



PARTS CATALOG

Introduction

1. This parts catalog is a first edition of the 8LV320, 8LV350, 8LV370, 8LV320Z, 8LV350Z, 8LV370Z Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	OCR10-G82200	Mar., 2011	

2. This parts catalog does not contain the technical data needed for maintenance service.
3. The illustrations used in this parts catalog have been simplified for clarity.
4. The contents of this parts catalog are subject to change without notice.
5. Be sure to use only Yanmar genuine part for repairs. If imitation parts are used, it may cause engine defects.

Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601		29. FUEL INJECTION PUMP(W/BOOST)									
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155, (4JH-DT, 4JH-DTZ)

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Mark

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

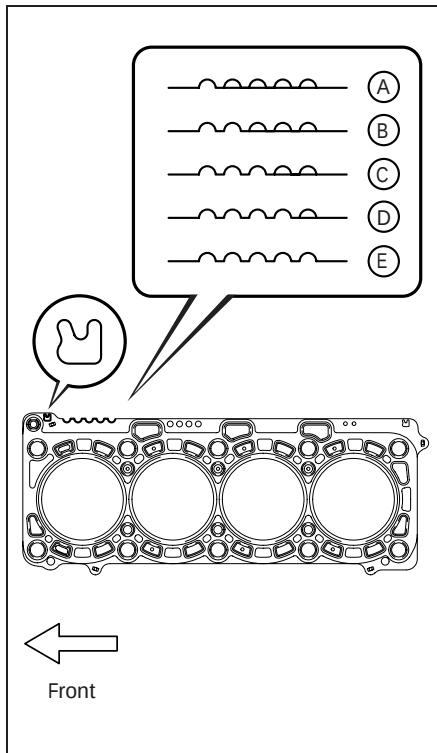
Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks Mark

Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

– CYLINDER HEAD GASKET (for the Right Head)



Select a new cylinder head gasket.

HINT:

Cylinder head gaskets are marked A, B, C, D or E accordingly.

New installed cylinder head gasket thickness

Item	Cutout	Specified Condition (*)
A	1	1.20 to 1.30 mm (0.0472 to 0.0512 in.)
B	2	1.25 to 1.35 mm (0.0492 to 0.0394 in.)
C	3	1.30 to 1.40 mm (0.0512 to 0.0551 in.)
D	4	1.35 to 1.45 mm (0.0531 to 0.0571 in.)
E	5	1.40 to 1.50 mm (0.0551 to 0.0591 in.)

HINT:

*: The specified condition indicates the gasket's thickness after tightening the cylinder head.

Select the largest piston protrusion value from the measurements and then select a new appropriate gasket according to the table below.

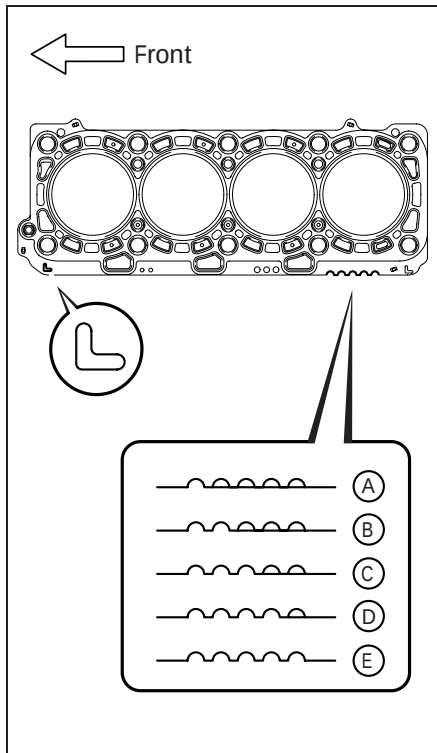
Piston protrusion

Item	Specified Condition (**)
A	0.520 to 0.575 mm (0.02047 to 0.02264 in.)
B	0.575 to 0.625 mm (0.02264 to 0.02461 in.)
C	0.625 to 0.675 mm (0.02461 to 0.02657 in.)
D	0.675 to 0.725 mm (0.02657 to 0.02854 in.)
E	0.725 to 0.780 mm (0.02854 to 0.03071 in.)

HINT:

** : Refer to the service manual for the measuring procedure of the piston protrusion.

– CYLINDER HEAD GASKET (for the Left Head)



Select a new cylinder head gasket.

HINT:

Cylinder head gaskets are marked A, B, C, D or E accordingly.

New installed cylinder head gasket thickness

Item	Cutout	Specified Condition (*)
A	1	1.20 to 1.30 mm (0.0472 to 0.0512 in.)
B	2	1.25 to 1.35 mm (0.0492 to 0.0394 in.)
C	3	1.30 to 1.40 mm (0.0512 to 0.0551 in.)
D	4	1.35 to 1.45 mm (0.0531 to 0.0571 in.)
E	5	1.40 to 1.50 mm (0.0551 to 0.0591 in.)

HINT:

*: The specified condition indicates the gasket's thickness after tightening the cylinder head.

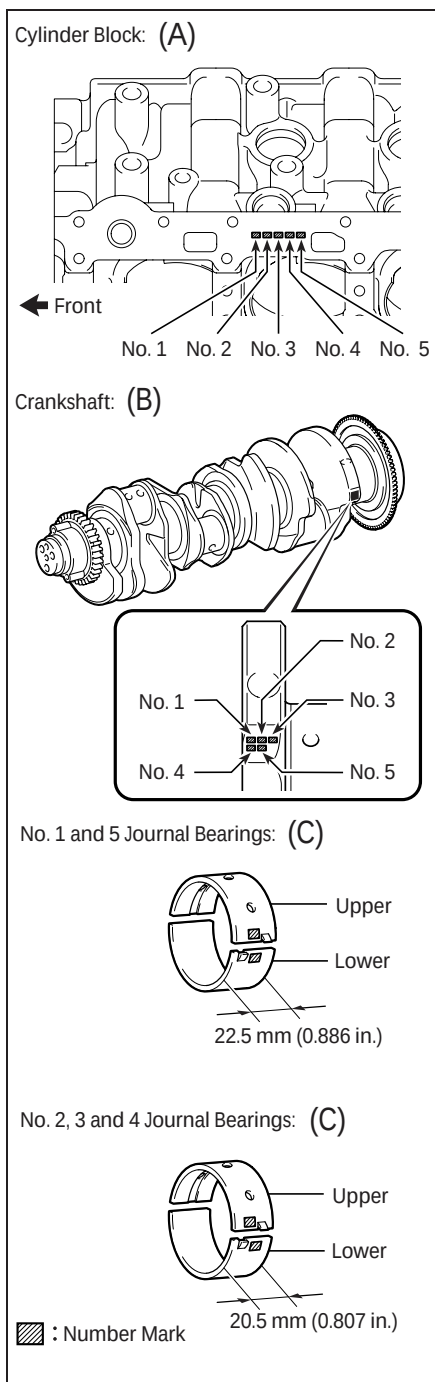
Select the largest piston protrusion value from the measurements and then select a new appropriate gasket according to the table.

Piston protrusion

Item	Specified Condition (**)
A	0.520 to 0.575 mm (0.02047 to 0.02264 in.)
B	0.575 to 0.625 mm (0.02264 to 0.02461 in.)
C	0.625 to 0.675 mm (0.02461 to 0.02657 in.)
D	0.675 to 0.725 mm (0.02657 to 0.02854 in.)
E	0.725 to 0.780 mm (0.02854 to 0.03071 in.)

HINT:

** : Refer to the service manual for the measuring procedure of the piston protrusion.



If replacing a bearing, replace it with one that has the same number. If the number of the bearing cannot be determined, select the correct bearing by adding together the numbers imprinted on the cylinder block and crankshaft, then refer to the appropriate bearing number. There are 7 sizes of standard bearings, marked "1", "2", "3", "4", "5", "6" and "7" accordingly.

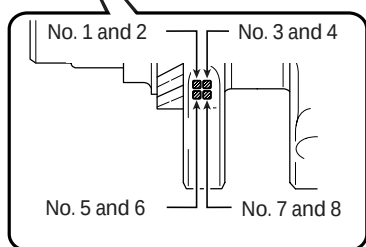
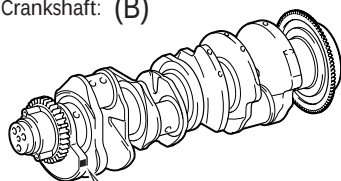
EXAMPLE

Cylinder block main journal bore diameter "1" (A) + Crankshaft main journal diameter "2" (B) = Total number 3 (use bearing "3" (C))

No. 1 to No. 5 on cylinder block

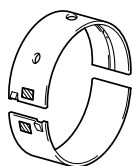
Cylinder Block (A)	Crankshaft (B)	Use Bearing (C)
"1"	"0"	"1"
	"1"	"2"
	"2"	"3"
	"3"	"4"
	"4"	"5"
"2"	"0"	"2"
	"1"	"3"
	"2"	"4"
	"3"	"5"
	"4"	"6"
"3"	"0"	"3"
	"1"	"4"
	"2"	"5"
	"3"	"6"
	"4"	"7"

Crankshaft: (B)



Connecting Rod: (A)

Connecting Rod
Bearing: (C)



▨: Number Mark

If replacing a bearing, replace it with one that has the same number marked on the connecting rod. There are 5 sizes of standard bearings, marked "1", "2", "3", "4" and "5" accordingly.

Select the correct bearing by adding together the number marks imprinted on the connecting rod and crankshaft.

EXAMPLE

Connecting rod inside diameter "1" (A) + Crank pin diameter "2" (B) = Total number 3 (use bearing "3" (C))

Connectiog Rod (A)	Crankshaft (B)	Use Bearing (C)
"1"	"0"	"1"
	"1"	"2"
	"2"	"3"
"2"	"0"	"2"
	"1"	"3"
	"2"	"4"
"3"	"0"	"3"
	"1"	"4"
	"2"	"5"

CONTENTS

MODEL : 8LV320(Z)/8LV350(Z)/8LV370(Z)

PC NO : 0CR10-G82200

Fig.No.	GROUP NAME
8LV320(Z)/8LV350(Z)/8LV370(Z)	
1.	CYLINDER BLOCK
2.	GEAR HOUSING
3.	GEAR HOUSING COVER & RETAINER
4.	FLYWHEEL HOUSING
5.	MOUNTING FOOT
6.	LUB.OIL SUMP
7.	LABEL
8.	BREATHER HOSE
9.	SEPARATOR
10.	TURBOCHARGER
11.	INTAKE SILENCER
12.	EXHAUST BEND & MIXING ELBOW(8LV320,350,370)
13.	EXHAUST BEND & MIXING ELBOW(8LV320Z,350Z,370Z)
14.	AIR COOLER
15.	AIR DUCT
16.	EXHAUST MANIFOLD
17.	SUCTION MANIFOLD
18.	CYLINDER HEAD
19.	CYLINDER HEAD COVER
20.	ENGINE LIFTER
21.	TOP COVER
22.	CAMSHAFT
23.	CRANKSHAFT & PISTON
24.	LUB.OIL COOLER
25.	LUB.OIL COOLER COVER
26.	LUB.OIL DIPSTICK
27.	LUB.OIL STRAINER
28.	LUB.OIL PIPE(FILTER)
29.	LUB.OIL PIPE(TURBOCHARGER)

Fig.No.	GROUP NAME
30.	OIL SUCTION/DRAIN PUMP(OPTIONAL)
31.	BILGE PUMP(OPTIONAL)
32.	COOLING SEA WATER PUMP
33.	COOLING FRESH WATER PUMP
34.	THERMOSTAT
35.	COOLING FRESH WATER COOLER
36.	COOLING SEA WATER PIPE(8LV320,350,370)
37.	COOLING SEA WATER PIPE(8LV320Z,350Z,370Z)
38.	COOLING SEA WATER PIPE(DRIVE)
39.	COOLING SEA WATER PIPE(MIXING/BY-PASS)
40.	COOLING FRESH WATER PIPE
41.	COOLING FRESH WATER PIPE(BY-PASS)
42.	HOT WATER SYSTEM
43.	KINGSTON COCK(OPTIONAL)
44.	FUEL INJECTION PUMP & FUEL INJECTION PIPE
45.	FUEL INJECTION VALVE
46.	FUEL PIPE
47.	FUEL STRAINER
48.	FUEL COOLER
49.	OIL/WATER SEPARATOR(OPTIONAL)
50.	GLOW PLUG
51.	POWER STEERING PUMP
52.	POWER STEERING COOLER & TANK
53.	POWER STEERING PIPE
54.	CLUTCH
55.	P.T.O.FLANGE(OPTIONAL)
56.	TROLLING VALVE(A2/OPTIONAL)
57.	ELECTRONIC TROLLING(TYPE-E/OPTIONAL)
58.	ELECTRONIC TROLLING(TYPE-C/OPTIONAL)
59.	CLUTCH ADAPTER

CONTENTS

MODEL : 8LV320(Z)/8LV350(Z)/8LV370(Z)

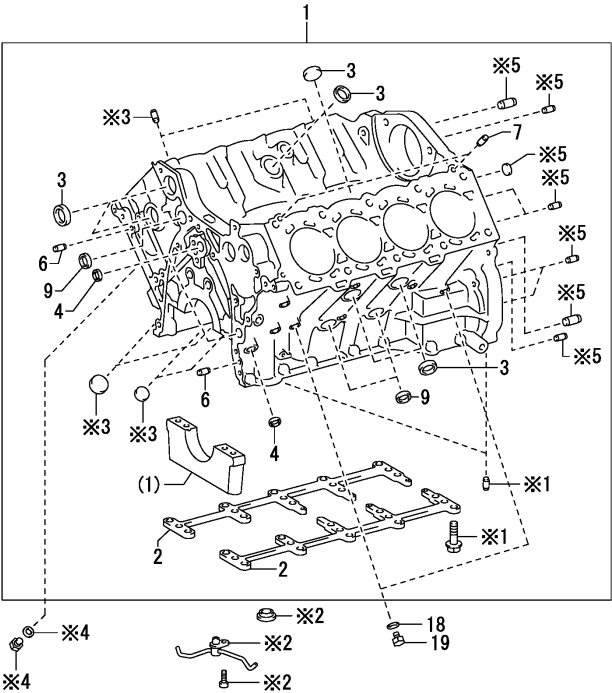
PC NO : 0CR10-G82200

Fig.No. GROUP NAME

- 60. DRIVE ADAPTER
- 61. STARTING MOTOR
- 62. GENERATOR
- 63. BELT COVER
- 64. ENGINE CONTROL UNIT
- 65. ELECTRONIC DRIVE UNIT
- 66. WIRE HARNESS
- 67. SENSOR
- 68. RELAY & FUSE
- 69. BATTERY TERMINAL
- 70. TOOL

Fig.No. GROUP NAME

Fig.1. CYLINDER BLOCK



※1

①	12
②	14
③	17
④	11

※2

①	16
②	15

※3

①	7
②	3
③	9

※4

①	18
②	19

※5

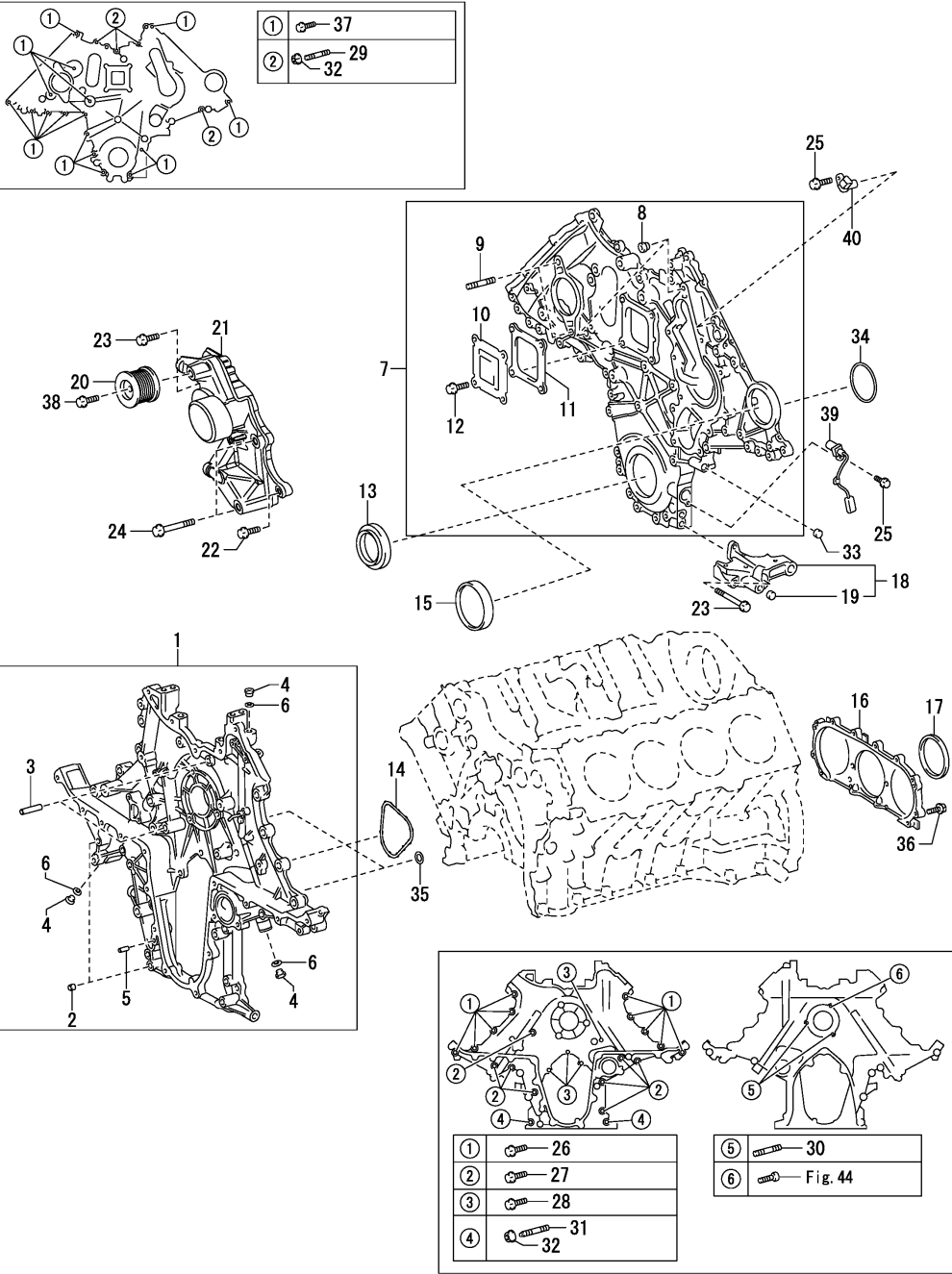
①	4
②	5
③	10
④	8

OCR10-G82200 1. CYLINDER BLOCK

(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

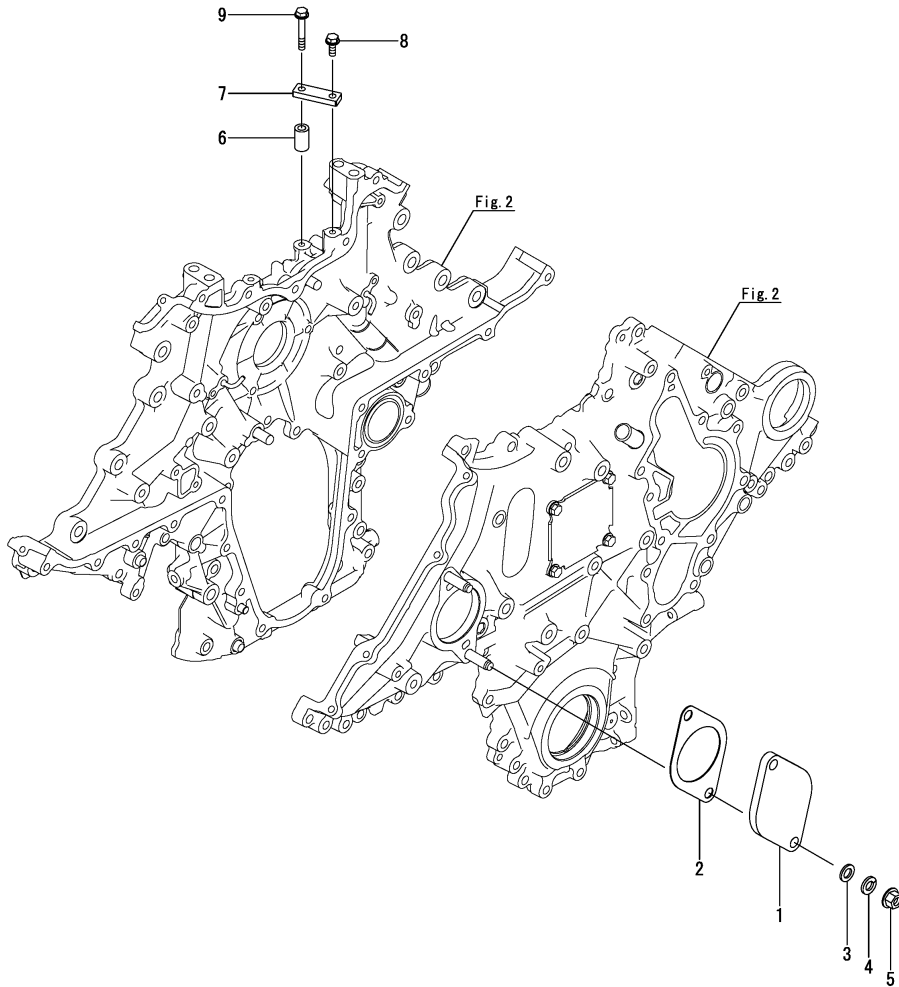
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01010	BLOCK SUB-ASSY,CYLIN	1	1	1	1	1	1		
2	2	119798-01020	PLATE,CYLINDER BLOCK	2	2	2	2	2	2		
3	2	119798-01030	PLUG ,TIGHT ,NO.1	8	8	8	8	8	8		
4	2	119798-01040	PLUG ,TIGHT ,NO.3	4	4	4	4	4	4		
5	2	119798-01050	PIN,STRAIGHT L22,D10	2	2	2	2	2	2		
6	2	119798-01060	PIN,STRAIGHT L15,D8	2	2	2	2	2	2		
7	2	119798-01060	PIN,STRAIGHT L15,D8	4	4	4	4	4	4		
8	2	119798-01080	PIN,STRAIGHT L12,D4	4	4	4	4	4	4		
9	2	119771-90030	PLUG	5	5	5	5	5	5		
10	2	119771-90050	PIN	2	2	2	2	2	2		
11	2	119771-90050	PIN	2	2	2	2	2	2		
12	1	119798-01070	BOLT M11X1.25XL106	10	10	10	10	10	10		
13	1	119798-01090	GASKET,CYLINDER BLOC	1	1	1	1	1	1		
14	1	119798-01100	BOLT,M10X1.25XL90.5	10	10	10	10	10	10		
15	1	119798-01110	BOLT,HEXAGON SOCKET	4	4	4	4	4	4		
16	1	119798-01120	NOZZLE SUB-ASSY, OIL	4	4	4	4	4	4		
17	1	119798-01400	BOLT,W/WASHER BASED	10	10	10	10	10	10		
18	1	119770-90720	GASKET	4	4	4	4	4	4		
19	1	119770-90790	PLUG	4	4	4	4	4	4		

Fig.2. GEAR HOUSING



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01130	CASE ASSY,TIMINGGEAR	1	1	1	1	1	1		
2	2	119798-01810	PIN,RING D11XL10	2	2	2	2	2	2		
3	2	119798-01820	PIN, STRAIGHT D10X36	2	2	2	2	2	2		
4	2	119798-01830	PLUG M18X1.5XL13	3	3	3	3	3	3		
5	2	119770-90180	PIN	1	1	1	1	1	1		
6	2	119770-90680	GASKET	3	3	3	3	3	3		
7	1	119798-01160	COVER ASSY,TIMINGCHA	1	1	1	1	1	1		
8	2	119798-01180	PLUG,STRAIGHT	2	2	2	2	2	2		
9	2	119798-01190	BOLT,STUD	2	2	2	2	2	2		
10	2	119798-01210	PLATE,TIMING CHAIN C	1	1	1	1	1	1		
11	2	119798-01220	GASKET,TIMING GEAR C	1	1	1	1	1	1		
12	2	119798-01710	BOLT ,FLANGE M6XL12	4	4	4	4	4	4		
13	1	119798-01170	SEAL, OIL	1	1	1	1	1	1		
14	1	119798-01200	GASKET,FRONT ENG PLA	1	1	1	1	1	1		
15	1	119798-01230	PLUG,TIGHT	1	1	1	1	1	1		
16	1	119798-01240	RETAINER,REAR OIL SE	1	1	1	1	1	1		
17	1	119798-01250	SEAL,ENGINE REAR OIL	1	1	1	1	1	1		
18	1	119798-01260	BRACKET,CHAIN COVER	1	1	1	1	1	1		
19	2	119798-01810	PIN,RING D11XL10	1	1	1	1	1	1		
20	1	119798-01270	PULLY SUB-ASSY,IDLER	1	1	1	1	1	1		
21	1	119798-01280	TENSIONER,V-RBD BELT	1	1	1	1	1	1		
22	1	119798-01290	BOLT ,FLANGE M8XL40	1	1	1	1	1	1		
23	1	119798-01700	BOLT ,FLANGE M8XL80	2	2	2	2	2	2		
24	1	119798-01720	BOLT ,FLANGE M10XL95	2	2	2	2	2	2		
25	1	119798-01730	BOLT ,FLANGE M6XL16	2	2	2	2	2	2		
26	1	119798-01740	BOLT ,FLANGE M10XL40	10	10	10	10	10	10		
27	1	119798-01750	BOLT ,FLANGE M8XL45	8	8	8	8	8	8		
28	1	119798-01760	BOLT ,FLANGE M8XL20	4	4	4	4	4	4		
29	1	119798-01770	BOLT,STUD M8XL42+12	4	4	4	4	4	4		
30	1	119798-01780	BOLT,STUD	2	2	2	2	2	2		
31	1	119798-01790	BOLT,STUD M8XL47.5+1	2	2	2	2	2	2		
32	1	119798-01800	NUT M8	6	6	6	6	6	6		
33	1	119798-01810	PIN,RING D11XL10	3	3	3	3	3	3		
34	1	119798-01840	O-RING	1	1	1	1	1	1		
35	1	119798-01850	O-RING	2	2	2	2	2	2		
36	1	119798-11310	BOLT M6XL20	10	10	10	10	10	10		
37	1	119798-14170	BOLT M8XL30	16	16	16	16	16	16		
38	1	119798-21090	BOLT M10X1.25XL50	1	1	1	1	1	1		
39	1	119798-91650	SENSOR,CRANK POSITIO	1	1	1	1	1	1		
40	1	119798-91660	SENSOR,CAM POSITION	1	1	1	1	1	1		

Fig.3. GEAR HOUSING COVER & RETAINER

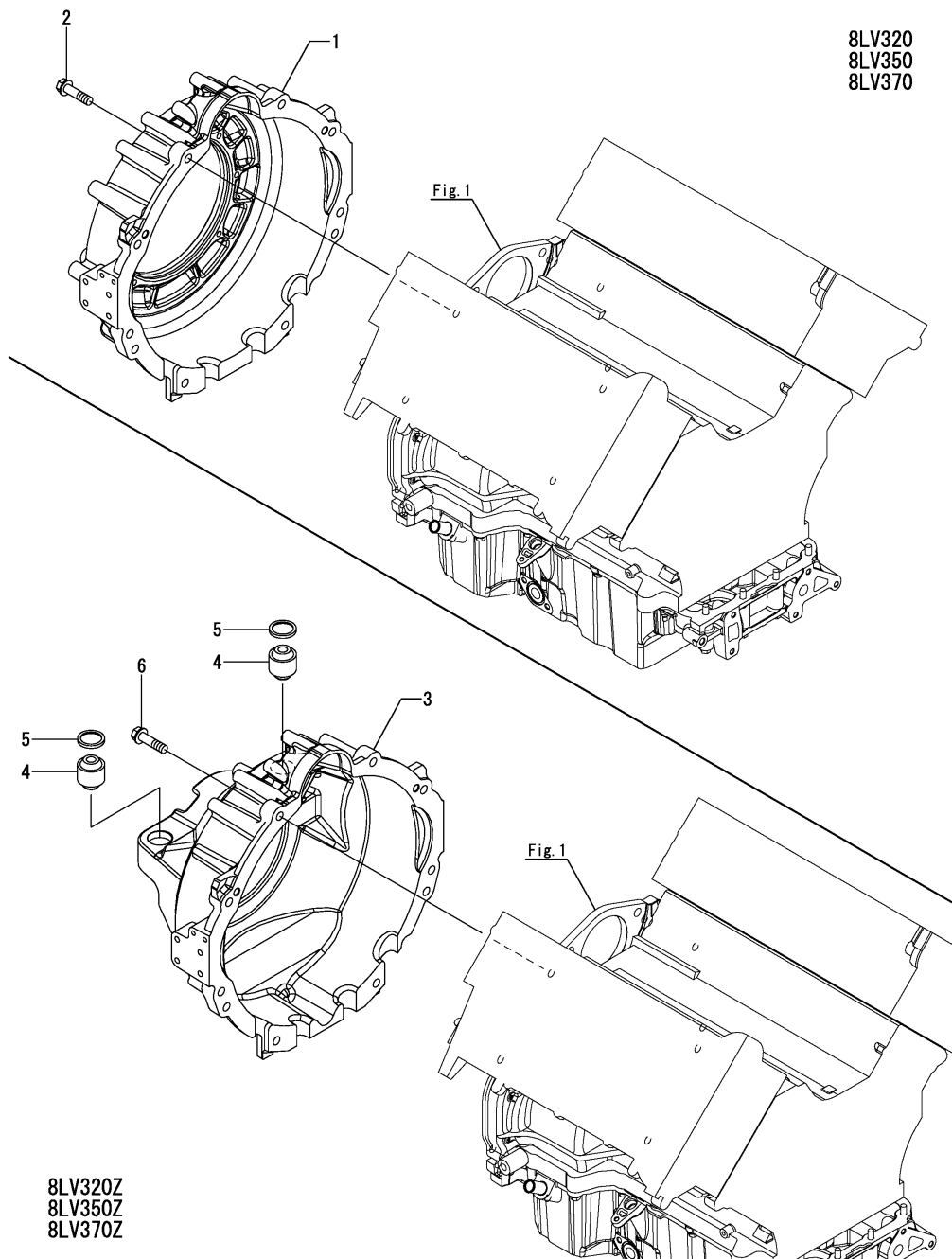


Remarks
(1)8LV320Z,350Z,370Z is optional.
(Non power steering spec.)

OCR10-G82200 3. GEAR HOUSING COVER & RETAINER

(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01580	COVER,CHAIN COVER	1	1	1	1	1	1	1	1
2	1	119798-01590	GASKET,CHAIN COVER	1	1	1	1	1	1	1	1
3	1	22117-100000	WASHER 10	2	2	2	2	2	2	2	1
4	1	22217-100000	SPRING WASHER 10	2	2	2	2	2	2	2	1
5	1	26376-100002	U-NUT M10	2	2	2	2	2	2	2	1
6	1	119798-01980	SPACER,CHAIN CASE	1	1	1	1	1	1	1	1
7	1	119798-01990	PLATE,RETAINER	1	1	1	1	1	1	1	1
8	1	26106-060162	BOLT M 6X 16 PLATED	1	1	1	1	1	1	1	1
9	1	26106-060402	BOLT M 6X 40 PLATED	1	1	1	1	1	1	1	1

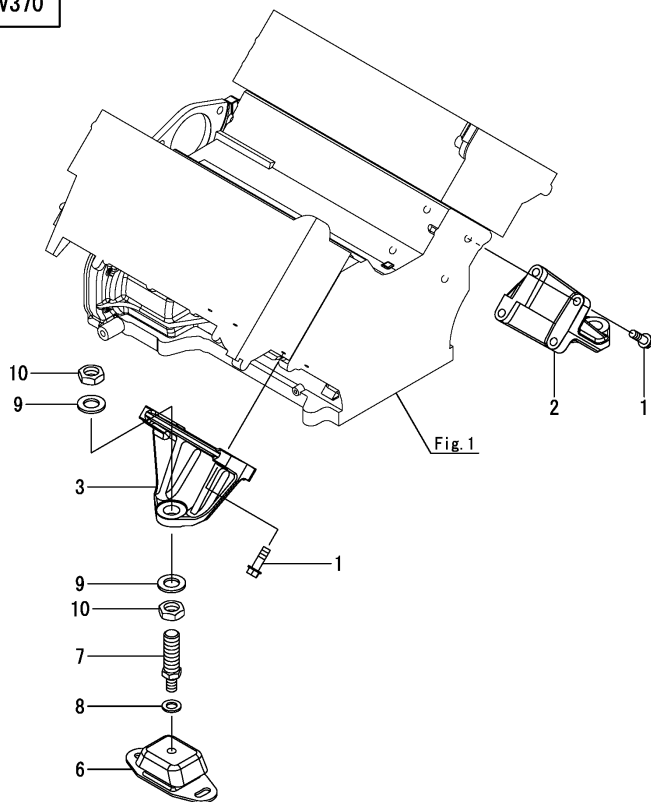
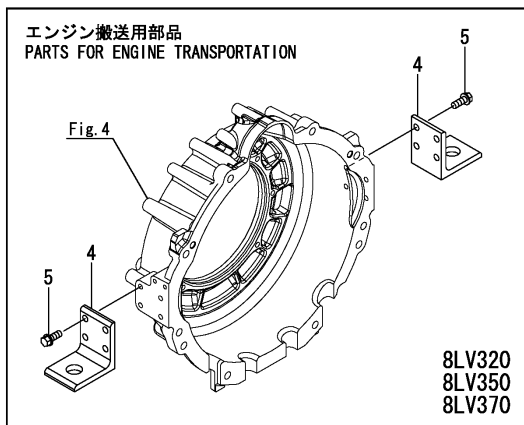


8LV320
8LV350
8LV370

8LV320Z
8LV350Z
8LV370Z

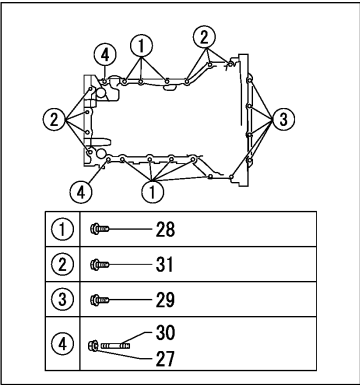
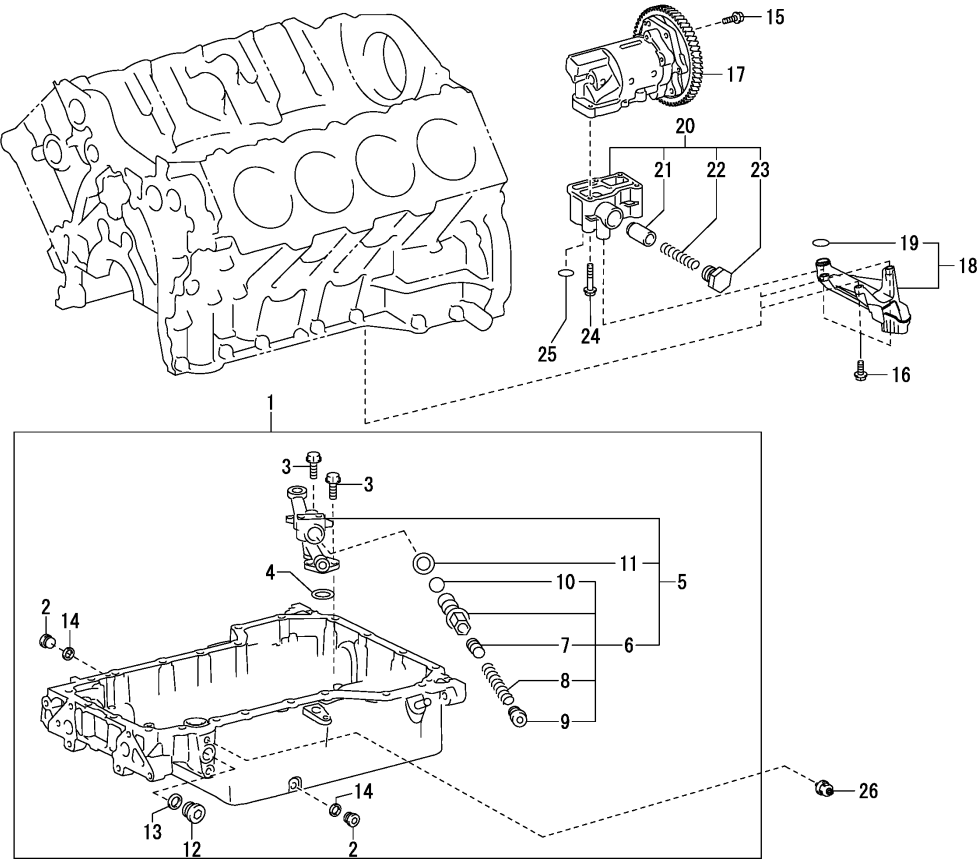
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01600	HOUSING, FLYWHEEL	1	1	1					
2	1	26136-120452	BOLT M12X45,COLLAR	10	10	10					
3	1	119799-01610	HOUSING, FLYWHEEL				1	1	1		
4	1	119778-08310	MOUNTING, FLEXIBLE				2	2	2		
5	1	119778-08350	SPACER				2	2	2		
6	1	26136-120452	BOLT M12X45,COLLAR				10	10	10		



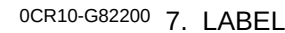
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	F
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119775-08230	BOLT,MOUNT FOOT	8	8	8	8	8	8		
2	1	119798-08530	FOOT,ENGINE FRONT LH	1	1	1	1	1	1		
3	1	119798-08620	FOOT,ENGINE FRONT RH	1	1	1	1	1	1		
4	1	119798-08220	FOOT, MOUNTING TRANS	2	2	2					
5	1	26106-100252	BOLT M10X 25 PLATED	8	8	8					
6	1	119798-08310	RUBBER, MOUNT 65	4	4	4	2	2	2		
7	1	119798-08320	BOLT,RUBBER MOUNT	4	4	4	2	2	2		
8	1	22137-160000	WASHER 16,POLISHED	4	4	4	2	2	2		
9	1	22137-240000	WASHER 24,POLISHED	8	8	8	4	4	4		
10	1	26776-240002	LOCK NUT M24 PLATED	8	8	8	4	4	4		

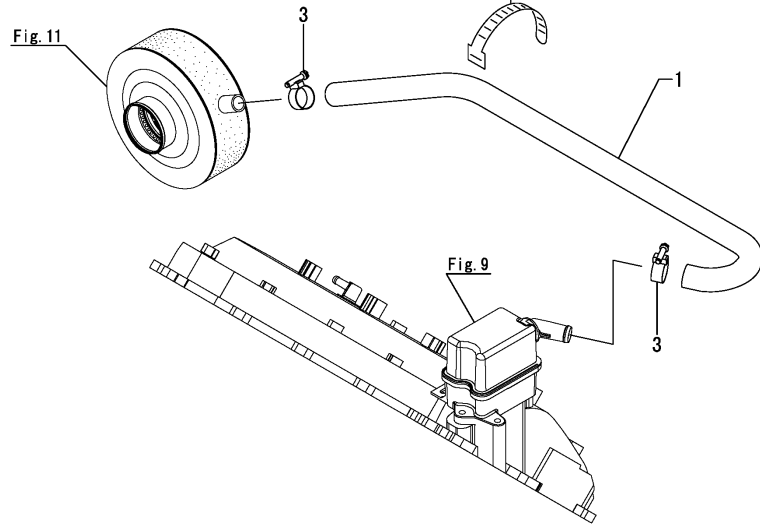
Fig.6. LUB.OIL SUMP



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01410	PAN SUB-ASSY,OIL	1	1	1	1	1	1		
2	2	119798-01420	PLUG	2	2	2	2	2	2		
3	2	119798-11310	BOLT M6XL20	4	4	4	4	4	4		
4	2	119798-32150	RING, O	1	1	1	1	1	1		
5	2	119798-32160	PIPE ASSY,OIL PUMP O	1	1	1	1	1	1		
6	3	119798-32120	REGULATOR ASSY, OIL	1	1	1	1	1	1		
7	4	119798-32040	VALVE,OIL PUMP RELIE	1	1	1	1	1	1		
8	4	119798-32060	SPRING,OIL PUMP RELI	1	1	1	1	1	1		
9	4	119798-32080	PLUG,OIL PUMP RELIEF	1	1	1	1	1	1		
10	4	119798-32100	GASKET,OIL PUMP RELI	1	1	1	1	1	1		
11	3	119798-32130	GASKET,OIL PRESSURE	1	1	1	1	1	1		
12	2	119798-33020	PLUG,W/HEAD STRAIGHT	1	1	1	1	1	1		
13	2	119770-90690	GASKET	1	1	1	1	1	1		
14	2	119770-90720	GASKET	2	2	2	2	2	2		
15	1	119798-01730	BOLT ,FLANGE M6XL16	4	4	4	4	4	4		
16	1	119798-11310	BOLT M6XL20	3	3	3	3	3	3		
17	1	119798-32010	PUMP ASSY, OIL	1	1	1	1	1	1		
18	1	119798-32020	STRAINER ASSY, OIL	1	1	1	1	1	1		
19	2	119798-32030	RING, O	1	1	1	1	1	1		
20	1	119798-32110	REGULATOR ASSY, OIL	1	1	1	1	1	1		
21	2	119798-32050	VALVE,OIL PUMP RELIE	1	1	1	1	1	1		
22	2	119798-32070	SPRING,OIL PUMP RELI	1	1	1	1	1	1		
23	2	119798-32090	PLUG,OIL PUMP RELIEF	1	1	1	1	1	1		
24	1	119798-32140	BOLT M6XL50	4	4	4	4	4	4		
25	1	119798-32170	RING, O	1	1	1	1	1	1		
26	1	119798-91600	GAGE,OIL PRESSURE	1	1	1	1	1	1		
27	1	119798-01800	NUT M8	2	2	2	2	2	2		
28	1	119798-14160	BOLT M8XL20	8	8	8	8	8	8		
29	1	119798-14170	BOLT M8XL30	5	5	5	5	5	5		
30	1	119798-33060	STUD, HEXALOBULAR	2	2	2	2	2	2		
31	1	119798-49720	BOLT,FLANGE M8XL70	7	7	7	7	7	7		

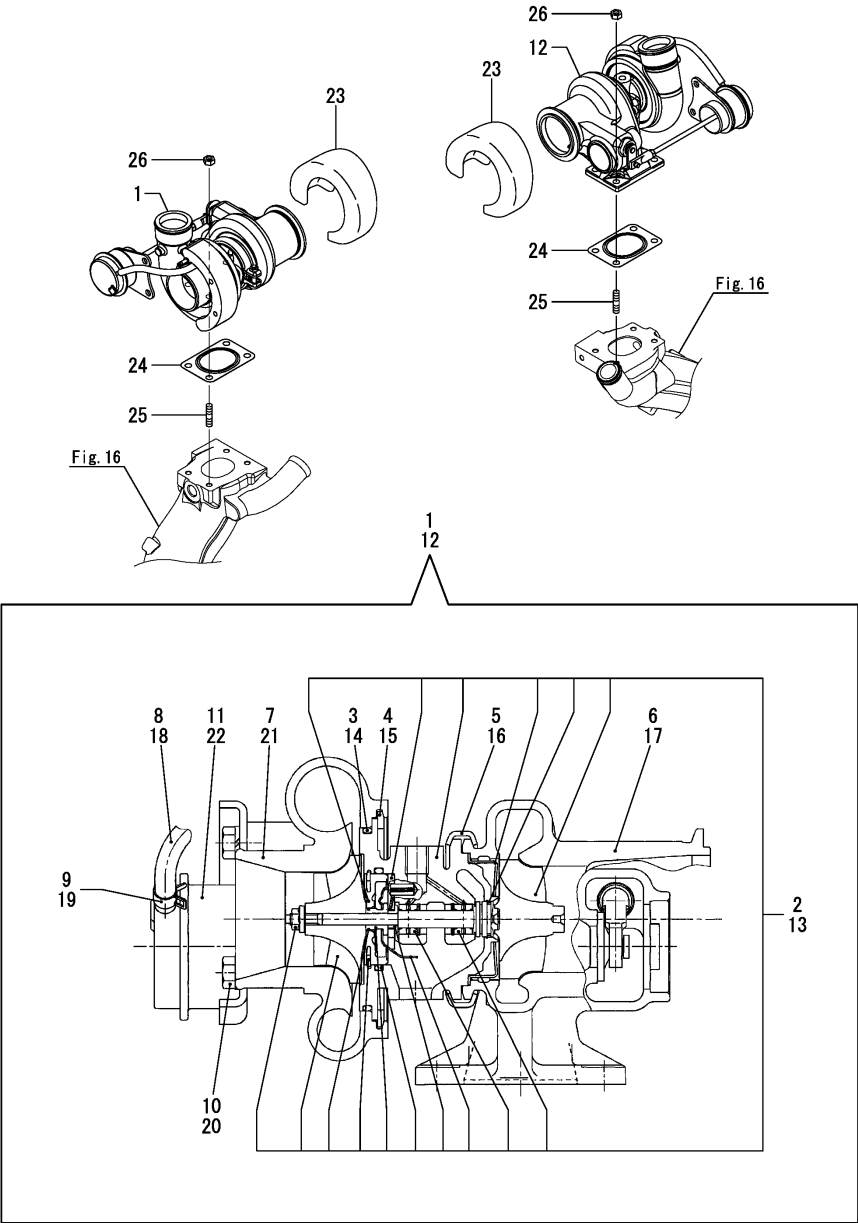
[illegible]



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-03161	HOSE,BREATHERR	1	1	1	1	1	1		
2	1	194250-51660	BAND 250	1	1	1	1	1	1		
3	1	23000-025000	CLAMP 25	2	2	2	2	2	2		

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

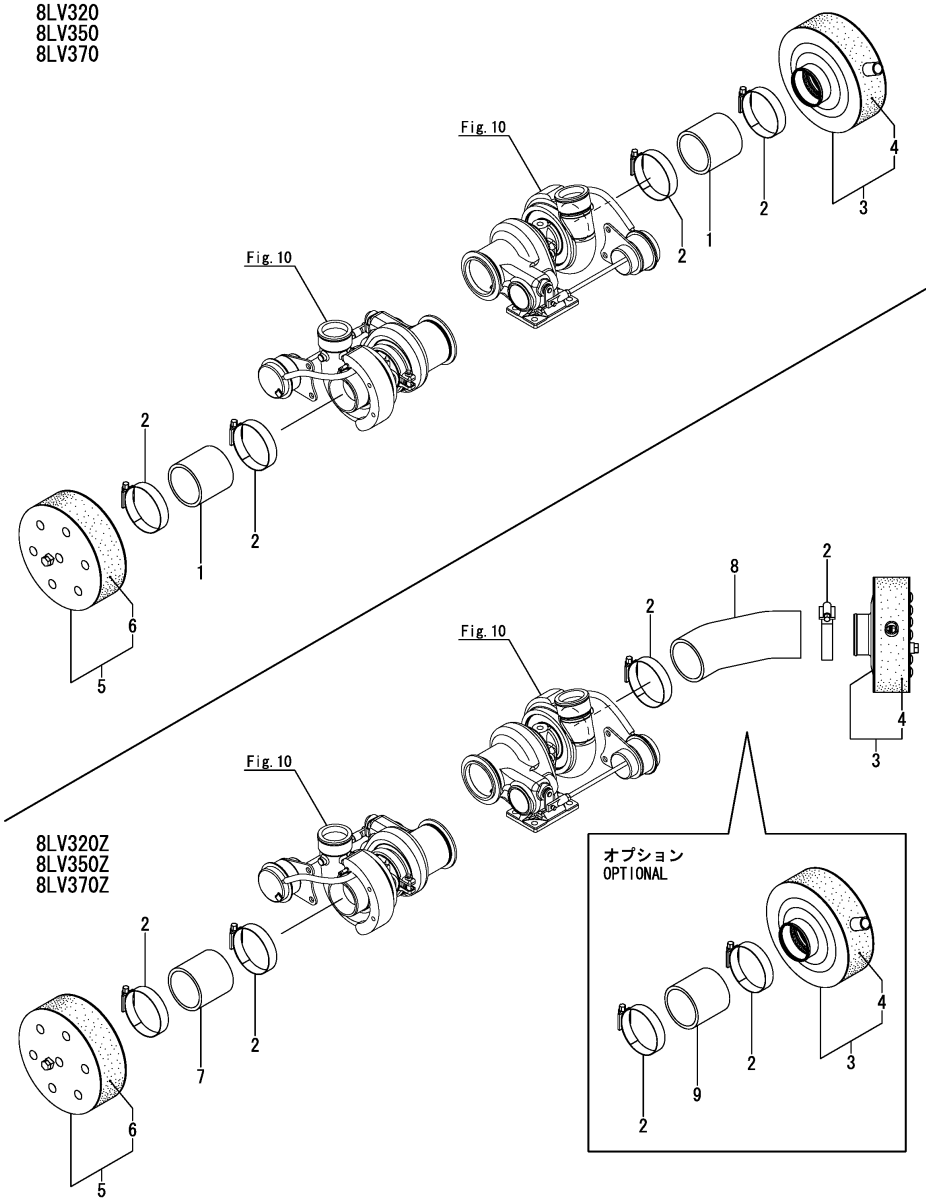
Fig.10. TURBOCHARGER



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-18010	TURBOCHARGER ASSY,RH	1	1	1	1	1	1		
2	2	119798-18030	TURBOCHARGER ASSY	1	1	1	1	1	1		
3	2	119798-18040	O-RING	1	1	1	1	1	1		
4	2	119798-18050	RING, SNAP	1	1	1	1	1	1		
5	2	119798-18060	COUPLING ASSY	1	1	1	1	1	1		
6	2	119798-18070	HOUSING ASSY,TURBINE	1	1	1	1	1	1		
7	2	119798-18080	COMPRESSOR ASSY,RH	1	1	1	1	1	1		
8	2	119798-18090	HOSE,L=150	1	1	1	1	1	1		
9	2	119798-18100	CLIP, HOSE	2	2	2	2	2	2		
10	2	119798-18110	BOLT, W/WASHER	2	2	2	2	2	2		
11	2	119798-18120	ACTUATOR,W/G RH	1	1	1	1	1	1		
12	1	119798-18020	TURBOCHARGER ASSY,LH	1	1	1	1	1	1		
13	2	119798-18030	TURBOCHARGER ASSY	1	1	1	1	1	1		
14	2	119798-18040	O-RING	1	1	1	1	1	1		
15	2	119798-18050	RING, SNAP	1	1	1	1	1	1		
16	2	119798-18060	COUPLING ASSY	1	1	1	1	1	1		
17	2	119798-18070	HOUSING ASSY,TURBINE	1	1	1	1	1	1		
18	2	119798-18090	HOSE,L=150	1	1	1	1	1	1		
19	2	119798-18100	CLIP, HOSE	2	2	2	2	2	2		
20	2	119798-18110	BOLT, W/WASHER	2	2	2	2	2	2		
21	2	119798-18130	COMPRESSOR ASSY,LH	1	1	1	1	1	1		
22	2	119798-18140	ACTUATOR,W/G,LH	1	1	1	1	1	1		
23	1	119798-18340	INSULATOR,T/C	2	2	2	2	2	2		
24	1	119798-18700	GASKET,T/C IN	2	2	2	2	2	2		
25	1	26223-080182	STUD, M8X18	8	8	8	8	8	8		
26	1	26703-080002	NUT M 8	8	8	8	8	8	8		

Fig.11. INTAKE SILENCER

8LV320
8LV350
8LV370



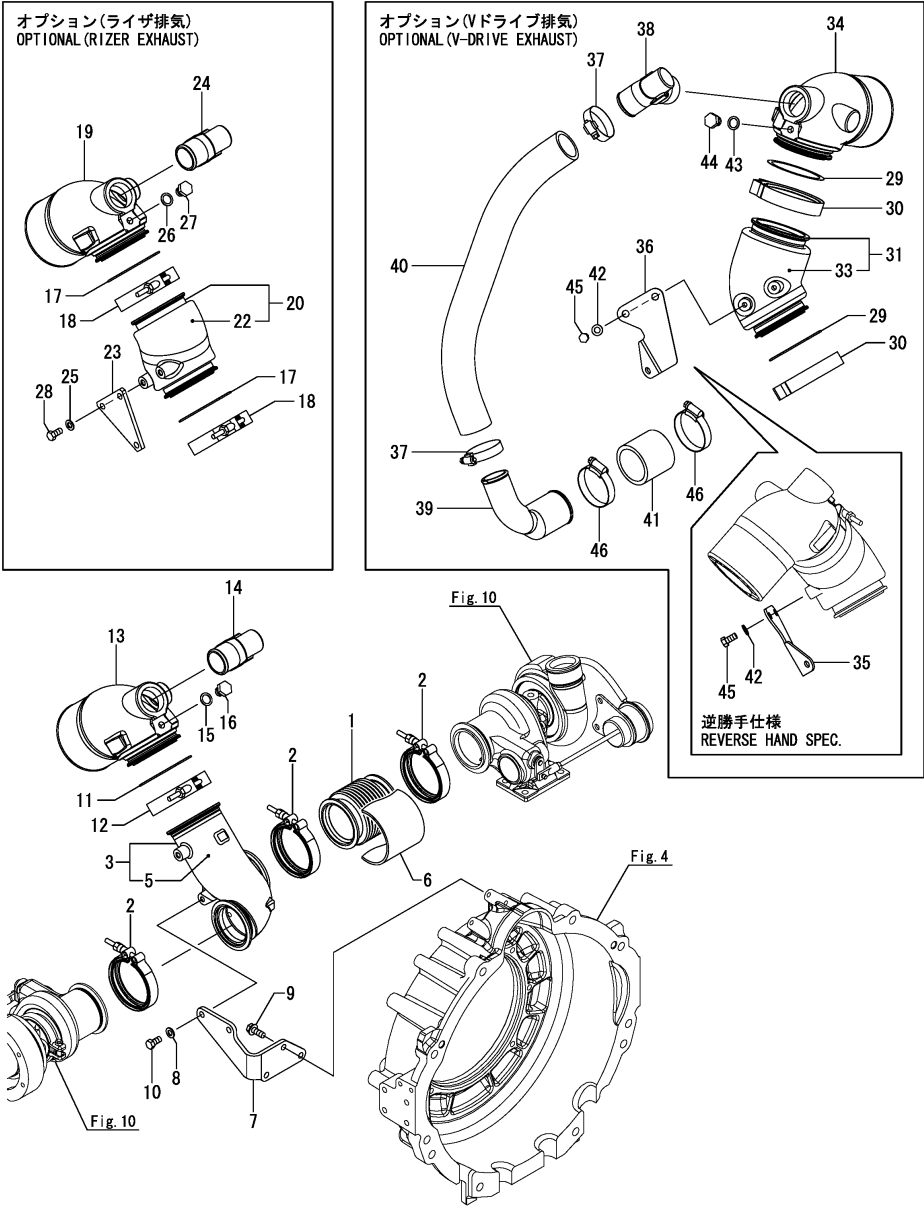
8LV320Z
8LV350Z
8LV370Z

Remarks
(1)Optional parts.(It applies, except
for the drive exhaust.)

(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-18710	HOSE,T/C IN	2	2	2					
2	1	119574-18910	CLAMP	4	4	4	4	4	4		
3	1	119798-18911	SILENCER,LH	1	1	1	1	1	1		
4	2	119173-18880	FILTER	1	1	1	1	1	1		
5	1	119798-18920	SILENCER,RH	1	1	1	1	1	1		
6	2	119173-18880	FILTER	1	1	1	1	1	1		
7	1	119798-18710	HOSE,T/C IN					1	1	1	
8	1	119799-18710	HOSE,T/C IN					1	1	1	
9	1	119798-18710	HOSE,T/C IN					1	1	1	1

Fig.12. EXHAUST BEND & MIXING ELBOW(8LV320,350,370)

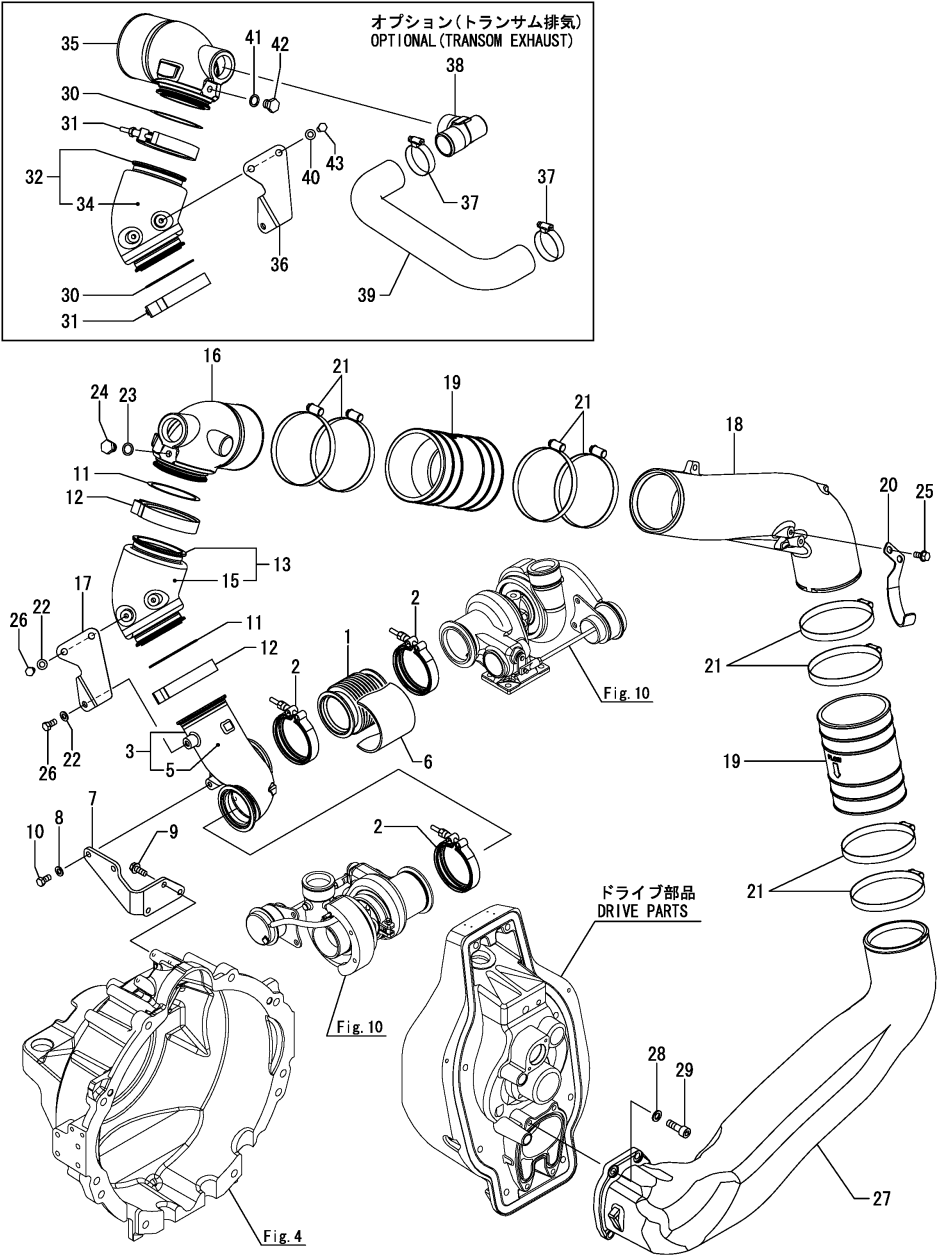


Remarks
(1)Optional parts.(Riser exhaust)
(2)Optional parts.(V-drive exhaust)

(A)=8LV320 (D)=8LV320Z
(B)=8LV350 (E)=8LV350Z
(C)=8LV370 (F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-13200	BELLOWS,EXHAUST	1	1	1					
2	1	119798-13450	V-CLAMP	3	3	3					
3	1	119798-13510	BEND ASSY,EXHAUST	1	1	1					
5	2	119798-13530	INSULATOR, EXH BEND	1	1	1					
6	1	119798-13581	INSULATOR,BELLOWS	1	1	1					
7	1	119798-13750	BRACKET,EXH. BEND	1	1	1					
8	1	22113-080000	WASHER 8	2	2	2					
9	1	26106-080202	BOLT M 8X 20 PLATED	3	3	3					
10	1	26113-080162	BOLT M 8X 16 (STEN	2	2	2					
11	1	119773-13250	GASKET,TURBOCHARGER	1	1	1					
12	1	119773-13300	V-CLAMP	1	1	1					
13	1	119773-13501	ELBOW, MIXING	1	1	1					
14	1	119775-48640	BEND, ELBOW	1	1	1					
15	1	23414-130000	GASKET 13, ROUND	1	1	1					
16	1	23893-020002	PLUG PF1/4	1	1	1					
17	1	119773-13250	GASKET,TURBOCHARGER	2	2	2					1
18	1	119773-13300	V-CLAMP	2	2	2					1
19	1	119773-13501	ELBOW, MIXING	1	1	1					1
20	1	119798-13550	BEND ASSY, EXH RISER	1	1	1					1
22	2	119798-13570	INSULATOR, EXH RISER	1	1	1					1
23	1	119798-13760	BRACKET,EXH. BEND	1	1	1					1
24	1	119775-48640	BEND, ELBOW	1	1	1					1
25	1	22113-080000	WASHER 8	3	3	3					1
26	1	23414-130000	GASKET 13, ROUND	1	1	1					1
27	1	23893-020002	PLUG PF1/4	1	1	1					1
28	1	26113-080162	BOLT M 8X 16 (STEN	3	3	3					1
29	1	119773-13250	GASKET,TURBOCHARGER	2	2	2					2
30	1	119773-13300	V-CLAMP	2	2	2					2
31	1	119799-13350	EXH BEND CMP	1	1	1					2
33	2	119799-13370	HEAT INSULATOR	1	1	1					2
34	1	119773-13501	ELBOW, MIXING	1	1	1					2
35	1	119799-13540	BRACKET,BEND	1	1	1					2
36	1	119799-13550	BRACKET,BEND	1	1	1					2
37	1	119172-48480	CLIP, HOSE	2	2	2					2
38	1	119775-48640	BEND, ELBOW	1	1	1					2
39	1	119798-49470	JOINT, CSW ELBOW	1	1	1					2
40	1	119798-49480	HOSE, CSW 38X650	1	1	1					2
41	1	127620-49720	RUBBER JOINT	1	1	1					2
42	1	22113-080000	WASHER 8	3	3	3					2
43	1	23414-130000	GASKET 13, ROUND	1	1	1					2
44	1	23893-020002	PLUG PF1/4	1	1	1					2
45	1	26113-080162	BOLT M 8X 16 (STEN	3	3	3					2
46	1	43730-552161	CLIP HOSE,61	2	2	2					2

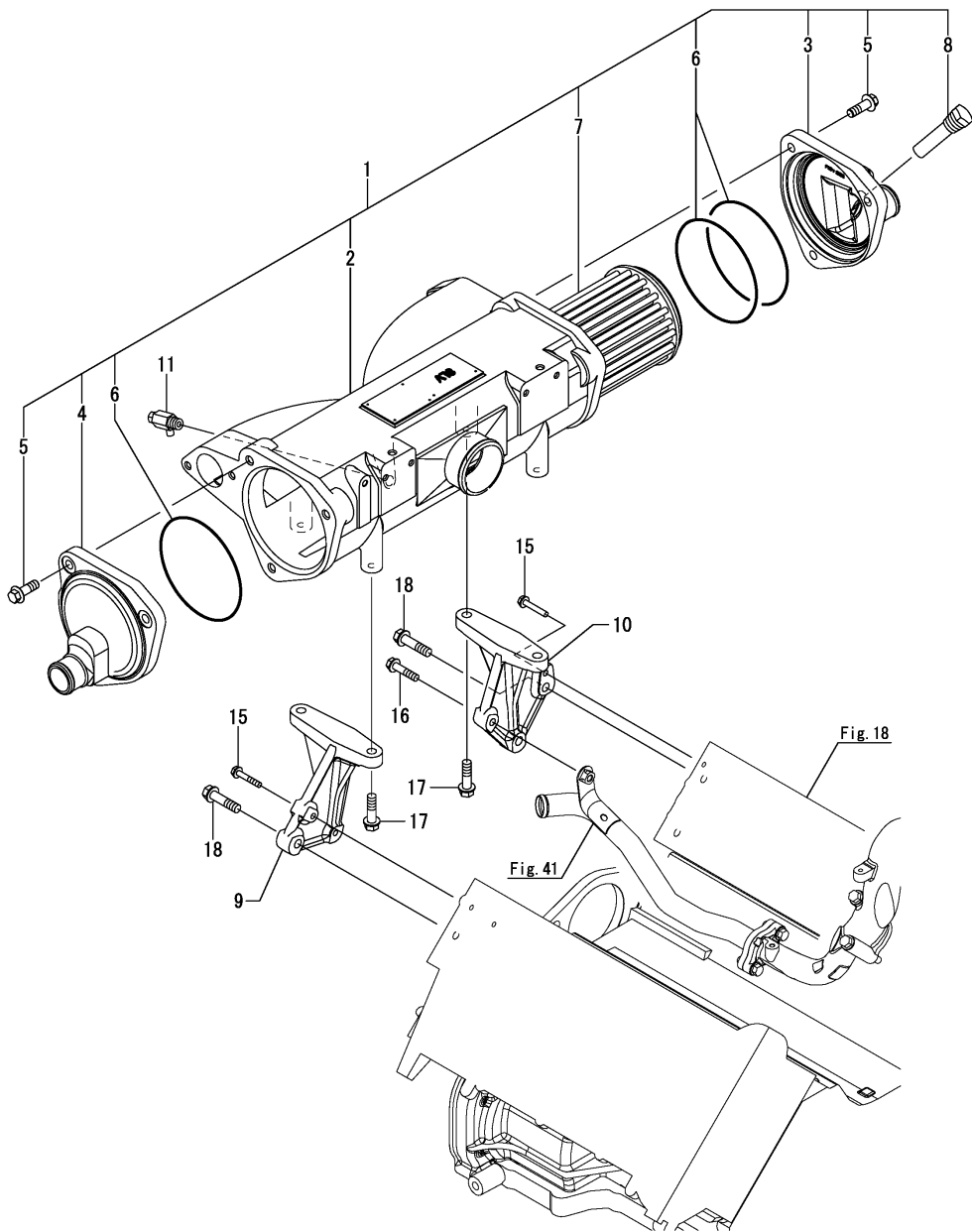
Fig.13. EXHAUST BEND & MIXING ELBOW(8LV320Z,350Z,370Z)



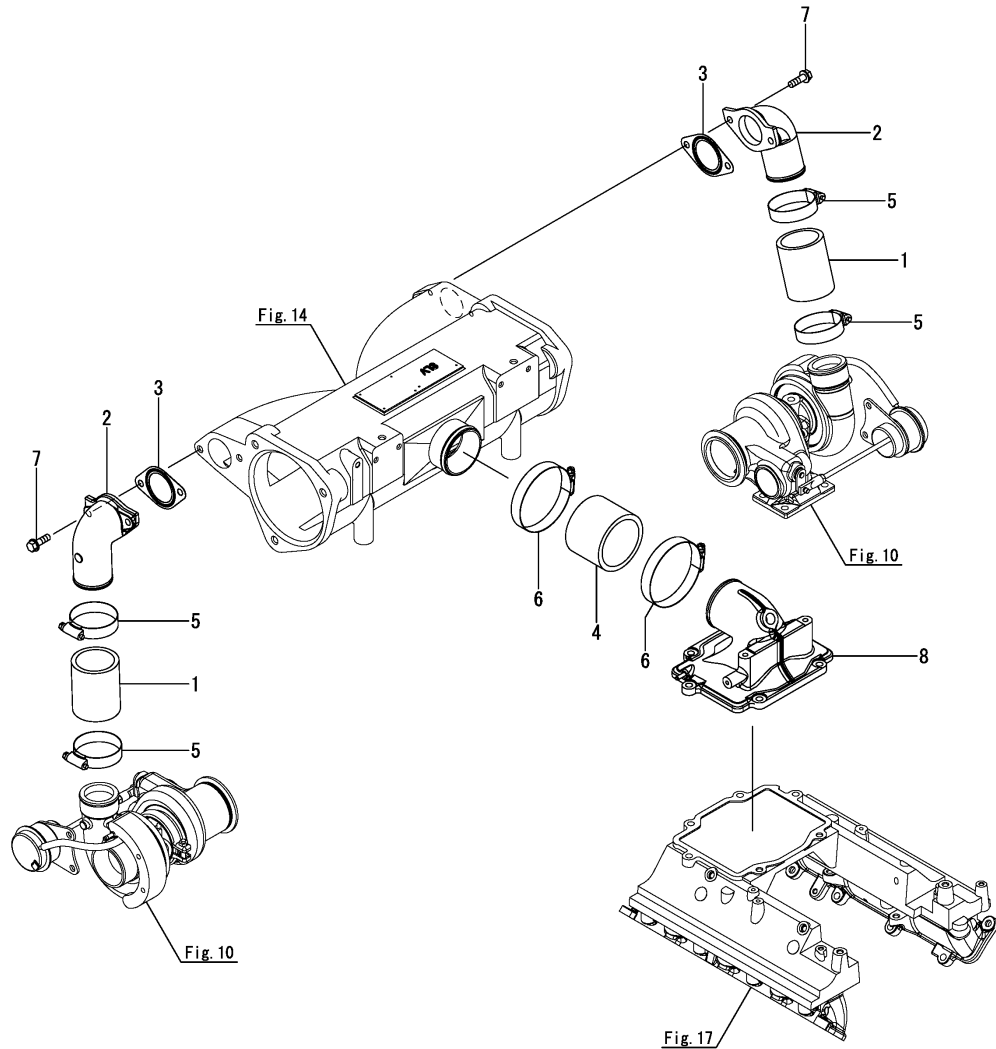
Remarks
(1)Optional parts.(Transom exhaust)

(A)=8LV320 (D)=8LV320Z
(B)=8LV350 (E)=8LV350Z
(C)=8LV370 (F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-13200	BELLOWS,EXHAUST				1	1	1		
2	1	119798-13450	V-CLAMP				3	3	3		
3	1	119798-13510	BEND ASSY,EXHAUST				1	1	1		
5	2	119798-13530	INSULATOR, EXH BEND				1	1	1		
6	1	119798-13581	INSULATOR,BELLOWS				1	1	1		
7	1	119798-13750	BRACKET,EXH. BEND				1	1	1		
8	1	22113-080000	WASHER 8				2	2	2		
9	1	26106-080202	BOLT M 8X 20 PLATED				3	3	3		
10	1	26113-080162	BOLT M 8X 16 (STEN				2	2	2		
11	1	119773-13250	GASKET,TURBOCHARGER				2	2	2		
12	1	119773-13300	V-CLAMP				2	2	2		
13	1	119799-13350	EXH BEND CMP				1	1	1		
15	2	119799-13370	HEAT INSULATOR				1	1	1		
16	1	119773-13501	ELBOW, MIXING				1	1	1		
17	1	119799-13550	BRACKET,BEND				1	1	1		
18	1	119799-13650	EXHAUST PIPE, MIX				1	1	1		
19	1	119175-13800	RUBBER JOINT				2	2	2		
20	1	119799-18720	SUPPORT				1	1	1		
21	1	119172-48010	CLIP, HOSE				8	8	8		
22	1	22113-080000	WASHER 8				3	3	3		
23	1	23414-130000	GASKET 13, ROUND				1	1	1		
24	1	23893-020002	PLUG PF1/4				1	1	1		
25	1	26106-080162	BOLT M 8X 16 PLATED				2	2	2		
26	1	26113-080162	BOLT M 8X 16 (STEN				3	3	3		
27	1	119799-13640	EXHAUST PIPE, D				1	1	1		
28	1	22113-100000	WASHER 10				4	4	4		
29	1	26453-100302	BOLT M10X30				4	4	4		
30	1	119773-13250	GASKET,TURBOCHARGER				2	2	2		1
31	1	119773-13300	V-CLAMP				2	2	2		1
32	1	119799-13350	EXH BEND CMP				1	1	1		1
34	2	119799-13370	HEAT INSULATOR				1	1	1		1
35	1	119773-13501	ELBOW, MIXING				1	1	1		1
36	1	119799-13560	BRACKET,BEND				1	1	1		1
37	1	119172-48480	CLIP, HOSE				2	2	2		1
38	1	119775-48640	BEND, ELBOW				1	1	1		1
39	1	119799-49780	HOSE, MIXING IN				1	1	1		1
40	1	22113-080000	WASHER 8				3	3	3		1
41	1	23414-130000	GASKET 13, ROUND				1	1	1		1
42	1	23893-020002	PLUG PF1/4				1	1	1		1
43	1	26113-080162	BOLT M 8X 16 (STEN				3	3	3		1

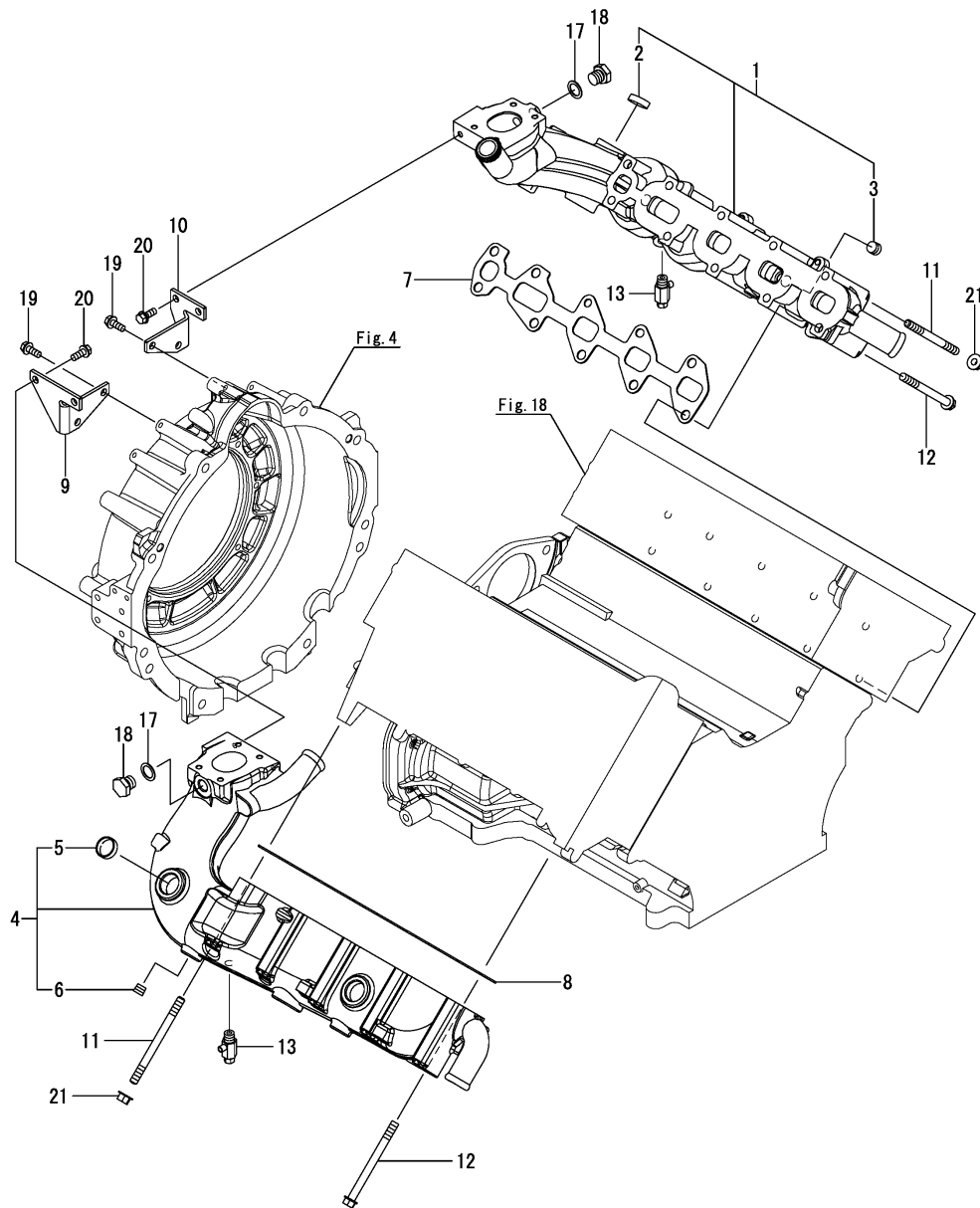


REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-18460	CHARGE AIR COOLER	1	1	1	1	1	1		
2	2	119798-18400	CYLINDER MACHINED	1	1	1	1	1	1		
3	2	119798-18420	HEADER MACHINED	1	1	1	1	1	1		
4	2	119798-18430	HEADER MACHINED	1	1	1	1	1	1		
5	2	119798-18440	HEX HD FLANGE BOLT	6	6	6	6	6	6		
6	2	119798-18450	O RING	3	3	3	3	3	3		
7	2	119798-18470	TUBESTACK	1	1	1	1	1	1		
8	2	119574-18790	ZINC, ANTI-CORROSIVE	1	1	1	1	1	1		
9	1	119798-18550	BRACKET A,CAC	1	1	1	1	1	1		
10	1	119798-18560	BRACKET B,CAC	1	1	1	1	1	1		
11	1	119620-49290	COCK ASSY	1	1	1	1	1	1		
15	1	26106-060352	BOLT M 6X 35 PLATED	3	3	3	3	3	3		
16	1	26106-080352	BOLT M 8X 35 PLATED	1	1	1	1	1	1		
17	1	26106-100352	BOLT M10X 35 PLATED	4	4	4	4	4	4		
18	1	26136-100402	BOLT M10X 40	3	3	3	3	3	3		



0CR10-G82200 15. AIR DUCT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-18621	HOSE,T/C OUT	2	2	2	2	2	2		
2	1	119798-18630	DUCT A,AIR	2	2	2	2	2	2		
3	1	119798-18640	GASKET,CAC IN	2	2	2	2	2	2		
4	1	119798-18780	HOSE,AIR DUCT	1	1	1	1	1	1		
5	1	127488-18910	CLIP	4	4	4	4	4	4		
6	1	127687-18910	CLAMP	2	2	2	2	2	2		
7	1	26106-080252	BOLT M 8X 25 PLATED	4	4	4	4	4	4		
8	1	119798-18500	DUCT B,AIR	1	1	1	1	1	1		



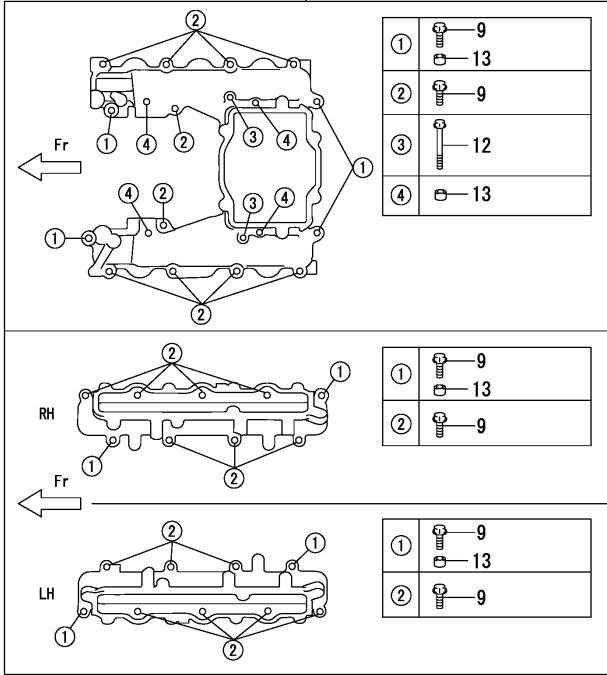
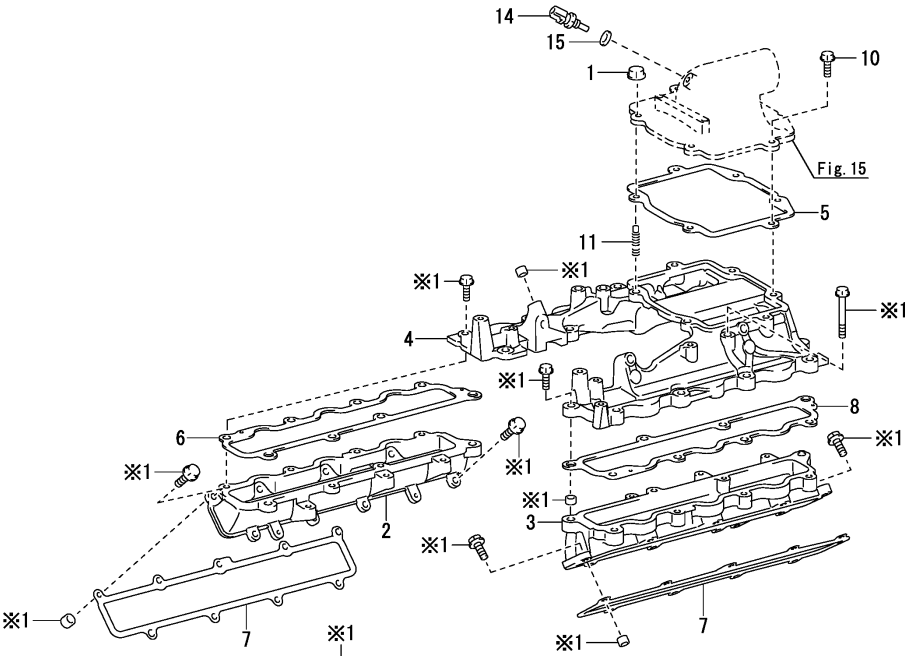
0CR10-G82200 16. EXHAUST MANIFOLD

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

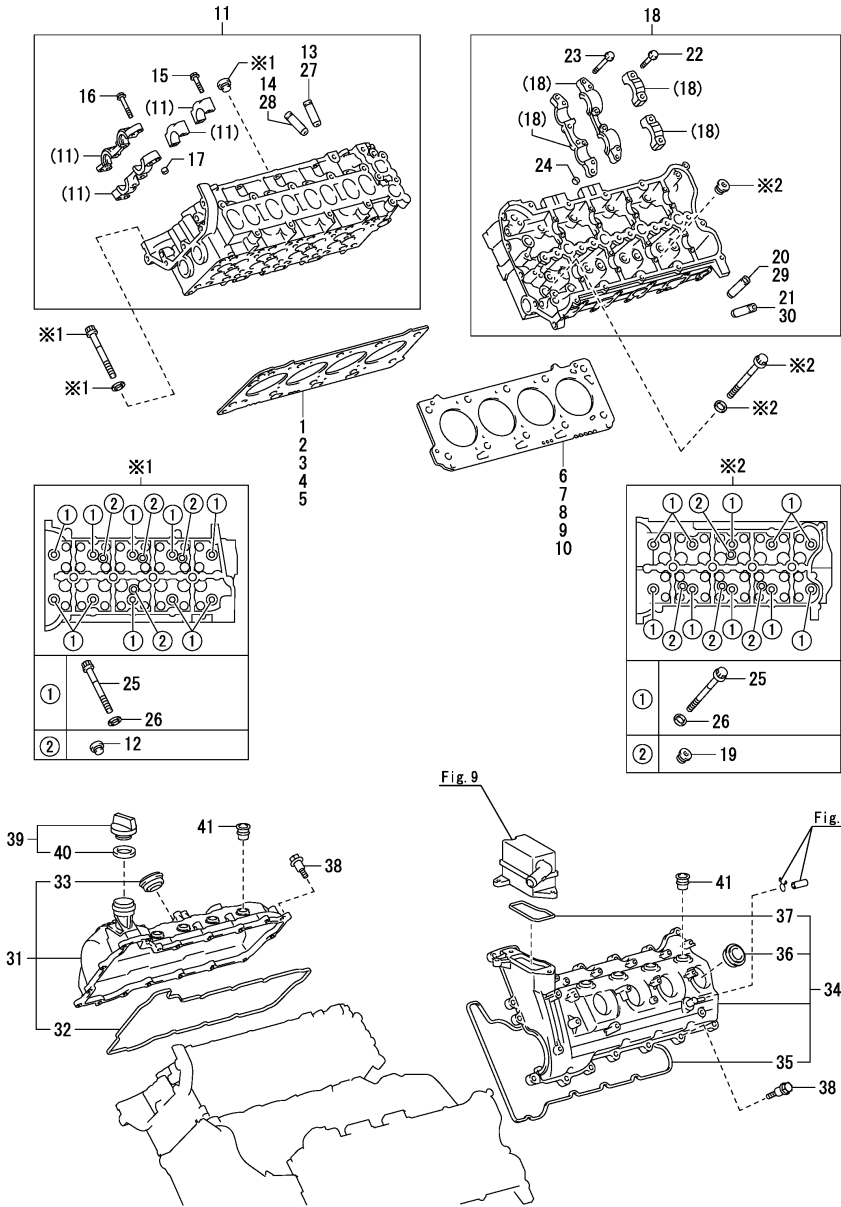
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-13010	EXHAUST MANIFOLD,LH	1	1	1	1	1	1		
2	2	119773-13160	PLUG, 28	6	6	6	6	6	6		
3	2	23876-030000	PLUG PT3/8,SCREW	2	2	2	2	2	2		
4	1	119798-13050	EXHAUST MANIFOLD,RH	1	1	1	1	1	1		
5	2	119773-13160	PLUG, 28	6	6	6	6	6	6		
6	2	23876-030000	PLUG PT3/8,SCREW	2	2	2	2	2	2		
7	1	119798-13220	GASKET,EXHAUST MANIF	1	1	1	1	1	1		
8	1	119798-13230	GASKET,EXHAUST MANIF	1	1	1	1	1	1		
9	1	119798-13640	BRACKET,EHX.MANI RH	1	1	1	1	1	1		
10	1	119798-13650	BRACKET,EXH.MANI LH	1	1	1	1	1	1		
11	1	119798-13810	BOLT, STUD	4	4	4	4	4	4		
12	1	119798-13820	BOLT	16	16	16	16	16	16		
13	1	119620-49290	COCK ASSY	2	2	2	2	2	2		
17	1	23414-170000	GASKET 17, ROUND	2	2	2	2	2	2		
18	1	23894-030002	PLUG G3/8,HEX.	2	2	2	2	2	2		
19	1	26106-080182	BOLT M 8X 18 PLATED	4	4	4	4	4	4		
20	1	26106-080202	BOLT M 8X 20 PLATED	4	4	4	4	4	4		
21	1	26376-100002	U-NUT M10	4	4	4	4	4	4		

Fig.17. SUCTION MANIFOLD



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01800	NUT M8	2	2	2	2	2	2		
2	1	119798-12010	MANIFOLD,INTAKE	1	1	1	1	1	1		
3	1	119798-12020	MANIFOLD,INTAKE,NO.2	1	1	1	1	1	1		
4	1	119798-12030	MANIFOLD,INTAKE,NO.3	1	1	1	1	1	1		
5	1	119798-12040	GASKET,INTAKE FLANGE	1	1	1	1	1	1		
6	1	119798-12050	GASKET,INTAKE MANIFO	1	1	1	1	1	1		
7	1	119798-12060	GASKET,INTAKE HEAD	2	2	2	2	2	2		
8	1	119798-12070	GASKET,INTAKE MANIFO	1	1	1	1	1	1		
9	1	119798-14150	BOLT M8XL25	32	32	32	32	32	32		
10	1	119798-14150	BOLT M8XL25	4	4	4	4	4	4		
11	1	119798-33060	STUD, HEXALOBULAR	2	2	2	2	2	2		
12	1	119798-49720	BOLT,FLANGE M8XL70	2	2	2	2	2	2		
13	1	119770-90020	PIN, LINK	12	12	12	12	12	12		
14	1	119798-91630	SENSOR,INLET AIR TEM	1	1	1	1	1	1		
15	1	119798-91640	GASKET	1	1	1	1	1	1		

Fig.18. CYLINDER HEAD



Remarks
(1)Please refer to the introduction
for how to choose.
(2)Over sized(O.S.=0.05)parts.

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01300	GASKET,CYLINDER RH A	1	1	1	1	1	1	1	1
2	1	119798-01310	GASKET,CYLINDER RH B	1	1	1	1	1	1	1	1
3	1	119798-01320	GASKET,CYLINDER RH C	1	1	1	1	1	1	1	1
4	1	119798-01330	GASKET,CYLINDER RH D	1	1	1	1	1	1	1	1
5	1	119798-01340	GASKET,CYLINDER RH E	1	1	1	1	1	1	1	1
6	1	119798-01350	GASKET,CYLINDER LH A	1	1	1	1	1	1	1	1
7	1	119798-01360	GASKET,CYLINDER LH B	1	1	1	1	1	1	1	1
8	1	119798-01370	GASKET,CYLINDER LH C	1	1	1	1	1	1	1	1
9	1	119798-01380	GASKET,CYLINDER LH D	1	1	1	1	1	1	1	1
10	1	119798-01390	GASKET,CYLINDER LH E	1	1	1	1	1	1	1	1
11	1	119798-11010	HEAD ASSY,CYLINDER R	1	1	1	1	1	1	1	1
12	2	119798-11050	PLUG,W/HEAD STRAIGHT	4	4	4	4	4	4	4	4
13	2	119798-11060	BUSH,VALVE GUIDE STD	8	8	8	8	8	8	8	8
14	2	119798-11060	BUSH,VALVE GUIDE STD	8	8	8	8	8	8	8	8
15	2	119798-11080	BOLT M6XL30	8	8	8	8	8	8	8	8
16	2	119798-11090	BOLT M8XL60	2	2	2	2	2	2	2	2
17	2	119770-90020	PIN, LINK	2	2	2	2	2	2	2	2
18	1	119798-11020	HEAD ASSY,CYLINDER L	1	1	1	1	1	1	1	1
19	2	119798-11050	PLUG,W/HEAD STRAIGHT	4	4	4	4	4	4	4	4
20	2	119798-11060	BUSH,VALVE GUIDE STD	8	8	8	8	8	8	8	8
21	2	119798-11060	BUSH,VALVE GUIDE STD	8	8	8	8	8	8	8	8
22	2	119798-11080	BOLT M6XL30	8	8	8	8	8	8	8	8
23	2	119798-11090	BOLT M8XL60	2	2	2	2	2	2	2	2
24	2	119770-90020	PIN, LINK	2	2	2	2	2	2	2	2
25	1	119798-11030	BOLT,CYLINDER HEAD	20	20	20	20	20	20	20	20
26	1	119798-11040	SPACER	20	20	20	20	20	20	20	20
27	1	119798-11070	BUSH,VALVE GUIDE OS	8	8	8	8	8	8	8	2
28	1	119798-11070	BUSH,VALVE GUIDE OS	8	8	8	8	8	8	8	2
29	1	119798-11070	BUSH,VALVE GUIDE OS	8	8	8	8	8	8	8	2
30	1	119798-11070	BUSH,VALVE GUIDE OS	8	8	8	8	8	8	8	2
31	1	119798-11210	COVER ASY,CYLNDER RH	1	1	1	1	1	1	1	1
32	2	119798-11240	GASKET,HEAD COVER RH	1	1	1	1	1	1	1	1
33	2	119798-11260	GASKET,HC INJECTOR	4	4	4	4	4	4	4	4
34	1	119798-11220	COVER ASY,CYLINDER LH	1	1	1	1	1	1	1	1
35	2	119798-11250	GASKET,HEAD COVER LH	1	1	1	1	1	1	1	1
36	2	119798-11260	GASKET,HC INJECTOR	4	4	4	4	4	4	4	4
37	2	119798-11290	GASKET,OIL SEPARATOR	1	1	1	1	1	1	1	1
38	1	119798-11230	BOLT M6	18	18	18	18	18	18	18	18
39	1	119798-11270	CAP ASSY,OIL FILLER	1	1	1	1	1	1	1	1
40	2	119798-11280	GASKET,OIL FILLER CA	1	1	1	1	1	1	1	1
41	1	119798-11300	SEAL,NOZZLE HOLDER	8	8	8	8	8	8	8	8

[illegible]

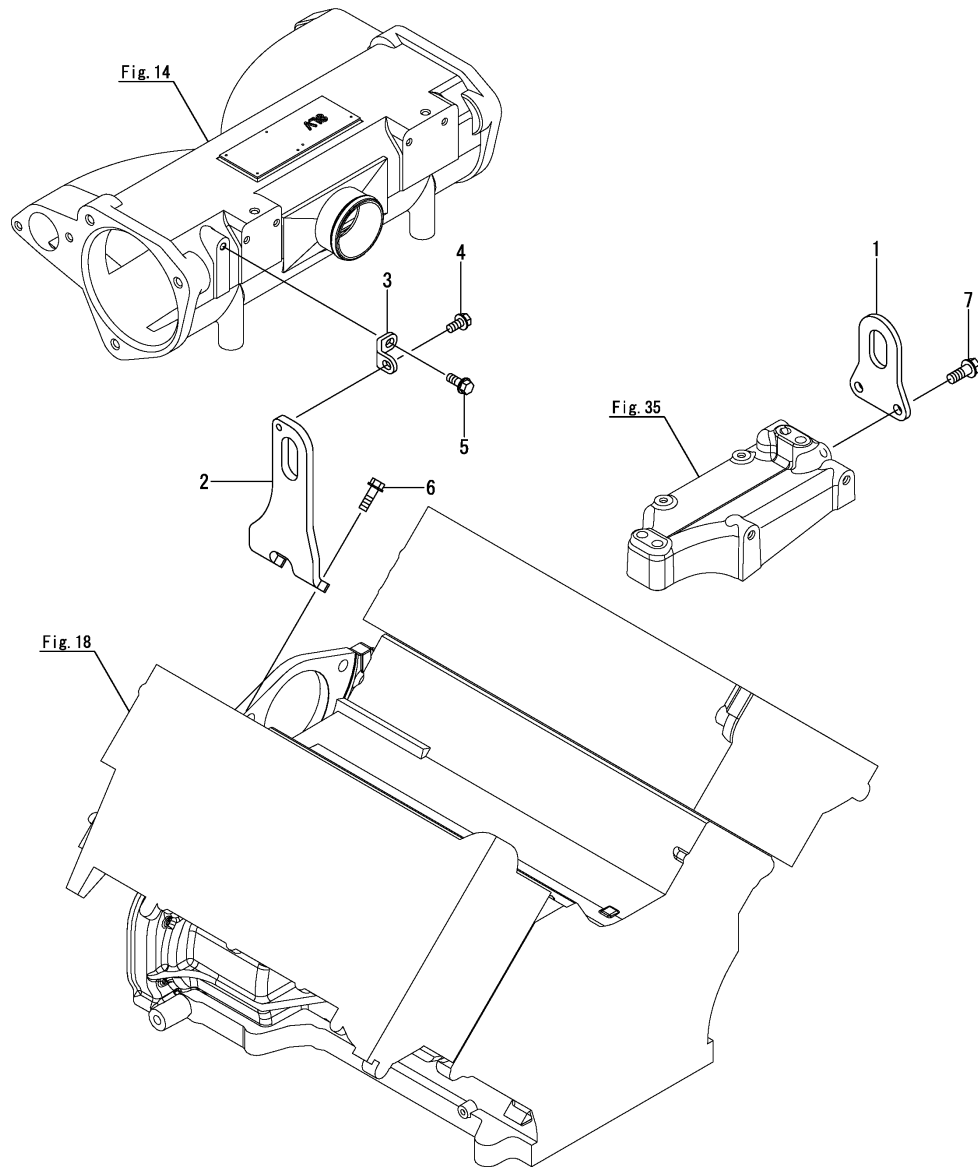
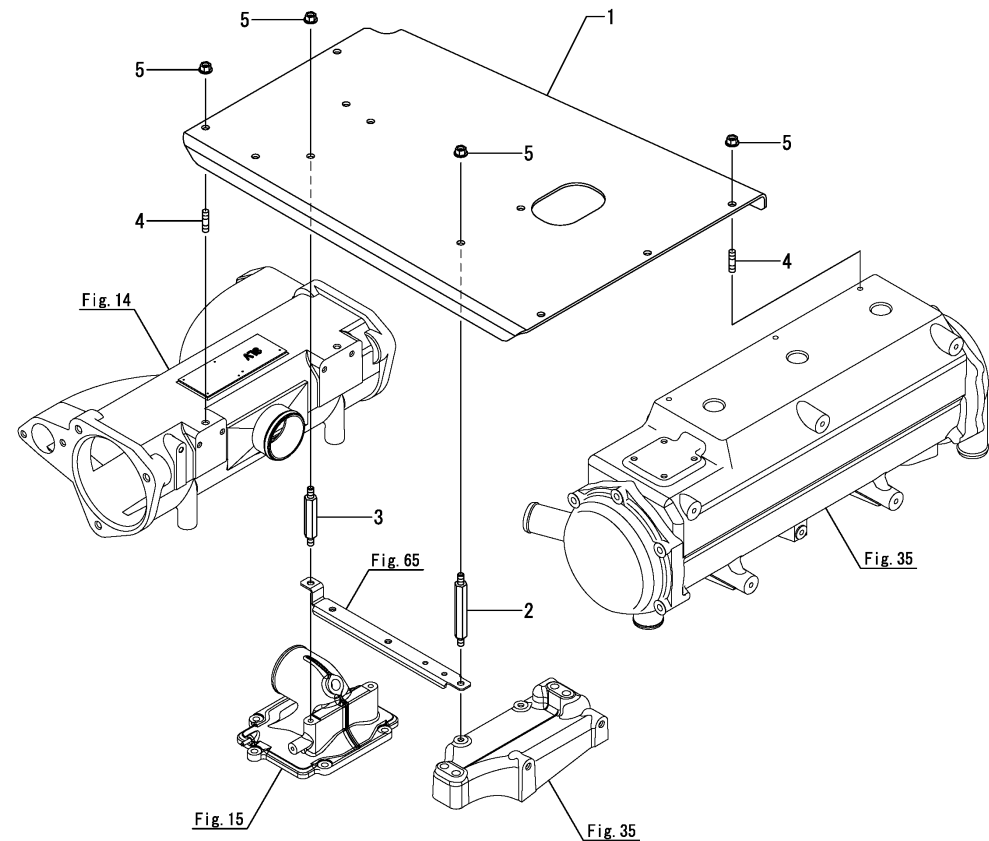
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Fig.21. TOP COVER

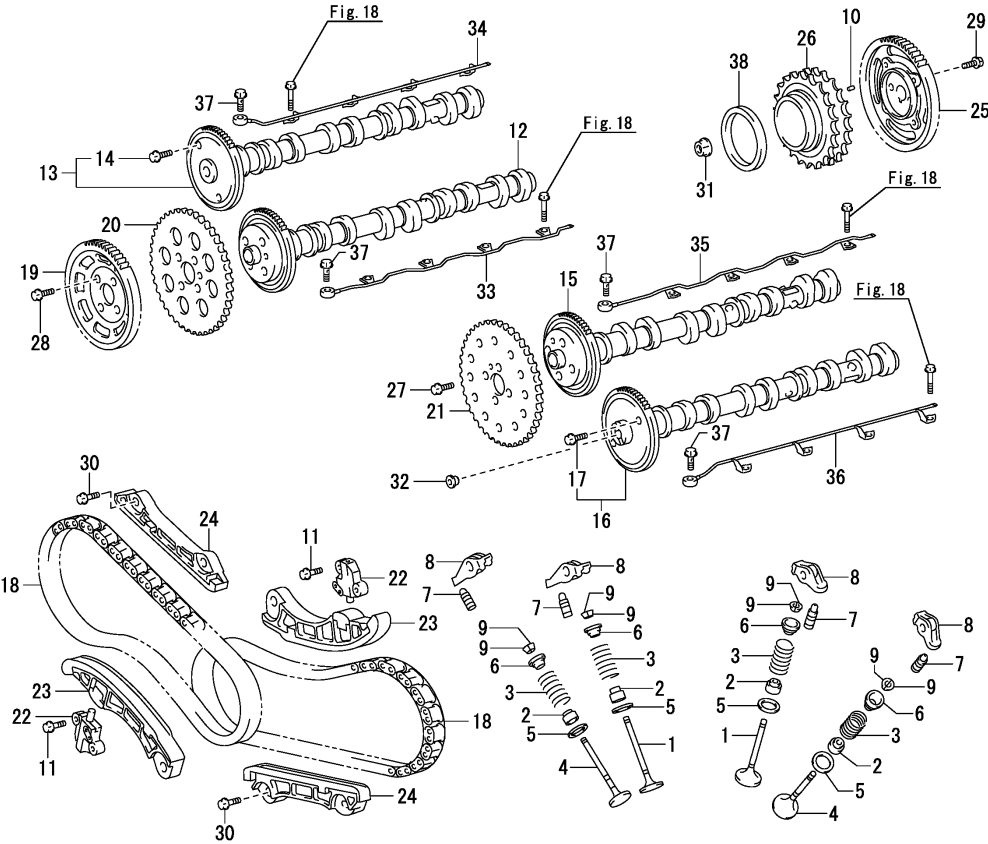


OCR10-G82200 21. TOP COVER

(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-09320	COVER, TOP	1	1	1	1	1	1		
2	1	119798-09330	BOLT, TOP COVER A	2	2	2	2	2	2		
3	1	119798-09340	BOLT, TOP COVER B	2	2	2	2	2	2		
4	1	26226-080162	STUD	5	5	5	5	5	5		
5	1	26366-080002	NUT M 8	9	9	9	9	9	9		

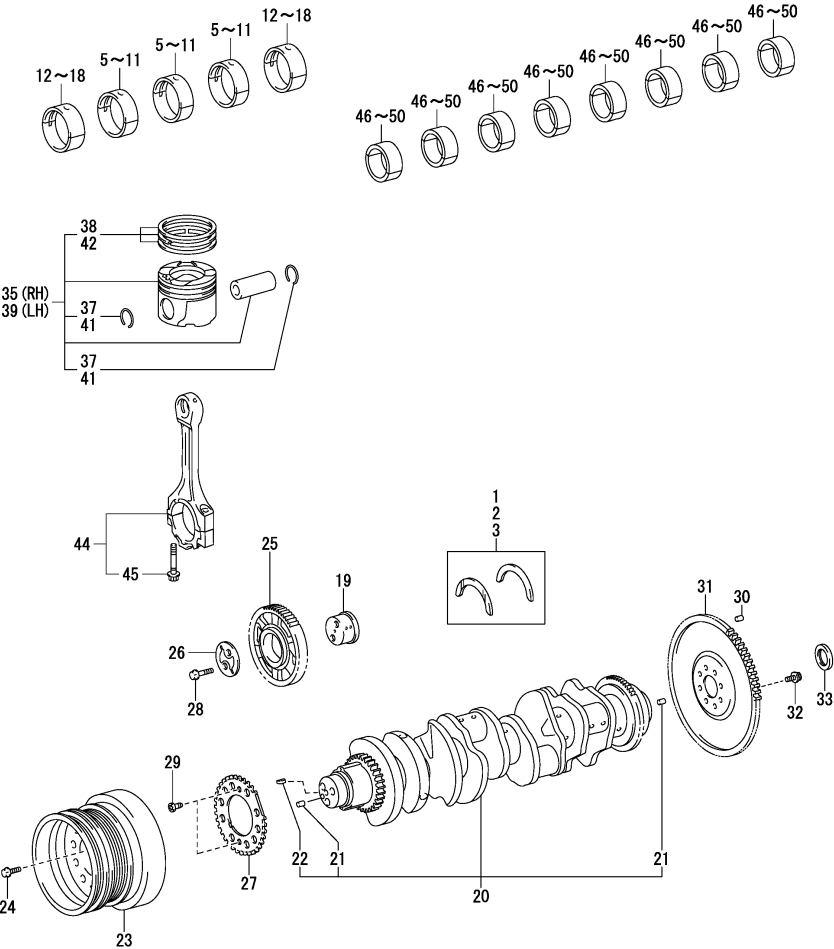
Fig.22. CAMSHAFT



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-11100	VALVE, INTAKE	16	16	16	16	16	16		
2	1	119798-11110	SEAL, VALVE STEM OIL	32	32	32	32	32	32		
3	1	119798-11120	SPRING, COMPRESSION	32	32	32	32	32	32		
4	1	119798-11130	VALVE, EXHAUST	16	16	16	16	16	16		
5	1	119798-11140	SEAT, VALVE SPRING	32	32	32	32	32	32		
6	1	119798-11150	RETAINER, VALVE SPRIN	32	32	32	32	32	32		
7	1	119798-11160	ADJUSTER ASSY, VALVE	32	32	32	32	32	32		
8	1	119798-11170	ARM ASY, VALVE ROCKER	32	32	32	32	32	32		
9	1	119798-11200	LOCK, VALVE SPRING RE	64	64	64	64	64	64		
10	1	119798-01080	PIN, STRAIGHT L12,D4	1	1	1	1	1	1		
11	1	119798-11080	BOLT M6XL30	4	4	4	4	4	4		
12	1	119798-14010	CAMSHAFT ASSY, NO.1	1	1	1	1	1	1		
13	1	119798-14020	CAMSHAFT ASSY, NO.2	1	1	1	1	1	1		
14	2	119798-14140	BOLT M6XL16	1	1	1	1	1	1		
15	1	119798-14030	CAMSHAFT ASSY, NO.3	1	1	1	1	1	1		
16	1	119798-14040	CAMSHAFT ASSY, NO.4	1	1	1	1	1	1		
17	2	119798-14140	BOLT M6XL16	1	1	1	1	1	1		
18	1	119798-14050	CHAIN SUB-ASSY	2	2	2	2	2	2		
19	1	119798-14060	GEAR, PUMP DRIVE SHAF	1	1	1	1	1	1		
20	1	119798-14070	SPROCKET, CAMSHAFT TI	1	1	1	1	1	1		
21	1	119798-14080	SPROCKET, CAMSHAFT 2	1	1	1	1	1	1		
22	1	119798-14090	TENSIONER ASSY, CHAIN	2	2	2	2	2	2		
23	1	119798-14100	SLIPPER, CHAIN TENS	2	2	2	2	2	2		
24	1	119798-14110	DAMPER, CHAIN VIBRATI	2	2	2	2	2	2		
25	1	119798-14120	GEAR, INJECTION PUMP	1	1	1	1	1	1		
26	1	119798-14130	GEAR, INJECTION PUMP	1	1	1	1	1	1		
27	1	119798-14150	BOLT M8XL25	4	4	4	4	4	4		
28	1	119798-14150	BOLT M8XL25	4	4	4	4	4	4		
29	1	119798-14160	BOLT M8XL20	4	4	4	4	4	4		
30	1	119798-14170	BOLT M8XL30	4	4	4	4	4	4		
31	1	119798-14180	NUT M14X1.5	1	1	1	1	1	1		
32	1	119798-14190	PLUG, HOLE	1	1	1	1	1	1		
33	1	119798-39410	PIPE ASSY, CAMSHAFT 1	1	1	1	1	1	1		
34	1	119798-39420	PIPE ASSY, CAMSHAFT 2	1	1	1	1	1	1		
35	1	119798-39430	PIPE ASSY, CAMSHAFT 3	1	1	1	1	1	1		
36	1	119798-39440	PIPE ASSY, CAMSHAFT 4	1	1	1	1	1	1		
37	1	119798-39450	BOLT M8XL19	4	4	4	4	4	4		
38	1	119770-90540	BEARING	1	1	1	1	1	1		

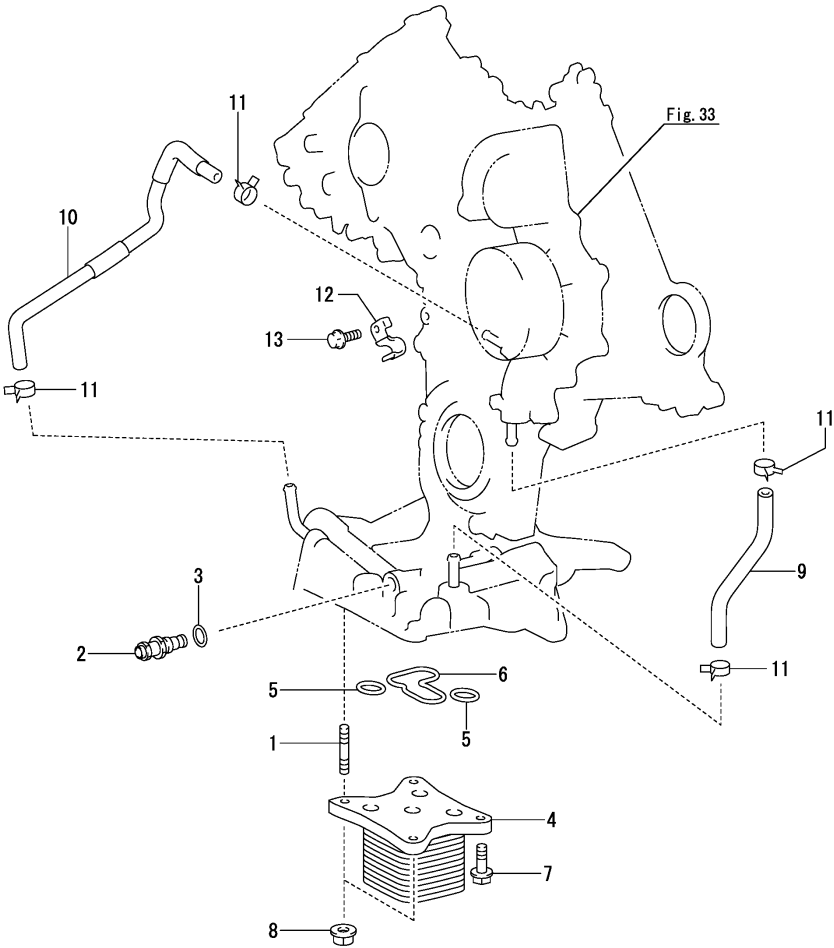
Fig.23. CRANKSHAFT & PISTON



Remarks
(1)Over sized(O.S.=0.125)parts.
(2)Over sized(O.S.=0.250)parts.
(3)Please refer to the introduction
for the combination of how to choose.
(4)For the right head.
(5)For the left head.

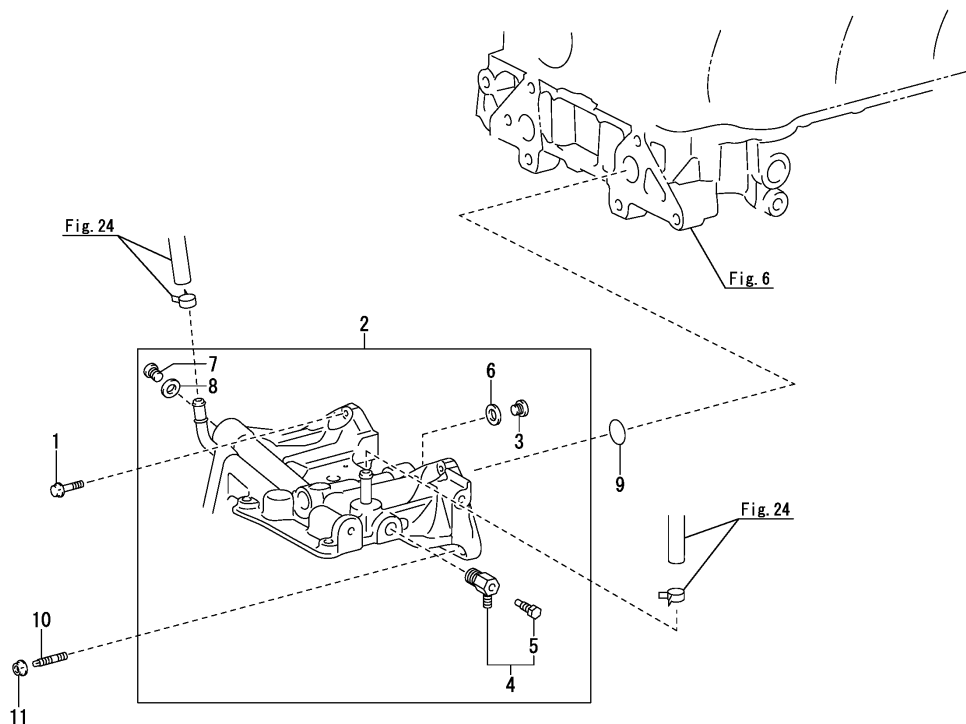
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-02110	WASHER,CRANK STD	1	1	1	1	1	1		
2	1	119798-02120	WASHER,CRANK OS.0.125	1	1	1	1	1	1		1
3	1	119798-02130	WASHER,CRANK OS.0.25	1	1	1	1	1	1		2
5	1	119798-02150	BEARING,CRANK MK1 2	3	3	3	3	3	3		3
6	1	119798-02160	BEARING,CRANK MK2 2	3	3	3	3	3	3		3
7	1	119798-02170	BEARING,CRANK MK3 2	3	3	3	3	3	3		3
8	1	119798-02180	BEARING,CRANK MK4 2	3	3	3	3	3	3		3
9	1	119798-02190	BEARING,CRANK MK5 2	3	3	3	3	3	3		3
10	1	119798-02200	BEARING,CRANK MK6 2	3	3	3	3	3	3		3
11	1	119798-02210	BEARING,CRANK MK7 2	3	3	3	3	3	3		3
12	1	119798-02220	BEARING,CRANK MK1 1	2	2	2	2	2	2		3
13	1	119798-02230	BEARING,CRANK MK2 1	2	2	2	2	2	2		3
14	1	119798-02240	BEARING,CRANK MK3 1	2	2	2	2	2	2		3
15	1	119798-02250	BEARING,CRANK MK4 1	2	2	2	2	2	2		3
16	1	119798-02260	BEARING,CRANK MK5 1	2	2	2	2	2	2		3
17	1	119798-02270	BEARING,CRANK MK6 1	2	2	2	2	2	2		3
18	1	119798-02280	BEARING,CRANK MK7 1	2	2	2	2	2	2		3
19	1	119771-00151	SHAFT, IDLE GEAR	1	1	1	1	1	1		
20	1	119798-21010	CRANKSHAFT	1	1	1	1	1	1		
21	2	119798-21020	PIN, STRAIGHT D8XL15	2	2	2	2	2	2		
22	2	119770-90440	KEY	1	1	1	1	1	1		
23	1	119798-21030	PULLEY,CRANKSHAFT	1	1	1	1	1	1		
24	1	119798-21040	BOLT M12X1.25XL45	3	3	3	3	3	3		
25	1	119798-21050	GEAR,IDLE	1	1	1	1	1	1		
26	1	119798-21060	PLATE,IDLE GEAR THRU	1	1	1	1	1	1		
27	1	119798-21080	PLATE,CRANK ANGLE SE	1	1	1	1	1	1		
28	1	119798-21090	BOLT M10X1.25XL50	2	2	2	2	2	2		
29	1	119798-21100	BOLT M6XL9	2	2	2	2	2	2		
30	1	119798-01050	PIN,STRAIGHT L22,D10	2	2	2	2	2	2		
31	1	119798-21210	FLYWHEEL SUB-ASSY	1	1	1	1	1	1		
32	1	119798-21220	BOLT,FLYWHEEL M14X30	8	8	8	8	8	8		
33	1	119798-21230	BEARING ,RADIAL BALL	1	1	1	1	1	1		
35	1	119798-22110	PISTON ASSY,W/RING R	4	4	4	4	4	4		4
37	3	119798-22030	RING, HOLE SNAP	8	8	8	8	8	8		4
38	2	119798-22130	RING SET, PISTON	4	4	4	4	4	4		4
39	1	119798-22120	PISTON ASSY,W/RING L	4	4	4	4	4	4		5
41	3	119798-22030	RING, HOLE SNAP	8	8	8	8	8	8		5
42	2	119798-22130	RING SET, PISTON	4	4	4	4	4	4		5
44	1	119798-23100	ROD ASSY, CONNECTING	8	8	8	8	8	8		
45	2	119798-23200	BOLT,CONNECTING ROD	16	16	16	16	16	16		
46	1	119798-23110	BEARING,CON ROD MK1	8	8	8	8	8	8		3
47	1	119798-23120	BEARING,CON ROD MK2	8	8	8	8	8	8		3
48	1	119798-23130	BEARING,CON ROD MK3	8	8	8	8	8	8		3
49	1	119798-23140	BEARING,CON ROD MK4	8	8	8	8	8	8		3
50	1	119798-23150	BEARING,CON ROD MK5	8	8	8	8	8	8		3

Fig.24. LUB.OIL COOLER



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-33060	STUD, HEXALOBULAR	2	2	2	2	2	2		
2	1	119798-33080	VALVE ASSY,OIL COOLE	1	1	1	1	1	1		
3	1	119798-33090	GASKET,OIL COOLER RE	1	1	1	1	1	1		
4	1	119798-33100	COOLER ASSY,OIL	1	1	1	1	1	1		
5	1	119798-33110	GASKET,OIL COOLER	2	2	2	2	2	2		
6	1	119798-33120	GASKET, OIL COOLER	1	1	1	1	1	1		
7	1	119798-33130	BOLT M8XL30	2	2	2	2	2	2		
8	1	119798-33140	NUT M8	2	2	2	2	2	2		
9	1	119798-49810	HOSE,OIL COOLER,NO.1	1	1	1	1	1	1		
10	1	119798-49820	HOSE,OIL COOLER,NO.2	1	1	1	1	1	1		
11	1	119798-49830	CLIP, HOSE	4	4	4	4	4	4		
12	1	119798-49850	CLAMP	1	1	1	1	1	1		
13	1	119798-49860	BOLT M6XL14	1	1	1	1	1	1		



0CR10-G82200 25. LUB.OIL COOLER COVER

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

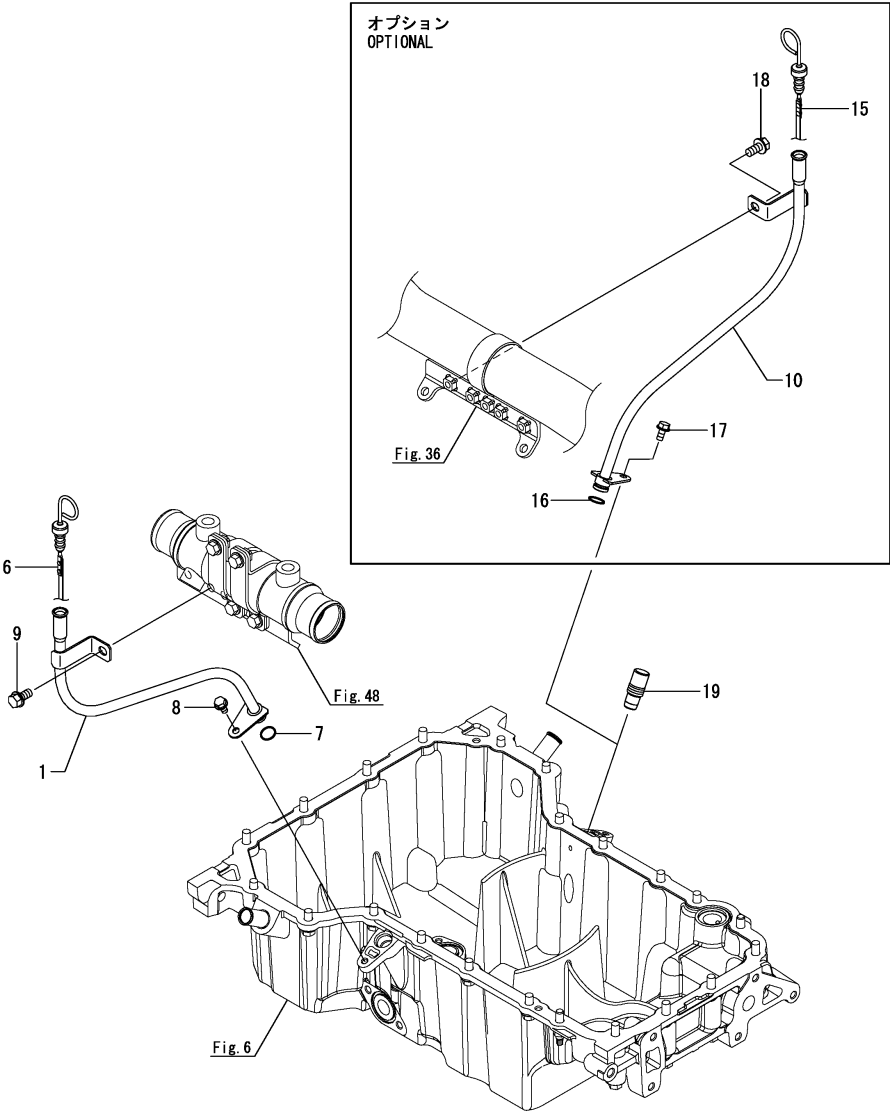
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-14150	BOLT M8XL25	3	3	3	3	3	3		
2	1	119798-33010	BRACKET ASSY,OIL COO	1	1	1	1	1	1		
3	2	119798-33020	PLUG,W/HEAD STRAIGHT	1	1	1	1	1	1		
4	2	119798-33040	COCK ASSY,DRAIN	1	1	1	1	1	1		
5	3	119798-33050	PLUG, DRAIN COCK	1	1	1	1	1	1		
6	2	119770-90690	GASKET	1	1	1	1	1	1		
7	2	119770-90970	PLUG	1	1	1	1	1	1		
8	2	119770-90980	GASKET, PUMP	1	1	1	1	1	1		
9	1	119798-33030	RING, O	1	1	1	1	1	1		
10	1	119798-33060	STUD, HEXALOBULAR	2	2	2	2	2	2		
11	1	119798-33070	NUT, FLANGE M8	2	2	2	2	2	2		

Fig.26. LUB.OIL DIPSTICK

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

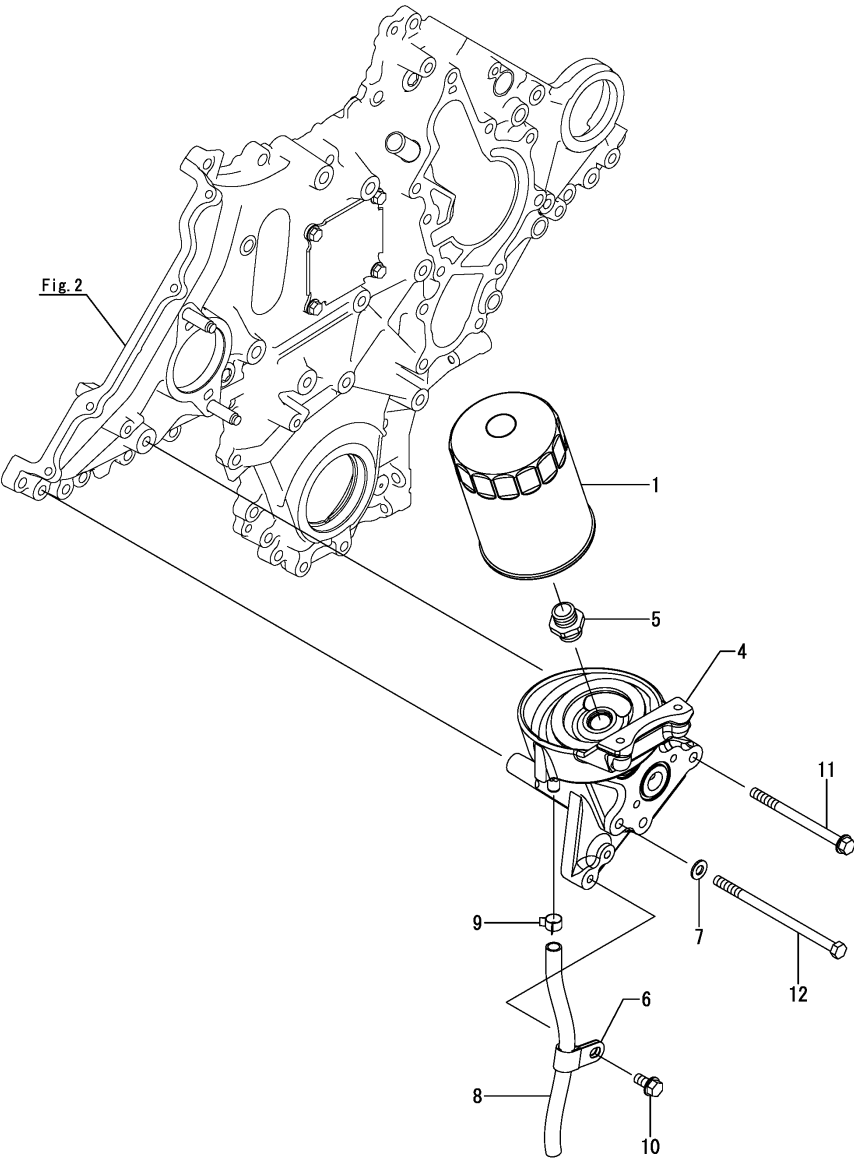
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-34100	GUIDE ASSY,DIPSTICK	1	1	1	1	1	1		
6	1	119798-34800	DIPSTICK	1	1	1	1	1	1		
7	1	24356-190130	O-RING 4D 19013	1	1	1	1	1	1		
8	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1	1	1	1		
9	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1	1	1	1		
10	1	119798-34100	GUIDE ASSY,DIPSTICK	1	1	1	1	1	1		1
15	1	119798-34800	DIPSTICK	1	1	1	1	1	1		1
16	1	24356-190130	O-RING 4D 19013	1	1	1	1	1	1		1
17	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1	1	1	1		1
18	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1	1	1	1		1
19	1	119798-34450	CAP,OIL PAN	1	1	1	1	1	1		



Remarks

(1)Optional parts.

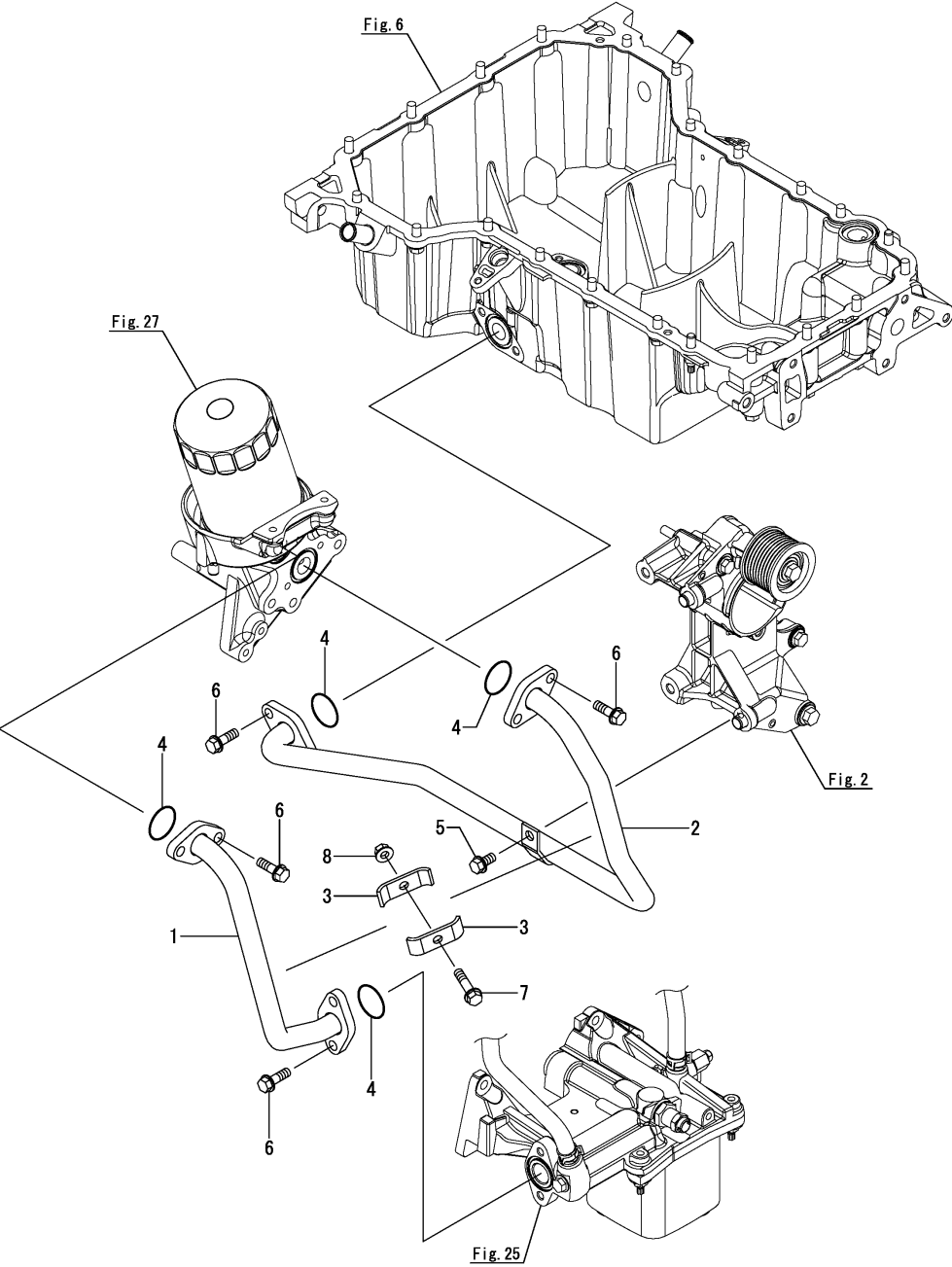
Fig.27. LUB.OIL STRAINER



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-35110	FILTER ASSY,LO REPLA	1	1	1	1	1	1		
4	1	119798-35300	BRACKET,LO FILTER	1	1	1	1	1	1		
5	1	119798-35310	UNION	1	1	1	1	1	1		
6	1	119593-39450	RETAINER	1	1	1	1	1	1		
7	1	22137-080000	WASHER 8, POLISHED	2	2	2	2	2	2		
8	1	23064-100200	PIPE 10X 350	1	1	1	1	1	1		
9	1	23080-013000	CLAMP 13,HOSE	1	1	1	1	1	1		
10	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1	1	1	1		
11	1	26106-081052	BOLT M 8X105 PLATED	1	1	1	1	1	1		
12	1	26116-081402	BOLT M 8X140 PLATED	2	2	2	2	2	2		

Fig.28. LUB.OIL PIPE(FILTER)

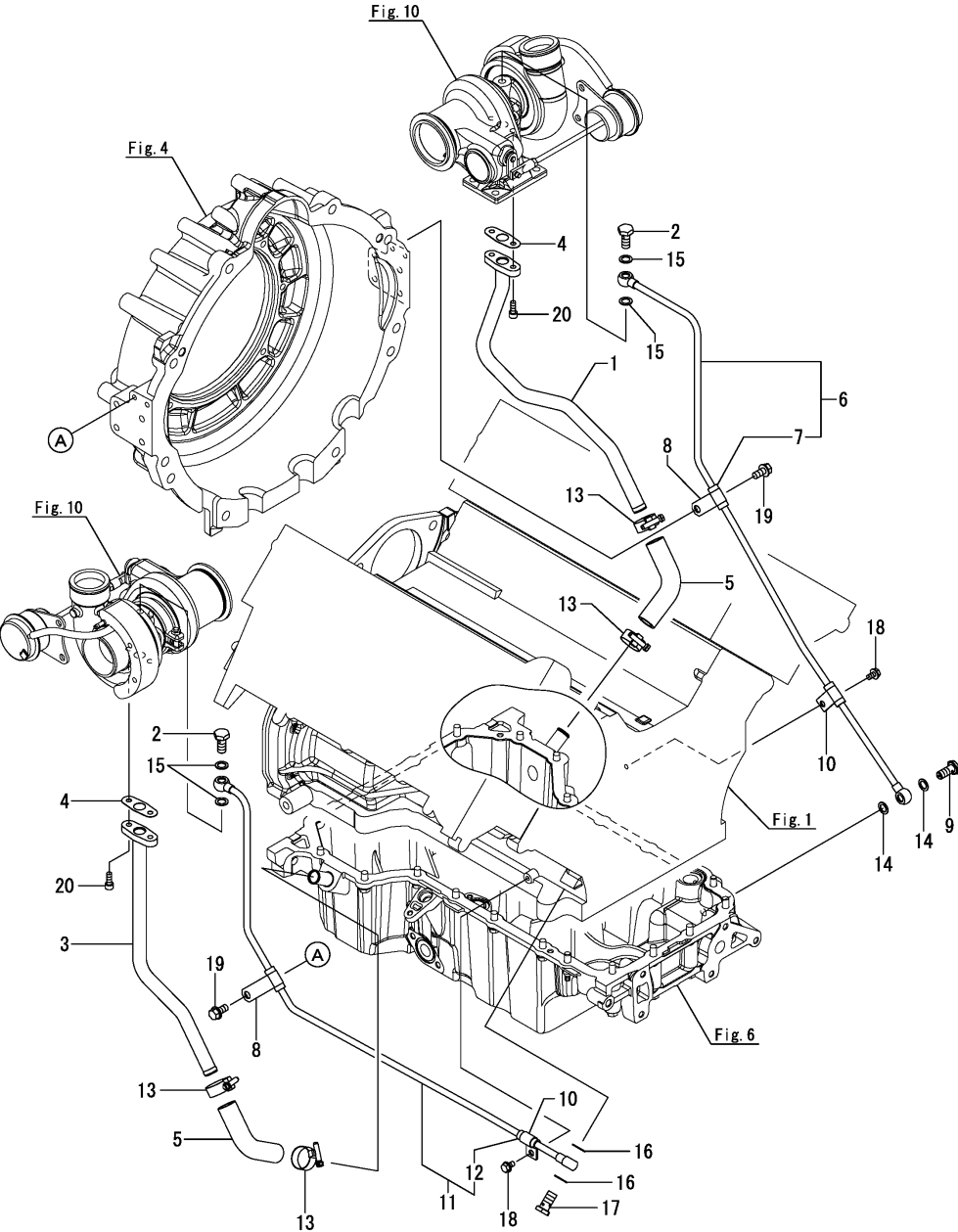


(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-39060	PIPE ASSY, LO FILTER	1	1	1	1	1	1		
2	1	119798-39070	PIPE ASSY, LO FILTER	1	1	1	1	1	1		
3	1	119593-39080	RETAINER	2	2	2	2	2	2		
4	1	24356-240310	O-RING 4D 24031	4	4	4	4	4	4		
5	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1	1	1	1		
6	1	26106-080252	BOLT M 8X 25 PLATED	8	8	8	8	8	8		
7	1	26106-080352	BOLT M 8X 35 PLATED	1	1	1	1	1	1		
8	1	26366-080002	NUT M 8	1	1	1	1	1	1		

Fig.29. LUB.OIL PIPE(TURBOCHARGER)

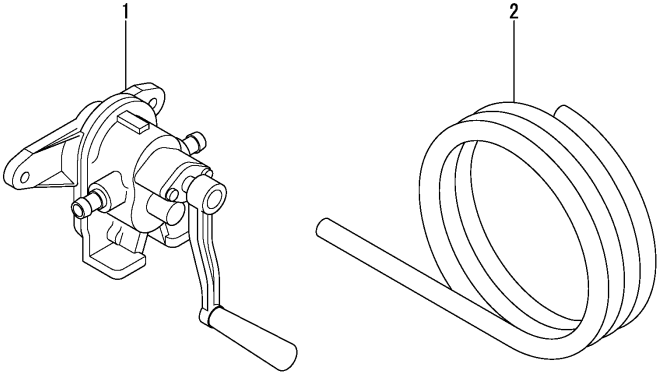


(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-39120	PIPE ASSY, LO TC LH	1	1	1	1	1	1		
2	1	119798-39130	BOLT, PIPE JOINT TC	2	2	2	2	2	2		
3	1	119798-39160	PIPE ASSY, LO TC RH	1	1	1	1	1	1		
4	1	119798-39200	GASKET,LO TC OUT	2	2	2	2	2	2		
5	1	119798-39220	HOSE,LO TC RETURN	2	2	2	2	2	2		
6	1	119798-39300	PIPE ASSY, LO TC LH	1	1	1	1	1	1		
7	2	119798-39340	PROTECTOR,LO PIPE	2	2	2	2	2	2		
8	1	119798-39320	BRACKET A,LO PIPE	2	2	2	2	2	2		
9	1	148688-39320	BOLT,BALL JOINT	1	1	1	1	1	1		
10	1	119798-39330	BRACKET B,LO PIPE	2	2	2	2	2	2		
11	1	119798-39350	PIPE ASSY, LO TC RH	1	1	1	1	1	1		
12	2	119798-39340	PROTECTOR,LO PIPE	2	2	2	2	2	2		
13	1	23000-028000	CLAMP 28	4	4	4	4	4	4		
14	1	23414-100000	GASKET 10, ROUND	2	2	2	2	2	2		
15	1	23414-100000	GASKET 10, ROUND	4	4	4	4	4	4		
16	1	23414-120000	GASKET 12, ROUND	2	2	2	2	2	2		
17	1	23857-060000	JOINT BOLT 6,PIPE	1	1	1	1	1	1		
18	1	26106-060102	BOLT 6X 10 PLATED	2	2	2	2	2	2		
19	1	26106-080162	BOLT M 8X 16 PLATED	2	2	2	2	2	2		
20	1	26450-060162	BOLT M 6X 16	4	4	4	4	4	4		

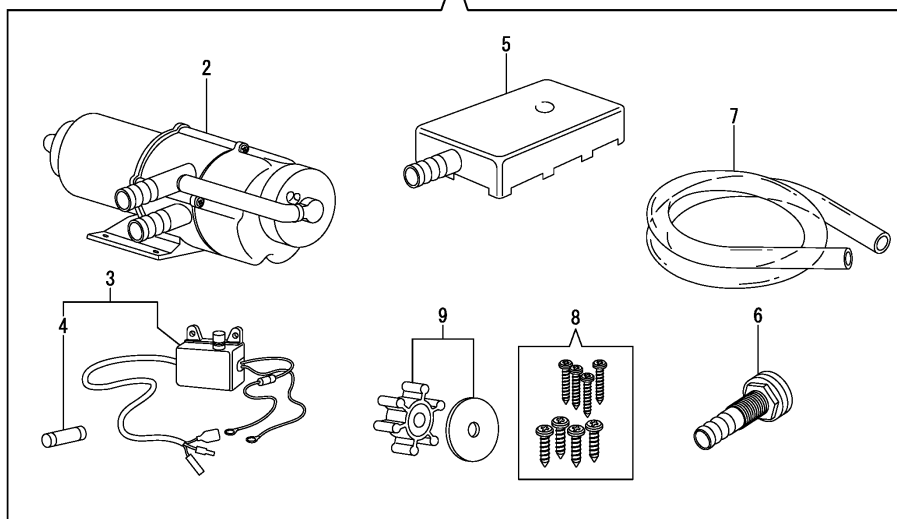
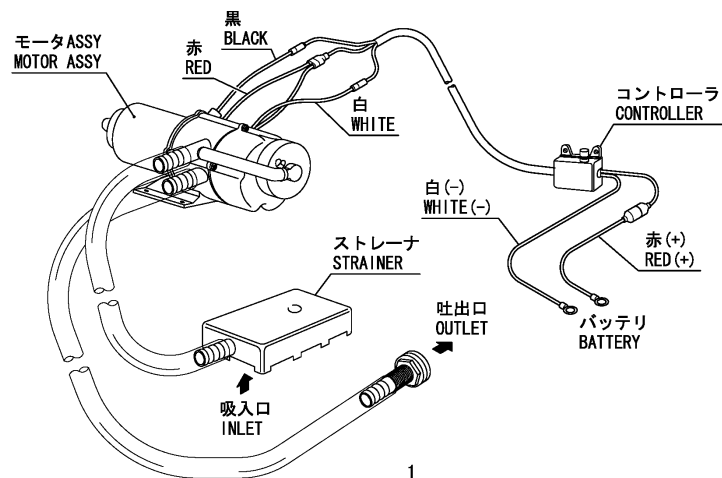
Fig.30. OIL SUCTION/DRAIN PUMP(OPTIONAL)



OCR10-G82200 30. OIL SUCTION/DRAIN PUMP(OPTIONAL)

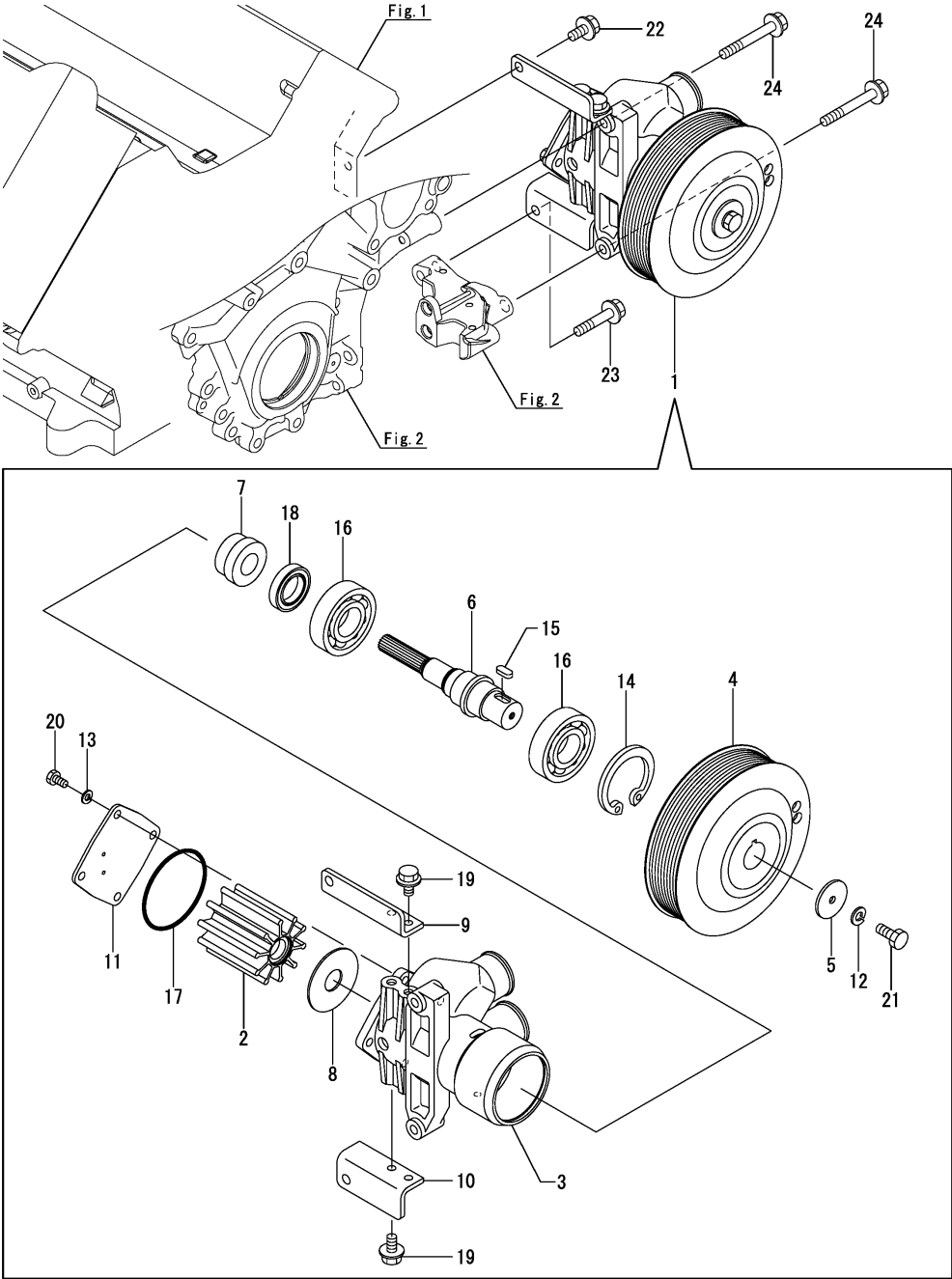
(A)=8LV320 (D)=8LV320Z
(B)=8LV350 (E)=8LV350Z
(C)=8LV370 (F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124413-39100	PUMP, OIL SUMP	1	1	1	1	1	1		
2	1	120130-39990	HOSE,OIL DRAIN 3M	1	1	1	1	1	1		



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01211	PUMP,BILGE (12V	1	1	1	1	1	1		
2	2	X0318101004	MOTOR ASSY(BILG PUMP	1	1	1	1	1	1		
3	2	X158606410X	SWITH	1	1	1	1	1	1		
4	3	X8636015001	FUSE	1	1	1	1	1	1		
5	2	X179100022X	STRAINER	1	1	1	1	1	1		
6	2	X179100100X	PIPE ASSY	1	1	1	1	1	1		
7	2	X0044021509	HOSE A	1	1	1	1	1	1		
8	2	X199906101X	SCREW SET	1	1	1	1	1	1		
9	2	977780-03000	INPELLER	1	1	1	1	1	1		

Fig.32. COOLING SEA WATER PUMP



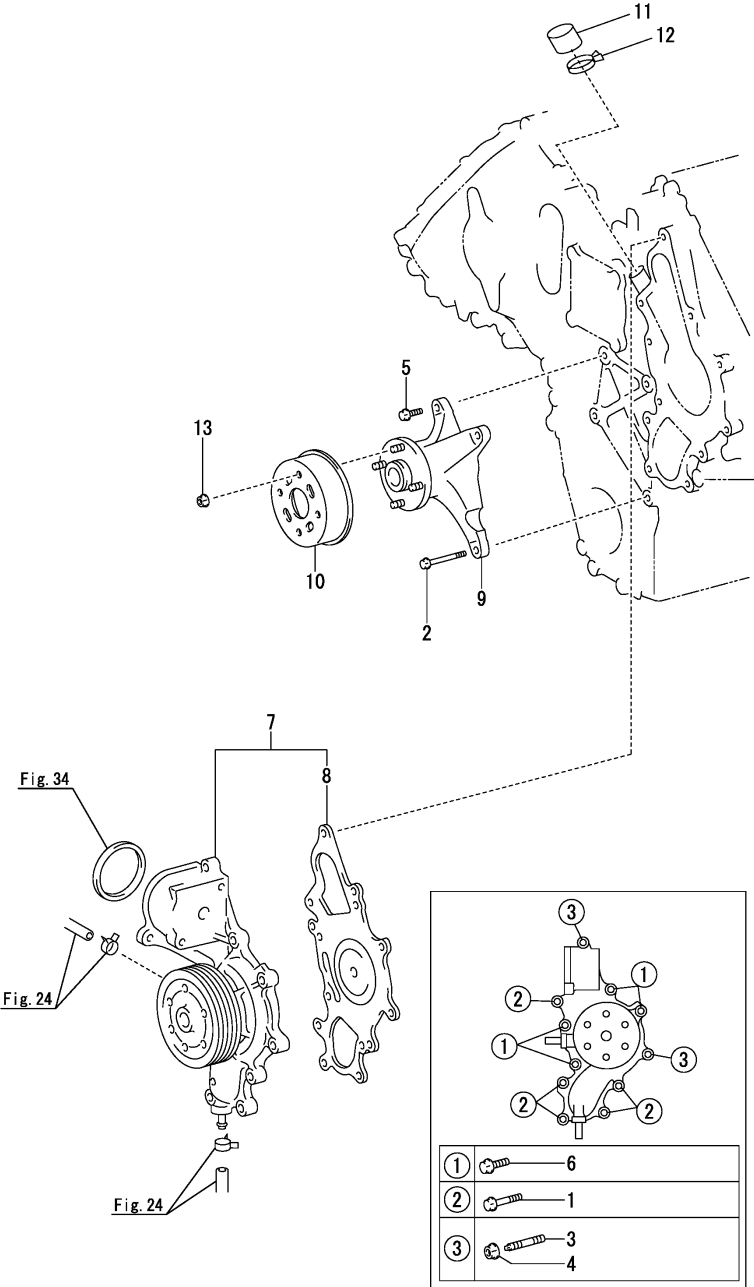
32. COOLING SEA WATER PUMP

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-42200	PUMP ASSY, CSW	1	1	1	1	1	1		
2	2	119593-42202	IMPELLER	1	1	1	1	1	1		
3	2	119798-42210	BODY,CSW PUMP	1	1	1	1	1	1		
4	2	119798-42260	PULLEY	1	1	1	1	1	1		
5	2	119798-42270	WASHER	1	1	1	1	1	1		
6	2	119798-42310	SHAFT	1	1	1	1	1	1		
7	2	119798-42330	SEAL, MECHANICAL	1	1	1	1	1	1		
8	2	119798-42340	PLATE,WARE	1	1	1	1	1	1		
9	2	119798-42350	BRACKET,A	1	1	1	1	1	1		
10	2	119798-42360	BRACKET,B	1	1	1	1	1	1		
11	2	119171-42530	COVER	1	1	1	1	1	1		
12	2	22212-080000	WASHER 8	1	1	1	1	1	1		
13	2	22213-060000	WASHER, SPRING 6	4	4	4	4	4	4		
14	2	22252-000620	CIRCLIP 62(H)	1	1	1	1	1	1		
15	2	22512-070160	KEY, 7X16	1	1	1	1	1	1		
16	2	24104-062064	BALL BEARING	2	2	2	2	2	2		
17	2	24321-000700	O-RING 1A G70.0,NBR	1	1	1	1	1	1		
18	2	24421-254008	OIL SEAL	1	1	1	1	1	1		
19	2	26106-080142	BOLT 8X 14 PLATED	4	4	4	4	4	4		
20	2	26113-060122	BOLT M 6X 12	4	4	4	4	4	4		
21	2	26113-080202	BOLT M8X 20 (STEN	1	1	1	1	1	1		
22	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1	1	1	1		
23	1	26106-080402	BOLT M 8X 40 PLATED	1	1	1	1	1	1		
24	1	26106-080602	BOLT M 8X 60 PLATED	2	2	2	2	2	2		

Fig.33. COOLING FRESH WATER PUMP

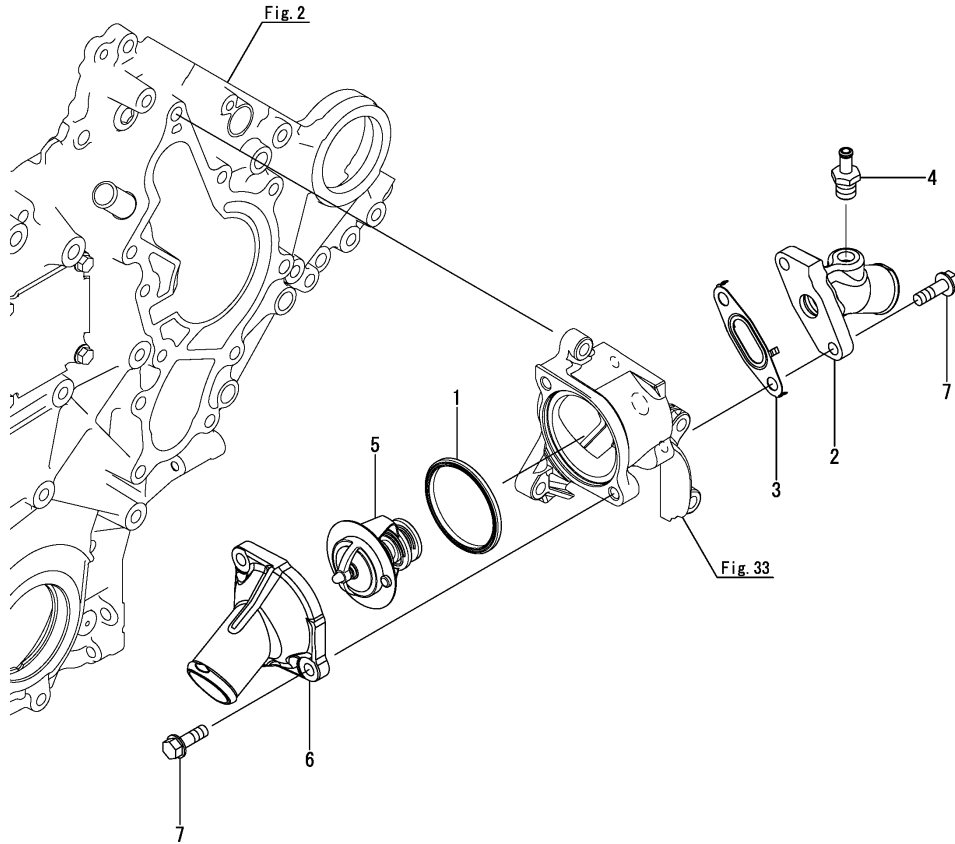


OCR10-G82200 33. COOLING FRESH WATER PUMP

(A)=8LV320
(B)=8LV350
(C)=8LV370

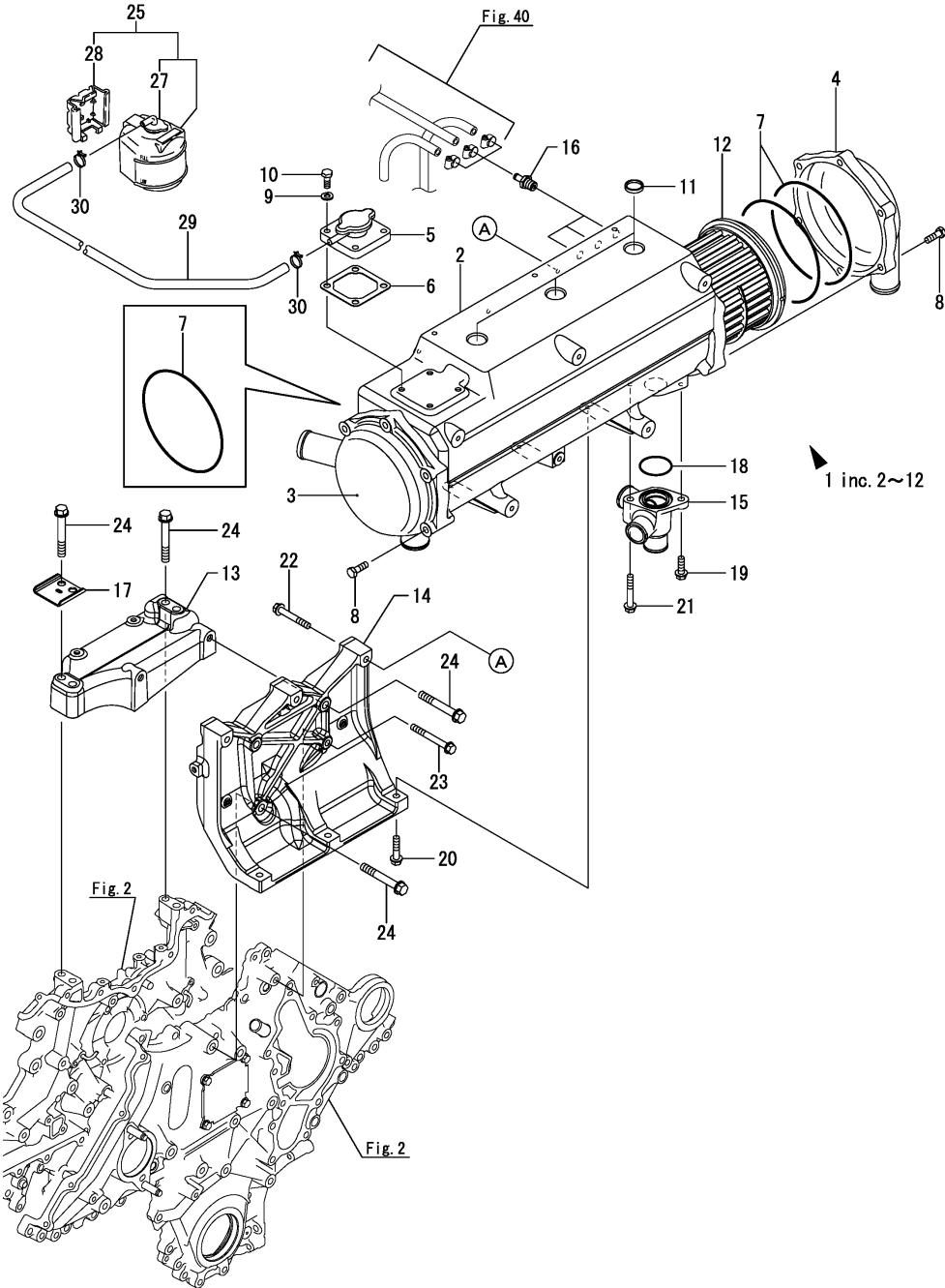
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01700	BOLT ,FLANGE M8XL80	5	5	5	5	5	5		
2	1	119798-01700	BOLT ,FLANGE M8XL80	1	1	1	1	1	1		
3	1	119798-01770	BOLT,STUD M8XL42+12	2	2	2	2	2	2		
4	1	119798-01800	NUT M8	2	2	2	2	2	2		
5	1	119798-14170	BOLT M8XL30	3	3	3	3	3	3		
6	1	119798-14170	BOLT M8XL30	4	4	4	4	4	4		
7	1	119798-42010	PUMP ASSY,ENGINE WAT	1	1	1	1	1	1		
8	2	119798-42020	GASKET,WATER PUMP CO	1	1	1	1	1	1		
9	1	119798-42030	BRACKET ASSY,FAN	1	1	1	1	1	1		
10	1	119798-42040	PULLEY, FAN	1	1	1	1	1	1		
11	1	119798-42050	PLUG	1	1	1	1	1	1		
12	1	119798-42060	CLIP,HOSE	1	1	1	1	1	1		
13	1	119798-42070	NUT M8	4	4	4	4	4	4		



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-48360	GASKET,THERMOSTAT	1	1	1	1	1	1		
2	1	119798-48520	JOINT,CFW BYPASS	1	1	1	1	1	1		
3	1	119798-48540	GASKET,WATER OUTLET	1	1	1	1	1	1		
4	1	121550-49111	JOINT PT1/4	1	1	1	1	1	1		
5	1	119773-49550	THERMOSTAT 70	1	1	1	1	1	1		
6	1	119798-49910	COVER,THERMOSTAT	1	1	1	1	1	1		
7	1	26106-080252	BOLT M 8X 25 PLATED	4	4	4	4	4	4		

Fig.35. COOLING FRESH WATER COOLER

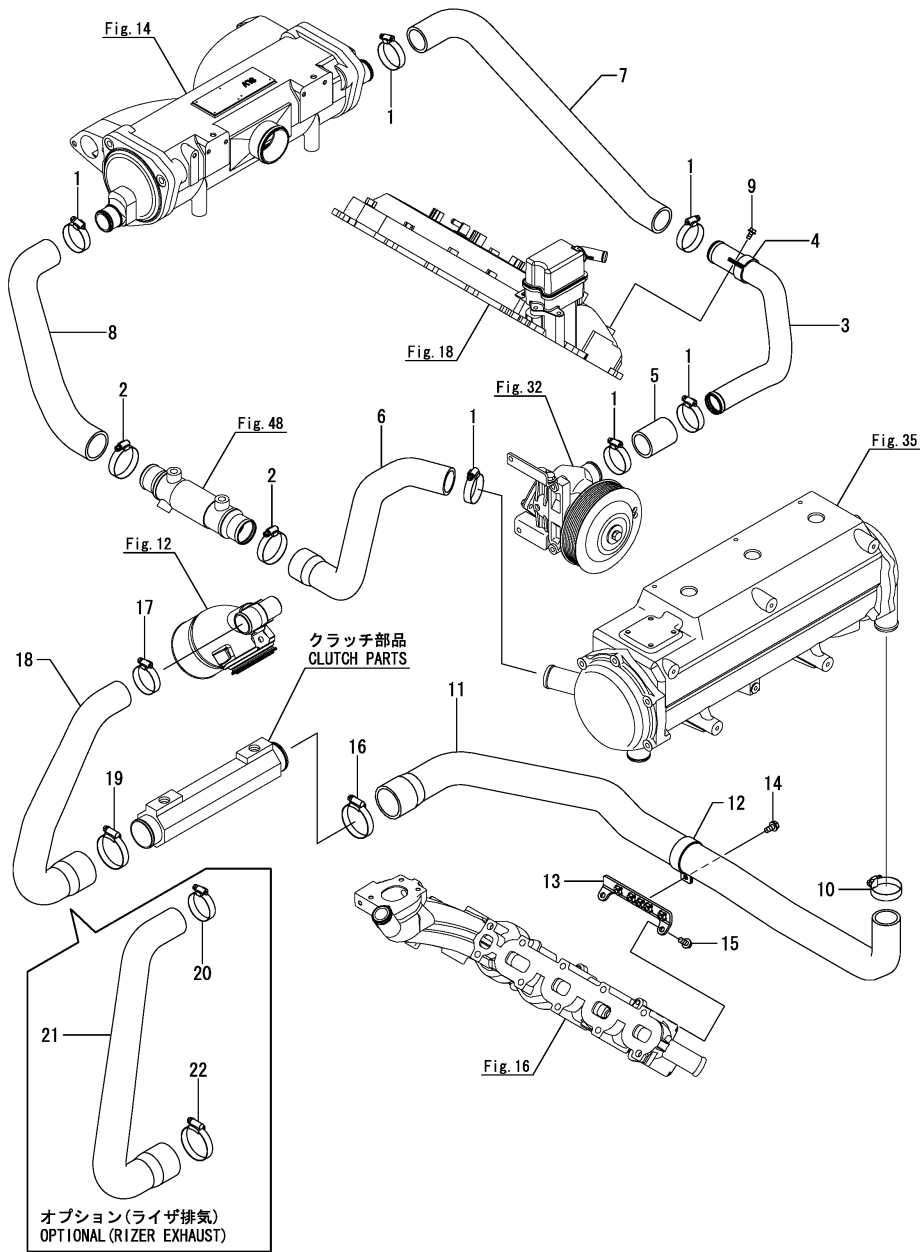


(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-44500	HEAT EXCHANGER CMP	1	1	1	1	1	1		
2	2	119798-44010	CASE, HEX	1	1	1	1	1	1		
3	2	119798-44050	COVER, HEX IN	1	1	1	1	1	1		
4	2	119798-44060	COVER, HEX OUT	1	1	1	1	1	1		
5	2	119798-44190	FILLER, CW	1	1	1	1	1	1		
6	2	119798-44220	GASKET, FILLER CAP	1	1	1	1	1	1		
7	2	119798-44250	O-RING, HEX	3	3	3	3	3	3		
8	2	119798-44260	BOLT, M8X1.25X25	12	12	12	12	12	12		
9	2	119798-44270	WASHER, SPRING M8	4	4	4	4	4	4		
10	2	119798-44280	BOLT, M8X1.25X20	4	4	4	4	4	4		
11	2	119798-44290	PLUG, CORE	3	3	3	3	3	3		
12	2	119798-44400	CORE ASSY, HEX	1	1	1	1	1	1		
13	1	119798-44630	BRACKET A, HEX	1	1	1	1	1	1		
14	1	119798-44640	BRACKET B, HEX	1	1	1	1	1	1		
15	1	119798-48510	JOINT, CFW JUNCTION	1	1	1	1	1	1		
16	1	121550-49111	JOINT PT1/4	3	3	3	3	3	3		
17	1	119798-59910	RETAINER, FO PIPE	1	1	1	1	1	1		
18	1	24321-000400	O-RING 1A G-40.0	1	1	1	1	1	1		
19	1	26106-080252	BOLT M 8X 25 PLATED	1	1	1	1	1	1		
20	1	26106-080352	BOLT M 8X 35 PLATED	3	3	3	3	3	3		
21	1	26106-080502	BOLT M 8X 50 PLATED	1	1	1	1	1	1		
22	1	26106-080552	BOLT M 8X 55 PLATED	3	3	3	3	3	3		
23	1	26106-080702	BOLT M 8X 70 PLATED	1	1	1	1	1	1		
24	1	26136-100702	BOLT, 10 X 70	7	7	7	7	7	7		
25	1	720445-44200	SUB RESERVOIR ASSY	1	1	1	1	1	1		
27	3	X0225000630	CAP	1	1	1	1	1	1		
28	2	120445-44540	BRACKET, SUB-TANK	1	1	1	1	1	1		
29	1	124790-44560	PIPE, C. WATER	1	1	1	1	1	1		
30	1	23010-013000	CLAMP 13	2	2	2	2	2	2		

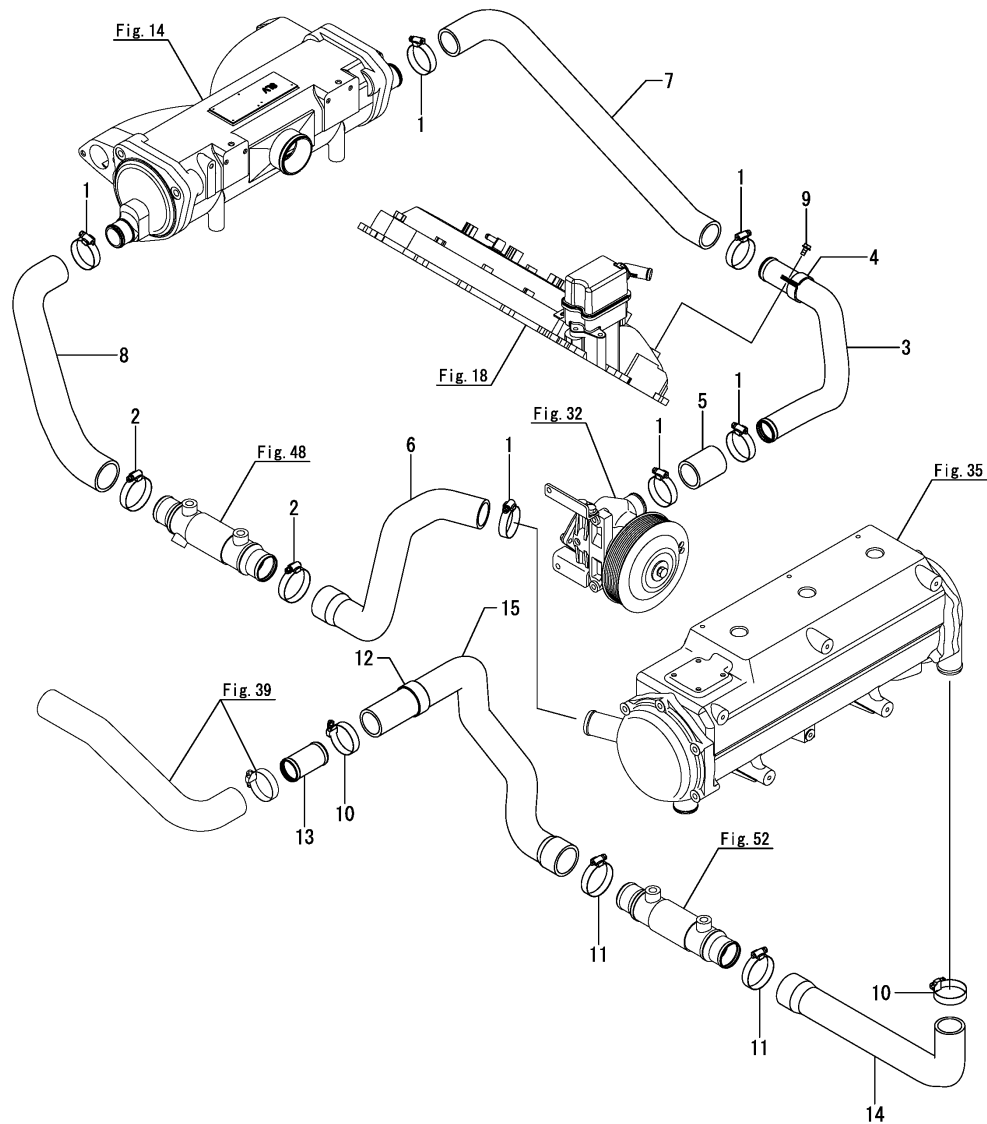
Fig.36. COOLING SEA WATER PIPE(8LV320,350,370)



Remarks
(1)Optional parts.(Riser exhaust)

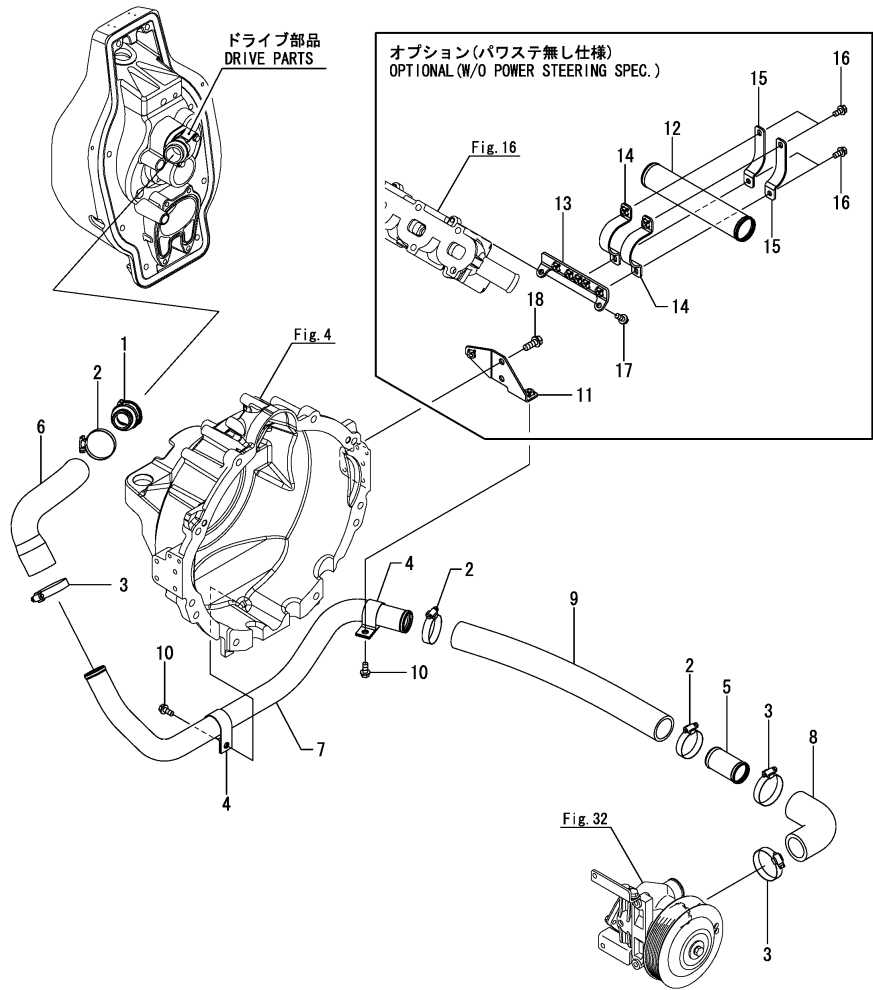
(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48480	CLIP, HOSE	6	6	6					
2	1	119172-48540	CLIP, HOSE	2	2	2					
3	1	119798-49080	PIPE,CSW	1	1	1					
4	1	119798-49090	RETAINER,PIPE D40	1	1	1					
5	1	119775-49120	JOINT, RUBBER	1	1	1					
6	1	119798-49320	HOSE, CSW HEX-IN	1	1	1					
7	1	119798-49770	HOSE,CSW CAC IN	1	1	1					
8	1	119798-49790	HOSE,CSW CAC OUT	1	1	1					
9	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1					
10	1	119172-48480	CLIP, HOSE	1	1	1					
11	1	119798-49880	HOSE,CSW HEX OUT	1	1	1					
12	1	119798-49940	RETAINER,HOSE D56	1	1	1					
13	1	119798-55720	BRACKET,FO COOLER	1	1	1					
14	1	26106-080162	BOLT M 8X 16 PLATED	1	1	1					
15	1	26106-080202	BOLT M 8X 20 PLATED	2	2	2					
16	1	43730-552161	CLIP HOSE,61	1	1	1					
17	1	119172-48480	CLIP, HOSE	1	1	1					
18	1	119798-49920	HOSE,CSW M/G OUT	1	1	1					
19	1	43730-552161	CLIP HOSE,61	1	1	1					
20	1	119172-48480	CLIP, HOSE	1	1	1					1
21	1	119798-49930	HOSE,CSW M/G OUT	1	1	1					1
22	1	43730-552161	CLIP HOSE,61	1	1	1					1



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48480	CLIP, HOSE			6	6	6			
2	1	119172-48540	CLIP, HOSE			2	2	2			
3	1	119798-49080	PIPE,CSW			1	1	1			
4	1	119798-49090	RETAINER,PIPE D40			1	1	1			
5	1	119775-49120	JOINT, RUBBER			1	1	1			
6	1	119798-49320	HOSE, CSW HEX-IN			1	1	1			
7	1	119798-49770	HOSE,CSW CAC IN			1	1	1			
8	1	119798-49790	HOSE,CSW CAC OUT			1	1	1			
9	1	26106-060122	BOLT M 6X 12 PLATED			1	1	1			
10	1	119172-48480	CLIP, HOSE			2	2	2			
11	1	119172-48540	CLIP, HOSE			2	2	2			
12	1	119593-49080	CLAMP			1	1	1			
13	1	119779-49230	PIPE, SWP IN			1	1	1			
14	1	119799-49250	HOSE,CSW HEX OUT			1	1	1			
15	1	119799-49740	HOSE,CSW ATF COOLER			1	1	1			

Fig.38. COOLING SEA WATER PIPE(DRIVE)

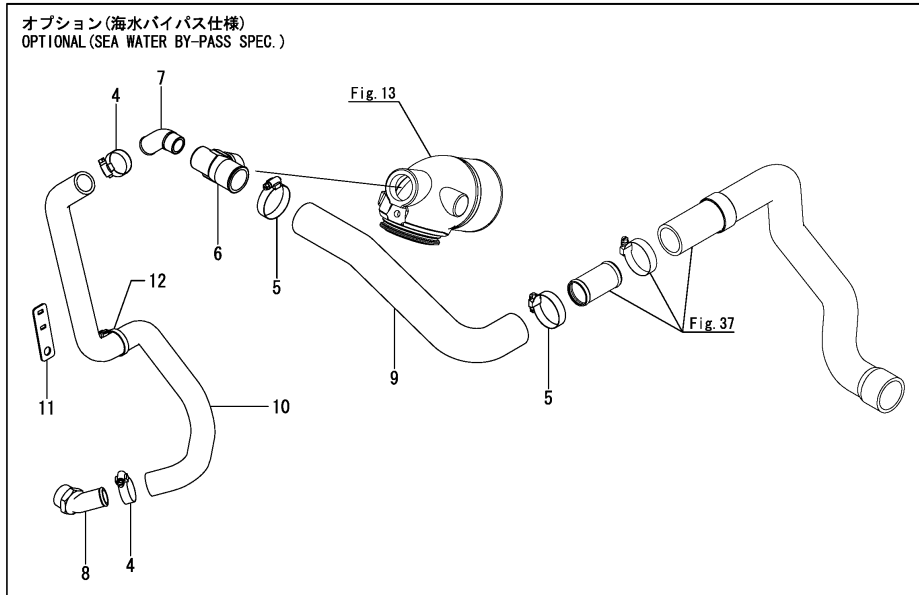
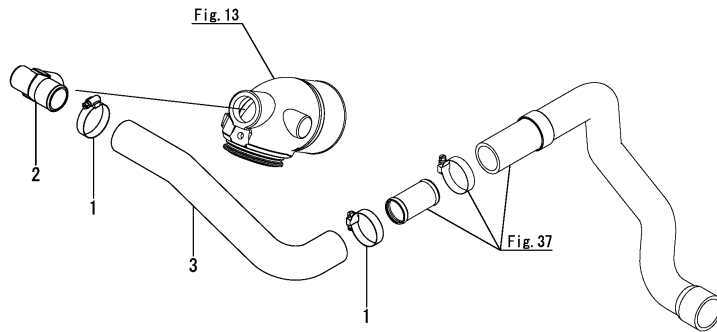


Remarks
(1)Optional parts.
(Non power steering spec.)

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120650-42630	JOINT				1	1	1		
2	1	119172-48480	CLIP, HOSE				3	3	3		
3	1	119172-48540	CLIP, HOSE				3	3	3		
4	1	119779-49210	CLAMP(CW-T				2	2	2		
5	1	119779-49230	PIPE, SWP IN				1	1	1		
6	1	119799-49610	HOSE, DRIVE OUT				1	1	1		
7	1	119799-49620	PIPE, CSW DRIVE				1	1	1		
8	1	119799-49640	HOSE, CSW PUMP IN				1	1	1		
9	1	119779-49910	HOSE,SEA WATER 2.5M				1	1	1		
10	1	26106-080182	BOLT M 8X 18 PLATED				2	2	2		1
11	1	119799-26580	BRACKET ,CSW PIPE				1	1	1		1
12	1	119799-49800	PIPE, CSW JOINT				1	1	1		1
13	1	119798-55720	BRACKET,FO COOLER				1	1	1		1
14	1	119798-55770	BAND A,FO COOLER				2	2	2		1
15	1	119798-55780	BAND B,FO COOLER				2	2	2		1
16	1	26106-080162	BOLT M 8X 16 PLATED				4	4	4		1
17	1	26106-080202	BOLT M 8X 20 PLATED				2	2	2		1
18	1	26106-100252	BOLT M10X 25 PLATED				2	2	2		1



Remarks
(1)Optional parts.
(Sea water by-pass spec.)

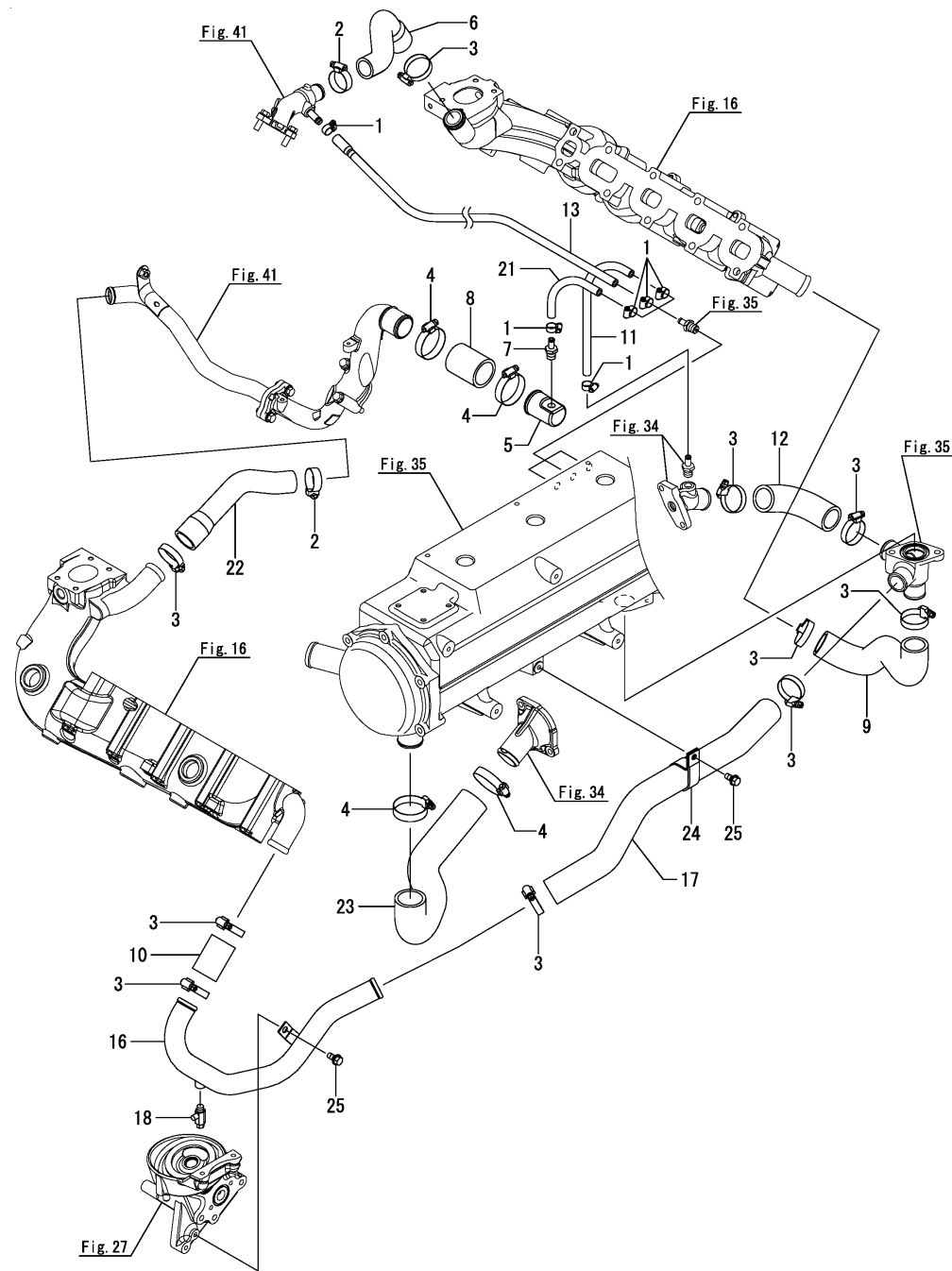
0CR10-G82200 39. COOLING SEA WATER PIPE(MIXING/BY-PASS)

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48480	CLIP, HOSE				2	2	2		
2	1	119775-48640	BEND, ELBOW				1	1	1		
3	1	119799-49810	HOSE, MIXING IN				1	1	1		
4	1	119172-48350	CLIP, HOSE				2	2	2		1
5	1	119172-48480	CLIP, HOSE				2	2	2		1
6	1	119779-48620	BEND,90 ELBOW				1	1	1		1
7	1	119175-49550	JOINT				1	1	1		1
8	1	119779-49550	ELBOW,SEA WATER				1	1	1		1
9	1	119799-49810	HOSE, MIXING IN				1	1	1		1
10	1	119799-49820	HOSE, BYPASS				1	1	1		1
11	1	119799-49830	RETAINER				1	1	1		1
12	1	29622-140001	BAND 140				1	1	1		1

Fig.40. COOLING FRESH WATER PIPE

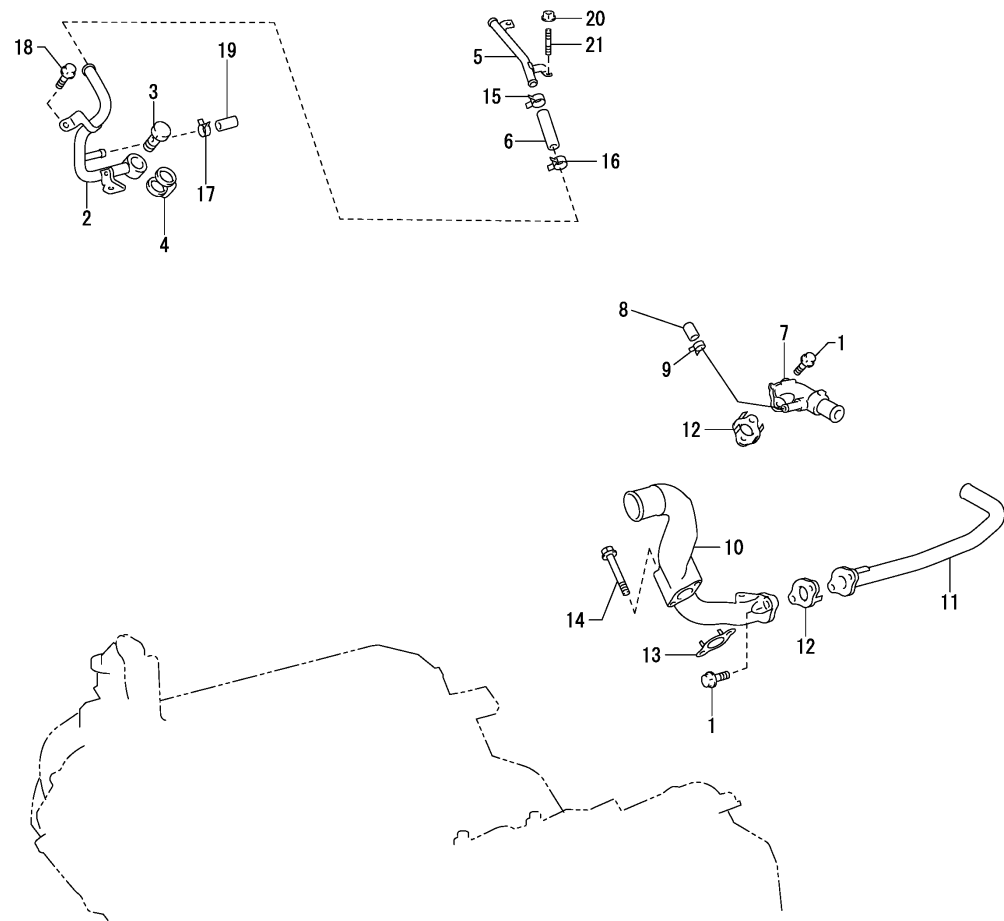


(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48130	CLIP, HOSE	6	6	6	6	6	6		
2	1	119172-48350	CLIP, HOSE	2	2	2	2	2	2		
3	1	119172-48410	CLIP, HOSE	10	10	10	10	10	10		
4	1	119172-48480	CLIP, HOSE	4	4	4	4	4	4		
5	1	119798-48530	CAP, CFW AIR VENT	1	1	1	1	1	1		
6	1	119798-49110	HOSE, EXH-MANI LH IN	1	1	1	1	1	1		
7	1	121550-49111	JOINT PT1/4	1	1	1	1	1	1		
8	1	119775-49120	JOINT, RUBBER	1	1	1	1	1	1		
9	1	119798-49140	HOSE, CFW HEX-IN L	1	1	1	1	1	1		
10	1	120445-49150	JOINT	1	1	1	1	1	1		
11	1	119173-49160	PIPE	1	1	1	1	1	1		
12	1	119798-49200	HOSE, CFW BYPASS	1	1	1	1	1	1		
13	1	119798-49270	HOSE,AIR VENT	1	1	1	1	1	1		
16	1	119798-49280	PIPE, CFW	1	1	1	1	1	1		
17	1	119798-49290	HOSE, CFW HEX-IN R	1	1	1	1	1	1		
18	1	129670-49290	COCK ASSY	1	1	1	1	1	1		
21	1	119171-49300	PIPE A	1	1	1	1	1	1		
22	1	119798-49310	HOSE, EXH-MANI RH IN	1	1	1	1	1	1		
23	1	119798-49360	HOSE, CFW THERMO IN	1	1	1	1	1	1		
24	1	119798-49420	RETAINER	1	1	1	1	1	1		
25	1	26106-080162	BOLT M 8X 16 PLATED	2	2	2	2	2	2		

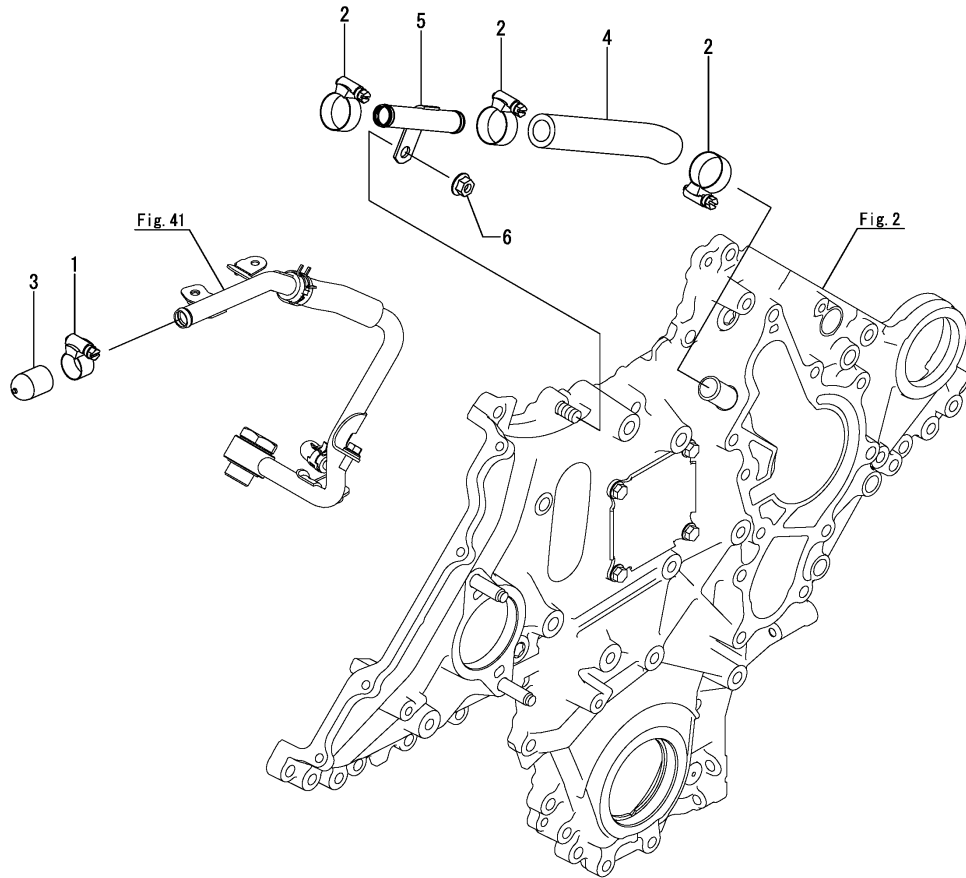
Fig.41. COOLING FRESH WATER PIPE(BY-PASS)



OCR10-G82200 41. COOLING FRESH WATER PIPE(BY-PASS)

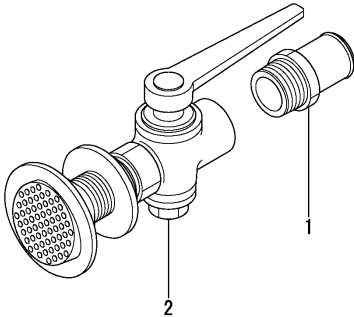
(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-14150	BOLT M8XL25	4	4	4	4	4	4		
2	1	119798-49600	PIPE,WATER BY-PASS 1	1	1	1	1	1	1		
3	1	119798-49610	BOLT,UNION M20XL30	1	1	1	1	1	1		
4	1	119798-49620	GASKET,PIPE WATER BY	1	1	1	1	1	1		
5	1	119798-49630	PIPE,WATER BY-PASS,2	1	1	1	1	1	1		
6	1	119798-49640	HOSE,WATER	1	1	1	1	1	1		
7	1	119798-49650	OUTLET,WATER BY-PASS	1	1	1	1	1	1		
8	1	119798-49660	GASKET,PIPE WATER BY	1	1	1	1	1	1		
9	1	119798-49670	CLIP,HOSE	1	1	1	1	1	1		
10	1	119798-49680	PIPE,WATER OUTLET,1	1	1	1	1	1	1		
11	1	119798-49690	PIPE,WATER OUTLET,2	1	1	1	1	1	1		
12	1	119798-49700	GASKET, WATER OUTLET	2	2	2	2	2	2		
13	1	119798-49710	GASKET,WATER OUTLET	1	1	1	1	1	1		
14	1	119798-49720	BOLT,FLANGE M8XL70	2	2	2	2	2	2		
15	1	119798-49730	CLIP,HOSE	1	1	1	1	1	1		
16	1	119798-49740	CLIP,HOSE	1	1	1	1	1	1		
17	1	119798-49840	CLIP,HOSE(FOR PIPE	1	1	1	1	1	1		
18	1	119798-49860	BOLT M6XL14	1	1	1	1	1	1		
19	1	119798-49870	PLUG(FOR PIPE,WATER	1	1	1	1	1	1		
20	1	119798-59100	NUT,FLANGE M6	1	1	1	1	1	1		
21	1	119798-59840	STUD,HEXALOBULAR M6	1	1	1	1	1	1		



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48190	CLIP, HOSE	1	1	1	1	1	1		
2	1	119172-48250	CLIP, HOSE	3	3	3	3	3	3		
3	1	119798-49950	CAP, WATER TAKE OUT	1	1	1	1	1	1		
4	1	119798-49960	HOSE, WATER RETURN	1	1	1	1	1	1		
5	1	119798-49970	JOINT, WATER RETURN	1	1	1	1	1	1		
6	1	26366-080002	NUT M 8	1	1	1	1	1	1		

Fig.43. KINGSTON COCK(OPTIONAL)

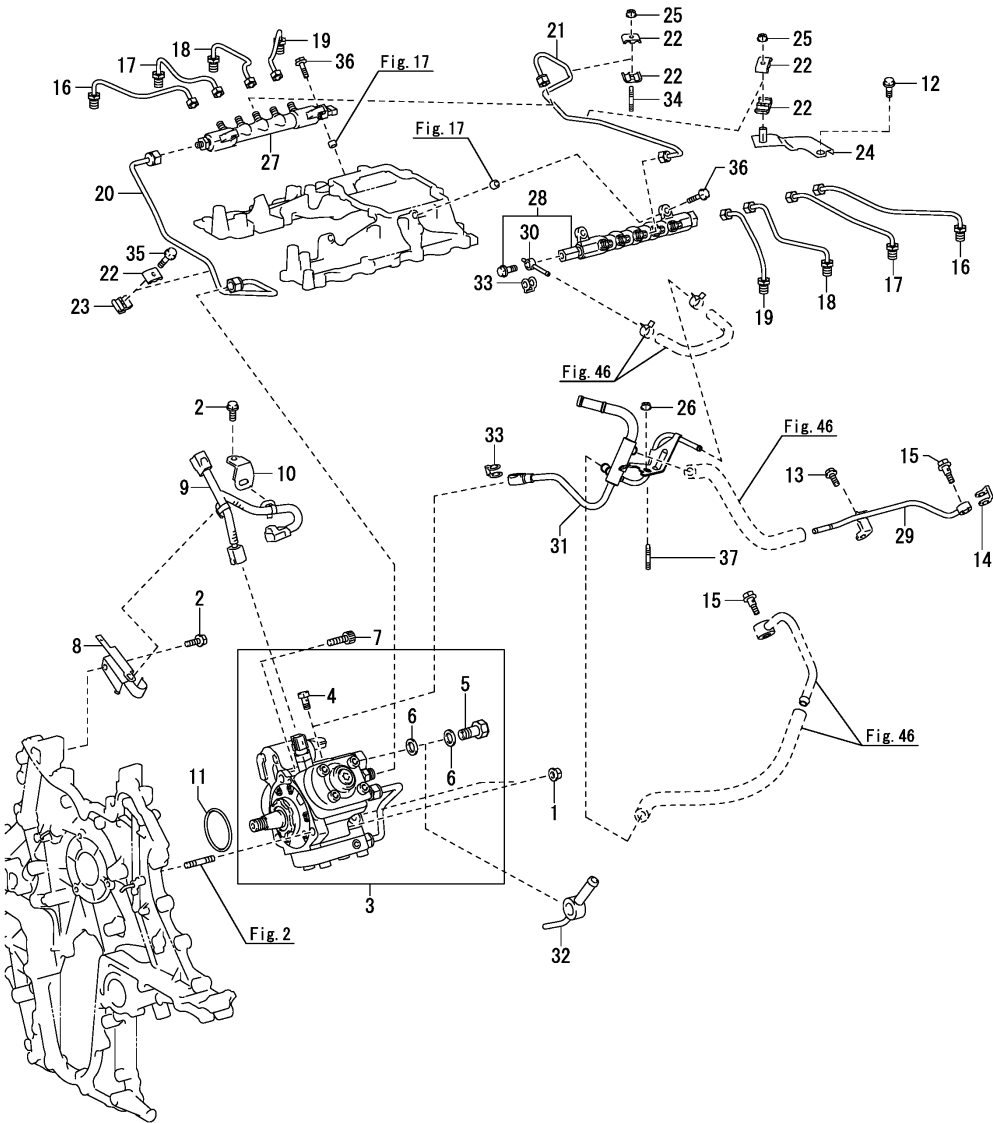


43. KINGSTON COCK(OPTIONAL)

(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	43530-500610	JOINT (30A)	1	1	1	1	1	1		
2	1	43662-030031	COCK ASSY, SEA WATER	1	1	1	1	1	1		

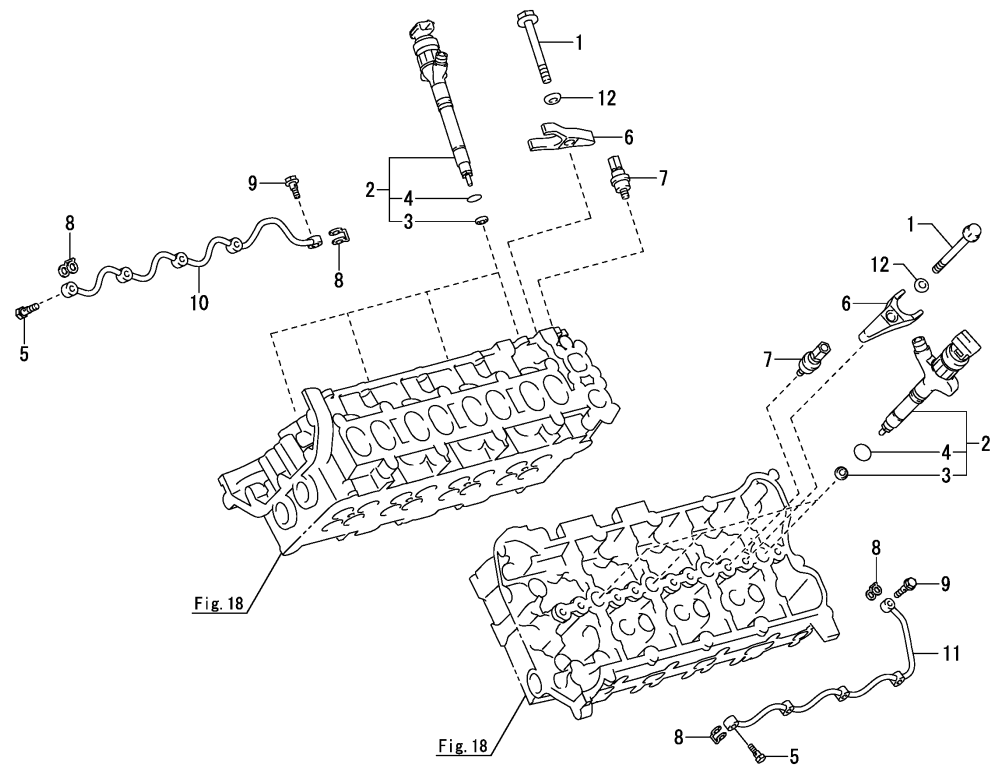
Fig.44. FUEL INJECTION PUMP & FUEL INJECTION PIPE



(A)=8LV320 (D)=8LV320Z
(B)=8LV350 (E)=8LV350Z
(C)=8LV370 (F)=8LV370Z

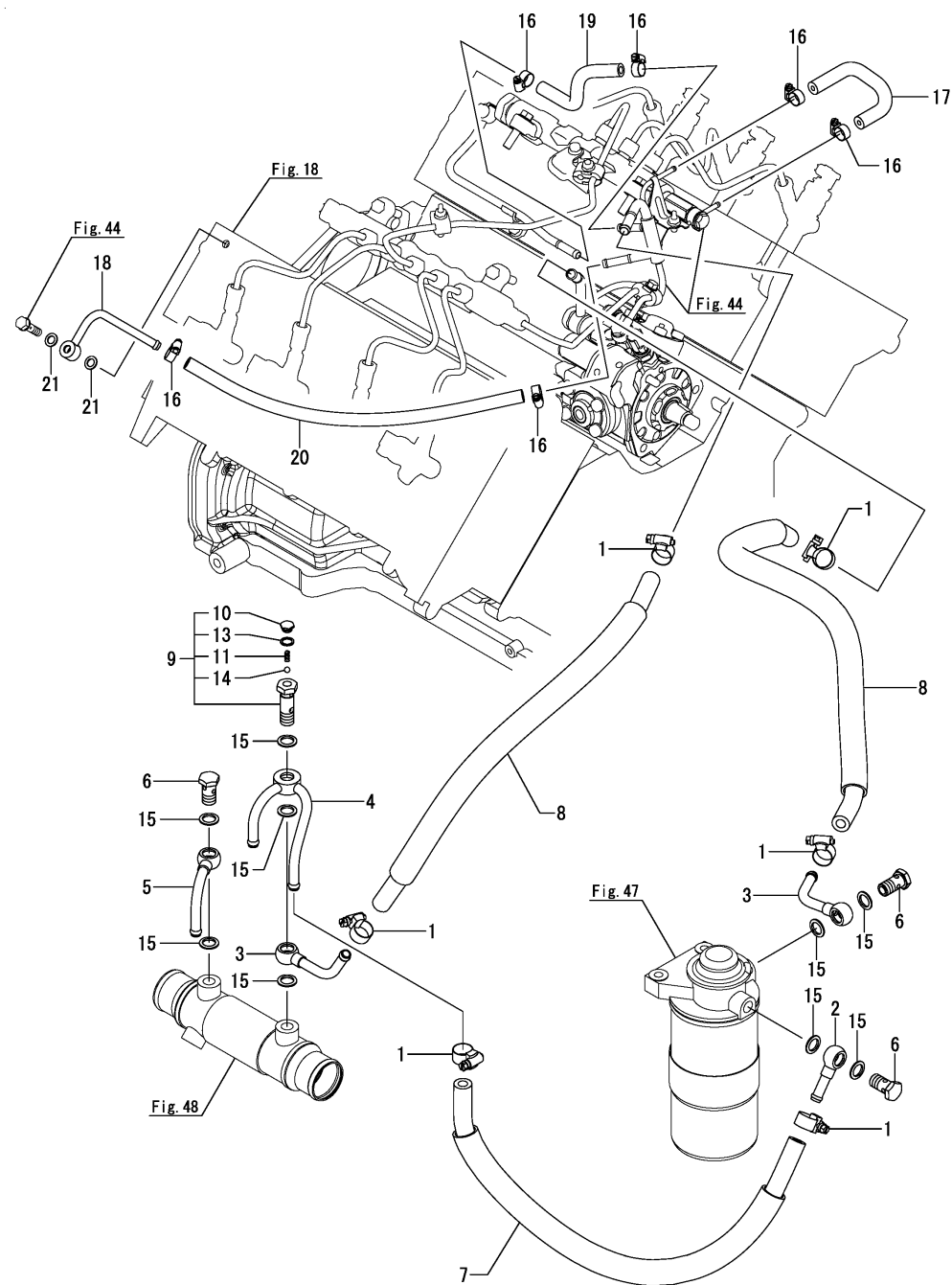
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01800	NUT M8	2	2	2	2	2	2		
2	1	119798-49860	BOLT M6XL14	2	2	2	2	2	2		
3	1	119798-51010	PUMP ASSY,INJECTOR	1	1	1	1	1	1		
4	2	119798-51020	SCREW NO.1	1	1	1	1	1	1		
5	2	119798-51030	SCREW NO.2	1	1	1	1	1	1		
6	2	119798-51040	GASKET	2	2	2	2	2	2		
7	1	119798-51050	BOLT,HEXAGON M8XL29	1	1	1	1	1	1		
8	1	119798-51060	BRACKET	1	1	1	1	1	1		
9	1	119798-51070	WIRE,FUEL PUMP,NO.1	1	1	1	1	1	1		
10	1	119798-51080	BRACKET,FUEL PUMP 1	1	1	1	1	1	1		
11	1	119770-90900	O-RING	1	1	1	1	1	1		
12	1	119798-49860	BOLT M6XL14	1	1	1	1	1	1		
13	1	119798-49860	BOLT M6XL14	1	1	1	1	1	1		
14	1	119798-53070	GASKET	1	1	1	1	1	1		
15	1	119798-53080	BOLT, UNION M8X1XL30	2	2	2	2	2	2		
16	1	119798-59010	PIPE ASY,INJECTION 1	2	2	2	2	2	2		
17	1	119798-59020	PIPE ASY,INJECTION 2	2	2	2	2	2	2		
18	1	119798-59030	PIPE ASY,INJECTION 3	2	2	2	2	2	2		
19	1	119798-59040	PIPE ASY,INJECTION 4	2	2	2	2	2	2		
20	1	119798-59050	PIPE ASY,INJECTION 5	1	1	1	1	1	1		
21	1	119798-59060	PIPE ASY,INJECTION 6	1	1	1	1	1	1		
22	1	119798-59070	CLAMP,INJECTION PIPE	5	5	5	5	5	5		
23	1	119798-59080	CLAMP,INJECTION PIPE	1	1	1	1	1	1		
24	1	119798-59090	SUPPORT,FUEL PIPE	1	1	1	1	1	1		
25	1	119798-59100	NUT,FLANGE M6	2	2	2	2	2	2		
26	1	119798-59100	NUT,FLANGE M6	1	1	1	1	1	1		
27	1	119798-59110	RAIL ASSY,COMMON,RH	1	1	1	1	1	1		
28	1	119798-59120	RAIL ASSY,COMMON,LH	1	1	1	1	1	1		
29	1	119798-59140	PIPE,NOZZLE LEAKAGE4	1	1	1	1	1	1		
30	1	119798-59150	PIPE,NOZZLE LEAKAGE5	1	1	1	1	1	1		
31	1	119798-59160	PIPE ASSY,FUEL,NO.5	1	1	1	1	1	1		
32	1	119798-59170	PIPE,FUEL,NO.1	1	1	1	1	1	1		
33	1	119798-59190	GASKET	2	2	2	2	2	2		
34	1	119798-59810	STUD,HEXALOBULAR M6	1	1	1	1	1	1		
35	1	119798-59820	BOLT,FLANGE M6XL25	1	1	1	1	1	1		
36	1	119798-59830	BOLT,FLANGE M8XL35	4	4	4	4	4	4		
37	1	119798-59840	STUD,HEXALOBULAR M6	1	1	1	1	1	1		

Fig.45. FUEL INJECTION VALVE



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-01700	BOLT ,FLANGE M8XL80	8	8	8	8	8	8		
2	1	119798-53010	INJECTOR ASSY,	8	8	8	8	8	8		
3	2	119798-53020	SEAT,INJECTION NOZZL	8	8	8	8	8	8		
4	2	119798-53030	RING, O	8	8	8	8	8	8		
5	1	119798-53040	SCREW, INJECTOR FOLL	8	8	8	8	8	8		
6	1	119798-53050	CLAMP,NOZZLE HOLDER	8	8	8	8	8	8		
7	1	119798-53060	SEAT,NOZZLE HOLDER C	8	8	8	8	8	8		
8	1	119798-53070	GASKET	10	10	10	10	10	10		
9	1	119798-53080	BOLT, UNION M8X1XL30	2	2	2	2	2	2		
10	1	119798-53090	PIPE,NOZZLE LEKAGE,1	1	1	1	1	1	1		
11	1	119798-53100	PIPE,NOZZLE LEKAGE,2	1	1	1	1	1	1		
12	1	119771-90310	WASHER	8	8	8	8	8	8		

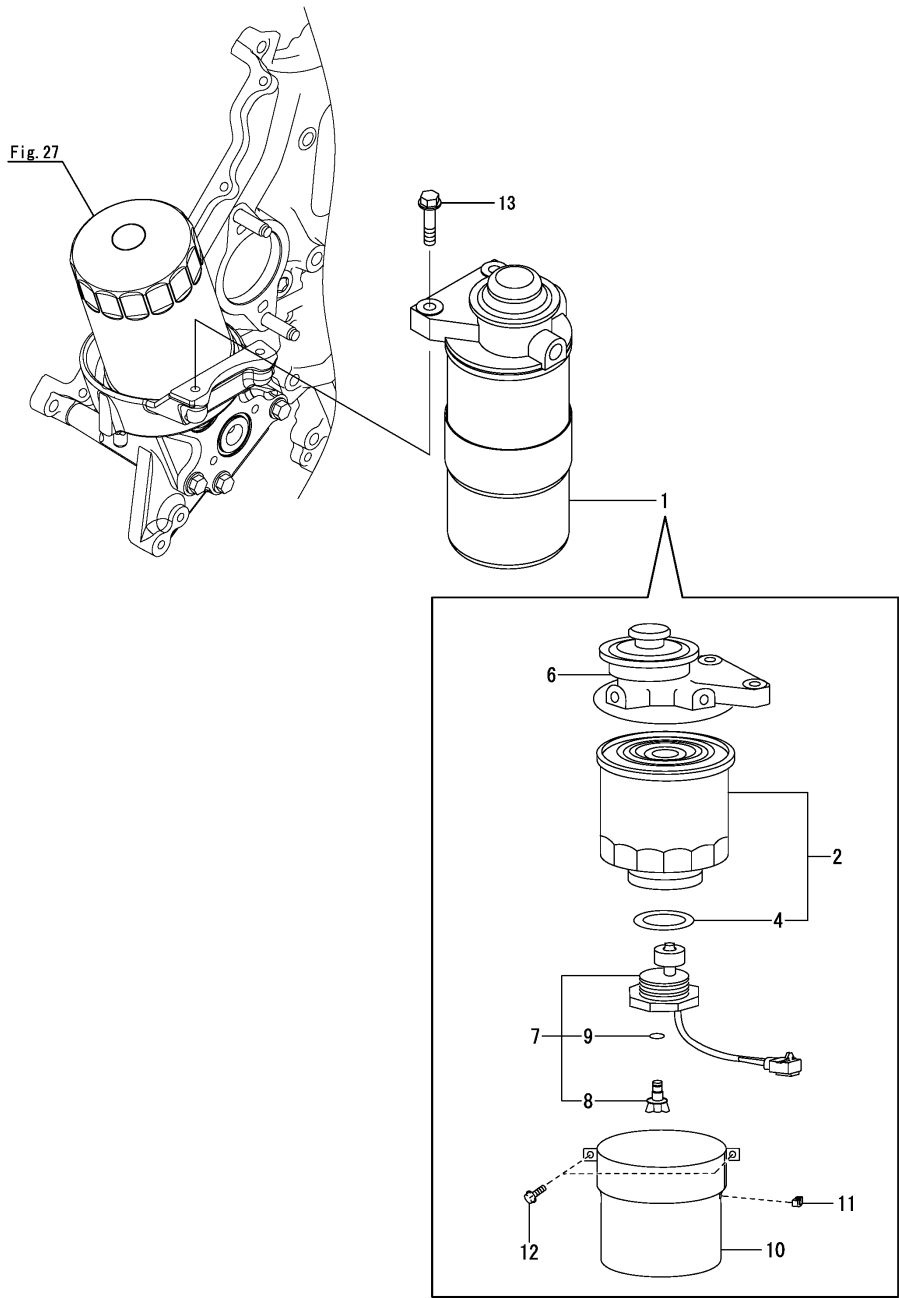
Fig.46. FUEL PIPE



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

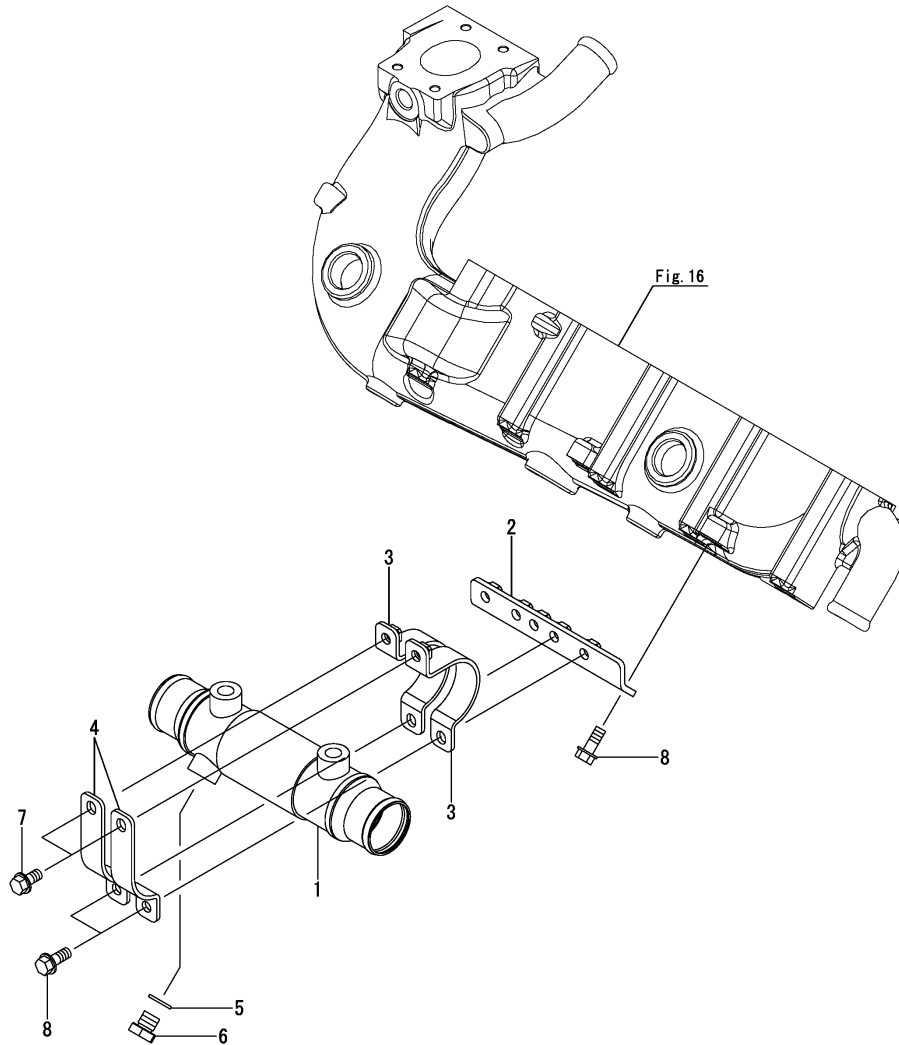
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48190	CLIP, HOSE	6	6	6	6	6	6		
2	1	119799-59210	JOINT, FO	1	1	1	1	1	1		
3	1	119799-59220	JOINT, FO COOLER IN	2	2	2	2	2	2		
4	1	119798-59230	JOINT, FO IN	1	1	1	1	1	1		
5	1	119798-59250	JOINT,FO RETURN	1	1	1	1	1	1		
6	1	148616-59430	BOLT M14, JOINT	3	3	3	3	3	3		
7	1	119798-59510	PIPE CMP, FUEL	1	1	1	1	1	1		
8	1	119798-59520	PIPE CMP, FUEL	2	2	2	2	2	2		
9	1	119799-59600	RELIEF VALVE, FO	1	1	1	1	1	1		
10	2	127610-39350	RETAINER	1	1	1	1	1	1		
11	2	127687-39360	SPRING	1	1	1	1	1	1		
13	2	23414-100014	PACKING 10,ROUND	1	1	1	1	1	1		
14	2	24190-070001	BALL 7/32	1	1	1	1	1	1		
15	1	22190-140002	WASHER, 14	9	9	9	9	9	9		
16	1	119172-48130	CLIP, HOSE	6	6	6	6	6	6		
17	1	119798-59550	PIPE,FUEL	1	1	1	1	1	1		
18	1	119798-59570	JOINT,ASSY	1	1	1	1	1	1		
19	1	119798-59610	PIPE, FUEL OIL	1	1	1	1	1	1		
20	1	119798-59620	PIPE, FUEL OIL	1	1	1	1	1	1		
21	1	23414-080000	GASKET 8, ROUND	2	2	2	2	2	2		

Fig.47. FUEL STRAINER



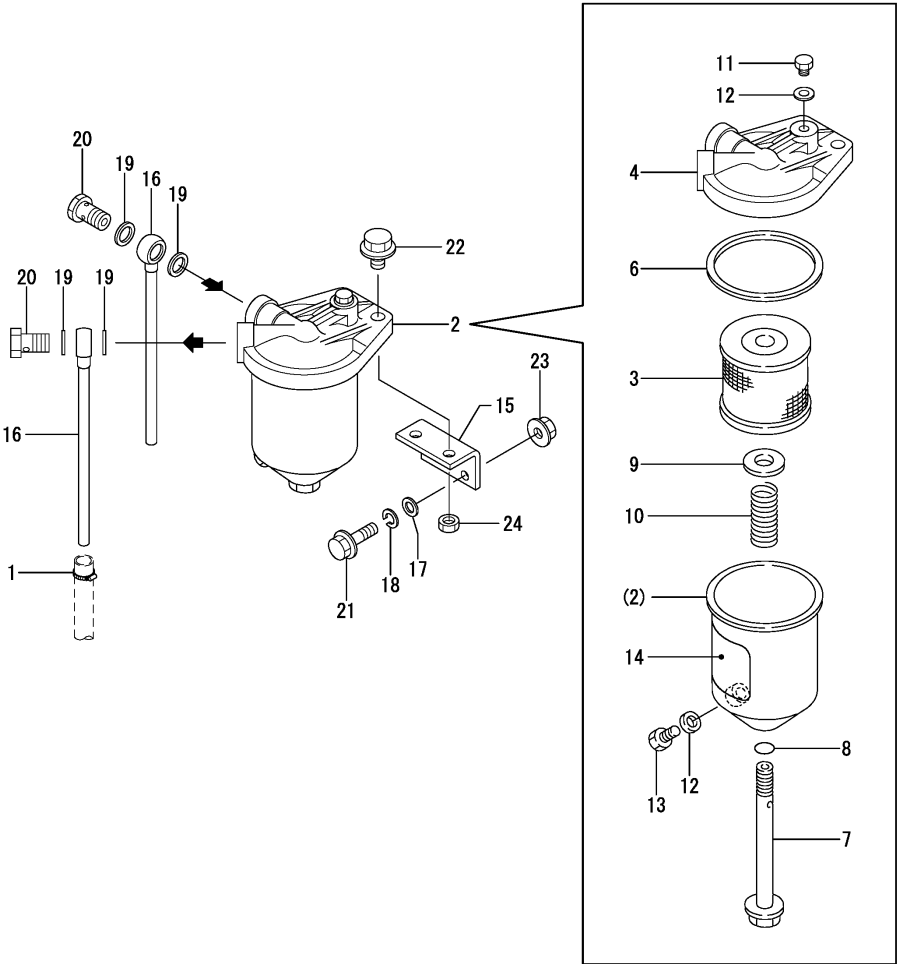
(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-55100	FILTER ASSY, FO	1	1	1	1	1	1		
2	2	119798-55110	ELEMENT ASSY,FUEL FI	1	1	1	1	1	1		
4	4	119798-55120	RING,O	1	1	1	1	1	1		
6	2	119798-55130	CAP ASSY,FUEL FILTER	1	1	1	1	1	1		
7	2	119798-55140	SWITCH,LEVEL WARNING	1	1	1	1	1	1		
8	3	119798-55150	PLUG,DRAIN	1	1	1	1	1	1		
9	3	119798-55160	RING,O	1	1	1	1	1	1		
10	2	119798-55170	CASE,FILTER ELEMENT	1	1	1	1	1	1		
11	2	119798-55180	RUBBER,CUSHION	1	1	1	1	1	1		
12	2	119798-55190	BOLT,W/WASHER	2	2	2	2	2	2		
13	1	26106-080352	BOLT M 8X 35 PLATED	2	2	2	2	2	2		



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119799-26800	OIL COOLER CMP	1	1	1	1	1	1		
2	1	119798-55720	BRACKET,FO COOLER	1	1	1	1	1	1		
3	1	119798-55770	BAND A,FO COOLER	2	2	2	2	2	2		
4	1	119798-55780	BAND B,FO COOLER	2	2	2	2	2	2		
5	1	23414-130000	GASKET 13, ROUND	1	1	1	1	1	1		
6	1	23894-020002	PLUG G1/4,HEX.	1	1	1	1	1	1		
7	1	26106-080162	BOLT M 8X 16 PLATED	2	2	2	2	2	2		
8	1	26106-080202	BOLT M 8X 20 PLATED	4	4	4	4	4	4		

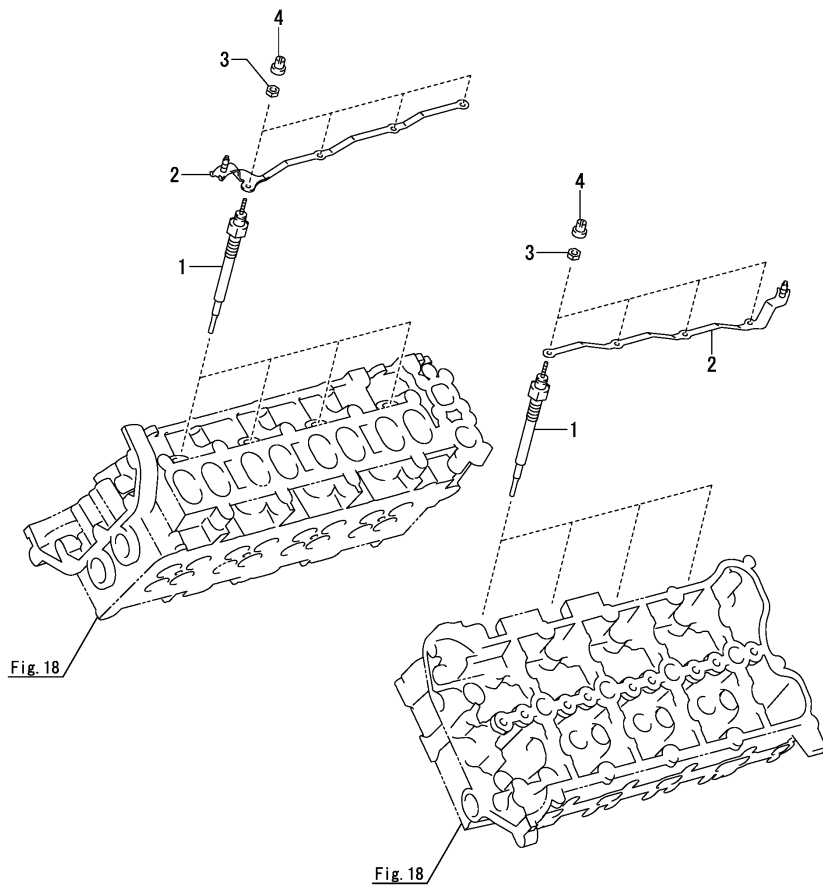
Fig.49. OIL/WATER SEPARATOR(OPTIONAL)



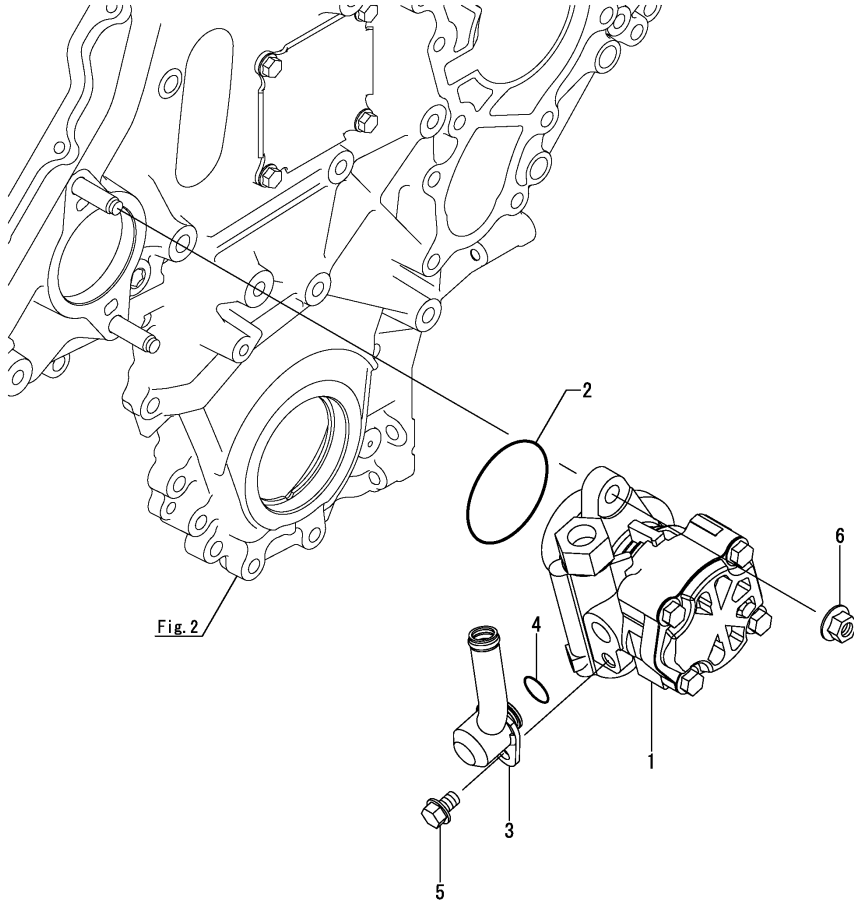
(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-48190	CLIP, HOSE	2	2	2	2	2	2		
2	1	120324-55751	SEPARATOR ASSY	1	1	1	1	1	1		
3	2	120324-55760	ELEMENT,FUEL OIL	1	1	1	1	1	1		
4	2	X2740134002	COVER ASSY	1	1	1	1	1	1		
6	2	X0582810173	GASKET	1	1	1	1	1	1		
7	2	X0311121522	CENTER BOLT	1	1	1	1	1	1		
8	2	X0580121073	O-RING 1A P 12.0	1	1	1	1	1	1		
9	2	X0300120414	SEAT, SPRING	1	1	1	1	1	1		
10	2	X0600160122	SPRING	1	1	1	1	1	1		
11	2	X0314080110	PLUG	1	1	1	1	1	1		
12	2	X0588080273	GASKET	2	2	2	2	2	2		
13	2	X0313080922	BOLT	1	1	1	1	1	1		
14	2	X0993071171	CAUTION MARK	1	1	1	1	1	1		
15	1	123672-55811	BRACKET	1	1	1	1	1	1		
16	1	123325-59420	PIPE ASSY	2	2	2	2	2	2		
17	1	22137-080000	WASHER 8, POLISHED	2	2	2	2	2	2		
18	1	22217-080000	WASHER, 8	2	2	2	2	2	2		
19	1	23414-140000	GASKET 14, ROUND	4	4	4	4	4	4		
20	1	23857-080000	JOINT BOLT 8,PIPE	2	2	2	2	2	2		
21	1	26106-080402	BOLT M 8X 40 PLATED	2	2	2	2	2	2		
22	1	26106-100202	BOLT M10X 20 PLATED	2	2	2	2	2	2		
23	1	26306-080002	NUT, M8	2	2	2	2	2	2		
24	1	26706-100002	NUT M10	2	2	2	2	2	2		



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-77910	PLUG ASSY,GLOW	8	8	8	8	8	8		
2	1	119798-77920	CONNECTOR,GLOW PLUG	2	2	2	2	2	2		
3	1	119798-77930	NUT,HEXAGON M4	8	8	8	8	8	8		
4	1	119770-90880	CLAMP, PIPE	8	8	8	8	8	8		



OCR10-G82200 51. POWER STEERING PUMP

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

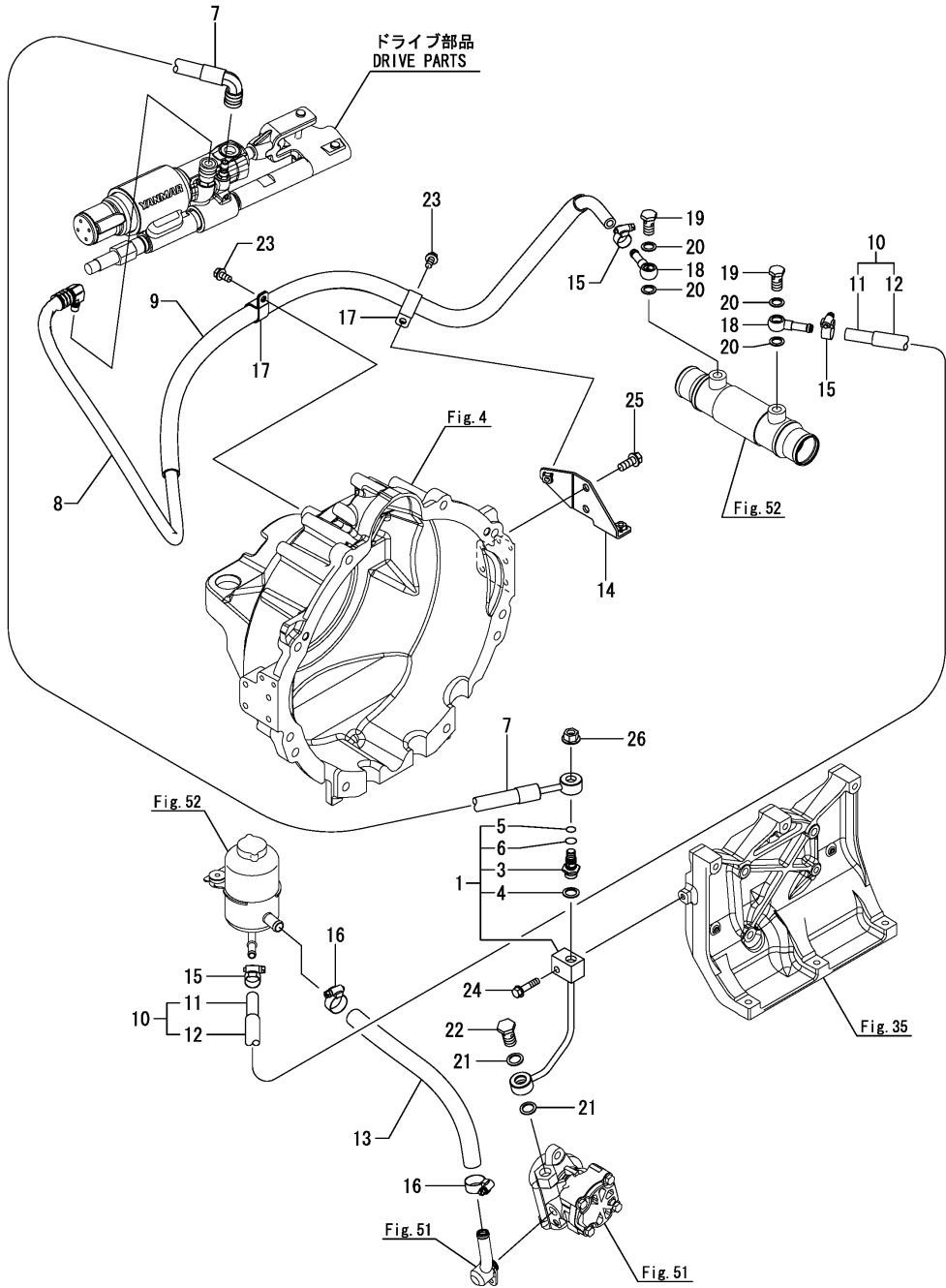
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119799-26100	PUMP ASSY,VANE				1	1	1		
2	1	119799-26110	RING,O				1	1	1		
3	1	119799-26200	JOINT, PUMP IN				1	1	1		
4	1	24351-190160	O-RING, 1A 19016				1	1	1		
5	1	26106-080122	BOLT M 8X 12 PLATED				1	1	1		
6	1	26376-100002	U-NUT M10				2	2	2		



Fig. 65

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119799-26800	OIL COOLER CMP				1	1	1		
2	1	119798-55720	BRACKET,FO COOLER				1	1	1		
3	1	119798-55770	BAND A,FO COOLER				2	2	2		
4	1	119798-55780	BAND B,FO COOLER				2	2	2		
5	1	23414-130000	GASKET 13, ROUND				1	1	1		
6	1	23894-020002	PLUG G1/4,HEX.				1	1	1		
7	1	26106-080162	BOLT M 8X 16 PLATED				2	2	2		
8	1	26106-080202	BOLT M 8X 20 PLATED				4	4	4		
9	1	119799-26530	BRACKET, ATF TANK				1	1	1		
10	1	196346-34860	TANK, OIL				1	1	1		
11	1	26106-060202	BOLT M 6X 20 PLATED				2	2	2		
12	1	26106-080122	BOLT M 8X 12 PLATED				2	2	2		

Fig.53. POWER STEERING PIPE

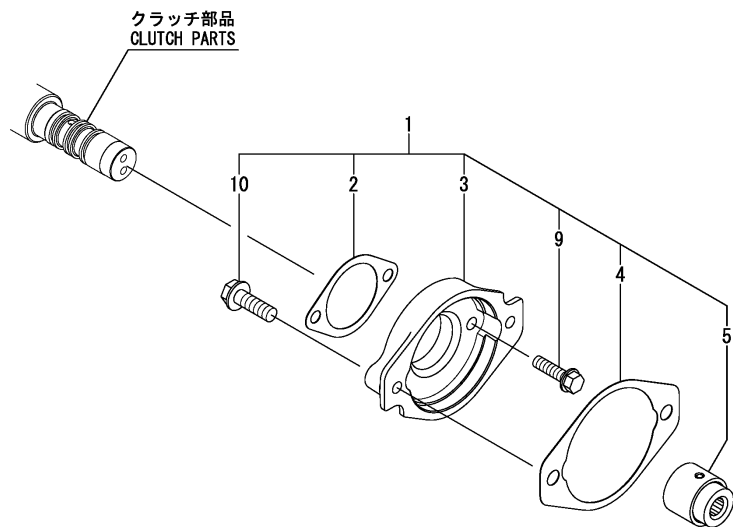


(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119799-26150	PIPE ASSY, JOINT ATF				1	1	1		
3	2	119799-26170	JOINT BOLT,ATF				1	1	1		
4	2	22190-160006	SEAL WASHER 16				1	1	1		
5	2	24356-190110	PACKING, 19011				1	1	1		
6	2	24356-190130	O-RING 4D 19013				1	1	1		
7	1	119778-26401	PIPE, INLET				1	1	1		
8	1	119778-26411	PIPE,ATF COOLER				1	1	1		
9	1	119799-26520	PROTECTOR, PIPE 19				1	1	1		
10	1	119799-26540	HOSE ASSY, ATF				1	1	1		
11	2	119799-26550	HOSE, ATF 10				1	1	1		
12	2	119799-26600	COVER, HOSE 18				1	1	1		
13	1	119799-26570	HOSE, ATF 16				1	1	1		
14	1	119799-26580	BRACKET ,CSW PIPE				1	1	1		
15	1	119172-48190	CLIP, HOSE				3	3	3		
16	1	119172-48250	CLIP, HOSE				2	2	2		
17	1	121575-49310	CLAMP				2	2	2		
18	1	119799-59210	JOINT, FO				2	2	2		
19	1	148616-59430	BOLT M14, JOINT				2	2	2		
20	1	22190-140006	WASHER, SEAL 14				4	4	4		
21	1	22190-160006	SEAL WASHER 16				2	2	2		
22	1	23857-100000	JOINT BOLT 10				1	1	1		
23	1	26106-080162	BOLT M 8X 16 PLATED				2	2	2		
24	1	26106-080352	BOLT M 8X 35 PLATED				1	1	1		
25	1	26106-100252	BOLT M10X 25 PLATED				2	2	2		
26	1	26376-120002	U-NUT M12				1	1	1		

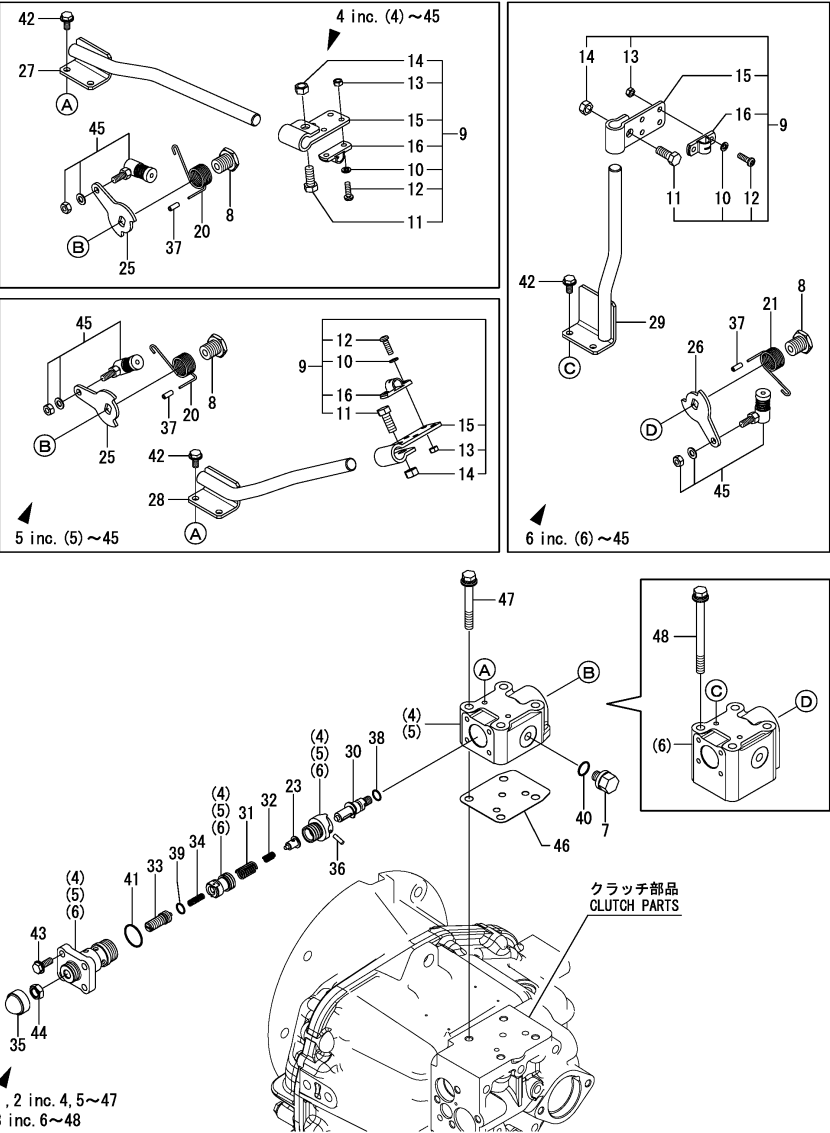
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=8LV320 (B)=8LV350 (C)=8LV370						(D)=8LV320Z (E)=8LV350Z (F)=8LV370Z						I	R
				(A)	(B)	(C)	(D)	(E)	(F)								
1	1	119798-81110	KMH50AG-8LV(2.43M	1	1	1											1
2	1	119798-81120	KMH50AS-8LV(2.13M	1	1	1											2
3	1	119798-81130	KMH50ASS-8LV(1.67M	1	1	1											3
4	1	119798-81160	KMH50AG-8LV(2.43E	1	1	1											4
5	1	119798-81170	KMH50AS-8LV(2.13E	1	1	1											5
6	1	119798-81180	KMH50ASS-8LV(1.67E	1	1	1											6
7	1	119798-81210	KMH52VGG-8LV(2.47M	1	1	1											7
8	1	119798-81220	KMH52VG-8LV(2.08M	1	1	1											8
9	1	119798-81230	KMH52VS-8LV(1.58M	1	1	1											9
10	1	119798-81240	KMH52VSS-8LV(1.22M	1	1	1											A
11	1	119798-81260	KMH52VGG-8LV(2.47E	1	1	1											B
12	1	119798-81270	KMH52VG-8LV(2.08E	1	1	1											C
13	1	119798-81280	KMH52VS-8LV(1.58E	1	1	1											D
14	1	119798-81290	KMH52VSS-8LV(1.22E	1	1	1											E

Remarks
*This figure are not illustrated.
(1)KMH50A i=2.43 Wire remo-con type
(2)KMH50A i=2.13 Wire remo-con type
(3)KMH50A i=1.67 Wire remo-con type
(4)KMH50A i=2.43 Magnetic type
(5)KMH50A i=2.13 Magnetic type
(6)KMH50A i=1.67 Magnetic type
(7)KMH52V i=2.47 Wire remo-con type
(8)KMH52V i=2.08 Wire remo-con type
(9)KMH52V i=1.58 Wire remo-con type
(A)KMH52V i=1.22 Wire remo-con type
(B)KMH52V i=2.47 Magnetic type
(C)KMH52V i=2.08 Magnetic type
(D)KMH52V i=1.58 Magnetic type
(E)KMH52V i=1.22 Magnetic type



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	777524-02121	FLANGE,SAE#A KIT PTO	1	1	1					
2	2	177524-02210	GASKET, COVER PTO	1	1	1					
3	2	177524-02221	FLANGE,SAE#A	1	1	1					
4	2	177524-02230	GASKET,SAE#A	1	1	1					
5	2	177524-03701	SLEEVE,SPLINE#A CMP	1	1	1					
9	2	26106-080302	BOLT M 8X 30 PLATED	2	2	2					
10	2	26106-100352	BOLT M10X 35 PLATED	2	2	2					

Fig.56. TROLLING VALVE(A2/OPTIONAL)



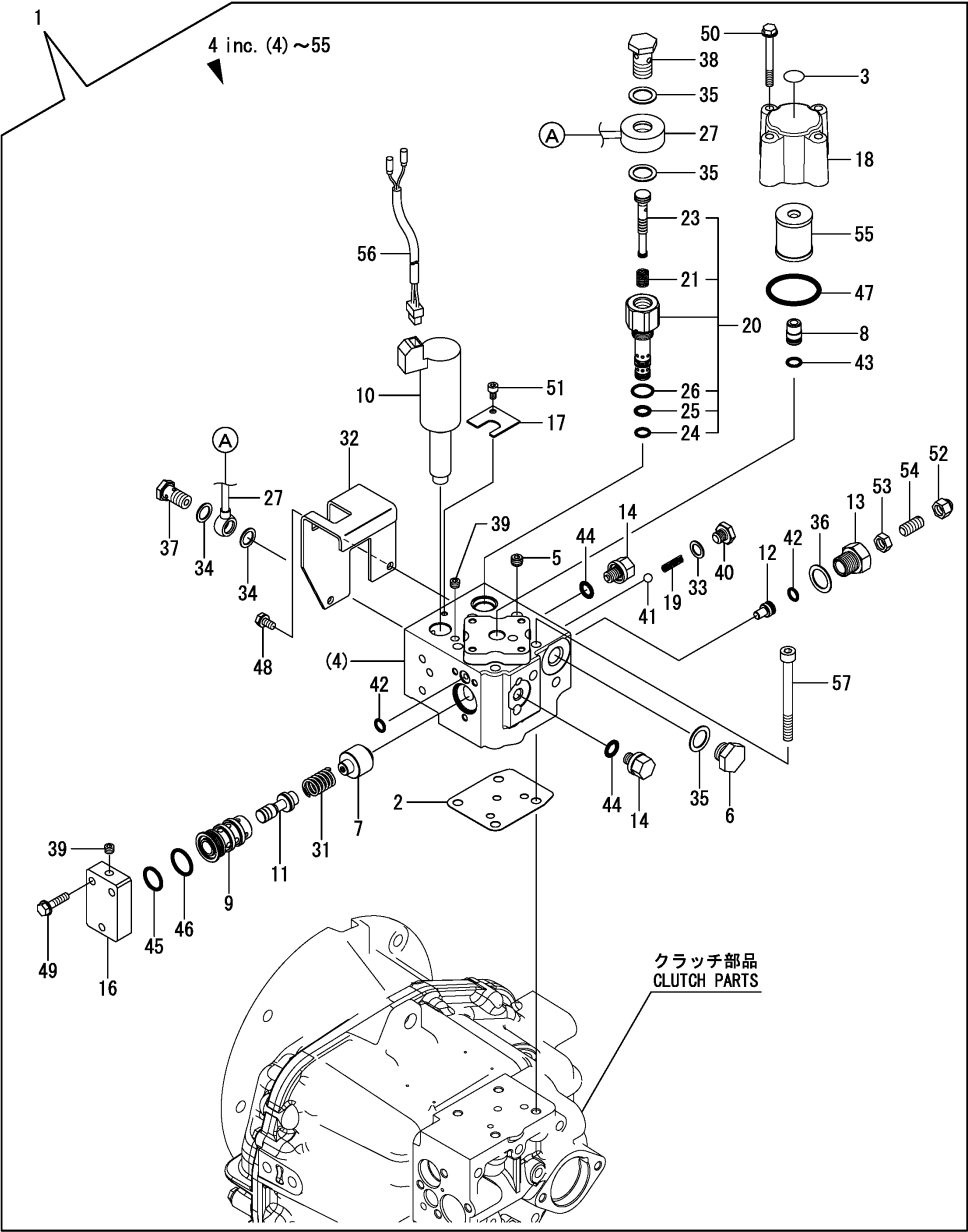
Remarks
(1)No.1,2,3 are different in wiring direction and angle of a cable.
(2)For No.1,2
(3)For No.3
(4)For No.1
(5)For No.2

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	777524-04430	VALVE KIT,TROLLING1	1	1	1					1
2	1	777524-04440	VALVE KIT,TROLLING2	1	1	1					1
3	1	777524-04460	VALVE KIT,TROLLING4	1	1	1					1
4	2	177524-04481	VALVE ASSY, TROLLING	1	1	1					
5	2	177524-04491	VALVE ASSY, TROLLING	1	1	1					
6	2	177524-04471	VALVE ASSY, TROLLING	1	1	1					
7	3	177524-04420	PLUG M10X1.0	1	1	1					
8	3	177068-04481	NUT	1	1	1					
9	3	177061-04490	BRACKET ASSY, CABLE	1	1	1					
10	4	22212-050000	WASHER 5	2	2	2					
11	4	26116-080202	BOLT M 8X 20 PLATED	1	1	1					
12	4	26557-050162	SCREW, M5X16	2	2	2					
13	4	26716-050002	NUT, M5	2	2	2					
14	4	26716-080002	NUT M 8	1	1	1					
15	4	41701-001720	BRACKET	1	1	1					
16	4	41710-000410	CLAMP	1	1	1					
20	3	177524-04540	SPRING, RETURN	1	1	1					2
21	3	177068-04492	SPRING, RETURN	1	1	1					3
23	3	177524-04552	SPACER, TROLLING	1	1	1					
25	3	177510-04560	LEVER, TROLLING	1	1	1					2
26	3	177524-04720	LEVER, TROLLING	1	1	1					3
27	3	177524-04560	BRACKET, WIRE	1	1	1					4
28	3	177524-04570	BRACKET, WIRE	1	1	1					5
29	3	177524-04590	BRACKET, WIRE	1	1	1					3
30	3	177040-04571	SHAFT	1	1	1					
31	3	177524-04620	SPRING(A), VALVE	1	1	1					
32	3	177524-04630	SPRING(B), VALVE	1	1	1					
33	3	177057-04620	SCREW	1	1	1					
34	3	177040-04630	SPRING	1	1	1					
35	3	177040-04640	COVER	1	1	1					
36	3	22312-040100	PARALLEL PIN 4X10	1	1	1					
37	3	22351-040012	SPRING PIN 4X12	1	1	1					
38	3	24311-000090	O-RING 1A P-9.0	1	1	1					
39	3	24311-000090	O-RING 1A P-9.0	1	1	1					
40	3	24311-000120	O-RING 1A P-12.0	1	1	1					
41	3	24311-000210	O-RING 1A P-21.0	1	1	1					
42	3	26106-060122	BOLT M 6X 12 PLATED	2	2	2					
43	3	26106-060162	BOLT M 6X 16 PLATED	4	4	4					
44	3	26776-100002	LOCK NUT M10 PLATED	1	1	1					
45	3	41710-000790	JOINT	1	1	1					
46	2	177524-04531	GASKET, TROLLING	1	1	1					
47	2	26016-080602	BOLT M 8X 60	4	4	4					2
48	2	26016-080802	BOLT M 8X 80	4	4	4					3

Fig.57. ELECTRONIC TROLLING(TYPE-E/OPTIONAL)

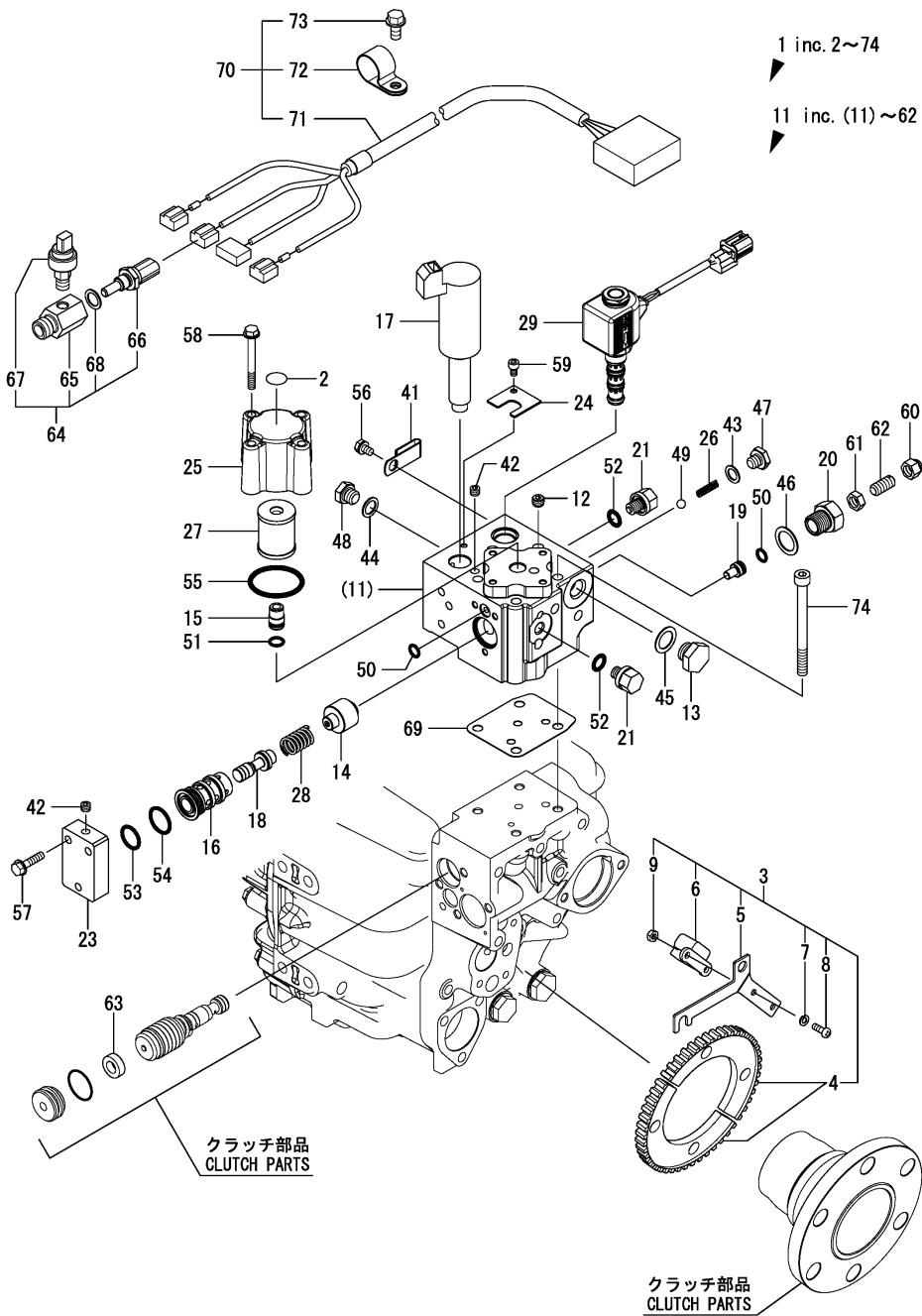


(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	777522-04712	TROLLING KIT,TYPE-E	1	1	1					
2	2	177524-04531	GASKET, TROLLING	1	1	1					
3	2	177523-02911	STICKER, STRAINER	1	1	1					
4	2	177523-04502	VALVE ASSY, TROLLING	1	1	1					
5	3	124060-01050	PLUG, PT1/8	8	8	8					
6	3	177035-02920	PLUG M16X1.5,MAGNET.	1	1	1					
7	3	177503-04183	VALVE	1	1	1					
8	3	177503-04200	PIPE, COOLING WATER	1	1	1					
9	3	177523-04250	SLEEVE, VALVE	1	1	1					
10	3	177503-04260	VALVE	1	1	1					
11	3	177523-04260	VALVE, TROLLING EB	1	1	1					
12	3	177068-04370	COVER	1	1	1					
13	3	177068-04380	PLUG,RELIEF VALVE	1	1	1					
14	3	177524-04420	PLUG M10X1.0	2	2	2					
16	3	177523-04520	COVER, TROLLING	1	1	1					
17	3	177523-04530	BRACKET, VALVE	1	1	1					
18	3	177523-04540	CASE, STRAINER	1	1	1					
19	3	177040-04630	SPRING	1	1	1					
20	3	177523-04640	VALVE, ASSY DIRECT	1	1	1					
21	4	177523-04650	SPRING	1	1	1					
23	4	177523-04670	VALVE ,DIRECT CONECT	1	1	1					
24	4	24311-000100	O-RING 1A P-10.0	1	1	1					
25	4	24311-240100	O-RING 1A P-10A	1	1	1					
26	4	24351-190160	O-RING, 1A 19016	1	1	1					
27	3	177523-04690	PIPE CMP	1	1	1					
31	3	177068-04871	SPRING NO.3	1	1	1					
32	3	177523-04870	COVER, TROLLING	1	1	1					
33	3	23414-100000	GASKET 10, ROUND	1	1	1					
34	3	23414-120000	GASKET 12, ROUND	2	2	2					
35	3	23414-160000	GASKET 16, ROUND	3	3	3					
36	3	23414-180000	GASKET 18, ROUND	1	1	1					
37	3	23857-060000	JOINT BOLT 6,PIPE	1	1	1					
38	3	23857-100000	JOINT BOLT 10	1	1	1					
39	3	194555-77120	PLUG	12	12	12					
40	3	23887-100002	PLUG 10	1	1	1					
41	3	24190-090001	BALL 9/32	1	1	1					
42	3	24311-000090	O-RING 1A P-9.0	2	2	2					
43	3	24311-000100	O-RING 1A P-10.0	1	1	1					
44	3	24311-000120	O-RING 1A P-12.0	2	2	2					
45	3	24311-000180	O-RING 1A P-18.0	1	1	1					
46	3	24311-000210	O-RING 1A P-21.0	1	1	1					
47	3	24321-000400	O-RING 1A G-40.0	1	1	1					
48	3	26013-060102	BOLT M 6X 10	2	2	2					
49	3	26106-060252	BOLT M 6X 25 PLATED	3	3	3					
50	3	26106-060552	BOLT M 6X 55 PLATED	4	4	4					
51	3	26450-050082	BOLT, M5X8	1	1	1					
52	3	26657-100002	CAP NUT M10	1	1	1					
53	3	26756-100002	LOCK NUT M10 PLATED	1	1	1					
54	3	26911-100222	SCREW 10* 22	1	1	1					
55	3	177129-04830	ELEMENT	1	1	1					
56	2	177523-04610	CONNECTER,P VALVE	1	1	1					

[illegible]

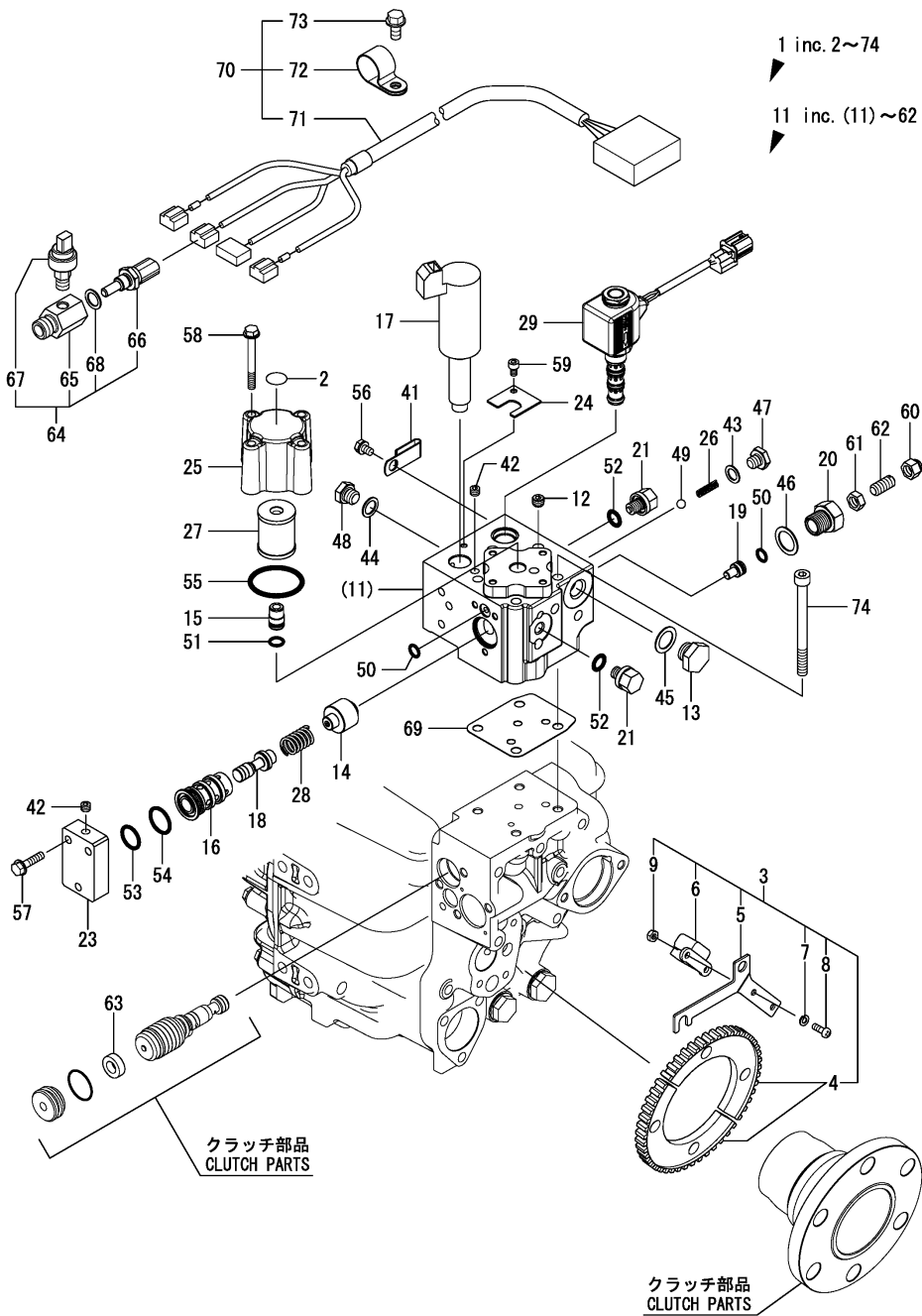
Fig.58. ELECTRONIC TROLLING(TYPE-C/OPTIONAL)



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	777523-04810	TROLLING C KIT,DECU	1	1	1					
2	2	177523-02911	STICKER, STRAINER	1	1	1					
3	2	177523-04100	OUTPUT REV ASSY	1	1	1					
4	3	177523-03800	GEAR, SENSOR Z=68	2	2	2					
5	3	177523-04110	BRACKET, SENSOR	1	1	1					
6	3	177129-04690	SENSOR	1	1	1					
7	3	22217-040000	SPRING WASHER 4	2	2	2					
8	3	26557-040122	SCREW, M4X12	2	2	2					
9	3	26716-040002	NUT M 4	2	2	2					
11	2	177523-04401	VALVE ASSY, TROLLING	1	1	1					
12	3	124060-01050	PLUG, PT1/8	8	8	8					
13	3	177035-02920	PLUG M16X1.5,MAGNET.	1	1	1					
14	3	177503-04183	VALVE	1	1	1					
15	3	177503-04200	PIPE, COOLING WATER	1	1	1					
16	3	177503-04211	SLEEVE	1	1	1					
17	3	177503-04260	VALVE	1	1	1					
18	3	177523-04360	VALVE, TROLLING C	1	1	1					
19	3	177068-04370	COVER	1	1	1					
20	3	177068-04380	PLUG,RELIEF VALVE	1	1	1					
21	3	177524-04420	PLUG M10X1.0	2	2	2					
23	3	177523-04520	COVER, TROLLING	1	1	1					
24	3	177523-04530	BRACKET, VALVE	1	1	1					
25	3	177523-04540	CASE, STRAINER	1	1	1					
26	3	177040-04630	SPRING	1	1	1					
27	3	177129-04830	ELEMENT	1	1	1					
28	3	177068-04881	SPRING NO.4	1	1	1					
29	3	177511-04920	VALVE, 12V	1	1	1					
41	3	194440-51620	CLAMP, WIRE HARNESS	1	1	1					
42	3	194555-77120	PLUG	12	12	12					
43	3	23414-100000	GASKET 10, ROUND	1	1	1					
44	3	23414-120000	GASKET 12, ROUND	1	1	1					
45	3	23414-160000	GASKET 16, ROUND	1	1	1					
46	3	23414-180000	GASKET 18, ROUND	1	1	1					
47	3	23887-100002	PLUG 10	1	1	1					
48	3	23887-120002	PLUG M12,HEX.	1	1	1					
49	3	24190-090001	BALL 9/32	1	1	1					
50	3	24311-000090	O-RING 1A P-9.0	2	2	2					
51	3	24311-000100	O-RING 1A P-10.0	1	1	1					
52	3	24311-000120	O-RING 1A P-12.0	2	2	2					
53	3	24311-000180	O-RING 1A P-18.0	1	1	1					
54	3	24311-000210	O-RING 1A P-21.0	1	1	1					
55	3	24321-000400	O-RING 1A G-40.0	1	1	1					
56	3	26013-060102	BOLT M 6X 10	1	1	1					
57	3	26106-060252	BOLT M 6X 25 PLATED	3	3	3					
58	3	26106-060552	BOLT M 6X 55 PLATED	4	4	4					
59	3	26450-050082	BOLT, M5X8	1	1	1					
60	3	26657-100002	CAP NUT M10	1	1	1					
61	3	26756-100002	LOCK NUT M10 PLATED	1	1	1					
62	3	26911-100222	SCREW 10* 22	1	1	1					
63	2	177523-04440	SPACER	1	1	1					
64	2	177523-04460	SENSOR ASSY	1	1	1					

Fig.58. ELECTRONIC TROLLING(TYPE-C/OPTIONAL)



(A)=8LV320 (D)=8LV320Z
(B)=8LV350 (E)=8LV350Z
(C)=8LV370 (F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
65	3	177523-04430	FITTING, NPTF3/8	1	1	1					
66	3	119254-44910	SENSOR ASSY, THERMO	1	1	1					
67	3	119578-91300	SENSOR, PRESSURE	1	1	1					
68	3	23414-120000	GASKET 12, ROUND	1	1	1					
69	2	177524-04531	GASKET, TROLLING	1	1	1					
70	2	177523-04580	HARNESS C ASSY, DECU	1	1	1					
71	3	177523-04590	HARNESS C-TRO, DECU	1	1	1					
72	3	23297-250081	RETAINER, A27X12	1	1	1					
73	3	26106-080162	BOLT M 8X 16 PLATED	1	1	1					
74	2	26450-080952	BOLT 8X95,HEX.SKT.HD	4	4	4					

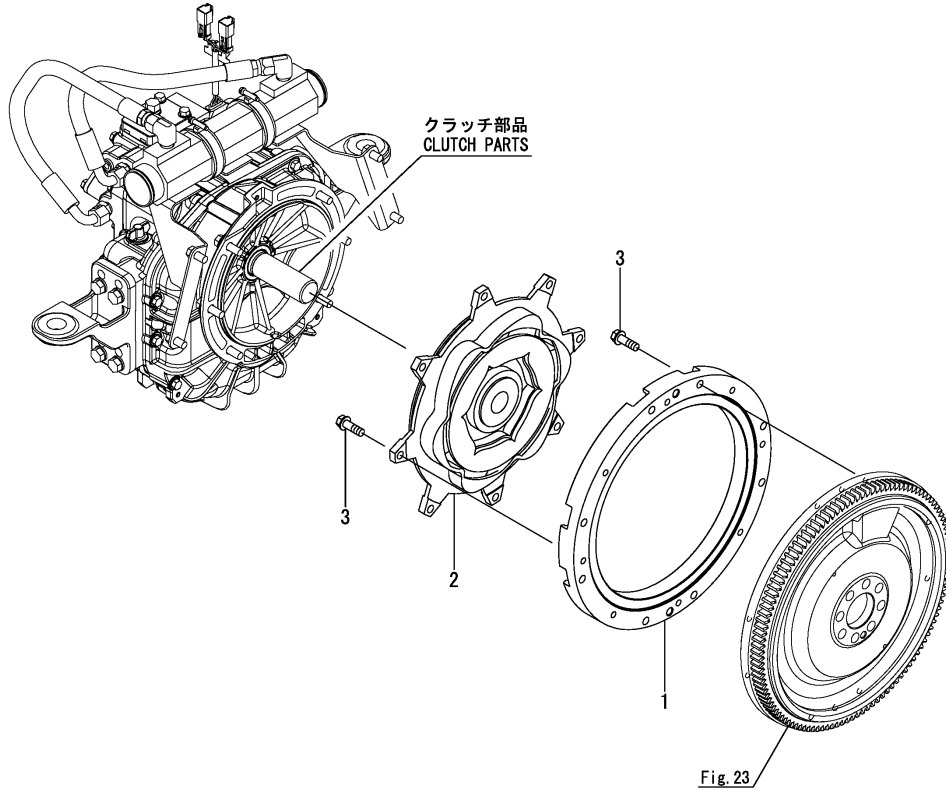
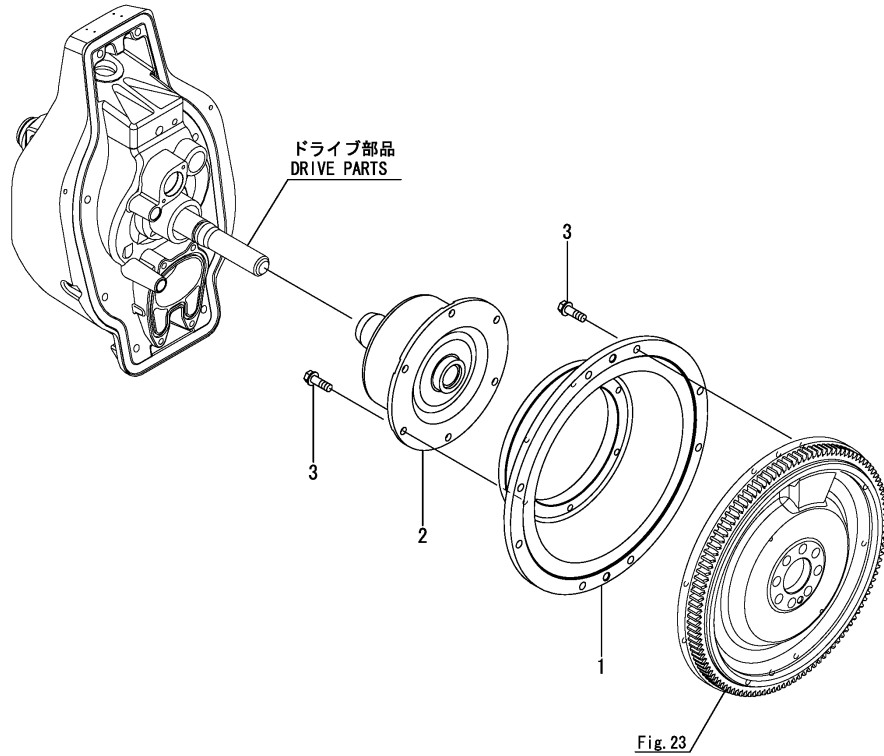


Fig. 23

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-21540	SPACER, CF-R-136	1	1	1					
2	1	119798-85530	COUPLING,CF-R-136-T6	1	1	1					
3	1	26136-100302	BOLT	16	16	16					

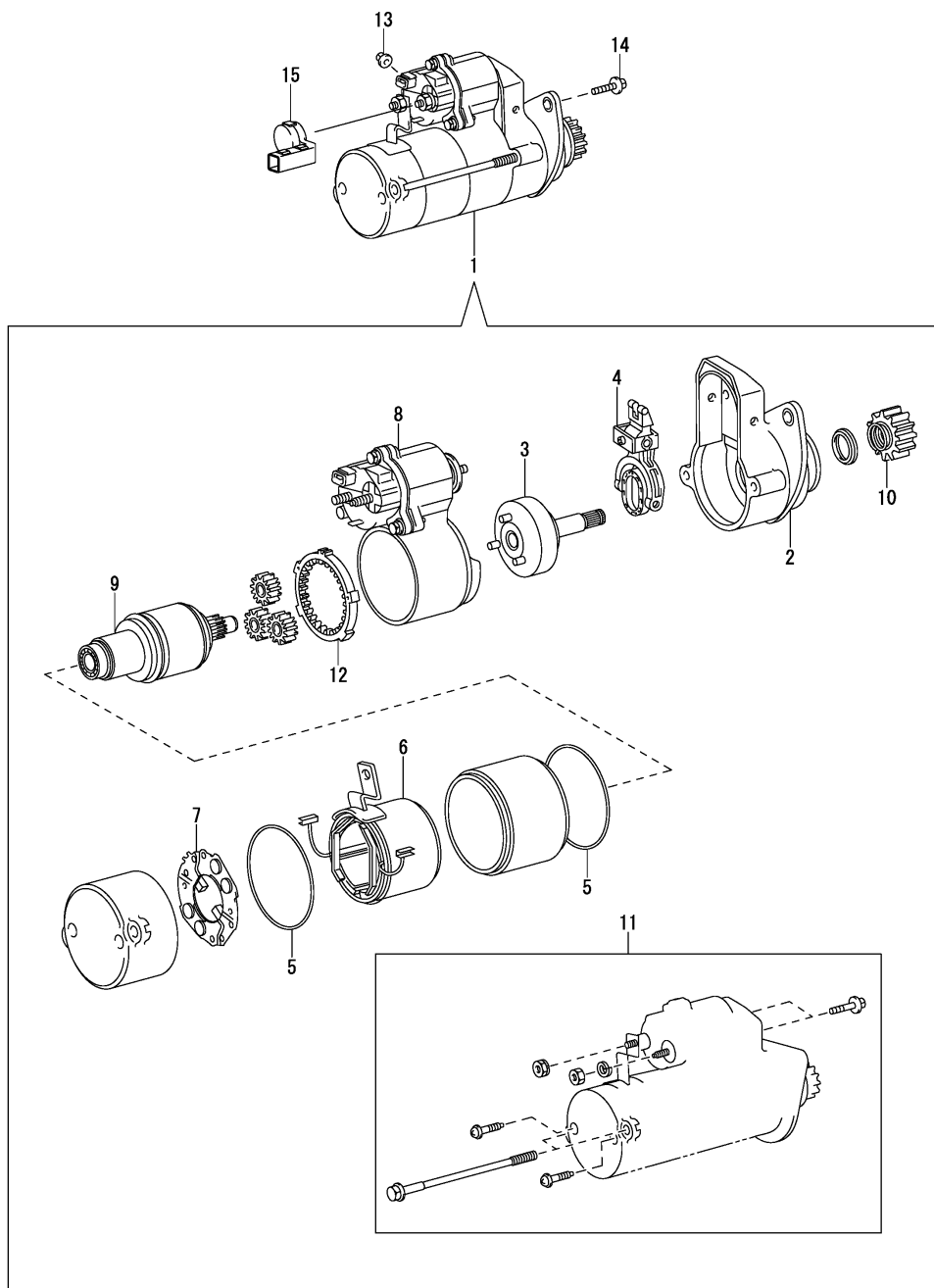


0CR10-G82200 60. DRIVE ADAPTER

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119799-21520	SPACER, FLYWHEEL				1	1	1		
2	1	196350-23010	COUPLING LC-6000				1	1	1		
3	1	26136-100302	BOLT				14	14	14		



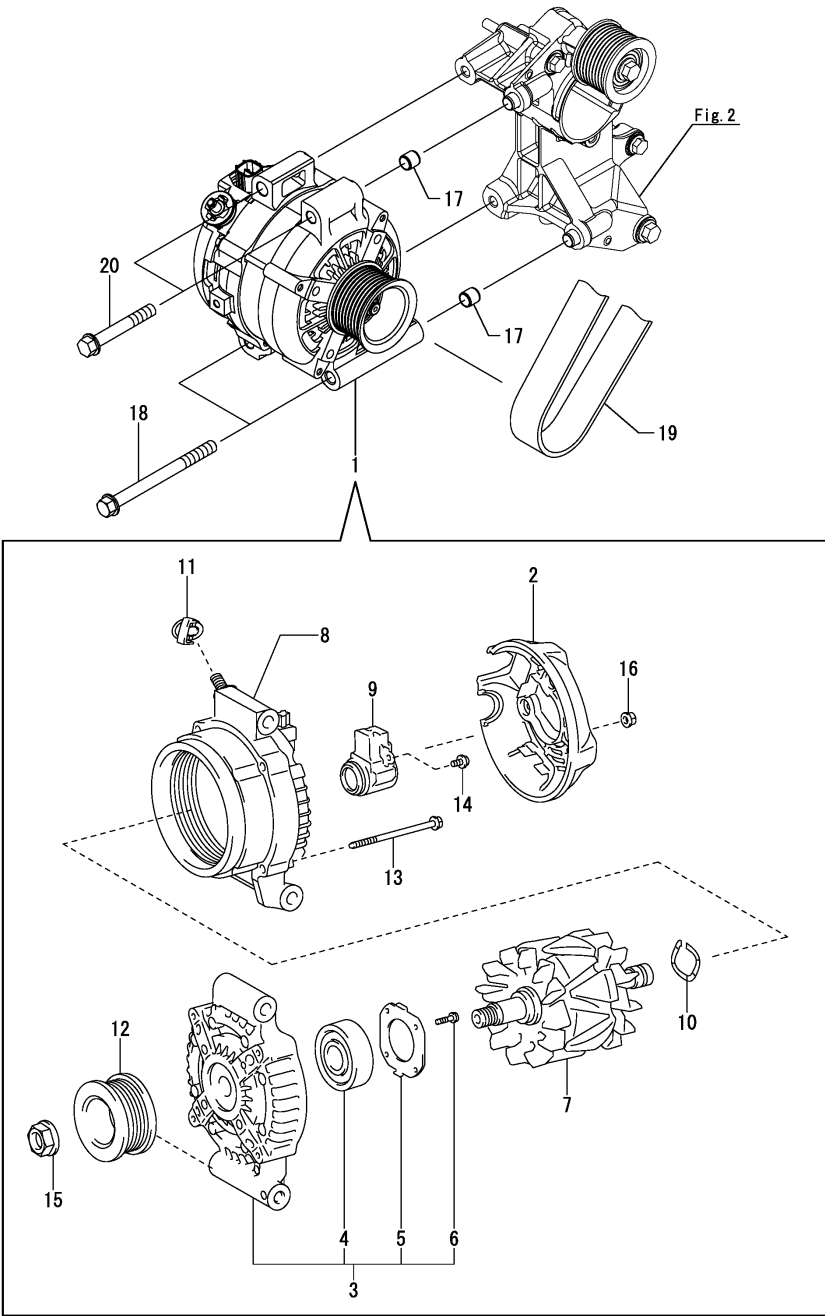
0CR10-G82200 61. STARTING MOTOR

(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

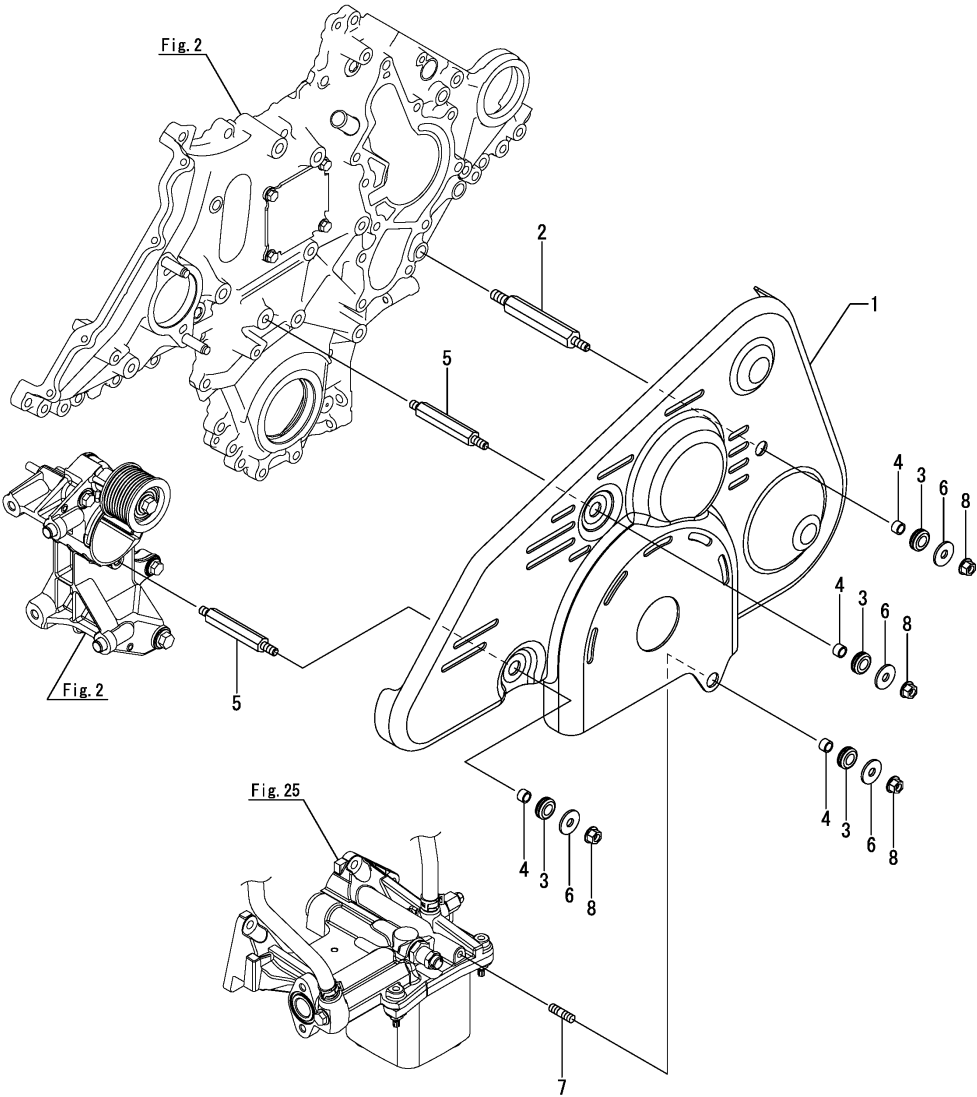
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-77010	STARTER ASSY	1	1	1	1	1	1		
2	2	119798-77120	HOUSING ASSY,STARTER	1	1	1	1	1	1		
3	2	119798-77140	CLUTCH ASSY,STARTER	1	1	1	1	1	1		
4	2	119798-77150	LEVER,STARTER PINION	1	1	1	1	1	1		
5	2	119798-77160	RUBBER,STARTER	2	2	2	2	2	2		
6	2	119798-77170	YOKE ASSY, STARTER	1	1	1	1	1	1		
7	2	119798-77180	HOLDER ASSY,STARTER	1	1	1	1	1	1		
8	2	119798-77190	SWITCH ASSY,MAGNET S	1	1	1	1	1	1		
9	2	119798-77390	ARMATURE ASSY,STARTE	1	1	1	1	1	1		
10	2	119798-77400	PINION,STARTER CLUTC	1	1	1	1	1	1		
11	2	119798-77410	STARTER KIT,REPAIR S	1	1	1	1	1	1		
12	2	119798-77420	GEAR,STARTER INTERNA	1	1	1	1	1	1		
13	1	119798-77020	NUT,W/WASHER M10X1.5	1	1	1	1	1	1		
14	1	119798-77030	BOLT,FLANGE M12XL40	2	2	2	2	2	2		
15	1	119798-77990	TERMINAL,CAP	1	1	1	1	1	1		

Fig.62. GENERATOR



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-77200	ALTERNATOR ASSY,W/RE	1	1	1	1	1	1		
2	2	119798-77230	COVER ASSY, END, RR	1	1	1	1	1	1		
3	2	119798-77240	FRAME ASSY,DRIVE END	1	1	1	1	1	1		
4	3	119798-77250	BEARING	1	1	1	1	1	1		
5	3	119798-77260	PLATE,BEARING RETAIN	1	1	1	1	1	1		
6	3	119798-77360	SCREW,BEARING RETAIN	4	4	4	4	4	4		
7	2	119798-77270	ROTOR ASSY,ALTERNATO	1	1	1	1	1	1		
8	2	119798-77280	COIL ASSY,ALTERNATOR	1	1	1	1	1	1		
9	2	119798-77290	HOLDER ASSY,ALT BRUS	1	1	1	1	1	1		
10	2	119798-77300	WASHER, ALTERNATOR	1	1	1	1	1	1		
11	2	119798-77310	INSULATION,WASHER TR	1	1	1	1	1	1		
12	2	119798-77320	PULLEY,ALTERNATOR	1	1	1	1	1	1		
13	2	119798-77330	BOLT,THROUGH	4	4	4	4	4	4		
14	2	119798-77340	SCREW,ALT BRUSH	2	2	2	2	2	2		
15	2	119798-77370	NUT,PULLEY LOCK	1	1	1	1	1	1		
16	2	119798-77380	NUT,COVER	3	3	3	3	3	3		
17	1	119798-77210	PIN,RING D13XL12	2	2	2	2	2	2		
18	1	119798-77220	BOLT,FLANGE M10XL120	2	2	2	2	2	2		
19	1	119798-77350	BELT,V-RIBBED	1	1	1	1	1	1		
20	1	26136-100702	BOLT, 10 X 70	2	2	2	2	2	2		

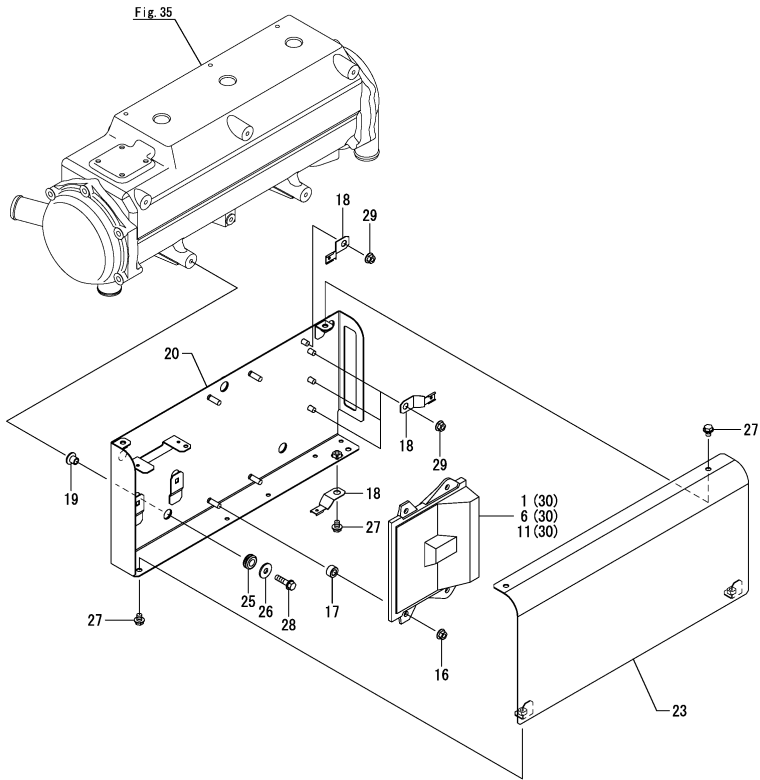
Fig.63. BELT COVER



OCR10-G82200 63. BELT COVER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-09400	COVER,BELT	1	1	1	1	1	1		
2	1	119798-09410	BOLT,BELT COVER	1	1	1	1	1	1		
3	1	105100-55501	GROMMET	4	4	4	4	4	4		
4	1	105100-55540	COLLAR, FUEL TANK	4	4	4	4	4	4		
5	1	119578-77450	BOLT,SPACER B	2	2	2	2	2	2		
6	1	22157-080000	WASHER 8	4	4	4	4	4	4		
7	1	26216-080202	STUD M 8X 20 PLATED	1	1	1	1	1	1		
8	1	26366-080002	NUT M 8	4	4	4	4	4	4		

Fig.64. ENGINE CONTROL UNIT

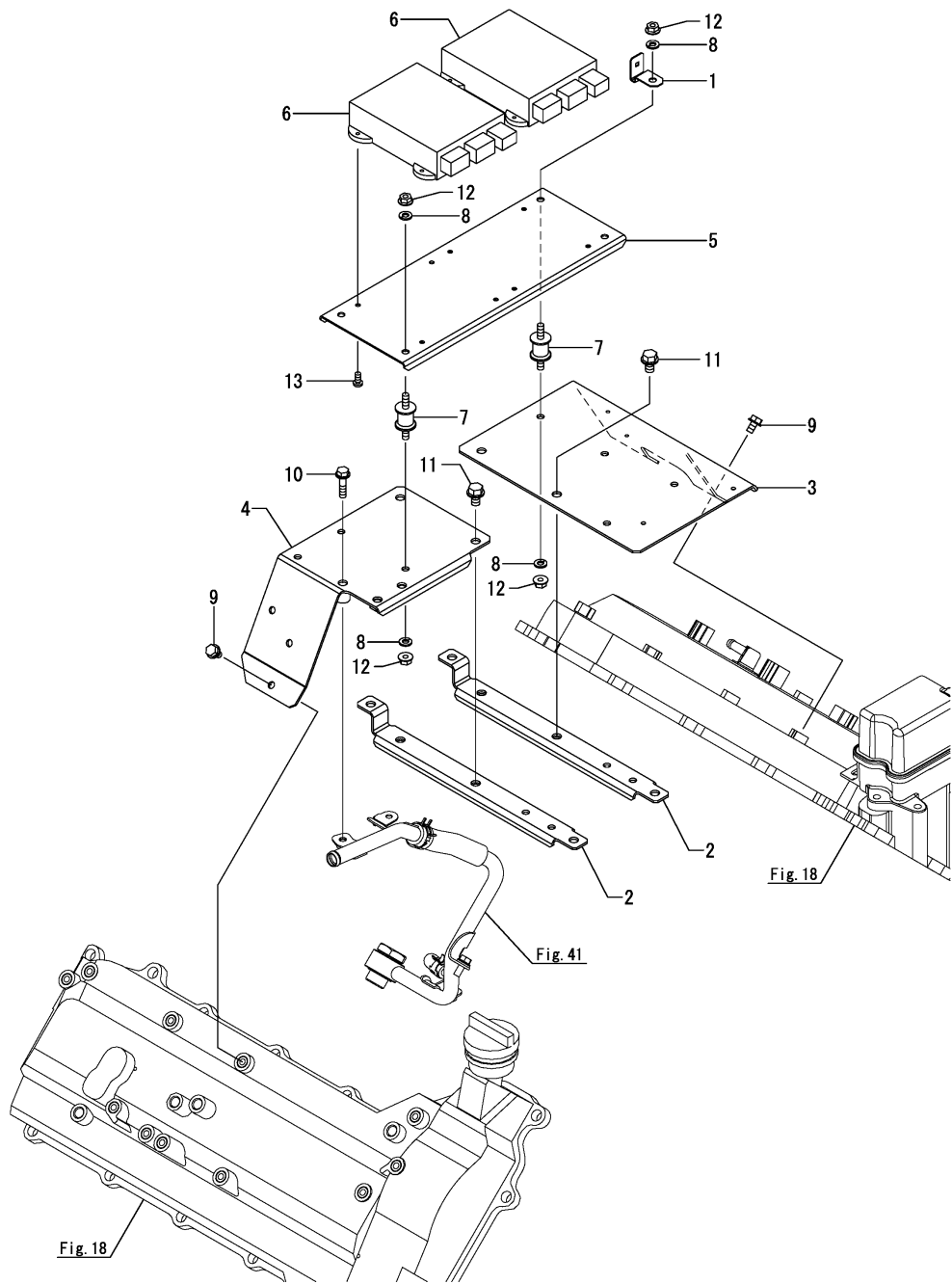


Remarks
(1) Eco ECU
This part cannot be ordered.
Replace the part using a Service ECU with the proper engine information installed.
(2) Service ECU
If the proper information is not installed, the engine will not operate.
To install proper information, go to an authorized Distributor.

OCR10-G82200 64. ENGINE CONTROL UNIT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-75100	ECU CMP, 8LV370			1			1		1
6	1	119798-75200	ECU CMP, 8LV350		1			1			1
11	1	119798-75300	ECU CMP, 8LV320	1			1				1
16	1	26366-080002	NUT M 8	4	4	4	4	4	4		
17	1	119266-55620	SPACER	4	4	4	4	4	4		
18	1	119578-75610	CLIP, CONNECTOR	5	5	5	5	5	5		
19	1	119578-77680	COLLAR	5	5	5	5	5	5		
20	1	119798-77800	ECU BOX	1	1	1	1	1	1		
23	1	119798-77880	COVER, ECU-BOX	1	1	1	1	1	1		
25	1	119578-91351	RUBBER, CUSHION	5	5	5	5	5	5		
26	1	22157-080000	WASHER 8	5	5	5	5	5	5		
27	1	26106-080102	BOLT M 8X 10 PLATED	5	5	5	5	5	5		
28	1	26106-080302	BOLT M 8X 30 PLATED	5	5	5	5	5	5		
29	1	26366-080002	NUT M 8	4	4	4	4	4	4		
30	1	1R1808-00900	ECU HARD,8LV	1	1	1	1	1	1		2

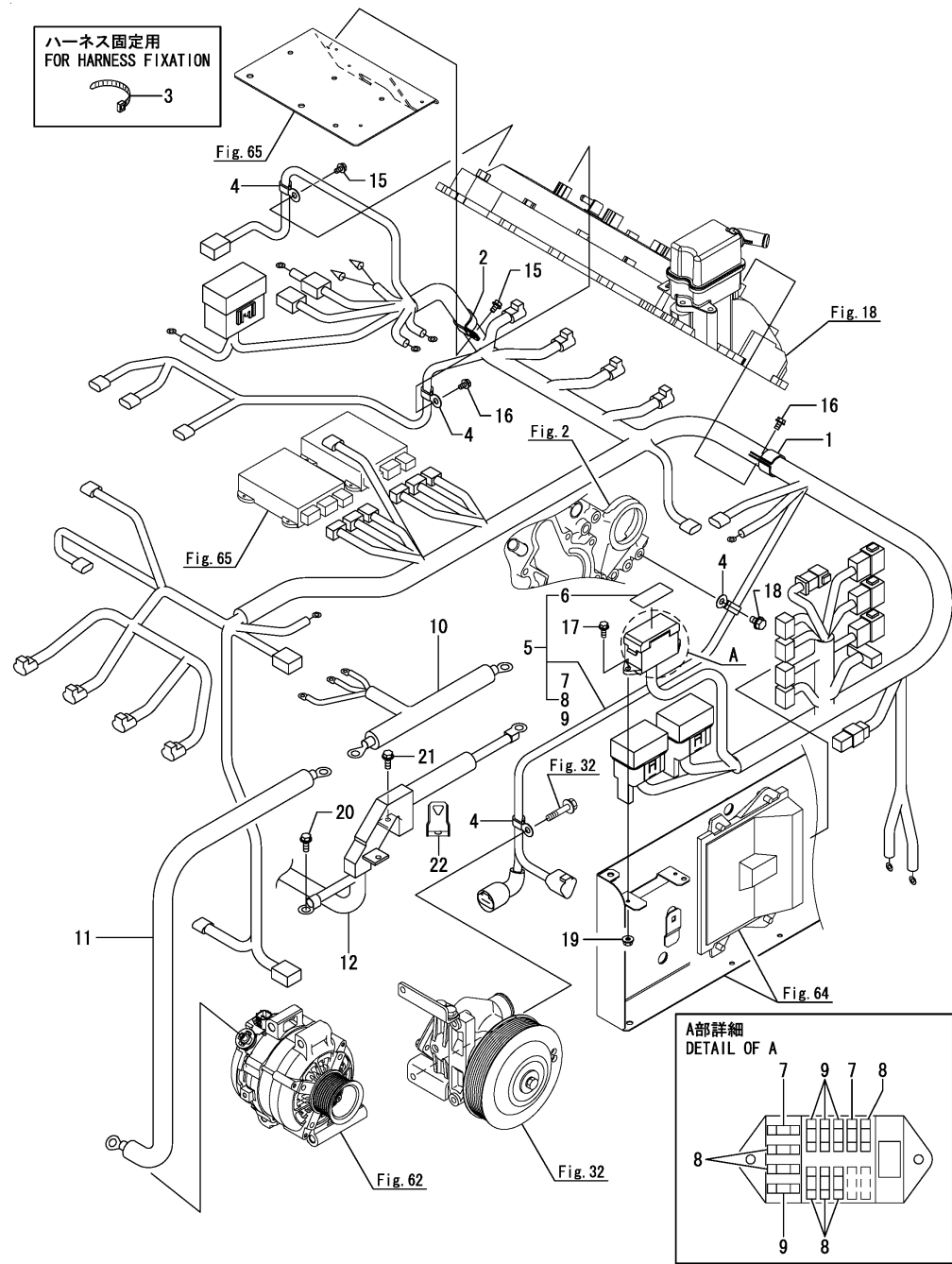
Fig.65. ELECTRONIC DRIVE UNIT



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-77650	BRACKET, RELAY BOX	1	1	1	1	1	1		
2	1	119798-77710	BRACKET, EDU A	2	2	2	2	2	2		
3	1	119798-77720	BRACKET, EDU B	1	1	1	1	1	1		
4	1	119798-77731	BRACKET, EDU C	1	1	1	1	1	1		
5	1	119798-77740	BRACKET, EDU D	1	1	1	1	1	1		
6	1	119798-77900	DRIVER, INJECTOR	2	2	2	2	2	2		
7	1	119175-91050	CUSHION	4	4	4	4	4	4		
8	1	22217-060000	SPRING WASHER 6	8	8	8	8	8	8		
9	1	26106-060102	BOLT 6X 10 PLATED	3	3	3	3	3	3		
10	1	26106-060252	BOLT M 6X 25 PLATED	1	1	1	1	1	1		
11	1	26106-080122	BOLT M 8X 12 PLATED	4	4	4	4	4	4		
12	1	26366-060002	NUT M 6	8	8	8	8	8	8		
13	1	26557-040082	SCREW, M4X8	8	8	8	8	8	8		

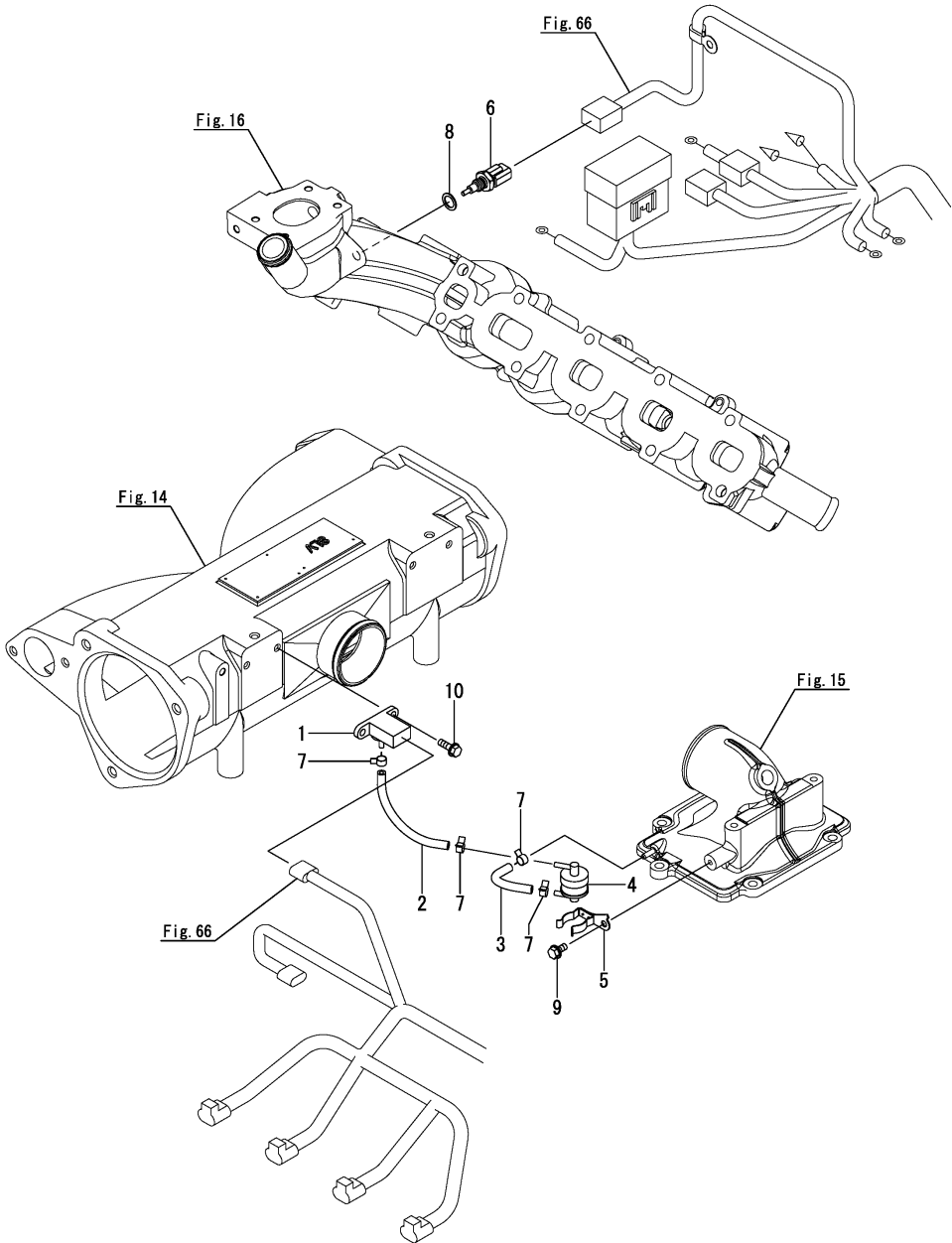
Fig.66. WIRE HARNESS



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119578-39200	RETAINER, PIPE	1	1	1	1	1	1		
2	1	121575-49310	CLAMP	1	1	1	1	1	1		
3	1	194250-51660	BAND 250	4	4	4	4	4	4		
4	1	105430-67110	CLAMP	4	4	4	4	4	4		
5	1	119798-77061	HARNESS, WIRE ENG	1	1	1	1	1	1		
6	2	119798-07810	LABEL, FUSE LOCATION	1	1	1	1	1	1		
7	2	127677-77110	FUSE, 32V-7.5A	2	2	2	2	2	2		
8	2	127677-77120	FUSE, 32V-10A	6	6	6	6	6	6		
9	2	127677-77130	FUSE, 32V-20A	4	4	4	4	4	4		
10	1	119798-77071	HARNESS, WIRE A	1	1	1	1	1	1		
11	1	119798-77081	HARNESS, WIRE B	1	1	1	1	1	1		
12	1	119798-77090	HARNESS, WIRE BAT	1	1	1	1	1	1		
15	1	26106-060102	BOLT 6X 10 PLATED	2	2	2	2	2	2		
16	1	26106-060122	BOLT M 6X 12 PLATED	2	2	2	2	2	2		
17	1	26106-060162	BOLT M 6X 16 PLATED	2	2	2	2	2	2		
18	1	26106-080102	BOLT M 8X 10 PLATED	1	1	1	1	1	1		
19	1	26366-060002	NUT M 6	2	2	2	2	2	2		
20	1	119798-14160	BOLT M8XL20	1	1	1	1	1	1		
21	1	119798-49860	BOLT M6XL14	3	3	3	3	3	3		
22	1	119798-77050	BRACKET,WIRING HARNE	1	1	1	1	1	1		

Fig.67. SENSOR

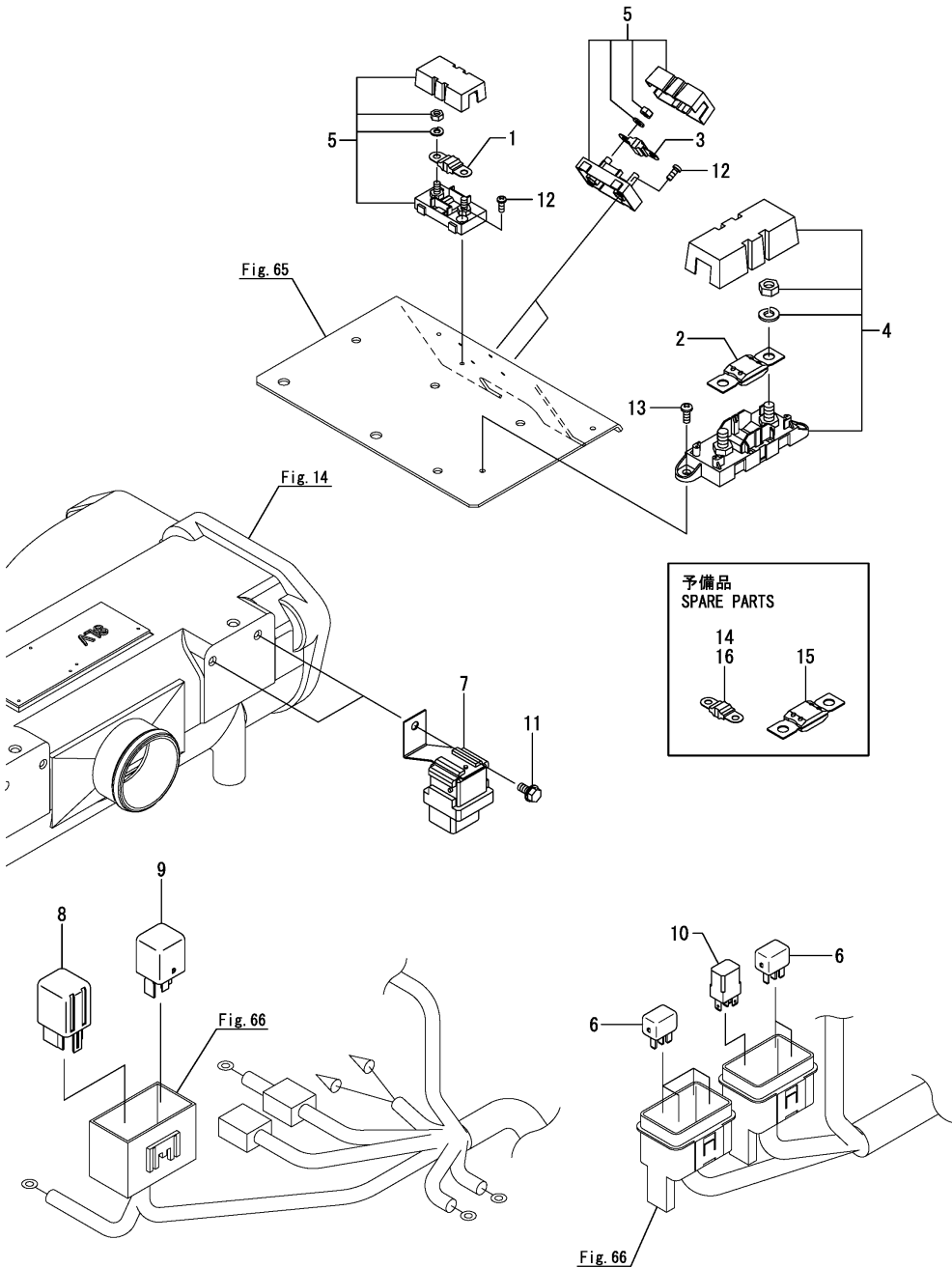


(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-91120	SENSOR,TURBOPRESSURE	1	1	1	1	1	1		
2	1	119798-91130	HOSE, AIR PRESS A	1	1	1	1	1	1		
3	1	119798-91140	HOSE, AIR PRESS B	1	1	1	1	1	1		
4	1	119798-91500	FILTER, GAS	1	1	1	1	1	1		
5	1	119798-91510	CRAMP, GAS FILTER	1	1	1	1	1	1		
6	1	119798-91700	SENSOR,WATER TEMPERA	1	1	1	1	1	1		
7	1	23080-008000	CLAMP 8	4	4	4	4	4	4		
8	1	23414-120000	GASKET 12, ROUND	1	1	1	1	1	1		
9	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1	1	1	1		
10	1	26106-060182	BOLT M 6X 18 PLATED	2	2	2	2	2	2		

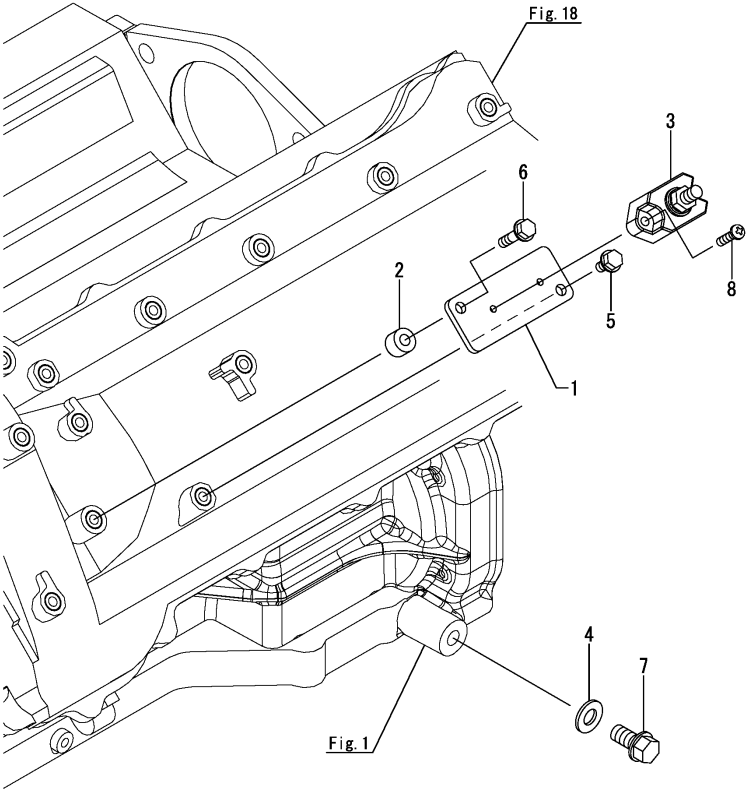
Fig.68. RELAY & FUSE



(A)=8LV320
(B)=8LV350
(C)=8LV370
(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119578-77080	FUSE, 32V-50A	1	1	1	1	1	1		
2	1	119798-77100	FUSE, 32V-300A	1	1	1	1	1	1		
3	1	119798-77110	FUSE, 32V-80A	2	2	2	2	2	2		
4	1	119578-77160	HOLDER, FUSE	1	1	1	1	1	1		
5	1	119578-77200	HOLDER, FUSE	3	3	3	3	3	3		
6	1	127677-77330	MAIN RELAY	6	6	6	6	6	6		
7	1	119798-77530	GLOW SUB-ASSY,PLUG R	2	2	2	2	2	2		
8	1	119798-77540	RELAY ASSY,GLOW PLUG	1	1	1	1	1	1		
9	1	119798-77550	RELAY	1	1	1	1	1	1		
10	1	1K1140-82500	RELAY(ACM13211M01	1	1	1	1	1	1		
11	1	26106-060122	BOLT M 6X 12 PLATED	2	2	2	2	2	2		
12	1	26557-040102	SCREW, M4X10	6	6	6	6	6	6		
13	1	26557-050102	SCREW, M5X10	2	2	2	2	2	2		
14	1	119578-77080	FUSE, 32V-50A	1	1	1	1	1	1		
15	1	119798-77100	FUSE, 32V-300A	1	1	1	1	1	1		
16	1	119798-77110	FUSE, 32V-80A	1	1	1	1	1	1		

Fig.69. BATTERY TERMINAL



69. BATTERY TERMINAL

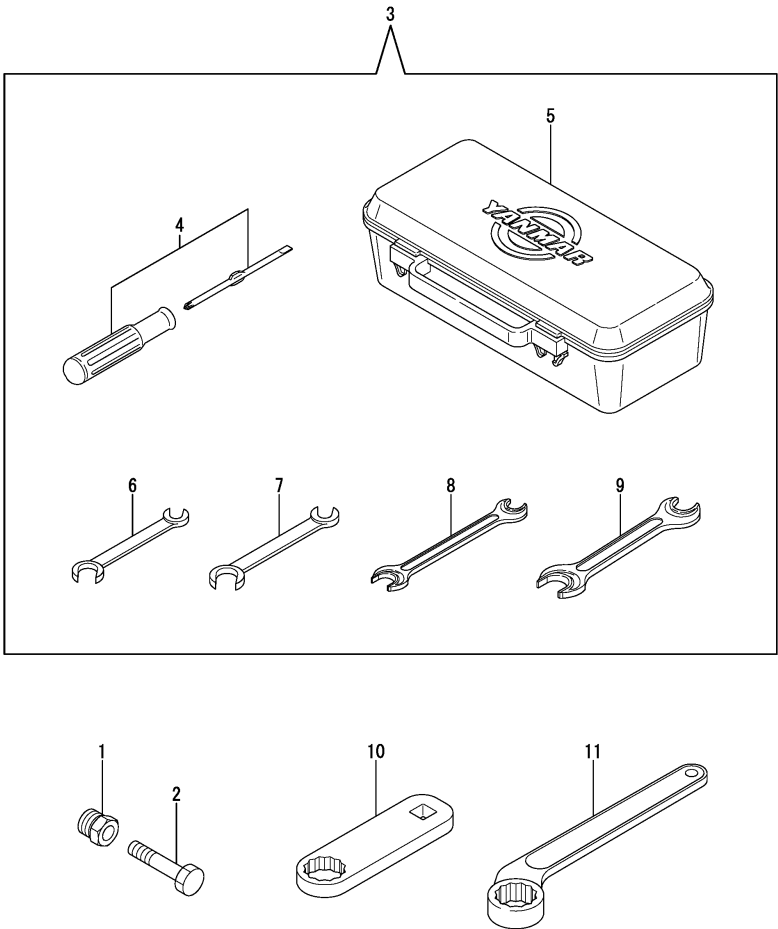
(A)=8LV320
(B)=8LV350
(C)=8LV370

(D)=8LV320Z
(E)=8LV350Z
(F)=8LV370Z

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119798-77760	BRACKET BAT TERMINAL	1	1	1	1	1	1		
2	1	119798-77870	SPACER	1	1	1	1	1	1		
3	1	1E8230-84490	BLOCK ST8-1B30Z,TERM	1	1	1	1	1	1		
4	1	22133-100000	WASHER 10	1	1	1	1	1	1		
5	1	26106-060122	BOLT M 6X 12 PLATED	1	1	1	1	1	1		
6	1	26106-060252	BOLT M 6X 25 PLATED	1	1	1	1	1	1		
7	1	26136-100202	BOLT, 10 X 20	1	1	1	1	1	1		
8	1	26557-050202	SCREW M 5X 20	2	2	2	2	2	2		

OCR10-G82200

Fig.70. TOOL



Remarks
(1)Optional parts.

OCR10-G82200 70. TOOL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120325-92110	PULLER,IMPELLER	1	1	1	1	1	1		
2	1	26116-100504	BOLT M10X 50 PLATED	1	1	1	1	1	1		
3	1	719195-92500	TOOL ASSY, STD	1	1	1	1	1	1		1
4	2	104200-92350	DRIVER, SCREW	1	1	1	1	1	1		1
5	2	104200-92600	BOX, TOOL	1	1	1	1	1	1		1
6	2	28110-080100	WRENCH 8X10	1	1	1	1	1	1		1
7	2	28110-100130	WRENCH 10X13	1	1	1	1	1	1		1
8	2	28110-120140	WRENCH 12X14	1	1	1	1	1	1		1
9	2	28110-170190	WRENCH 17X19	1	1	1	1	1	1		1
10	1	119798-92100	WRENCH,36	1	1	1	1	1	1		1
11	1	119798-92120	WRENCH,36 SPANNER	1	1	1	1	1	1		1

Part Number Index

All parts are stipulated in the order of part numbers.

(Depending on the area in which the part is used.)

This index will display the location of the part according to each part number.

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
102210-07990	7	19
104200-92350	70	4
104200-92600	70	5
105100-55501	63	3
105100-55540	63	4
105430-67110	66	4
119171-42530	32	11
119171-49300	40	21
119172-48010	13	21
119172-48130	40	1
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119172-48190	42	1
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	49	1
	53	15
119172-48250	42	2
	53	16
119172-48350	39	4
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119172-48410	40	3
119172-48480	12	37
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	37	1
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	38	2
	39	1
		5
	40	4
119172-48540	36	2
	37	2
		11
	38	3
119173-18880	11	4
		6
119173-49160	40	11
119175-13800	13	19
119175-49550	39	7
119175-91050	65	7
119254-44910	58	66
119266-55620	64	17
119574-07400	7	10
119574-18790	14	8
119574-18910	11	2
119578-07750	7	1
119578-07890	7	12
119578-39200	66	1

PARTS No.	Fig.	Ref.No.
119578-75610	64	18
119578-77080	68	1
		14
119578-77160	68	4
119578-77200	68	5
119578-77450	63	5
119578-77680	64	19
119578-91300	58	67
119578-91351	64	25
119593-39080	28	3
119593-39450	27	6
119593-42202	32	2
119593-49080	37	12
119620-49290	14	11
	16	13
119770-90020	17	13
	18	17
		24
119770-90180	2	5
119770-90440	23	22
119770-90540	22	38
119770-90680	2	6
119770-90690	6	13
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119770-90720	1	18
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119770-90790	1	19
119770-90880	50	4
119770-90900	44	11
119770-90970	25	7
119770-90980	25	8
119771-00151	23	19
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	13	11
		30
119773-13300	12	12
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		30
	13	12
		31
119773-13501	12	13
		19

PARTS No.	Fig.	Ref.No.
119773-13501	12	34
	13	16
		35
119773-49550	34	5
119775-08230	5	1
119775-48640	12	14
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119775-49120	36	5
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119778-08310	4	4
119778-08350	4	5
119778-26401	53	7
119778-26411	53	8
119779-48620	39	6
119779-49210	38	4
119779-49230	37	13
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119779-49550	39	8
119779-49910	38	9
119798-01010	1	1
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119798-01090	1	13
119798-01100	1	14
119798-01110	1	15
119798-01120	1	16
119798-01130	2	1
119798-01160	2	7
119798-01170	2	13
119798-01180	2	8
119798-01190	2	9
119798-01200	2	14
119798-01210	2	10
119798-01220	2	11
119798-01230	2	15
119798-01240	2	16
119798-01250	2	17
119798-01260	2	18

PARTS No.	Fig.	Ref.No.
119798-01270	2	20
119798-01280	2	21
119798-01290	2	22
119798-01300	18	1
119798-01310	18	2
119798-01320	18	3
119798-01330	18	4
119798-01340	18	5
119798-01350	18	6
119798-01360	18	7
119798-01370	18	8
119798-01380	18	9
119798-01390	18	10
119798-01400	1	17
119798-01410	6	1
119798-01420	6	2
119798-01580	3	1
119798-01590	3	2
119798-01600	4	1
119798-01700	2	23
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119798-01710	2	12
119798-01720	2	24
119798-01730	2	25
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119798-01740	2	26
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119798-01760	2	28
119798-01770	2	29
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119798-01780	2	30
119798-01790	2	31
119798-01800	2	32
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119798-01810	2	2
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119798-01820	2	3
119798-01830	2	4
119798-01840	2	34
119798-01850	2	35
119798-01980	3	6
119798-01990	3	7
119798-02110	23	1
119798-02120	23	2

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
119798-02130	23	3
119798-02150	23	5
119798-02160	23	6
119798-02170	23	7
119798-02180	23	8
119798-02190	23	9
119798-02200	23	10
119798-02210	23	11
119798-02220	23	12
119798-02230	23	13
119798-02240	23	14
119798-02250	23	15
119798-02260	23	16
119798-02270	23	17
119798-02280	23	18
119798-03010	9	1
119798-03020	9	2
119798-03030	9	3
119798-03161	8	1
119798-07150	7	4
119798-07650	20	1
119798-07750	20	2
119798-07790	20	3
119798-07800	7	11
119798-07810	66	6
119798-08220	5	4
119798-08310	5	6
119798-08320	5	7
119798-08530	5	2
119798-08620	5	3
119798-09320	21	1
119798-09330	21	2
119798-09340	21	3
119798-09400	63	1
119798-09410	63	2
119798-11010	18	11
119798-11020	18	18
119798-11030	18	25
119798-11040	18	26
119798-11050	18	12
		19
119798-11060	18	13
		14
		20
		21
119798-11070	18	27
		28
		29
		30
119798-11080	18	15

PARTS No.	Fig.	Ref.No.
119798-11080	18	22
	22	11
119798-11090	18	16
		23
119798-11100	22	1
119798-11110	22	2
119798-11120	22	3
119798-11130	22	4
119798-11140	22	5
119798-11150	22	6
119798-11160	22	7
119798-11170	22	8
119798-11180	19	1
119798-11190	19	2
119798-11200	22	9
119798-11210	18	31
119798-11220	18	34
119798-11230	18	38
119798-11240	18	32
119798-11250	18	35
119798-11260	18	33
		36
		39
119798-11270	18	39
119798-11280	18	40
119798-11290	18	37
119798-11300	18	41
119798-11310	2	36
	6	3
		16
	9	4
119798-12010	17	2
119798-12020	17	3
119798-12030	17	4
119798-12040	17	5
119798-12050	17	6
119798-12060	17	7
119798-12070	17	8
119798-13010	16	1
119798-13050	16	4
119798-13200	12	1
	13	1
119798-13220	16	7
119798-13230	16	8
119798-13450	12	2
	13	2
119798-13510	12	3
	13	3
119798-13530	12	5
	13	5
119798-13550	12	20

PARTS No.	Fig.	Ref.No.
119798-13570	12	22
119798-13581	12	6
	13	6
119798-13640	16	9
119798-13650	16	10
119798-13750	12	7
	13	7
119798-13760	12	23
119798-13810	16	11
119798-13820	16	12
119798-14010	22	12
119798-14020	22	13
119798-14030	22	15
119798-14040	22	16
119798-14050	22	18
119798-14060	22	19
119798-14070	22	20
119798-14080	22	21
119798-14090	22	22
119798-14100	22	23
119798-14110	22	24
119798-14120	22	25
119798-14130	22	26
119798-14140	22	14
		17
119798-14150	17	9
		10
	19	3
	22	27
		28
	25	1
	41	1
119798-14160	6	28
	22	29
	66	20
119798-14170	2	37
	6	29
	22	30
	33	5
		6
119798-14180	22	31
119798-14190	22	32
119798-18010	10	1
119798-18020	10	12
119798-18030	10	2
		13
119798-18040	10	3
		14
119798-18050	10	4
		15

PARTS No.	Fig.	Ref.No.
119798-18060	10	5
		16
119798-18070	10	6
		17
119798-18080	10	7
119798-18090	10	8
		18
119798-18100	10	9
		19
119798-18110	10	10
		20
119798-18120	10	11
119798-18130	10	21
119798-18140	10	22
119798-18340	10	23
119798-18400	14	2
119798-18420	14	3
119798-18430	14	4
119798-18440	14	5
119798-18450	14	6
119798-18460	14	1
119798-18470	14	7
119798-18500	15	8
119798-18550	14	9
119798-18560	14	10
119798-18621	15	1
119798-18630	15	2
119798-18640	15	3
119798-18700	10	24
119798-18710	11	1
		7
		9
119798-18780	15	4
119798-18911	11	3
119798-18920	11	5
119798-21010	23	20
119798-21020	23	21
119798-21030	23	23
119798-21040	23	24
119798-21050	23	25
119798-21060	23	26
119798-21080	23	27
119798-21090	2	38
	23	28
119798-21100	23	29
119798-21210	23	31
119798-21220	23	32
119798-21230	23	33
119798-21540	59	1
119798-22030	23	37

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
119798-22030	23	41
119798-22110	23	35
119798-22120	23	39
119798-22130	23	38
		42
119798-23100	23	44
119798-23110	23	46
119798-23120	23	47
119798-23130	23	48
119798-23140	23	49
119798-23150	23	50
119798-23200	23	45
119798-32010	6	17
119798-32020	6	18
119798-32030	6	19
119798-32040	6	7
119798-32050	6	21
119798-32060	6	8
119798-32070	6	22
119798-32080	6	9
119798-32090	6	23
119798-32100	6	10
119798-32110	6	20
119798-32120	6	6
119798-32130	6	11
119798-32140	6	24
119798-32150	6	4
119798-32160	6	5
119798-32170	6	25
119798-33010	25	2
119798-33020	6	12
	25	3
119798-33030	25	9
119798-33040	25	4
119798-33050	25	5
119798-33060	6	30
	17	11
	24	1
	25	10
119798-33070	25	11
119798-33080	24	2
119798-33090	24	3
119798-33100	24	4
119798-33110	24	5
119798-33120	24	6
119798-33130	24	7
119798-33140	24	8
119798-34100	26	1
		10
119798-34450	26	19

PARTS No.	Fig.	Ref.No.
119798-34800	26	6
		15
119798-35110	27	1
119798-35300	27	4
119798-35310	27	5
119798-39060	28	1
119798-39070	28	2
119798-39120	29	1
119798-39130	29	2
119798-39160	29	3
119798-39200	29	4
119798-39220	29	5
119798-39300	29	6
119798-39320	29	8
119798-39330	29	10
119798-39340	29	7
		12
119798-39350	29	11
119798-39410	22	33
119798-39420	22	34
119798-39430	22	35
119798-39440	22	36
119798-39450	22	37
119798-42010	33	7
119798-42020	33	8
119798-42030	33	9
119798-42040	33	10
119798-42050	33	11
119798-42060	33	12
119798-42070	33	13
119798-42200	32	1
119798-42210	32	3
119798-42260	32	4
119798-42270	32	5
119798-42310	32	6
119798-42330	32	7
119798-42340	32	8
119798-42350	32	9
119798-42360	32	10
119798-44010	35	2
119798-44050	35	3
119798-44060	35	4
119798-44190	35	5
119798-44220	35	6
119798-44250	35	7
119798-44260	35	8
119798-44270	35	9
119798-44280	35	10
119798-44290	35	11
119798-44400	35	12

PARTS No.	Fig.	Ref.No.
119798-44500	35	1
119798-44630	35	13
119798-44640	35	14
119798-48360	34	1
119798-48510	35	15
119798-48520	34	2
119798-48530	40	5
119798-48540	34	3
119798-49080	36	3
	37	3
119798-49090	36	4
	37	4
119798-49110	40	6
119798-49140	40	9
119798-49200	40	12
119798-49270	40	13
119798-49280	40	16
119798-49290	40	17
119798-49310	40	22
119798-49320	36	6
	37	6
119798-49360	40	23
119798-49420	40	24
119798-49470	12	39
119798-49480	12	40
119798-49600	41	2
119798-49610	41	3
119798-49620	41	4
119798-49630	41	5
119798-49640	41	6
119798-49650	41	7
119798-49660	41	8
119798-49670	41	9
119798-49680	41	10
119798-49690	41	11
119798-49700	41	12
119798-49710	41	13
119798-49720	6	31
	17	12
	41	14
119798-49730	41	15
119798-49740	41	16
119798-49770	36	7
	37	7
119798-49790	36	8
	37	8
119798-49810	24	9
119798-49820	24	10
119798-49830	24	11
119798-49840	41	17

PARTS No.	Fig.	Ref.No.
119798-49850	24	12
119798-49860	24	13
	41	18
	44	2
		12
		13
	66	21
119798-49870	41	19
119798-49880	36	11
119798-49910	34	6
119798-49920	36	18
119798-49930	36	21
119798-49940	36	12
119798-49950	42	3
119798-49960	42	4
119798-49970	42	5
119798-51010	44	3
119798-51020	44	4
119798-51030	44	5
119798-51040	44	6
119798-51050	44	7
119798-51060	44	8
119798-51070	44	9
119798-51080	44	10
119798-53010	45	2
119798-53020	45	3
119798-53030	45	4
119798-53040	45	5
119798-53050	45	6
119798-53060	45	7
119798-53070	44	14
	45	8
119798-53080	44	15
	45	9
119798-53090	45	10
119798-53100	45	11
119798-55100	47	1
119798-55110	47	2
119798-55120	47	4
119798-55130	47	6
119798-55140	47	7
119798-55150	47	8
119798-55160	47	9
119798-55170	47	10
119798-55180	47	11
119798-55190	47	12
119798-55720	36	13
	38	13
	48	2
	52	2

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
119798-55770	38	14
	48	3
	52	3
119798-55780	38	15
	48	4
	52	4
119798-59010	44	16
119798-59020	44	17
119798-59030	44	18
119798-59040	44	19
119798-59050	44	20
119798-59060	44	21
119798-59070	44	22
119798-59080	44	23
119798-59090	44	24
119798-59100	41	20
	44	25
		26
119798-59110	44	27
119798-59120	44	28
119798-59140	44	29
119798-59150	44	30
119798-59160	44	31
119798-59170	44	32
119798-59190	44	33
119798-59230	46	4
119798-59250	46	5
119798-59510	46	7
119798-59520	46	8
119798-59550	46	17
119798-59570	46	18
119798-59610	46	19
119798-59620	46	20
119798-59810	44	34
119798-59820	44	35
119798-59830	44	36
119798-59840	41	21
	44	37
119798-59910	35	17
119798-75100	64	1
119798-75200	64	6
119798-75300	64	11
119798-77010	61	1
119798-77020	61	13
119798-77030	61	14
119798-77050	66	22
119798-77061	66	5
119798-77071	66	10
119798-77081	66	11
119798-77090	66	12

PARTS No.	Fig.	Ref.No.
119798-77100	68	2
		15
119798-77110	68	3
		16
119798-77120	61	2
119798-77140	61	3
119798-77150	61	4
119798-77160	61	5
119798-77170	61	6
119798-77180	61	7
119798-77190	61	8
119798-77200	62	1
119798-77210	62	17
119798-77220	62	18
119798-77230	62	2
119798-77240	62	3
119798-77250	62	4
119798-77260	62	5
119798-77270	62	7
119798-77280	62	8
119798-77290	62	9
119798-77300	62	10
119798-77310	62	11
119798-77320	62	12
119798-77330	62	13
119798-77340	62	14
119798-77350	62	19
119798-77360	62	6
119798-77370	62	15
119798-77380	62	16
119798-77390	61	9
119798-77400	61	10
119798-77410	61	11
119798-77420	61	12
119798-77530	68	7
119798-77540	68	8
119798-77550	68	9
119798-77650	65	1
119798-77710	65	2
119798-77720	65	3
119798-77731	65	4
119798-77740	65	5
119798-77760	69	1
119798-77800	64	20
119798-77870	69	2
119798-77880	64	23
119798-77900	65	6
119798-77910	50	1
119798-77920	50	2
119798-77930	50	3

PARTS No.	Fig.	Ref.No.
119798-77990	61	15
119798-81110	54	1
119798-81120	54	2
119798-81130	54	3
119798-81160	54	4
119798-81170	54	5
119798-81180	54	6
119798-81210	54	7
119798-81220	54	8
119798-81230	54	9
119798-81240	54	10
119798-81260	54	11
119798-81270	54	12
119798-81280	54	13
119798-81290	54	14
119798-85530	59	2
119798-91120	67	1
119798-91130	67	2
119798-91140	67	3
119798-91500	67	4
119798-91510	67	5
119798-91600	6	26
119798-91630	17	14
119798-91640	17	15
119798-91650	2	39
119798-91660	2	40
119798-91700	67	6
119798-92100	70	10
119798-92120	70	11
119799-01610	4	3
119799-13350	12	31
	13	13
		32
119799-13370	12	33
	13	15
		34
119799-13540	12	35
119799-13550	12	36
	13	17
119799-13560	13	36
119799-13640	13	27
119799-13650	13	18
119799-18710	11	8
119799-18720	13	20
119799-21520	60	1
119799-26100	51	1
119799-26110	51	2
119799-26150	53	1
119799-26170	53	3
119799-26200	51	3

PARTS No.	Fig.	Ref.No.
119799-26520	53	9
119799-26530	52	9
119799-26540	53	10
119799-26550	53	11
119799-26570	53	13
119799-26580	38	11
	53	14
119799-26600	53	12
119799-26800	48	1
	52	1
119799-49250	37	14
119799-49610	38	6
119799-49620	38	7
119799-49640	38	8
119799-49740	37	15
119799-49780	13	39
119799-49800	38	12
119799-49810	39	3
		9
119799-49820	39	10
119799-49830	39	11
119799-59210	46	2
	53	18
119799-59220	46	3
119799-59600	46	9
120130-39990	30	2
120324-07240	7	6
120324-55751	49	2
120324-55760	49	3
120325-92110	70	1
120445-44540	35	28
120445-49150	40	10
120650-42630	38	1
121550-49111	34	4
	35	16
	40	7
121575-49310	53	17
	66	2
123325-59420	49	16
123672-55811	49	15
124060-01050	57	5
	58	12
124413-39100	30	1
124790-44560	35	29
127488-18910	15	5
127610-39350	46	10
127620-49720	12	41
127677-77110	66	7
127677-77120	66	8
127677-77130	66	9

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
127677-77330	68	6
127687-18910	15	6
127687-39360	46	11
128171-07150	7	5
128296-07190	7	14
128296-07260	7	7
128296-07300	7	8
128296-07350	7	9
128296-07400	7	15
128296-07420	7	16
128296-07450	7	17
128296-07460	7	18
129670-49290	40	18
148616-59430	46	6
	53	19
148688-39320	29	9
177035-02920	57	6
	58	13
177040-04571	56	30
177040-04630	56	34
	57	19
	58	26
177040-04640	56	35
177057-04620	56	33
177061-04490	56	9
177068-04370	57	12
	58	19
177068-04380	57	13
	58	20
177068-04481	56	8
177068-04492	56	21
177068-04871	57	31
177068-04881	58	28
177129-04690	58	6
177129-04830	57	55
	58	27
177503-04183	57	7
	58	14
177503-04200	57	8
	58	15
177503-04211	58	16
177503-04260	57	10
	58	17
177510-04560	56	25
177511-04920	58	29
177523-02911	57	3
	58	2
177523-03800	58	4
177523-04100	58	3
177523-04110	58	5

PARTS No.	Fig.	Ref.No.
177523-04250	57	9
177523-04260	57	11
177523-04360	58	18
177523-04401	58	11
177523-04430	58	65
177523-04440	58	63
177523-04460	58	64
177523-04502	57	4
177523-04520	57	16
	58	23
177523-04530	57	17
	58	24
177523-04540	57	18
	58	25
177523-04580	58	70
177523-04590	58	71
177523-04610	57	56
177523-04640	57	20
177523-04650	57	21
177523-04670	57	23
177523-04690	57	27
177523-04870	57	32
177524-02210	55	2
177524-02221	55	3
177524-02230	55	4
177524-03701	55	5
177524-04420	56	7
	57	14
	58	21
177524-04471	56	6
177524-04481	56	4
177524-04491	56	5
177524-04531	56	46
	57	2
	58	69
177524-04540	56	20
177524-04552	56	23
177524-04560	56	27
177524-04570	56	28
177524-04590	56	29
177524-04620	56	31
177524-04630	56	32
177524-04720	56	26
194170-65891	7	2
194250-51660	8	2
	66	3
194440-51620	58	41
194555-77120	57	39
	58	42
196346-34860	52	10

PARTS No.	Fig.	Ref.No.
196350-23010	60	2
196630-12980	7	13
1E8230-84490	69	3
1K1140-82500	68	10
1R1808-00900	64	30
41701-001720	56	15
41710-000410	56	16
41710-000790	56	45
43530-500610	43	1
43662-030031	43	2
43730-552161	12	46
	36	16
		19
		22
719195-92500	70	3
720445-44200	35	25
777522-04712	57	1
777523-04810	58	1
777524-02121	55	1
777524-04430	56	1
777524-04440	56	2
777524-04460	56	3
977780-01211	31	1
977780-03000	31	9
X0044021509	31	7
X0225000630	35	27
X0300120414	49	9
X0311121522	49	7
X0313080922	49	13
X0314080110	49	11
X0318101004	31	2
X0580121073	49	8
X0582810173	49	6
X0588080273	49	12
X0600160122	49	10
X0993071171	49	14
X158606410X	31	3
X179100022X	31	5
X179100100X	31	6
X199906101X	31	8
X2740134002	49	4
X8636015001	31	4

PARTS No.	Fig.	Ref.No.
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