

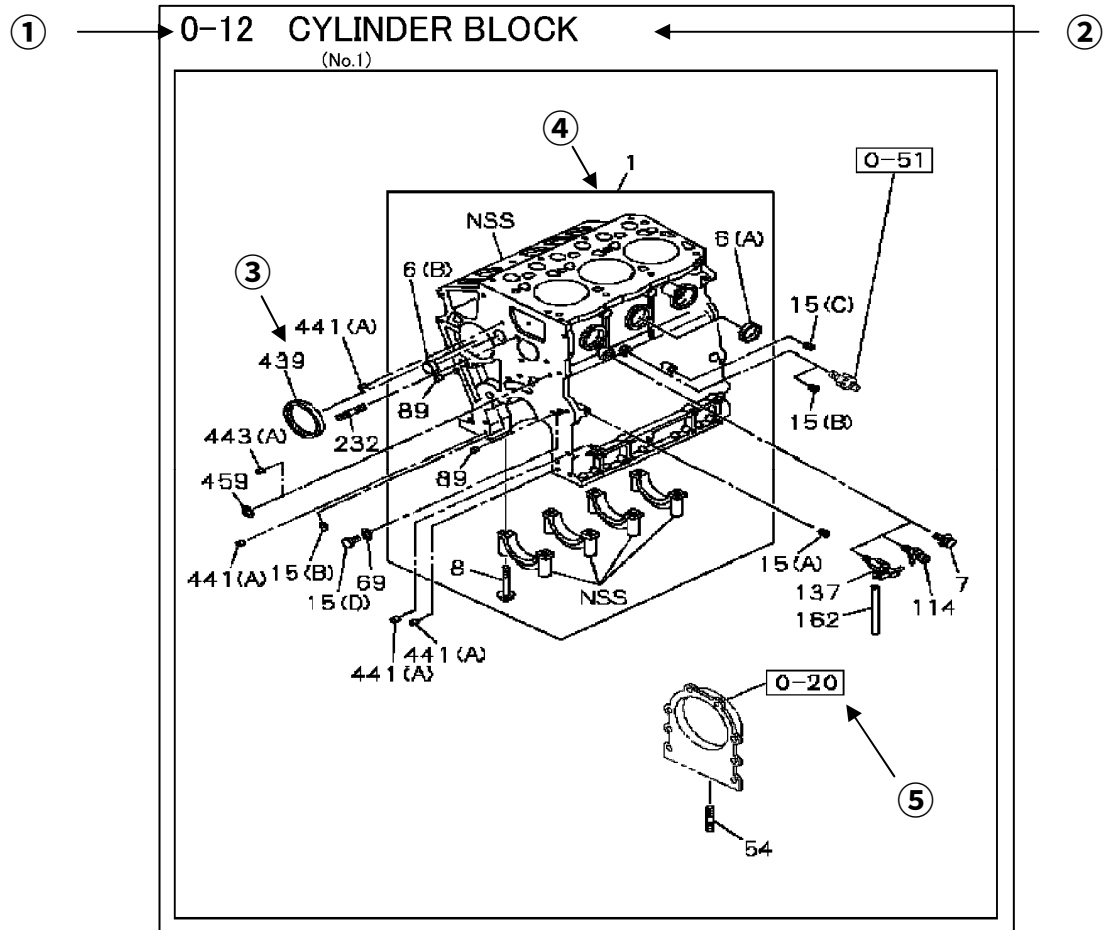
ISUZU

DIESEL ENGINE

6BG1 TRD03

PARTS CATALOG

How to refer to the Parts Catalog



① FIG. NO.

3-digit (X-XX) has been assigned to each section and illustration in the parts catalogue. The first digit from the right identifies the section originated in primary catalogue and the second and third digits identify the subsection.

For instance, "0-12" means Engine (0) and Cylinder Block (12).

② Nomenclature of Illustrated Parts

The title contains a generic name(s) for the item(s) illustrated.

③ KEY NUMBER

The Key Number connects the illustrated part to the appropriate text.

Items described as "NSS" that stands of "Not Serviced Separately" are not a unit for replacement but is supplied in other unit such as assembly.

④ ASSEMBLY, KIT, SET AND COMPONENTS

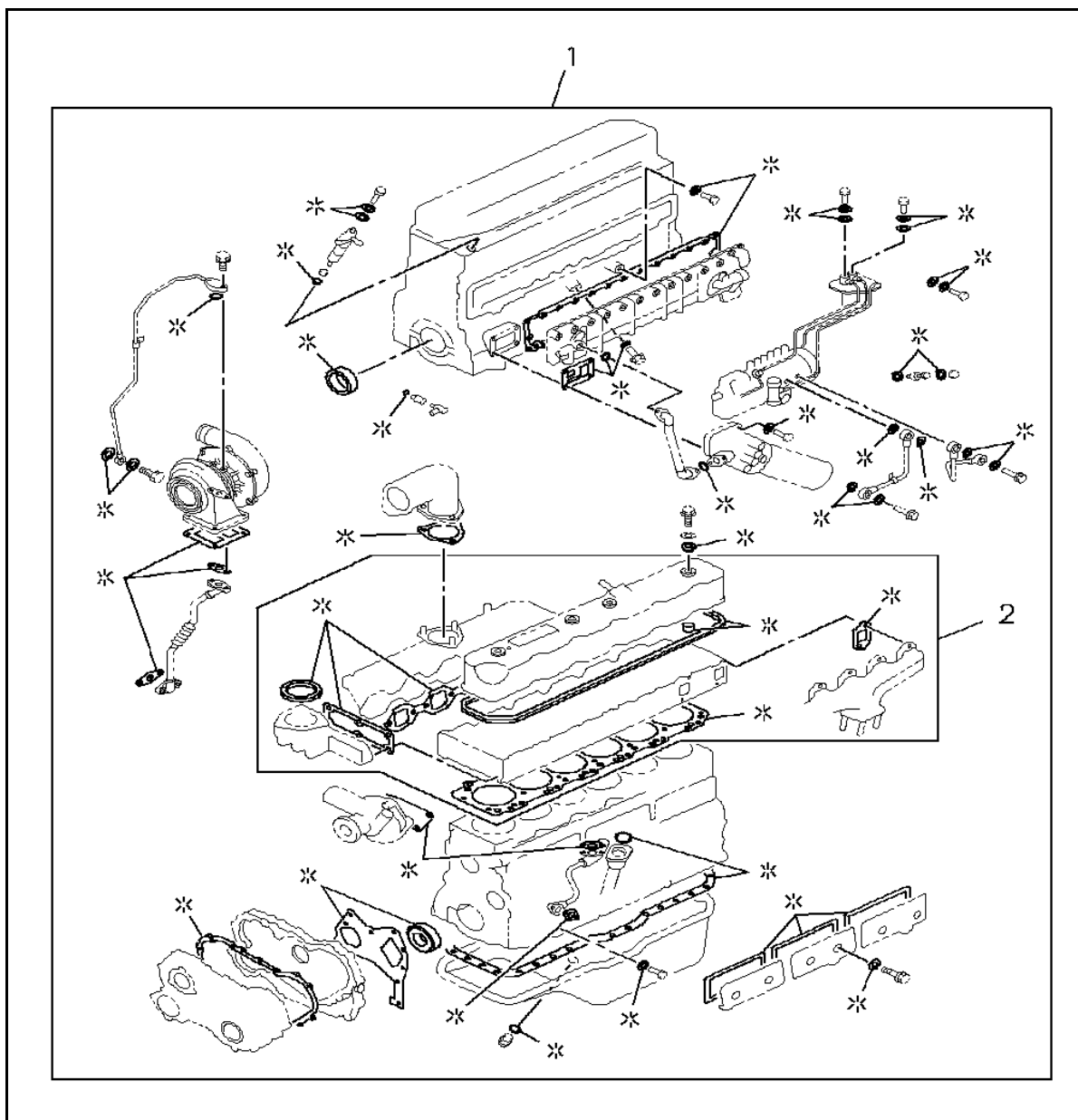
Assembly, Kit or Set are shown by an enclosing line. The component in Assembly, Kit or Set is also shown by the enclosing line.

⑤ FIG. NO.

Key Number is not shown for Items to be used for reference. Such items are shown to describe the composition purpose and should refer to another section in the Parts Catalogue for details.

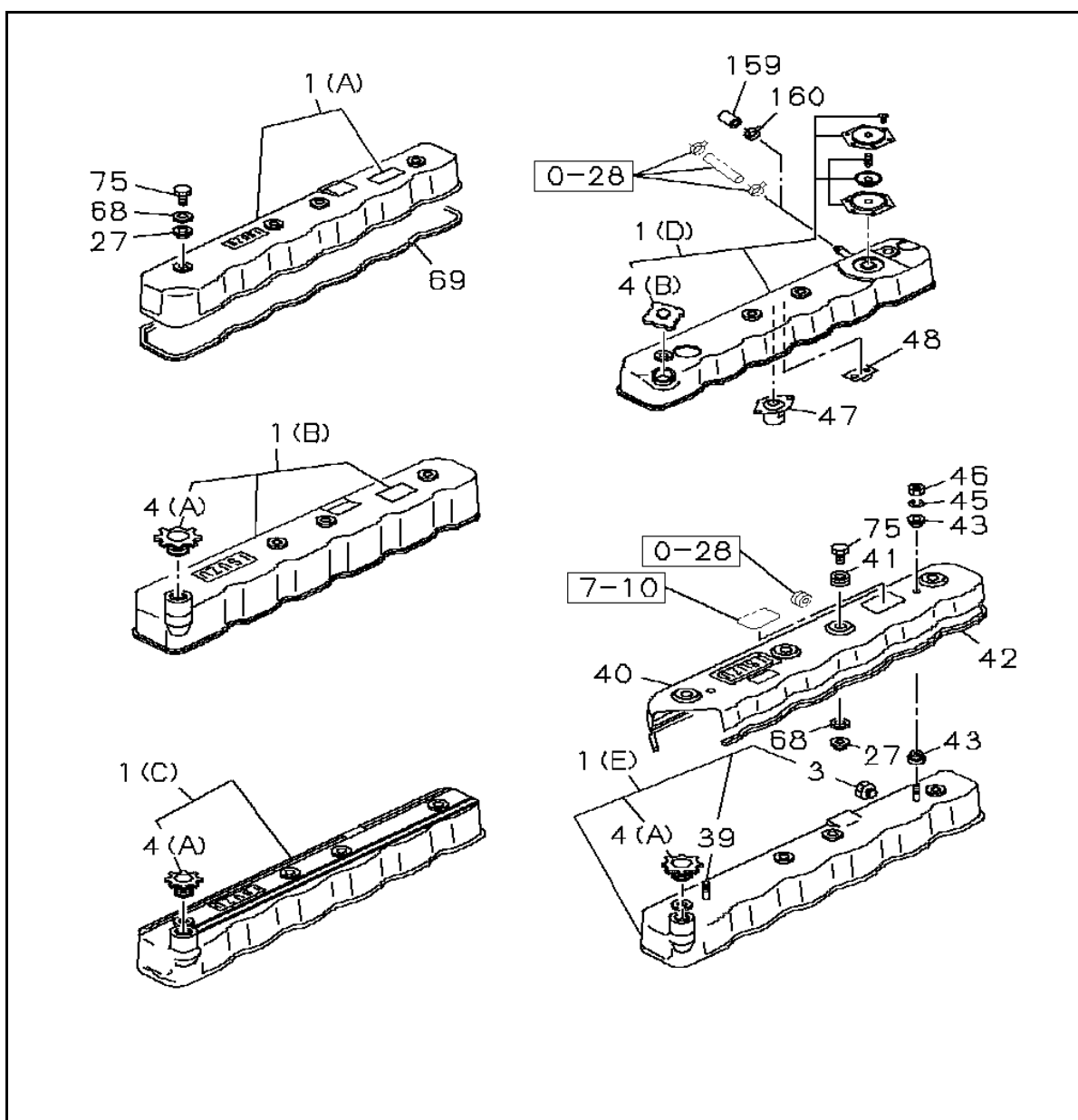
Section in the applicable catalog is shown next to the illustration.

0-05 ENGINE GASKET KIT



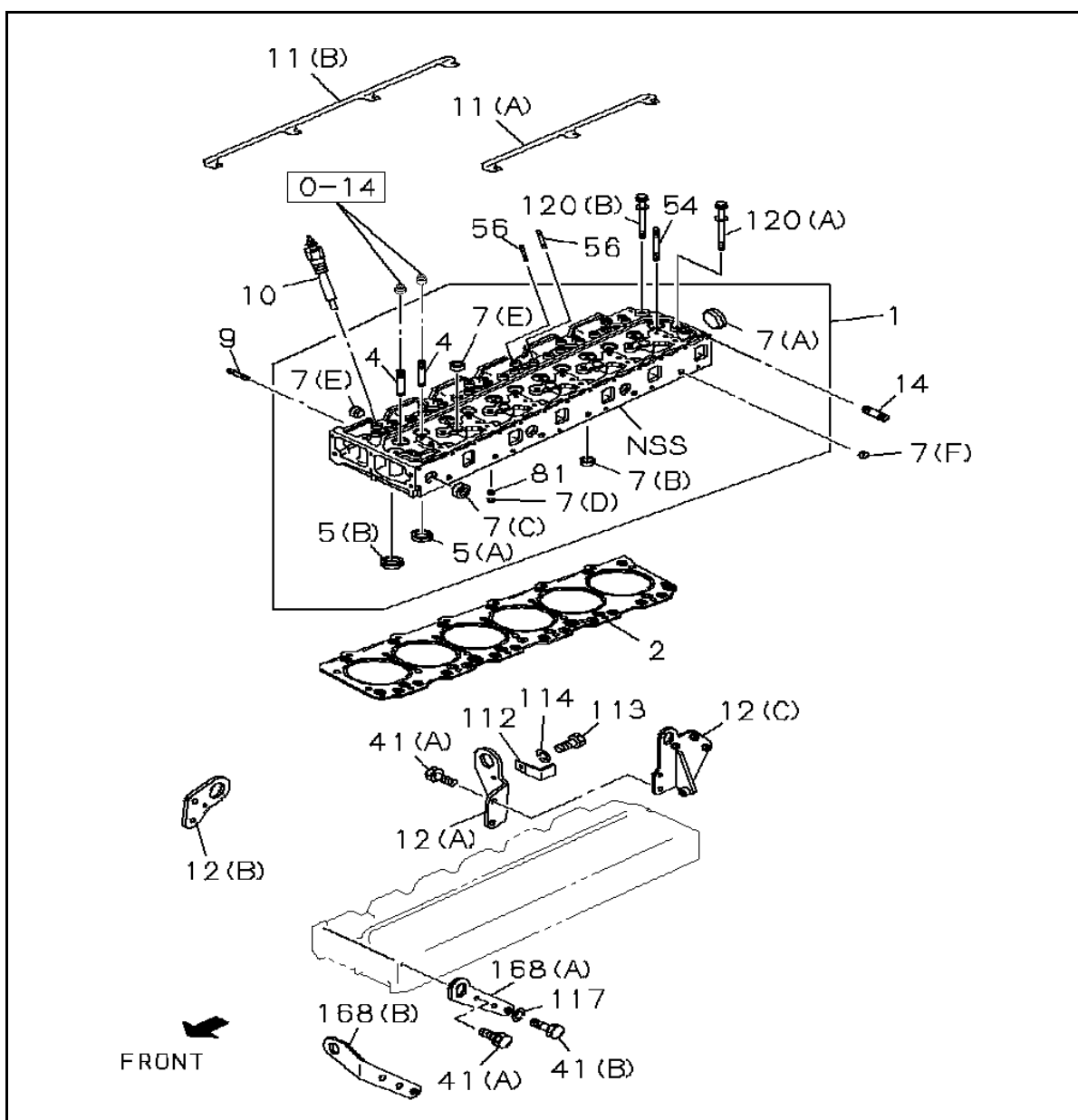
KEY No.	Part no.	qty	Part description
1	1-87812-311-6	1	GASKET SET; ENG OVERHAUL
2	1-87812-271-4	1	GASKET SET; ENG HD OVERHAUL

0-10 CYLINDER HEAD COVER



KEY No.	Part no.	qty	Part description
1 (B)	1-11180-360-1	1	COVER; CYL HD
1 (C)	5-11170-198-0	1	COVER; CYL HD
3	5-09330-003-0	1	PLUG; BREATHER
4 (A)	9-11751-038-1 <1-11751-005-1>	1	CAP; OIL FILLER OD=45
4 (B)	1-11750-020-0 <1-11750-024-1>	1	CAP; OIL FILLER
27	9-11179-030-0 <1-09639-032-0>	4	GASKET; HD COVER ALSO INCLUDED IN GASKET SET(ENGINE)
47	1-11179-094-0	2	FLOAT; HD COVER
48	1-11179-099-0	1	PLATE; BAFFLE,CYL HD COVER
68	9-11179-105-0	4	WASHER; CAP NUT,HD COVER
69	1-11173-059-0	1	GASKET; HD TO COVER ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
75	9-11175-011-0 <9-11175-012-0>	4	NUT; CAP,HD COVER M8
159	8-94107-603-0	1	CAP; PIPE
160	8-94238-571-0 <8-98150-357-0>	1	CLIP; CAP PIPE

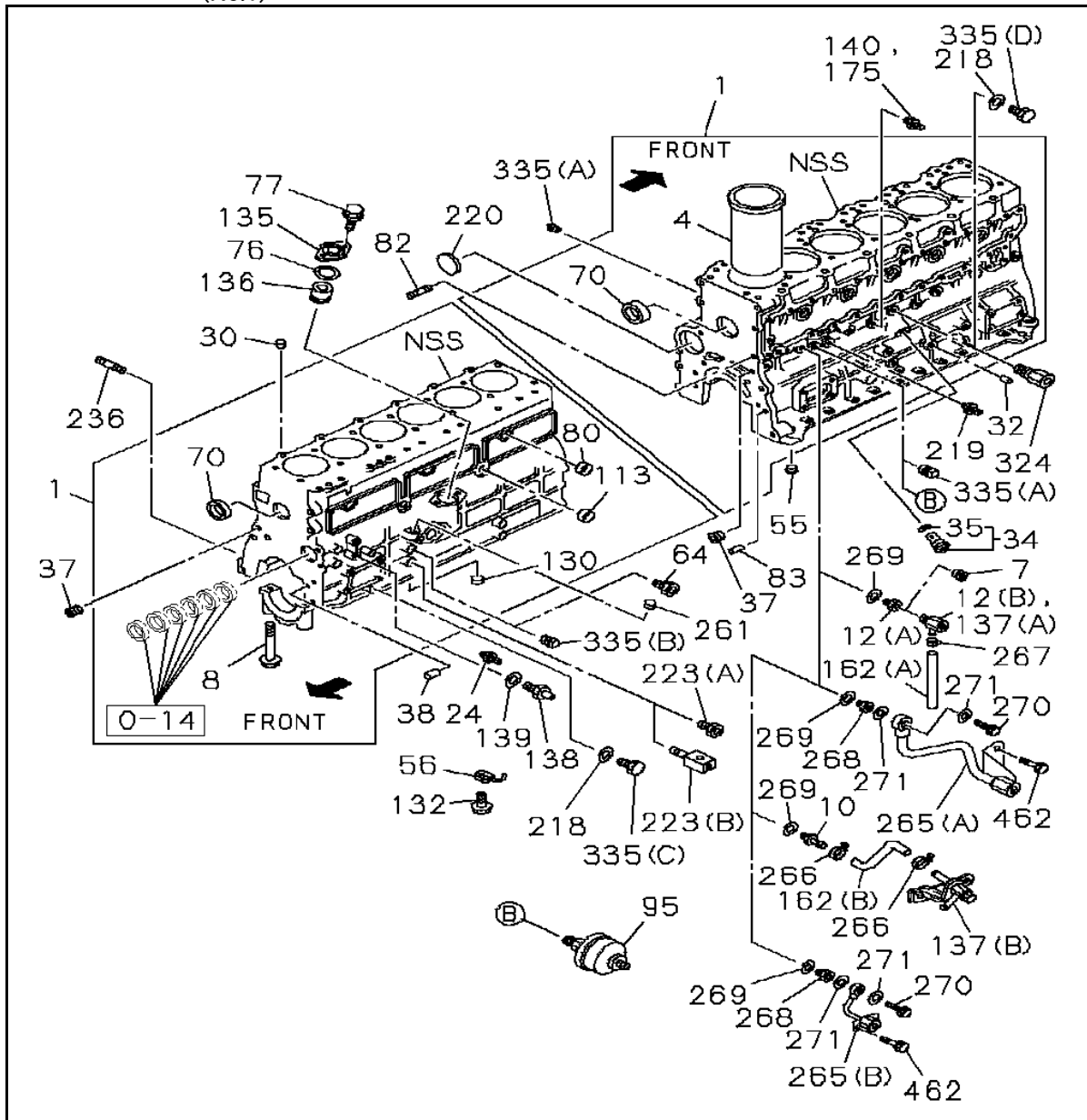
0-11 CYLINDER HEAD



KEY No.	Part no.	qty	Part description
1	1-11110-938-0	1	HEAD ASM; CYL
2	1-11141-196-1	1	GASKET; CYL HD ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
4	1-11721-013-0	12	GUIDE; VLV
5 (A)	8-97037-686-1	6	SEAT; VLV INSERT INLET
5 (B)	5-11711-028-0	6	SEAT; VLV INSERT EXHAUST
7 (A)	1-09600-005-2 <8-97036-550-1>	1	CUP; SEALING,CYL HEAD OD=45
7 (B)	9-11129-128-0	3	CUP; SEALING,CYL HEAD OD=20
7 (C)	5-11219-015-0 <1-09600-012-2>	3	CUP; SEALING,CYL HEAD OD=32
7 (D)	5-09600-013-0	6	CUP; SEALING,CYL HEAD OD=12.3
7 (E)	1-09600-016-0	11	CUP; SEALING,CYL HEAD OD=25

KEY No.	Part no.	qty	Part description
7 (F)	9-11129-601-0	5	CUP; SEALING,CYL HEAD OD=12.5
9	0-41010-825-0	6	STUD; INL MANIF M8X25 L=37
10	1-82513-043-2 <1-82513-043-1>	6	PLUG; GLOW
11 (A)	5-19732-001-2	1	CONNECTOR; GLOW PLUG L=236
11 (B)	5-19732-002-2	1	CONNECTOR; GLOW PLUG L=354
12 (B)	9-11777-622-1	1	HANGER; ENG,RR
14	9-09630-026-0	12	STUD; EXH MANIF M8X86 L=99
41 (A)	0-28651-020-0	3	BOLT; ENG HANGER M10X20 FLANGE
41 (B)	0-20851-425-0	1	BOLT; ENG HANGER M14X25
54	9-09830-163-0	4	STUD; ROCKER ARM M8X83 L=96
56	1-09300-018-0	12	STUD; NOZZLE HOLDER M8X40 L=58
81	9-09660-034-0	6	PLUG; PLATE,DRILLED PASSAGE OD=11.9
112	9-09916-755-0	1	CLIP; HANGER,GLOW HARNESS
113	0-28050-610-0	1	BOLT; CLIP M6X10 FLANGE
117	0-91510-514-0	1	WASHER; LK,HANGER ID=14
120 (A)	1-09070-101-1	20	BOLT; CYL HD TO HSG M12X113
120 (B)	1-09070-100-1	6	BOLT; CYL HD TO HSG M12X100
168 (B)	1-11777-106-0	1	HANGER; ENG,FRT

(No.1)



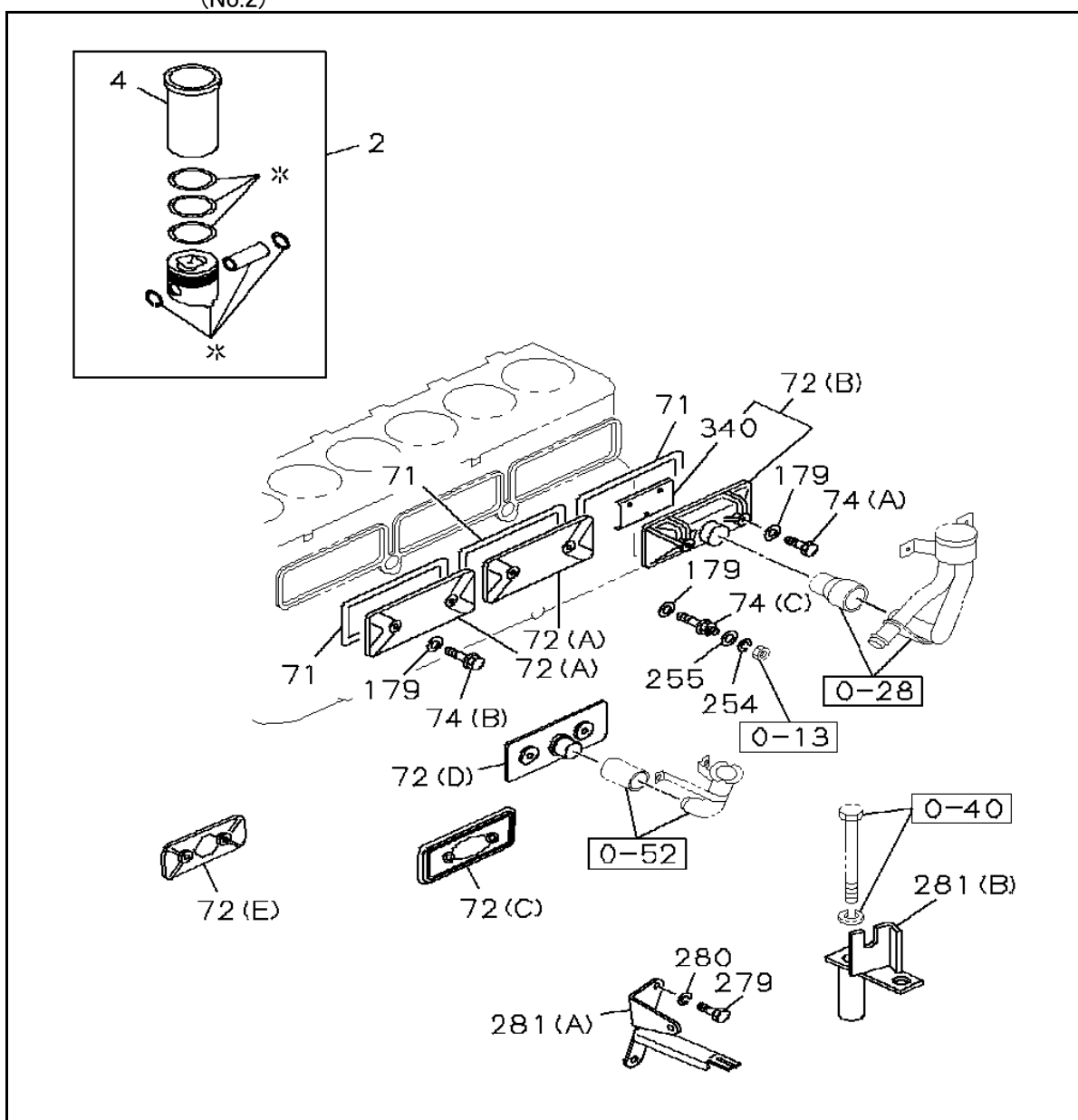
KEY No.	Part no.	qty	Part description
1	1-11210-444-9	1	BLOCK ASM; CYL
4	1-11261-382-1	6	LINER; C/BL OD GRD=1,ID GRD=AX ALSO INCLUDED IN LINER SET.
4	1-11261-383-1	6	LINER; C/BL OD GRD=1,ID GRD=CX ALSO INCLUDED IN LINER SET.
4	1-11261-384-1	6	LINER; C/BL OD GRD=2,ID GRD=AX ALSO INCLUDED IN LINER SET.
4	1-11261-385-1	6	LINER; C/BL OD GRD=2,ID GRD=CX ALSO INCLUDED IN LINER SET.
4	1-11261-386-1	6	LINER; C/BL OD GRD=3,ID GRD=AX ALSO INCLUDED IN LINER SET.
4	1-11261-387-1	6	LINER; C/BL OD GRD=3,ID GRD=CX ALSO INCLUDED IN LINER SET.

KEY No.	Part no.	qty	Part description
4	1-11261-388-1	6	LINER; C/BL OD GRD=4,ID GRD=AX ALSO INCLUDED IN LINER SET.
4	1-11261-389-1	6	LINER; C/BL OD GRD=4,ID GRD=CX ALSO INCLUDED IN LINER SET.
7	1-09605-056-0	1	PLUG; WATER DRAIN ALSO INCLUDED IN LINER SET.
8	1-09000-469-2	14	BOLT; BRG CAP M16X119
12 (A)	1-09666-036-0	1	CONNECTOR; DRAIN COCK,WATER
12 (B)	1-09680-025-0	1	CONNECTOR; DRAIN COCK,WATER
30	8-94148-079-0	2	PIN; CYL HD GASKET SETTING OD=16
34	8-97023-339-0 <8-94393-077-1>	1	VALVE; OIL RELIEF
35	5-09623-035-0	1	GASKET; RELIEF VLV ALSO INCLUDED IN GASKET SET(ENGINE)
37	1-09605-068-1	2	PLUG; OIL GALLERY
38	1-09740-078-0	1	PIN; TIMING GEAR CASE OD=10 L=50
55	1-09605-066-0	1	PLUG; OIL GALLERY PT3/8 T=8.0
56	1-13342-132-1	6	JET; OIL,PISTON COOLING
64	1-09660-101-0	1	CONNECTOR; TURBOCHARGER OIL FEED
70	1-09600-052-1	2	CUP; SEALING,FRT & RR OD=60
76	1-09623-465-0	1	GASKET; COVER TO C/BL ID=47.7 ALSO INCLUDED IN GASKET SET(ENGINE)
77	0-50140-822-0 <0-50640-822-0>	2	BOLT; COVER TO C/BL M8X22 W/LK&PL WASHER
80	1-09600-012-2	3	CUP; SEALING,TAPPET CHAMBER OD=32
82	5-09300-023-1	1	STUD; FLYWHEEL HSG M14X44 L=65
83	9-08151-018-0	2	PIN; FLYWHEEL HSG OD=10 L=18
113	5-11219-014-0	2	CUP; SEALING OD=28
130	5-11257-001-1	1	DOWEL; BRG CAP
132	8-97329-618-0	6	VALVE; CHECK,OIL
135	1-11219-129-1	1	COVER; OIL PUMP
136	9-11224-602-1	1	BUSHING; DRIVE SHAFT,OIL PUMP
137 (A)	1-09680-024-0	1	COCK; DRAIN,WATER
138	5-09744-015-2	1	NIPPLE; OIL RETURN,VAC PUMP
139	9-09571-614-0	1	GASKET; NIPPLE,VAC PUMP OIL RETURN ID=14.2 OD=20.0
162 (A)	9-09914-701-0	1	HOSE; WATER DRAIN,C/BL L=510,S.B. L=10000
175	9-09702-015-0	1	NIPPLE; OIL PRESSURE METER
218	9-09572-014-0	1	GASKET; PLUG,C/BL SIDE ID=14.2 OD=23.0 ALSO INCLUDED IN GASKET SET(ENGINE)
218	9-09572-012-0	1	GASKET; PLUG,C/BL SIDE ID=12.2 ALSO INCLUDED IN GASKET SET(ENGINE)
220	9-09860-019-0	1	PLUG; PLATE,CM/SHF,RR OD=67
223 (B)	1-09659-035-0	1	CONNECTOR; OIL PRESSURE

KEY No.	Part no.	qty	Part description
236	1-09300-055-0	1	STUD; ENG FOOT M10X30.5 L=45
261	5-11129-003-0	1	PLUG; OIL PRESS UNIT OD=15.6
265 (A)	1-13721-341-2	1	PIPE ASM; WATER DRAIN
267	8-97015-754-1	1	CLIP; DRAIN HOSE
269	1-09630-115-0	1	ALSO INCLUDED IN GASKET SET(ENGINE)
324	9-09902-238-0	1	ADAPTER; OIL PRESSURE SWITCH
335 (A)	5-09605-018-0	8	PLUG; C/BL,SIDE PT1/8 L=8 SQUARE HD
335 (C)	9-99202-314-0	1	PLUG; C/BL,SIDE M14X9
335 (C)	8-98042-944-0	1	PLUG; C/BL,SIDE M14X9
335 (D)	9-99202-312-0 <5-09604-012-0>	1	PLUG; C/BL,SIDE M12X9

0-12 CYLINDER BLOCK

(No.2)

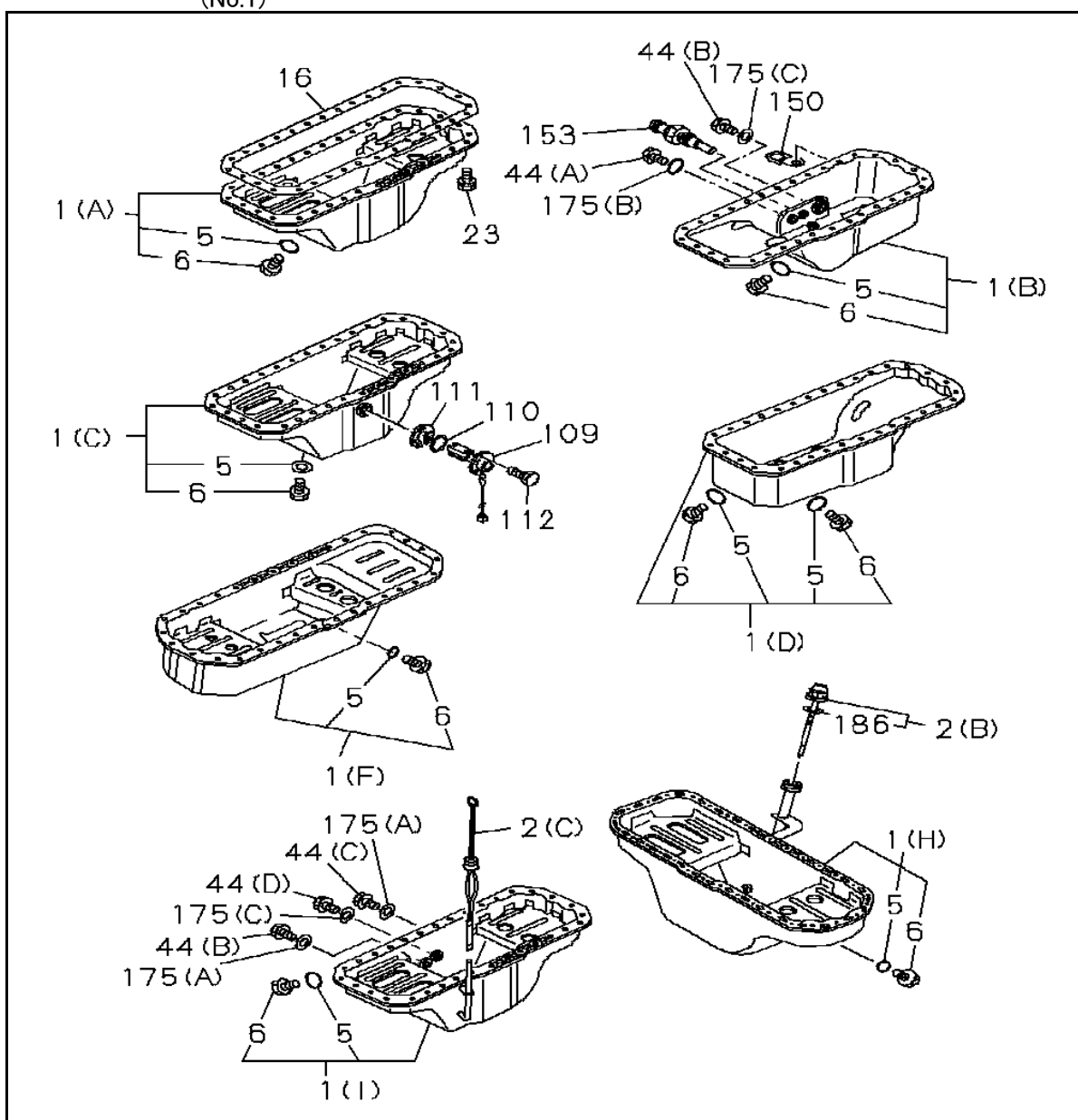


KEY No.	Part no.	qty	Part description
2	1-87812-791-1	6	LINER SET; ENG CYL GRADE=1
2	1-87812-792-1	6	LINER SET; ENG CYL GRADE=2
2	1-87812-793-1	6	LINER SET; ENG CYL GRADE=3
2	1-87812-794-1	6	LINER SET; ENG CYL GRADE=4
72 (B)	1-11290-254-1	1	COVER; TAPPET CHAMBER
72 (D)	8-97301-063-0	1	COVER; TAPPET CHAMBER
72 (E)	8-97222-104-1	1	COVER; TAPPET CHAMBER
74 (A)	1-09052-022-1 <1-09030-078-0>	2	BOLT; COVER TO C/BL M8X84
74 (B)	8-94367-530-1	4	BOLT; COVER TO C/BL M8X56 FLANGE
179	9-09572-008-0	6	GASKET; COVER TO BOLT ID=8.2 OD=17 ALSO INCLUDED IN GASKET SET(ENGINE)
281 (B)	1-23335-313-0	1	BRACKET; CABLE,ENG STOPPER

KEY No.	Part no.	qty	Part description
340	5-11299-007-0	1	PLATE; GUIDE,TAPPET CHAMBER

0-13 OIL PAN AND LEVEL GAUGE

(No.1)

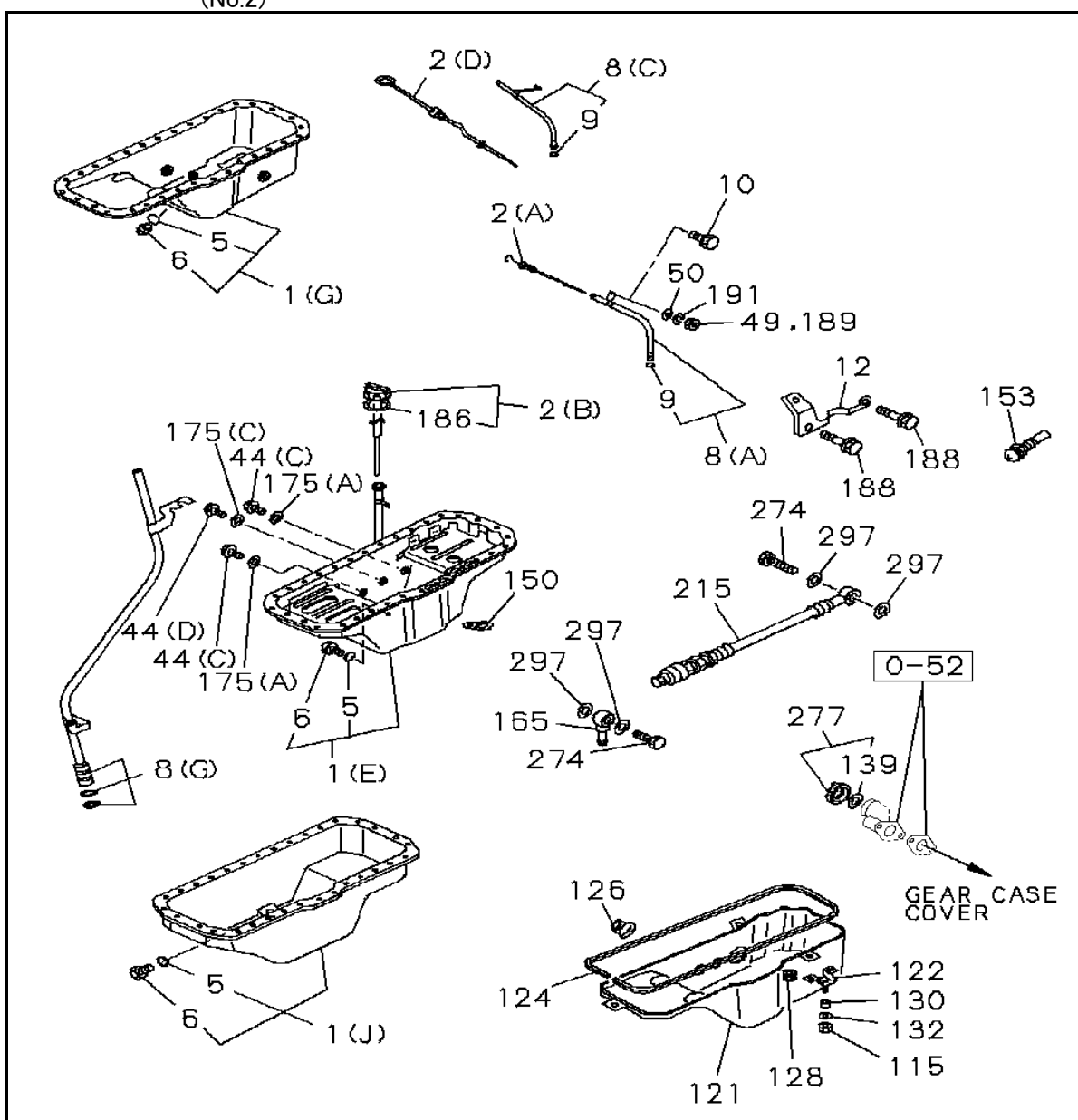


KEY No.	Part no.	qty	Part description
1 (H)	1-11360-897-1	1	PAN ASM; OIL
1 (I)	1-11360-915-0	1	PAN ASM; OIL
2 (C)	1-11760-447-0	1	GAUGE; OIL LEVEL
5	1-09623-057-0	1	GASKET; PLUG,OIL DRAIN ALSO INCLUDED IN GASKET SET(ENGINE)
6	9-09662-012-0	1	PLUG; OIL DRAIN
16	1-11367-132-0	1	GASKET; OIL PAN TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
23	0-50540-818-0	29	BOLT; OIL PAN M8X18 W/LK WASHER
23	0-50040-822-0	3	BOLT; OIL PAN M8X22 W/LK WASHER
44 (C)	0-92002-416-0	2	PLUG M16X12
44 (D)	9-99202-324-0 <1-09604-021-0>	1	PLUG M24X12
175 (C)	9-09571-416-0	2	GASKET; PLUG,OIL PAN ID=16.2 OD=24

KEY No.	Part no.	qty	Part description
175 (C)	9-09571-424-0	1	GASKET; PLUG,OIL PAN ID=24.5 OD=32

0-13 OIL PAN AND LEVEL GAUGE

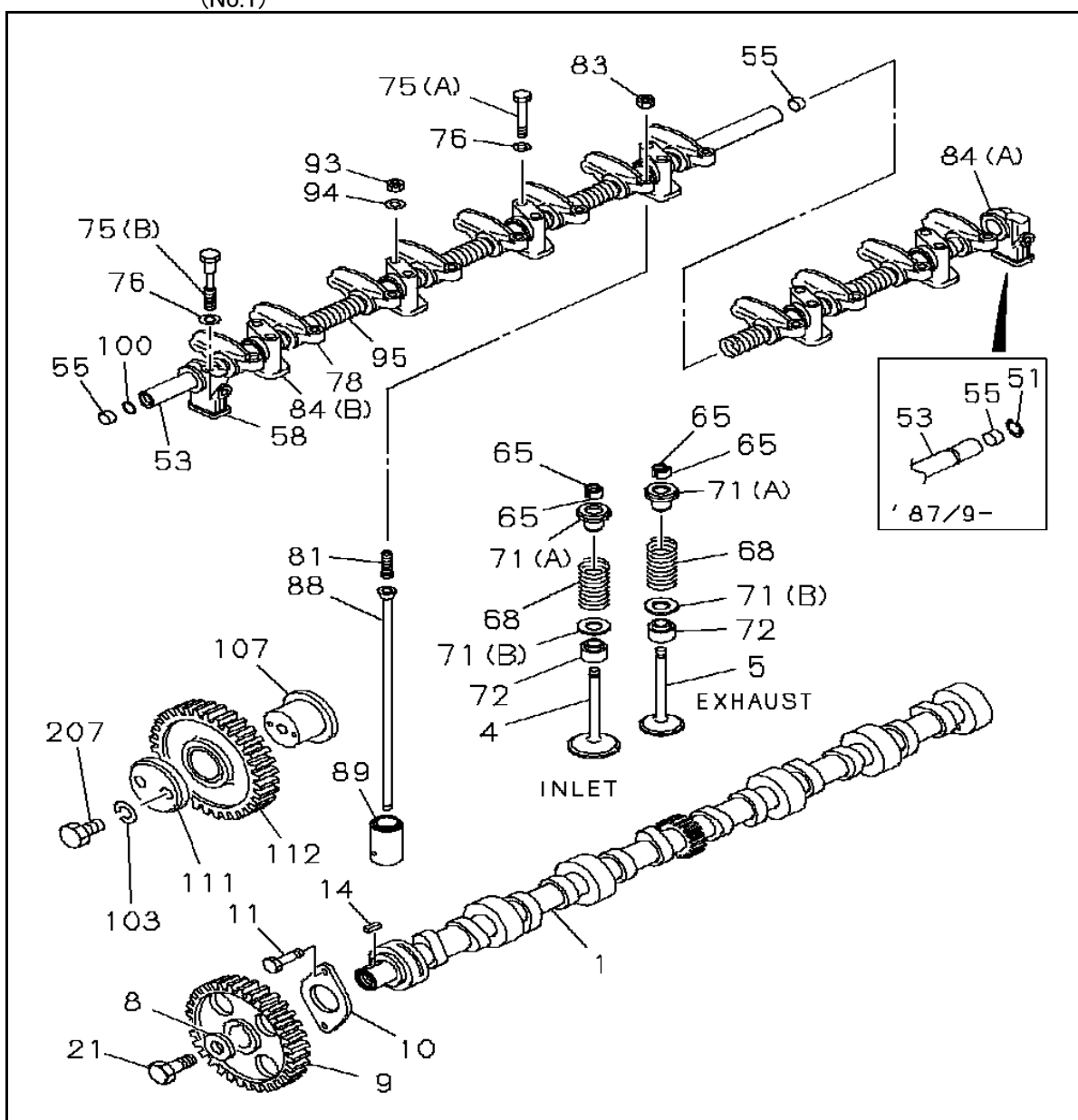
(No.2)



KEY No.	Part no.	qty	Part description
1 (J)	1-11360-920-0	1	PAN ASM; OIL
8 (G)	1-11766-597-1	1	TUBE; GUIDE,OIL LEVEL GAUGE
139	9-09920-609-0	1	GASKET; OIL FILLER
277	5-11750-002-1	1	CAP; OIL FILLER

0-14 CAMSHAFT AND VALVE

(No.1)

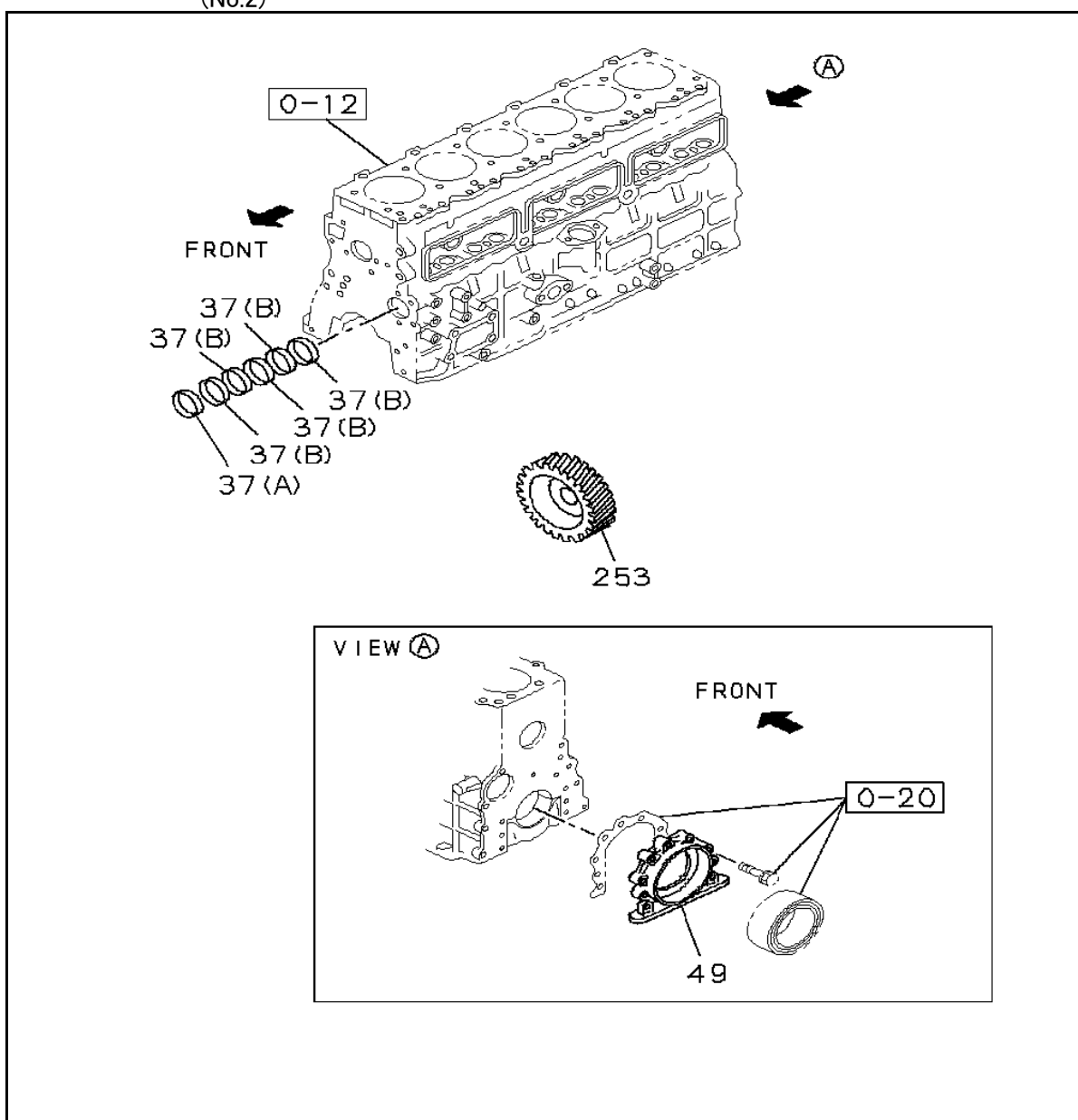


KEY No.	Part no.	qty	Part description
1	1-12514-010-0	1	CAMSHAFT
4	1-12551-165-0	6	VALVE; INL
5	1-12552-111-0	6	VALVE; EXH
8	9-09851-850-3	1	WASHER; CM/SHF GEAR ID=14.5
9	1-12522-016-2	1	GEAR; CM/SHF Z=50
10	9-11681-015-0	1	PLATE; THRUST
11	0-50540-825-0	2	BOLT; THRUST PLATE TO C/BL M8X25 W/LK WASHER
14	9-08030-713-0	1	KEY; CM/SHF
21	9-92061-428-0	1	BOLT; CM/SHF METAL,NO 7 M14X28
51	9-09180-019-0	1	RING; SNAP,ROCKER ARM SHAFT
53	1-12621-094-0	1	SHAFT; ROCKER ARM
55	9-12626-005-0	2	PLUG; ROCKER SHAFT END
58	5-12628-012-0	1	BRACKET; ROCKER SHAFT,FRT
65	5-12565-006-0	24	COLLAR; SPLIT
68	1-12561-099-1	12	SPRING; VLV

KEY No.	Part no.	qty	Part description
71 (A)	8-94114-579-0	12	SEAT; SPR UPPER
71 (B)	5-12563-001-0	12	SEAT; SPR LOWER
72	8-97120-167-0	12	SEAL; VLV GUIDE ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
75 (A)	1-09000-567-0	8	BOLT; BRKT M8X65
75 (B)	9-09602-148-0	1	BOLT; BRKT M8X65
76	9-09851-430-0	9	WASHER; PL,BRKT
78	1-12611-249-0	12	ARM; ROCKER
81	9-12616-042-0	12	SCREW; ADJ,ROCKER ARM
83	0-91111-508-0	12	NUT; ADJ SCREW,LK M8
84 (A)	5-12628-006-0	1	BRACKET; ROCKER SHAFT,INTER
84 (B)	9-12628-105-0	6	BRACKET; ROCKER SHAFT,INTER
88	1-12575-036-0	12	ROD; PUSH
89	5-12571-003-3	12	TAPPET; VLV
93	1-09400-116-0	4	NUT; BRKT
94	9-09851-430-0	4	WASHER; PL,BRKT
95	1-09580-335-0	5	SPRING; ROCKER SHAFT
100	5-09623-060-0	1	GASKET; ROCKER ARM SHAFT
103	9-09150-510-0 <1-09985-345-0>	2	WASHER; LK,THRUST COLLAR ID=10.2
103	0-91510-510-0	2	WASHER; LK,THRUST COLLAR ID=10.2
107	9-12531-030-0	1	SHAFT; IDLE GEAR
111	5-12535-001-1	1	COLLAR; THRUST,IDLE GEAR
112	8-94133-937-3	1	GEAR; IDLE Z=51
207	0-10811-055-0	2	M10X55

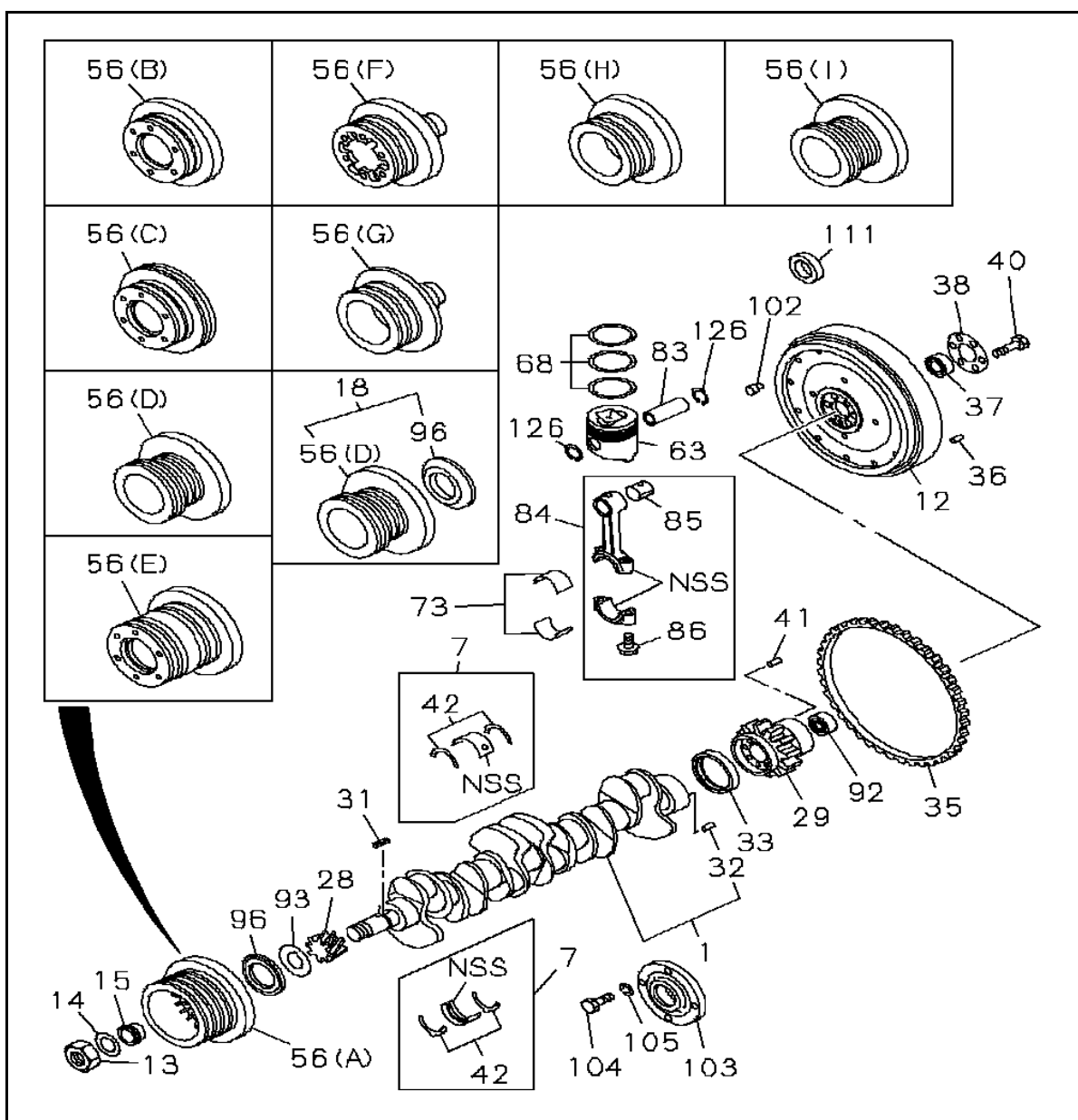
0-14 CAMSHAFT AND VALVE

(No.2)



KEY No.	Part no.	qty	Part description
37 (A)	9-11691-048-1 <9-11691-048-0>	1	METAL; CM/SHF
37 (B)	9-11693-035-1 <9-11693-035-0>	5	METAL; CM/SHF
49	8-97079-520-0	1	RETAINER; OIL SEAL
253	5-19581-001-3	1	GEAR; OIL PUMP

0-15 CRANKSHAFT,PISTON AND FLYWHEEL

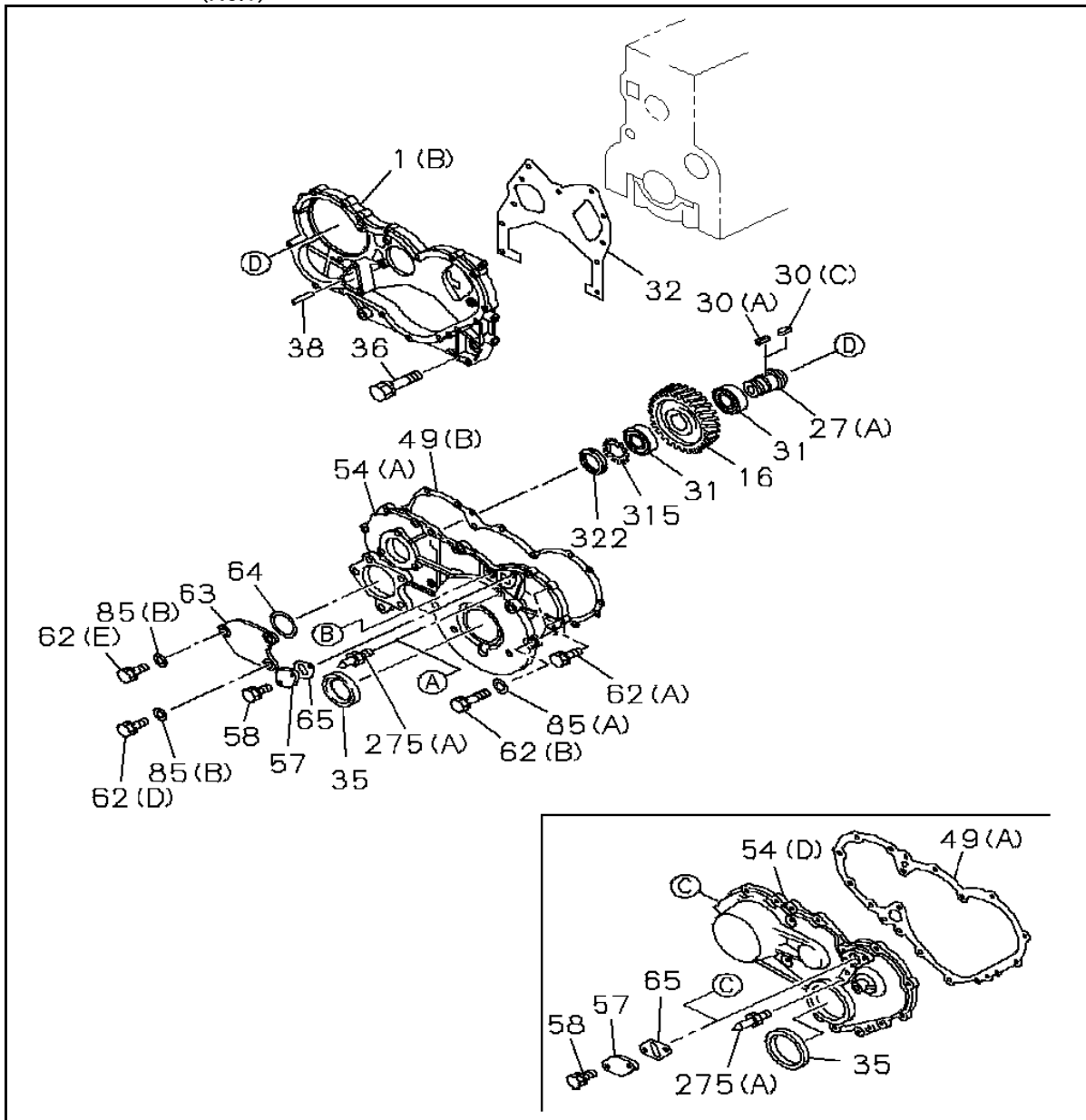


KEY No.	Part no.	qty	Part description
1	1-12310-470-1 <1-12310-470-0>	1	CRANKSHAFT
7	1-11510-074-3 <1-11510-074-1>	1	METAL KIT; CRANKSHAFT,STANDARD
12	1-12331-374-0	1	FLYWHEEL
13	9-09840-107-1	1	NUT; STARTING HANDLE
14	9-09851-431-0	1	WASHER; PULLEY DAMPER
15	9-12379-045-0	1	BUSHING; TAPET,CR/SHF PULLEY
18	1-12370-565-0	1	PULLEY; CR/SHF
28	8-97137-910-2	1	GEAR; CR/SHF Z=25
29	5-38241-002-1	1	GEAR; CR/SHF,PTO
31	5-09738-001-0	1	KEY; FEATHER,CR/SHF
32	9-08151-220-0 <9-08161-220-0>	1	PIN; FLYWHEEL
35	1-12333-025-0	1	GEAR; RING Z=140
38	5-12336-008-1	1	WASHER; FLYWHEEL
40	9-92061-638-0	6	BOLT; FLYWHEEL

KEY No.	Part no.	qty	Part description
41	9-08151-220-0 <9-08161-220-0>	1	PIN; GEAR,CR/SHF PTO
42	1-11680-001-3 <1-11680-001-1>	2	WASHER; THRUST,CR/SHF
56 (B)	1-12371-244-0	1	PULLEY; CR/SHF DAMPER 2-GROOVE
56 (E)	1-12371-347-0	1	PULLEY; CR/SHF DAMPER 4-GROOVE
56 (G)	5-12371-207-3	1	PULLEY; CR/SHF DAMPER 2-GROOVE
63	8-97358-574-0	6	PISTON GRADE=AX ALSO INCLUDED IN LINER SET.
63	8-97358-575-0	6	PISTON GRADE=CX ALSO INCLUDED IN LINER SET.
68	1-12121-146-0	6	RING SET; PISTON,STANDARD ALSO INCLUDED IN LINER SET.
73	9-12271-608-0	6	METAL SET; CONN ROD,STANDARD
83	1-12211-033-2	6	PIN; PISTON ALSO INCLUDED IN LINER SET.
84	1-12230-129-2	6	ROD ASM; CONN
85	1-12251-032-0	6	BUSHING; CONNROD
86	1-12235-027-1	12	BOLT; CONNROD M20X49.5
93	1-12362-003-1	1	THROWER; OIL,CR/SHF
96	5-12362-003-1	1	THROWER; DUST,CR/SHF
102	1-12339-013-0	1	PIN; TIMING SENSOR
126	8-94107-575-1	12	RING; SNAP,PISTON PIN ALSO INCLUDED IN LINER SET.

0-20 TIMING GEAR CASE AND FLYWHEEL HOUSING

(No.1)

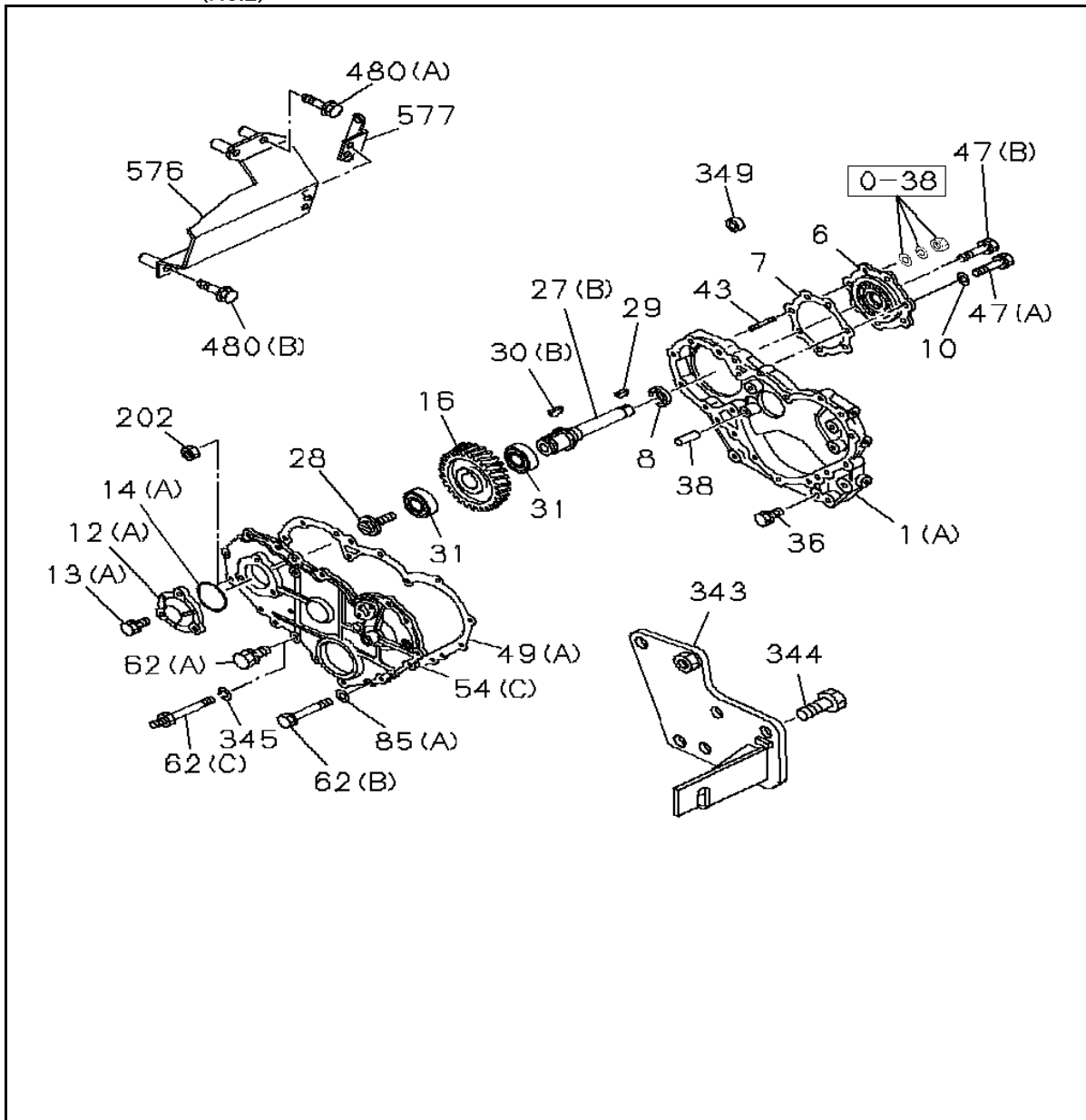


KEY No.	Part no.	qty	Part description
32	8-94370-671-1	1	GASKET; GEAR CAST TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
35	1-09625-438-0	1	SEAL; OIL,CRANKSHAFT FRT ALSO INCLUDED IN GASKET SET(ENGINE)
36	0-28050-845-0	2	BOLT; GEAR CASE M8X45 FLANGE
36	0-28650-820-0	4	BOLT; GEAR CASE M8X20 FLANGE
38	9-08151-018-0	1	PIN; GEAR CASE COVER OD=10 L=18
49 (A)	1-11322-060-0	1	GASKET; GEAR CASE TO COVER ALSO INCLUDED IN GASKET SET(ENGINE)
54 (A)	1-11321-048-1	1	COVER; GEAR CASE
54 (D)	1-11321-079-0	1	COVER; GEAR CASE
57	5-11321-009-0	2	COVER; TIMING CHECK HOLE
58	0-28050-612-0	4	BOLT; CHECK HOLE COVER M6X12 FLANGE
62 (A)	0-28650-825-0	7	BOLT; COVER M8X25 FLANGE

KEY No.	Part no.	qty	Part description
62 (B)	0-28050-850-0	5	BOLT; COVER M8X50 FLANGE
65	8-97027-601-1 <8-97118-698-1>	2	GASKET; COVER,TIMING CHECK HOLE
85 (B)	9-09160-510-0 <0-91610-510-0>	3	WASHER; PL,COVER ID=10.5
275 (A)	5-11327-009-0	1	POINTER; TIMING CHECK HOLE

0-20 TIMING GEAR CASE AND FLYWHEEL HOUSING

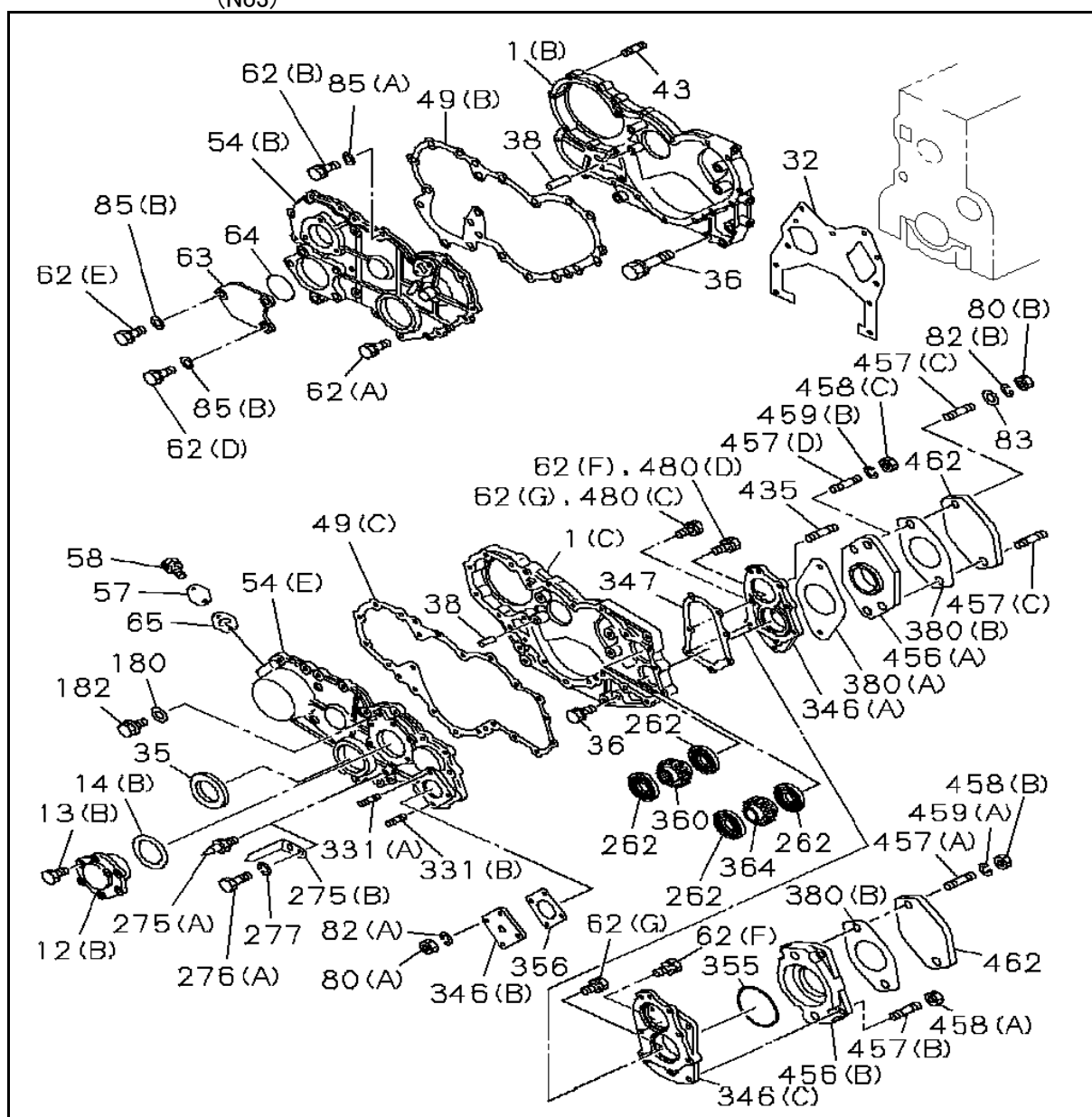
(No.2)



KEY No.	Part no.	qty	Part description
1 (A)	5-11311-011-3	1	CASE; TIMING GEAR
62 (C)	1-09300-049-1	1	BOLT; COVER M8X70 & M8X14.7
202	0-91150-108-0 <0-91180-208-0>	1	NUT; BRKT
343	1-13668-018-1	1	BRACKET; IDLE PULLEY
344	0-50040-840-0 <0-50540-840-0>	1	BOLT; BRKT TO GEAR CASE M8X40 W/LK WASHER
345	9-09150-508-0 <0-91510-508-0>	1	WASHER; LK,COVER ID=8.2

0-20 TIMING GEAR CASE AND FLYWHEEL HOUSING

(No3)



KEY No.	Part no.	qty	Part description
80 (B)	9-09110-510-0 <0-91110-510-0>	2	NUT; COVER M10
82 (B)	9-09150-510-0 <1-09985-345-0>	2	WASHER; LK,COVER
83	9-09164-810-0 <0-91614-810-0>	4	WASHER; PL,COVER
346 (A)	1-11321-055-1	1	COVER; GEAR CASE,PTO
355	1-09623-406-0	1	GASKET; ADAPTER
380 (A)	8-94370-839-1	1	GASKET; COVER
435	9-04110-814-0 <0-41010-814-0>	4	STUD; COVER TO PTO COVER
456 (A)	5-11321-153-0	1	ADAPTER; PTO
457 (A)	9-04411-430-0 <0-44011-430-0>	2	STUD; ADAPTER M14X30 L=51
457 (C)	9-04411-030-0 <0-44011-030-0>	2	STUD; ADAPTER M10X30 L=45
457 (D)	9-94411-220-0	2	STUD; ADAPTER M12X20 L=38

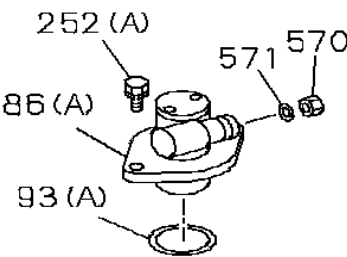
KEY No.	Part no.	qty	Part description
458 (A)	0-91150-210-0 <0-91180-210-0>	4	NUT; ADAPTER M10 FLANG
458 (B)	0-91160-114-0 <0-91180-114-0>	2	NUT; ADAPTER M14 FLANGE
458 (C)	9-99111-512-0 <0-91111-512-0>	2	NUT; ADAPTER M12
459 (A)	9-09150-614-0 <0-91510-614-0>	2	WASHER; LK,ADAPTER ID=14.2
459 (B)	9-09150-512-0 <0-91510-512-0>	2	WASHER, LK,ADAPTER ID=12
480 (C)	0-50040-828-0 <8-97329-626-0>	1	BOLT; COVER M8X28 W/LK WASHER
480 (D)	5-09000-084-1 <8-94150-045-1>	6	BOLT; COVER M8X55 W/LK WASHER

(No4)



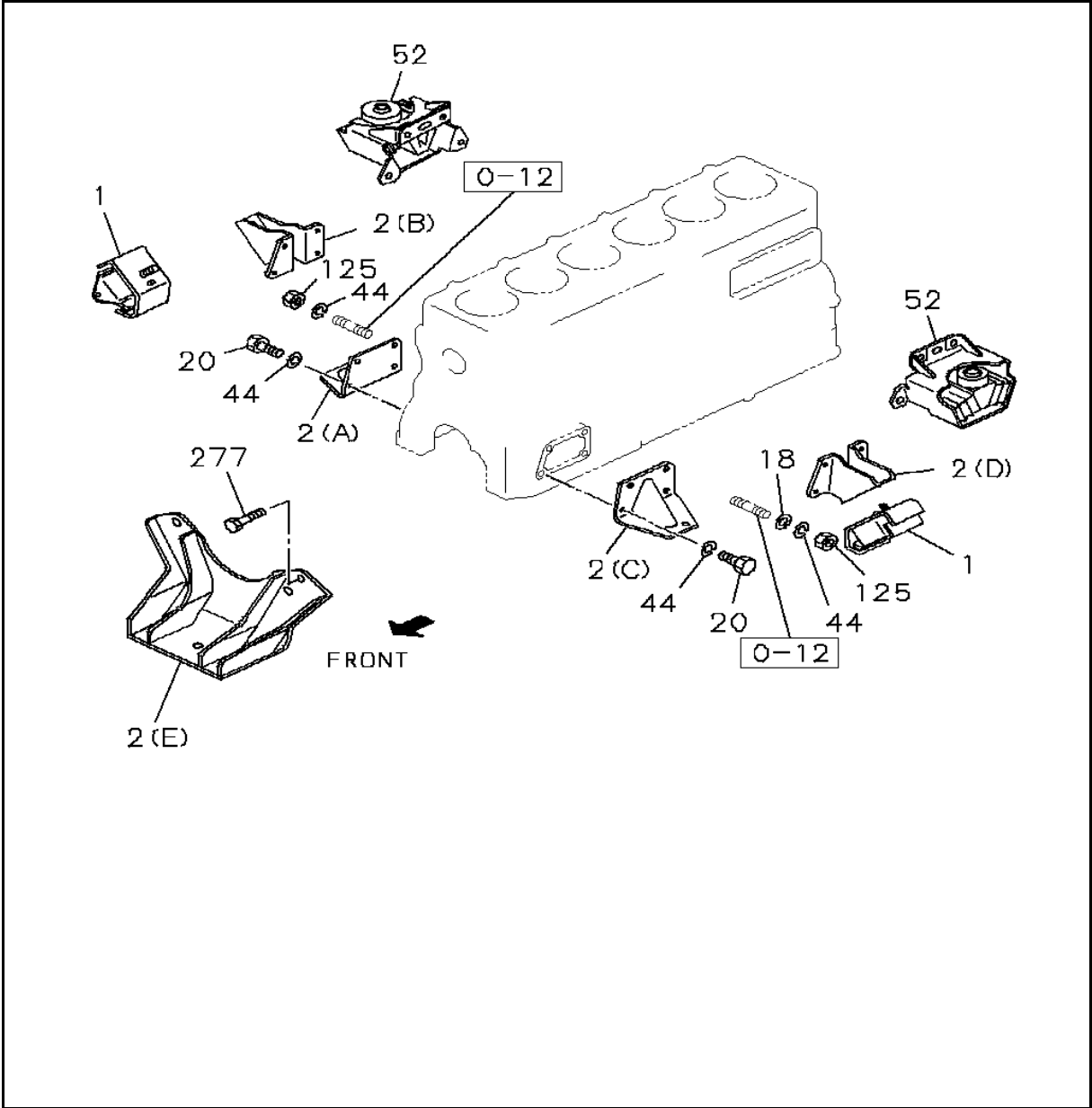
KEY No.	Part no.	qty	Part description
211 (B)	0-28651-035-0	2	BOLT; HSG M10X35 FLANGE
224	0-44011-235-0	3	STUD; STARTER M12X35 L=53
237	9-09664-002-0	2	PLUG; FYLWHEEL HSG
241 (B)	9-09164-510-0	2	WASHER; PL,HSG ID=10
297	9-09571-416-0	1	GASKET; PLUG,HSG ID=16.2 OD=24
298	0-92002-416-0	2	PLUG; TAPER SCREW M16X12

0-20 TIMING GEAR CASE AND FLYWHEEL HOUSING
(No5)



KEY No.	Part no.	qty	Part description
570	1-83190-045-0	1	CAP; ELBOW
571	1-83129-092-0	1	GASKET; CAP

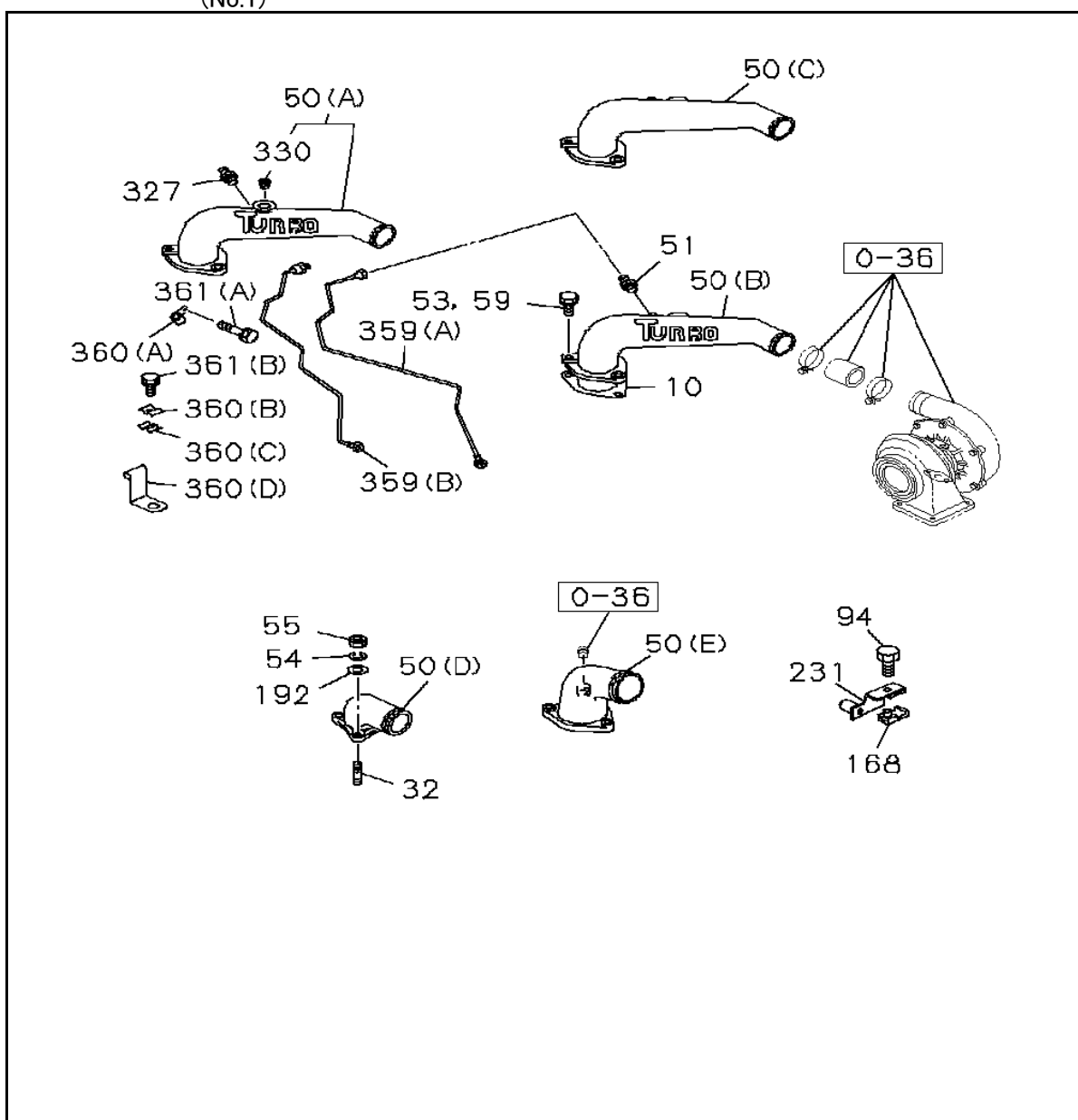
0-22 ENGINE MOUNTING



KEY No.	Part no.	qty	Part description
2 (E)	8-97323-573-0	1	FOOT; ENG

0-25 INLET MANIFOLD

(No.1)

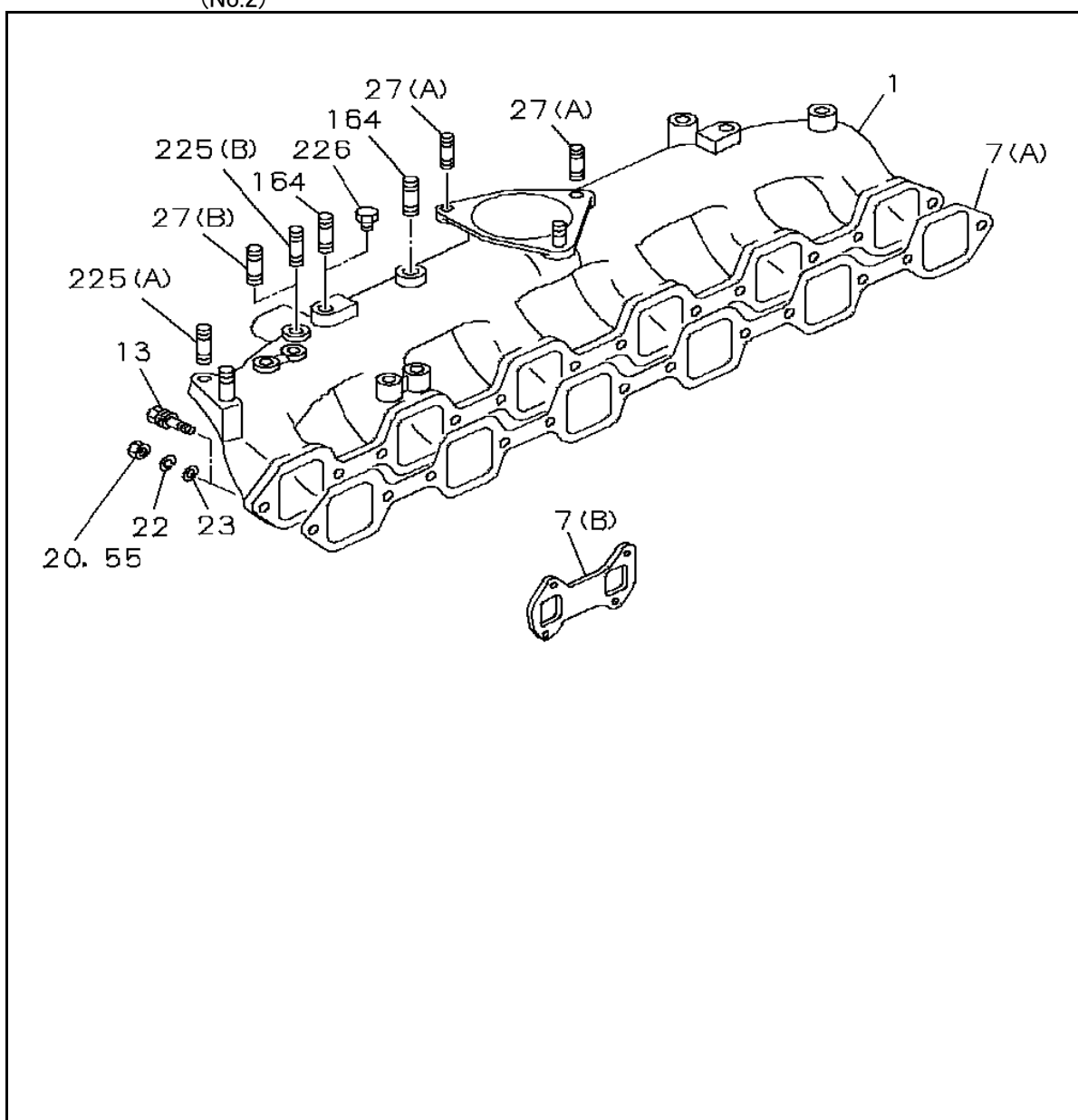


KEY No.	Part no.	qty	Part description
10	1-14115-059-0	1	GASKET; INL PIPE TO MANIF ALSO INCLUDED IN GASKET SET(ENGINE)
32	0-40210-828-0	3	STUD; INL PIPE M8X28 L=44
50 (D)	1-14112-756-0	1	PIPE; INL
50 (E)	8-98180-384-0	1	PIPE; INL
51	1-09650-074-1	1	NIPPLE; BOOST PIPE M12 & PT1/4
54	0-91510-508-0	3	WASHER; LK,INL PIPE ID=8.2
55	0-91110-508-0	3	NUT; INL PIPE M8
192	0-91610-508-0	3	WASHER; PL,INL PIPE ID=8
327	1-14460-003-1	1	VALVE; SAFETY,TURBOCHARGER
330	9-09664-005-0 <1-09605-020-0>	1	PLUG; INL PIPE PT3/4
359 (A)	1-14121-124-0	1	PIPE ASM; BOOST SENSOR
360 (D)	1-09700-121-0	1	CLIP; BOOST PIPE

KEY No.	Part no.	qty	Part description
361 (B)	0-28050-812-0	1	BOLT; CLIP

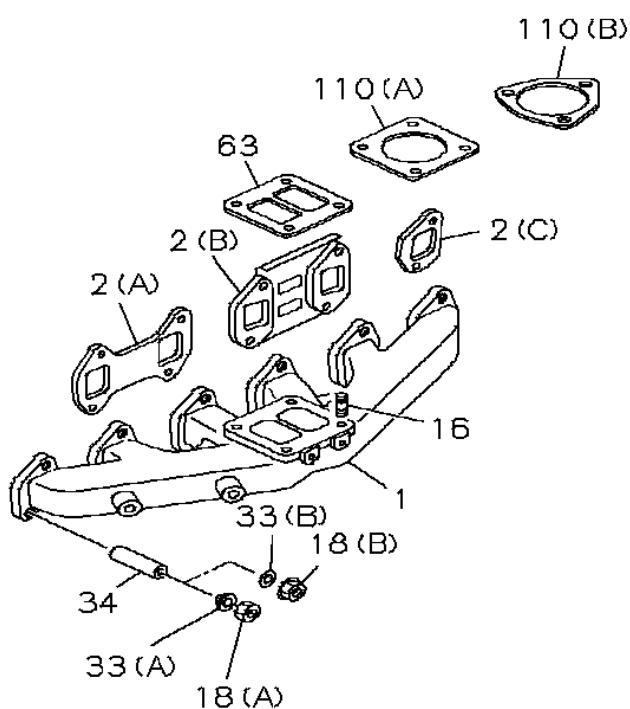
0-25 INLET MANIFOLD

(No.2)



KEY No.	Part no.	qty	Part description
1	1-14112-180-3	1	MANIFOLD; INL
7 (B)	1-14115-104-0	3	GASKET; INL MANIF TO HD ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
13	0-50140-828-0	6	BOLT; INL MANIF M8X28 W/LK&PL WASHER
20	0-91110-508-0	6	NUT; INL MANIF M8
22	0-91510-508-0	6	WASHER; LK,INL MANIF ID=8.2
23	0-91610-508-0	6	WASHER; PL,INL MANIF ID=8
164	9-04411-022-0	2	STUD; BRKT,ENG CONT M10X22 L=37
225 (A)	9-04411-028-0 <0-44011-028-0>	2	STUD; FUEL FILTER M10X28 L=43
225 (B)	5-09300-029-0 <1-09300-053-0>	2	STUD; FUEL FILTER M10X18 L=33

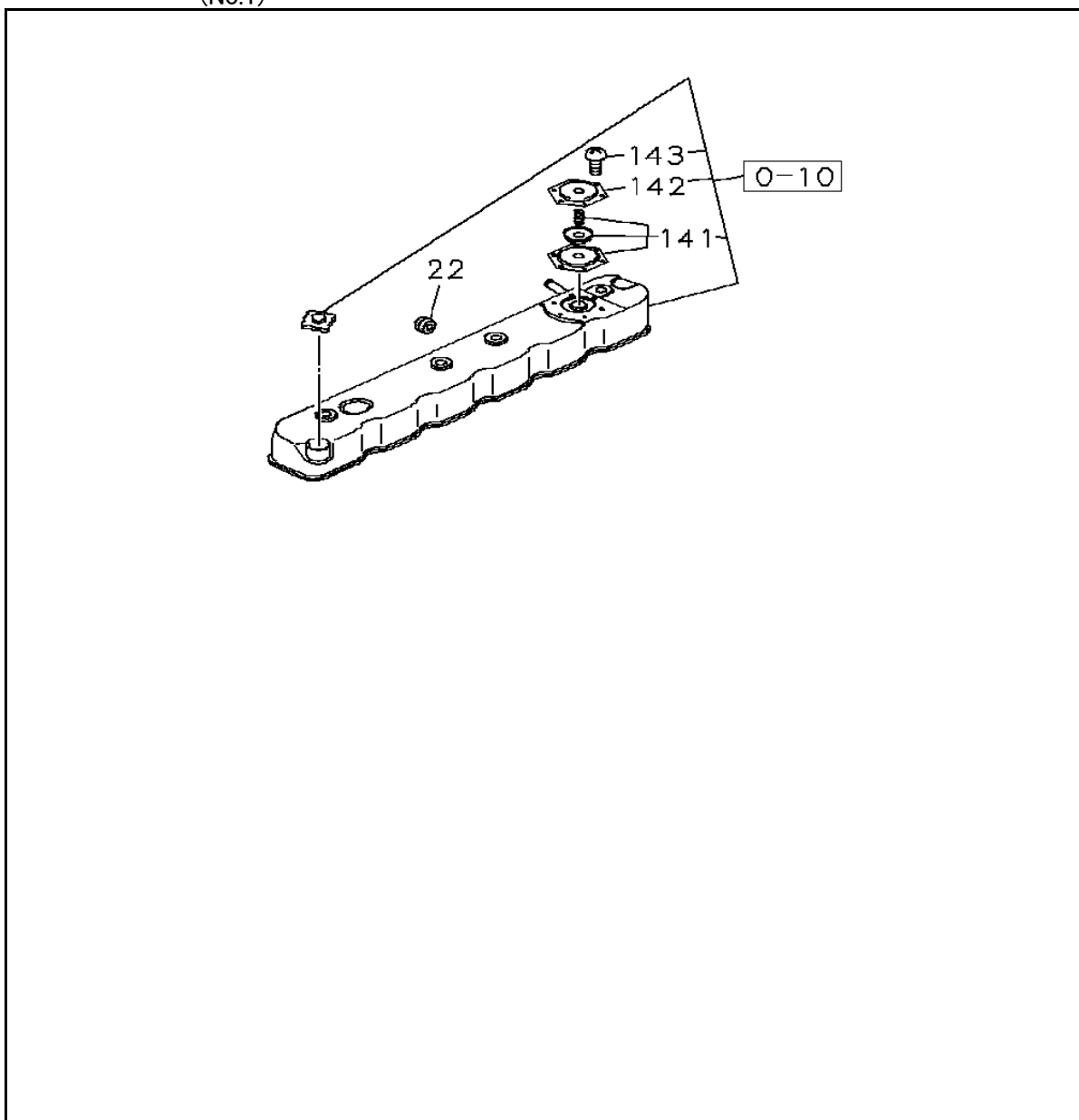
0-27 EXHAUST MANIFOLD



KEY No.	Part no.	qty	Part description
1	1-14141-791-2	1	MANIFOLD; EXHAUST
2 (A)	8-94404-610-0	3	GASKET; EXH MANIF TO HD ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
2 (B)	1-14145-083-0	3	GASKET; EXH MANIF TO HD ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
16	9-04731-025-0	4	STUD; EXH PIPE TO MANIF M10X25 L=40
18 (B)	1-09440-040-1	12	NUT; EXH MANIF M8 H=12.5
34	1-14149-170-1	12	COLLAR; DIST,EXH MANIF L=44.3
63	1-14145-140-0	1	GASKET; EXH MANIF
110 (B)	1-14145-171-1	1	GASKET; PIPE TO MANIF

0-28 VENTILATION SYSTEM

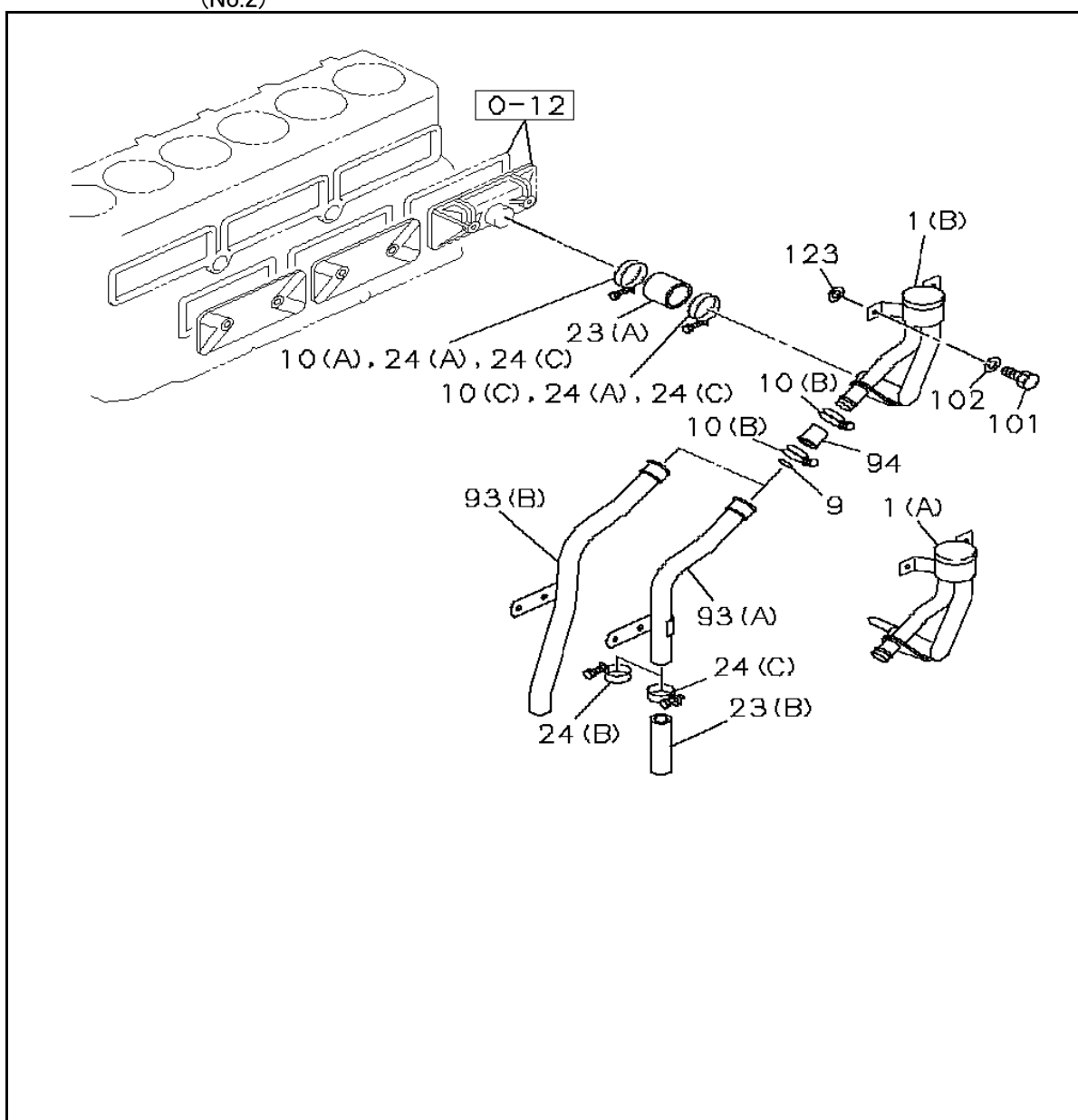
(No.1)



KEY No.	Part no.	qty	Part description
141	8-94110-111-0	1	DIAPHRAGM ASM
142	1-14362-002-0	1	COVER; PCV

0-28 VENTILATION SYSTEM

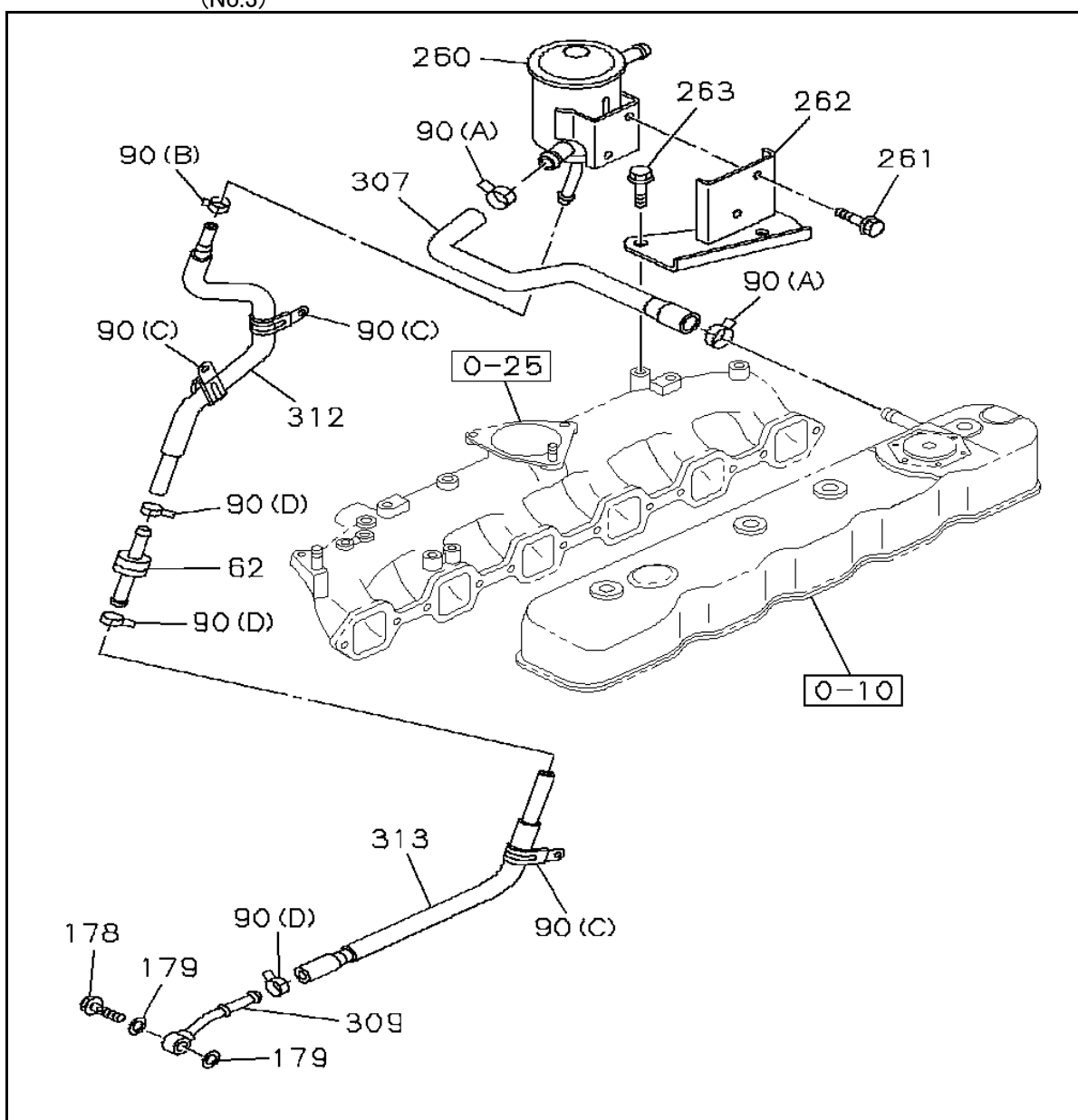
(No.2)



KEY No.	Part no.	qty	Part description
1 (B)	1-11740-281-0	1	BREATHER; AIR
9	9-09561-328-0	1	GASKET; AIR BREATHER
10 (A)	9-09915-281-1 <9-09915-512-1>	1	CLIP; AIR BREATHER ID=45
10 (C)	9-09915-512-1	1	CLIP; AIR BREATHER ID=48
23 (B)	5-09360-911-0	1	HOSE; RUBBER,VENTILATOR PIPE L=500
24 (B)	5-09704-031-3	1	CLIP; RUBBER HOSE,VENTILATOR ID=38
24 (C)	5-09704-031-3	2	CLIP; RUBBER HOSE,VENTILATOR
93 (A)	1-11742-022-1	1	PIPE; DRAIN
94	5-11749-032-1	1	HOSE; BREATHER TO PIPE
101	0-91180-208-0	2	NUT; BRKT,AIR BREATHER M8 FLANGE
123	0-91614-608-0	2	WASHER; LK,BRKT ID=8

0-28 VENTILATION SYSTEM

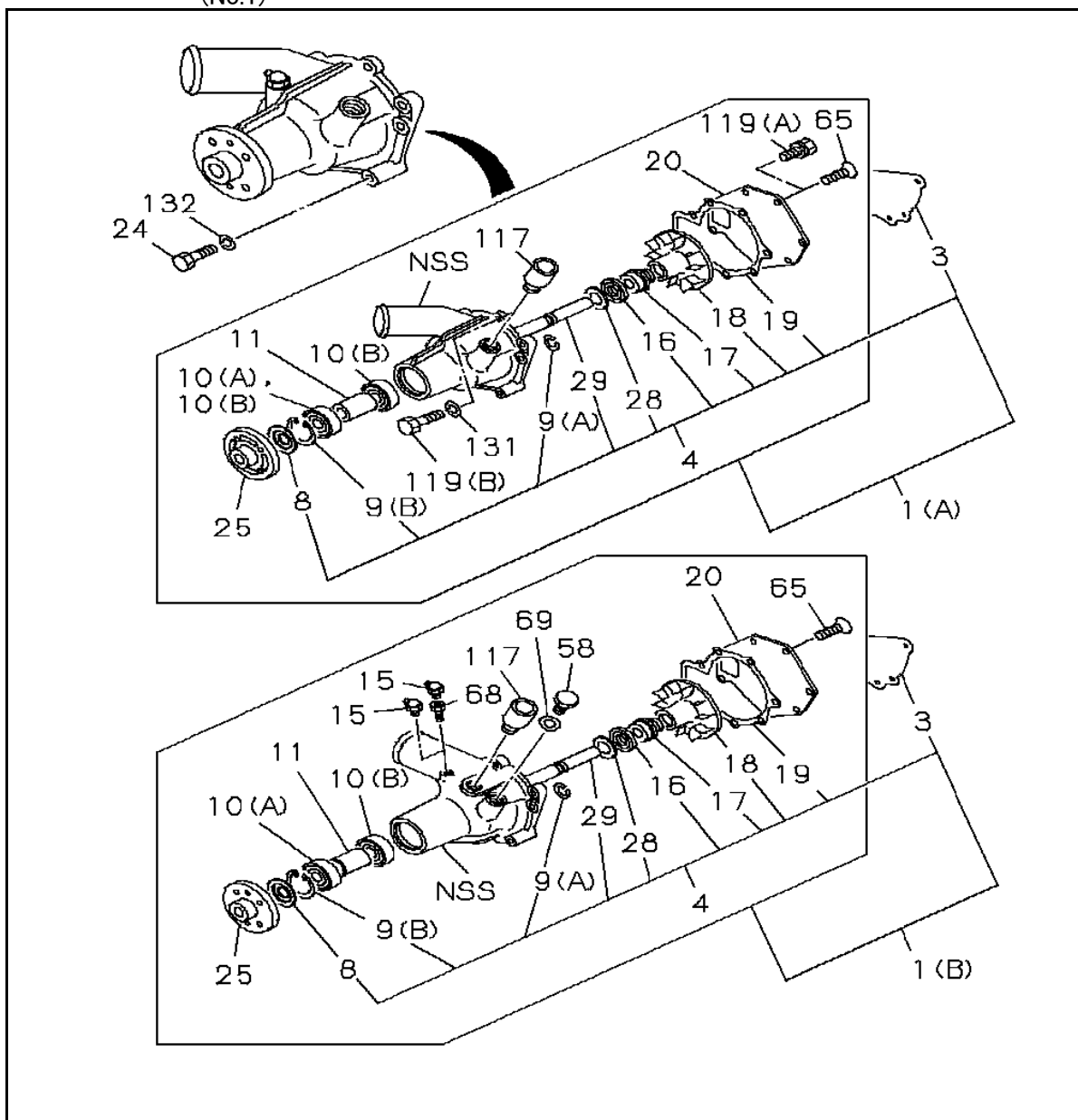
(No.3)



KEY No.	Part no.	qty	Part description
62	8-94249-317-1	1	VALVE; CHECK,PCV
90 (A)	8-94238-924-0 <8-94478-875-0>	2	CLIP; RUBBER HOSE
90 (B)	8-97173-220-0	1	CLIP; RUBBER HOSE
90 (C)	8-94443-021-1	3	CLIP; RUBBER HOSE
90 (D)	8-97173-221-0 <8-97148-892-1>	3	CLIP; RUBBER HOSE
178	1-09675-081-0	1	BOLT; PIPE
179	1-09630-084-0	2	GASKET; PIPE
262	1-23335-578-0	1	BRACKET; OIL SEPARATOR
307	1-09361-132-0	1	HOSE; RUBBER,HEAD COVER TO OIL SEPARATOR
309	8-97063-234-0	1	PIPE ASM; OIL SEPARATOR
312	1-09361-133-0	1	HOSE; RUBBER,OIL SEPARATOR TO VALVE
313	1-09361-134-0	1	HOSE; RUBBER,VALVE TO C/BLOCK

0-30 WATER PUMP AND CORROSION RESISTOR

(No.1)

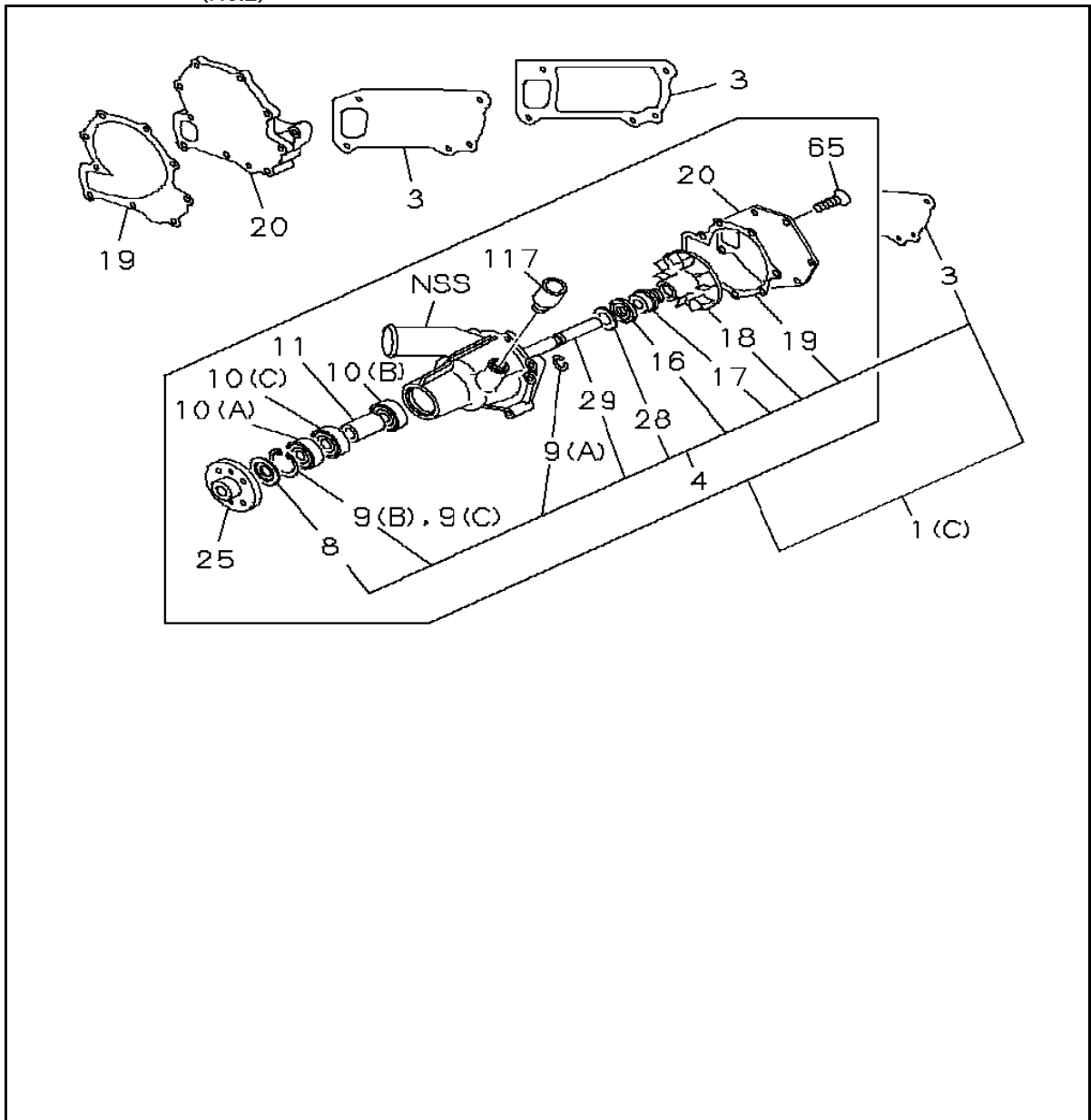


KEY No.	Part no.	qty	Part description
3	8-94370-661-0	1	GASKET; PUMP TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
4	5-87814-320-1	1	REPAIR KIT; WATER PUMP
8	5-13639-001-0	1	THROWER; DUST,WATER PUMP
9 (A)	9-09952-143-0	1	RING; SNAP,WATER PUMP
9 (B)	9-09180-152-0	1	RING; SNAP,WATER PUMP
10 (A)	5-09800-051-0	1	BEARING; WATER PUMP
10 (B)	5-09800-050-0	1	BEARING; WATER PUMP
11	5-13634-002-0	1	SPACER; BRG,WATER PUMP
16	5-09625-055-0 <1-09625-545-0>	1	SEAL; OIL,WATER PUMP
17	8-97232-249-0 <1-13620-023-0>	1	SEAL UNIT; WATER PUMP
18	8-97232-250-0	1	IMPELLER; WATER PUMP
19	8-97232-248-0	1	GASKET; COVER TO BODY
20	8-97232-247-0	1	COVER; WATER PUMP
24	0-28051-070-0	1	BOLT; WATER PUMP M10X70 FLANGE

KEY No.	Part no.	qty	Part description
24	0-28651-035-0	1	BOLT; WATER PUMP M10X35 FLANGE
24	0-28051-050-0	2	BOLT; WATER PUMP M10X50 FLANGE
25	5-13642-007-2	1	CENTER; WATER PUMP
28	1-09503-070-0	1	WASHER; WATER PUMP
29	1-13631-074-0	1	SHAFT; WATER PUMP
65	9-03090-820-0	3	SCREW; COVER,WATER PUMP
117	8-97249-895-1	1	CONNECTOR; BYPASS

0-30 WATER PUMP AND CORROSION RESISTOR

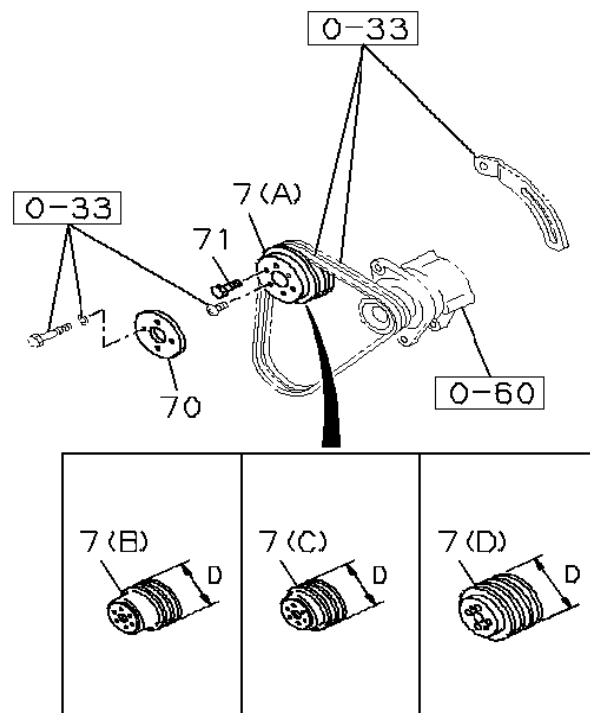
(No.2)



KEY No.	Part no.	qty	Part description
1 (C)	8-97253-028-1	1	PUMP ASM; WATER,W/GASKET
9 (C)	9-09180-168-0	1	RING; SNAP,WATER PUMP
10 (C)	1-09800-170-0	1	BEARING; WATER PUMP

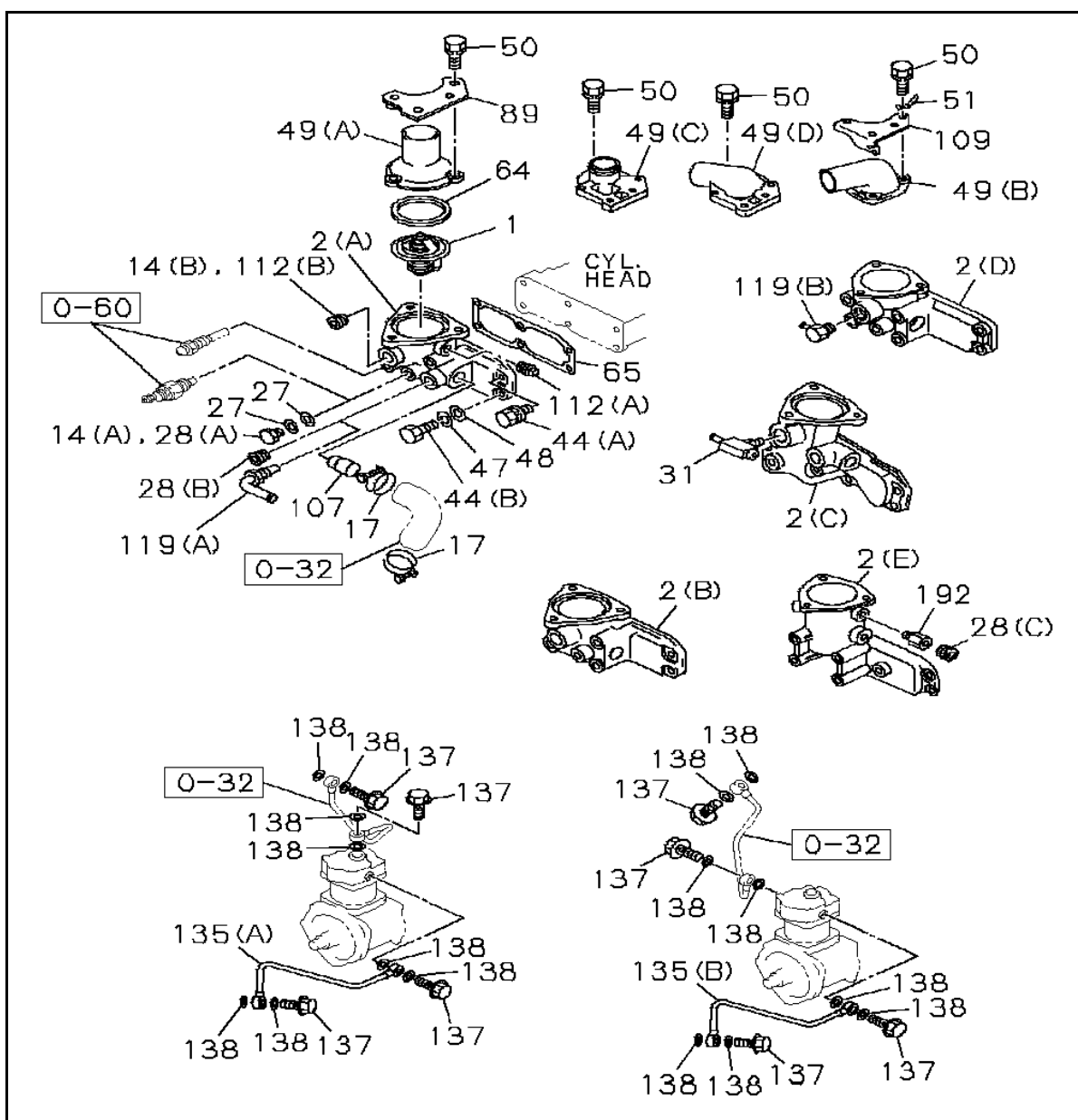
0-30 WATER PUMP AND CORROSION RESISTOR

(No.3)



KEY No.	Part no.	qty	Part description
7 (A)	1-13641-187-0	1	PULLEY; WATER PUMP 2-GROOVE D=174
70	5-13642-052-0	1	SPACER; PULLEY T=8
71	0-50040-822-0	4	BOLT; PULLEY M8X22 W/LK WASHER

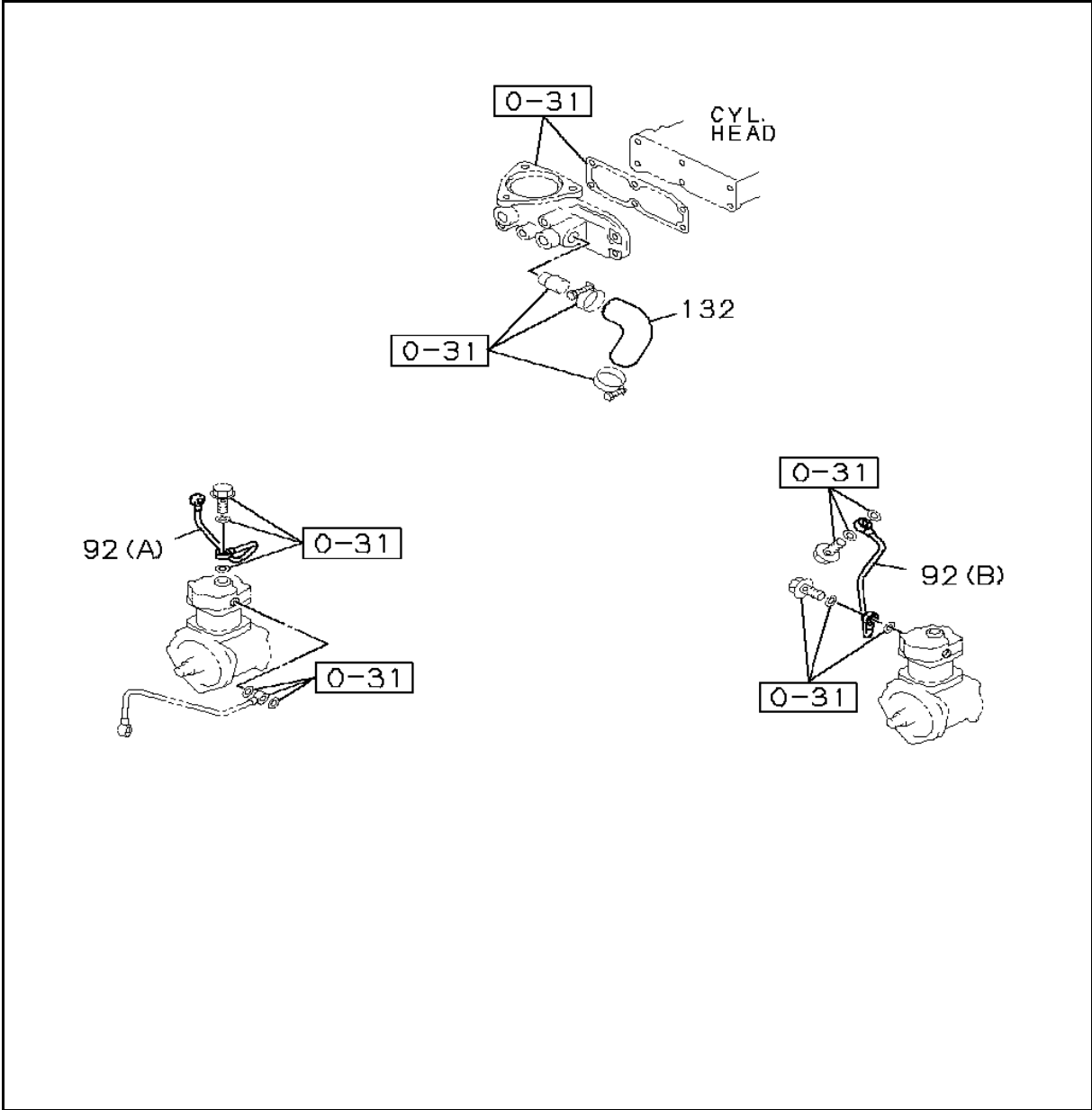
0-31 THERMOSTAT AND HOUSING



KEY No.	Part no.	qty	Part description
1	1-13770-070-0	1	THERMOSTAT 82°C
2 (A)	5-13716-026-0	1	HOUSING; THERMOSTAT
2 (E)	1-13711-399-3	1	HOUSING; THERMOSTAT
14 (A)	9-09661-005-0	1	PLUG; SW M16X8 PLUG
14 (B)	9-09664-005-0 <1-09605-020-0>	1	PLUG; SW PT3/4
17	5-09704-046-0	2	CLIP; WATER HOSE
27	9-09571-416-0	1	GASKET; SW ID=16.2 OD=24
28 (B)	9-09662-034-0	1	PLUG; HTR M25
28 (C)	8-94231-272-1	1	PLUG; HTR NPTF1/4-18
31	5-09680-013-0	1	COCK; HTR
44 (A)	0-28651-035-0	3	BOLT; HSG TO HD M10X35 FLANGE

KEY No.	Part no.	qty	Part description
44 (B)	0-10806-095-0	3	BOLT; HSG TO HD M10X95
47	9-09150-510-0 <1-09985-345-0>	3	WASHER; LK,THERMOSTAT HSG ID=10.2
47	0-91510-510-0	3	WASHER; LK,THERMOSTAT HSG ID=10.2
48	0-91610-510-0	3	WASHER; PL,THERMOSTAT HSG ID=10.5
49 (A)	8-97138-003-2	1	PIPE; WATER OUTLET
50	0-50640-825-0	3	BOLT; OUTLET PIPE M8X25 W/LK&PL WASHER
51	1-09700-418-1	1	CLIP; JOINT,THERMOSTAT L=63
64	1-13743-016-0	1	GASKET; OUTLET PIPE TO HSG ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
65	8-97235-789-2	1	GASKET; HSG TO HD ALSO INCLUDED IN GASKET SET(ENG. & HEAD)
89	8-97287-381-0	1	BRACKET
107	8-97253-362-1	1	PIPE; WATER,BYPASS
109	1-21559-164-1	1	BRACKET; FAN GUIDE
135 (A)	1-13721-253-1	1	PIPE; WATER,OIL COOLER TO AIR CMPR
137	1-09675-193-0	4	BOLT; EYE,WATER PIPE M14X27 FLANGE
138	1-09630-085-0	8	GASKET; WATER PIPE ID=14.2 OD=19.2
192	1-09660-451-0	1	CONNECTOR; THERMOSTAT HSG

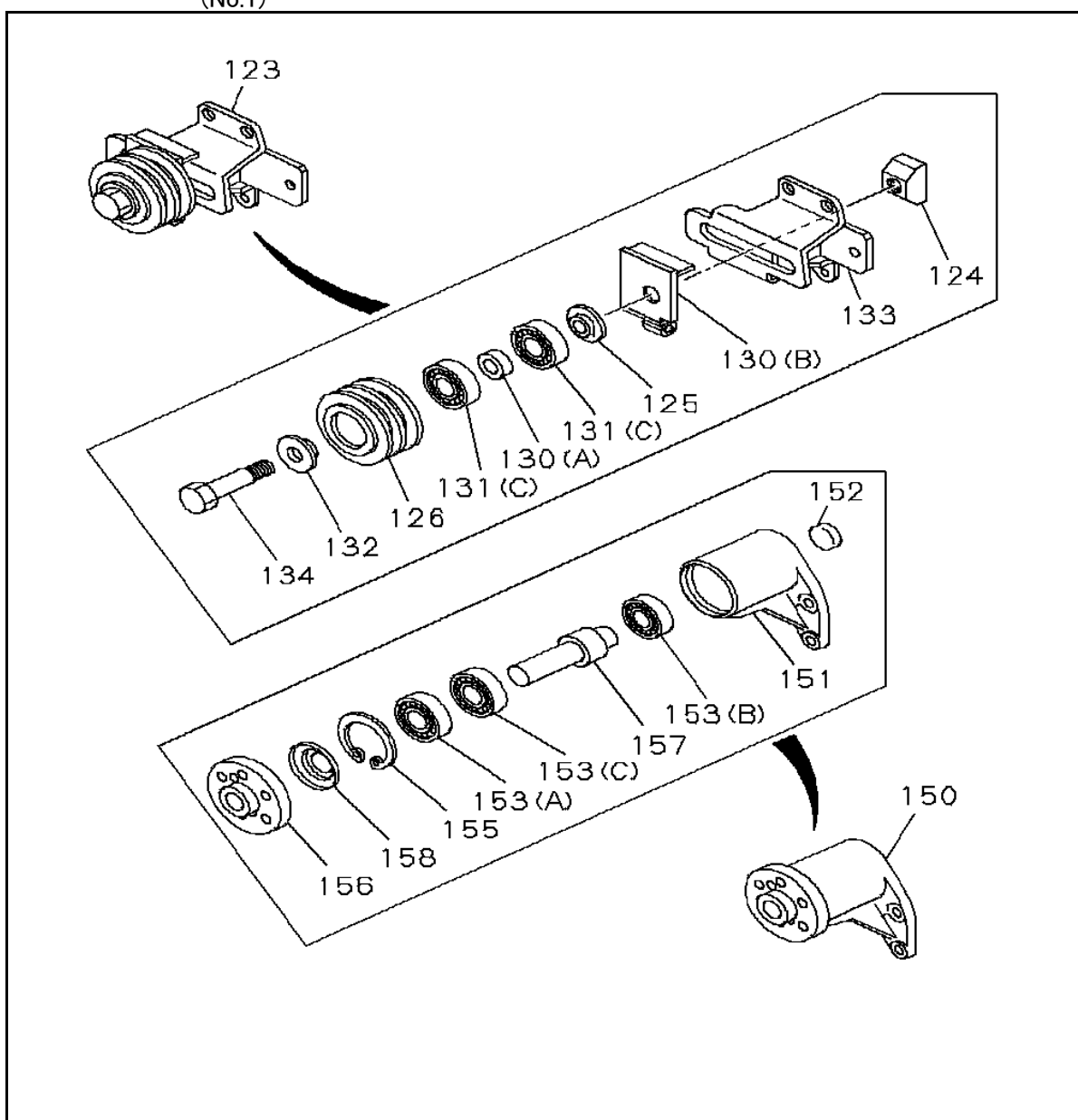
0-32 WATER PIPING; ENGINE



KEY No.	Part no.	qty	Part description
92 (A)	1-13721-307-0 <1-13721-316-0>	1	PIPE; WATER,AIR CMPR,OUT
92 (B)	1-13721-315-0	1	PIPE; WATER,AIR CMPR,OUT

0-33 FAN AND FAN BELT

(No.1)

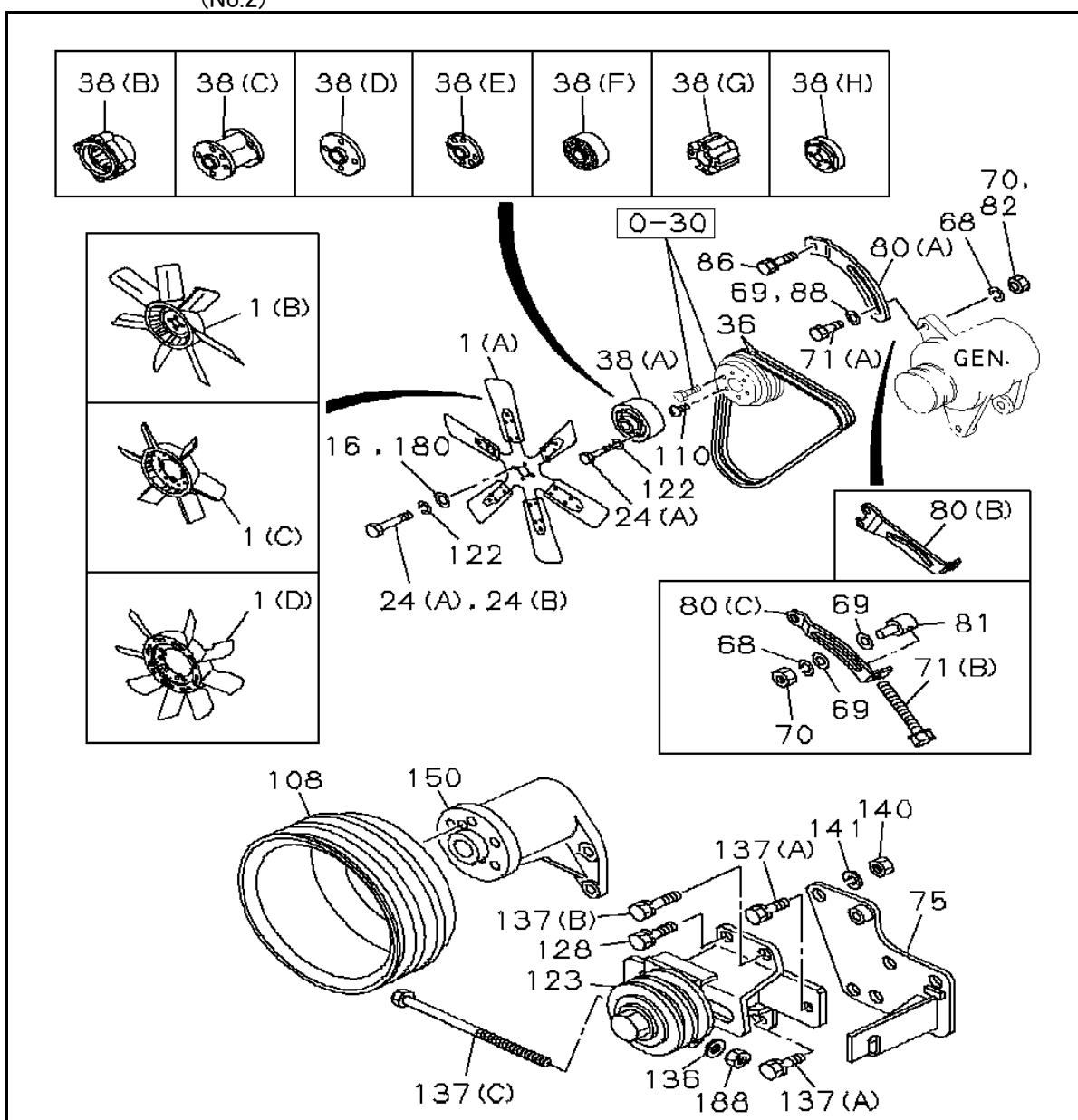


KEY No.	Part no.	qty	Part description
123	1-13660-238-0	1	PULLEY ASM; CENTER
124	1-13669-116-1	1	NUT; BRG
125	1-13666-020-0	1	WASHER
130 (A)	1-13666-017-0	1	SPACER; IDLE PULLEY BRG
130 (B)	1-13669-124-0	1	SPACER; IDLE PULLEY BRG
131 (C)	5-09800-052-0 <1-09800-262-0>	2	BEARING; BALL,FAN PULLEY
132	1-13664-010-0	1	COVER; DUST
133	1-13668-021-0	1	BRACKET; IDLE PULLEY
134	1-13665-022-0	1	SPINDLE; IDLE PULLEY
150	1-13660-252-0	1	CASE ASM; BRG,FAN
151	1-13661-044-1	1	CASE; GRG
152	1-09600-011-2	1	CUP; SEALING OD=22
153 (A)	1-09800-011-0 <1-09800-038-0>	1	BEARING; BALL,BRG CASE
153 (B)	1-09800-012-0 <1-09800-299-0>	1	BEARING; BALL,BRG CASE
153 (C)	1-09800-155-0	1	BEARING; BALL,BRG CASE

KEY No.	Part no.	qty	Part description
155	9-09180-162-0	1	RING; SNAP,BRG CASE
156	1-13642-037-0	1	CENTER; BRG CASE
157	1-13665-030-1	1	SHAFT; BRG CASE
158	1-13639-021-0 <8-94399-457-0>	1	COVER; DUST,BRG CASE

0-33 FAN AND FAN BELT

(No.2)

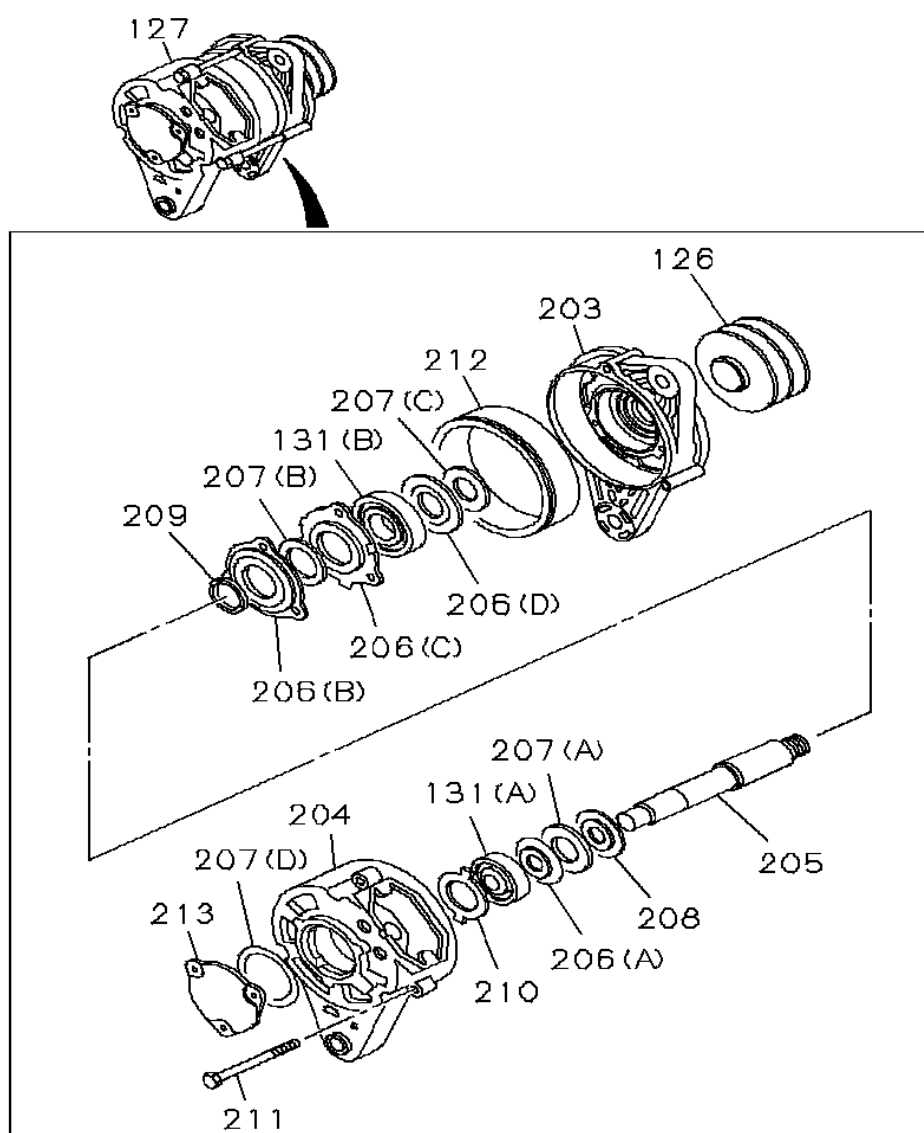


KEY No.	Part no.	qty	Part description
1 (B)	8-94483-897-1	1	FAN; COOLING D=550-7-BLOW
16	0-91614-708-0	4	WASHER; PL,COOLING FAN ID=8 OD=22
24 (A)	0-28060-890-0	4	BOLT; FAN
36	1-13671-226-0	1	BELT; COOLING FAN L=1246 2-PIECES SET
38 (D)	9-13669-080-1	1	SPACER; FAN T=8
38 (G)	1-13642-051-0	1	SPACER; FAN T=70
68	0-91510-512-0	1	WASHER; LK,ADJ PLATE,GEN ID=12
69	9-09160-712-0 <0-91610-712-0>	2	WASHER; PL,ADJ PLATE,GEN ID=12
70	0-91110-512-0	1	NUT; ADJ PLATE,GEN M12
71 (B)	1-09009-114-1	1	BOLT; ADJ PLATE,GEN M10X155 FLANGE

KEY No.	Part no.	qty	Part description
75	1-13668-018-1	1	BRACKET; IDLE PULLEY
80 (C)	1-13674-118-1	1	PLATE; ADJ
81	1-13674-161-0	1	PIECE; SLIDING M12X59
82	9-99110-412-0 <0-91110-512-0>	1	NUT; ADJ PLATE M12
86	0-28651-025-0	1	BOLT; ADJ M10X25 FLANGE
88	9-09160-712-0 <0-91610-712-0>	2	WASHER; PL,ADJ PLATE ID=12
108	5-13641-017-1 <1-13641-165-0>	1	CENTER; COOLING FAN 2-GROOVE
110	9-03490-610-0 <1-09981-511-0>	2	SCREW; PULLEY M6X10
122	0-91510-508-0	4	WASHER; LK,FAN ID=8.2
136	9-09160-708-0 <0-91610-708-0>	1	WASHER; TENSION ID=8 OD=22
137 (A)	0-50040-820-0 <0-50740-820-0>	2	BOLT; TENSION M8X20 W/LK WASHER
137 (B)	0-50040-828-0 <8-97329-626-0>	1	BOLT; TENSION M8X28 W/LK WASHER
137 (C)	1-09000-483-1	1	BOLT; TENSION M8X175
141	9-09150-508-0 <0-91510-508-0>	1	WASHER; LK,IDLE PULLEY ID=8.2
180	9-09164-708-0 <0-91614-708-0>	4	WASHER; PL,FAN TO BRKT

0-33 FAN AND FAN BELT

(No.3)



KEY No.	Part no.	qty	Part description
127	1-13663-190-0	1	PULLEY ASM; IDLE,FAN
131 (A)	1-81229-224-0	1	BEARING; BALL,FAN PULLEY
131 (B)	1-81229-225-0	1	BEARING; BALL,FAN PULLEY
203	1-81213-024-0	1	BRACKET; FRT,IDLE PULLEY
204	1-13668-015-0	1	BRACKET; RR,IDLE PULLEY
205	1-13665-016-0	1	ROTOR; IDLE PULLEY
206 (A)	9-82216-060-0	1	RETAINER; BRG,IDLE PULLEY
206 (B)	1-81229-161-0	1	RETAINER; BRG,IDLE PULLEY
206 (C)	1-81229-163-0	1	RETAINER; BRG,IDLE PULLEY
206 (D)	1-81229-164-0	1	RETAINER; BRG,IDLE PULLEY
207 (A)	1-81229-231-0	1	GASKET; BRG,IDLE PULLEY
207 (B)	1-81229-162-0	1	GASKET; BRG,IDLE PULLEY
207 (C)	1-81229-165-0	1	GASKET; BRG,IDLE PULLEY
207 (D)	1-81229-233-0	1	GASKET; BRG,IDLE PULLEY
208	1-81229-123-0	1	PLATE; BRG,IDLE PULLEY
209	1-81229-160-0	1	COLLAR; ROTOR,IDLE PULLEY
210	1-81229-230-0	1	CLIP; ROTOR,IDLE PULLEY
211	1-81229-097-0 <1-81229-660-0>	3	BOLT; THROUGH,IDLE PULLEY

KEY No.	Part no.	qty	Part description
212	1-81229-612-0	1	RING; BRKT
213	1-81214-083-0	1	COVER; BRG

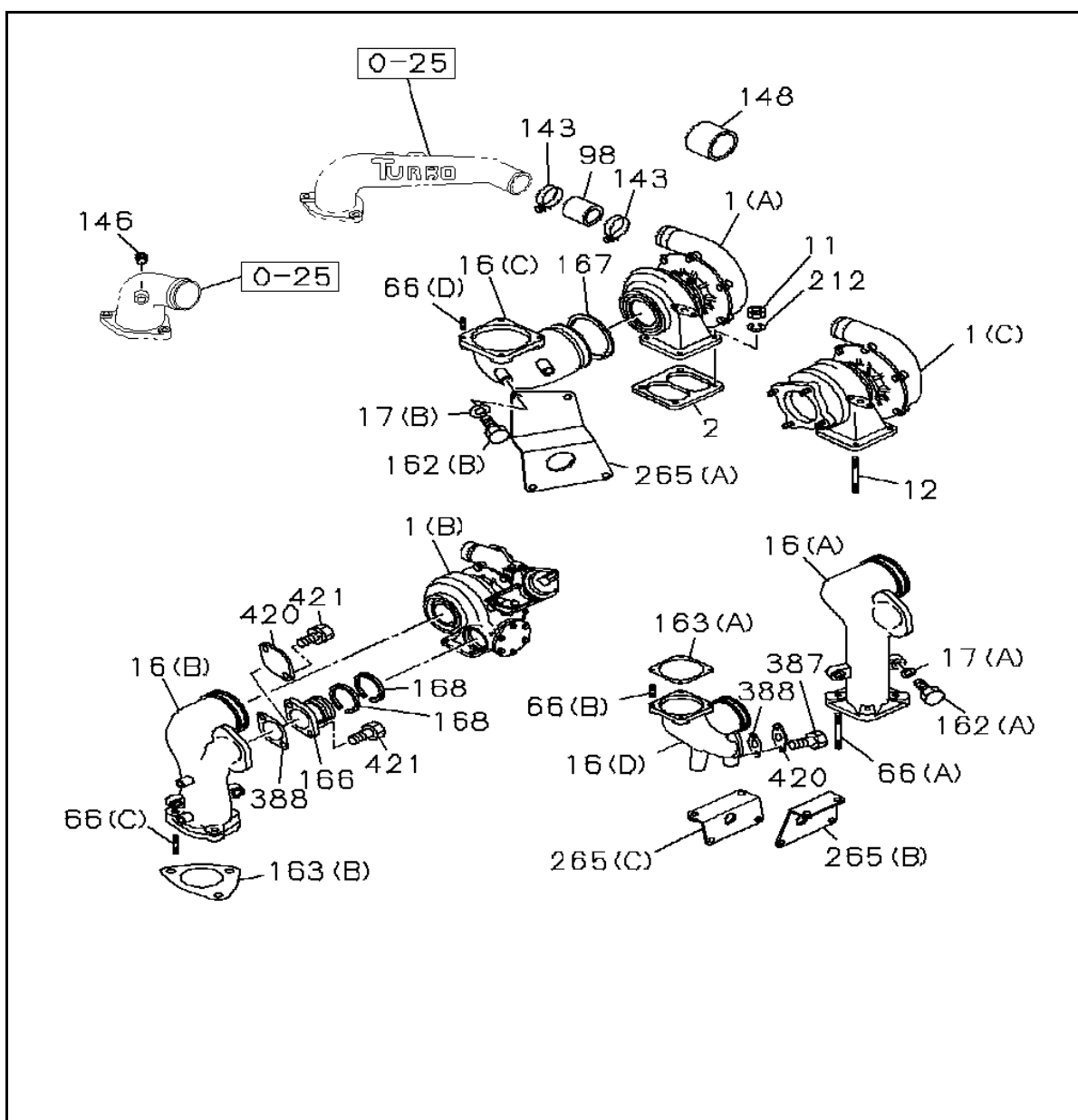
This diagram illustrates the exploded view of a mechanical assembly, likely a fuel system component. The central part is a rectangular plate with a wavy edge, labeled "INJ. PUMP". Various components are shown around it, with their assembly sequence indicated by numbers in boxes: 0-60 and 0-40. The parts are labeled with alphanumeric codes:

- Top Left:** 219 (B), 214, 190 (C).
- Top Right:** 189 (A), 190 (B), 228, 211, 270 (D), 337.
- Center:** 339, 219 (A), 271 (B), 211, 270 (D), 271 (A), 271 (B), 335, 211, 335, 336, 210, 248, 197, 193, 270 (A), 270 (B), 190 (A), 211, 271 (A), 271 (A), 271 (A).
- Bottom Left:** 268 (B), 269.
- Bottom Center:** 269, 340, 268 (A).
- Bottom Right:** 189 (B), 269.

The diagram shows the relative positions and assembly sequence of these components, with dashed lines indicating the alignment of parts.

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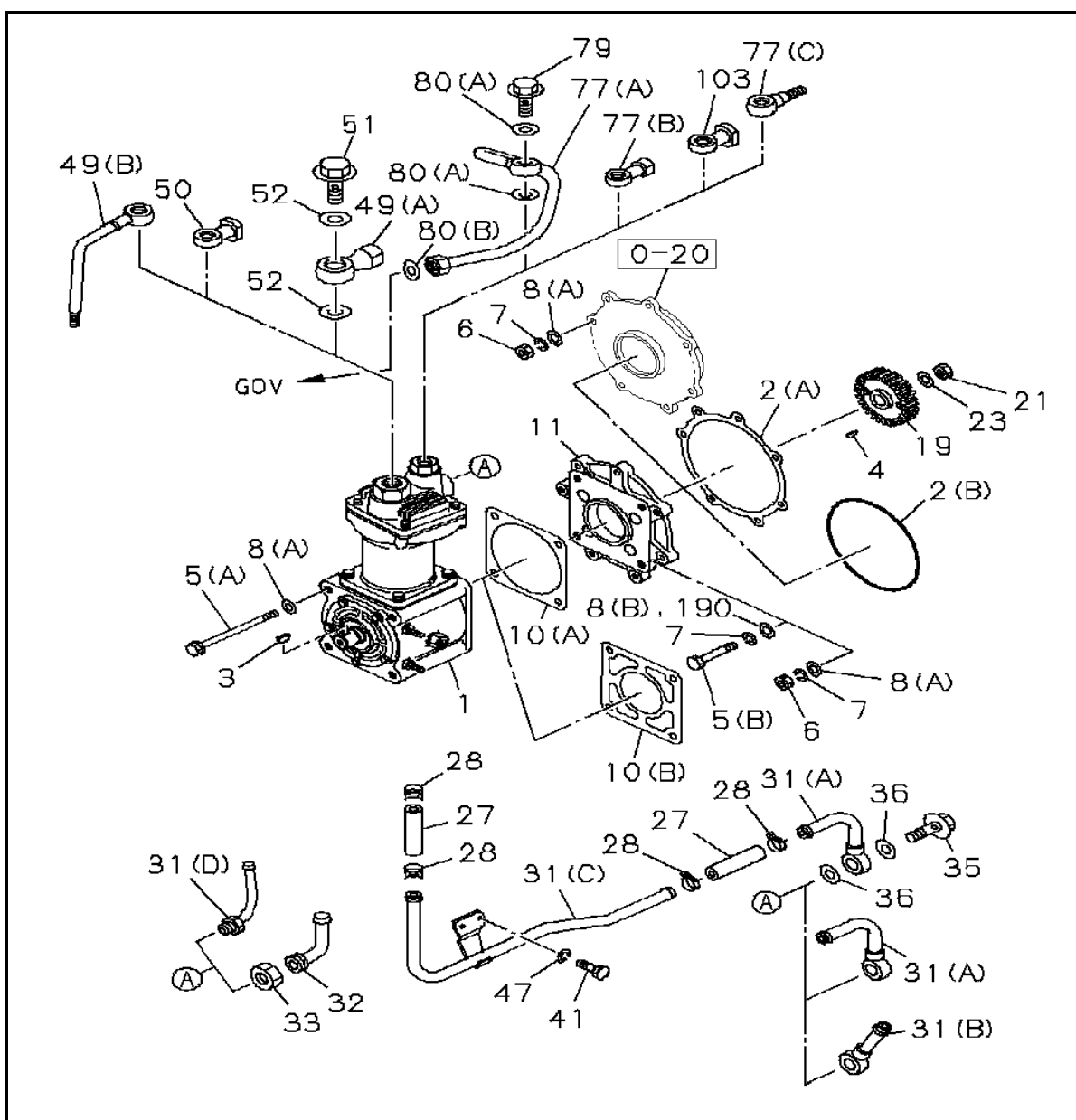
0-36 TURBOCHARGER SYSTEM



KEY No.	Part no.	qty	Part description
1 (A)	1-14400-439-0	1	TURBOCHARGER ASM SEE FIG-NO 0-37 FOR COMPONENT.
1 (B)	1-14400-138-5	1	TURBOCHARGER ASM SEE FIG-NO 0-37 FOR COMPONENT.
2	1-14145-140-1 <1-14145-140-0>	1	GASKET; TURBOCHARGER TO EXH MANIF ALSO INCLUDED IN GASKET SET(ENGINE)
11	9-09842-007-0	3	NUT; TURBOCHARGER M10 P=1.5 HEX17
11	1-09420-005-0	1	NUT; TURBOCHARGER M10 P=1.5 HEX14
16 (D)	1-14144-484-1	1	ADAPTER; EXH PIPE
66 (A)	5-09303-005-1	4	STUD; EXH PIPE M10X75 L=95
66 (B)	9-04311-020-0	4	STUD; EXH PIPE M10X20 L=40
98	1-09360-782-0	1	HOSE; RUBBER
143	8-94316-991-0	2	CLIP; HOSE,TURBOCHARGER OUTLET ID=50-69
143	9-09915-551-1	2	CLIP; HOSE,TURBOCHARGER OUTLET

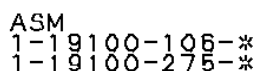
KEY No.	Part no.	qty	Part description
146	8-97320-204-0	1	PLUG; INL PIPE
163 (A)	1-14145-184-0	1	GASKET; ADAPTER TO EXH PIPE
166	1-14144-436-0 <1-14144-434-0>	1	PIPE; EXH
168	1-14149-083-0 <1-14149-083-1>	2	RING; SEAL,EXH PIPE
212	1-09503-033-1 <1-09503-222-0>	4	WASHER; PL,TURBOCHARGER ID=10
265 (B)	1-22131-516-0	1	BRACKET; EXH PIPE

0-38 AIR COMPRESSOR PIPING; ENGINE SIDE



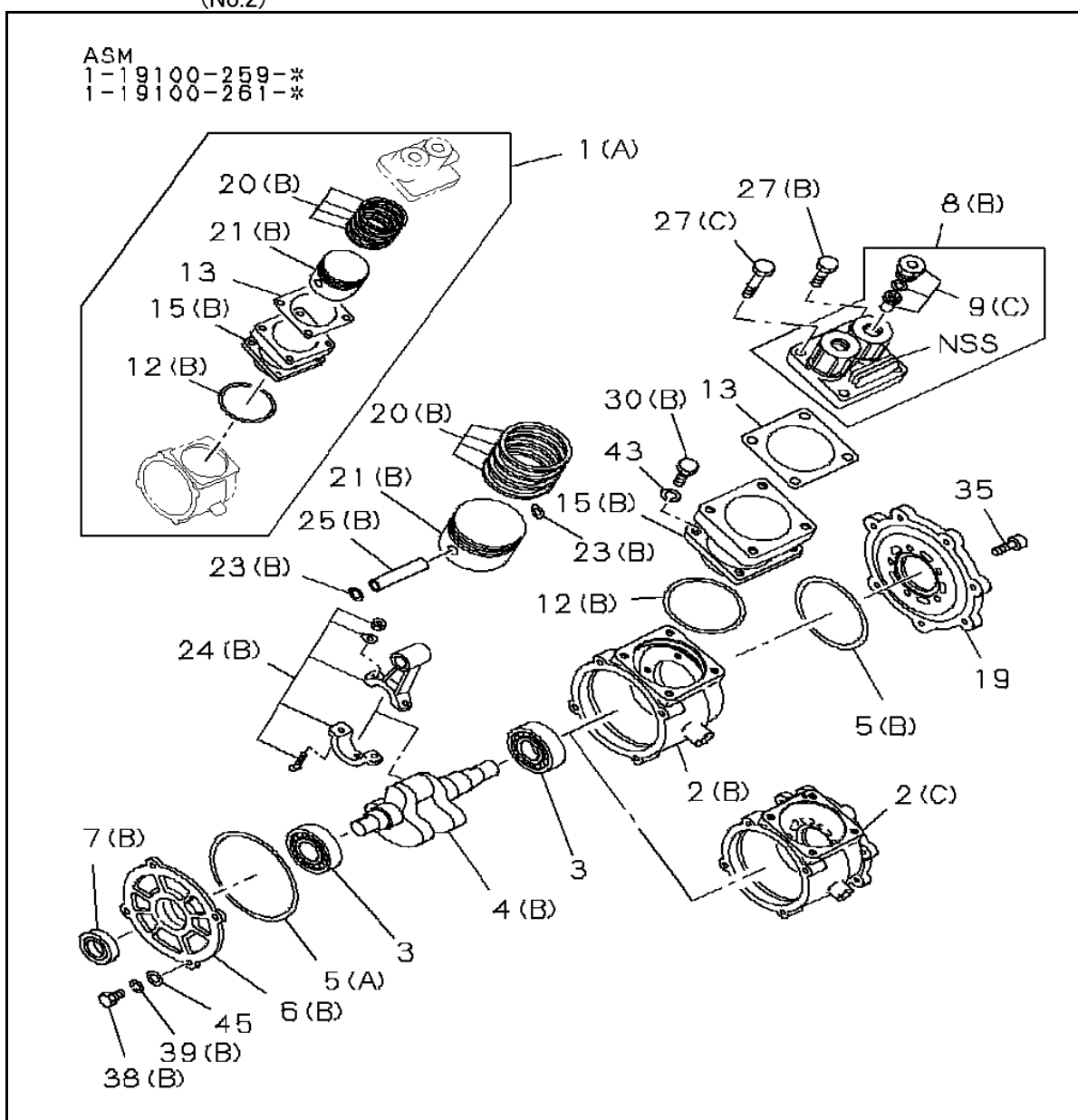
KEY No.	Part no.	qty	Part description
10 (A)	1-19158-016-0 <1-19158-029-0>	1	COMPRESSOR ASM; AIR
27	9-09912-813-0	2	HOSE; AIR CMPR,SUCTION L=100,S.B. L=1000
28	1-09707-091-0 <8-94342-958-0>	2	CLIP; HOSE,AIR,CMPR ID=26
31 (C)	1-19191-673-0	1	PIPE; AIR,AIR CMPR SUCTION
31 (D)	1-19191-835-0	1	PIPE; AIR,AIR CMPR SUCTION
32	9-19119-032-0	1	PIPE; AIR,AIR CMPR
47	9-09150-510-0 <1-09985-345-0>	2	WASHER; LK,BRKT ID=10.2
49 (A)	1-09674-142-0	1	PIPE; AIR,CHARGE
77 (A)	1-19192-115-0	1	PIPE; AIR,GOV
77 (B)	1-09674-141-0	1	PIPE; AIR,GOV
80 (B)	9-09572-510-0	1	GASKET; AIR PIPE TO CMPR ID=11 OD=18

(No.1)

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0-39 AIR COMPRESSOR BRAKE

(No.2)

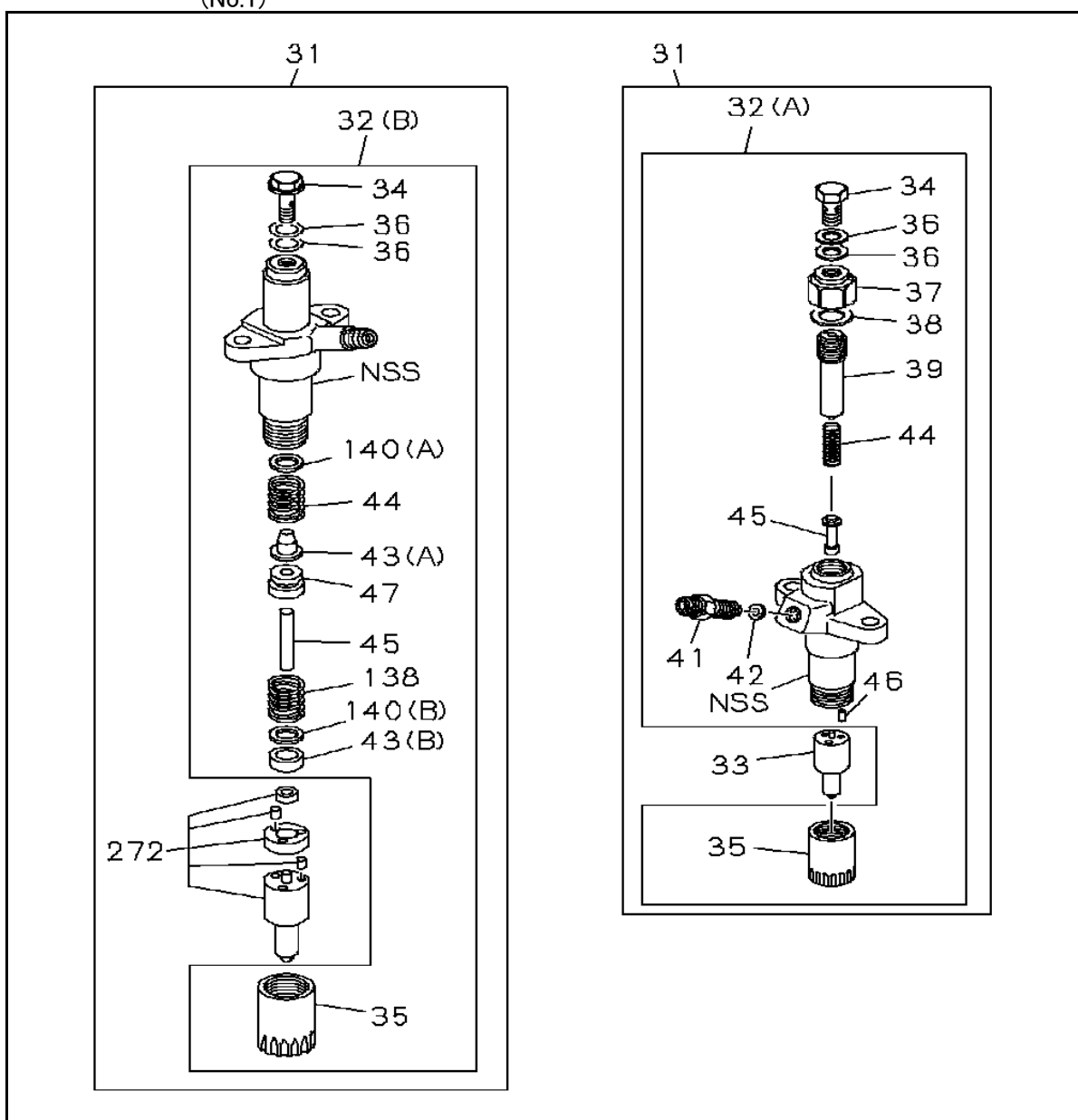


KEY No.	Part no.	qty	Part description
2 (B)	1-19151-223-1 <1-19151-255-0>	1	CRANKCASE; AIR CMPR
4 (B)	1-19171-042-0	1	CRANKSHAFT; AIR CMPR
5 (A)	1-09623-361-0 <1-19158-019-0>	1	GASKET; AIR CMPR
5 (B)	1-19158-022-0	1	GASKET; AIR CMPR
6 (B)	1-19156-041-1	1	COVER ASM; BRG,AIR CMPR
7 (B)	1-19158-024-1	1	SEAL; OIL,BRG COVER,AIR CMPR
15 (B)	1-19151-219-0	1	CYLINDER; AIR CMPR
19	1-19157-002-1	1	FLANGE; AIR CMPR
20 (B)	1-19163-034-0 <1-19163-051-1>	1	RING KIT; PISTON,AIR CMPR
21 (B)	1-19161-016-0	1	PISTON; AIR CMPR
23 (B)	9-19168-008-0 <9-19168-003-0>	2	RING; SNAP,PISTON,AIR CMPR
24 (B)	1-19173-010-0	1	ROD ASM; CONN,AIR CMPR
25 (B)	9-19167-003-0	1	PIN; PISTON,AIR CMPR
27 (B)	9-01066-045-0	2	BOLT; HD M10X45

KEY No.	Part no.	qty	Part description
27 (C)	9-01066-060-0 <0-10956-060-0>	2	BOLT; HD M10X60
30 (B)	9-02051-025-0 <0-20851-025-0>	4	BOLT; CYL TO CRANKCASE M10X25
35	1-09000-358-0	4	BOLT; FLANGE FIX
45	9-09160-508-0 <0-91610-508-0>	4	WASHER; PL,COVER FIX,AIR CMPR ID=8

0-40 FUEL INJECTION SYSTEM

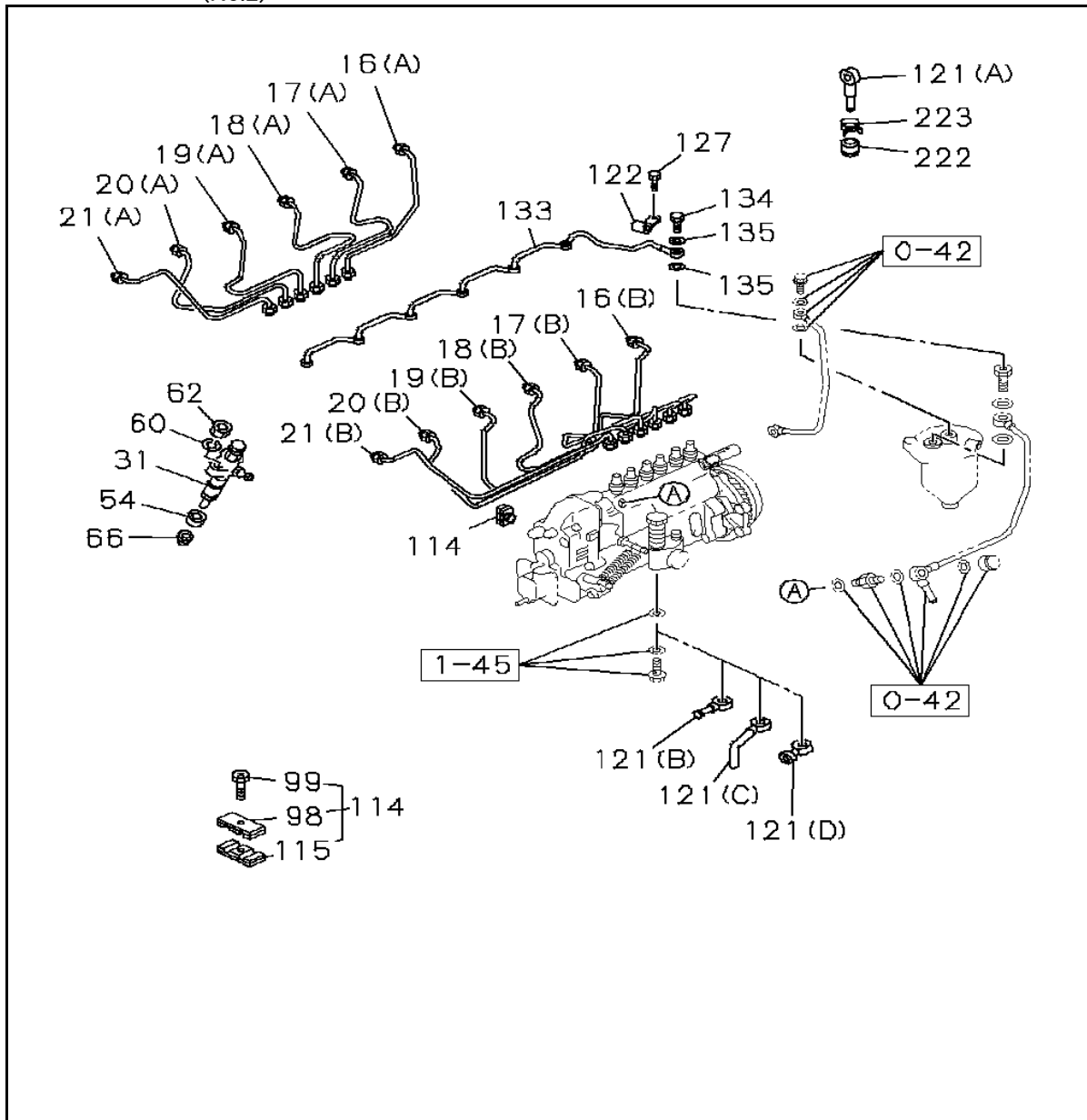
(No.1)



KEY No.	Part no.	qty	Part description
31	1-15300-432-1	6	NOZZLE ASM; INJ
32 (B)	1-15330-131-0	6	HOLDER ASM; NOZZLE
34	1-09675-037-1	6	BOLT; EYE,NOZZLE HOLDER
35	1-15349-111-0	6	NUT; NOZZLE RET,NOZZLE HOLDER
36	1-09630-082-0	12	GASKET; RETURN PIPE,NOZZLE HOLDER ALSO INCLUDED IN GASKET SET(ENGINE)
43 (A)	1-15342-002-0	6	SEAT; NOZZLE SPRING,NOZZLE HOLDER
43 (B)	1-15342-003-0	6	SEAT; NOZZLE SPRING,NOZZLE HOLDER
44	1-15343-005-0	6	SPRING; NOZZLE,NOZZLE HOLDER
45	1-15349-129-0	6	ROD; PUSH,NOZZLE HOLDER
47	1-15349-157-0	6	SPACER; NOZZLE SPRING,NOZZLE HOLDER
138	1-15343-006-0	6	SPRING; NOZZLE LWR,NOZZLE HOLDER
140 (A)	1-15349-112-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.40
140 (A)	1-15349-113-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.50
140 (A)	1-15349-114-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.52

KEY No.	Part no.	qty	Part description
140 (A)	1-15349-115-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.54
140 (A)	1-15349-116-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.56
140 (A)	1-15349-117-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.58
140 (A)	1-15349-118-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.60
140 (A)	1-15349-119-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.70
140 (B)	1-15349-120-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.40
140 (B)	1-15349-121-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.50
140 (B)	1-15349-122-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.52
140 (B)	1-15349-123-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.54
140 (B)	1-15349-124-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.56
140 (B)	1-15349-125-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.58
140 (B)	1-15349-126-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.60
140 (B)	1-15349-127-0	1	SHIM; NOZZLE SPRING,NOZZLE HOLDER T=0.70
272	1-15319-036-0	6	NOZZLE KIT; INJ

(No.2)

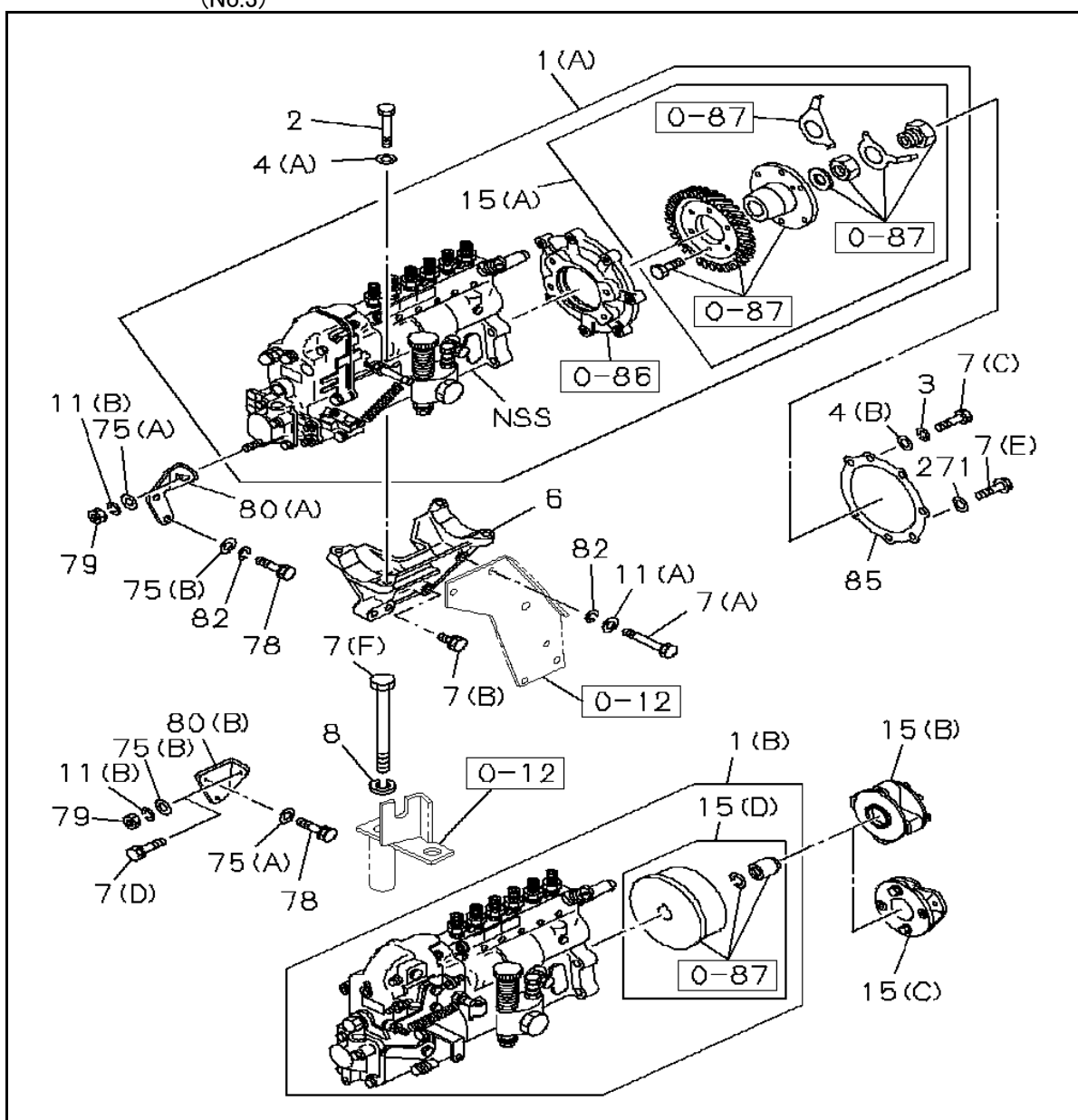


KEY No.	Part no.	qty	Part description
16 (B)	1-15415-847-1	1	PIPE; INJ NO.1
17 (B)	1-15415-848-1	1	PIPE; INJ NO.2
18 (B)	1-15415-849-1	1	PIPE; INJ NO.3
19 (B)	1-15415-850-1	1	PIPE; INJ NO.4
20 (B)	1-15415-851-2	1	PIPE; INJ NO.5
21 (B)	1-15415-852-2	1	PIPE; INJ NO.6
54	9-15339-051-0	6	COVER; DUST,NOZZLE HOLDER
60	0-91510-508-0	12	WASHER; NOZZLE HOLDER ID=8.2
62	0-91110-508-0	12	NUT; NOZZLE HOLDER M8
66	5-15315-003-0	6	GASKET; INJ NOZZLE ID=9.2 OD=19.0 T=7.3 ALSO INCLUDED IN GASKET SET(ENGINE)
98	9-15419-613-0	6	CLIP; INJ PIPE
99	9-09802-539-0 <8-94428-007-0>	6	BOLT; CLIP,INJ PIPE M5X20
114	9-15419-612-0 <5-15419-013-1>	6	CLIP; INJ PIPE

KEY No.	Part no.	qty	Part description
115	9-15419-614-0	6	CLIP; "B",INJ PIPE
121 (A)	8-94148-390-0	2	PIPE; FUEL,FEED PUMP,SUCTION
121 (B)	5-15411-223-1	1	PIPE; FUEL,FEED PUMP,SUCTION
133	1-15412-471-1	1	PIPE; INJ NOZZLE LEAK OFF
134	1-09675-037-1	1	BOLT; JOINT,LEAK OFF PIPE M8X18 FLANGE
135	1-09630-082-0	2	GASKET; JOINT BOLT,LEAK OFF PIPE ID=8.2 OD=13.2 ALSO INCLUDED IN GASKET SET(ENGINE)

0-40 FUEL INJECTION SYSTEM

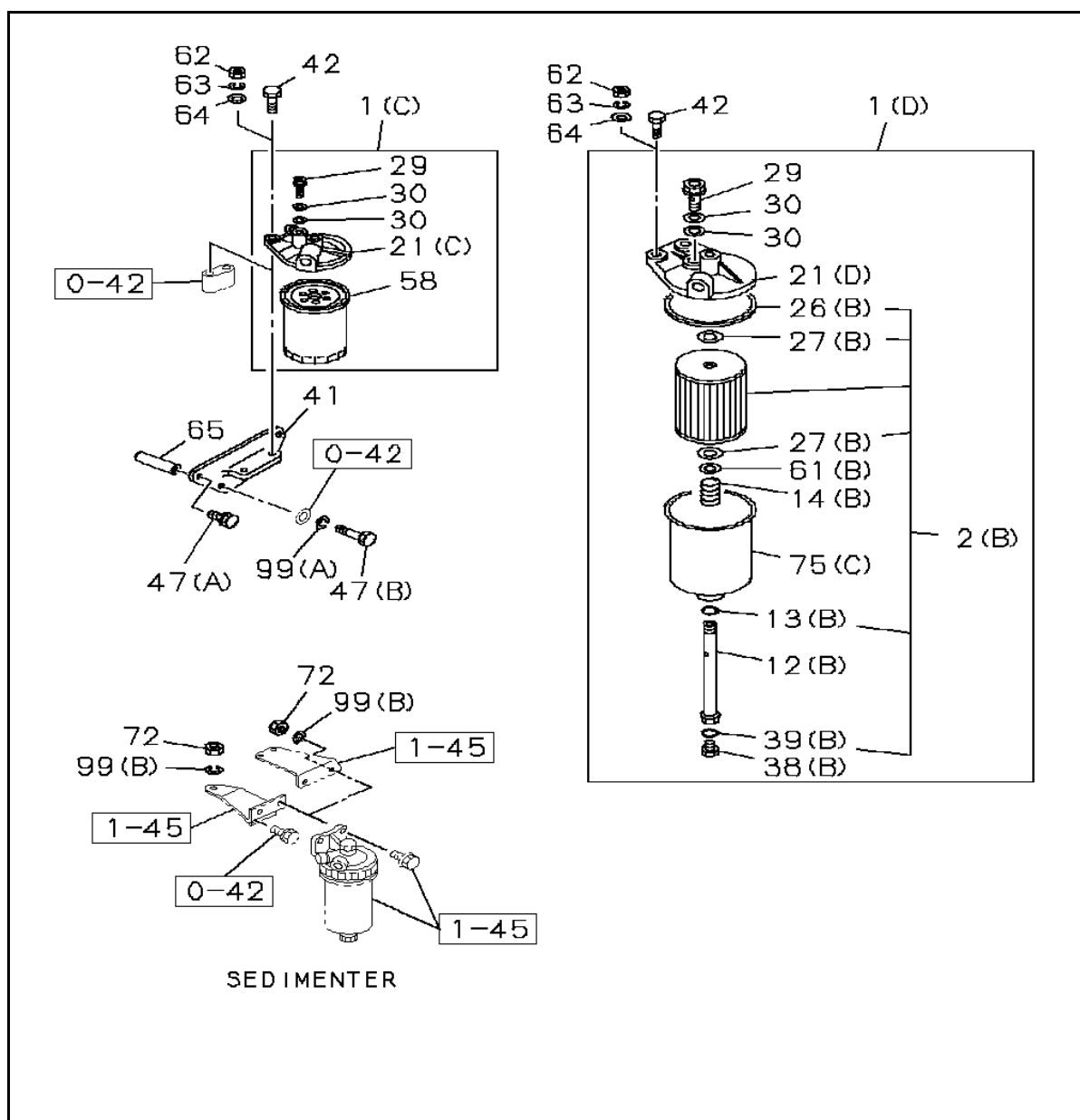
(No.3)



KEY No.	Part no.	qty	Part description
1 (A)	1-15603-509-0	1	PUMP ASM; INJ SEE FIG-NO 0-80 - 0-85 FOR COMPONENT.
7 (C)	0-10810-860-0 <0-10855-860-0>	7	BOLT; INJ PUMP BRKT M8X60
7 (C)	0-50540-860-0	7	BOLT; INJ PUMP BRKT M8X60 W/LK WASHER
7 (D)	0-50041-025-0 <0-50741-025-0>	1	BOLT; INJ PUMP BRKT M10X25 W/LK WASHER
7 (D)	0-50541-025-0 <0-50741-025-0>	1	BOLT; INJ PUMP BRKT M10X25 W/LK WASHER
7 (F)	0-10806-085-0	2	BOLT; INJ PUMP BRKT M10X85
15 (A)	1-15780-199-0	1	COUPLING ASM; INJ PUMP SEE FIG-NO 0-87 FOR COMPONENT.
75 (A)	9-09160-710-0 <0-91610-710-0>	3	WASHER; PL, BRKT TO INJ PUMP ID=10 OD=26
78	0-50541-020-0	2	BOLT; BRKT TO C/BL M10X20 W/LK WASHER

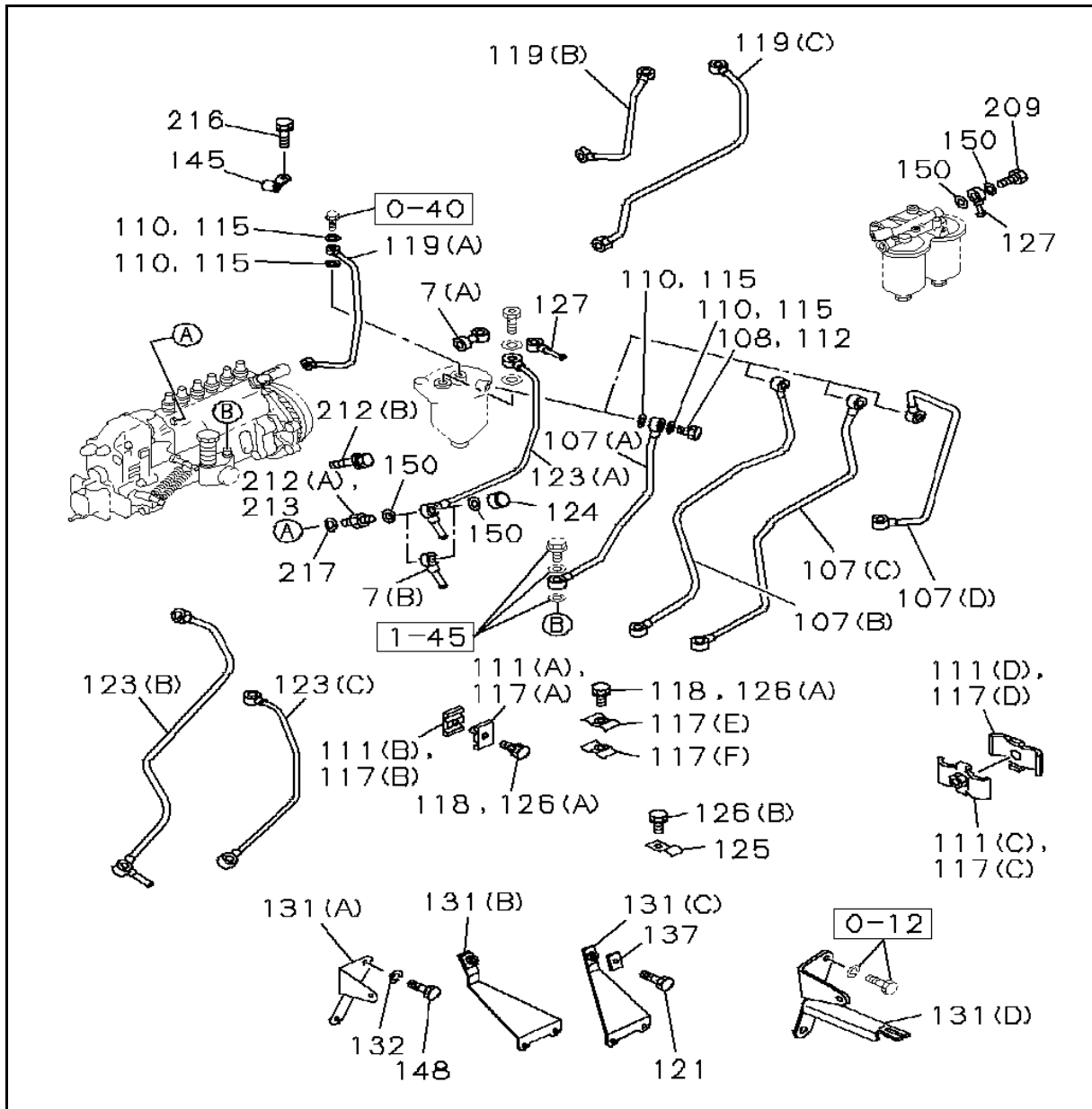
KEY No.	Part no.	qty	Part description
79	0-91110-510-0	1	NUT; BRKT TO INJ PUMP M10
80 (B)	1-19751-175-0	1	BRACKET; PUMP
85	8-94370-675-1	1	GASKET; BRKT,INJ PUMP
271	9-09572-008-0	1	GASKET; INJ PUMP

0-41 FUEL FILTER AND BRACKET



KEY No.	Part no.	qty	Part description
1 (C)	1-13200-701-4	1	FILTER ASM; FUEL
21 (C)	1-13212-087-2	1	COVER; UPR,FUEL FILTER
29	1-13260-047-0	1	VALVE; OVERFLOW
30	1-09630-085-0	2	GASKET; OVERFLOW VLV ID=14.2 OD=19.2
58	8-98036-654-0	1	ELEMENT; FUEL FILTER
62	0-91110-510-0	2	NUT; FUEL FILTER M10
63	9-09150-510-0 <1-09985-345-0>	2	WASHER; LK,FUEL FILTER ID=10.2
63	0-91510-510-0	2	WASHER; LK,FUEL FILTER ID=10.2
64	0-91610-510-0	2	WASHER; PL,FUEL FILTER ID=10.5

0-42 FUEL PUMP AND PIPE

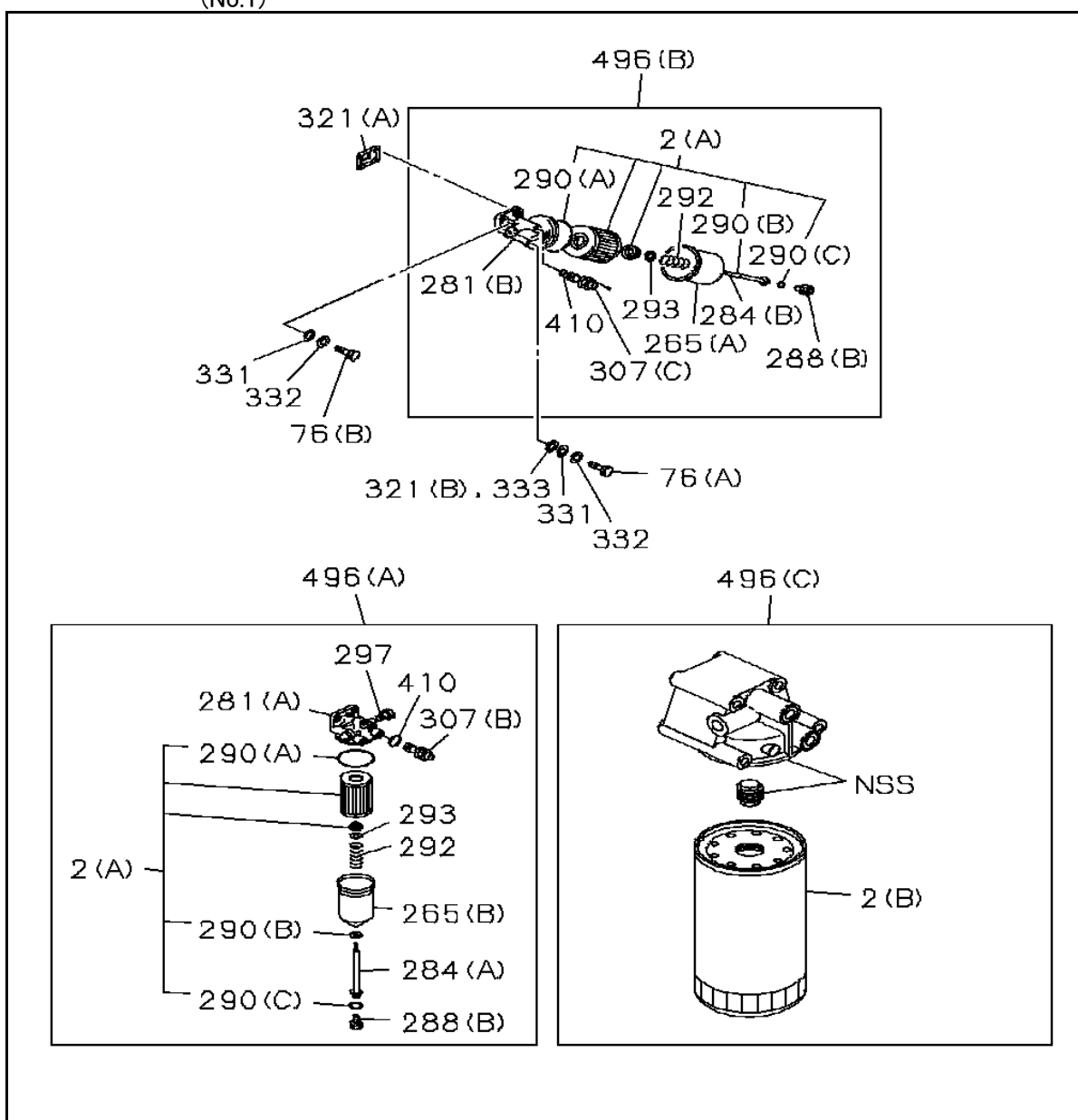


KEY No.	Part no.	qty	Part description
7 (B)	5-15411-223-1	1	PIPE ASM; FUEL OVERFLOW
107 (A)	1-15415-844-0	1	PIPE; FUEL,FEED PUMP TO FUEL FILTER
108	1-09675-086-0	1	BOLT; JOINT,FUEL FILTER M14X27 FLANGE
110	1-09630-085-0	2	GASKET; JOINT BOLT,FUEL PIPE ID=14.2 OD=19.2 ALSO INCLUDED IN GASKET SET(ENGINE)
111 (A)	5-09709-103-0	1	CLIP; FUEL PIPE W/TUBE L=48
111 (B)	5-09709-104-0	1	CLIP; FUEL PIPE WO/TUBE L=45
111 (C)	9-09716-124-0	1	CLIP; FUEL PIPE ID=10&10 L=25
111 (D)	9-09716-114-0	1	CLIP; FUEL PIPE ID=10&10 L=25
112	1-09675-086-0	2	BOLT; JOINT,FUEL FILTER M14X27 FLANGE

KEY No.	Part no.	qty	Part description
115	1-09630-085-0	4	GASKET; JOINT BOLT,FUEL PIPE ID=14.2 OD=19.2 ALSO INCLUDED IN GASKET SET(ENGINE)
117 (A)	5-09709-103-0	1	CLIP; FUEL PIPE
117 (B)	5-09709-104-0	1	CLIP; FUEL PIPE WO/TUBE L=45
117 (E)	1-09700-163-0	2	CLIP; FUEL PIPE WO/NUT ID=10&10
117 (F)	1-09700-164-0	2	CLIP; FUEL PIPE W/NUT ID=10&10
118	0-50540-630-0	1	BOLT; CLIP,FUEL PIPE M6X30 W/LK WASHER
119 (A)	1-15415-845-0	1	PIPE; FUEL,FUEL FILTER TO INJ PUMP
119 (C)	1-15414-956-0	1	PIPE; FUEL,FUEL FILTER TO INJ PUMP
123 (A)	1-15415-846-0	1	PIPE; FUEL,FUEL FILTER LEAK OFF
124	1-09468-002-1	1	NUT; CAP,FUEL PIPE
131 (A)	5-15419-001-0	1	BRACKET; FUEL PIPE CLIP
145	9-09524-555-0	1	CLIP; FUEL PIPE ID=6
148	0-28651-020-0	2	BOLT; BRKT
150	1-09630-085-0	6	GASKET; FUEL PIPE ID=14.2 OD=19.2 ALSO INCLUDED IN GASKET SET(ENGINE)
213	8-97213-668-1	1	ORIFICE; INJ PUMP OVERFLOW
216	0-50540-630-0	1	BOLT; CLIP,FUEL PIPE M6X30 W/LK WASHER
217	1-09630-085-0	2	GASKET; OVERFLOW VLV ID=14.2 OD=19.2

0-50 OIL COOLER AND OIL FILTER

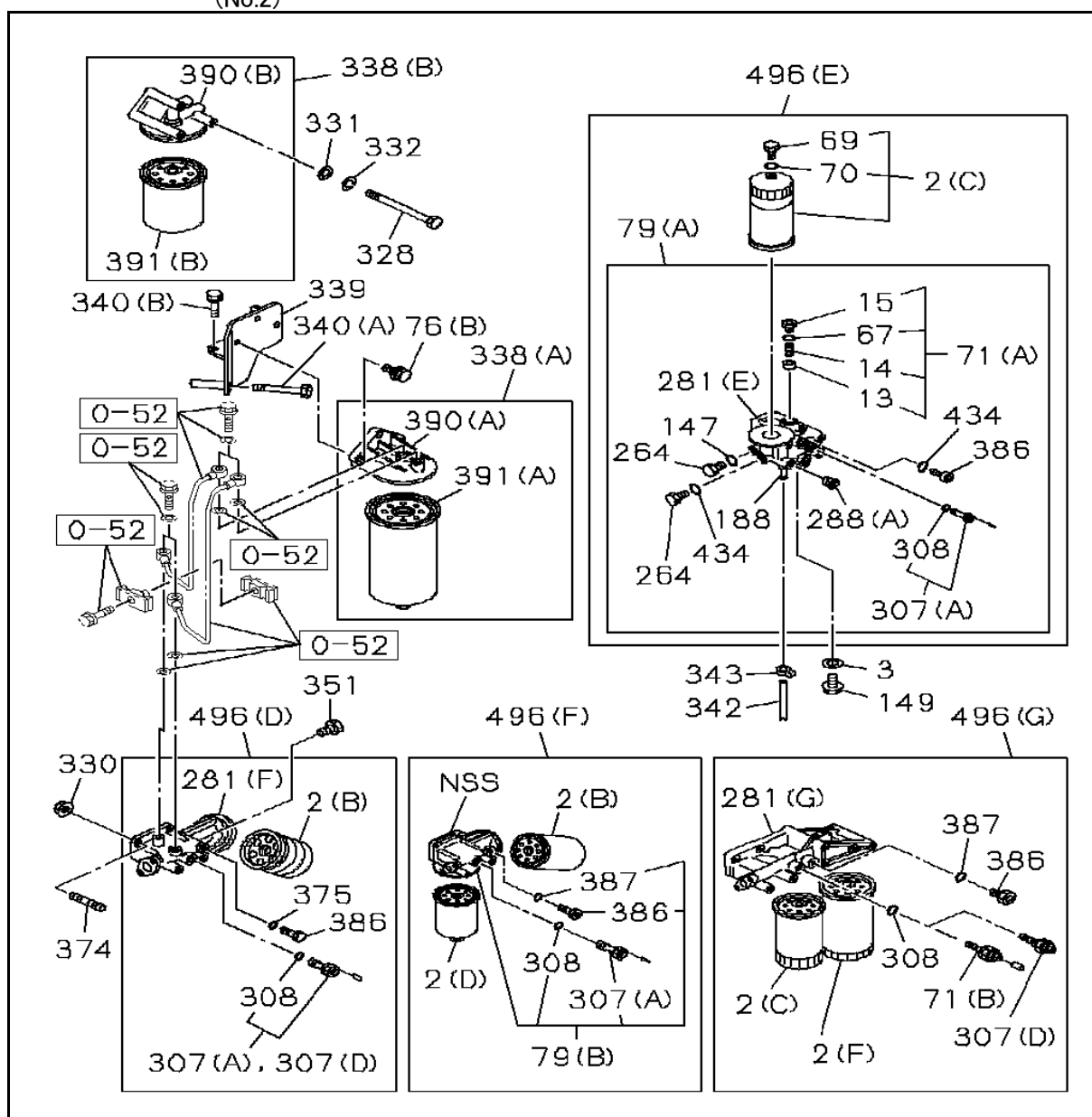
(No.1)



KEY No.	Part no.	qty	Part description
2 (B)	1-13240-232-2	1	ELEMENT; OIL FILTER
76 (A)	9-09800-928-1	2	BOLT; OIL FILTER M10X145
76 (B)	0-28651-035-0	2	BOLT; OIL FILTER M10X35 FLANGE
281 (B)	1-13212-070-0	1	COVER; OIL FILTER
284 (B)	1-13231-047-0	1	BOLT; CENTER,OIL FILTER
307 (C)	5-13260-009-0	1	VALVE; OVERFLOW
321 (A)	8-94370-670-0	1	GASKET; OIL FILTER TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
321 (B)	9-09572-010-0	2	GASKET; OIL FILTER TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
496 (B)	1-13200-390-0	1	FILTER ASM; OIL

0-50 OIL COOLER AND OIL FILTER

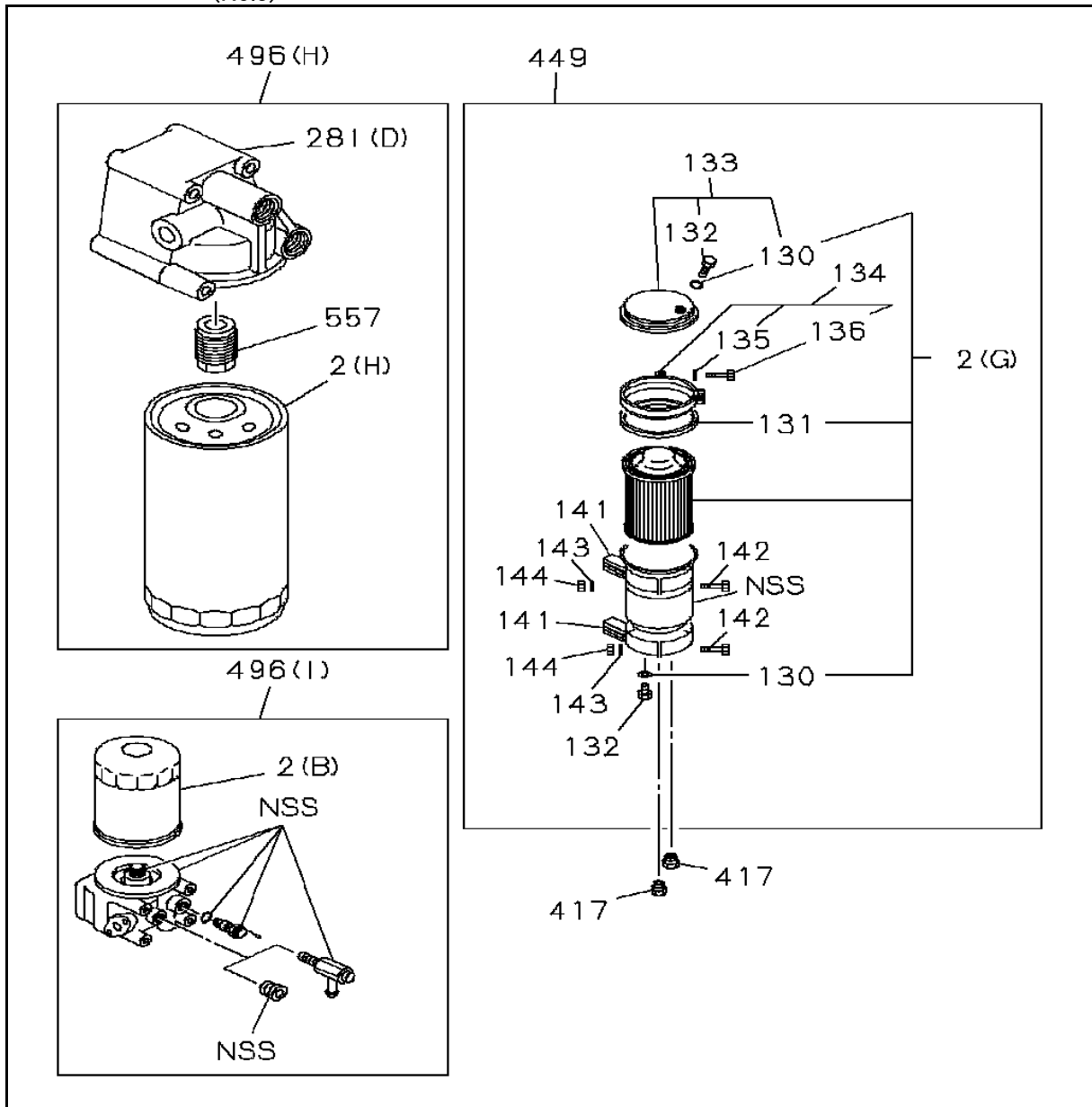
(No.2)



KEY No.	Part no.	qty	Part description
3	1-09630-085-0	2	GASKET
149	8-94152-613-0 <8-94316-800-0>	2	PLUG
281 (F)	1-13210-051-0 <1-13210-051-1>	1	COVER; OIL FILTER
338 (A)	1-13200-818-0	1	FILTER ASM; OIL PARTIAL
340 (B)	0-28681-020-0 <0-28651-020-0>	2	BOLT; BRKT M10X20 FLANGE
351	1-09604-094-0	1	PLUG; OIL FILTER
375	9-09571-418-0	1	GASKET
386	0-92002-418-0	1	PLUG; OIL FILTER
390 (A)	1-13212-089-2	1	BODY; OIL FILTER,PARTIAL
391 (A)	1-13240-158-3 <1-13240-209-0>	1	CARTRIDGE; OIL FILTER,PARTIAL
496 (D)	1-13201-048-2	1	FILTER ASM; OIL

0-50 OIL COOLER AND OIL FILTER

(No.3)

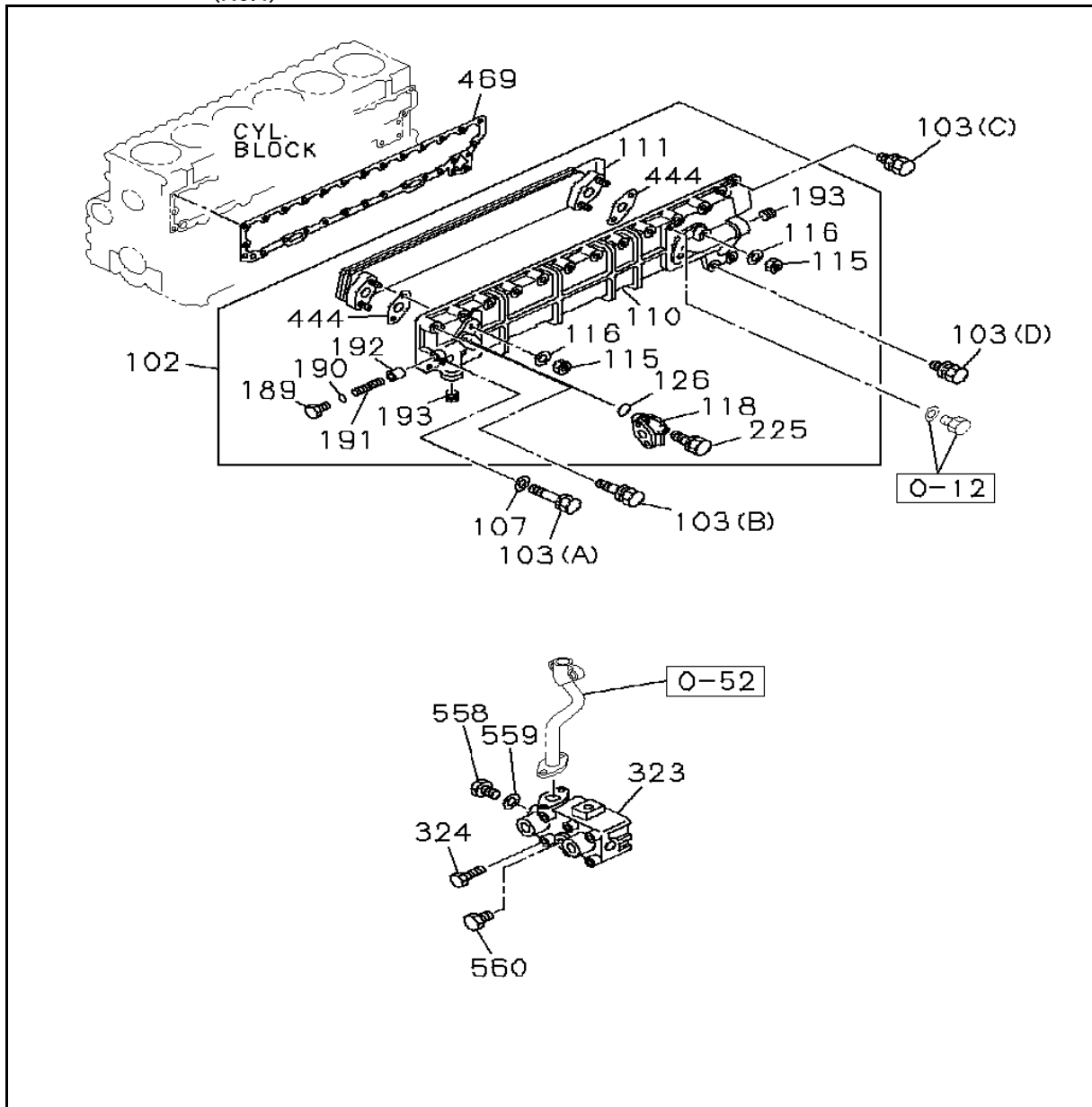


KEY No.	Part no.	qty	Part description
2 (H)	1-13240-229-0 <1-13240-232-2>	1	ELEMENT; OIL FILTER
130	1-09623-055-0	2	GASKET; PARTIAL OIL FILTER ID=9.8
131	1-13213-006-1 <1-13213-006-0>	1	GASKET; PARTIAL OIL FILTER
132	1-09000-105-0	2	PLUG; PARTIAL OIL FILTER M10
133	1-13212-034-0	1	COVER; PARTIAL OIL FILTER
134	1-13219-009-0	1	CLAMP; PARTIAL OIL FILTER
135	9-09164-510-0	1	WASHER; PARTIAL OIL FILTER ID=10
136	1-09029-021-0	1	BOLT; PARTIAL OIL FILTER
141	1-13219-077-0	2	BRACKET; PARTIAL OIL FILTER
142	1-13219-167-0	2	BOLT; PARTIAL OIL FILTER BRKT
143	1-13219-168-0	2	WASHER; PARTIAL OIL FILTER BRKT
144	1-13219-170-0	2	NUT; PARTIAL OIL FILTER BRKT
281 (D)	8-97222-123-0	1	COVER; OIL FILTER
417	1-09650-202-0	1	CONNECTOR; OIL FILTER

KEY No.	Part no.	qty	Part description
449	1-13200-333-2 <1-13200-371-3>	1	FILTER ASM; OIL PARTIAL
496 (H)	1-13201-001-0 <8-97324-386-1>	1	FILTER ASM; OIL

0-50 OIL COOLER AND OIL FILTER

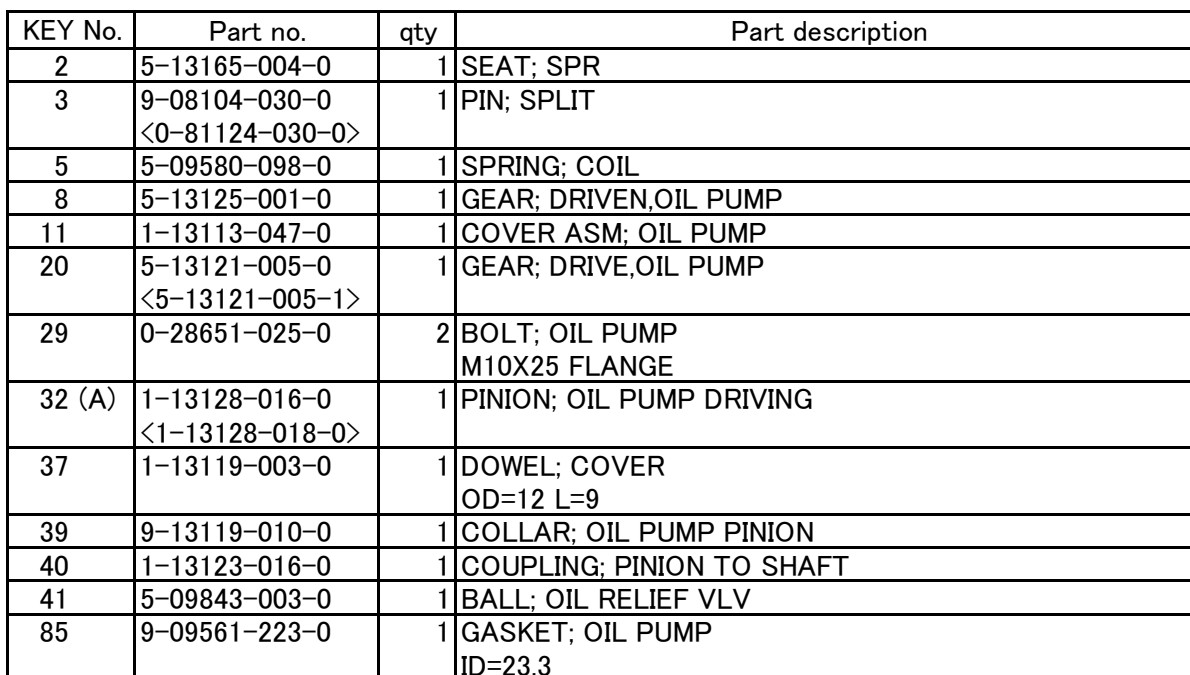
(No.4)



KEY No.	Part no.	qty	Part description
102	1-21700-249-2	1	COOLER ASM; OIL
103 (A)	8-94205-986-1	1	BOLT; OIL COOLER M8X65 W/LK WASHER
103 (B)	0-50140-845-0 <0-50740-845-0>	12	BOLT; OIL COOLER M8X45 W/LK&PL WASHER
103 (B)	0-50640-845-0	12	BOLT; OIL COOLER M8X45 W/LK&PL WASHER
103 (C)	0-50140-828-0	15	BOLT; OIL COOLER M8X28 W/LK&PL WASHER
103 (D)	1-09030-091-0	2	BOLT; OIL COOLER M8X20 W/PL WASHER
107	0-91610-508-0	1	WASHER; PL,OIL COOLER ID=8.4
110	1-11281-028-1	1	BODY; OIL COOLER
111	1-11282-018-0	1	CORE; OIL COOLER
115	0-91111-510-0	4	NUT; ELEMENT M10
116	9-09164-510-0	4	WASHER; PL,ELEMENT ID=10

KEY No.	Part no.	qty	Part description
189	9-13263-010-0	1	PLUG; BYPASS VLV
190	9-09562-215-0 <9-09921-193-0>	1	GASKET; PLUG,BYPASS VLV
191	5-09580-092-0	1	SPRING; BYPASS VLV
192	5-11288-001-0	1	VALVE; BYPASS
193	5-09605-017-0	1	PLUG; TAPER
444	1-11282-029-0	2	GASKET; ELEMENT TO BODY
469	1-11282-028-2	1	GASKET; OIL COOLER TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)

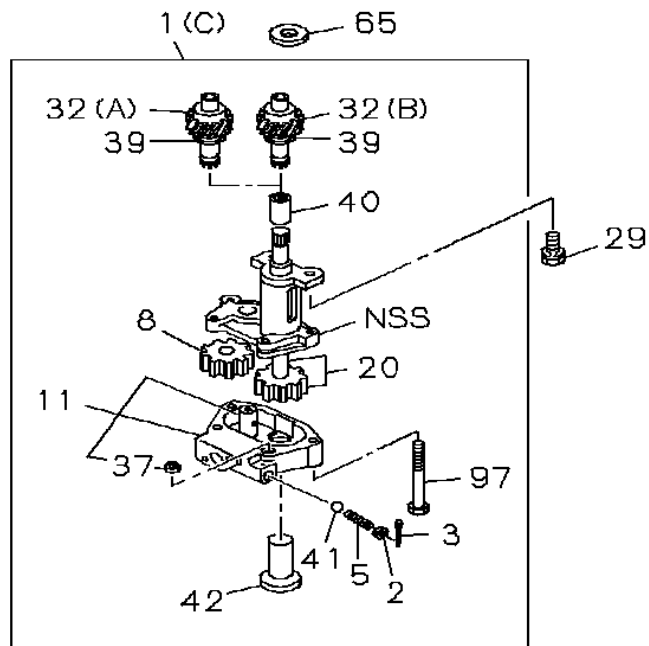
(No.1)



KEY No.	Part no.	qty	Part description
93 (A)	5-13119-002-0	1	PIPE; SUCTION
93 (C)	1-13119-002-0	1	PIPE; SUCTION
94	1-13141-021-0	1	CASE; TOP,OIL STRAINER
95	5-13141-002-0 <5-13141-018-0>	1	CASE; BOTTOM,OIL STRAINER
97	1-09044-047-0	4	BOLT; CASE M8X60
98	9-09150-508-0 <0-91510-508-0>	4	WASHER; LK,CASE ID=8.2

0-51 OIL PUMP AND OIL STRAINER

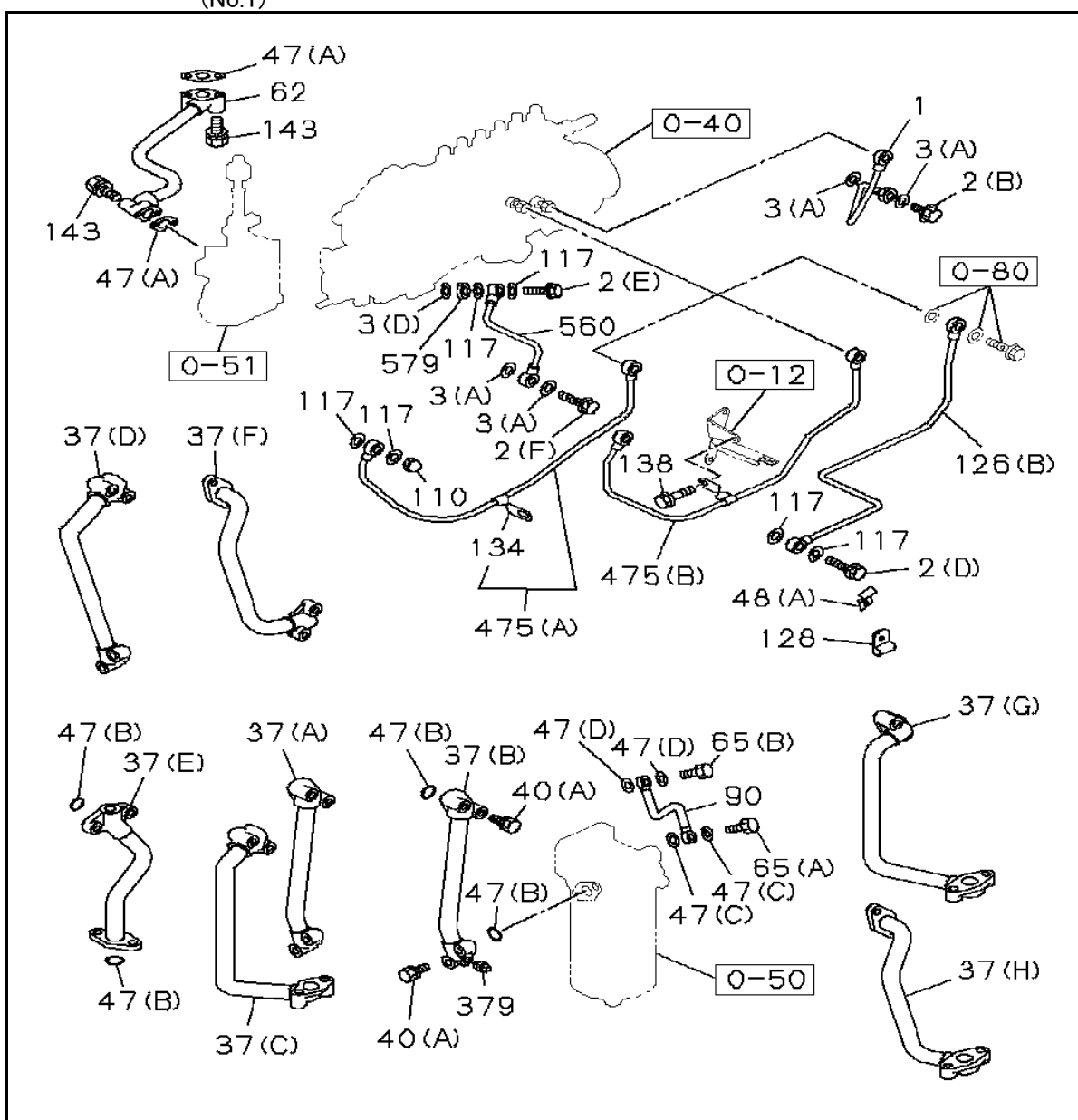
(No.2)



KEY No.	Part no.	qty	Part description
1 (C)	1-13100-233-0	1	PUMP ASM; OIL
32 (B)	1-13128-018-0	1	PINION; OIL PUMP DRIVING
42	1-13140-086-0	1	STRAINER; OIL,OIL PUMP

0-52 OIL AND VACUUM PIPING; ENGINE

(No.1)

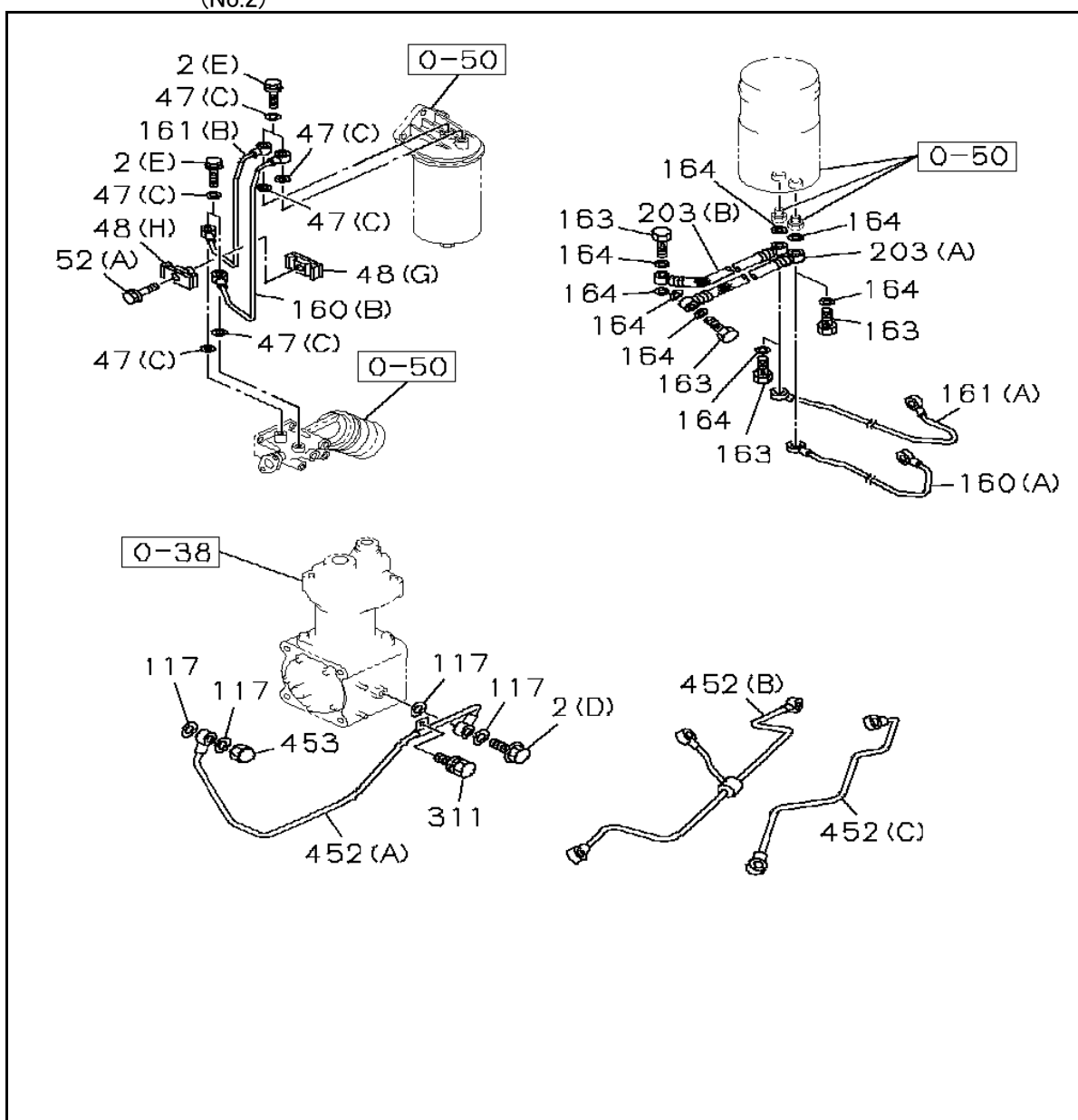


KEY No.	Part no.	qty	Part description
2 (B)	1-09675-081-0	1	BOLT; EYE,OIL PIPE M12X24
3 (A)	1-09630-084-0	2	GASKET; EYE BOLT,OIL PIPE ID=12.2 ALSO INCLUDED IN GASKET SET(ENGINE)
3 (D)	1-09630-085-0	1	GASKET; EYE BOLT,OIL PIPE ID=14.2 OD=19.2 ALSO INCLUDED IN GASKET SET(ENGINE)
37 (A)	5-13311-119-0	1	PIPE; OIL,FILTER TO COOLER
37 (B)	5-13311-193-1	1	PIPE; OIL,FILTER TO COOLER
37 (G)	1-13313-604-1	1	PIPE; OIL,FILTER TO COOLER
40 (A)	0-28650-840-0	4	BOLT; OIL PIPE M8X40 FLANGE
47 (A)	9-09921-188-0	2	GASKET; OIL PIPE ID=18 ALSO INCLUDED IN GASKET SET(ENGINE)
47 (B)	1-09623-462-0	2	GASKET; OIL PIPE ID=22.8 ALSO INCLUDED IN GASKET SET(ENGINE)

KEY No.	Part no.	qty	Part description
62	1-13311-532-2	1	PIPE; OIL,PUMP TO C/BL
110	9-09844-022-0	1	NUT; CAP OIL PIPE M10
117	1-09630-083-0	2	GASKET; JOINT,OIL PIPE ID=10.2 ALSO INCLUDED IN GASKET SET(ENGINE)
134	9-09917-105-1	1	CLIP; PIPE,INJ PUMP
138	0-28050-816-0	1	BOLT; CLIP FIX M8X16 FLANGE
143	0-50540-840-0	4	BOLT; OIL PIPE,OIL PUMP TO C/BL M8X40 W/LK WASHER
379	9-99204-513-0	1	PLUG; CONNECTOR PT1/4
475 (A)	5-13311-205-0	1	PIPE; OIL,OIL FILTER TO INJ PUMP
475 (B)	1-13313-603-0	1	PIPE; OIL,OIL FILTER TO INJ PUMP
579	1-13314-062-0	1	ADAPTER; OIL,GOV RETURN

0-52 OIL AND VACUUM PIPING; ENGINE

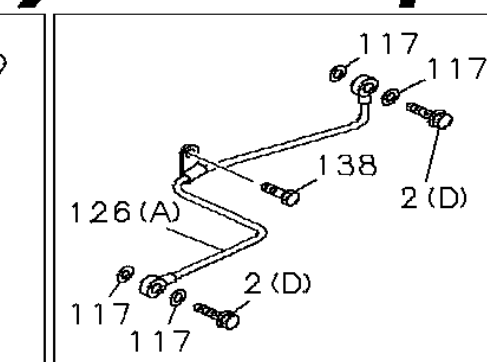
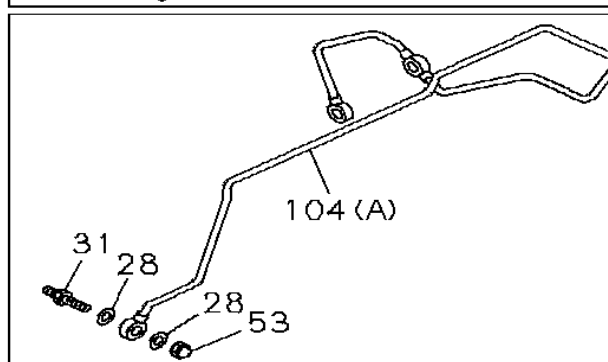
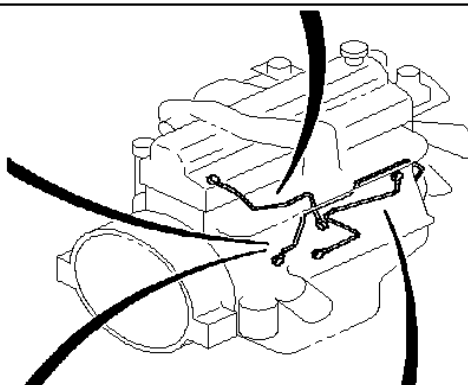
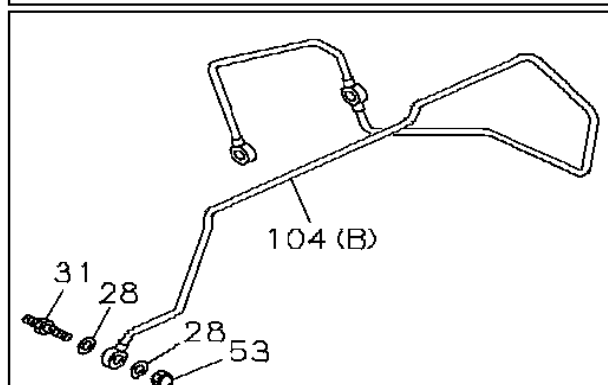
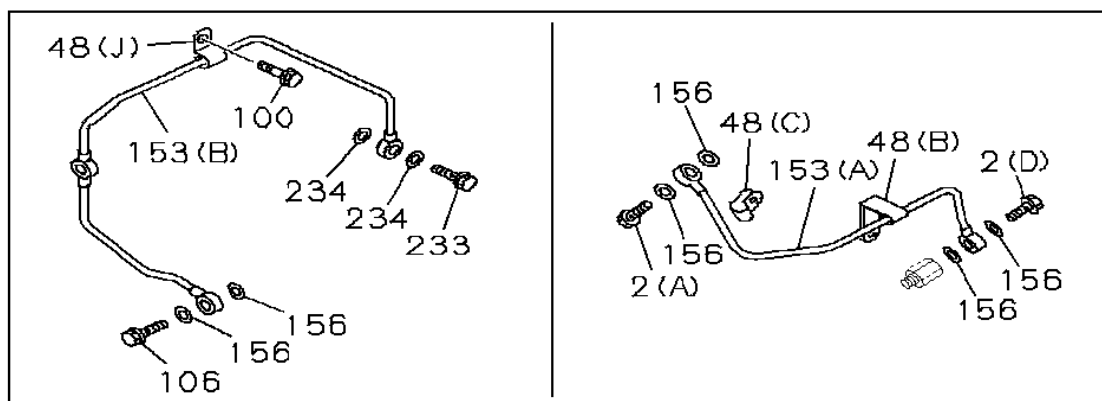
(No.2)



KEY No.	Part no.	qty	Part description
160 (B)	1-13313-867-0	1	PIPE; OIL,PARTIAL FILTER FEED
161 (B)	1-13313-868-0	1	PIPE; OIL,PARTIAL FILTER RETURN
203 (A)	1-09364-520-0	1	HOSE; FLEX,PARTIAL FILTER,RETURN
203 (B)	1-09364-521-0	1	HOSE; FLEX,PARTIAL FILTER,RETURN
452 (C)	5-13311-015-2	1	PIPE; OIL,OIL FILTER TO AIR CMPR

0-52 OIL AND VACUUM PIPING; ENGINE

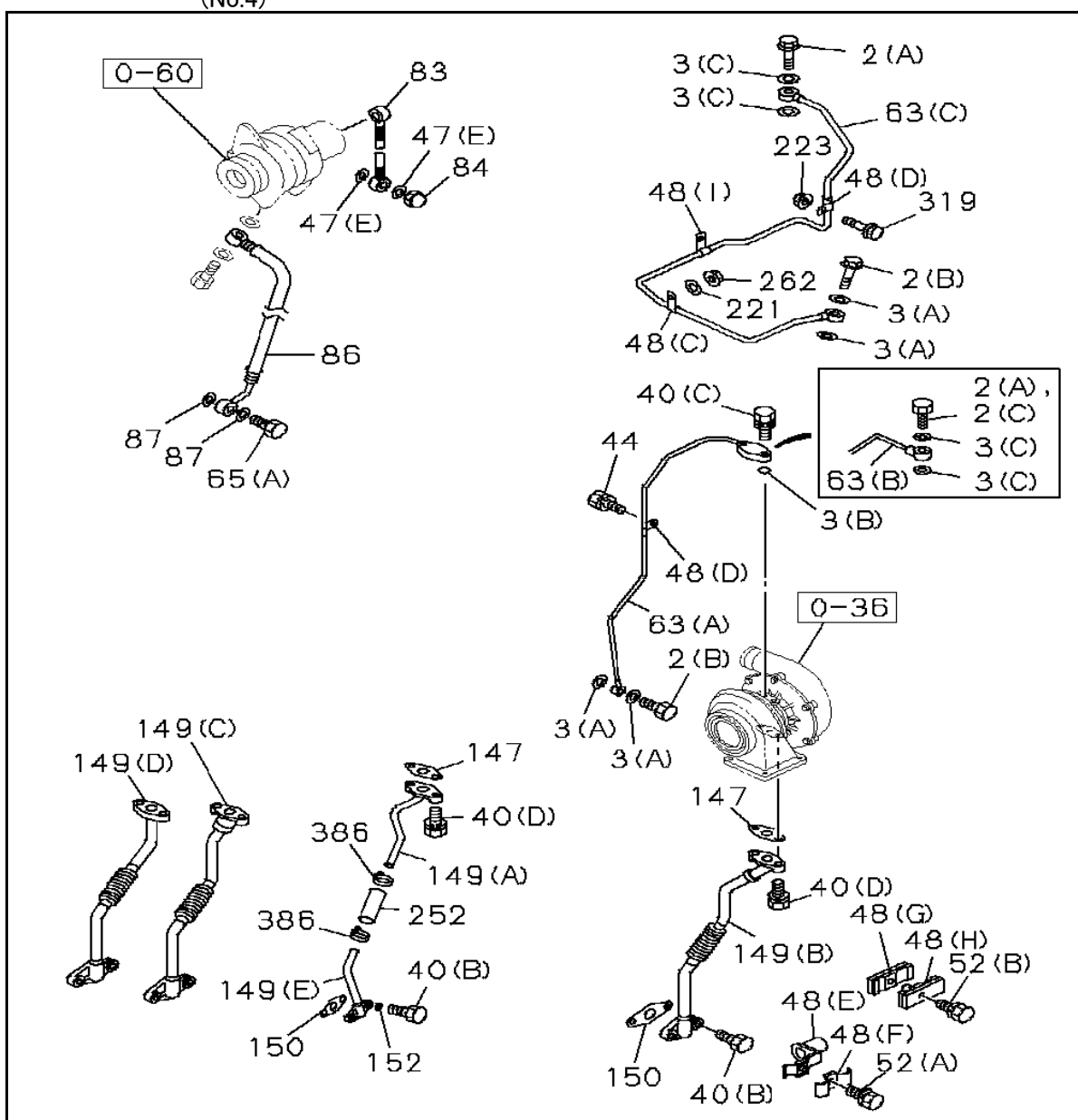
(No.3)



KEY No.	Part no.	qty	Part description
28	9-09572-010-0	2	GASKET; OIL PIPE ID=10.2 OD=19 ALSO INCLUDED IN GASKET SET(ENGINE)
31	5-09654-013-0 <5-09660-033-0>	1	NIPPLE; OIL PIPE
53	9-09844-022-0	1	NUT; OIL PIPE
104 (A)	1-13313-998-0	1	PIPE ASM; OIL,COOLER TO BODY
104 (B)	1-13314-013-0	1	PIPE ASM; OIL,COOLER TO BODY
106	8-94151-792-1	1	BOLT; OIL PIPE,COOLER TO BODY
153 (B)	1-13313-888-0	1	PIPE; OIL,C/BL TO PTO
233	5-09675-032-1	2	BOLT; EYE
234	1-09630-082-0	4	GASKET; EYE BOLT

0-52 OIL AND VACUUM PIPING; ENGINE

(No.4)

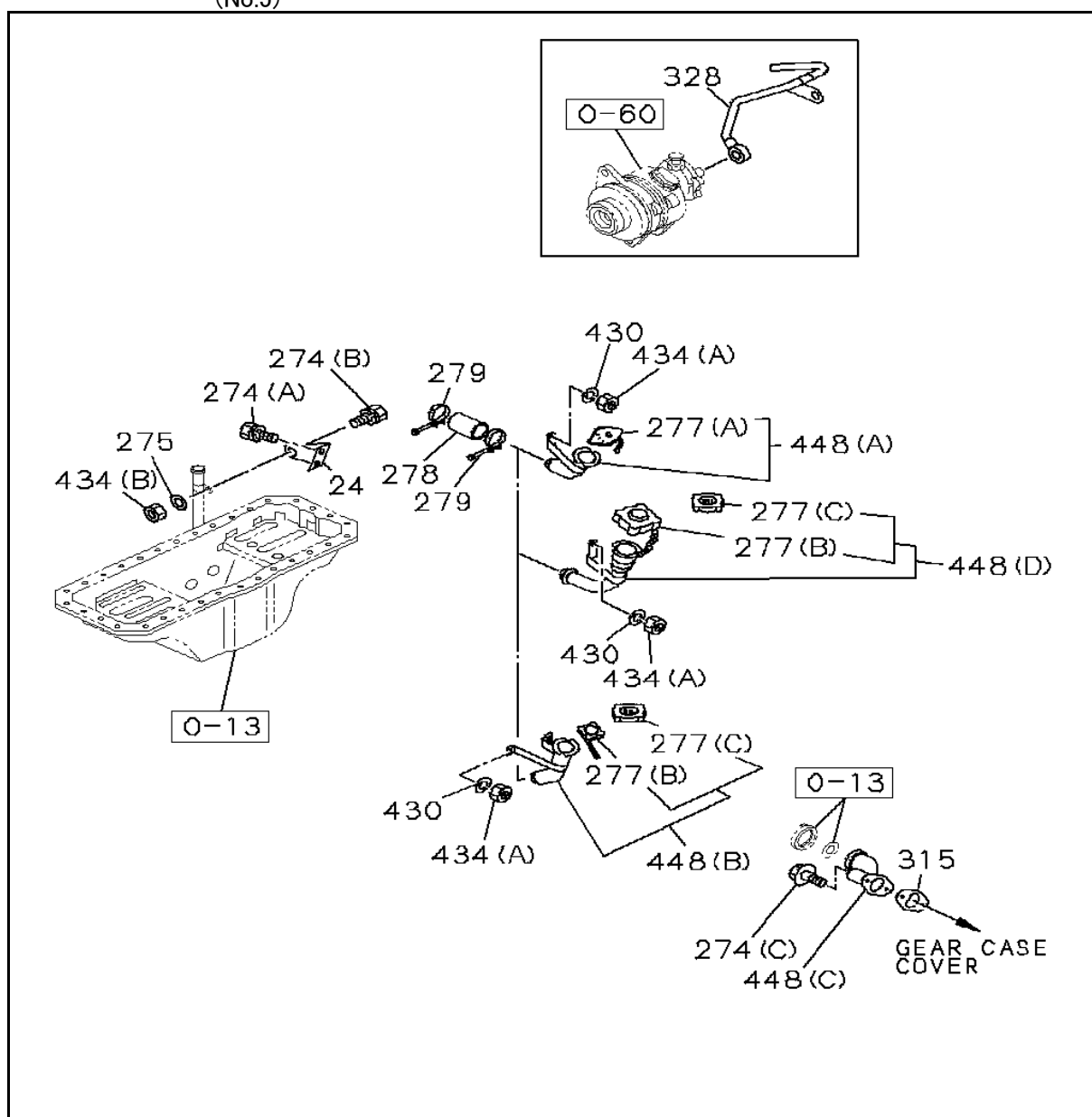


KEY No.	Part no.	qty	Part description
2 (C)	8-94107-713-2 <8-94470-771-0>	1	BOLT; EYE,OIL PIPE M10X26
3 (C)	9-09571-410-0	2	GASKET; EYE BOLT,OIL PIPE ID=10.2 OD=16.0 ALSO INCLUDED IN GASKET SET(ENGINE)
40 (B)	0-28050-850-0	2	BOLT; OIL PIPE M8X50 FLANGE
40 (D)	0-28751-025-0	2	BOLT; OIL PIPE M10X25 FLANGE
44	0-28050-812-0	1	BOLT; CLIP,OIL PIPE M8X12 FLANGE
47 (E)	9-09571-410-0	2	GASKET; OIL PIPE ID=10.2 OD=16.0 ALSO INCLUDED IN GASKET SET(ENGINE)
48 (D)	5-09704-054-1	1	CLIP; OIL PIPE
63 (B)	1-13313-599-0	1	PIPE; OIL,TURBOCHARGER FEED
83	1-13311-844-0	1	PIPE; OIL,C/BL TO VAC PUMP
84	9-09844-022-0	1	NUT; CAP,OIL PIPE M10

KEY No.	Part no.	qty	Part description
86	1-13311-845-0	1	PIPE; OIL,VAC PUMP RETURN
87	9-09571-414-0	2	GASKET; JOINT BOLT ID=14.2 OD=20.0
147	1-09637-058-2	1	GASKET; OIL PIPE TO TURBOCHARGER ALSO INCLUDED IN GASKET SET(ENGINE)
149 (A)	1-13311-548-0	1	PIPE; OIL RETURN,TURBOCHARGER
149 (B)	1-13313-611-0	1	PIPE; OIL RETURN,TURBOCHARGER
149 (E)	5-13311-122-0 <5-13311-122-1>	1	PIPE; OIL RETURN,TURBOCHARGER
150	1-09637-060-1	1	GASKET; OIL PIPE TO C/BL ALSO INCLUDED IN GASKET SET(ENGINE)
152	9-09150-508-0 <0-91510-508-0>	2	WASHER; LK,OIL PIPE,TURBOCHARGER
252	1-09360-434-0	1	HOSE; RUBBER,TURBOCHARGER RETURN
386	1-09707-091-0 <8-94342-958-0>	2	CLIP; HOSE,OIL PIPE,TURBOCHARGER ID=26

0-52 OIL AND VACUUM PIPING; ENGINE

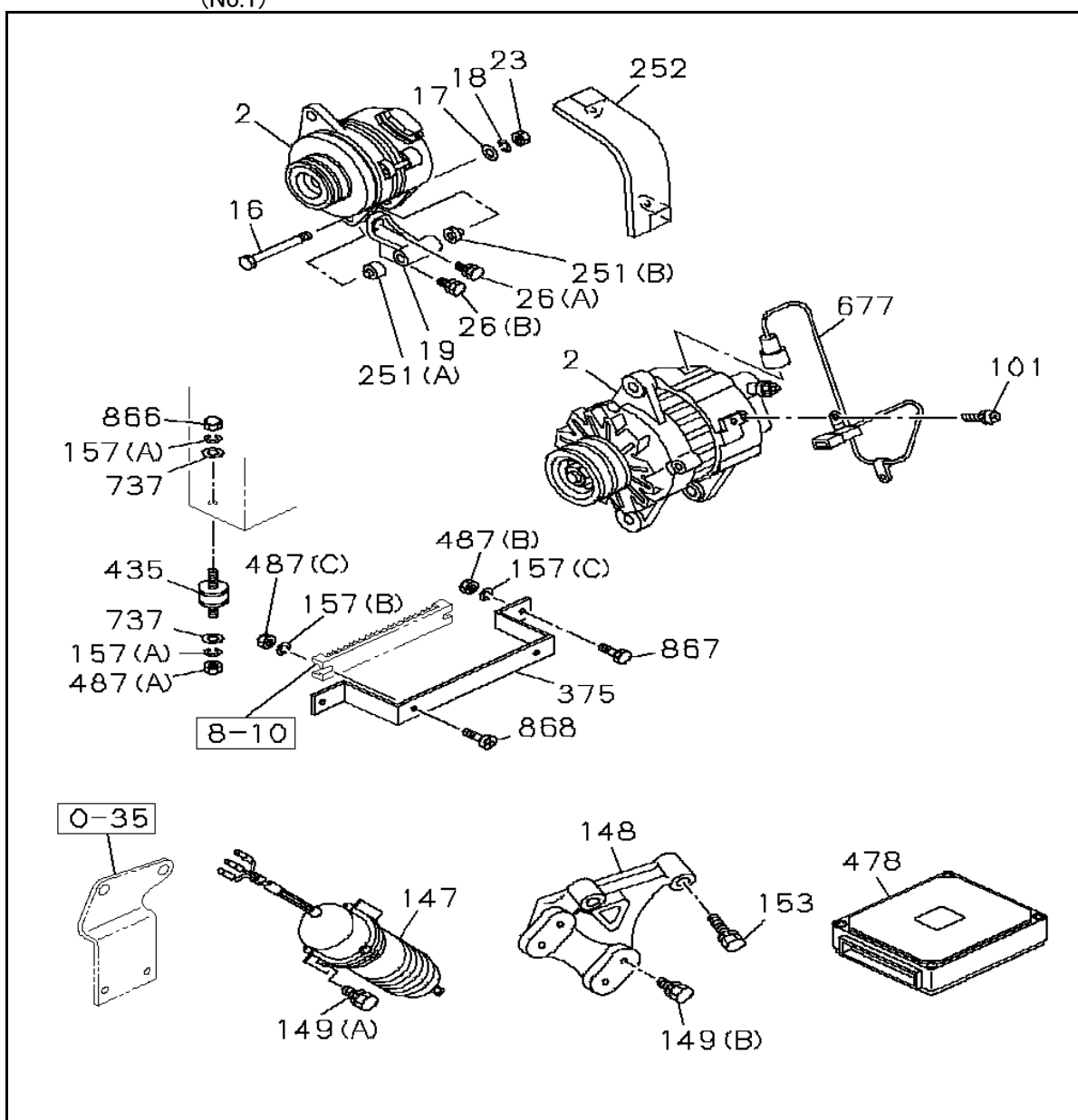
(No.5)



KEY No.	Part no.	qty	Part description
277 (A)	1-11750-012-0	1	CAP; OIL FILLER
277 (C)	1-11750-020-0 <1-11750-024-1>	1	CAP; OIL FILLER
278	9-09912-976-1	1	HOSE; RUBBER,OIL FILLER
279	9-09915-553-1 <9-09915-512-1>	2	CLIP; RUBBER HOSE
315	8-97027-601-1 <8-97118-698-1>	1	GASKET; OIL FILLER
328	1-47441-424-1	1	PIPE; VAC,GEN
430	0-91510-508-0	2	WASHER; LK,BRKT,OIL FILLER ID=8.2
434 (A)	0-91110-508-0	2	NUT; OIL FILLER
448 (A)	5-11740-110-2 <1-11740-203-1>	1	FILLER; OIL
448 (B)	1-11740-174-2 <1-11740-204-1>	1	FILLER; OIL
448 (C)	8-97095-853-0	1	FILLER; OIL

0-60 ENGINE ELECTRICAL CONTROL PARTS

(No.1)

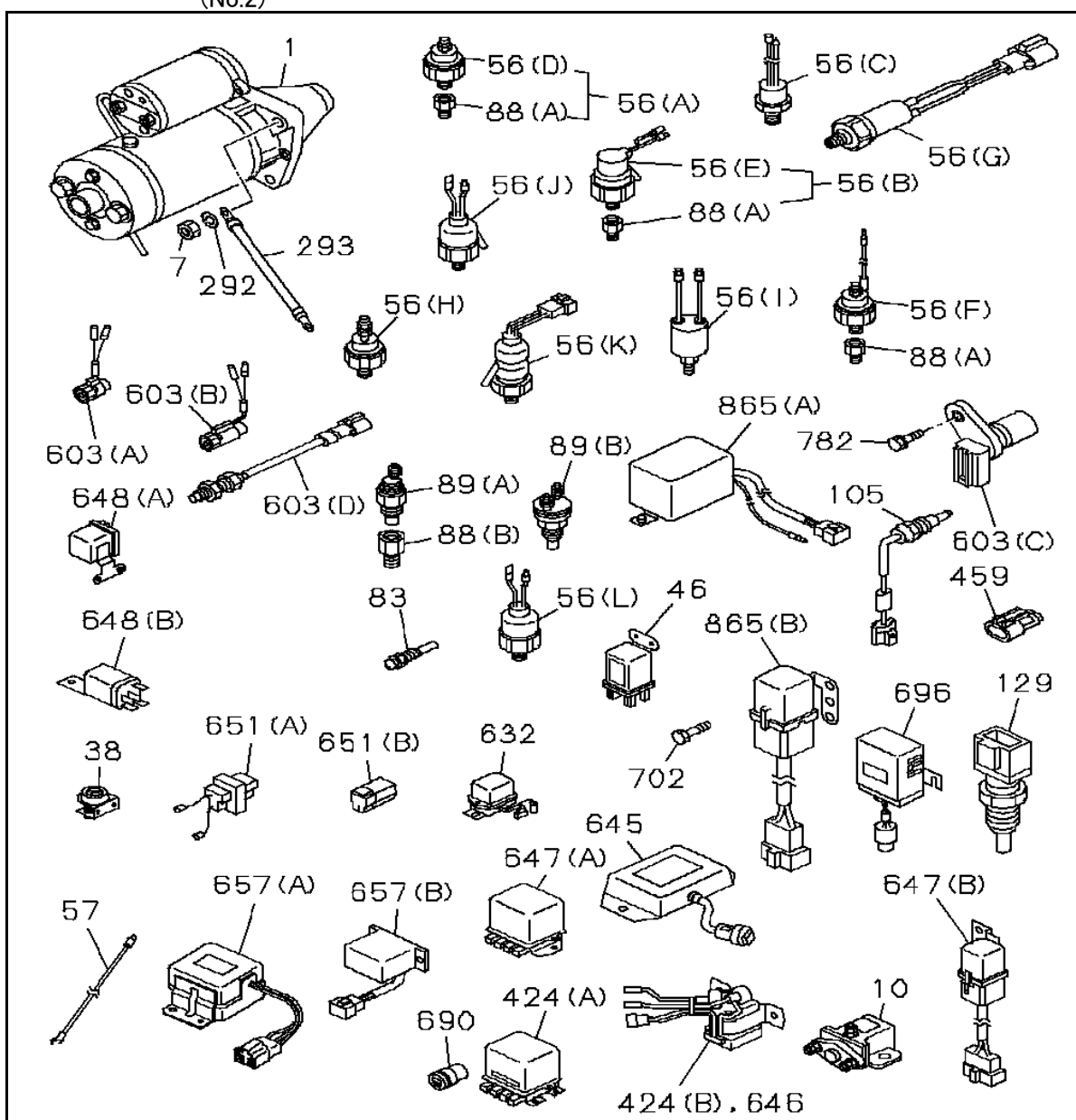


KEY No.	Part no.	qty	Part description
2	1-81200-513-0	1	GENERATOR ASM 24V 30A HITACHI SEE FIG-NO 0-66 FOR COMPONENT.
16	1-09000-133-1	1	BOLT; GEN M14X135
16	1-09000-251-2	1	BOLT; GEN M14X150
17	0-91610-514-0	2	WASHER; PL,GEN
18	0-91510-514-0	1	WASHER; LK,GEN
19	5-19711-031-2 <1-19711-045-0>	1	BRACKET; GEN
23	0-91110-514-0	1	NUT; GEN M14
26 (A)	0-28051-025-0	1	BOLT; GEN BRKT M10X25 FLANGE
26 (B)	0-28651-035-0	2	BOLT; GEN BRKT M10X35 FLANGE
252	1-19719-029-0	1	COVER; GEN
252	8-98157-910-0	1	COVER; GEN

KEY No.	Part no.	qty	Part description
375	5-89263-465-0	1	BRACKET
435	5-26378-001-0	4	RUBBER; CUSHION
487 (C)	9-99110-404-0	2	NUT M4
737	9-09160-506-0	8	WASHER; PL
866	9-09844-619-0	1	NUT; CAP
867	0-20800-818-0	2	BOLT M8X18
868	9-93490-425-0	2	SCREW

0-60 ENGINE ELECTRICAL CONTROL PARTS

(No.2)

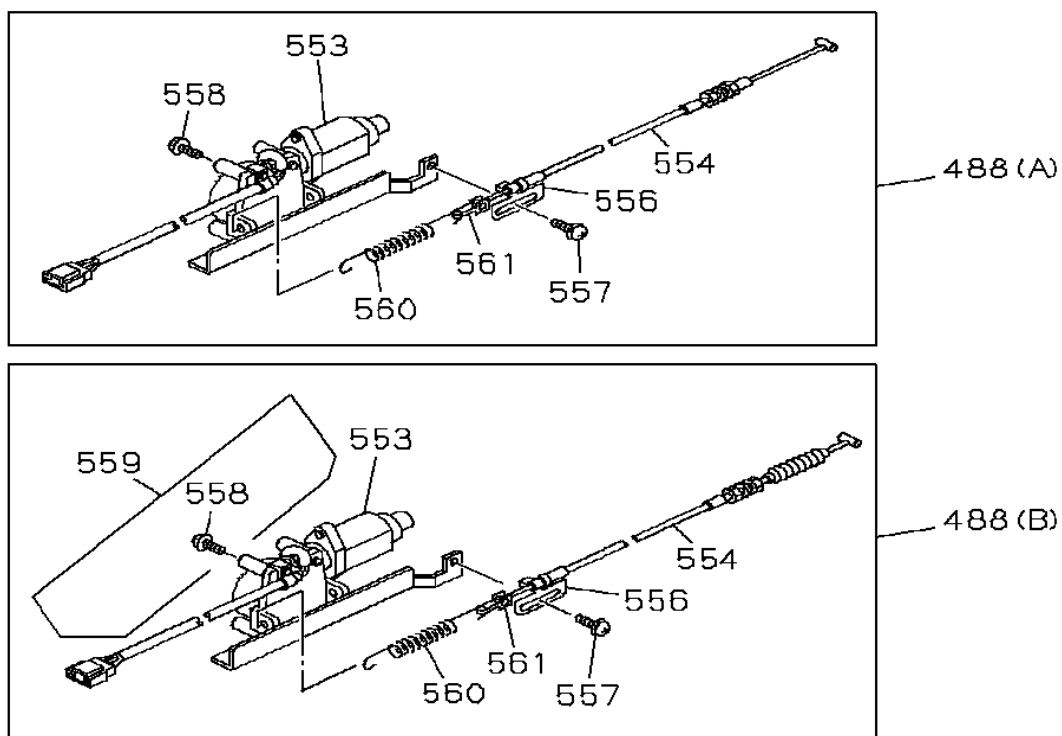


KEY No.	Part no.	qty	Part description
1	1-81100-141-1	1	STARTER ASM 24V 4.5KW DENSO SEE FIG-NO 0-65 FOR COMPONENT.
7	0-91110-512-0	3	NUT; STARTER M12
38	9-82530-043-0 <1-81420-004-0>	1	RESISTOR; CONT,GLOW PLUG
56 (H)	9-82720-069-0	1	SWITCH; OIL PRESSURE
88 (B)	8-97046-583-0	1	ADAPTER; SW
89 (B)	8-97125-601-1	1	SWITCH; OVER HEAT WARNING
129	8-97217-444-1	1	SENSOR; THERMO,WATER
292	0-91510-512-0	3	WASHER; LK,STARTER ID=12.2
603 (C)	8-97240-790-0	1	SENSOR; TACHO
603 (D)	1-81510-513-0	1	SENSOR; TACHO
646	1-82553-039-1	1	RELAY; SAFETY,PULSE
647 (A)	1-82553-010-0	1	RELAY; HOUR METER
647 (B)	8-97114-001-0	1	RELAY; HOUR METER
648 (B)	5-82550-030-0	1	RELAY; ENG STOPPER

KEY No.	Part no.	qty	Part description
690	1-81229-738-0	1	CONNECTOR
865 (A)	1-82553-032-1	1	RELAY; SAFETY
865 (B)	8-97114-000-0	1	RELAY; SAFETY

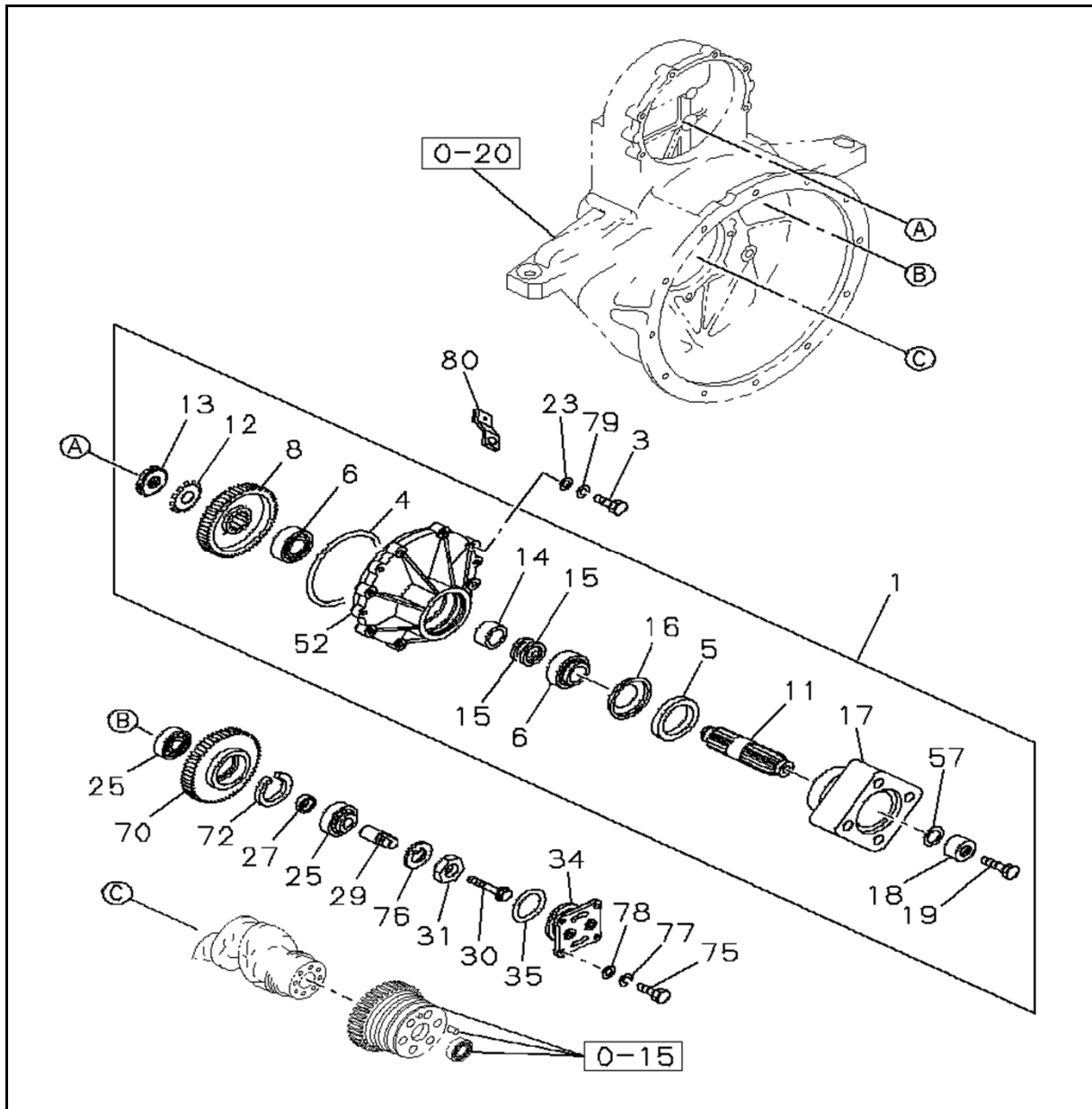
0-60 ENGINE ELECTRICAL CONTROL PARTS

(No.3)



KEY No.	Part no.	qty	Part description
488 (B)	1-81900-137-2	1	STOPPER; ENG
553	1-81909-053-0 <1-81909-117-0>	1	MOTOR ASM; ENG STOP
554	1-81909-098-0	1	CABLE ASM; ENG STOP
556	8-94154-861-0	1	CLAMP; CABLE,ENG STOP
557	9-03910-510-0 <8-97024-319-0>	1	SCREW; CABLE CLAMP
558	9-03910-616-0 <8-94439-870-0>	3	SCREW; BRKT TO MOTOR
559	5-82848-022-0 <8-97049-817-0>	1	COVER; ENG STOP
560	8-94157-920-0	1	SPRING; CABLE,ENG STOP
561	8-94157-919-0	1	HOOK; CABLE TO SPR

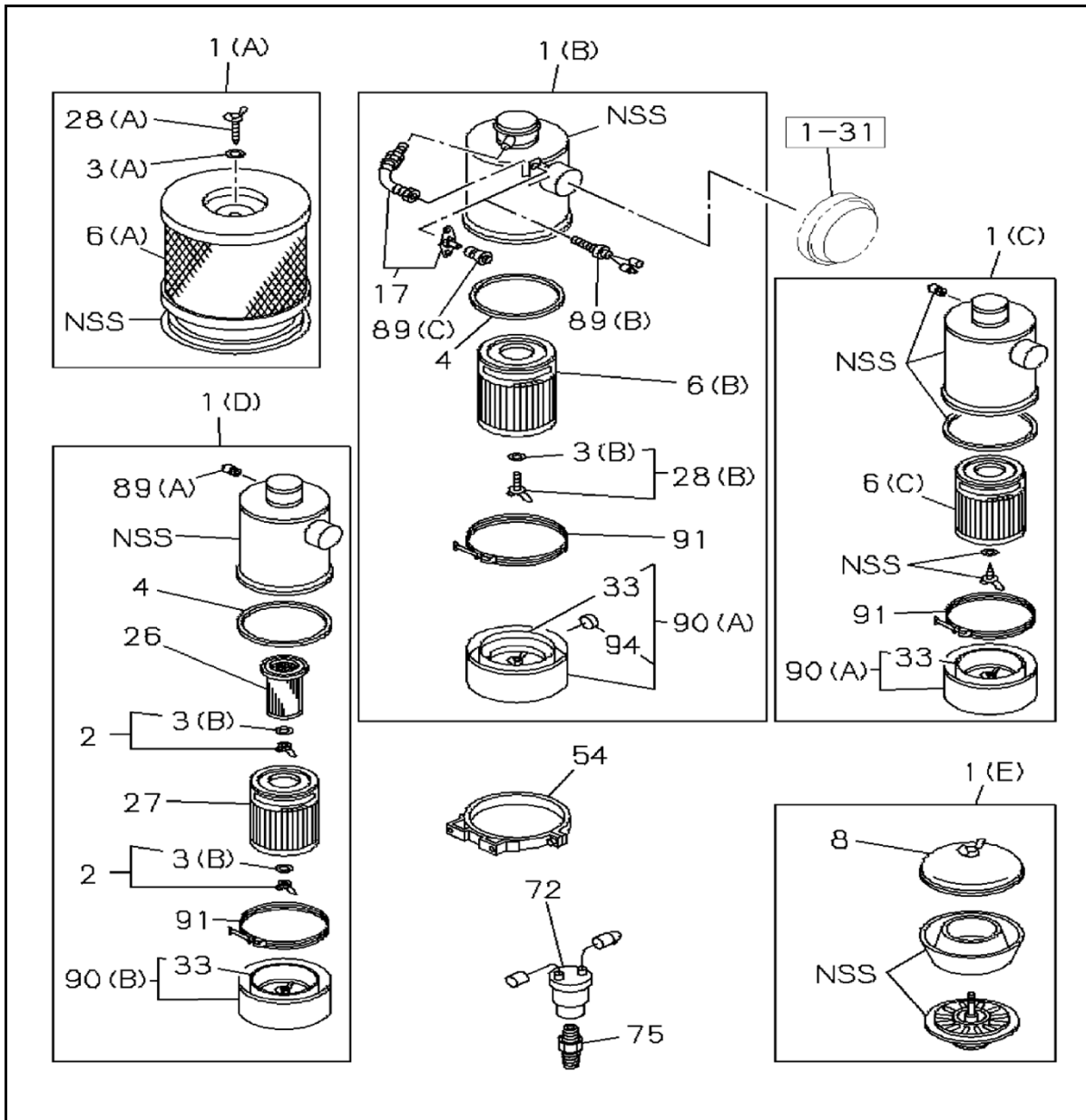
0-90 POWER TAKE OFF; FLYWHEEL



KEY No.	Part no.	qty	Part description
1	1-38000-172-0	1	POWER TAKE OFF ASM; ENG RR
4	9-09720-519-0	1	GASKET; BRG CASE
5	1-09625-128-0 <8-97388-533-0>	1	SEAL; OIL,BRG CASE,PTO
6	9-00093-149-0 <8-98171-254-0>	2	BEARING; FLYWHEEL PTO NSK
8	9-38241-621-0	1	GEAR; FLYWHEEL PTO
11	1-38221-031-0 <1-38221-031-1>	1	SHAFT; PTO,FLYWHEEL
12	9-09853-865-0	1	WASHER; LK,SHAFT NUT,FLYWHEEL
13	9-09843-720-0 <9-09843-720-1>	1	NUT; SHAFT,FLYWHEEL PTO
16	9-38175-011-0	1	THROWER; OIL,FLYWHEEL PTO
17	1-38189-010-0 <1-38189-010-2>	1	FLANGE; PTO,FLYWHEEL
18	1-09509-014-0 <1-09509-014-1>	1	WASHER; FLANGE,FLYWHEEL PTO
19	9-92052-060-0 <0-20852-060-0>	1	BOLT; FLANGE M20X60

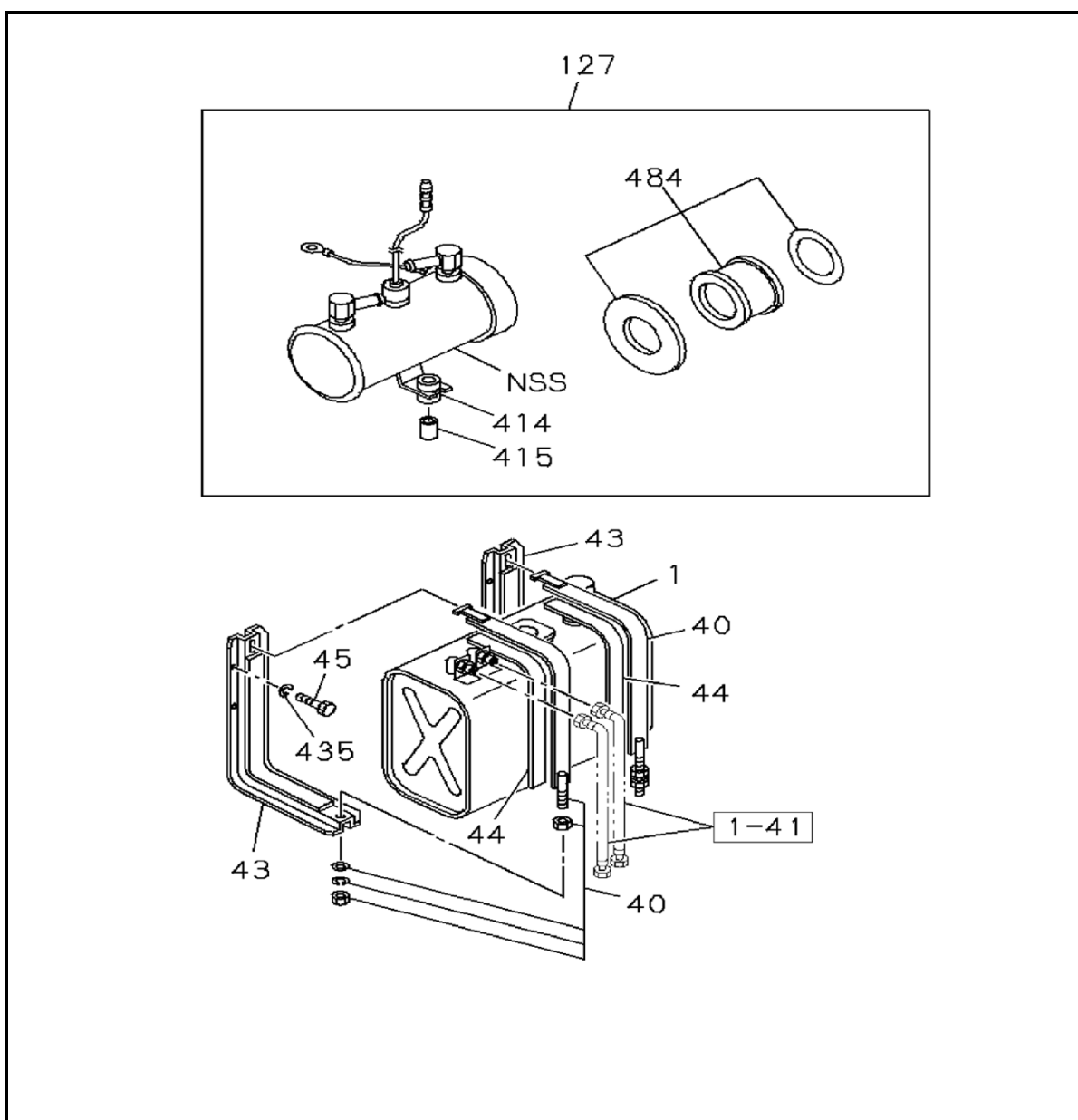
KEY No.	Part no.	qty	Part description
23	9-09164-510-0	7	WASHER; PL,BRG CASE
25	9-00093-076-0 <8-94376-183-0>	2	BEARING; IDLE DRIVEN GEAR,FLYWHEEL PTO
29	9-12531-041-0	1	SPINDLE; IDLE GEAR,PTO
30	9-09805-081-1	1	BOLT; SPINDLE M16
31	9-09843-063-0	1	NUT; IDLE GEAR
34	9-11343-801-0	1	COVER; PTO,FLYWHEEL
35	1-09623-284-0	1	GASKET; COVER
52	9-38110-606-0	1	CASE; BRG,PTO
57	1-09623-285-0 <1-09623-379-0>	1	GASKET; FLANGE,PTO,FLYWHEEL
70	9-38241-623-0	1	GEAR; IDLE DRIVEN,PTO Z=54
72	9-38226-021-0	1	SPACER; OUTER,IDLE DRIVEN GEAR,PTO T=4.80
76	9-09854-034-0	1	WASHER; LK,IDLE GEAR
77	9-09150-610-0 <1-09985-185-0>	4	WASHER; LK,COVER
78	9-09164-510-0	4	WASHER; PL,COVER
79	9-09150-610-0 <1-09985-185-0>	8	WASHER; LK,BRG CASE ID=10.2
80	9-09716-262-0	1	STAY; CLIP,FLYWHEEL PTO

1-30 AIR CLEANER



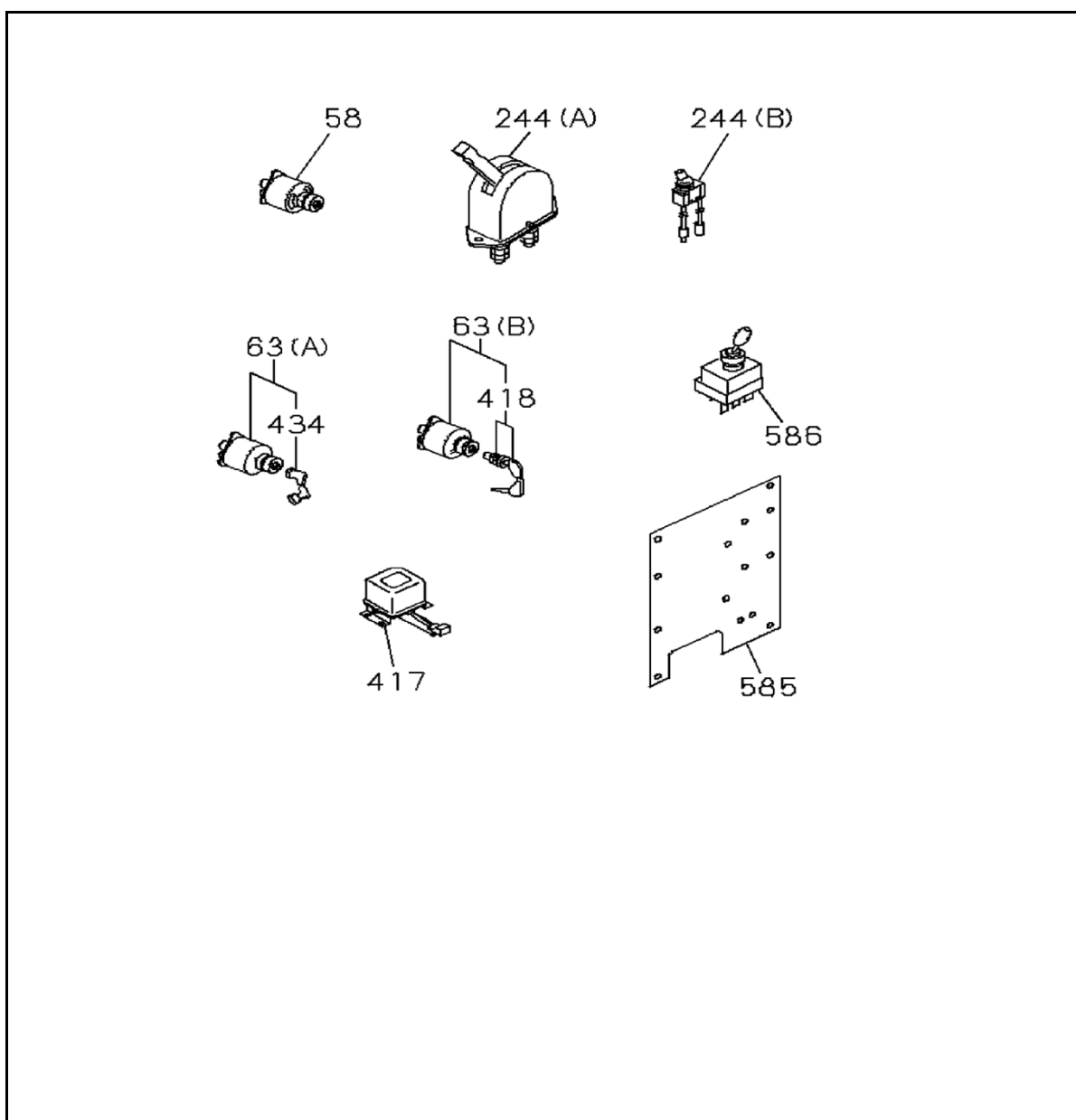
KEY No.	Part no.	qty	Part description
1 (B)	9-14220-689-0	1	CLEANER ASM; AIR
3 (B)	9-14219-178-0	2	WASHER; SEAL,WING NUT
4	9-14219-136-0	1	GASKET; COVER TO BODY
6 (B)	9-14215-132-1	1	FILTER; ACL
28 (B)	9-14217-058-0	1	BOLT; WING,ACL
33	9-14219-135-0	1	BAFFLE; ACL
54	9-14234-231-0	2	BRACKET; ACL
89 (C)	1-14219-141-0 <1-14219-147-0>	1	INDICATOR; ACL
90 (A)	9-14212-167-0 <9-14212-138-0>	1	CUP; ACL
91	9-14217-059-0	1	CLAMP

1-40 FUEL TANK



KEY No.	Part no.	qty	Part description
127	8-97041-521-2	1	PUMP ASM; FUEL,ELEC
414	8-97047-266-0	2	GROMMET; PUMP MTG,ELEC FUEL PUMP
415	8-97047-265-0	2	COLLAR; GROMMET,ELEC FUEL PUMP
484	8-94337-022-0 <8-94437-022-0>	1	REPAIR KIT; FUEL PUMP

8-25 SWITCH AND RELAY; INSTRUMENT PANEL



KEY No.	Part no.	qty	Part description
58	1-82313-005-0 <8-94402-500-0>	1	SWITCH; IGNITION
63 (A)	8-94402-500-0	1	SWITCH ASM; STARTER
417	1-82550-192-1	1	RELAY; EMERGENCY
434	8-94402-498-0	1	KEY; STARTER SW