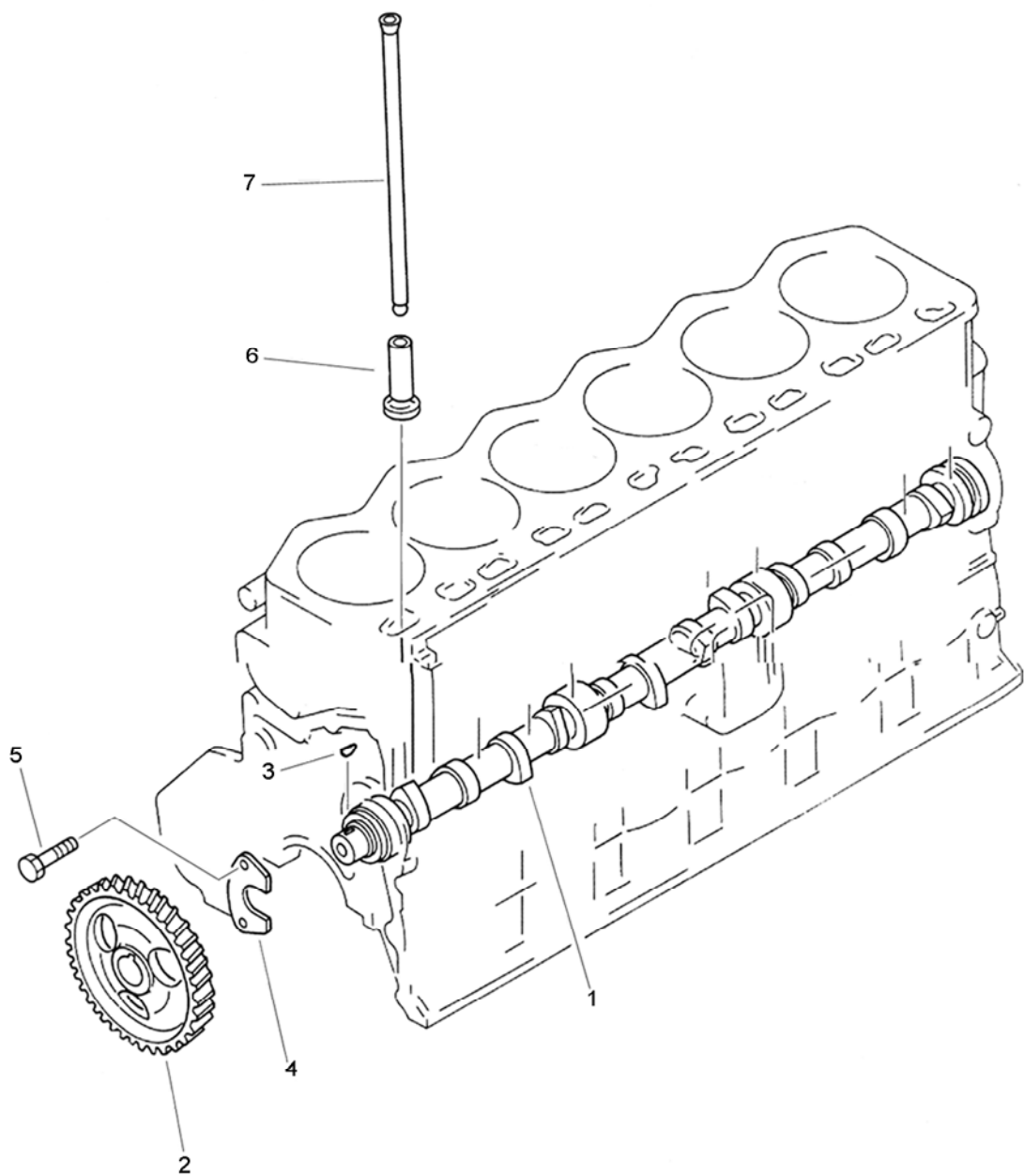
CRANKSHAFT & DAMPER**FIG. No. 2310**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z3180458	BEARING THRUST O/S 0.75 1SET	1	Z111100001-
15	*10Z3180466	▪ BEARING THRUST O/S 0.75	3	Z111100001-
	10Z3100867	BEARING MAIN ONE PAIR U/S 1.00	7	Z111100001-
13	*10Z3180758	▪ BEARING MAIN UPPER U/S 1.00	1	Z111100001-
14	*10Z3180799	▪ BEARING MAIN LOWER U/S 1.00	1	Z111100001-
	10Z3180474	BEARING THRUST O/S 1.00 1SET	1	Z111100001-
15	*10Z3180482	▪ BEARING THRUST O/S 1.00	3	Z111100001-
16	10Z3140913	ADAPTER DAMPER MTG.	1	Z111100001-



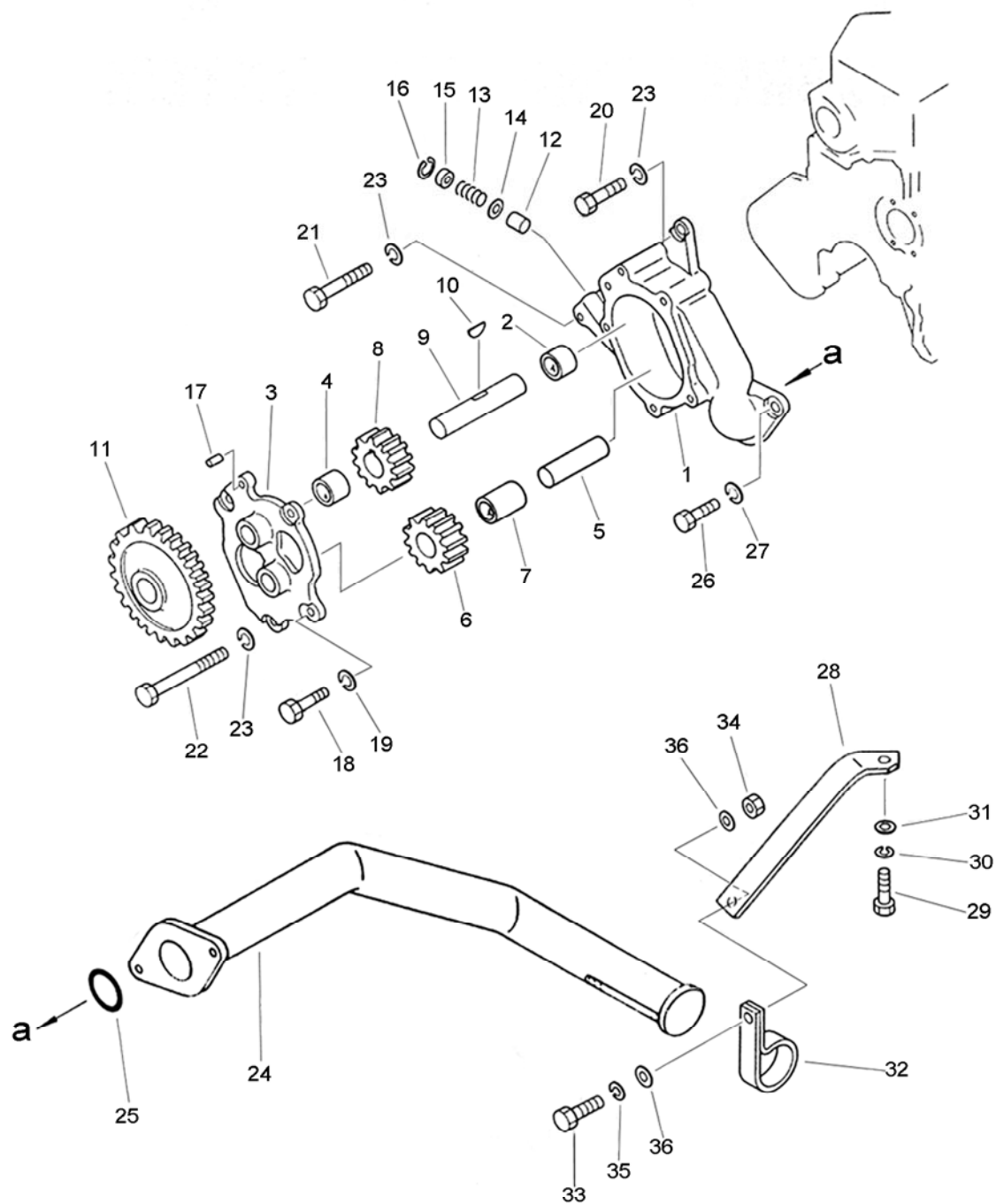
PISTON & CONNECTING ROD
FIG. No. 2350

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z3180066	PISTON	6	Z111100001-
2	11Z3110073	PIN, PISTON	6	Z111100001-
3	CFL02-14018	RING, SNAP	12	Z111100001-
	11Z3180082	PISTON RING ASSY.	6	Z111100001-
4	*11Z3180058	• RING, TOP	1	Z111100001-
5	*11Z3180017	• RING, PISTON SECOND	1	Z111100001-
6	*11Z3180041	• RING, OIL	1	Z111100001-
	10Z3100023	CON ROD ASSY.	6	Z111100001-
7	*10Z3150058	• CON. ROD	1	Z111100001-
8	*10Z3150041	• CAP ,CON ROD	1	Z111100001-
9	10Z3180125	• BUSHING	1	Z111100001-
10	10Z3150211	• BOLT, CON ROD	2	Z111100001-
11	10Z3180669	• BEARING,CR PIN, STD	12	Z111100001-
11	10Z3180685	• BEARING,CR PIN, U/S 0.25MM	12	Z111100001-
11	10Z3180693	• BEARING,CR PIN, U/S 0.50MM	12	Z111100001-
11	10Z3180709	• BEARING,CR PIN, U/S 0.75MM	12	Z111100001-
11	10Z3180717	• BEARING,CR PIN, U/S 1.00MM	12	Z111100001-



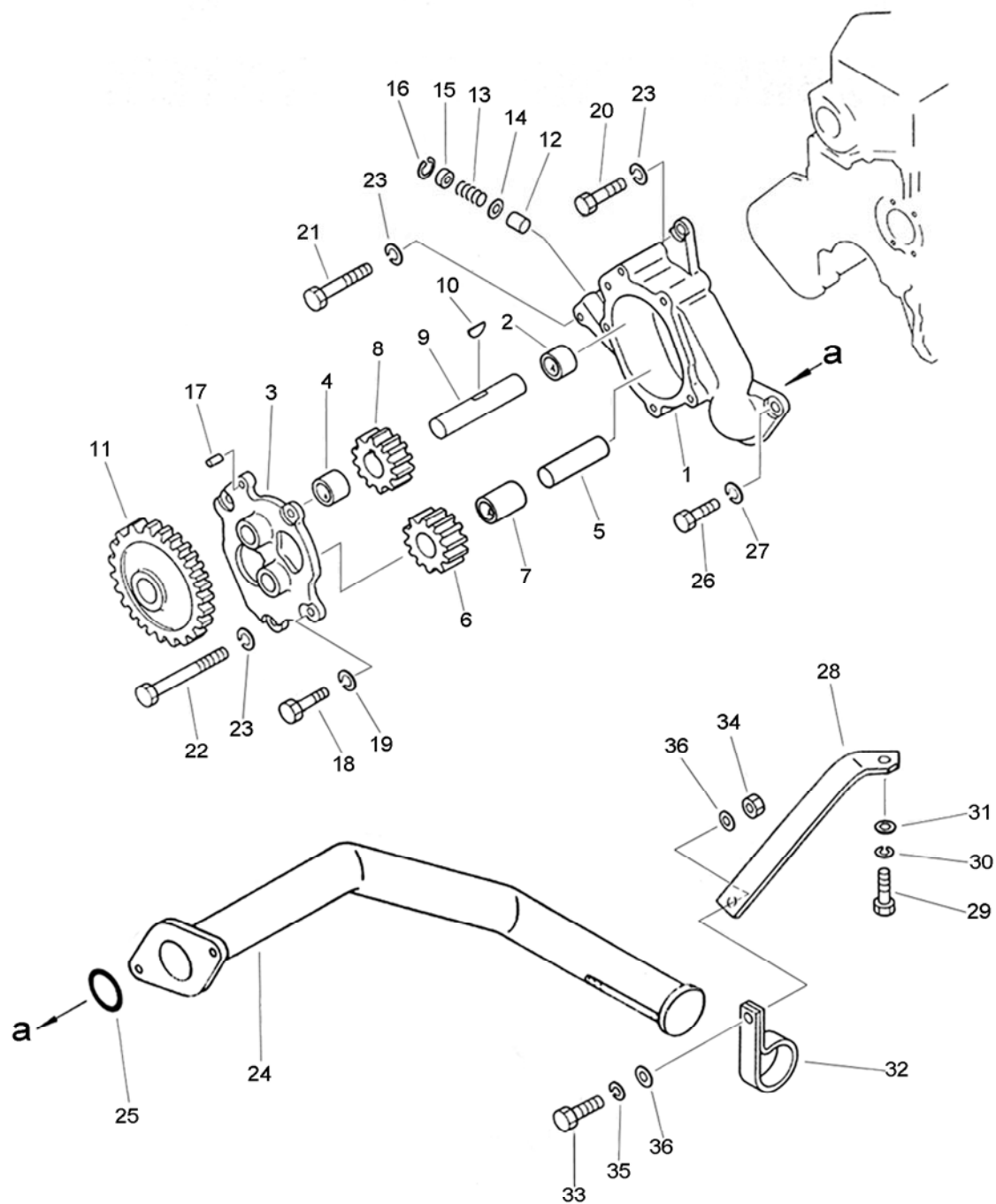
CAMSHAFT AND TAPPET**FIG. No. 2410**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z4100103	CAM SHAFT ASSY.	1	Z111100001-
1	*11Z4110034	• CAM SHAFT	1	Z111100001-
2	10Z4150165	• GEAR	1	Z111100001-
3	04010-00516	• KEY	1	Z111100001-
4	10Z4180102	PLATE, THRUST	1	Z111100001-
5	ZFB46-20820	BOLT	2	Z111100001-
6	11Z4110042	TAPPET	12	Z111100001-
7	10Z4110159	PUSH ROD	12	Z111100001-



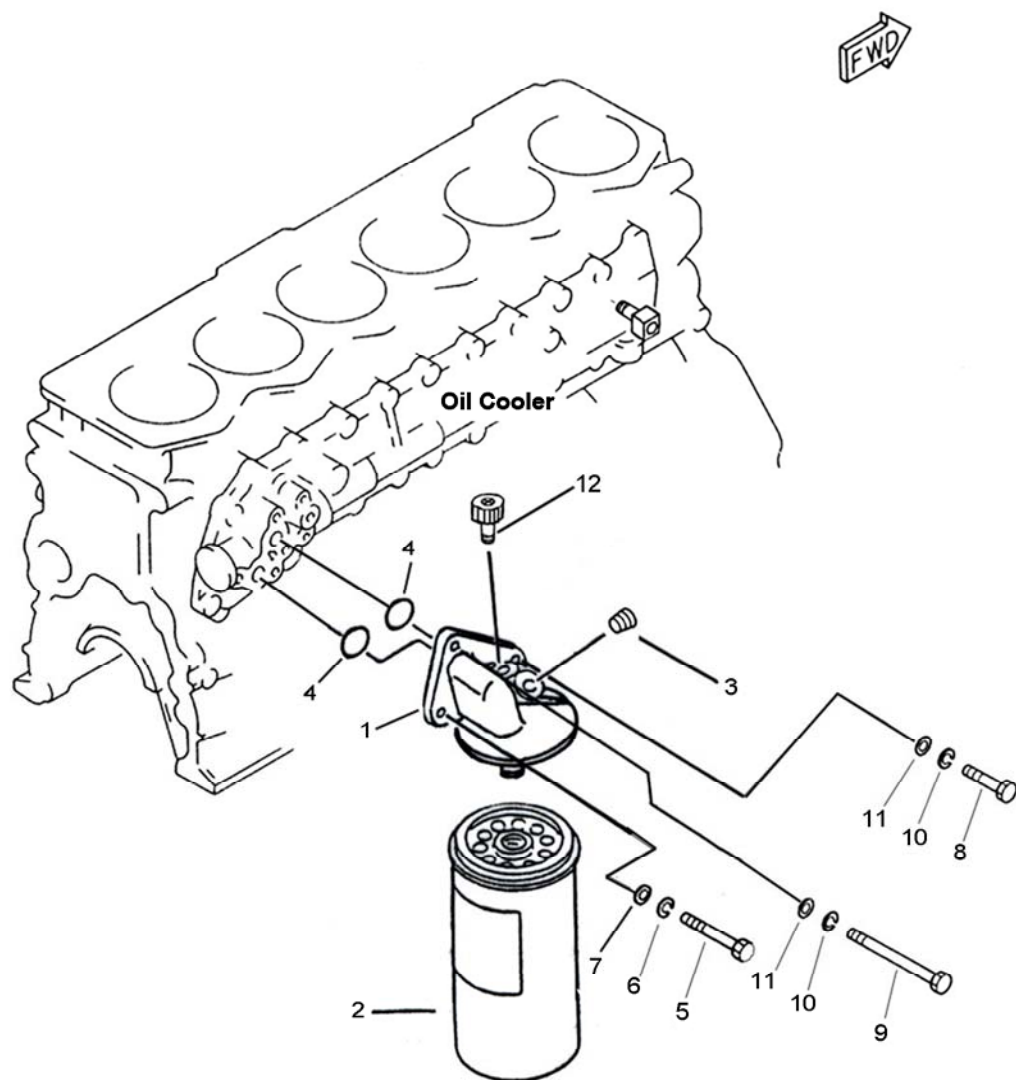
LUBRICATING OIL PUMP & SUCTION PIPE
FIG. No. 3010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z5100035	OIL PUMP ASSY.	1	Z111100001-
	10Z5100043	▪ BODY ASSY.	1	Z111100001-
1	*10Z5140188	.. BODY	1	Z111100001-
2	30Z5180502	.. BUSHING	1	Z111100001-
	10Z5100051	▪ COVER ASSY.	1	Z111100001-
3	*10Z5140196	.. COVER	1	Z111100001-
4	30Z5180519	.. BUSHING	1	Z111100001-
5	10Z5110355	.. SHAFT DRIVEN	1	Z111100001-
	10Z5100068	▪ GEAR ASSY.	1	Z111100001-
6	*10Z5180267	.. GEAR DRIVEN	1	Z111100001-
7	10Z5180275	.. BUSHING	1	Z111100001-
	10Z5100076	▪ SHAFT SUB ASSY.	1	Z111100001-
8	*10Z5180283	.. GEAR DRIVE	1	Z111100001-
9	10Z5110363	.. SHAFT	1	Z111100001-
10	CFK02-00516	.. KEY	1	Z111100001-
11	10Z5150378	▪ GEAR DRIVING	1	Z111100001-
12	30Z5110129	▪ VALVE	1	Z111100001-
13	30Z5110137	▪ SPRING	1	Z111100001-
14	10Z5180542	▪ SHIM	AR	Z111100001-
15	41Z5110099	▪ RETAINER	1	Z111100001-
16	CFL02-11610	▪ RING SNAP	1	Z111100001-
17	30Z5110112	▪ PIN	1	Z111100001-
18	CFS01-30820	▪ SCREW	3	Z111100001-
19	CFW01-10825	▪ WASHER SPRING	3	Z111100001-
20	CFB01-20830	BOLT	1	Z111100001-
21	CFB01-20845	BOLT	1	Z111100001-
22	CFB01-20855	BOLT	1	Z111100001-
23	CFW01-10825	WASHER SPRING	3	Z111100001-
24	10Z5130168	PIPE OIL SUCTION.	1	Z111100001-
25	07000-63035	K2 O-RING	1	Z111100001-
26	ZFB46-10820	BOLT	2	Z111100001-
27	CFW01-10825	WASHER SPRING	2	Z111100001-
28	10Z5110436	BRACKET	1	Z111100001-
29	CFB01-21020	BOLT	1	Z111100001-



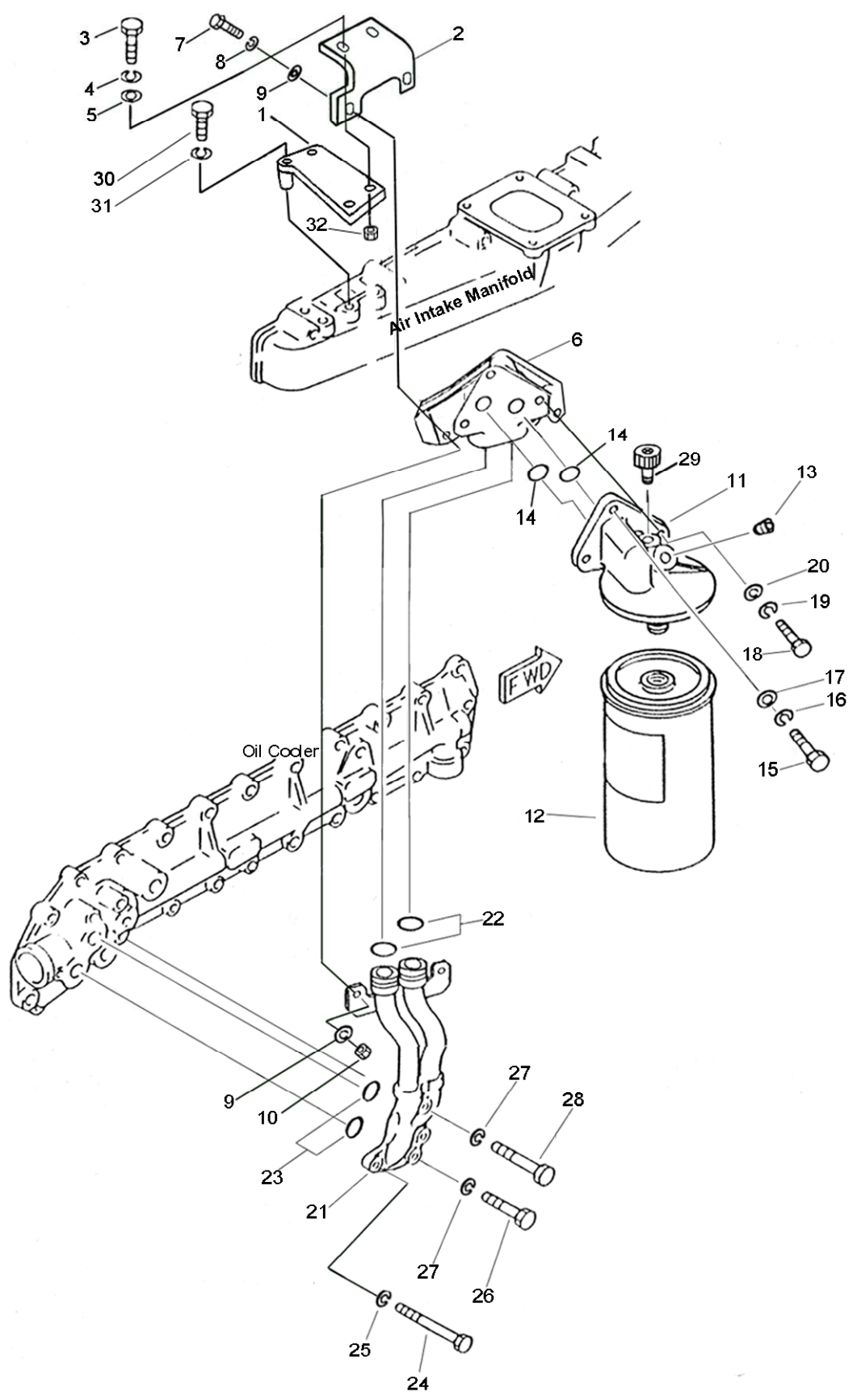
LUBRICATING OIL PUMP & SUCTION PIPE**FIG. No. 10**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
30	CFW01-11030	WASHER SPRING	1	Z111100001-
31	CFW02-11020	WASHER	1	Z111100001-
32	10Z5110388	CLAMP	1	Z111100001-
33	CFS01-30825	SCREW	1	Z111100001-
34	CFN01-20868	NUT	1	Z111100001-
35	CFW01-10825	WASHER SPRING	1	Z111100001-
36	CFW02-10816	WASHER	2	Z111100001-



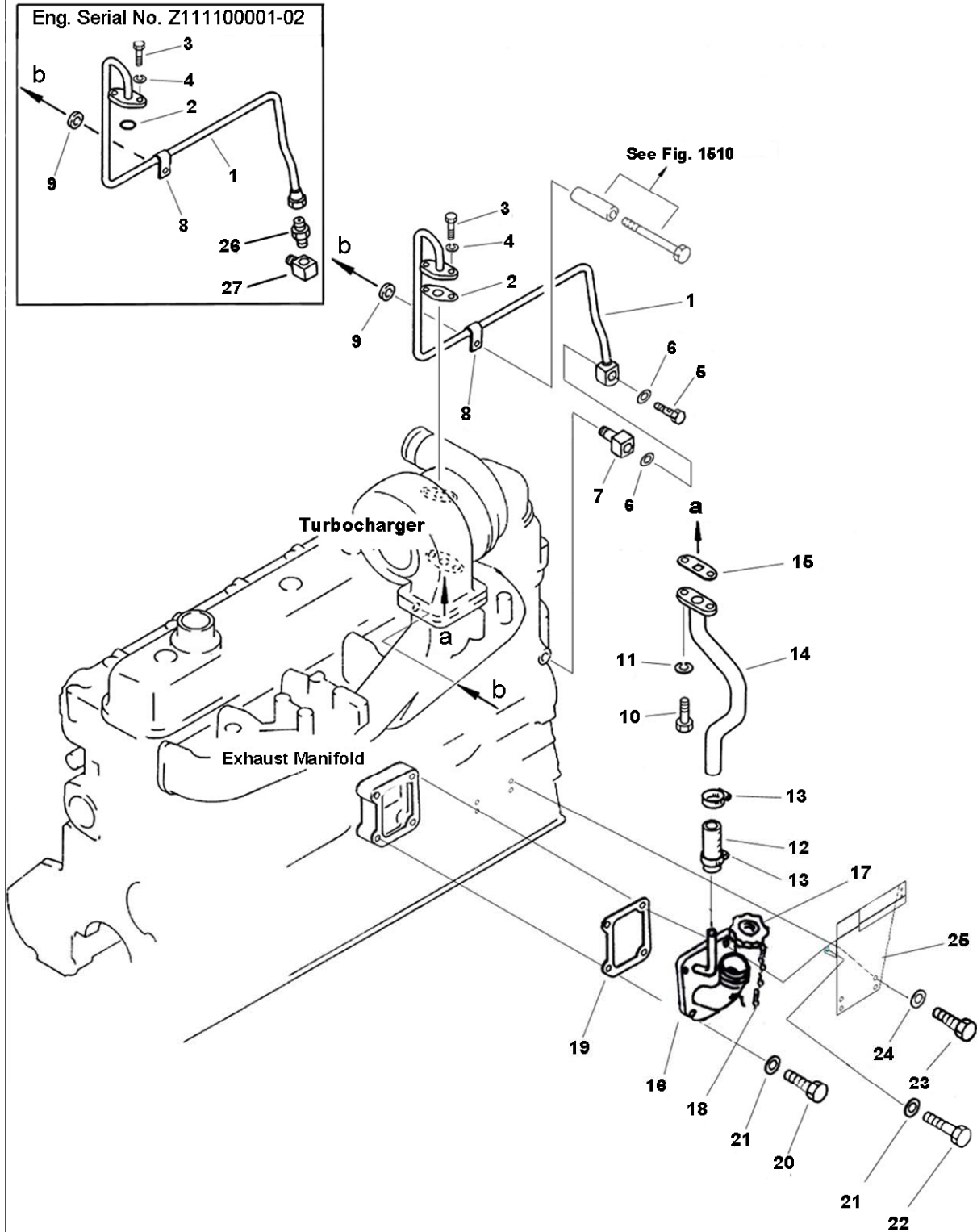
LUBRICATING OIL FILTER
FIG. No. 3110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z5100027	OIL FILTER ASSY.	1	Z111100001-
1	10Z5130151	• BRACKET	1	Z111100001-
2	30Z5180495 KS	• CARTRIDGE	1	Z111100001-
3	CPL02-10810	PLUG	1	Z111100001-
4	07000-63028 K2	O-RING	2	Z111100001-
5	CFB01-10890	BOLT	1	Z111100001-
6	CFW01-10825	WASHER, SPRING	1	Z111100001-
7	CFW02-10816	WASHER	1	Z111100001-
8	CFB01-21035	BOLT	1	Z111100001-
9	CFB02-21025	BOLT	1	Z111100001-
10	CFW01-11030	WASHER, SPRING	2	Z111100001-
11	CFW02-11020	WASHER	2	Z111100001-
12	08073-10505	SENSOR OIL PRESSURE	1	Z111100001-



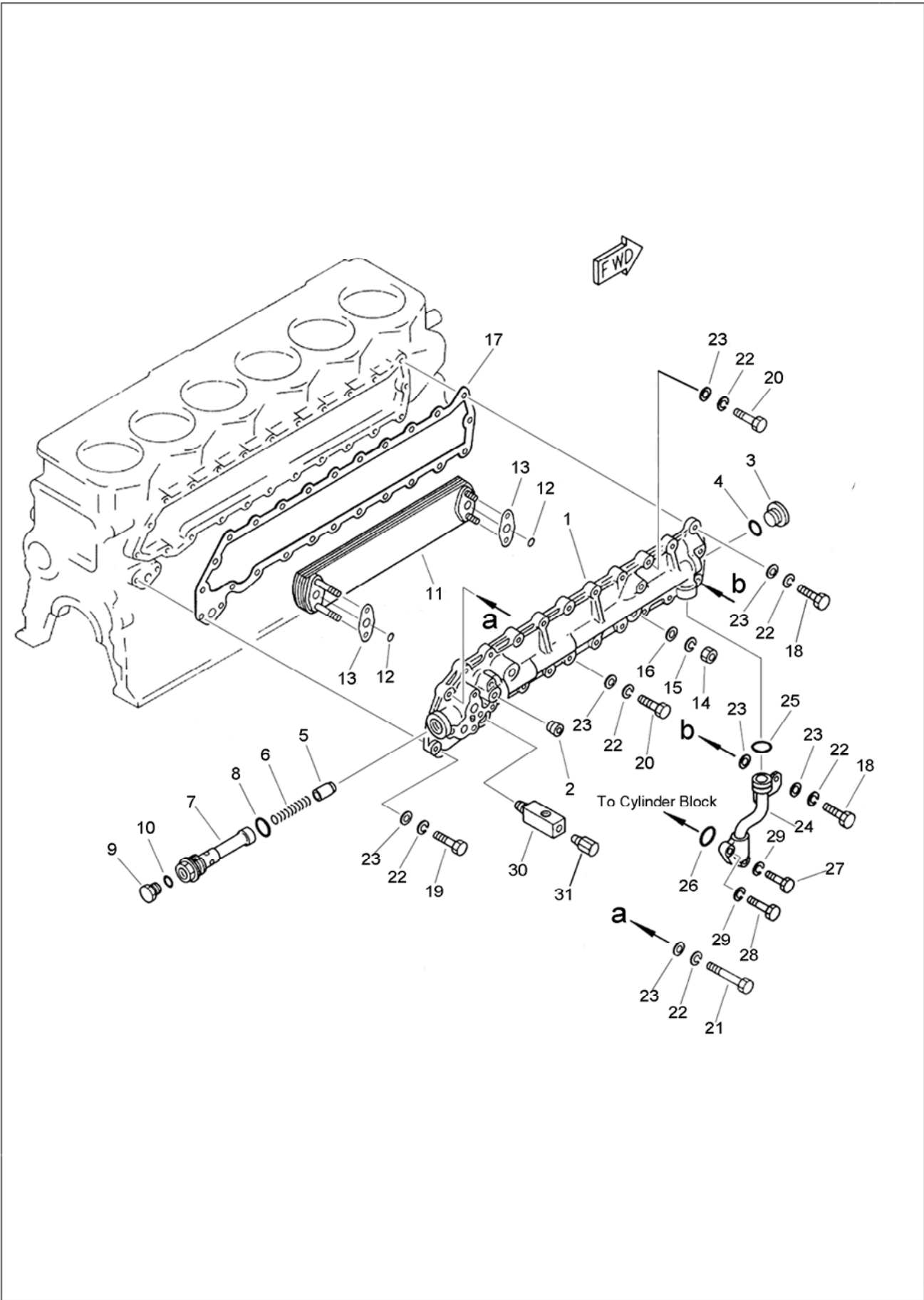
LUBRICATING OIL FILTER
FIG. No. 3112

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7130566	BRACKET (LUB OIL FILTER MOUNTING)	1	Z111100001-
2	11Z5130424	BRACKET (LUB OIL FILTER)	1	Z111100042-
3	CFB01-21235	BOLT	2	Z111100042-
4	CFW01-11236	WASHER, SPRING	2	Z111100042-
5	CFW02-11220	WASHER	2	Z111100042-
6	11Z5120445	ADAPTER	1	Z111100042-
7	CFB01-20835	BOLT	3	Z111100042-
8	CFW01-10825	WASHER, SPRING	4	Z111100042-
9	CFW02-10816	WASHER	3	Z111100042-
10	CFN01-20868	NUT	2	Z111100042-
	10Z5100027	OIL FILTER ASSY.	1	Z111100042-
11	10Z5130151	. BRACKET	1	Z111100042-
12	30Z5180495	KS . CARTRIDGE	1	Z111100042-
13	CPL02-10810	. PLUG	1	Z111100042-
14	07000-63022	K2 O-RING	2	Z111100042-
15	CFB01-21035	BOLT	2	Z111100042-
16	CFW01-11030	WASHER, SPRING	2	Z111100042-
17	CFW02-11020	WASHER	2	Z111100042-
18	CFS01-30816	SCREW	2	Z111100042-
19	CFW01-10825	WASHER, SPRING	2	Z111100042-
20	CFW02-10816	WASHER	2	Z111100042-
21	11Z5100421	PIPE, OIL	1	Z111100042-
22	07000-63022	K2 O-RING	2	Z111100042-
23	07000-63028	K2 O-RING	2	Z111100042-
24	CFB01-20890	BOLT	1	Z111100042-
25	CFW01-10825	WASHER, SPRING	1	Z111100042-
26	CFB01-21035	BOLT	2	Z111100042-
27	CFW01-11030	WASHER, SPRING	3	Z111100042-
28	CFB01-21050	BOLT	1	Z111100042-
29	08073-10505	SENSOR, OIL PRESSURE.	1	Z111100042-
30	CFB01-21035	BOLT	2	Z111100042-
31	CFW01-11030	WASHER, SPRING	2	Z111100042-
32	CFN01-20868	NUT	2	Z111100042-



TURBOCHARGER LUBRICATING OIL PIPING
FIG. No. 3250

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8130032	PIPE INLET	1	Z111100001-02
1	11Z1200303	PIPE INLET	1	Z111100003-
2	11Z1270231 K1	GASKET, OIL INLET	1	Z111100001-
3	CFS01-30825	SCREW	2	Z111100001-
4	CFW01-10825	WASHER, SPRING	2	Z111100001-
5	CPF12-11014	BOLT, JOINT	1	Z111100001-
6	CPF06-01412 K1	GASKET	2	Z111100001-
7	11Z1210315	ADAPTOR	1	Z111100001-
8	30Z2190428	CLIP	1	Z111100001-
9	CFW05-10032	WASHER	1	Z111100001-
10	CFB01-21035	BOLT	2	Z111100001-02
10	CFS01-30825	SCREW	2	Z111100003-
11	30Z6110033	SPACER	2	Z111100001-02
11	CFW01-10825	WASHER, SPRING	2	Z111100003-
12	07260-22008	HOSE	1	Z111100001-
13	CCC01-03510	CLAMP	2	Z111100001-
14	11Z8130049	TUBE	1	Z111100001-2
14	11Z8130479	TUBE	1	Z111100003-
15	11Z8170055 K1	GASKET	1	Z111100001-02
15	11Z1270248 K1	GASKET	1	Z111100003-
16	11Z2130054	• OIL FILLER PIPE	1	Z111100001-
17	30Z2180335	• CAP ASSY	1	Z111100001-
	41Z2160249	•• GASKET (NOT SHOWN)	1	Z111100001-
18	30Z2190347	• CHAIN	1	Z111100001-
19	10Z2180115 K1	GASKET	1	Z111100001-
20	CFB01-21025	BOLT	3	Z111100001-
21	CFW01-11030	WASHER, SPRING	4	Z111100001-
22	CFB01-21025	BOLT	1	Z111100001-
23	CFS01-31225	SCREW	2	Z111100001-
24	CFW01-11236	WASHER, SPRING	4	Z111100001-
25	11Z8210328	HEAT, PLATE	1	Z111100001-
26	11Z8110074	ELBOW	1	Z111100001-02
27	11Z1210315	ADAPTOR	1	Z111100001-02

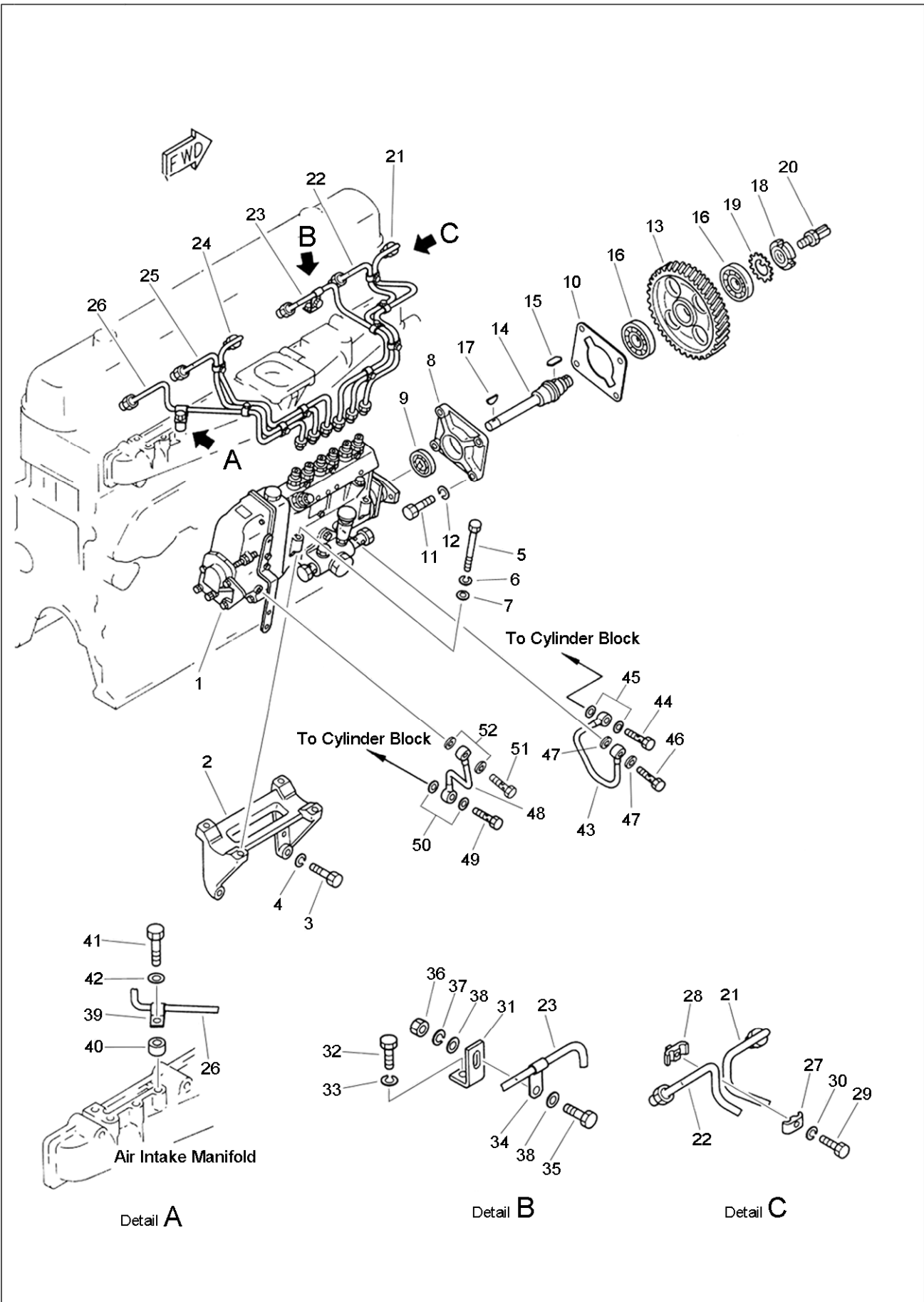


LUBRICATING OIL COOLER
FIG. No. 3310

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z5100049	OIL COOLER ASSY.	1	Z111100001-004
	10Z5100579	OIL COOLER ASSY.	1	Z111100005-
1	11Z5120129	• COVER ASSY.	1	Z111100001-004
1	10Z5120601	• COVER ASSY.	1	Z111100005-
2	02720-40607	• PLUG TAPER	2	Z111100001-
3	10Z5110428	• PLUG	1	Z111100001-
4	10Z5160113 K2	• O-RING	1	Z111100001-
5	11Z5110133	• VALVE THERMO	1	Z111100001-
6	11Z5110222	• SPRING	1	Z111100001-
7	11Z5120023	• CASE VALVE	1	Z111100001-
8	10Z5160398 K2	• O-RING	1	Z111100001-
9	11Z5110174	• PLUG	1	Z111100001-
10	CHS01-12018 K2	• O-RING	1	Z111100001-
11	11Z5180078	• ELEMENT	1	Z111100001-004
11	10Z5180591	• ELEMENT	1	Z111100005-
12	10Z5160113 K2	• O-RING	2	Z111100001-
13	10Z5170206 K2	• GASKET	2	Z111100001-004
13	10Z5170588 K2	• GASKET	2	Z111100005-
14	CFN01-20868	• NUT	4	Z111100001-
15	CFW01-10825	• WASHER SPRING	4	Z111100001-
16	CFW03-10816	• WASHER	4	Z111100001-
17	10Z5170125 K2	GASKET	1	Z111100001-
18	CFS01-30825	SCREW	4	Z111100001-
19	CFB01-20830	BOLT	3	Z111100001-
20	CFB01-20835	BOLT	16	Z111100001-
21	CFB01-20865	BOLT	1	Z111100001-
22	CFW01-10825	WASHER SPRING	24	Z111100001-
23	CFW02-10816	WASHER	25	Z111100001-
24	10Z5130176	PIPE OIL	1	Z111100001-
25	CHS01-13022 K2	O-RING	1	Z111100001-
26	07000-73028 K2	O-RING	1	Z111100001-
27	CFB01-20830	BOLT	1	Z111100001-
28	CFB01-20840	BOLT	1	Z111100001-
29	CFW01-10825	WASHER SPRING	2	Z111100001-
30	10Z6110276	NIPPLE	1	Z111100001-
31	CPL01-21217	PLUG	1	Z111100001-

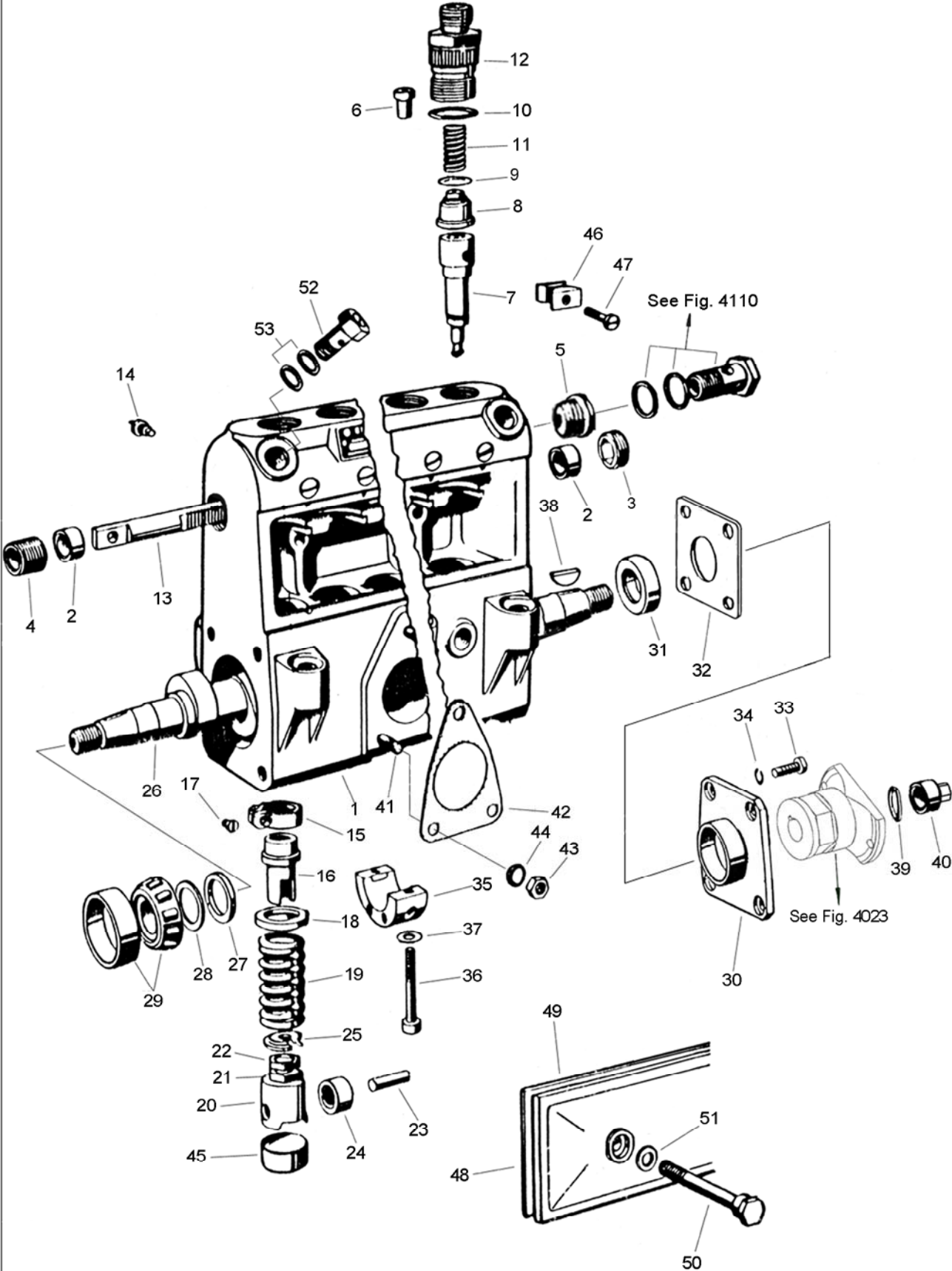
FUEL INJECTION PUMP & PIPING (MICO)
FIG. No. 4020

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7100555	INJECTION PUMP ASSY.(MICO)	1	Z111100001-
2	10Z7140126	BRACKET INJECTION PUMP	1	Z111100001-
3	CFB01-21035	BOLT	4	Z111100001-
4	CFW01-11030	WASHER SPRING	4	Z111100001-
5	CFB01-20870	BOLT	4	Z111100001-
6	CFW01-10825	WASHER SPRING	4	Z111100001-
7	30Z7110043	WASHER TAPER	4	Z111100001-
8	10Z7120021	COVER	1	Z111100001-
9	07012-00032	K2 SEAL OIL	1	Z111100001-
10	10Z7170048	K2 GASKET	1	Z111100001-
11	CFS24-31025	SCREW	4	Z111100001-
12	CFW01-11030	WASHER SPRING	4	Z111100001-
	10Z7100371	GEAR ASSY.	1	Z111100001-
13	10Z7150324	▪ GEAR FUEL INJECTION PUMP DRIVE	1	Z111100001-
14	10Z7110334	▪ SHAFT	1	Z111100001-
15	CFK01-07022	▪ KEY	1	Z111100001-
16	06000-06007	▪ BALL BEARING	2	Z111100001-
17	04010-00416	KEY	1	Z111100001-
18	10Z7110301	NUT LOCK	1	Z111100001-
19	10Z7110342	K2 WASHER LOCK	1	Z111100001-
20	10Z7110318	SHAFT TACHODRIVE	1	Z111100001-
21	11Z7130411	PIPE FUEL INJ.No.1	1	Z111100001-
22	11Z7130428	PIPE FUEL INJ.No.2	1	Z111100001-
23	11Z7130436	PIPE FUEL INJ.No.3	1	Z111100001-
24	11Z7130469	PIPE FUEL INJ.No.4	1	Z111100001-
25	11Z7130477	PIPE FUEL INJ.No.5	1	Z111100001-
26	11Z7130485	PIPE FUEL INJ.No.6	1	Z111100001-
	10Z7190258	CLIP ASSY.	9	Z111100001-
27	10Z7190266	▪ CLIP	1	Z111100001-
28	10Z7190274	▪ CLIP	1	Z111100001-
29	10Z7110359	▪ SCREW	1	Z111100001-
30	CFW01-10513	▪ WASHER SPRING	1	Z111100001-
31	31Z5110126	BRACKET	1	Z111100001-
32	CFS01-31020	SCREW	1	Z111100001-



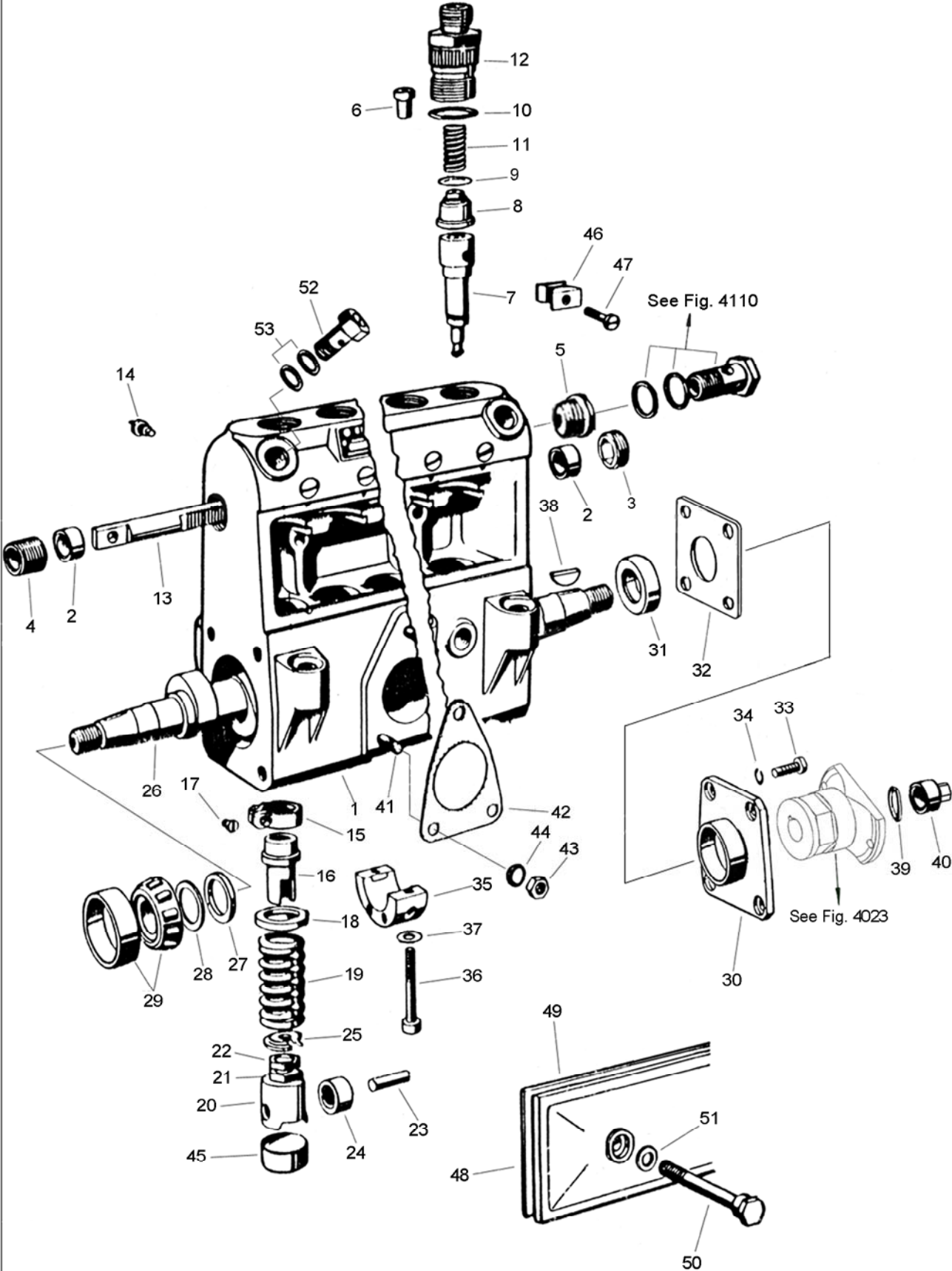
FUEL INJECTION PUMP & PIPING (MICO)**FIG. No. 4020**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	CFW01-11030	WASHER SPRING	1	Z111100001-
34	10Z7190217	CLIP	1	Z111100001-
35	CFB01-21025	BOLT	1	Z111100001-
36	CFN01-21084	NUT	1	Z111100001-
37	CFW01-11030	WASHER SPRING	1	Z111100001-
38	CFW02-11020	WASHER	2	Z111100001-
39	10Z7190217	CLIP	1	Z111100001-
40	31Z1210032	SPACER	1	Z111100001-
41	CFB01-21035	BOLT	1	Z111100001-
42	CFW02-11020	WASHER	1	Z111100001-
43	11Z7130322	PIPE LUB INLET	1	Z111100001-
44	CPF12-10610	BOLT JOINT	1	Z111100001-
45	CPF06-01012	K2 GASKET	2	Z111100001-
46	11Z7110575	BOLT JOINT	1	Z111100001-
47	CPF06-01012	K2 GASKET	2	Z111100001-
48	11Z7130014	PIPE LUB OUTLET	1	Z111100001-
49	CPF12-10812	BOLT JOINT	1	Z111100001-
50	CPF06-01212	K2 GASKET	2	Z111100001-
51	CPF12-10812	BOLT JOINT	1	Z111100001-
52	CPF06-01212	K2 GASKET	2	Z111100001-



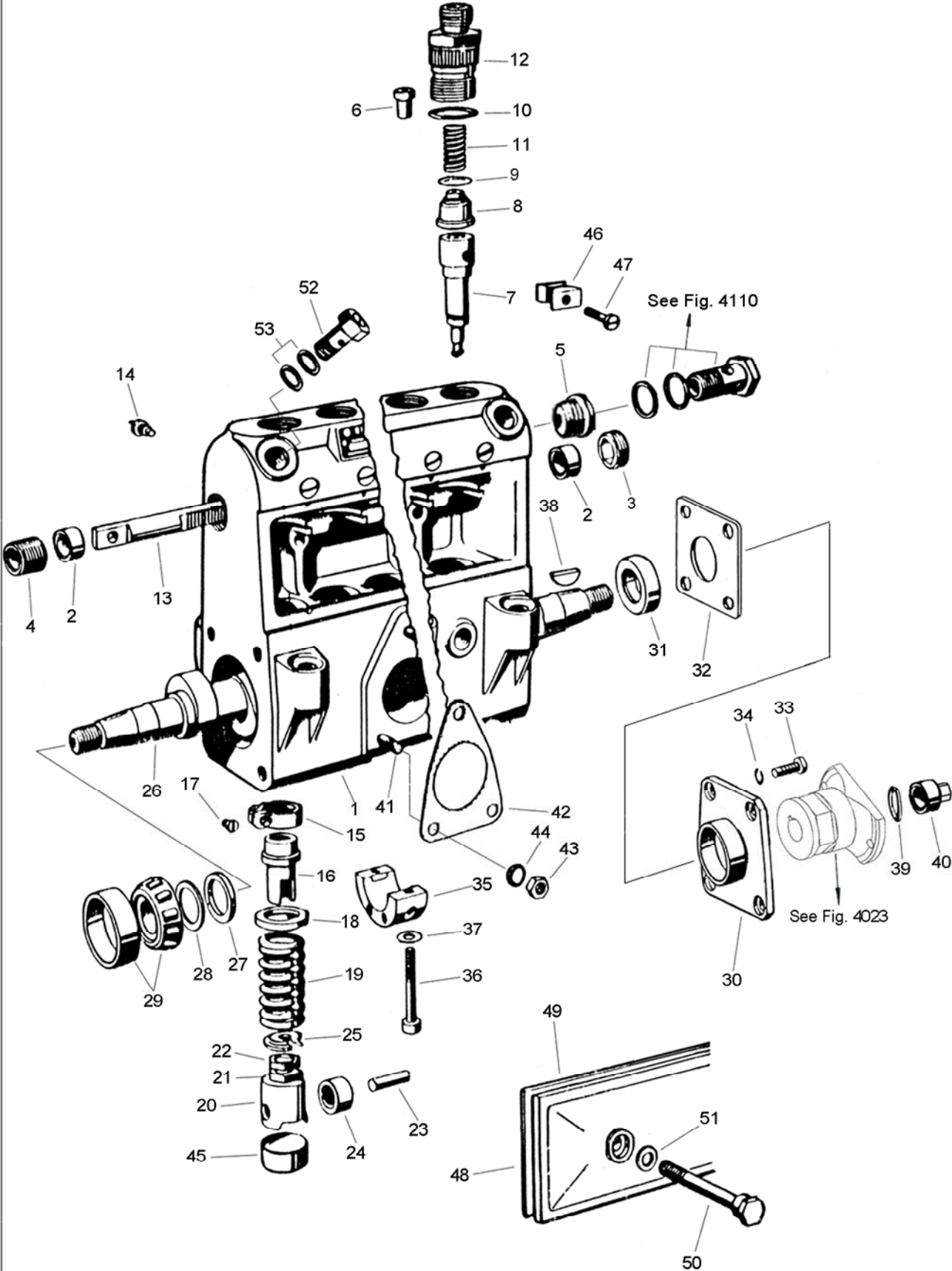
FUEL INJECTION PUMP (MICO)
FIG. No. 4021

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	(11Z7100555)	INJECTION PUMP ASSY.(MICO)	1	Z111100001-
	MICO PART Nos.			
	F002A10028	FUEL INJECTION PUMP	1	Z111100001-
1	9413035309	▪ PUMP HOUSING	1	Z111100001-
2	1410202086	.. GUIDE BUSH	2	Z111100001-
3	1413344001	.. THREADED BUSH	1	Z111100001-
4	1410361001	.. THREAD BUSHING	1	Z111100001-
5	1413455080	.. REDUCING NIPPLE	1	Z111100001-
6	1410326005	▪ FILLER PIECE	6	Z111100001-
7	9412038344	▪ PUMPING ELEMENT	6	Z111100001-
8	9411038578	▪ DELIVERY VALVE ASSEMBLY	6	Z111100001-
9	1410105001	▪ GASKET	6	Z111100001-
10	1410210050	▪ O-RING	6	Z111100001-
11	1414613013	▪ COMPRESSION SPRING	6	Z111100001-
12	1413372090	▪ DELIVERY VALVE HOLDER	6	Z111100001-
13	1416026004	▪ CONTROL ROD	1	Z111100001-
14	1413412004	▪ CONTROL ROD LOCATING SCREW	1	Z111100001-
15	1416336061	▪ GEAR SEGMENT NOMINAL SIZE	AR	Z111100001-
15	1416336060	▪ GEAR SEGMENT OVER SIZE	AR	Z111100001-
16	F002A11226	▪ REGULATING SLEEVE	6	Z111100001-
17	F002A11236	▪ CLAMPING SCREW	6	Z111100001-
18	1410114022	▪ SPRING PLATE - UPPER	6	Z111100001-
19	1414618028	▪ COMPRESSION SPRING	6	Z111100001-
20	1418720025	▪ ROLLER TAPPET ASSEMBLY	6	Z111100001-
21	1413300028	.. LOCK NUT	6	Z111100001-
22	1413450010	.. ADJUSTING SCREW	6	Z111100001-
23	1413100030	.. ROLLER PIN	6	Z111100001-
24	1410300248	.. ROLLER	6	Z111100001-
25	1410120071	▪ SPRING PLATE - LOWER	6	Z111100001-
26	9412036115	▪ CAMSHAFT	1	Z111100001-
27	1410202042	▪ STOP RING PUMP END -1	1	Z111100001-
27	1410202034	▪ STOP RING PUMP END -2	1	Z111100001-
28	(*)	▪ SHIMS FOR CAMSHAFT PUMP END -1		
28	1410101610	0.1 MM THICK	AR	Z111100001-



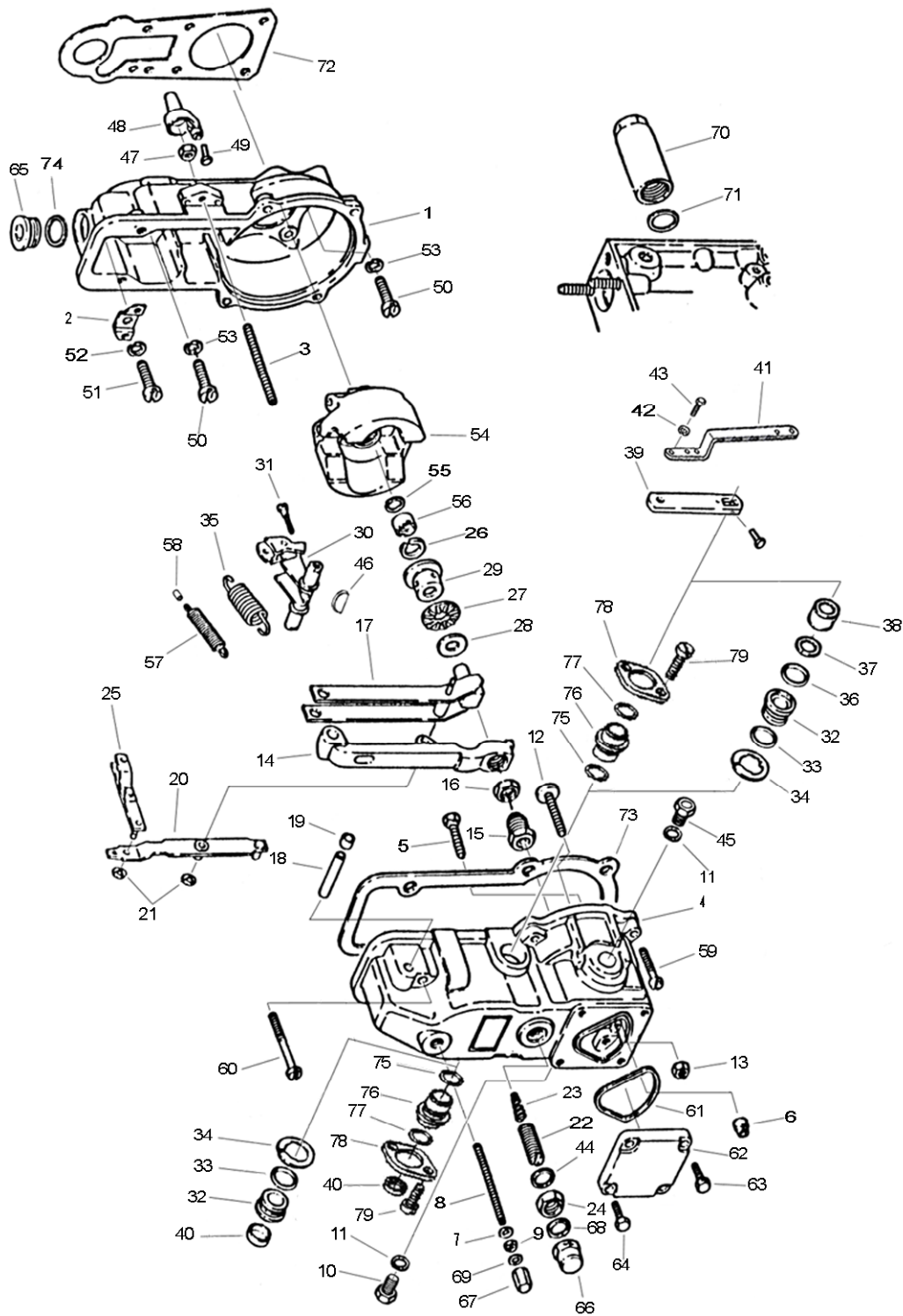
FUEL INJECTION PUMP (MICO)**FIG. No. 4021**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
28	1410101612	0.12 MM THICK	AR	Z111100001-
28	1410101614	0.14 MM THICK	AR	Z111100001-
28	1410101616	0.16 MM THICK	AR	Z111100001-
28	1410101618	0.18 MM THICK	AR	Z111100001-
28	1230101608	0.30 MM THICK	AR	Z111100001-
28	1410101620	0.50 MM THICK	AR	Z111100001-
28	1410101630	1.00 MM THICK	AR	Z111100001-
28	(*)	▪ SHIMS FOR CAMSHAFT PUMP END- 2		
28	1410102625	0.1 MM THICK	AR	Z111100001-
28	1410102626	0.12 MM THICK	AR	Z111100001-
28	1410102627	0.14 MM THICK	AR	Z111100001-
28	1410102628	0.16 MM THICK	AR	Z111100001-
28	1410102629	0.18 MM THICK	AR	Z111100001-
28	1410102630	0.30 MM THICK	AR	Z111100001-
28	1410102631	0.50 MM THICK	AR	Z111100001-
28	1410102632	1.00 MM THICK	AR	Z111100001-
29	1900910201	▪ TAPERED-ROLLER BEARING PUMP END-1	1	Z111100001-
29	1900910202	▪ TAPERED-ROLLER BEARING PUMP END- 2	1	Z111100001-
30	1415522054	▪ BEARING END PLATE	1	Z111100001-
31	1410281012	▪ OIL SEAL	1	Z111100001-
32	1411039006	▪ GASKET	1	Z111100001-
33	2914552156	▪ SCREW FOR BEARING END PLATE	4	Z111100001-
34	1410100037	▪ GASKET	4	Z111100001-
35	9411035800	▪ INTERMEDIATE BEARING	1	Z111100001-
36	2912701166	▪ SCREW FOR INTERMEDIATE BEARING	2	Z111100001-
37	1410105007	▪ SEALING WASHER FOR SCREW	2	Z111100001-
38	1900023008	▪ WOODRUFF KEY	1	Z111100001-
39	9411030135	▪ SPRING LOCK WASHER	1	Z111100001-
40	9411033319	▪ CAP NUT	1	Z111100001-
41	1413502000	▪ THREADED PIN	3	Z111100001-
42	1411073000	▪ GASKET	1	Z111100001-
43	2915012007	▪ HEXAGON NUT	3	Z111100001-
44	2916690005	▪ SPRING LOCK WASHER	3	Z111100001-
45	1410551036	▪ BASE CLOSING PLUG	6	Z111100001-



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

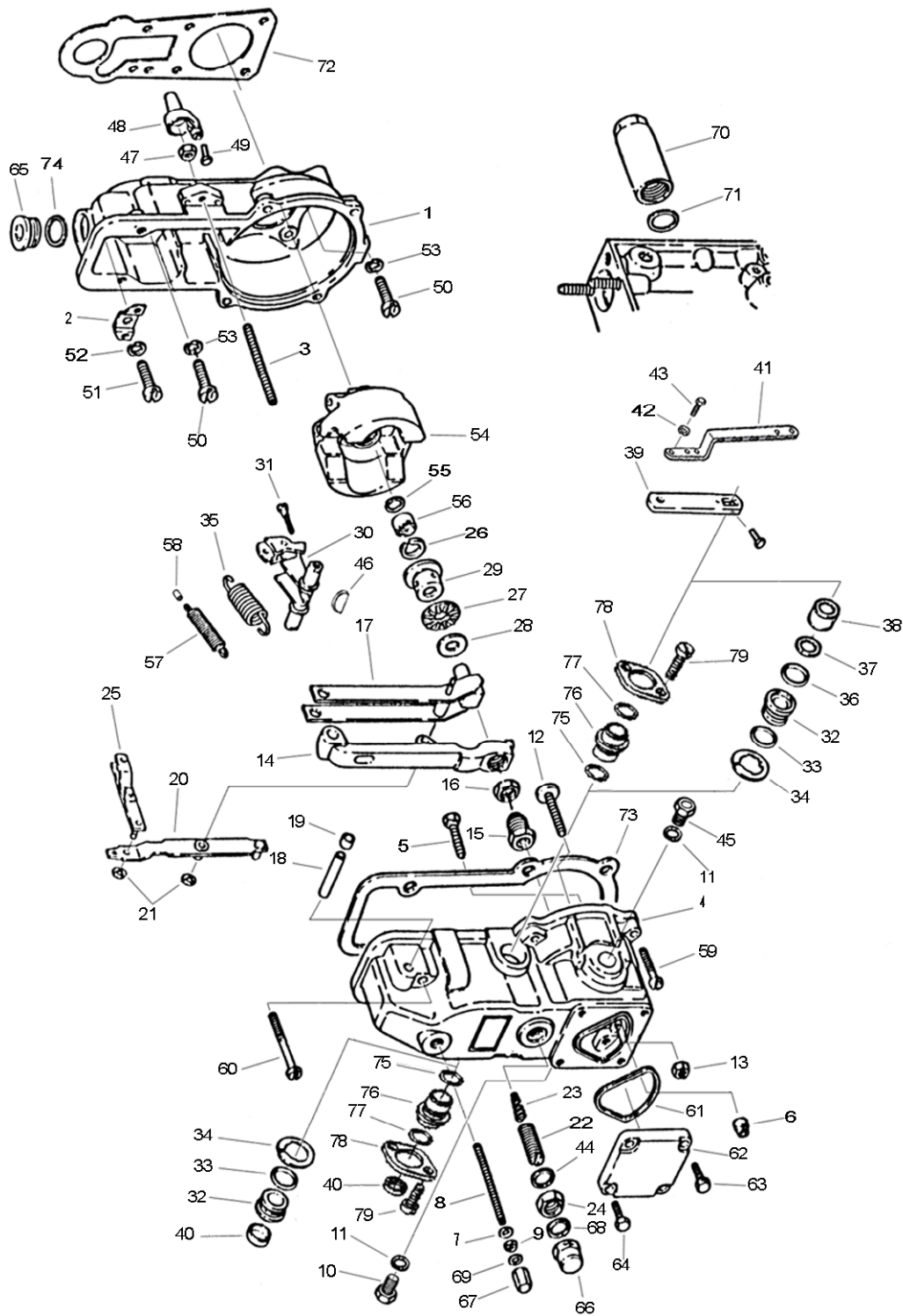
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
46	1410023009	▪ CLAMPING PIECE	3	Z111100001-
47	1410023009	▪ CLAMPING PIECE	5	Z111100001-
48	1415626114	▪ CLOSING COVER	1	Z111100001-
49	1411015097	▪ GASKET	1	Z111100001-
50	1413414009	▪ SCREW	2	Z111100001-
51	1410210037	▪ O-RING	2	Z111100001-
52	F002A10627	▪ OVERFLOW VALVE	1	Z111100001-
53	2916710610	▪ FLAT SEAL RING	2	Z111100001-



GOVERNOR, FUEL INJECTION PUMP (MICO)

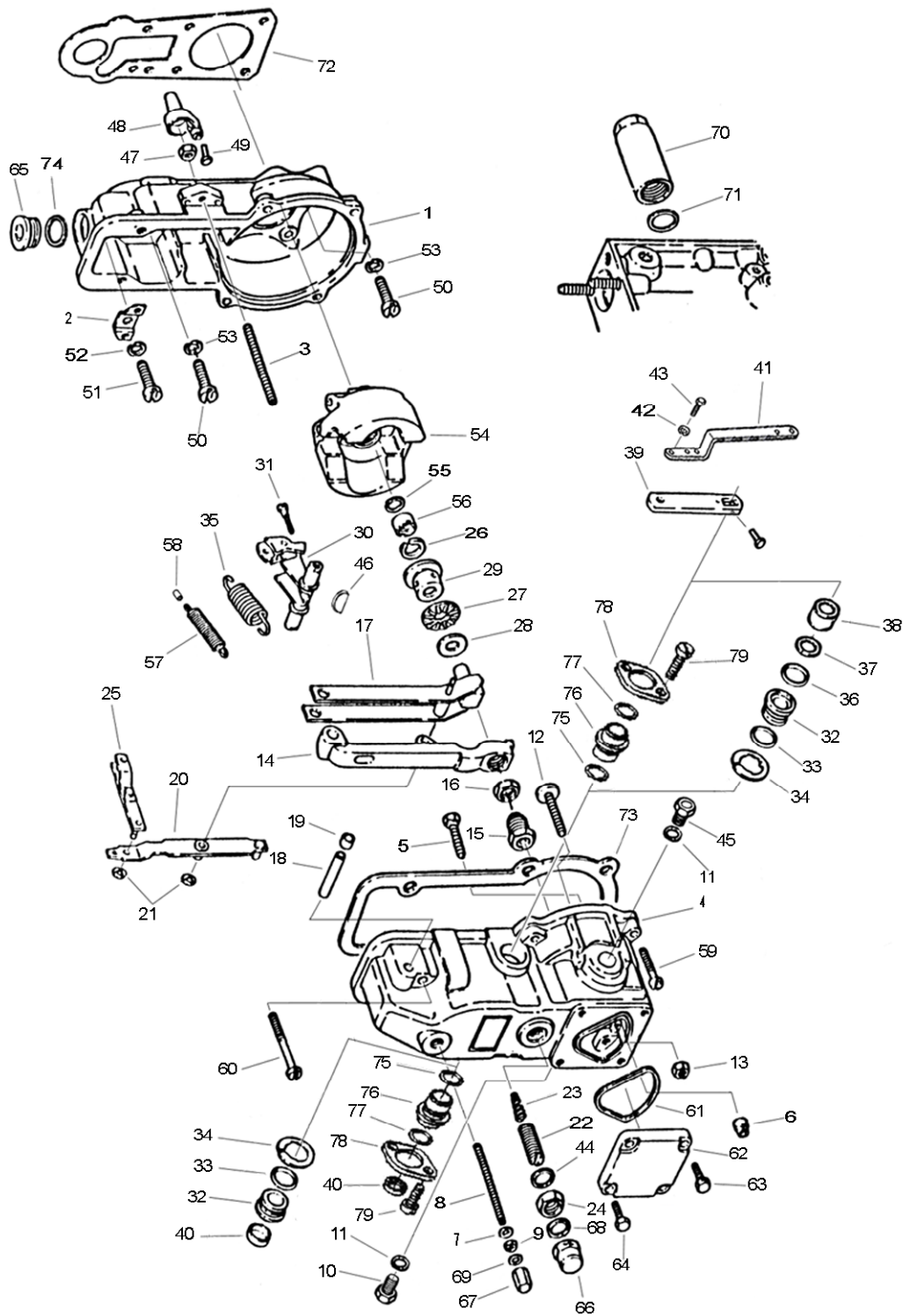
FIG. No. 4022

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	(11Z7100555)	INJECTION PUMP ASSY.(MICO)	1	Z111100001-
	MICO PART Nos.			
	F002A20095	GOVERNOR ASSY.	1	Z111100001-
1	1425121056	• GOVERNOR HOUSING	1	Z111100001-
2	1421323000	• HOLDING PLATE	1	Z111100001-
3	1423400031	• MAX. SPEED STOP SCREW	1	Z111100001-
	F002A20595	• GOVERNOR COVER ASSY.	1	Z111100001-
4	F002A21494	.. GOVERNOR COVER ALONE	1	Z111100001-
5	1423590014	.. STOP SCREW	1	Z111100001-
6	2423341001	.. ROUND NUT	1	Z111100001-
7	2916710602	.. FLAT SEAL RING	1	Z111100001-
8	1423400031	.. IDLING STOP SCREW	1	Z111100001-
9	1423300058	.. HEXAGON NUT	1	Z111100001-
10	2911271702	.. SCREW PLUG	1	Z111100001-
11	2916710611	.. FLAT SEAL RING	2	Z111100001-
12	1423410011	.. FULL LOAD STOP SCREW	1	Z111100001-
13	2915012007	.. HEXAGON NUT FULL LOAD STOP SCREW	1	Z111100001-
14	1422031021	.. TENSIONING LEVER	1	Z111100001-
15	1420506609	.. ADOPTION CAPSULE	1	Z111100001-
16	1463300302	.. HEXAGON NUT	1	Z111100001-
17	1421933037	.. GUIDE LEVER	1	Z111100001-
18	1423000005	.. LEVER SHAFT	1	Z111100001-
19	1420505040	.. CLOSURE CAP	2	Z111100001-
20	1421901179	.. FULCRUM LEVER	1	Z111100001-
21	2916080907	.. CIRCLIP	2	Z111100001-
22	1423401012	.. SUPPLEM IDLING SPRING ASSY.	1	Z111100001-
23	1424641001	.. COMP RING	11	Z111100001-
24	1423300020	.. HEX NUT	1	Z111100001-
25	9421031905	.. SHACKLE	1	Z111100001-
26	2916600006	.. RETAINER	1	Z111100001-
27	F002A20864	.. NEEDLE -ROLLER BEARING	1	Z111100001-
28	1420101078	.. SUPPORTING DISC	1	Z111100001-
29	9421030333	.. SLIDING SLEEVE	1	Z111100001-
30	1422013095	.. SWIVELING LEVER	1	Z111100001-



GOVERNOR, FUEL INJECTION PUMP (MICO)**FIG. No. 4022**

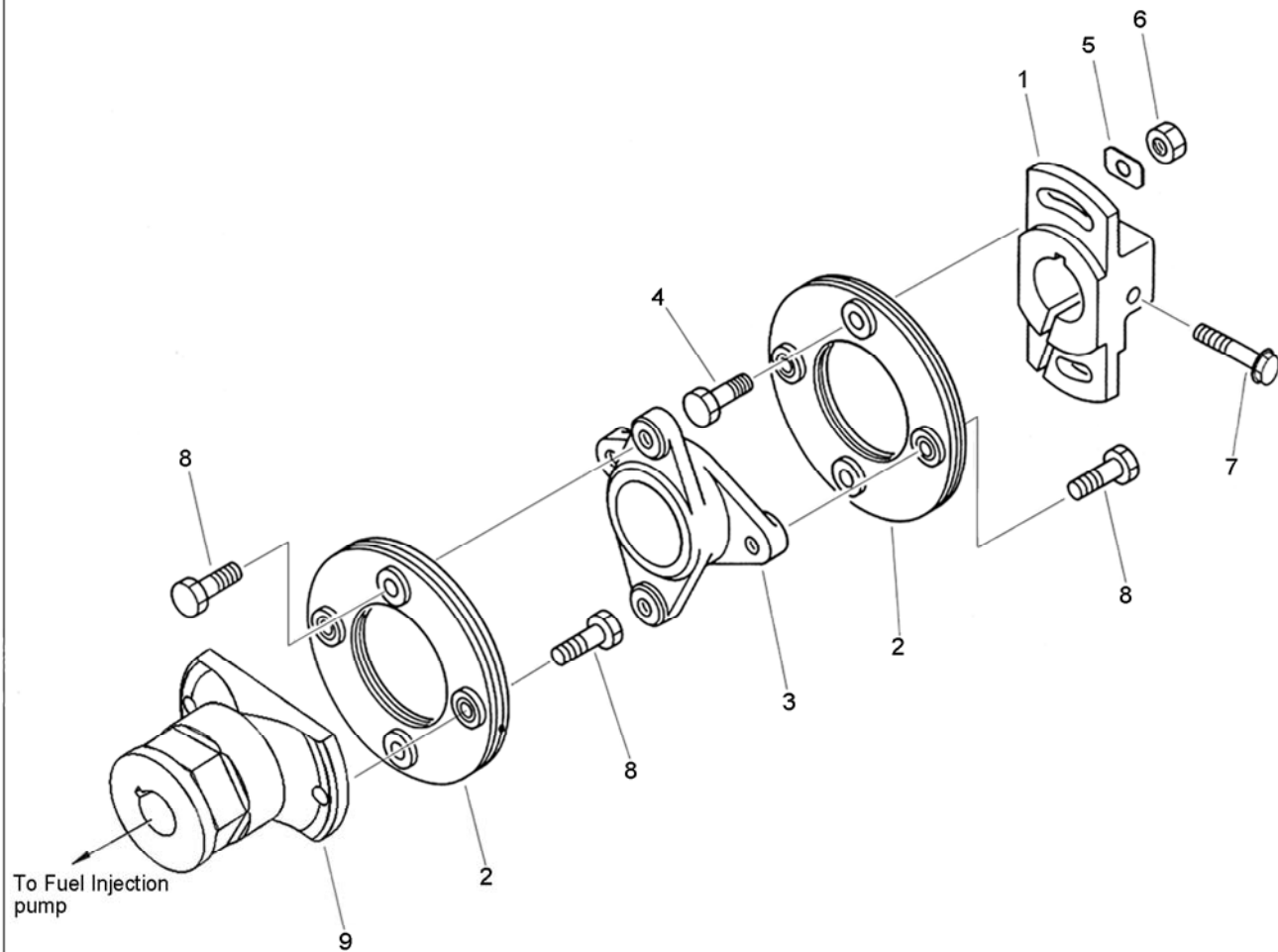
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
31	1423414037	.. ADJUSTING SCREW	1	Z111100001-
32	1420328034	.. BEARING BUSH	2	Z111100001-
33	1900210013	.. O-RING	2	Z111100001-
34	2916080015	.. CIRCLIP	2	Z111100001-
35	1424650005	.. GOVERNOR SPRING	1	Z111100001-
36	1420210010	.. O-RING	1	Z111100001-
37	1420101634	.. SHIM 0.50MM THICK	AR	Z111100001-
37	1420101030	.. SHIM 1.00 MM THICK	AR	Z111100001-
38	9421030321	.. BUSHING	1	Z111100001-
39	1422002432	.. CONTROL LEVER	1	Z111100001-
40	1420500005	.. CAP	1	Z111100001-
41	9421032072	.. CONTROL LEVER	1	Z111100001-
42	2916699132	.. SPRING WASHER	2	Z111100001-
43	2911062196	.. HEXAGON SCREW	2	Z111100001-
44	1460105309	.. FLAT SEAL RING	1	Z111100001-
45	1413462102	.. REDUCING NIPPLE	1	Z111100001-
46	1900023005	.. WOODRUFF KEY	1	Z111100001-
47	2915012007	. HEXAGON NUT	1	Z111100001-
48	1420524000	. PROTECTIVE CAP	1	Z111100001-
49	1423120063	. LEAD SEAL	1	Z111100001-
50	2912732199	. SCREW	6	Z111100001-
51	2914552179	. SCREW	1	Z111100001-
52	2916699134	. SPRING WASHER	1	Z111100001-
53	2916690005	. SPRING WASHER	6	Z111100001-
54	1428194021	. FLYWEIGHT ASSEMBLY	1	Z111100001-
55	1420151001	. SPRING WASHER	1	Z111100001-
56	1423341034	. ROUND NUT	1	Z111100001-
57	1424650060	. STARTING SPRING WITH SLEEVE	1	Z111100001-
58	1420707005	. SLEEVE FOR STARTING SPRING	1	Z111100001-
59	2912732203	. SCREW-LOWER	4	Z111100001-
60	2912732209	. SCREW-UPPER	2	Z111100001-
61	1420206016	. SEALING RING	1	Z111100001-
62	1421038013	. CLOSING COVER	1	Z111100001-
63	2911182193	. BREAK-OFF SCREW	2	Z111100001-



GOVERNOR, FUEL INJECTION PUMP (MICO)

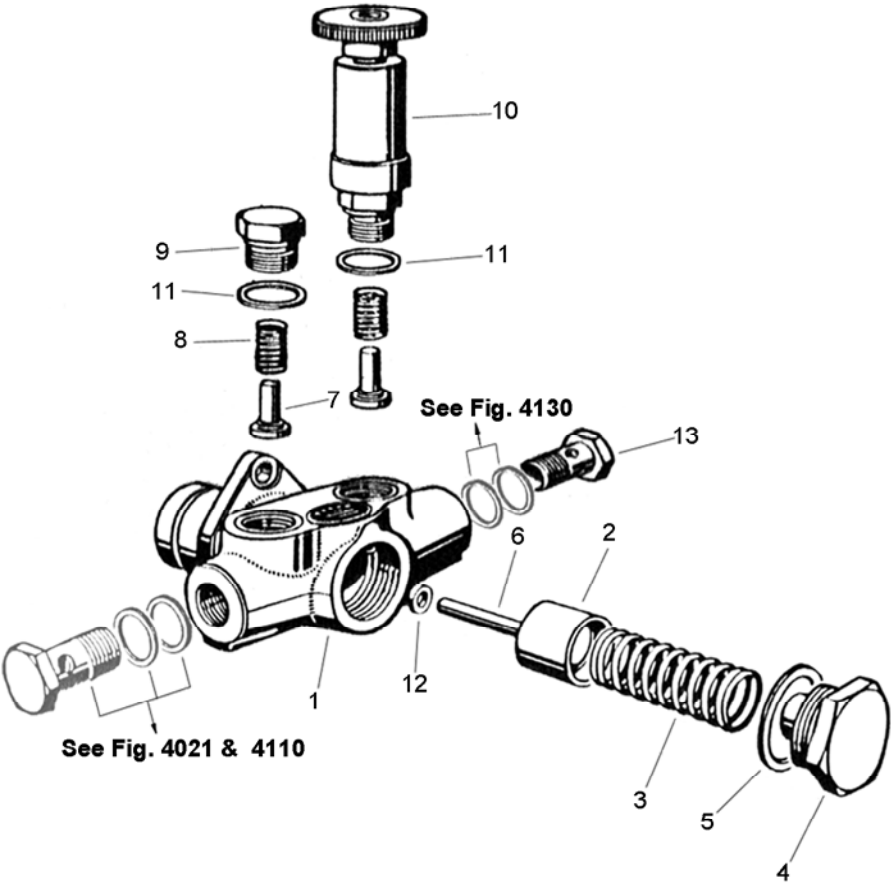
FIG. No. 4022

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
64	2911062193	▪ HEXAGON SCREW	2	Z111100001-
65	9421033430	▪ SCREW PLUG	1	Z111100001-
66	1423317044	▪ CAP NUT	1	Z111100001-
67	1423317015	▪ CAP NUT	1	Z111100001-
68	1460105309	▪ FLAT SEAL RING	1	Z111100001-
69	2916710602	▪ FLAT SEAL RING	1	Z111100001-
70	1420521001	▪ CONTROL ROD STOP	1	Z111100001-
71	1420211005	▪ GASKET	1	Z111100001-
72	9421031004	▪ GASKET	1	Z111100001-
73	1421015047	▪ GASKET	1	Z111100001-
74	F002A21474	▪ GASKET	1	Z111100001-
75	1420210028	▪ O-RING	2	Z111100001-
76	2420328030	▪ BEARING BUSH	2	Z111100001-
77	1420283006	▪ SHAFT SEALING RING	2	Z111100001-
78	2420050011	▪ FASTENING PLATE	2	Z111100001-
79	2914551167	▪ SCREW	4	Z111100001-



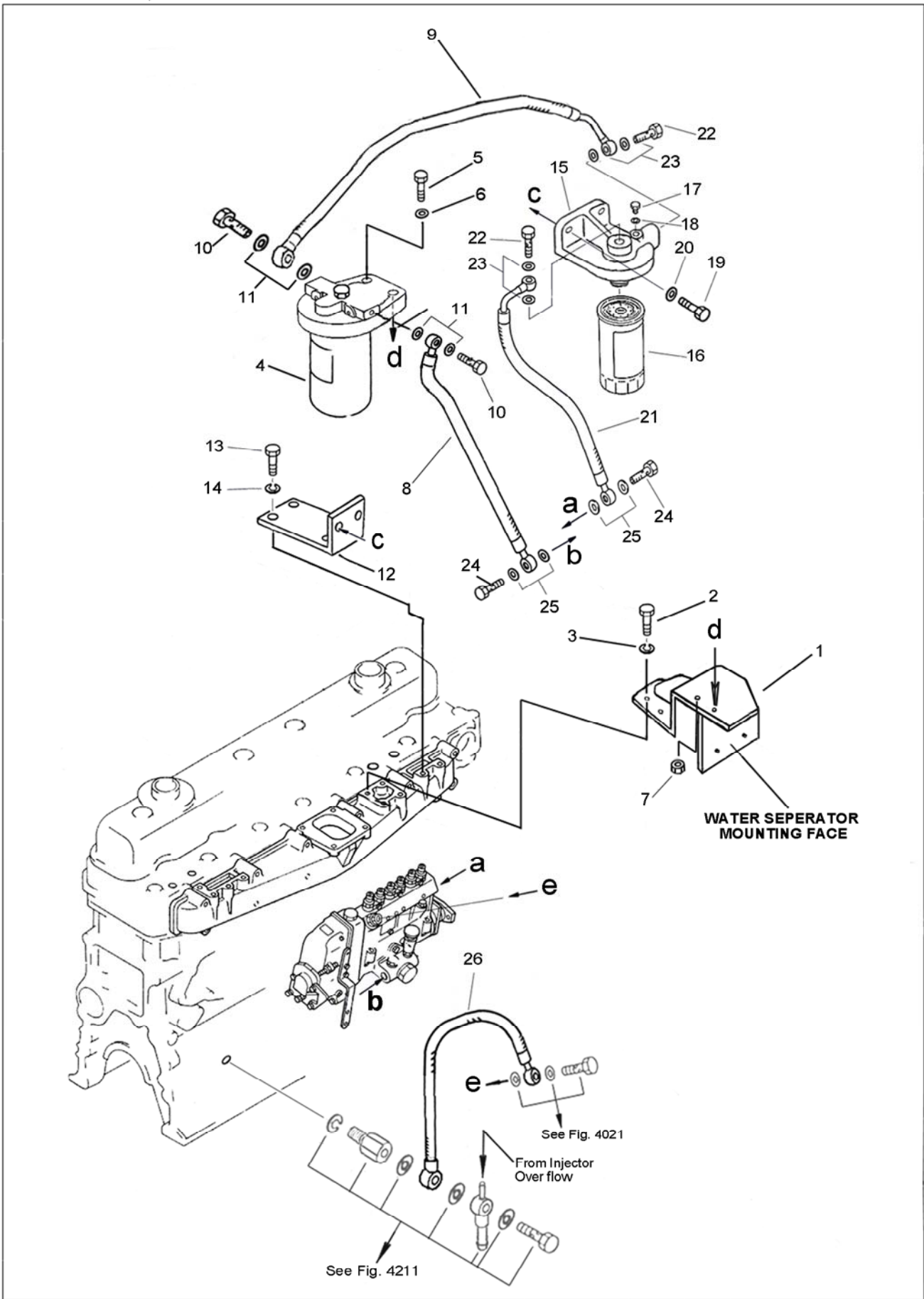
COUPLING, FUEL INJECTION PUMP (MICO)**FIG. No. 4023**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	(11Z7100555)	INJECTION PUMP ASSY.(MICO)	1	Z111100001-
1	11Z7180316	COUPLING	1	Z111100001-
2	11Z7180308	FLEX PLATE ASSEMBLY	2	Z111100001-
3	11Z7180268	YOKE	1	Z111100001-
4	CFB01-20830	BOLT	2	Z111100001-
5	11Z7110356	WASHER	2	Z111100001-
6	CFN01-20868	NUT	2	Z111100001-
7	CFB01-20840	BOLT	1	Z111100001-
8	CFS01-30820	SCREW	6	Z111100001-
9	11Z7180292	COUPLING HALF.	1	Z111100001-



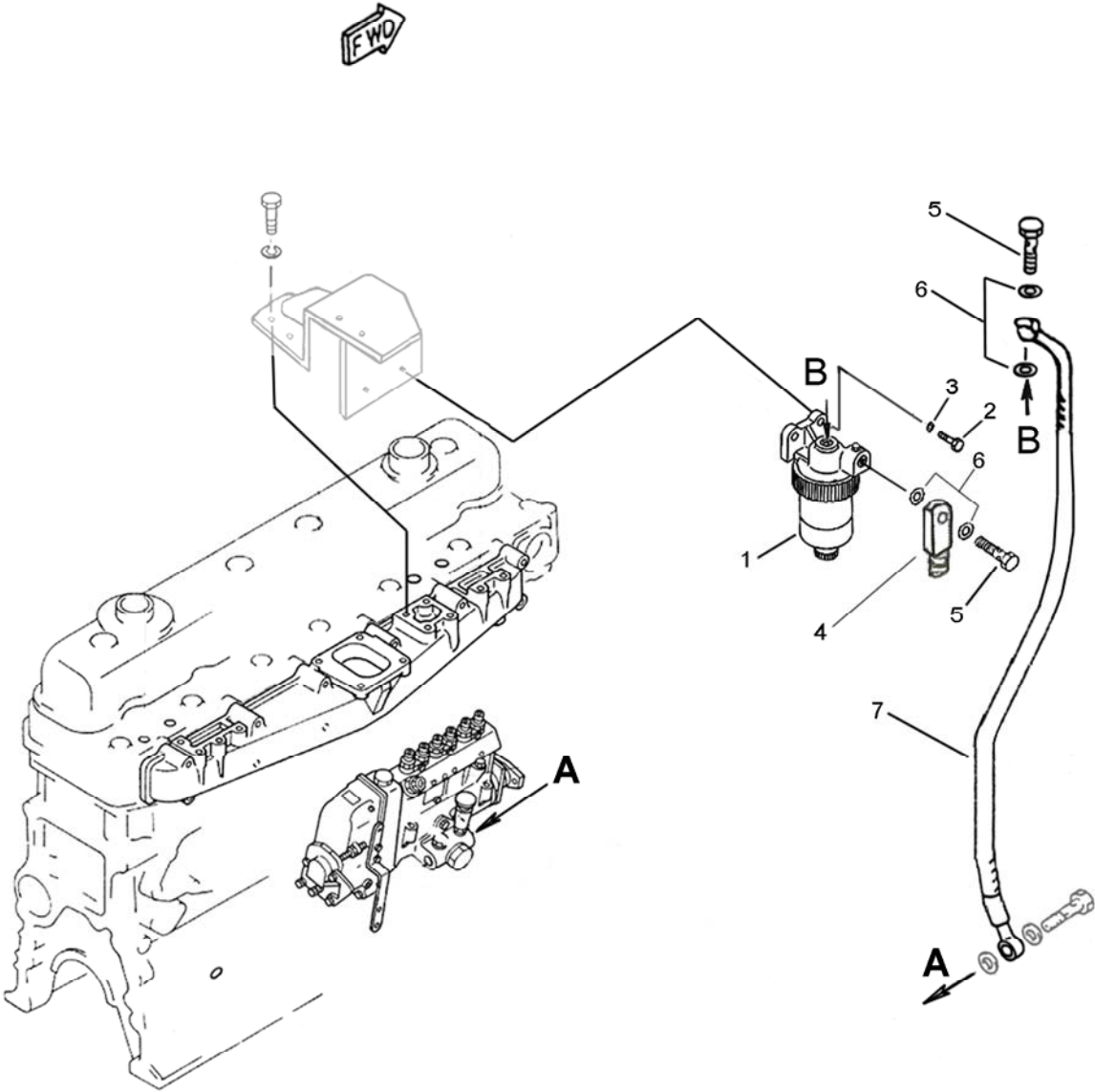
FEED PUMP, FUEL INJECTION PUMP (MICO)
FIG. No. 4024

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7100555	INJECTION PUMP ASSY.(MICO)	1	Z111100001-
	MICO P/NO			
1	(*)	• HOUSING	1	Z111100001-
2	2449998709	• FEED PUMP PLUNGER,BLUE	AR	Z111100001-
2	2449998713	• FEED PUMP PLUNGER,WHITE	AR	Z111100001-
3	2444617010	• PLUNGER SPRING	1	Z111100001-
4	9441033404	• CLOSING PLUG	1	Z111100001-
5	2440105000	• SEALING RING	1	Z111100001-
6	2443120022	• PRESSURE SPINDLE	1	Z111100001-
7	2443203001	• VALVE	2	Z111100001-
8	2444615006	• SPRING	2	Z111100001-
9	9441033405	• CLOSING PLUG	1	Z111100001-
10	9441037202	• HAND PRIMER	1	Z111100001-
11	1230203001	• SEALING RING	2	Z111100001-
12	2440210009	• O-RING	1	Z111100001-
13	2443456900	• BANJO BOLT	1	Z111100001-



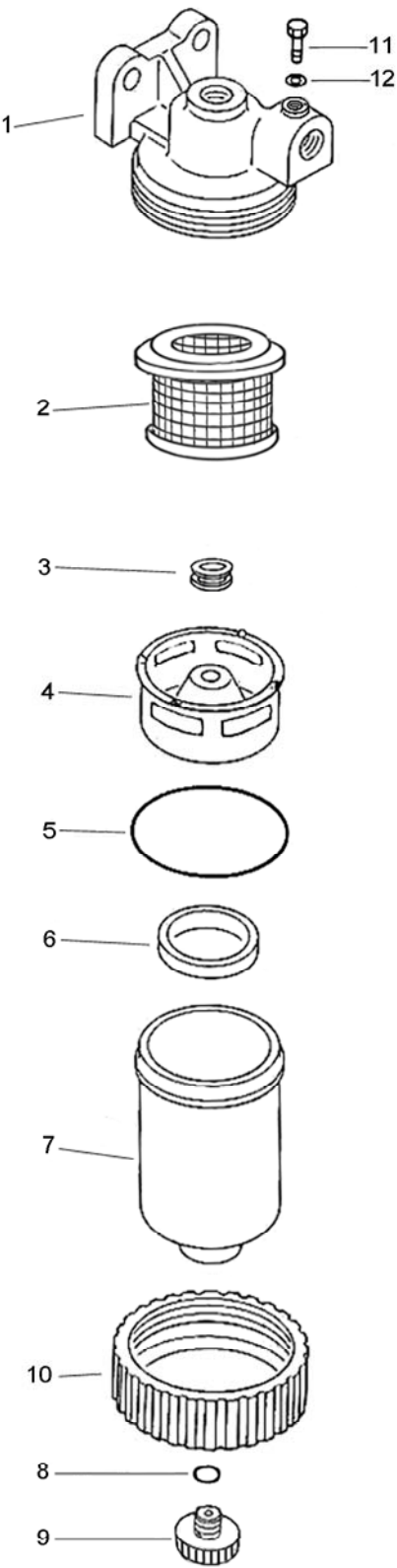
FUEL FILTER, PRE FILTER AND PIPING
FIG. No. 4110

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z7111596	BRACKET PRE FILTER & W/S MTG.	1	Z111100001-
2	ZFB46-21020	BOLT	2	Z111100001-
3	CFW01-10929	WASHER SPRING	2	Z111100001-
4	11Z7100222	PRE FILTER ASSY.	1	Z111100001-
	11Z7180235 KS	CARTRIDGE PRE-FILTER	1	Z111100001-
5	CFB01-21240	BOLT	2	Z111100001-
6	CFW01-11236	WASHER SPRING	2	Z111100001-
7	CFN01-21284	NUT	2	Z111100001-
8	07271-01445	HOSE	1	Z111100001-
9	07271-11445	HOSE	1	Z111100001-
10	CPF12-11014	BOLT JOINT	2	Z111100001-
11	CPF06-01412 K2	GASKET	4	Z111100001-
12	10Z7130399	BRACKET FUEL FILTER MTG	1	Z111100001-
13	CFB01-21035	BOLT	4	Z111100001-
14	CFW01-11030	WASHER SPRING	4	Z111100001-
	30Z7180377	FUEL FILTER ASSY.	1	Z111100001-
15	30Z7120152	HEAD FUEL FILTER	1	Z111100001-
16	30Z7180369 KS	CARTRIDGE	1	Z111100001-
17	30Z7110076	PLUG	1	Z111100001-
18	CPF06-00812 K2	GASKET	1	Z111100001-
19	CFB01-21030	BOLT	2	Z111100001-
20	CFW02-11020	WASHER	2	Z111100001-
21	11Z7160374	HOSE	1	Z111100001-
22	CPF12-11014	BOLT JOINT	2	Z111100001-
23	CPF06-01412 K2	GASKET	4	Z111100001-
24	CPF12-11014	BOLT JOINT	2	Z111100001-
25	CPF06-01412 K2	GASKET	4	Z111100001-
26	07271-01460	HOSE	1	Z111100001-



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

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	30Z7181024	WATER SEPARATOR ASSY.	1	Z111100001-
2	CFB01-11030	BOLT	2	Z111100001-
3	CFW02-11020	WASHER SPRING	2	Z111100001-
4	31Z7130226	JOINT	1	Z111100001-105
5	CPF12-11014	JOINT BOLT	2	Z111100001-
6	CPF06-01412 K2	GASKET	4	Z111100001-
7	10Z7180457	HOSE FUEL	1	Z111100001-

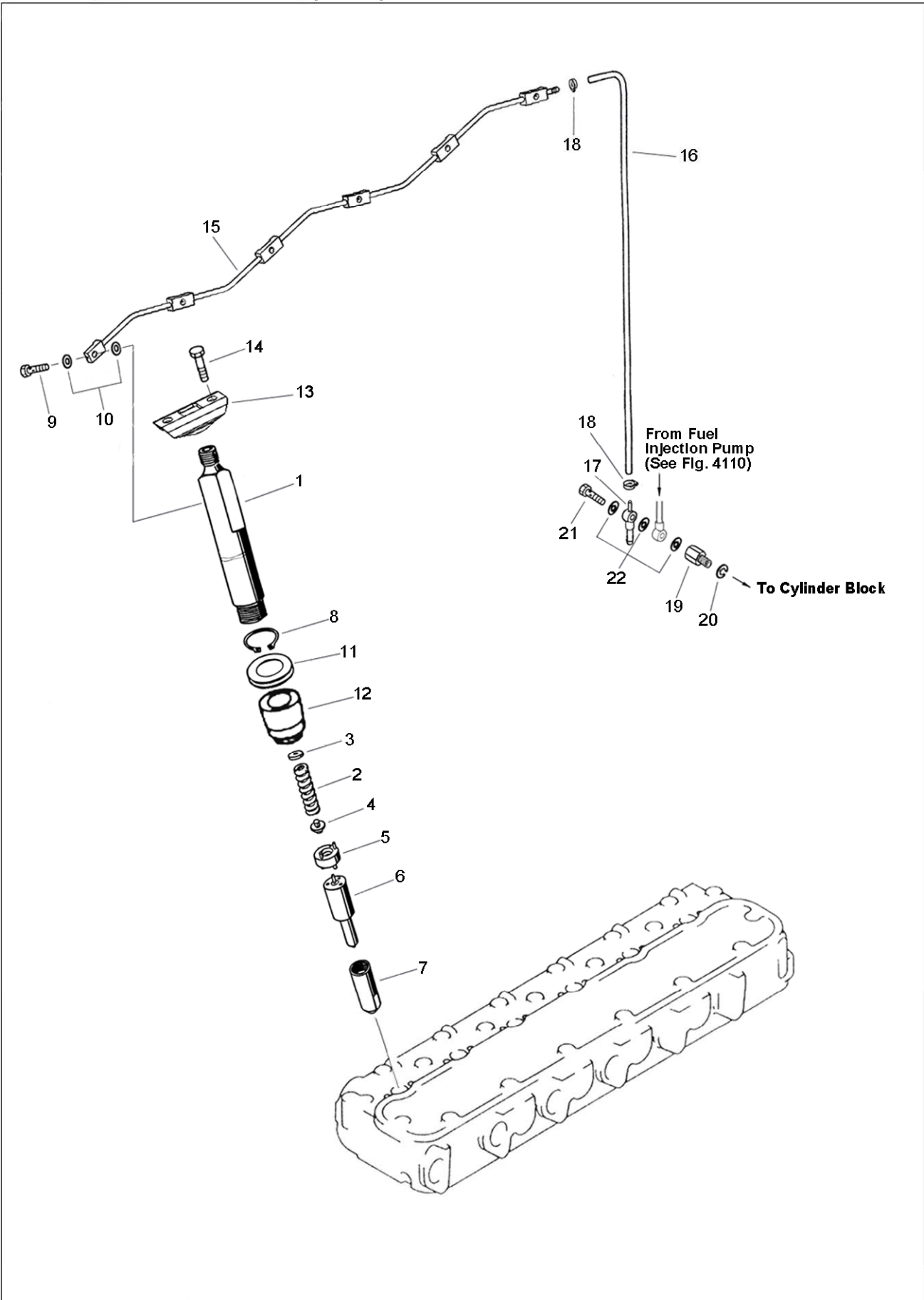


WATER SEPARATOR**FIG. No. 4131**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	30Z7181024	WATER SEPARATOR ASSY.	1	Z111100001-
	30Z7181032	. HEAD	1	Z111100001-
1	*30Z7100964	. BODY ASSY.	1	Z111100001-
2	30Z7181008	.. SCREEN	1	Z111100001-
3	30Z7181065	.. GASKET	1	Z111100001-
4	30Z7181057	.. HOLDER	1	Z111100001-
5	30Z7180977	.. O RING	1	Z111100001-
6	30Z7180993	.. FLOAT	1	Z111100001-
7	30Z7181049	.. BODY	1	Z111100001-
8	30Z7181016	.. O-RING	1	Z111100001-
9	30Z7181081	.. PLUG	1	Z111100001-
10	30Z7180952	. NUT,RING	1	Z111100001-
11	30Z7110076	. PLUG	1	Z111100001-
12	CPF06-00812 K2	. GASKET	1	Z111100001-

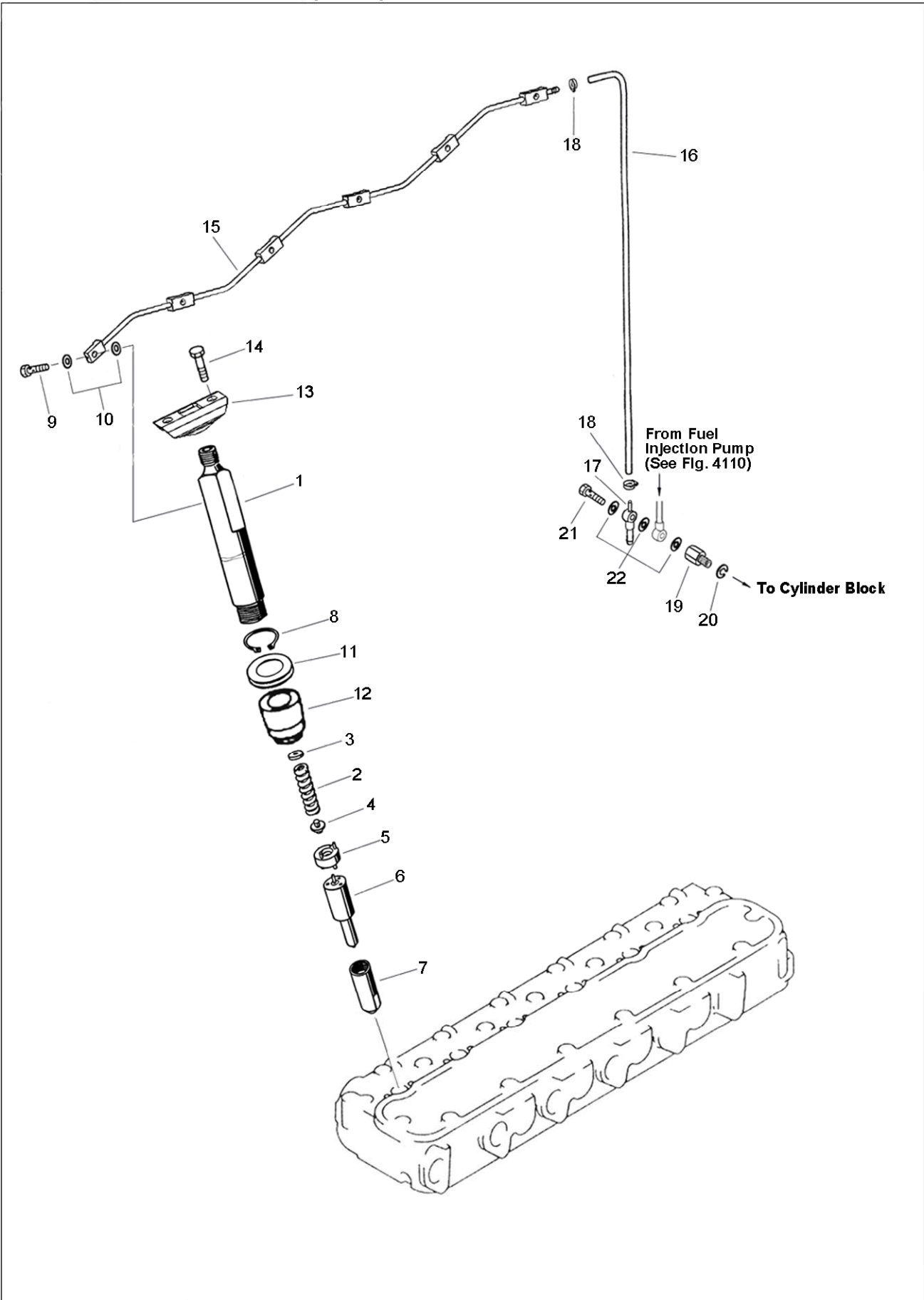
NOZZLE, FUEL INJECTION
FIG. No. 4210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z7180057	NOZZLE HOLDER ASSY.	6	Z111100001-04
1	10Z7180173	• HOLDER ASSY, NOZZLE	1	Z111100001-04
2	11Z7180081	•• PIN, NOZZLE	2	Z111100001-04
3	11Z7180098	•• ROD, PUSH	1	Z111100001-04
4	11Z7180105	•• SPRING	1	Z111100001-04
5	11Z7180113	•• SCREW, ADJUST	1	Z111100001-04
6	11Z7180121	•• NUT	1	Z111100001-04
7	11Z7180138	•• GASKET	1	Z111100001-04
8	11Z7180146	•• NUT, RETAINER	1	Z111100001-04
9	10Z7110294	• JOINT BOLT	1	Z111100001-04
10	CPF06-00812 K1	• GASKET	2	Z111100001-04
11	11Z7180073	• NOZZLE	1	Z111100001-04
12	10Z7180165 K1	PACKING, DUST	6	Z111100001-04
13	ZFB46-20855	BOLT	12	Z111100001-04
14	10Z7130106	TUBE, SPILL	1	Z111100001-04
15	07270-20475	HOSE, SPILL	1	Z111100001-04
16	31Z7130097	JOINT	1	Z111100001-04
17	07285-00085	CLIP	2	Z111100001-04
18	11Z7110331	ADAPTOR	1	Z111100001-04
19	CFW01-11236	WASHER, SPRING	1	Z111100001-04
20	31Z7110016	BOLT, JOINT	1	Z111100001-04
21	CPF06-01412 K1	GASKET	3	Z111100001-04



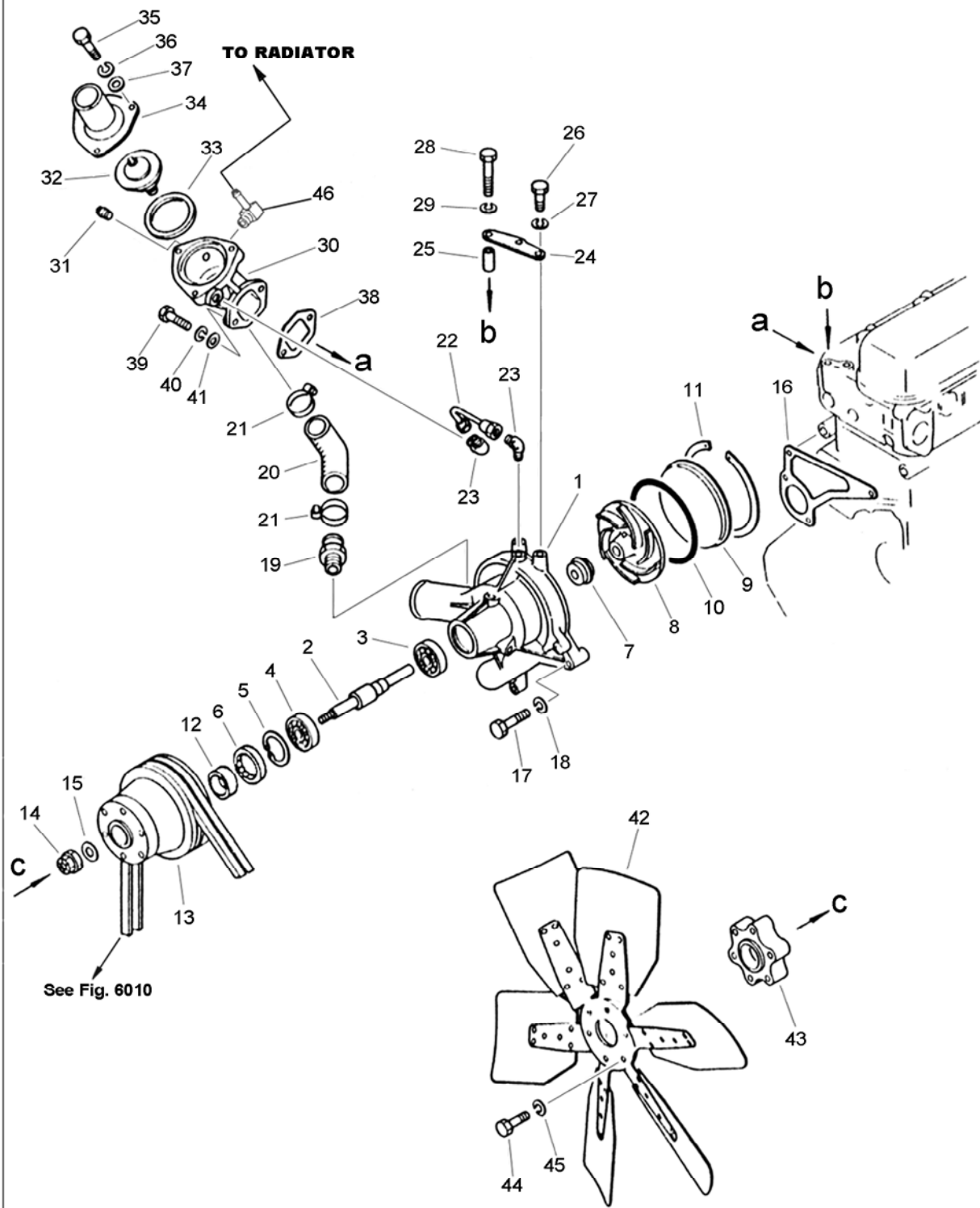
NOZZLE, FUEL INJECTION (MICO)
FIG. No. 4211

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	FIG.NO 4211 11Z7180365 <u>MICO PART Nos.</u> (1 ITEM TO 10)	NOZZLE,FUEL INJECTION(MICO) NOZZLE HOLDER ASSY.	6	Z111100005-
1	(*)	• NOZZLE HOLDER BODY	1	Z111100005-
2	2434614037	• SPRING	1	Z111100005-
3	2430101170	• ADJUSTING WASHER,1.00 MM THICK	AR	Z111100005-
	2430101172	• ADJUSTING WASHER,1.04 MM THICK	AR	Z111100005-
	2430101174	• ADJUSTING WASHER,1.08 MM THICK	AR	Z111100005-
	2430101176	• ADJUSTING WASHER,1.12 MM THICK	AR	Z111100005-
	2430101178	• ADJUSTING WASHER,1.16 MM THICK	AR	Z111100005-
	2430101180	• ADJUSTING WASHER,1.20 MM THICK	AR	Z111100005-
	2430101182	• ADJUSTING WASHER,1.24 MM THICK	AR	Z111100005-
	2430101184	• ADJUSTING WASHER,1.28 MM THICK	AR	Z111100005-
	2430101186	• ADJUSTING WASHER,1.32 MM THICK	AR	Z111100005-
	2430101188	• ADJUSTING WASHER,1.36 MM THICK	AR	Z111100005-
	2430101190	• ADJUSTING WASHER,1.40 MM THICK	AR	Z111100005-
	2430101192	• ADJUSTING WASHER,1.44 MM THICK	AR	Z111100005-
	2430101194	• ADJUSTING WASHER,1.48 MM THICK	AR	Z111100005-
	2430101196	• ADJUSTING WASHER,1.52 MM THICK	AR	Z111100005-
	2430101198	• ADJUSTING WASHER,1.56 MM THICK	AR	Z111100005-
	2430101200	• ADJUSTING WASHER,1.60 MM THICK	AR	Z111100005-
	2430101202	• ADJUSTING WASHER,1.64 MM THICK	AR	Z111100005-
	2430101204	• ADJUSTING WASHER,1.68 MM THICK	AR	Z111100005-
	2430101206	• ADJUSTING WASHER,1.72 MM THICK	AR	Z111100005-
	2430101208	• ADJUSTING WASHER,1.76 MM THICK	AR	Z111100005-
	2430101210	• ADJUSTING WASHER,1.80 MM THICK	AR	Z111100005-
	2430101212	• ADJUSTING WASHER,1.84 MM THICK	AR	Z111100005-
	2430101214	• ADJUSTING WASHER,1.88 MM THICK	AR	Z111100005-
	2430101216	• ADJUSTING WASHER,1.92 MM THICK	AR	Z111100005-
	2430101218	• ADJUSTING WASHER,1.96 MM THICK	AR	Z111100005-



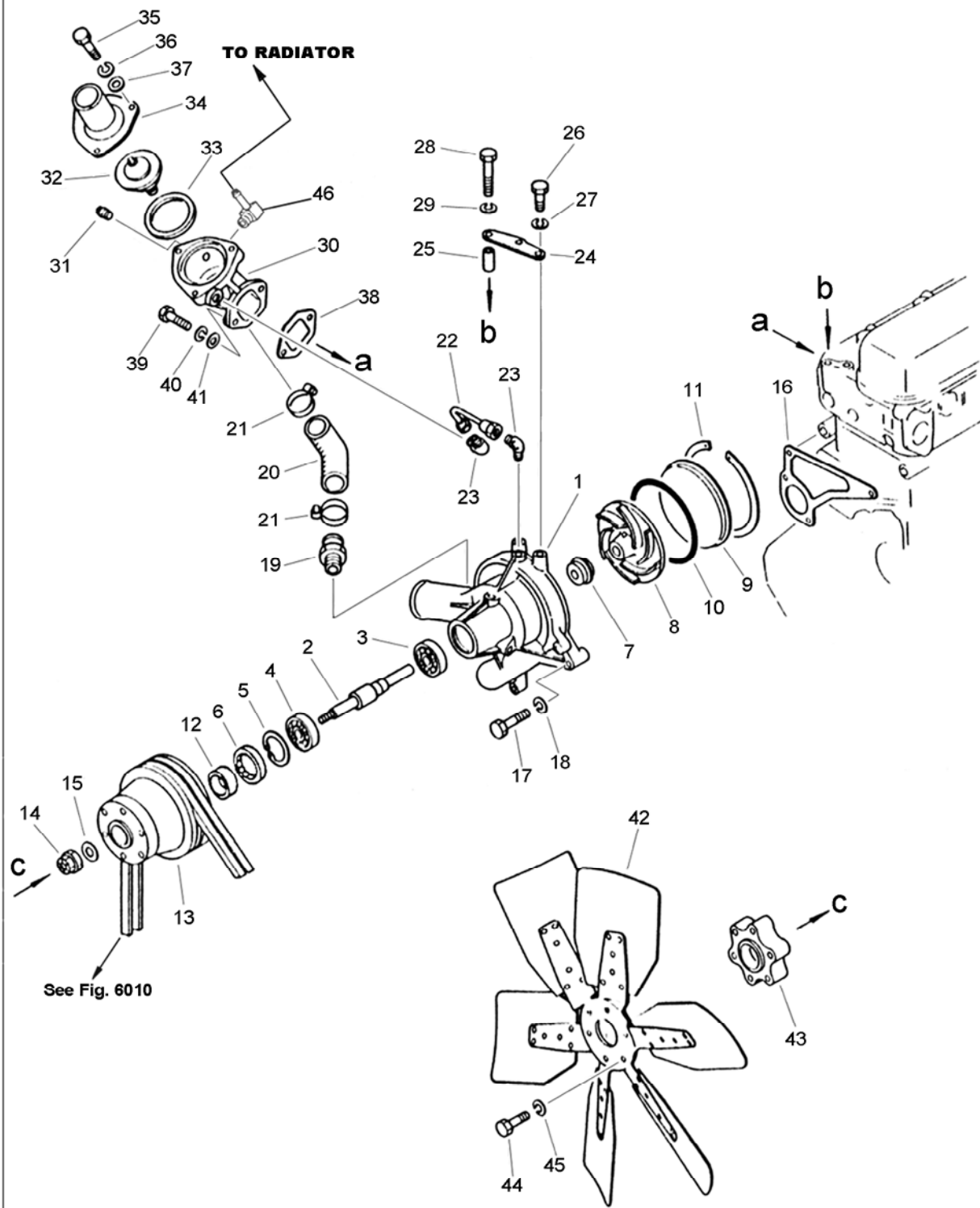
NOZZLE, FUEL INJECTION (MICO)
FIG. No. 4211

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
4	9431033126	• PRESSURE BOLT	1	Z111100005-
5	2430136085	• DISTANCE PIECE	1	Z111100005-
6	F002C30107	• NOZZLE	1	Z111100005-
7	9431033346	• NOZZLE CAPNUT	1	Z111100005-
8	2916650034	• CIRCLIP	1	Z111100005-
9	9431033422	• BANJO BOLT	1	Z111100005-
10	CPF06-00612 K1	WASHER, SEALING	12	Z111100005-
11	11Z7110907	• WASHER	6	Z111100005-
12	11Z7180519 K1	PACKING, DUST	6	Z111100005-
13	11Z7110501	FLANGE	6	Z111100005-
14	ZFB46-20850	BOLT	12	Z111100005-
15	11Z7180527	TUBE	1	Z111100005-
16	07270-20475	HOSE	1	Z111100005-
17	31Z7130097	JOINT	1	Z111100005-
18	07285-00085	CLIP	2	Z111100005-
19	11Z7110331	ADAPTER	1	Z111100005-
20	CFW01-11236	WASHER, SPRING	1	Z111100005-
21	31Z7110016	BOLT, JOINT	1	Z111100005-
22	CPF06-01412 K1	GASKET	3	Z111100005-



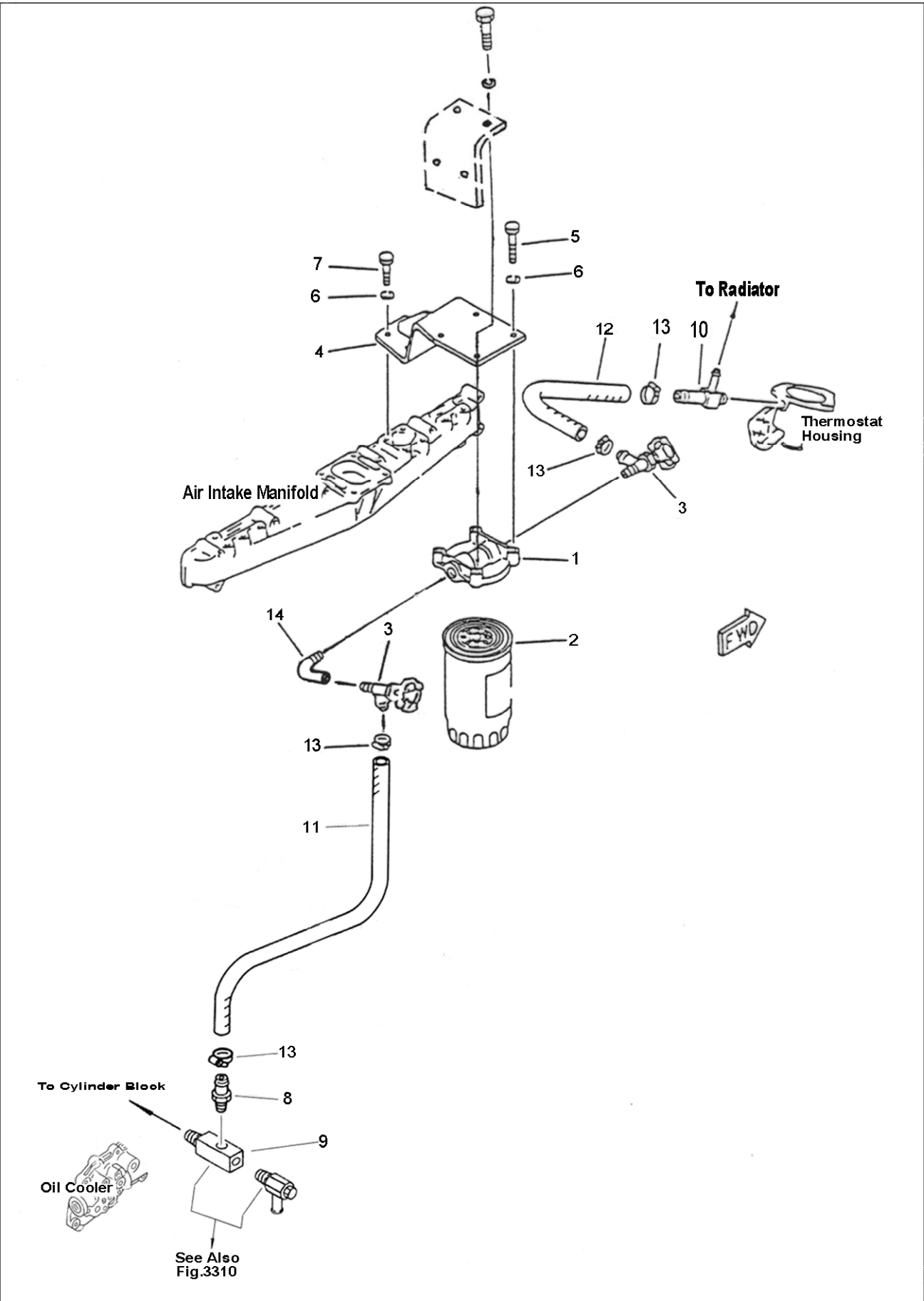
WATER PUMP & COOLING FAN
FIG. No. 5010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	10Z6100378	WATER PUMP ASSY.	1	Z111100001-
1	*10Z6140132	▪ BODY	1	Z111100001-
2	10Z6110243	▪ SHAFT	1	Z111100001-
3	10Z6180211 KW	▪ BEARING BALL	1	Z111100001-
4	06030-05304 KW	▪ BEARING BALL	1	Z111100001-
5	10Z6110251 KW	▪ RING SNAP	1	Z111100001-
6	10Z6180228 KW	▪ SEAL	1	Z111100001-
7	41Z6180822 K4,KW	▪ SEAL WATER	1	Z111100001-
8	10Z6140116	▪ IMPELLER	1	Z111100001-
9	10Z6110268	▪ COVER	1	Z111100001-
10	07000-02145 K4,KW	▪ O-RING	1	Z111100001-
11	42Z6190401 KW	▪ RING SNAP	1	Z111100001-
12	10Z6140149	▪ SLEEVE	1	Z111100001-
13	10Z6140384	▪ PULLEY	1	Z111100001-
14	CFN28-11415	▪ NUT	1	Z111100001-
15	CFW05-14045	▪ WASHER	1	Z111100001-
16	10Z6170079 K4,KW	GASKET	1	Z111100001-
17	CFB01-21060	BOLT	4	Z111100001-
18	CFW01-11030	WASHER SPRING	4	Z111100001-
19	10Z6140165	NIPPLE	1	Z111100001-
20	10Z6180236	HOSE	1	Z111100001-
21	CCC01-05012	CLAMP	2	Z111100001-
22	10Z6130089	PIPE	1	Z111100001-
23	07217-60510	ELBOW	2	Z111100001-
24	10Z6110292	BRACKET	1	Z111100001-
25	10Z6110284	SPACER	1	Z111100001-
26	CFS01-30816	SCREW	2	Z111100001-
27	CFW01-10825	WASHER	2	Z111100001-
28	CFB01-21065	BOLT	1	Z111100001-
29	CFW01-11030	WASHER	1	Z111100001-
30	10Z6120028	THERMO HOUSING	1	Z111100001-
31	CPL01-11521	PLUG	1	Z111100001-
32	10Z6180196	THERMOSTAT	1	Z111100001-
33	10Z6160172 K4	GASKET	1	Z111100001-



WATER PUMP & COOLING FAN**FIG. No. 5010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
34	11Z6180193	CONNECTOR	1	Z111100001-
35	CFB01-20830	BOLT	3	Z111100001-
36	CFW01-10825	WASHER SPRING	3	Z111100001-
37	CFW02-10816	WASHER	3	Z111100001-
38	10Z6170062 K4	GASKET	1	Z111100001-
39	CFB01-21055	BOLT	2	Z111100001-
40	CFW01-11030	WASHER SPRING	2	Z111100001-
41	CFW02-11020	WASHER	2	Z111100001-
42	10Z6180017	FAN	1	Z111100001-
43	10Z6140124	SPACER FAN	1	Z111100001-
44	ZFB46-11060	BOLT	6	Z111100001-
45	CFW01-11030	WASHER SPRING	6	Z111100001-
46	10Z6110454	ELBOW	1	Z111100001-



CORROSION RESISTOR**FIG. No. 5210**

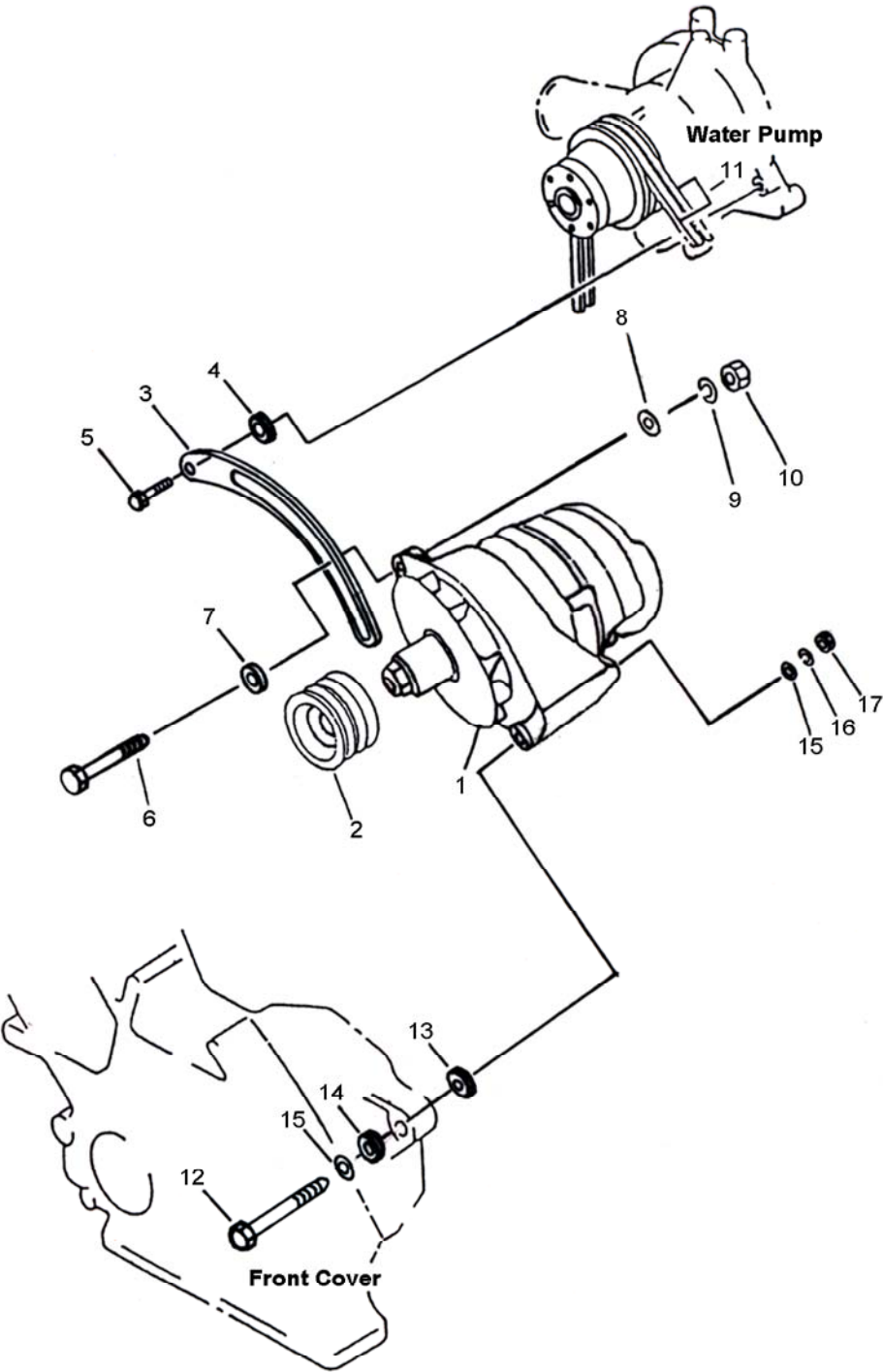
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	30Z6180504	CORROSION RESISTOR ASSY.	1	Z111100001-2
1	30Z6120191	HEAD, CORROSION RESISTOR	1	Z111100001-2
2	30Z6180448	KS	1	Z111100001-2
3	30Z6180512		2	Z111100001-2
4	10Z6130097	BRACKET	1	Z111100001-2
5	CFB25-20632	BOLT	4	Z111100001-2
6	CFW01-10929	WASHER	4	Z111100001-2
7	ZFB46-21020	BOLT	4	Z111100001-2
8	10Z6110276	NIPPLE	1	Z111100001-2
9	10Z6120052	CONNECTOR	1	Z111100001-2
10	10Z6130104	ELBOW	1	Z111100001-2
11	07260-20950	HOSE	1	Z111100001-2
12	07260-20928	HOSE	1	Z111100001-2
13	CCC01-02006	CLAMP	4	Z111100001-2
14	41Z7191581	ELBOW	1	Z111100001-2



BEML ANTI CORROSION FLUID

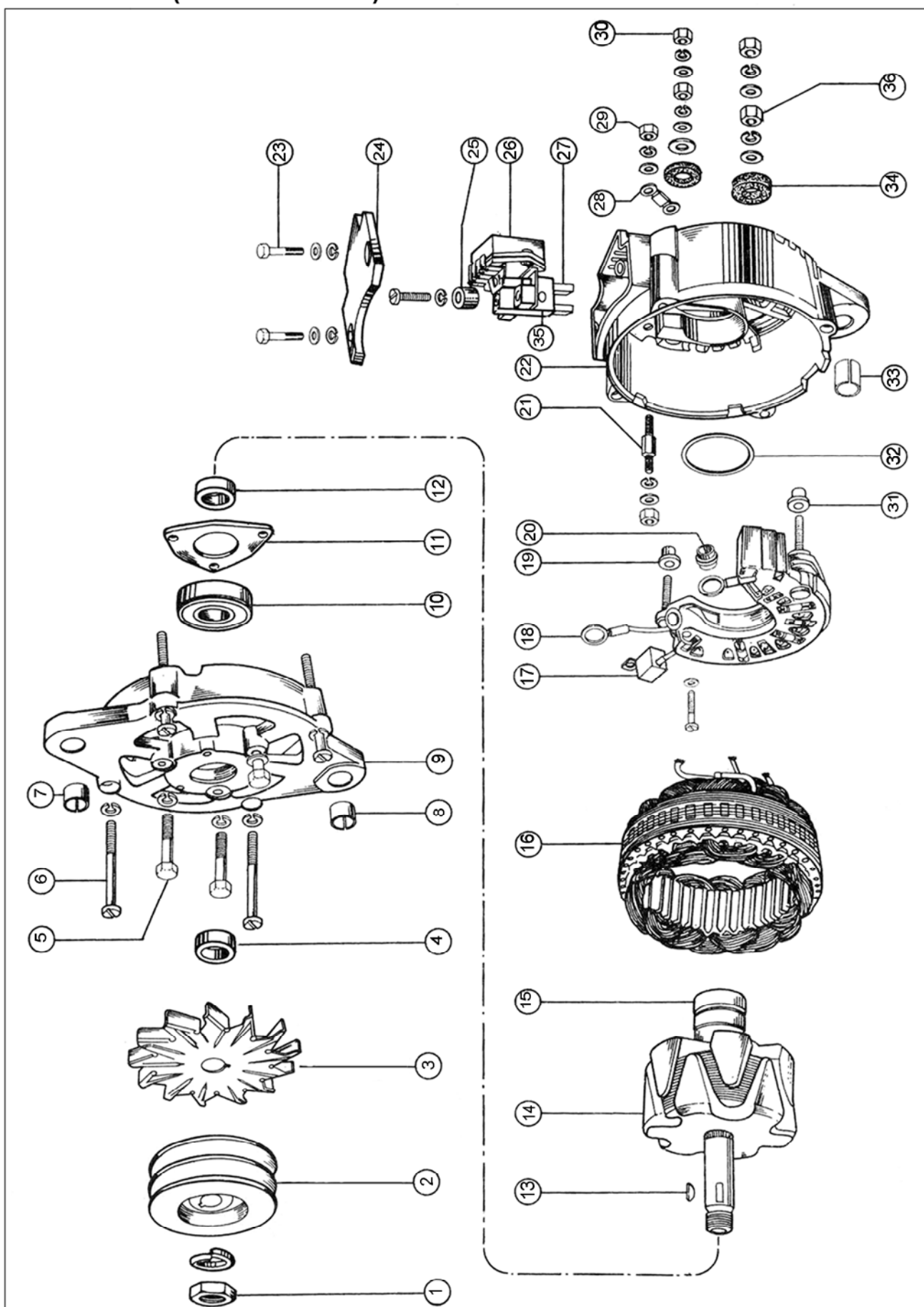
FIG. No. 5211

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	00Z0090498	BEMLACF- 5 LITRE	1	Z111100003-
2	00Z0090505 KS	BEMLACF- 1 LITRE	1	Z111100003-
	<u>NOTE:-</u> THIS IS NOT A SUBSTITUTE FOR ANTI-FREEZE AGENT.			



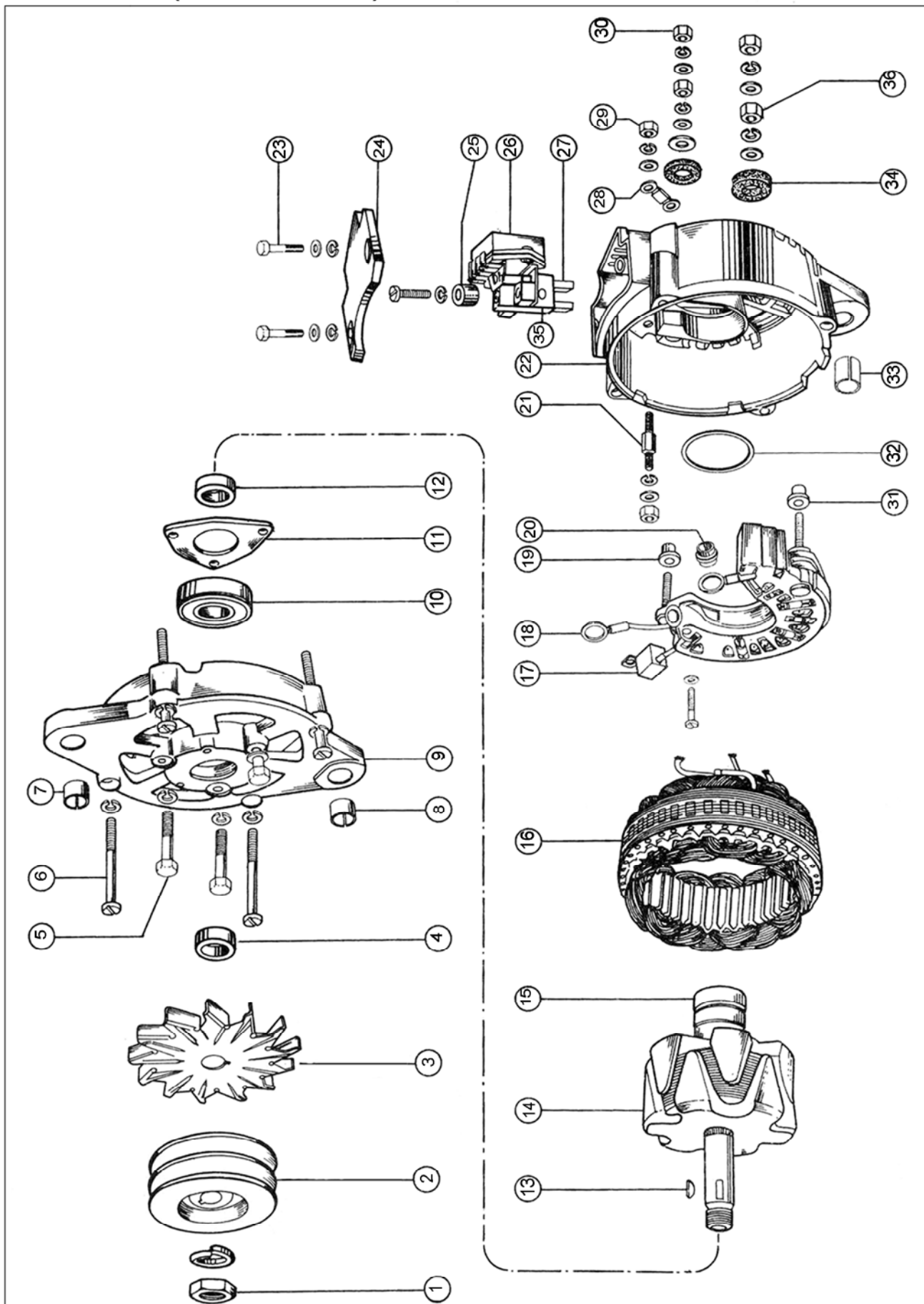
ALTERNATOR AND MOUNTING (LUCAS TVS 45A)**FIG. No. 6010**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8200316	ALTERNATOR,ASSY	1	Z111100001-
1	41Z8200687	ALTERNATOR (LUCAS- 45A)	1	Z111100001-
2	11Z8210271	PULLEY	1	Z111100001-
3	11Z8210174	PLATEADJUST	1	Z111100001-
4	11Z8210296	SPACER	1	Z111100001-
5	CFB01-21050	BOLT	1	Z111100001-
6	CFB01-21055	BOLT	1	Z111100001-
7	51Z8210638	WASHER	1	Z111100001-
8	CFW02-11020	WASHER	1	Z111100001-
9	CFW01-11030	WASHER,SPRING	1	Z111100001-
10	CFN01-21084	NUT	1	Z111100001-
11	04121-21757	V-BELT	1	Z111100001-
12	CFB02-21240	BOLT	1	Z111100001-
13	11Z8210296	SPACER	1	Z111100001-
14	11Z8210303	SPACER	1	Z111100001-
15	CFW02-11225	WASHER	2	Z111100001-
16	CFW01-11236	WASHER,SPRING	1	Z111100001-
17	CFN01-21211	NUT	1	Z111100001-



ALTERNATOR (LUCAS TVS - 45A)**FIG. No. 6012**

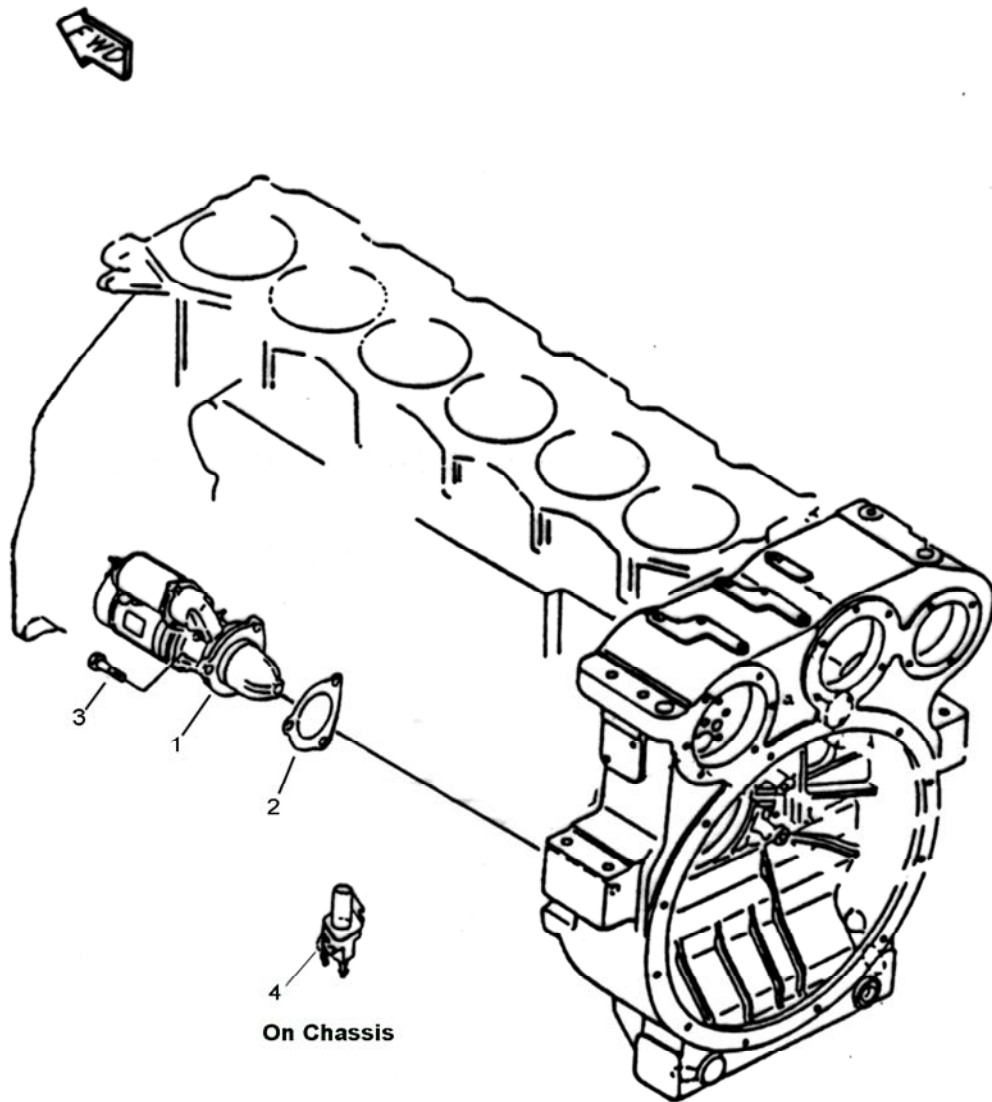
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	41Z8200687	ALTERNATOR	1	Z111100001-
	(LUCAS PART Nos)			Z111100001-
1	26130866	. NUT PULLEY	1	Z111100001-
2	11Z8210271	. PULLEY	1	Z111100001-
3	26212025	. FAN	1	Z111100001-
4	26212363	. SPACING COLLAR	1	Z111100001-
5	26102646	. SCREW (BEARING FIXING)	3	Z111100001-
6	26102386	. FIXING BOLT	4	Z111100001-
7	9030-321	. DE INSERT (TOP)	1	Z111100001-
8	26212327	. DE INSERT (BOTTOM)	1	Z111100001-
9	26212359	. DE BRACKET ASSEMBLY	1	Z111100001-
10	26212357	. DE BALL BEARING	1	Z111100001-
11	26212360	. BEARING RETAINER	1	Z111100001-
12	26213364	. BEARING COLLAR	1	Z111100001-
13	54150863	. WOODRUF KEY	1	Z111100001-
14	26213619	. ROTOR ASSEMBLY	1	Z111100001-
15	26211364	. BALL BEARING - SRE	1	Z111100001-
16	26212386	. STATOR ASSEMBLY	1	Z111100001-
17	26212141	. RFI CAPACITOR ASSEMBLY	1	Z111100001-
18	26948035A	. RECTIFIER ASSEMBLY	1	Z111100001-
19	26480275	. INSUL BUSH	1	Z111100001-
20	26480158	. INSUL BUSH	1	Z111100001-
21	26212267	. STUD	1	Z111100001-
22	26212204	. SRE BRACKET ASSEMBLY	1	Z111100001-
23	26102366	. SCREW (COVER FIXING)	2	Z111100001-
24	26212188	. COVER MOULDING	1	Z111100001-
25	26212265	. INSUL BUSH	1	Z111100001-
26	26938101A	. REGULATOR & BUSH BOX ASSY.	1	Z111100001-
27	26212112	. BRUSH SET	2	Z111100001-
28	26212212	. FUSE LINK	1	Z111100001-
29	26130126	. NUT	1	Z111100001-
30	26130126	. NUT	1	Z111100001-
31	26212119	. INSUL BUSH	1	Z111100001-
32	26211409	. O-RING	1	Z111100001-



ALTERNATOR (LUCAS TVS - 45A)

FIG. No. 6012

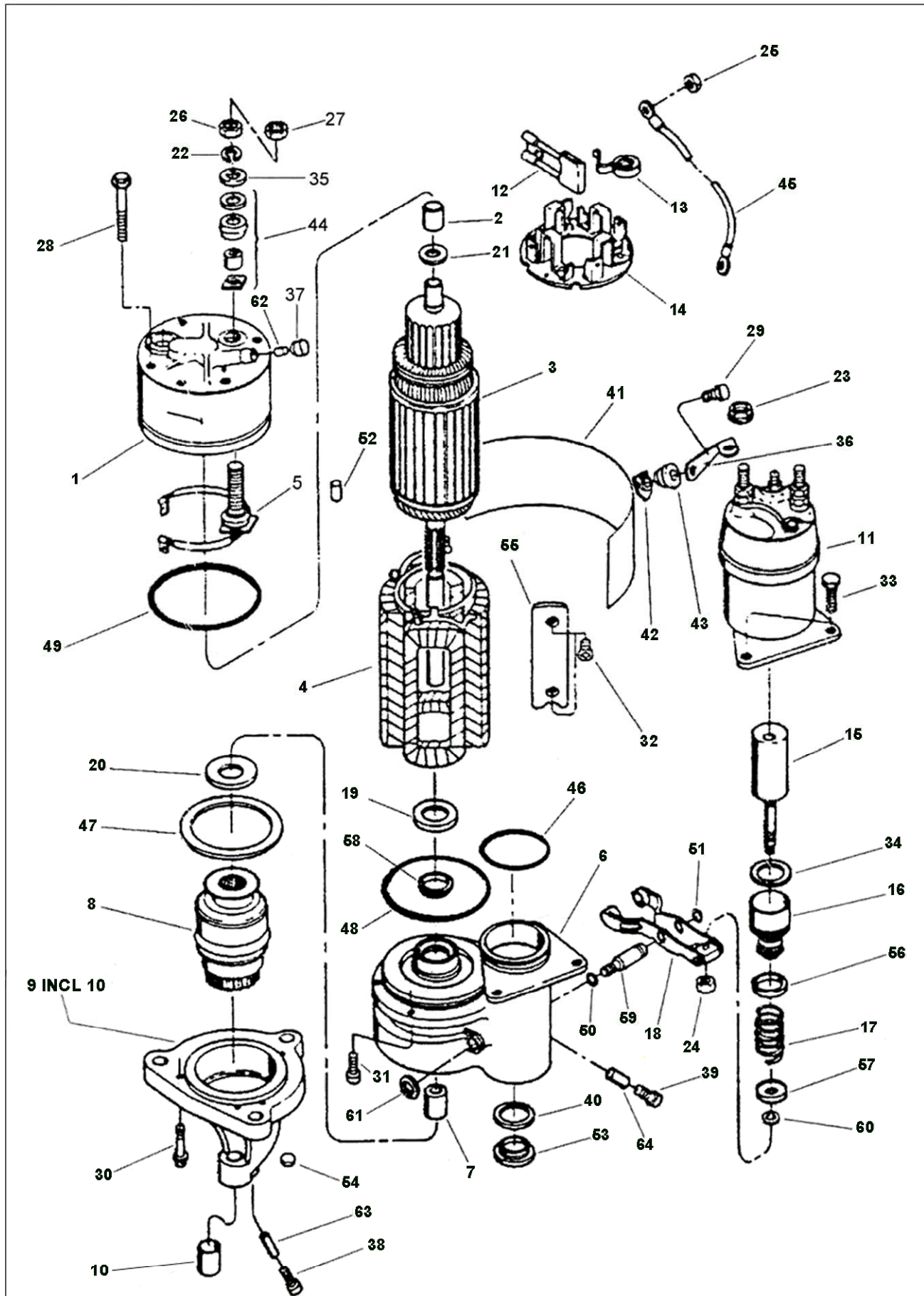
ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	26212328	. INSERT - SRE	1	Z111100001-
34	26212377	. CUP WASHER	1	Z111100001-
35	26211398	. BRUSH SPRING	2	Z111100001-
36	26130236	. NUT	1	Z111100001-



STARTER MOTOR AND MOUNTING

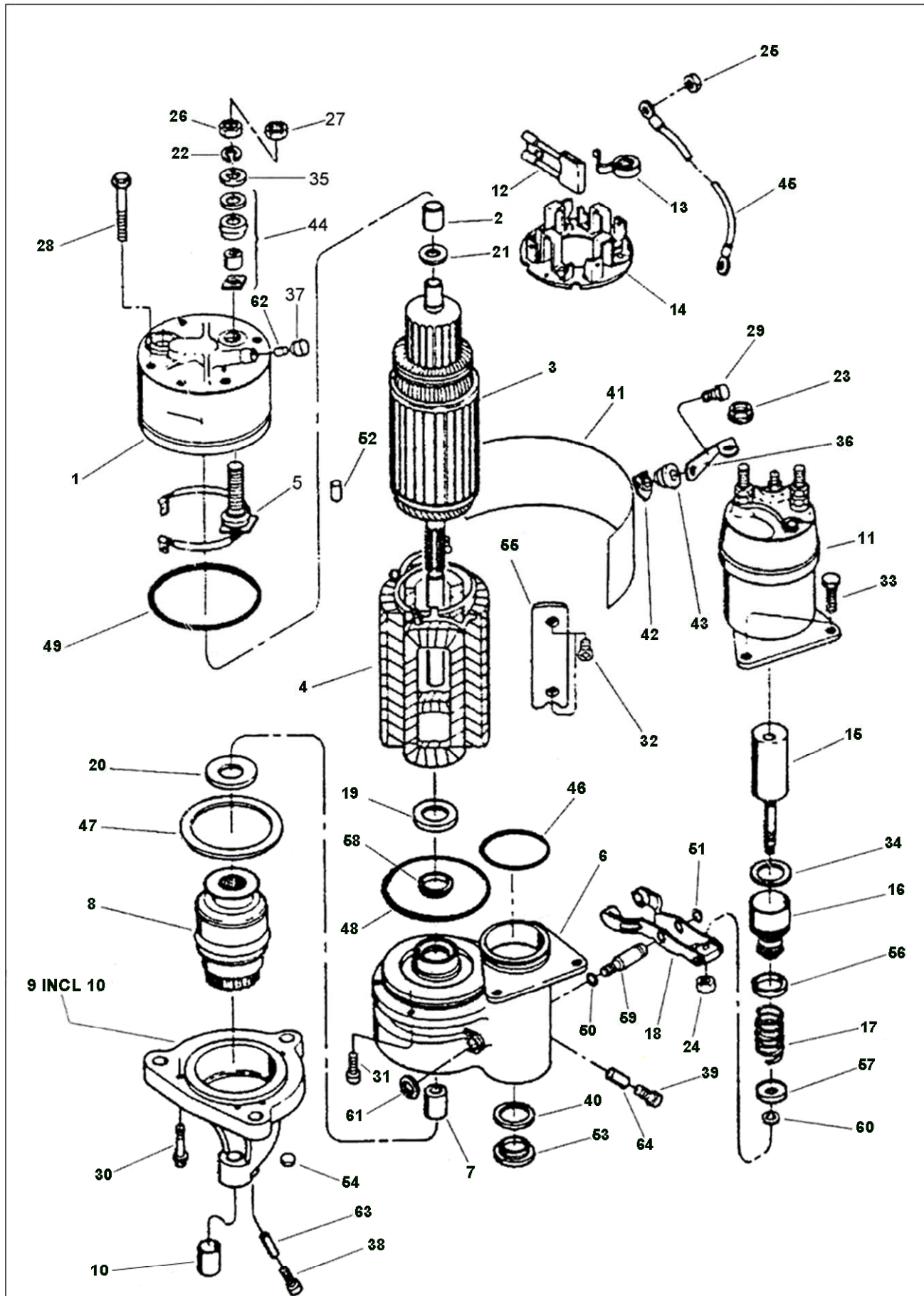
FIG. No. 6210

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	11Z8200268	STARTER (LUCAS TVS) 12T	1	Z111100001-
1	11Z8200616	STARTER (DELCO REMY) (OPTIONAL) 12T	1	Z111100001-
2	30Z8270078	GASKET	1	Z111100001-
3	01010-61630	BOLT	3	Z111100001-
4	30Z8281061	SOLENOID 24V-4ST(LUCAS TVS)	1	Z111100001-



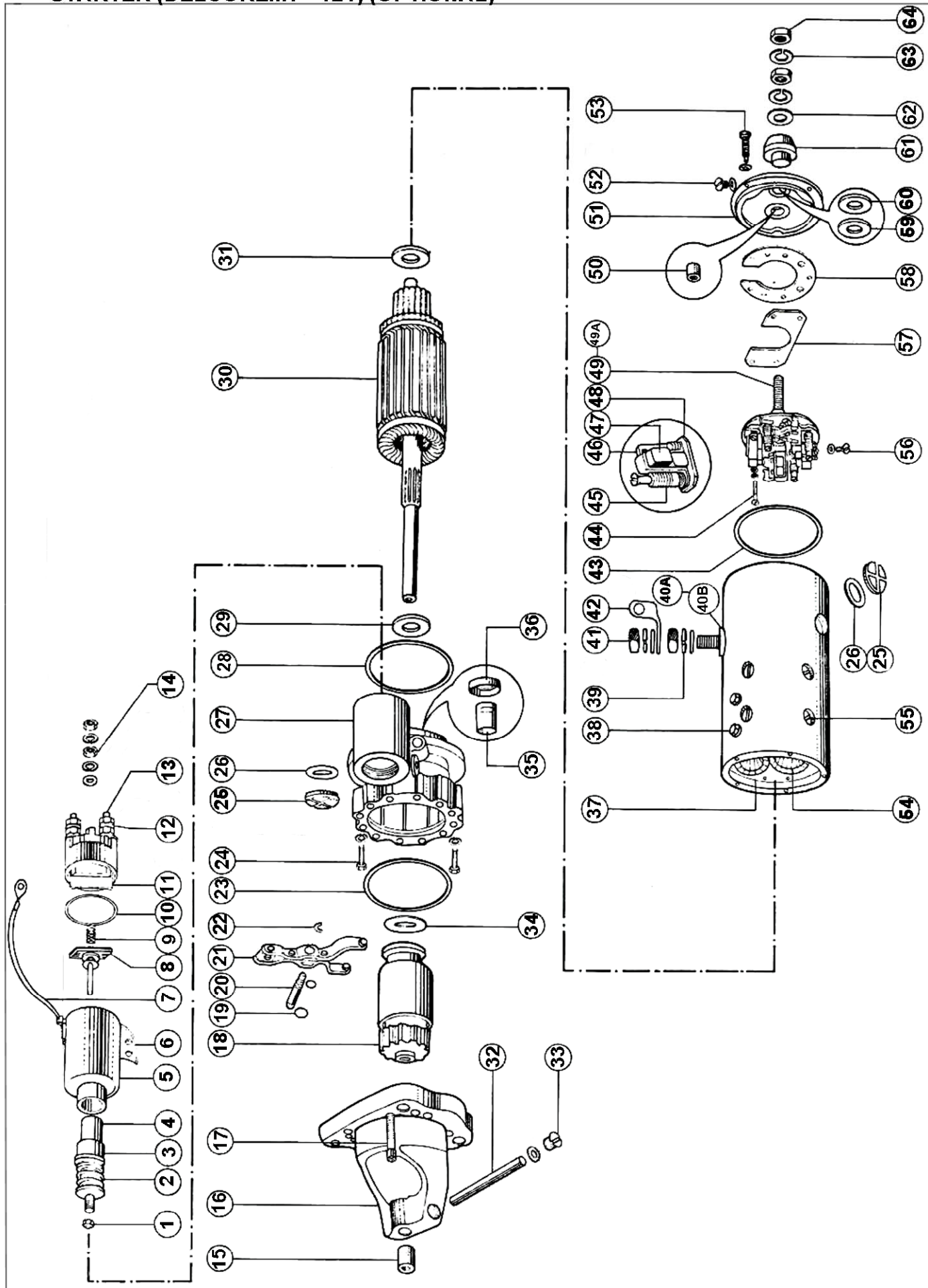
STARTER (LUCAS TVS - 12T)**FIG. No. 6211**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8200268 (LUCAS PT.No.)	STARTER (LUCAS TVS 12 TEETH)	1	Z111100001-
1	261 307 26	. NUT, PLUNGER SHAFT	1	Z111100001-
2	266 403 67	. PLUNGER SPRING	1	Z111100001-
3	266 403 65	. SHROUD	1	Z111100001-
4	266 403 35	. PLUNGER ASSEMBLY	1	Z111100001-
5	266 407 95	. BODY & WINDING ASSY	1	Z111100001-
6	269 640 12B	. SOLENOID SWITCH (37 S)	1	Z111100001-
7	262 524 47	. SHUNT LEAD	1	Z111100001-
8	266 407 79	. SPINDLE & CONT.ASSY	1	Z111100001-
9	266 406 80	. SPRING	1	Z111100001-
10	266 407 85	. SEAL(SOL)	1	Z111100001-
11	266 407 94	. TERMINAL BASE ASSY	1	Z111100001-
12	261 307 47	. NUT	4	Z111100001-
13	266 404 73	. TERM.CONT.ASSY	2	Z111100001-
14	261 301 17	. NUT	4	Z111100001-
15	262 521 00	. BEARING BUSH	1	Z111100001-
16	262 520 96	. MOUNTING FLANGE ASSY	1	Z111100001-
17	261 015 56	. FIXING SCREW	6	Z111100001-
18	262 535 80	. DRIVE ASSEMBLY	1	Z111100001-
19	9030-1285 K	. "O" RING	1	Z111100001-
20	262 521 57	. PIVOT PIN	1	Z111100001-
21	262 521 27	. ENGAGING LEVER ASSEMBLY	1	Z111100001-
22	267 111 81	. CIRCLIP	1	Z111100001-
23	262 527 73	. SEALING RING	1	Z111100001-
24	261 015 36	. FIXING SCREW D.E	6	Z111100001-
25	262 521 54	. SEALING PLUG	2	Z111100001-
26	262 521 55	. SEALING WASHER	6	Z111100001-
27	262 520 93	. D.E BRACKET	1	Z111100001-
28	262 524 25	. SEALING RING C.E	1	Z111100001-
29	262 521 41	. THRUST WASHER D.E	1	Z111100001-
30	262 530 68	. ARMATURE ASSEMBLY	1	Z111100001-
31	262 521 43	. THRUST WASHER C.E	1	Z111100001-



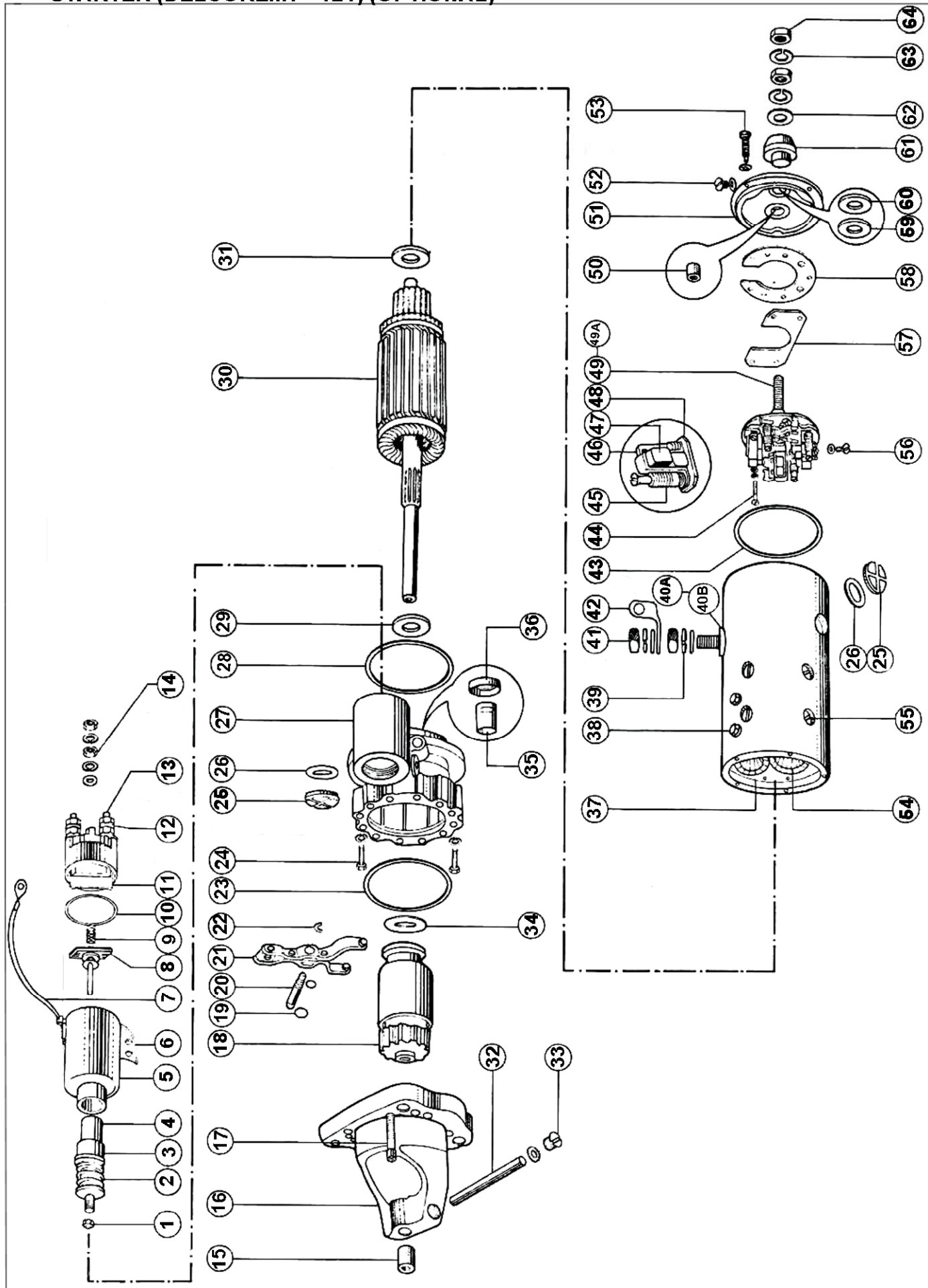
STARTER (LUCAS TVS - 12T)**FIG. No. 6211**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
32	262 521 68	. FELT CORD	AR	Z111100001-
33	9030-1958	. SCREW	1	Z111100001-
34	262 521 42	. STOP WASHER	1	Z111100001-
35	262 521 01	. BEARING BUSH D.E	1	Z111100001-
36	262 521 64	. OIL SEAL D.E	1	Z111100001-
37	262 538 59	. INSULATOR YOKE	1	Z111100001-
38	261 006 96	. SCREW(SOL.FXG)	4	Z111100001-
39	9030-167	. SPRING WASHER	2	Z111100001-
40A	262 521 61	. INSUL(BUSH)TOP	1	Z111100001-
40B	263 301 22	. INSUL(BUSH)BOTTOM	1	Z111100001-
41	261 307 47	. NUT	2	Z111100001-
42	262 539 05	. CONNECTOR	1	Z111100001-
43	262 524 25	. SEALING RING D.E	1	Z111100001-
44	261 005 86	. SCREW BR GEAR FXG	3	Z111100001-
45	262 521 62	. SPRING BRUSH	8	Z111100001-
46	262 521 06	. BRUSH HOLDER	4	Z111100001-
47	262 521 37	. BRUSH ASSEMBLY	8	Z111100001-
48	262 521 09	. INSULATOR BR ASSY.	2	Z111100001-
49	262 521 53	. BRUSH GEAR RING ASSY	1	Z111100001-
49A	262 538 21	. BRUSH CARRIER ASSY	1	Z111100001-
50	262 521 02	. BEARING BUSH C.E	1	Z111100001-
51	262 521 05	. C.E.BRACKET ASSY	1	Z111100001-
52	9030-1958	. SCREW	1	Z111100001-
53	261 015 36	. SCREW	4	Z111100001-
54	262 521 46	. FIELD OIL ASSY	1	Z111100001-
55	9030-809	. POLE SCREW	8	Z111100001-
56	261 005 86	. SCREW	6	Z111100001-
57	262 524 50	. POSITIVE CONNECTOR	1	Z111100001-
58	262 521 08	. BRUSH GEAR CARRIER	1	Z111100001-
59	262 521 35	. SEALING WASHER	1	Z111100001-
60	262 537 05	. INSUL WASHER	1	Z111100001-
61	262 525 26	. INSUL BUSH	1	Z111100001-
62	261 404 09	. WASHER	1	Z111100001-
63	9030-167	. SPRING WASHER	2	Z111100001-
64	261 307 47	. NUT	2	Z111100001-



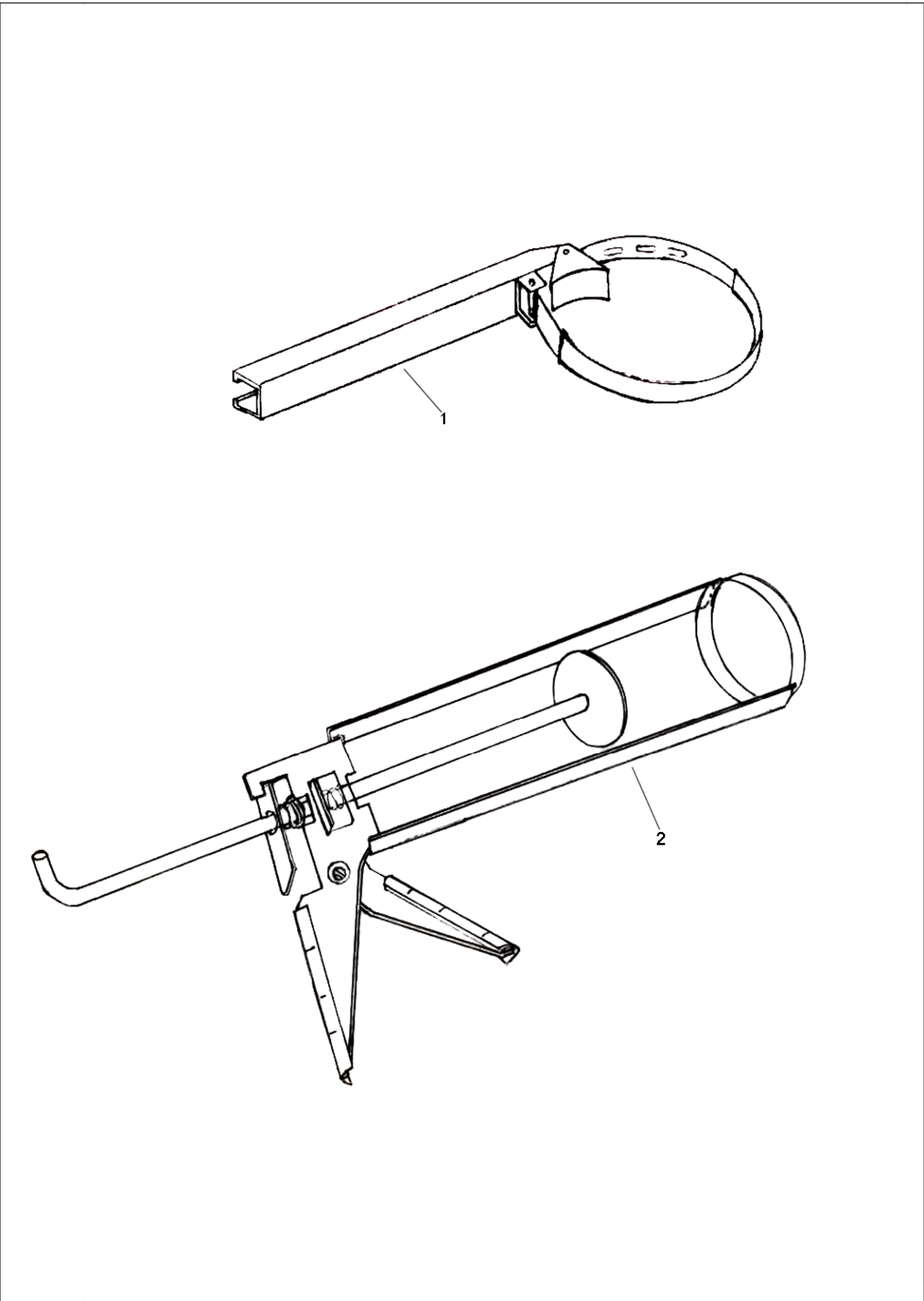
STARTER (DELCO REMY - 12T) (OPTIONAL)**FIG. No. 6212**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
	11Z8200616 (DELCOREMY PT. Nos.)	STARTER (DELCOREMY 12T)(OPT)	1	Z111100001-
1	1988126	▪ FRAME - CE		Z111100001-
2	1943628	▪ BUSHING - CE FRAME		Z111100001-
3	1988435	▪ ARMATURE		Z111100001-
4	1988422	▪ FIELD COIL		Z111100001-
5	198128	▪ LEAD CE TERMINAL		Z111100001-
6	19476030	▪ HOUSING LEVER		Z111100001-
7	1988096	▪ BUSHING LEVER HOUSING		Z111100001-
8	1893560	▪ PINION GEAR		Z111100001-
9	1988137	▪ HOUSING DRIVE		Z111100001-
10	1894635	▪ BUSHING DRIVE HOUSING		Z111100001-
11	1115663	▪ SWITCH		Z111100001-
12	1852894	▪ BRUSH		Z111100001-
13	1985314	▪ SPRING BRUSH		Z111100001-
14	1988439	▪ BRUSH PLATE ASM		Z111100001-
15	1988140	▪ PLUNGER		Z111100001-
16	1985243	▪ BOOT		Z111100001-
17	1948521	▪ SPRING PLUNGER		Z111100001-
18	1988097	▪ LEVER SHIFT		Z111100001-
19	1936466	▪ WASHER SPACE DE		Z111100001-
20	1911644	▪ WASHER BRAKE		Z111100001-
21	1985617	▪ WASHER THRUST CE		Z111100001-
22	9421427	▪ LOCK WASHER TERM STUD CE		Z111100001-
23	1979451	▪ NUT		Z111100001-
24	9412305	▪ NUT		Z111100001-
25	1979365	▪ NUT		Z111100001-
26	9441934	▪ NUT		Z111100001-
27	1979451	▪ NUT & WASHER ASM CE FRAME		Z111100001-
28	10499635	▪ SCREW & WASHER ASM CE		Z111100001-
29	10497770	▪ SCREW		Z111100001-
30	10499637	▪ SCREW		Z111100001-
31	10499639	▪ SCREW		Z111100001-
32	10499632	▪ SCREW POLE SHOE		Z111100001-



STARTER (DELCO REMY - 12T) (OPTIONAL)**FIG. No. 6212**

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
33	10497770	▪ SCREW & WASHER ASSY. SWITCH		Z111100001-
34	1948519	▪ WASHER		Z111100001-
35	30205	▪ WASHER		Z111100001-
36	10476198	▪ CONNECTOR		Z111100001-
37	1985246	▪ CUP OIL RESERVIOR - CE		Z111100001-
38	1978756	▪ CUP OIL RESERVIOR - DE		Z111100001-
39	1985246	▪ CUP OIL RESERVIOR - LEVER HSG		Z111100001-
40	1964857	▪ GASKET - LEVER HSG - INSP PLUG		Z111100001-
41	1988100	▪ INSULATOR		Z111100001-
42	1988339	▪ INSULATOR		Z111100001-
43	1988340	▪ INSULATOR		Z111100001-
44	10495183	▪ INSULATION PKG - CE TERMINAL		Z111100001-
45	10497104	▪ LEAD - CE TERM - SOLENOID SWITCH		Z111100001-
46	1985304	▪ O- RING BET SWITCH & LEVER HOUSING		Z111100001-
47	1851960	▪ O- RING BET DR HSG & LEVER HOUSING		Z111100001-
48	1916272	▪ O- RING BET LEV HOUSING & FRAME		Z111100001-
49	1985320	▪ O-RING ON MOTOR FR. CE END		Z111100001-
50	1894642	▪ O - RING SHIFT LEV SHAFT (3/8" OD)		Z111100001-
51	1894643	▪ O - RING SHIFT LEV SHAFT (1/2" OD)		Z111100001-
52	456652	▪ PIN SPRING (IN FRAME)		Z111100001-
53	1945356	▪ PLUG - INSPECTION LEVER HSG		Z111100001-
54	1949619	▪ PLUG - DRIVE HSG MTG HOLES		Z111100001-
55	1934478	▪ POLE - SHOE		Z111100001-
56	1948520	▪ RETAINER - PLUNGER SPRING		Z111100001-
57	1948526	▪ RETAINER - PLUNGER SPRING		Z111100001-
58	1918047	▪ SEAL OIL - LEVER HOUSING		Z111100001-
59	10456430	▪ SHAFT - SHIFT LEVER		Z111100001-
60	9416374	▪ SNAP RING - PLUNGER ASSY		Z111100001-
61	9416374	▪ SNAP RING - SHIFT LEVER SHIFT		Z111100001-
62	199138	▪ WICK OIL RESERVIOR - CE		Z111100001-
63	1978754	▪ WICK OIL RESERVIOR - DE		Z111100001-
64	1985247	▪ WICK OIL RESERVIOR - LEVER HSG		Z111100001-



TOOLS

FIG. No. 7010

ITEM	PART NUMBER	NAME OF PART	QTY	ENGINE SL.No.
1	09019-08035	WRENCH, FILTER	1	Z111100001-
2	7427500995	LIQUID GASKET APPLICATOR	1	Z111100001-

CYLINDER HEAD GASKET KIT
FIG. No. K-1

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
	11Z9900175	CYLINDER HEAD GASKET KIT	–	1	Z111100001-
1	10Z1170061	▪ GASKET HEAD	1010	1	Z111100001-
2	10Z1270226	▪ GASKET	1310	2	Z111100001-
3	10Z1280213	▪ GASKET INTAKE	1310	1	Z111100001-
4	10Z1310086	▪ GASKET EXHAUST	1510	3	Z111100001-
5	10Z2180115	▪ GASKET	3250	1	Z111100001-
6	10Z2270017	▪ GASKET	1010	1	Z111100001-
7	10Z4160209	▪ GASKET	1110	1	Z111100001-
8	10Z4170034	▪ PACKING	1110	4	Z111100001-
9	10Z7180165	▪ PACKING DUST	4210	6	Z111100001-004
10	11Z1210226	▪ GASKET	1510	1	Z111100001-
11	11Z1270231	▪ GASKET OIL INLET	3250	1	Z111100001-
12	11Z1270248	▪ GASKET	3250	1	Z111100003-
13	11Z7180519	▪ PACKING DUST	4211	6	Z111100005-
14	11Z8170055	▪ GASKET	3250	1	Z111100001-002
15	30Z2160271	▪ O-RING	1110	1	Z111100001-
16	CPF06-00612	▪ WASHER SEALING	4211	12	Z111100005-
17	CPF06-00812	▪ GASKET	4210	2	Z111100001-004
18	CPF06-01412	▪ GASKET	3250	2	Z111100001-
19	CPF06-01412	▪ GASKET	4211	3	Z111100005-
20	CPF06-01412	▪ GASKET	4210	3	Z111100001-004

CYLINDER BLOCK GASKET KIT
FIG. No. K-2

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
	11Z9900183	CYLINDER BLOCK GASKET KIT	--	1	Z111100001-
1	07000-02070	▪ O-RING	2050	1	Z111100001-
2	07000-62060	▪ O-RING	2210	1	Z111100001-
3	07000-63022	▪ O-RING	3112	2	Z111100042-
4	07000-63022	▪ O-RING	3112	2	Z111100042-
5	07000-63028	▪ O-RING	3110	2	Z111100001-041
6	07000-63028	▪ O-RING	3112	2	Z111100042-
7	07000-63035	▪ O-RING	3010	1	Z111100001-
8	07000-73028	▪ O-RING	3310	1	Z111100001-
9	07002-01623	▪ O-RING	2110	1	Z111100001-
10	07002-02434	▪ O-RING	2110	1	Z111100001-
11	07002-02434	▪ O-RING	2210	2	Z111100001-
12	07012-00032	▪ SEAL OIL	4020	1	Z111100001-
13	10Z2160092	▪ SEAL CREVICE	2010	6	Z111100001-
14	10Z2160108	▪ O-RING UPPER	2010	6	Z111100001-
15	10Z2160157	▪ O-RING LOWER	2010	6	Z111100001-
16	10Z2370036	▪ GASKET	2050	1	Z111100001-
17	10Z2370044	▪ GASKET	2050	1	Z111100001-
18	10Z2380064	▪ SEAL FRONT	2050	1	Z111100001-
19	10Z3280047	▪ SEAL REAR	2210	1	Z111100001-
20	10Z5160113	▪ O-RING	3310	1	Z111100001-
21	10Z5160113	▪ O-RING	3310	2	Z111100001-
22	10Z5160398	▪ O-RING	3310	1	Z111100001-
23	10Z5170125	▪ GASKET	3310	1	Z111100001-
24	10Z5170206	▪ GASKET	3310	2	Z111100001-004
25	10Z5170588	▪ GASKET	3310	2	Z111100005-
26	10Z7110342	▪ WASHER LOCK	4020	1	Z111100001-
27	10Z7170048	▪ GASKET	4020	1	Z111100001-
28	11Z3270049	▪ GASKET	2210	1	Z111100001-
29	11Z3270138	▪ GASKET	2210	1	Z111100001-
30	30Z7160337	▪ GASKET	2050	1	Z111100001-
31	30Z7180433	▪ SEAL OIL	2050	1	Z111100001-
32	30Z8270078	▪ GASKET	6210	1	Z111100001-

CYLINDER BLOCK GASKET KIT

FIG. No. K-2

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
33	C6011-81000	. LG7	2110	1	Z111100001-
34	CFB17-51845	. BOLT	2310	1	Z111100001-
35	CHS01-02018	. O-RING	3310	1	Z111100001-
36	CHS01-13022	. O-RING	3310	1	Z111100001-
37	CPF06-00812	. GASKET	4110	1	Z111100001-
38	CPF06-00812	. GASKET	4131	1	Z111100001-
39	CPF06-01012	. GASKET	4020	2	Z111100001-
40	CPF06-01012	. GASKET	4020	2	Z111100001-
41	CPF06-01212	. GASKET	2010	1	Z111100001-
42	CPF06-01212	. GASKET	4020	2	Z111100001-
43	CPF06-01212	. GASKET	4020	2	Z111100001-
44	CPF06-01412	. GASKET	4130	4	Z111100001-
45	CPF06-01412	. GASKET	4110	4	Z111100001-
46	CPF06-01412	. GASKET	4110	4	Z111100001-
47	CPF06-01412	. GASKET	4110	4	Z111100001-

P.T.O HOUSING GASKET KIT
FIG. No. K3

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
	11Z9900475	P.T.O HOUSING GASKET KIT	---	1	Z111100001-
1	01658-26223	▪ WASHER LOCK	2230	1	Z111100001-
2	01658-26223	▪ LOCK	2231	1	Z111100001-
3	07000-02010	▪ O-RING	2230	1	Z111100001-
4	07000-62075	▪ O-RING	2231	2	Z111100001-
5	07000-62075	▪ O-RING	2231	2	Z111100001-
6	07000-62095	▪ O-RING	2231	1	Z111100001-
7	07000-63088	▪ O-RING	2231	1	Z111100001-
8	07000-65110	▪ O-RING	2230	1	Z111100001-
9	07000-65110	▪ O-RING	2231	1	Z111100001-
10	11Z3270187	▪ GASKET	2231	1	Z111100001-
11	30Z3210185	▪ WASHER LOCK	2230	3	Z111100001-
12	30Z3210258	▪ BOLT	2232	1	Z111100001-
13	30Z3260502	▪ O-RING	2230	1	Z111100001-
14	30Z3260519	▪ O-RING	2231	1	Z111100001-
15	30Z3260527	▪ O-RING	2230	1	Z111100001-
16	30Z3260527	▪ O-RING	2231	1	Z111100001-
17	33Z3270311	▪ GASKET	2230	1	Z111100001-
18	CPF06-01012	▪ GASKET	2232	22	Z111100001-

WATER PUMP GASKET KIT**FIG. No. K-4**

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
	11Z9900507	WATER PUMP GASKET KIT		1	Z111100001-
1	10Z6160172	▪ GASKET	5010	1	Z111100001-
2	10Z6170062	▪ GASKET	5010	1	Z111100001-
3	07000-02145	▪ O-RING	5010	1	Z111100001-
4	10Z6170079	▪ GASKET	5010	1	Z111100001-
5	41Z6180822	▪ SEAL WATER	5010	1	Z111100001-
WATER PUMP SERVICE KIT					FIG. No. K-W
ITEM		NAME OF PART	FIG No.	QTY	ENGINE SL.No.
	10Z9900064	WATER PUMP SEVICE KIT	--	1	Z111100001-
1	07000-02145	▪ O-RING	5010	1	Z111100001-
2	10Z6170079	▪ GASKET	5010	1	Z111100001-
3	41Z6180822	▪ SEAL WATER	5010	1	Z111100001-
4	06030-05304	▪ BEARING BALL	5010	1	Z111100001-
5	10Z6110251	▪ RING SNAP	5010	1	Z111100001-
6	10Z6180211	▪ BEARING BALL	5010	1	Z111100001-
7	10Z6180228	▪ SEAL	5010	1	Z111100001-
8	42Z6190401	▪ RING SNAP	5010	1	Z111100001-

TURBOCHARGER KIT**FIG. No. K-T**

ITEM	PART NUMBER	NAME OF PART	FIG.No.	QTY	ENGINE SL.No.
1	11Z8100484	CORE ASSY.	1512	1	Z111100001-
2	11Z8100492	OVERHAUL KIT	1512	1	Z111100001-
3	11Z8100508	SECONDARY KIT	1512	1	Z111100001-
SERVICE KIT (250 Hrs.)					FIG. No. K- S
ITEM		NAME OF PART	FIG No.	QTY	ENGINE SL.No.
	10Z9900178	SERVICE KIT			
1	00Z0090505	▪ BEMLACF-1 LITRE	5211	1	Z111100001-
2	11Z7180235	▪ CARTRIDGE PRE-FILTER	4110	1	Z111100001-
3	30Z5180495	▪ CARTRIDGE	3110	1	Z111100001-041
4	30Z5180495	▪ CARTRIDGE	3112	1	Z111100042-
5	30Z6180448	▪ CARTRIDGE	5210	1	Z111100001-2
6	30Z7180369	▪ CARTRIDGE	4110	1	Z111100001-

INDEX

PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM	PART No.	Fig.No.	ITEM
30205	6212	35	10497770	6212	29	26252141	6211	29
198128	6212	5	10497770	6212	33	26252142	6211	34
199138	6212	62	10499632	6212	32	26252143	6211	31
456652	6212	52	10499635	6212	28	26252146	6211	54
1115663	6212	11	10499637	6212	30	26252153	6211	49
1851960	6212	47	10499639	6212	31	26252154	6211	25
1852894	6212	12	19476030	6212	6	26252155	6211	26
1893560	6212	8	26100586	6211	44	26252157	6211	20
1894635	6212	10	26100586	6211	56	26252161	6211	40A
1894642	6212	50	26100696	6211	38	26252162	6211	45
1894643	6212	51	26101536	6211	24	26252164	6211	36
1911644	6212	20	26101536	6211	53	26252168	6211	32
1916272	6212	48	26101556	6211	17	26252425	6211	28
1918047	6212	58	26102366	6012	23	26252425	6211	43
1934478	6212	55	26102386	6012	6	26252447	6211	7
1936466	6212	19	26102646	6012	5	26252450	6211	57
1943628	6212	2	26130117	6211	14	26252526	6211	61
1945356	6212	53	26130126	6012	29	26252773	6211	23
1948519	6212	34	26130126	6012	30	26253068	6211	30
1948520	6212	56	26130236	6012	36	26253580	6211	18
1948521	6212	17	26130726	6211	1	26253705	6211	60
1948526	6212	57	26130747	6211	12	26253821	6211	49A
1949619	6212	54	26130747	6211	41	26253859	6211	37
1964857	6212	40	26130747	6211	64	26253905	6211	42
1978754	6212	63	26130866	6012	1	26330122	6211	40B
1978756	6212	38	26140409	6211	62	26480158	6012	20
1979365	6212	25	26211364	6012	15	26480275	6012	19
1979451	6212	23	26211398	6012	35	26640335	6211	4
1979451	6212	27	26211409	6012	32	26640365	6211	3
1985243	6212	16	26212025	6012	3	26640367	6211	2
1985246	6212	37	26212112	6012	27	26640473	6211	13
1985246	6212	39	26212119	6012	31	26640680	6211	9
1985247	6212	64	26212141	6012	17	26640779	6211	8
1985304	6212	46	26212188	6012	24	26640785	6211	10
1985314	6212	13	26212204	6012	22	26640794	6211	11
1985320	6212	49	26212212	6012	28	26640795	6211	5
1985617	6212	21	26212265	6012	25	26711181	6211	22
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30Z3240399	2231	5	30Z8270078	K2	32	CFB01-21020	3010	29
30Z3240414	2231	12	30Z8280098	1310	17	CFB01-21025	2231	11
30Z3240422	2232	1	30Z8281061	6210	4	CFB01-21025	2232	4
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30Z7180369	4110	16	CFB01-20830	4023	4	CFK01-07022	4020	15
30Z7180369	KS	5	CFB01-20830	3010	20	CFK01-18050	2231	23

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CFL01-14018	2231	8	CFW01-10825	3010	19	CFW02-11020	5010	41
CFL01-14518	2231	16	CFW01-10825	3010	23	CFW02-11220	3112	5
CFL02-11610	3010	16	CFW01-10825	3010	27	CFW02-11225	6010	15
CFL02-14018	2350	3	CFW01-10825	3010	35	CFW03-10616	1310	21
CFL02-18530	2231	15	CFW01-10825	3110	6	CFW03-10816	3310	16
CFN01-20652	1310	19	CFW01-10825	3310	15	CFW05-10032	2250	4
CFN01-20868	1110	7	CFW01-10825	3310	22	CFW05-10032	3250	9
CFN01-20868	3112	10	CFW01-10825	3310	29	CFW05-10032	1610	12
CFN01-20868	3112	32	CFW01-10825	5010	27	CFW05-12032	2210	12
CFN01-20868	4023	6	CFW01-10825	5010	36	CFW05-12032	2310	12
CFN01-20868	2010	26	CFW01-10929	4110	3	CFW05-14045	5010	15
CFN01-20868	3010	34	CFW01-10929	5210	6	CHS01-02018	K2	35
CFN01-20868	3310	14	CFW01-11030	3112	16	CHS01-12018	3310	10
CFN01-21084	4020	36	CFW01-11030	3112	27	CHS01-13022	3310	25
CFN01-21084	6010	10	CFW01-11030	3112	31	CHS01-13022	K2	36
CFN01-21211	6010	17	CFW01-11030	3250	21	CPF06-00612	4211	10
CFN01-21284	4110	7	CFW01-11030	4020	4	CPF06-00612	K1	16
CFN28-11415	5010	14	CFW01-11030	4020	12	CPF06-00812	4110	18
CFP04-00514	2010	5	CFW01-11030	4020	33	CPF06-00812	K2	37
CFP04-00514	2210	9	CFW01-11030	4020	37	CPF06-00812	4131	12
CFP04-01228	2250	5	CFW01-11030	4110	14	CPF06-00812	K2	38
CFP04-01228	2010	11	CFW01-11030	6010	9	CPF06-00812	4210	10
CFP13-03016	2050	24	CFW01-11030	1410	20	CPF06-00812	K1	17
CFP13-04008	2010	7	CFW01-11030	1610	5	CPF06-01012	2232	3
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CFP13-08020	2010	16	CFW01-11030	3110	10	CPF06-01012	K3	18
CFS01-10820	2010	25	CFW01-11030	5010	18	CPF06-01012	4020	45
CFS01-30620	1310	18	CFW01-11030	5010	29	CPF06-01012	K2	39
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CFS01-30820	3010	18	CFW01-11236	3112	4	CPF06-01212	K2	41
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CFS01-31235	2231	32	CFW02-10816	3112	20	CPF06-01412	K2	45
CFS01-31235	2310	10	CFW02-10816	1310	6	CPF06-01412	4110	25
CFS24-31025	4020	11	CFW02-10816	1310	13	CPF06-01412	K2	46
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CFW01-10825	1310	12	CFW02-11020	1510	11	CPF12-11014	4130	5

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CPL02-10810	3112	13						
CPL02-10810	3110	3						
CPL02-11113	2010	14						
CPL03-12412	2110	9						
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F002A10627	4021	52						
F002A11226	4021	16						
F002A11236	4021	17						
F002A20095	4022							
F002A20595	4022							
F002A20864	4022	27						
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F002C30107	4211	6						
ZFB46-10820	2110	3						
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ZFB46-11235	2210	11						
ZFB46-20820	2410	5						
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ZFB46-20855	4210	13						
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ZFB46-21025	1410	3						
ZFB46-21255	2210	10						
ZFB46-21280	2050	28						
ZFB47-11015	1510	6						
ZFB47-21000	1510	4						
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