



PARTS CATALOG

P R E F A C E

1. This parts catalog for 6BYseries is published as a revised edition of the Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00R6390	March,2006	No need
1st revised edition	000Y00R6391	March,2007	

2.This parts catalog dose 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 parts for repairs. If imitation parts are used,
it may cause engine defects.

How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)

①
↓
REF.

②
↘
LEV.

PARTSNo.	DESCRIPTION	QTY	I	R
1	FUEL INJECTION PUMP	1	1	1
1-1	FUEL INJECTION PUMP	1	1	1
3	SCREW M 6X16	9	9	9
1 3-1	SCREW M 6X16	4	4	4
4	CAMSHFT	9	9	9
5	BEARING. ROLLER	9	9	9
6	RETAINER	9	9	9

(A)=4JH-DT (D)=4JH-DTZA
(B)=4JH-DTZ (E)=4JH-DTZY
(C)=4JH-DTZP (F)=

③ → (A) → (A)
④ → (D)
⑤ → (B)
⑥ → (F)

Remarks

(1) BOOST COMPENSATOR TYPE.
OPTIONAL PART. TO E#00155
(4JH-DT, 4JH-DTZ)

①Ref. No.

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

(Ex.) Illustration No. List heed No.
1 1 (Before change) → 1-1 (After change)

When interchangeable symbol N, and K, illustrations for the new parts are sometimes omitted.

②Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in "1" (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in "2", Grand-child parts in terms of "1".

(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

③Change Mark

Change Mark "I" is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old ← 9 → New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ← 8 → New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ← 8 → New	New Part is interchangeable for Old Part and vice versa.
S	Old ← 8 → New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤Effective Machine No.

When a part is changed, Effective Machine No. of a Model for which the part is applicable is indication

In each column of (A)-(F).

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No, Compressor No,	M	Machine No,
D	Drive No,	T	Tractor No,
E	Engine No,	Note 1)※	Date

Note 1) Date may follow the symbol in some cases. (Ex.) ※1996.01

Note 2) As far as engine models shown by "XXX" are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E#(Engine Serial Number) 00185

⑥Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

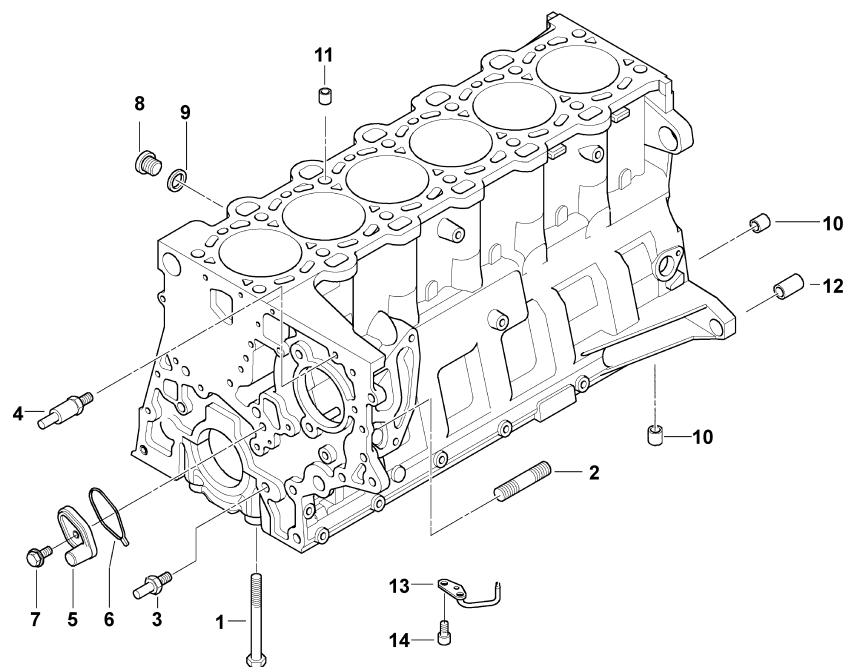
The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols as those stated above.

CONTENTS

MODEL : 6BY
PC NO : 0CR10-G63901

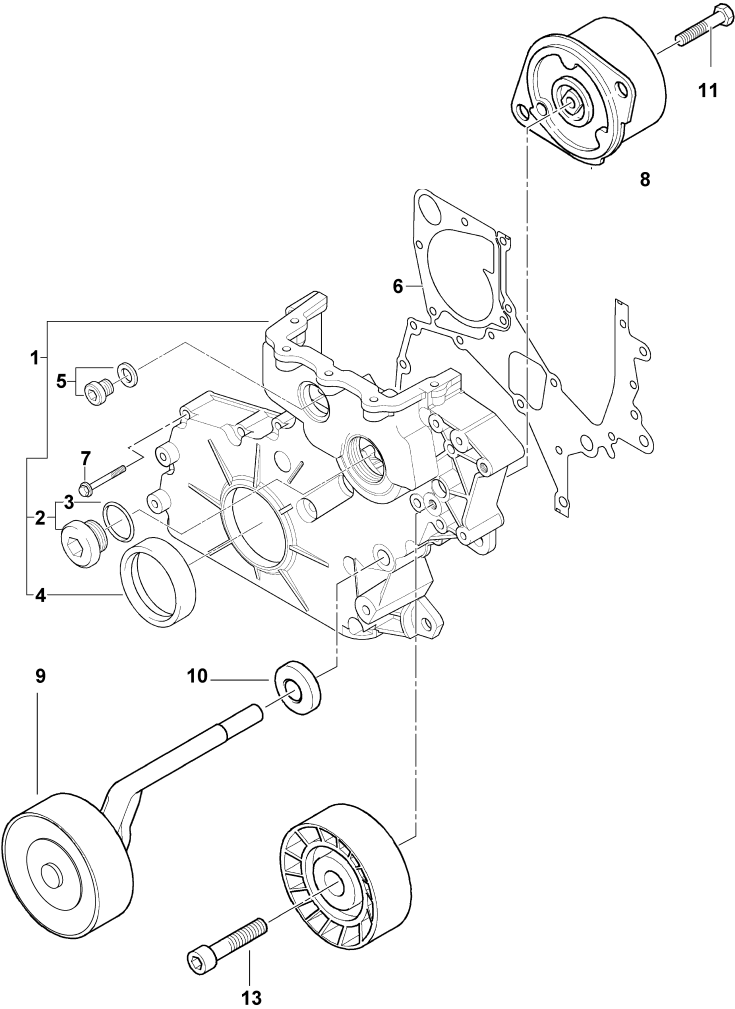
Fig.No.	GROUP NAME
6BY220/260/220Z/260Z	
1.	CYLINDER BLOCK
2.	LOWER TIMING CASE/BELT W PUMP
3.	FLYWHEEL HOUSING
4.	OIL PAN/LUB. OIL SUMP
5.	ENGINE BRACKET
6.	LABEL
7.	CYL.HEAD/VALVE TRAIN-CAMSHAFT
8.	CYL.HEAD ATTACHED/GLOW PLUG
9.	CYLINDER HEAD COVER
10.	INTAKE MANIFOLD
11.	TURBOCHARGER
12.	CRANKSHAFT WITH BEARING SHELLS
13.	FLYWHEEL & CYL.MOUNTING PARTS
14.	PISTON & CONNECTING ROD
15.	TIMING CHAIN LOWER P/DAMPER
16.	TIMING GEAR TIMING CHAIN TOP
17.	V-BELT
18.	LUB.OIL PUMP
19.	LUB.OIL FILTER
20.	ROTARY PUMP(OPTION)
21.	PIPE, OIL
22.	AIR COOLER
23.	AIR COOLER(INNER PARTS)
24.	WATER PUMP
25.	COOLING SEA WATER PUMP
26.	HEAT EXCHANGER
27.	HEAT EXCHANGER(INNER PARTS)
28.	HOSE, FW PUMP
29.	MIXING ELBOW

Fig.No.	GROUP NAME
30.	BILGE PUMP(OPTION)
31.	STEERING OIL COOLER
32.	STEERING PUMP/PIPE
33.	FUEL OIL FILTER/PIPE
34.	PUMP, FUEL LOW
35.	HIGH-PRESSURE PUMP/INJECTOR
36.	FUEL FILTER
37.	STARTER
38.	ALTERNATOR
39.	WIRE HARNESS(ECU)
40.	WIRE HARNESS
41.	AIR HEATER(OPTION)
42.	ECU
43.	TOP COVER



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-67770	BOLT, HEX M10X80	14	14	14	14				
2	1	165000-67790	STUD, M8X42	3	3	3	3				
3	1	165000-67730	BOLT, BEARING	3	3	3	3				
4	1	165000-67760	BOLT, BEARING	1	1	1	1				
5	1	165000-67780	NOZZLE, OIL SPRAYING	1	1	1	1				
6	1	165000-67750	GASKET, PROFILE	1	1	1	1				
7	1	165000-67400	SCREW, HEAD M6X16	1	1	1	1				
8	1	165000-67290	PLUG, SCREW M14X1.5	1	1	1	1				
9	1	165000-67470	RING, GASKET 14X20	1	1	1	1				
10	1	165000-67880	DOWEL, D=10.5MM	6	6	6	6				
11	1	165000-67720	DOWEL, D=14.5MM	2	2	2	2				
12	1	165000-67740	DOWEL, D=14.5MM	2	2	2	2				
13	1	165000-69480	NOZZLE, OIL SPRAYING	6	6	6	6				
14	1	165000-67410	SCREW, HEAD M6X10	12	12	12	12				

Fig.2. LOWER TIMING CASE/BELT W PUMP



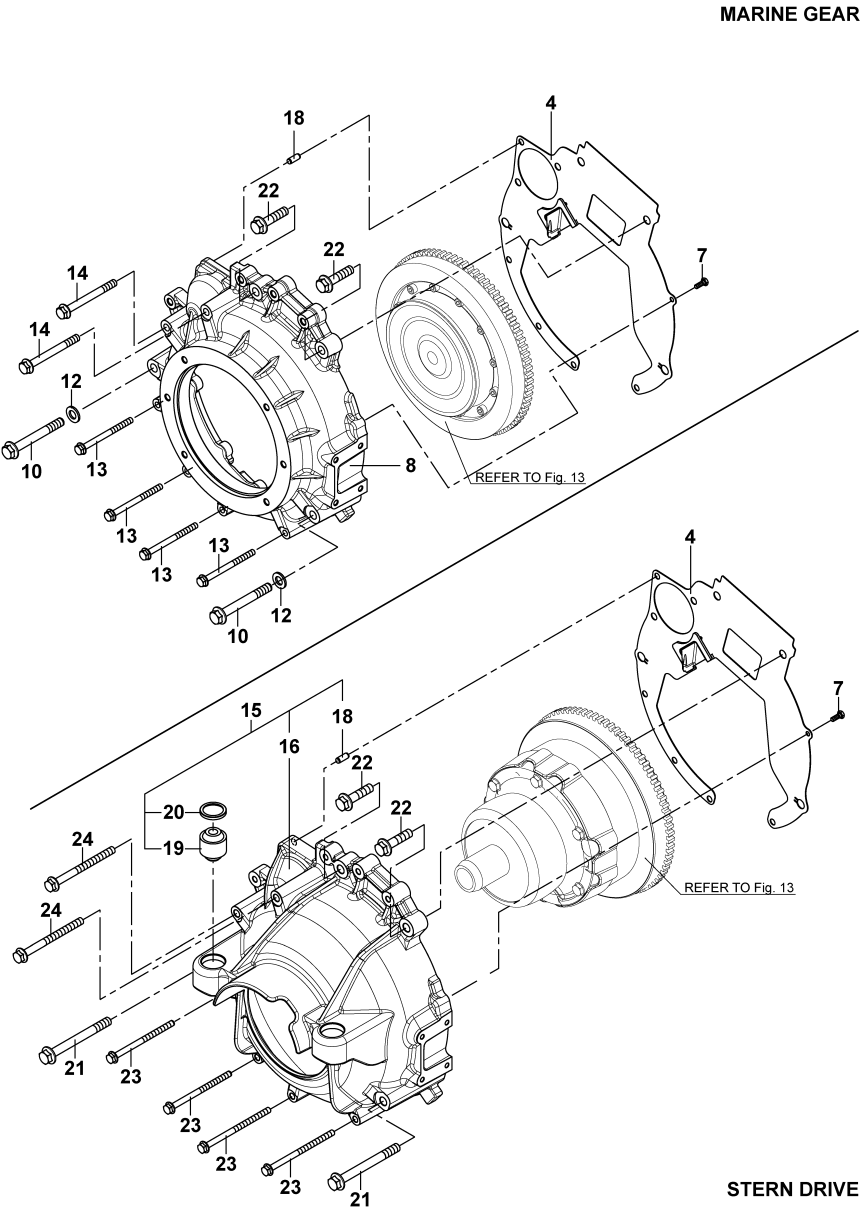
0CR10-G63901 2. LOWER TIMING CASE/BELT W PUMP

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-68430	COVER, TIMING CASE	1	1	1	1				
2	2	165000-68390	PLUG, SCREW M40X1.5	1	1	1	1				
3	2	165000-68400	O-RING, 35 2.0	1	1	1	1				
4	2	165000-68420	SEAL, SHAFT 55 68 8	1	1	1	1				
5	1	165000-68410	PLUG, SCREW M30X1	1	1	1	1				
6	1	165000-68450	GASKET, STEEL	1	1	1	1				
7	1	165000-69690	SCREW, TORX M7X38	14	14	14	14				
8	1	165000-69130	TENSIONER, BELT	1	1	1	1				
9	1	165000-69140	TENSIONER, BELT	1	1	1	1				
10	1	165000-69120	SEALING	1	1	1	1				
11	1	165000-67230	BOLT, HEX M6 30	1	1	1	1				
13	1	165000-67330	SCREW, HEAD M8X35	1	1	1	1				

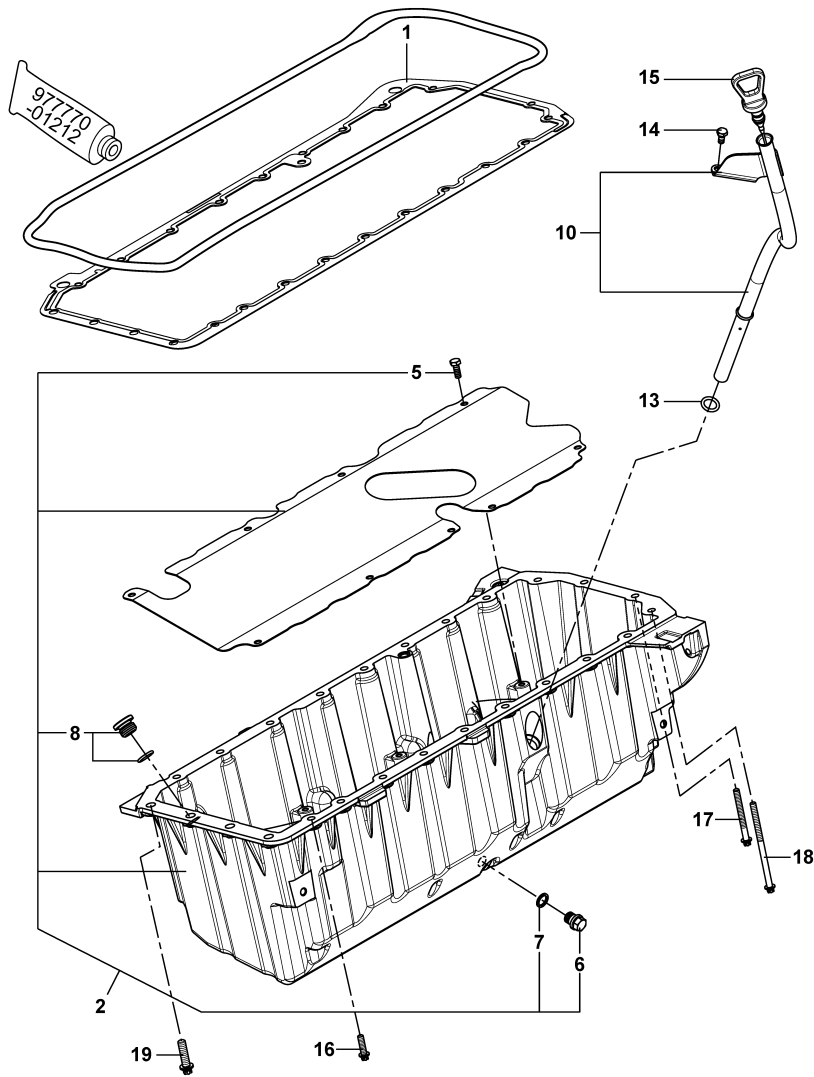
Fig.3. FLYWHEEL HOUSING



(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
4	1	120660-01900	PLATE ASSY, COVER	1	1	1	1				
7	1	120640-01460	SCREW, M6X12	1	1	1	1				
8	1	120662-01810	HOUSING, FLYWHEEL	1	1						
10	1	120640-02040	BOLT, M12X100-8.8	2	2						
12	1	120640-02250	WASHER	2	2						
13	1	120640-01940	BOLT, M8X100-8.8	4	4						
14	1	120640-02010	BOLT, M10X100-8.8	2	2						
15	1	120660-01700	HOUSING ASSY, WHEEL			1	1				
16	2	120660-01710	HOUSING, FLYWHEEL			1	1				
18	2	120640-00220	PIN, PARALLEL 8X20	1	1	1	1				
19	2	120650-01760	MOUNT, RUBBER REAR			2	2				
20	2	119778-08350	SPACER			2	2				
21	1	120640-02060	BOLT, M12X130-8.8			2	2				
22	1	120640-02050	BOLT, M12X130-8.8	2	2	2	2				
23	1	120640-01950	BOLT, M8X130-8.8			4	4				
24	1	120640-02020	BOLT, M10X130-8.8			2	2				

Fig.4. OIL PAN/LUB. OIL SUMP

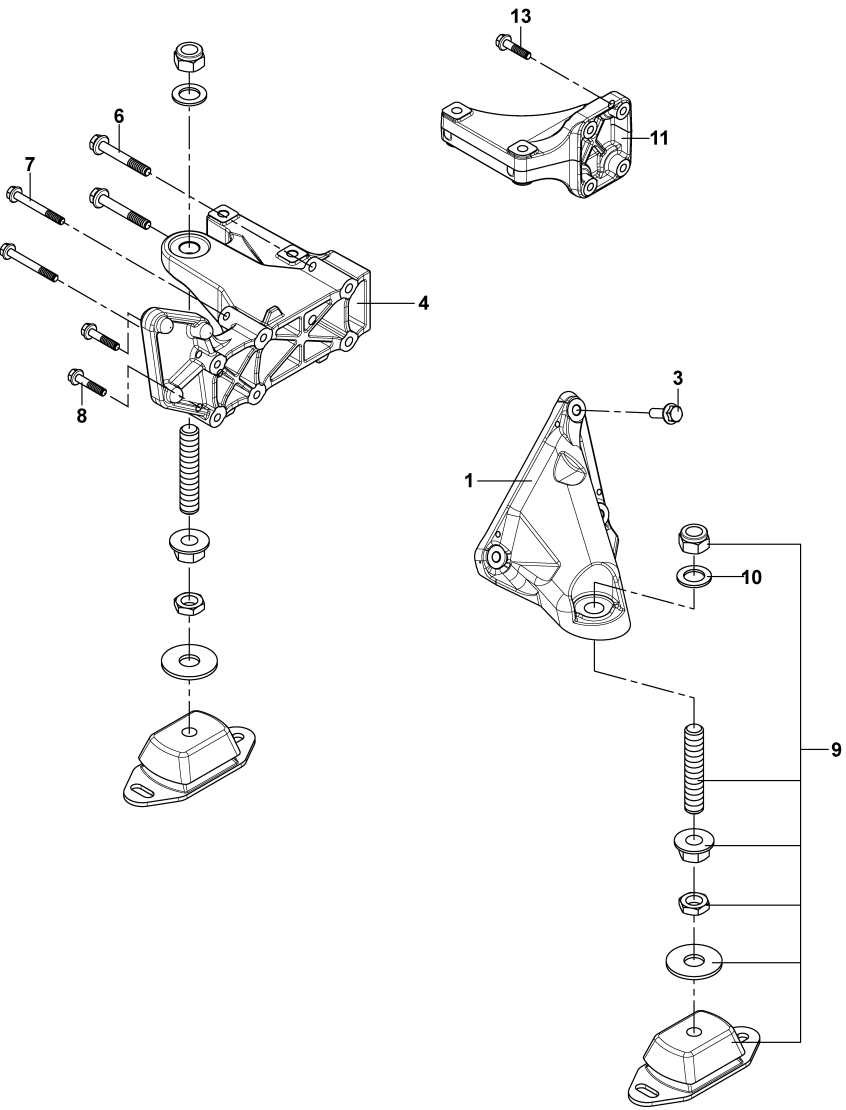


OCR10-G63901 4. OIL PAN/LUB. OIL SUMP

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	165000-68310	GASKET, OIL SUMP	1	1	1	1				
	2	165000-93260	SUMP ASSY, OIL	1	1	1	1				
	5	120650-51620	SCREW, M6X12	9	9	9	9				
I	6	120640-00190	PLUG	1	1	1	1				
	7	120640-01230	RING, SEALING A12X16	1	1	1	1				
	8	165000-93270	PLUG,SCREW	1	1	1	1				
	10	120660-34840	GUIDE ASSY, DIPSTICK	1	1	1	1				
	13	120650-34890	O-RING, 14X3	1	1	1	1				
	14	120650-51620	SCREW, M6X12	1	1	1	1				
	15	120640-00070	DIPSTICK, OIL	1	1	1	1				
	16	165000-68330	BOLT, TORX M6X22	18	18	18	18				
	17	165000-68340	BOLT, TORX M6X60	2	2	2	2				
	18	165000-68350	BOLT, TORX M6X100	2	2	2	2				
	19	165000-68360	BOLT, TORX M8X30	3	3	3	3				
I	20	165000-93230	PLUG,SCREW M10X1	1			1				W
I	21	165000-93240	RING,GASKET		1		1				W
I	22	165000-93270	PLUG,SCREW		1		1				W

Fig.5. ENGINE BRACKET

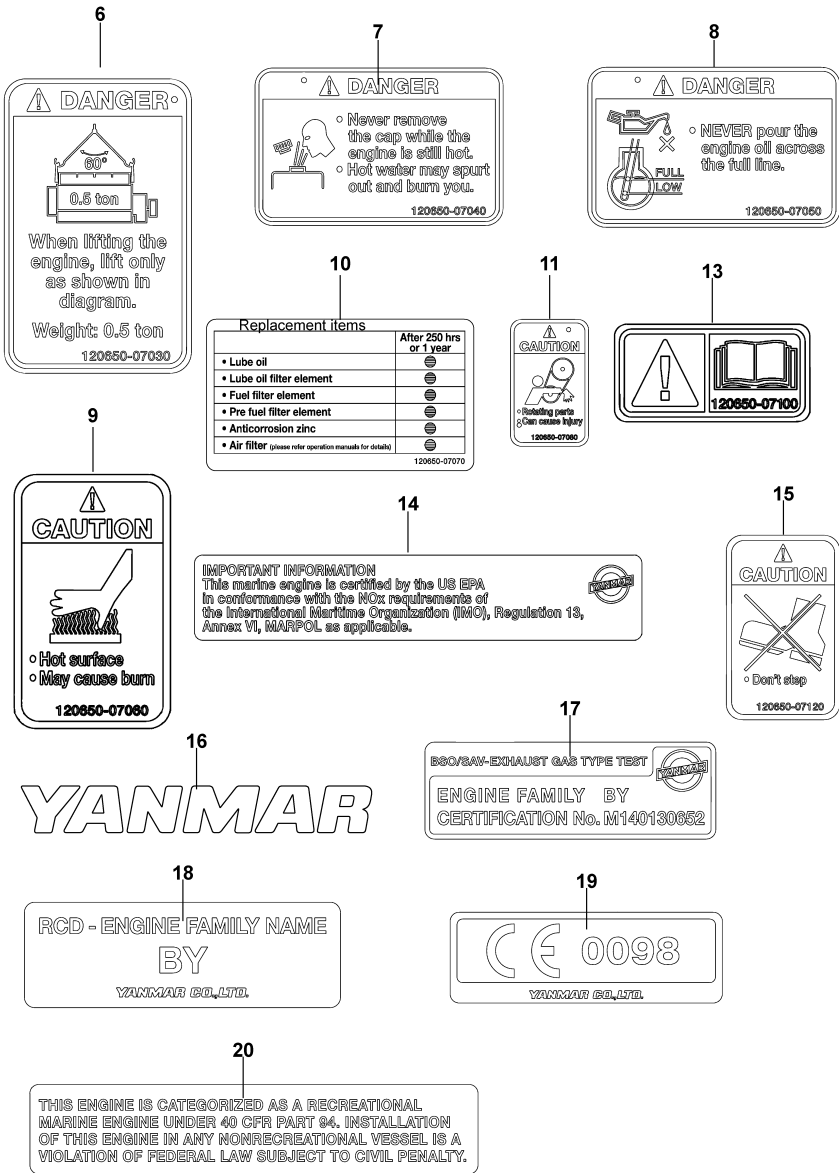


OCR10-G63901 5. ENGINE BRACKET

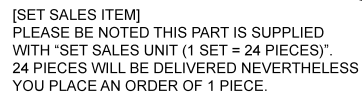
(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-08100	FOOT, MOUNTING FL	1	1	1	1				
3	1	120640-01970	BOLT, M10X35-10.9	3	3	3	3				
4	1	120660-08110	FOOT, MOUNTING FR	1	1	1	1				
6	1	120640-02000	BOLT, M10X75-10.9	2	2	2	2				
7	1	120640-01920	BOLT, M8X70-10.9	2	2	2	2				
8	1	120640-01880	BOLT, M8X50-10.9	2	2	2	2				
9	1	120650-08401	MOUNT, ENGINE	2	2	2	2				
	(A=E*****)	(B=E*****)	(C=E*****)	(D=E*****)							
10	1	120640-02240	WASHER	2	2	2	2				
11	1	120660-18460	BRACKET, CAC REAR	1	1	1	1				
13	1	120640-01870	BOLT, M8X40-8.8	4	4	4	4				

Fig.6. LABEL



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
6	1	120650-07030	LABEL, LIFTER	1	1	1	1				
7	1	120650-07040	LABEL, PRESSURE CAP	1	1	1	1				
8	1	120650-07050	LABEL, OIL DANGER	1	1	1	1				
9	1	120650-07060	LABEL, HOT SURFACE	1	1	1	1				
10	1	120650-07070	LABEL, INTERVAL	1	1	1	1				
11	1	120650-07080	LABEL, ROTATION ENG.	1	1	1	1				
13	1	120650-07100	LABEL, MANUAL	1	1	1	1				
14	1	120650-07110	LABEL, IMO	1	1	1	1				
15	1	120650-07120	LABEL, DONT STEP	1	1	1	1				
16	1	120650-07130	LABEL, YANMAR LOGO	1	1	1	1				
17	1	120650-07150	LABEL, BSO	1	1	1	1				
18	1	120650-07160	LABEL, RCD FAMILY NA	1	1	1	1				
19	1	120650-07170	LABEL, CE MARK	1	1	1	1				
20	1	120650-07190	LABEL, RECREATIONAL	1	1	1	1				

[illegible]

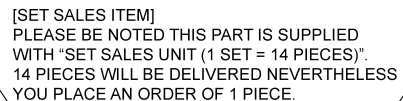
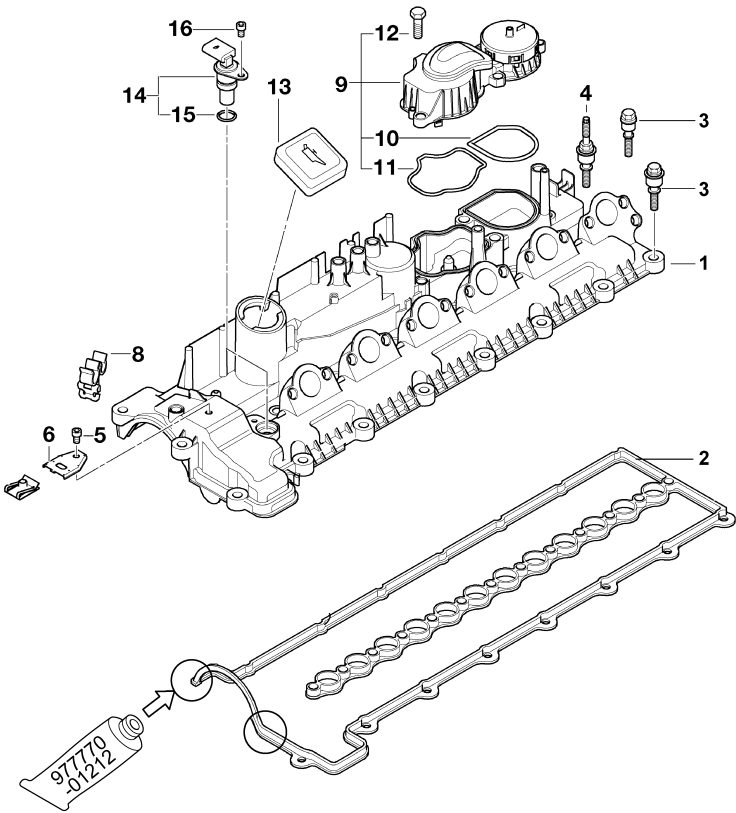
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Fig.9. CYLINDER HEAD COVER

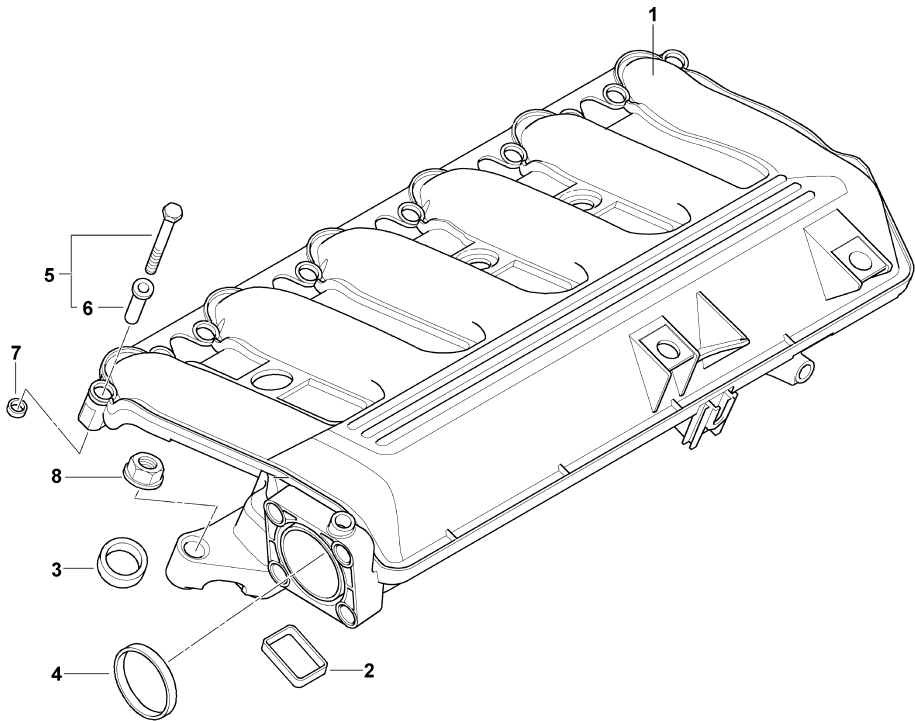


OCR10-G63901 9. CYLINDER HEAD COVER

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-68150	COVER, CYLINDER HEAD	1	1	1	1				
2	1	165000-68240	GASKET, PROFILE	1	1	1	1				
3	1	165000-67830	ELEMENT, OUTER	1	1	1	1				
4	1	165000-67840	ELEMENT, INNER	1	1	1	1				
5	1	165000-67360	SCREW, M6X12	1	1	1	1				
6	1	165000-68010	BRACKET, METAL	1	1	1	1				
8	1	165000-68230	CLAMP, HOSE D=6/8MM	1	1	1	1				
9	1	165000-68180	BREATHER	1	1	1	1				
10	2	165000-68160	GASKET, PROFILE	1	1	1	1				
11	2	165000-68170	GASKET, PROFILE	1	1	1	1				
12	2	165000-69910	BOLT, HEX	4	4	4	4				
13	1	165000-67980	COVER	1	1	1	1				
I 13-1	1	165000-71020	COVER	1	1	1	1				R
		(B=0/)	(C=05/10/)	(D=046)	(E=0443 04)						
14	1	165000-70700	GENERATOR, PULSE	1	1	1	1				
15	2	165000-70730	O-RING, 17X2.8	1	1	1	1				
16	1	165000-68120	BOLT, PLASTIC M5X19.5	1	1	1	1				

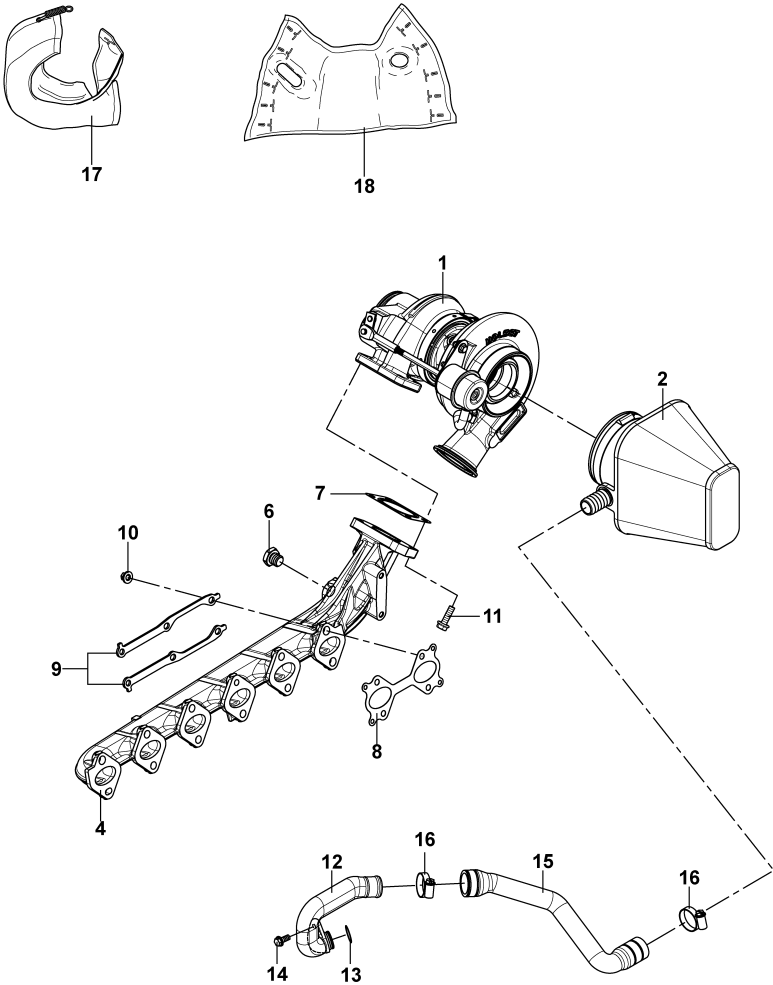
Fig.10. INTAKE MANIFOLD



(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-69870	MANIFOLD,INTAKE	1	1	1	1				
2	1	165000-69860	GASKET, PROFILE	6	6	6	6				
3	1	165000-69810	GASKET, PROFILE	6	6	6	6				
4	1	165000-69800	SEALING, RUBBER	1	1	1	1				
5	1	165000-69830	FASTEN, ELEMENT 6X42	12	12	12	12				
6	1	165000-69820	MOUNTING, RUBBER	7	7	7	7				
7	1	165000-69840	RING, BACKUP	7	7	7	7				
8	1	165000-67890	NUT, FLANGE M7	7	7	7	7				
9	1	165000-69850	BOX, VACUMM	1	1	1	1				

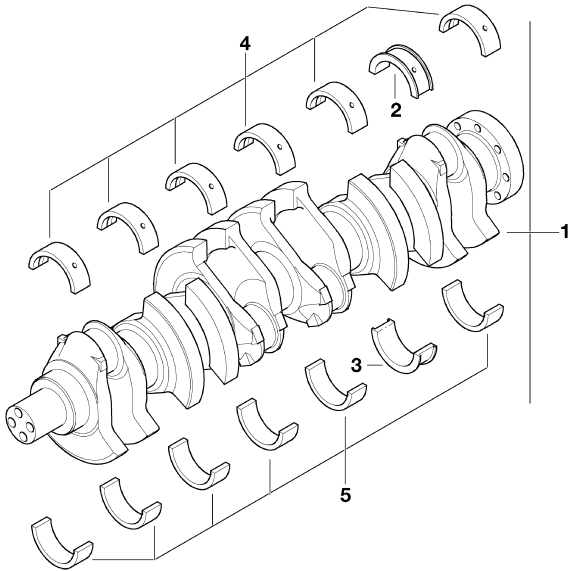
Fig.11. TURBOCHARGER



(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-18010	TURBOCHARGER, HOLSET	1	1	1	1				
2	1	120660-12510	FILTER, AIR	1	1	1	1				
4	1	120660-13030	MANIFOLD, EXHAUST	1	1	1	1				
6	1	120650-13330	PLUG, SCREW	1	1	1	1				
7	1	120660-18200	GASKET, TURBO IN	1	1	1	1				
8	1	120640-00040	GASKET, EXH.MANIFOLD	3	3	3	3				
9	1	120640-09030	RAIL, SLIDING	4	4	4	4				
10	1	120650-13070	NUT, M8	12	12	12	12				
11	1	120660-18110	SCREW, M8X25	4	4	4	4				
12	1	120660-11410	PIPE, BLOWBY	1	1	1	1				
13	1	120660-11460	O-RING, 21.95X1.78	1	1	1	1				
14	1	120640-01460	SCREW, M6X12	1	1	1	1				
15	1	120660-11430	HOSE, BLOWBY	1	1	1	1				
16	1	120640-01030	CLAMP, HOSE 40X13	2	2	2	2				
17	1	120660-18300	PROTECTOR, HEAT	1	1	1	1				
18	1	120660-18310	PROTECTOR, HEAT MANI	1	1	1	1				
19	1	120650-13800	PROTECTOR, HEAT HOSE	1	1	1	1				

Fig.12. CRANKSHAFT WITH BEARING SHELLS

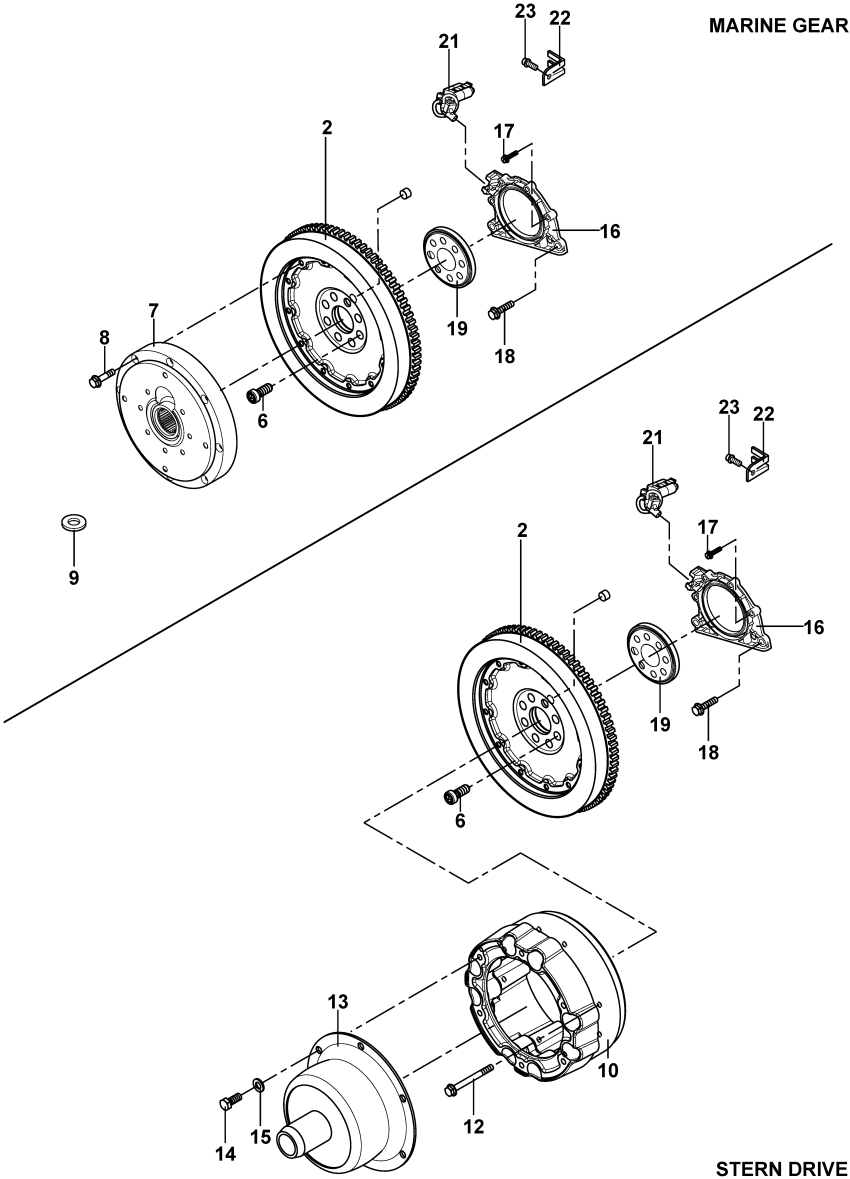


Remarks
(1)YELLOW
(2)GREEN
(3)WHITE

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-68850	CRANKSHAFT ASSY	1	1	1	1				
1A	1	165000-68860	CRANKSHAFT ASSY	1	1	1	1				
2AG	1	165000-68650	GUIDE, SHILL 60.00MM	1	1	1	1				2
2AW	1	165000-68660	GUIDE, SHILL 60.00MM	1	1	1	1				3
2AY	1	165000-68640	GUIDE, SHILL 60.00MM	1	1	1	1				1
2BG	1	165000-68680	GUIDE, 59.75MM +0.25	1	1	1	1				2
2BW	1	165000-68690	GUIDE, 59.75MM +0.25	1	1	1	1				3
2BY	1	165000-68670	GUIDE, 59.75MM +0.25	1	1	1	1				1
2CG	1	165000-68710	GUIDE, 59.50MM +0.50	1	1	1	1				2
2CW	1	165000-68720	GUIDE, 59.50MM +0.50	1	1	1	1				3
2CY	1	165000-68700	GUIDE, 59.50MM +0.50	1	1	1	1				1
3AG	1	165000-68740	GUIDE, SHILL 60.00MM	1	1	1	1				2
3AW	1	165000-68750	GUIDE, SHILL 60.00MM	1	1	1	1				3
3AY	1	165000-68730	GUIDE, SHILL 60.00MM	1	1	1	1				1
3BG	1	165000-68770	GUIDE, 59.75MM +0.25	1	1	1	1				2
3BW	1	165000-68780	GUIDE, 59.75MM +0.25	1	1	1	1				3
3BY	1	165000-68760	GUIDE, 59.75MM +0.25	1	1	1	1				1
3CG	1	165000-68800	GUIDE, 59.50MM +0.50	1	1	1	1				2
3CW	1	165000-68810	GUIDE, 59.50MM +0.50	1	1	1	1				3
3CY	1	165000-68790	GUIDE, 59.50MM +0.50	1	1	1	1				1
4AG	1	165000-68560	SHELL, BEARING 60.00	6	6	6	6				2
4AW	1	165000-68570	SHELL, BEARING 60.00	6	6	6	6				3
4AY	1	165000-68550	SHELL, BEARING 60.00	6	6	6	6				1
4BG	1	165000-68590	SHELL, 59.75MM +0.25	6	6	6	6				2
4BW	1	165000-68600	SHELL, 59.75MM +0.25	6	6	6	6				3
4BY	1	165000-68580	SHELL, 59.75MM +0.25	6	6	6	6				1
4CG	1	165000-68620	SHELL, 59.50MM +0.50	6	6	6	6				2
4CW	1	165000-68630	SHELL, 59.50MM +0.50	6	6	6	6				3
4CY	1	165000-68610	SHELL, 59.50MM +0.50	6	6	6	6				1
5AG	1	165000-68470	SHELL, BEARING 60.00	6	6	6	6				2
5AW	1	165000-68480	SHELL, BEARING 60.00	6	6	6	6				3
5AY	1	165000-68460	SHELL, BEARING 60.00	6	6	6	6				1
5BG	1	165000-68500	SHELL, 59.75MM +0.25	6	6	6	6				2
5BW	1	165000-68510	SHELL, 59.75MM +0.25	6	6	6	6				3
5BY	1	165000-68490	SHELL, 59.75MM +0.25	6	6	6	6				1
5CG	1	165000-68530	SHELL, 59.50MM +0.50	6	6	6	6				2
5CW	1	165000-68540	SHELL, 59.50MM +0.50	6	6	6	6				3
5CY	1	165000-68520	SHELL, 59.50MM +0.50	6	6	6	6				1

Fig.13. FLYWHEEL & CYL.MOUNTING PARTS

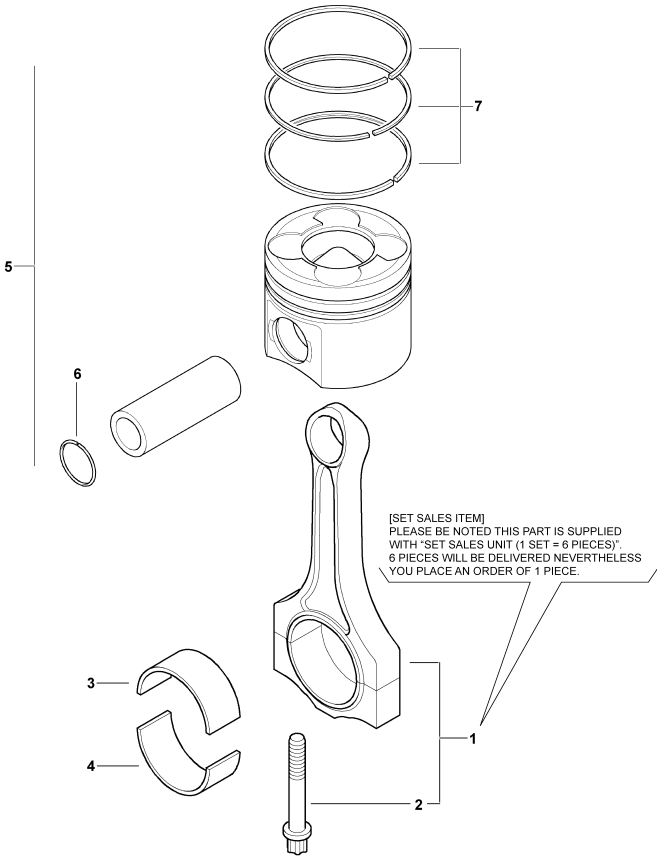


OCR10-G63901 13. FLYWHEEL & CYL.MOUNTING PARTS

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	120660-21400	FLYWHEEL ASSY	1	1	1	1				
6	1	120640-00240	SCREW, FLYWHEEL	8	8	8	8				
7	1	120652-21600	COUPLER, DAMPER 630	1	1						N
8	1	120640-01630	BOLT, M8X40 CTSK HEX	8	8						N
9	1	120640-02230	WASHER	17	17						N
10	1	120660-21470	ADAPTER, FLYWHEEL			1	1				
12	1	120640-01900	BOLT, M8X55-8.8			8	8				
13	1	120650-21500	COUPLER, STERN-DRIVE			1	1				
14	1	120640-01560	SCREW, M10X25			6	6				
15	1	120640-02210	WASHER			6	6				
16	1	165000-68440	CAP, W/SEAL	1	1	1	1				
17	1	165000-66930	BOLT, HEX M6 25	4	4	4	4				
18	1	165000-67120	BOLT, HEX M8 28	2	2	2	2				
19	1	165000-93310	WHEEL, GENERATOR	1			1				W
21	1	165000-70680	SENSOR, CRANKSHAFT	1	1	1	1				
22	1	165000-70690	TERMINAL, PLUG	1	1	1	1				
23	1	165000-67360	SCREW, M6X12	1	1	1	1				

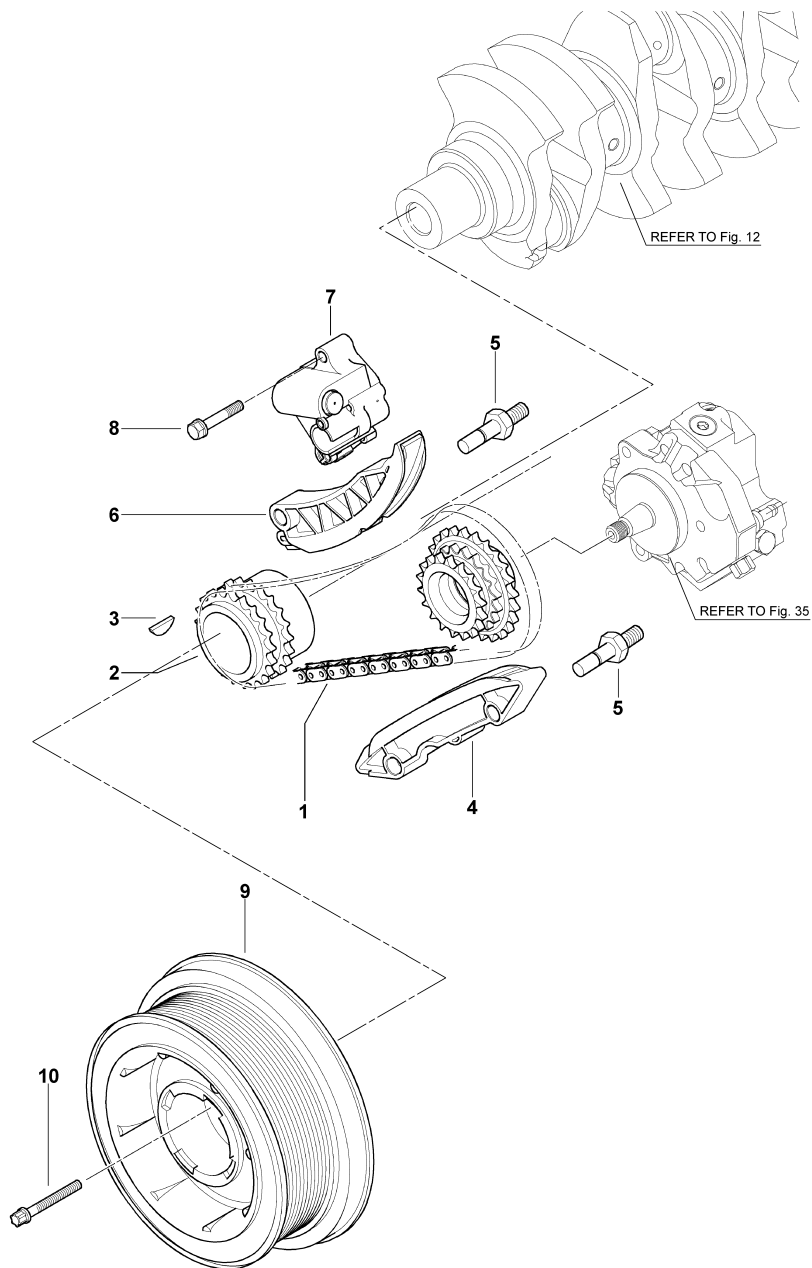
Fig.14. PISTON & CONNECTING ROD



Remarks
(1)COLOR BLUE S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69000)
(2)COLOR RED S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69010)
(3)COLOR BLUE S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69020)
(4)COLOR RED S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69030)
(5)COLOR BLUE S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69040)
(6)COLOR RED S MARK (ONLY IN CONJUNCTION WITH P/N 165000-69050)
(7)COLOR RED (ONLY IN CONJUNCTION WITH P/N 165000-68950)
(8)COLOR BLUE (ONLY IN CONJUNCTION WITH P/N 165000-68940)
(9)COLOR RED (ONLY IN CONJUNCTION WITH P/N 165000-68970)
(A)COLOR BLUE (ONLY IN CONJUNCTION WITH P/N 165000-68960)
(B)COLOR RED (ONLY IN CONJUNCTION WITH P/N 165000-68990)
(C)COLOR BLUE (ONLY IN CONJUNCTION WITH P/N 165000-68980)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-69060	ROD, RMFD CONNECTING	1	1	1	1				
2	1	165000-68930	BOLT, CONNECTING ROD	12	12	12	12				
3A	1	165000-68950	SHELL, BEARING 45.00	6	6	6	6				1
3B	1	165000-68940	SHELL, BEARING 45.00	6	6	6	6				2
3C	1	165000-68970	SHELL, 44.75MM +0.25	6	6	6	6				3
3D	1	165000-68960	SHELL, 44.75MM +0.25	6	6	6	6				4
3E	1	165000-68990	SHELL, 44.50MM +0.50	6	6	6	6				5
3F	1	165000-68980	SHELL, 44.50MM +0.50	6	6	6	6				6
4A	1	165000-69000	SHELL, BEARING 45.00	6	6	6	6				7
4B	1	165000-69010	SHELL, BEARING 45.00	6	6	6	6				8
4C	1	165000-69020	SHELL, 44.75MM +0.25	6	6	6	6				9
4D	1	165000-69030	SHELL, 44.75MM +0.25	6	6	6	6				A
4E	1	165000-69040	SHELL, 44.50MM +0.50	6	6	6	6				B
4F	1	165000-69050	SHELL, 44.50MM +0.50	6	6	6	6				C
5	1	165000-69100	PISTON, MAHLE	6	6	6	6				
6	2	165000-69070	RING, LOCK	12	12	12	12				
7	2	165000-69080	RING SET, PISTON	6	6	6	6				
7A	1	165000-69090	RING SET, PISTON .25	6	6	6	6				



0CR10-G63901 15. TIMING CHAIN LOWER P/DAMPER

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

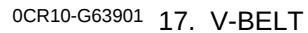
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	165000-70260	CHAIN, TIMING	1	1	1	1		
2	1	165000-68820	SPROCKET, CRANKSHAFT	1	1	1	1		
3	1	165000-67430	KEY, WOODRUFF 5X6.5	1	1	1	1		
4	1	165000-70230	RAIL, GUIDE	1	1	1	1		
5	1	165000-67730	BOLT, BEARING	3	3	3	3		
6	1	165000-70220	TENSIONER, CHAIN	1	1	1	1		
7	1	165000-70250	TENSIONER, CHAIN	1	1	1	1		
8	1	165000-67110	BOLT, HEX M6 30	3	3	3	3		
9	1	165000-68900	DAMPER, VIBRATION	1	1	1	1		
10	1	165000-68870	BOLT, TORX M10X86	4	4	4	4		



(D)=6BY260Z
(E)=
(F)=

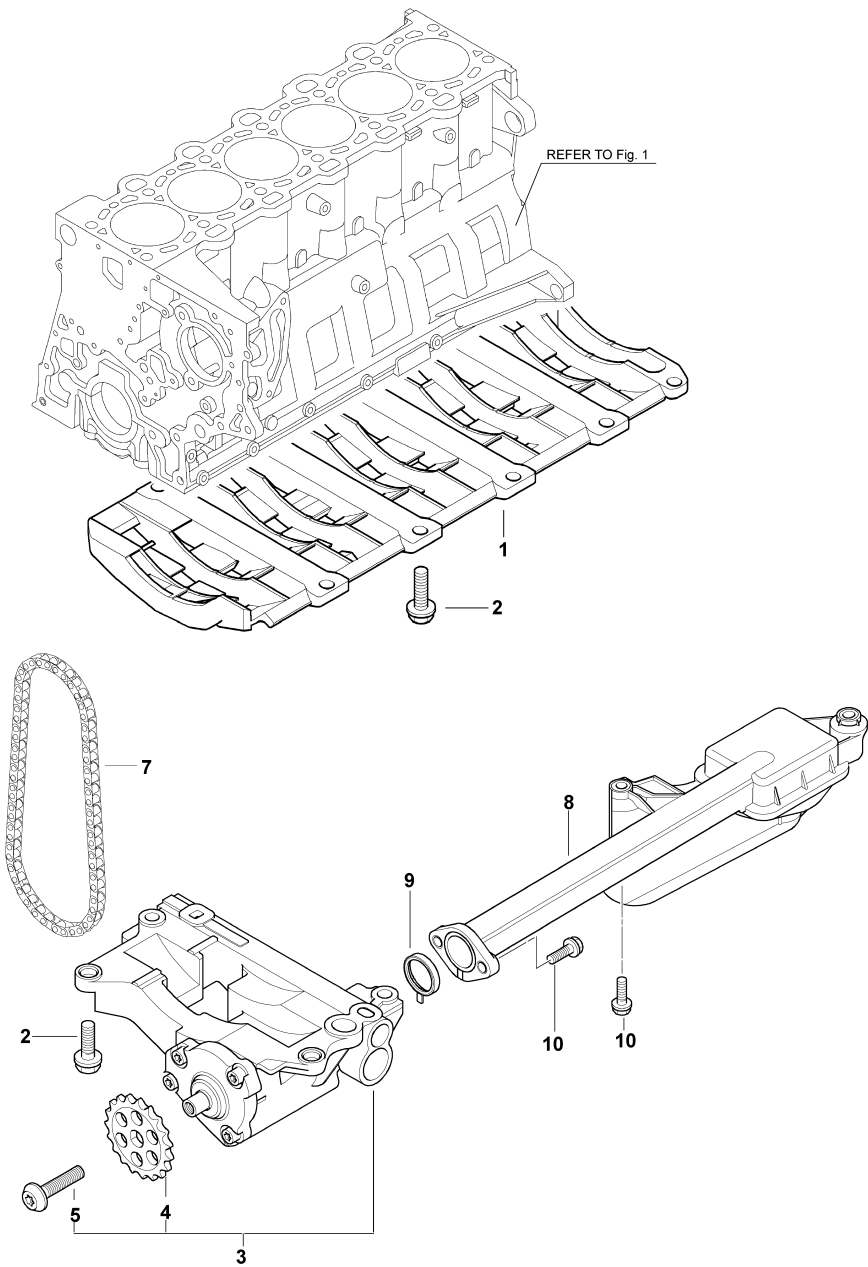
N:Old $\begin{smallmatrix} \text{Yes} \\ \text{No} \end{smallmatrix}$ New, Q:Old $\begin{smallmatrix} \text{No} \\ \text{Yes} \end{smallmatrix}$ New, R:Old $\begin{smallmatrix} \text{Yes} \\ \text{Yes} \end{smallmatrix}$ New, S:Old $\begin{smallmatrix} \text{No} \\ \text{No} \end{smallmatrix}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C)Copy Rights YANMAR CO.,LTD.

STERN DRIVE



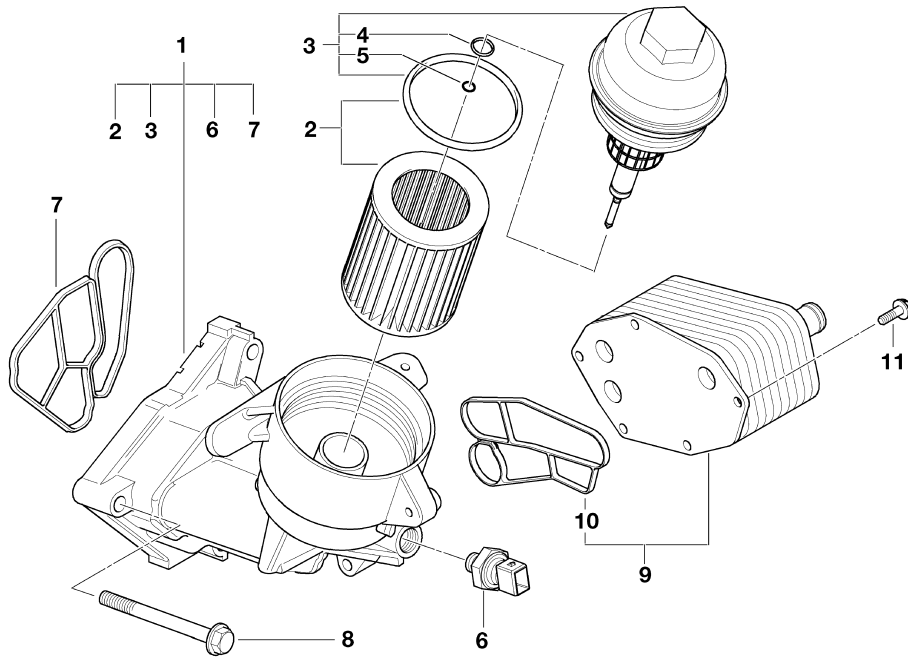
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C)Copy Rights YANMAR CO.,LTD.

Fig.18. LUB.OIL PUMP

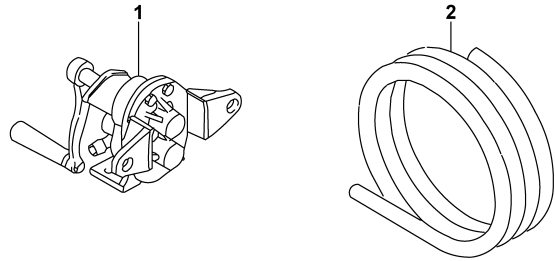


OCR10-G63901 18. LUB.OIL PUMP

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-67810	REINFORCEMENT, BOWL	1	1	1	1				
2	1	165000-67280	BOLT, HEX M8 28	14	14	14	14				
3	1	165000-69410	PUMP, OIL	1	1	1	1				
4	2	165000-69370	SPROCKET, OIL PUMP	1	1	1	1				
5	2	165000-69390	BOLT, TORX M8X35	1	1	1	1				
7	1	165000-69400	CHAIN	1	1	1	1				
8	1	120660-32600	STRAINER ASSY, OIL	1	1	1	1				
I 8-1	1	165000-93300	TUBE,SCREW	1			1				R
(D=4.06)											
9	1	165000-69430	GASKET, PROFILE	1	1	1	1				
10	1	165000-68320	SCREW, COLLAR M6X20	4	4	4	4				



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-69550	FILTER ASSY, OIL	1	1	1	1				
2	2	165000-69590	ELEMENT, OIL FILTER	1	1	1	1				
3	2	165000-69630	COVER, OIL FILTER	1	1	1	1				
4	3	165000-69570	O-RING, 21.0 3.0	1	1	1	1				
5	3	165000-69580	O-RING, 8.80 2.67	1	1	1	1				
6	2	165000-70120	SWITCH, OIL PRESSURE	1	1	1	1				
7	2	165000-69560	GASKET, PROFILE	1	1	1	1				
8	1	165000-66950	BOLT, HEX M8X45	3	3	3	3				
9	1	165000-69600	EXCHANGER, HEAT	1	1	1	1				
10	2	165000-69610	GASKET, PROFILE	1	1	1	1				
11	1	165000-69620	BOLT, TORX M6X20	6	6	6	6				



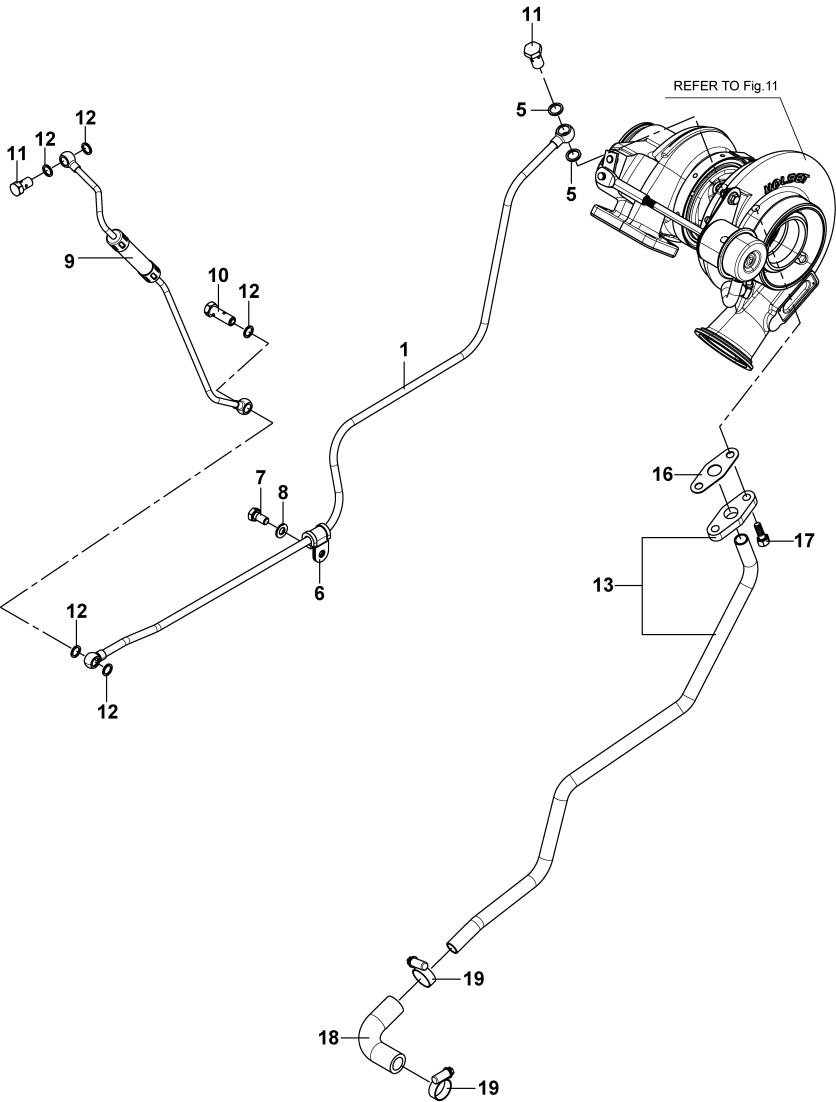
0CR10-G63901 20. ROTARY PUMP(OPTION)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

[illegible]

Fig.21. PIPE, OIL

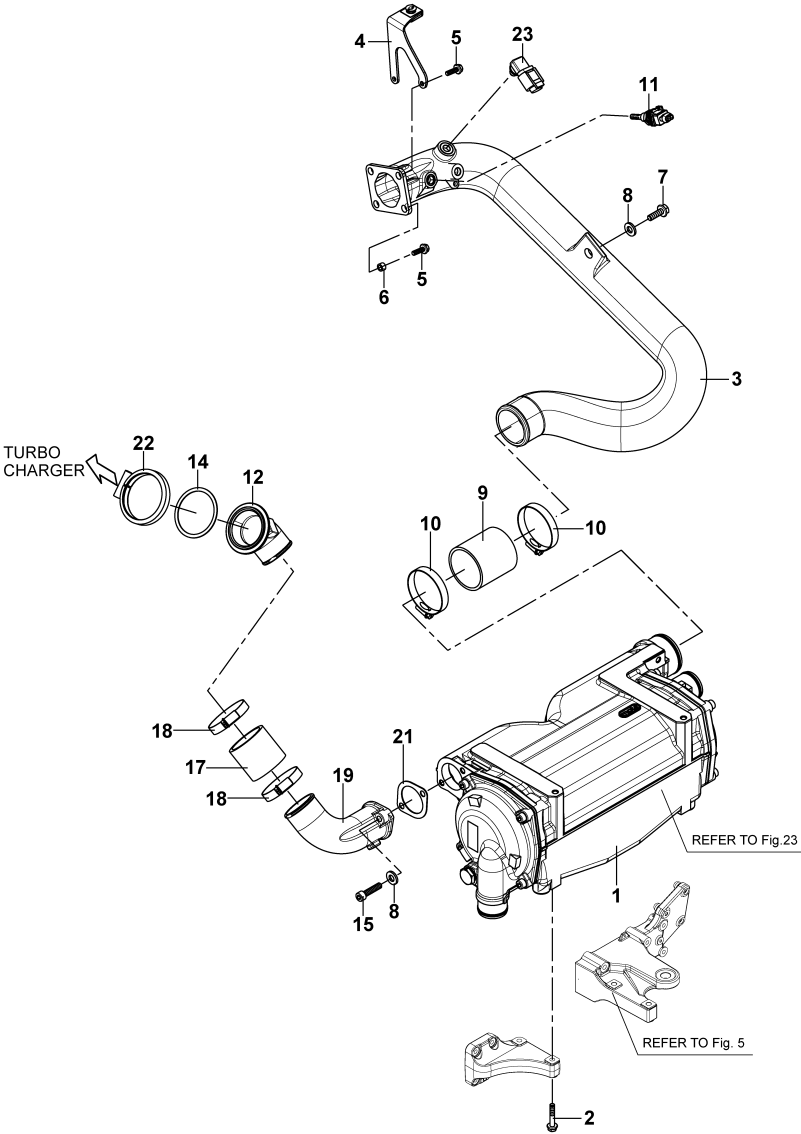


(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-39350	PIPE ASSY, OIL TC IN	1	1	1	1				
5	1	120640-00290	RING, SEALING A30X36	2	2	2	2				
6	1	120650-85410	CLAMP, PIPE	1	1	1	1				
7	1	120640-01510	SCREW, M8X16	1	1	1	1				
8	1	120640-02230	WASHER	1	1	1	1				
9	1	120650-39350	PIPE, OIL SENSOR	1	1	1	1				
10	1	120650-39290	SCREW, HOLLOW	1	1	1	1				
11	1	120640-01410	SCREW, HOLLOW	2	2	2	2				
12	1	120640-01210	RING, SEALING	5	5	5	5				
13	1	120660-39200	PIPE ASSY, TURBO OUT	1	1	1	1				
16	1	120660-39310	GASKET, OIL RETURN	1	1	1	1				
17	1	120640-01580	SCREW, M8X25	2	2	2	2				
18	1	120650-39250	HOSE, TURBO RETURN	1	1	1	1				
19	1	120640-01020	CLAMP, HOSE 27X9	2	2	2	2				
20	1	120640-09110	SUPPORT, HOSE 2519	1	1	1	1				
21	1	120640-00250	SUPPORT, HOSE 1412	3	3	3	3				

Fig.22. AIR COOLER

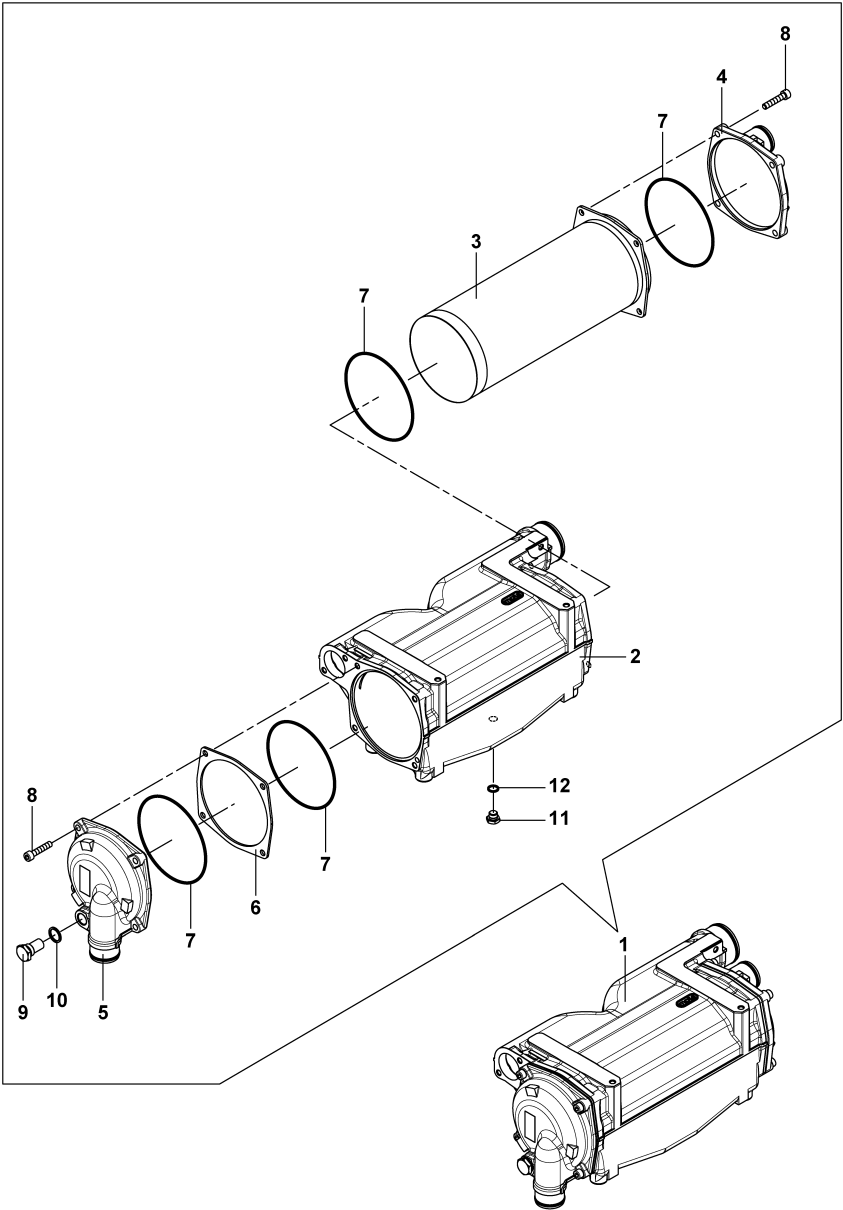


(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-18400	COOLER ASSY, AIR	1	1	1	1				
2	1	120640-01990	BOLT, M10X60-8.8	4	4	4	4				
3	1	120650-18810	AIR DUCT, CAC OUT	1	1	1	1				
4	1	120650-17110	SUPPORT, COVER SUC	1	1	1	1				
5	1	120640-01590	SCREW, M6X25	4	4	4	4				
6	1	120640-02220	WASHER	2	2	2	2				
7	1	120640-01540	SCREW, M8X35	1	1	1	1				
8	1	120640-02230	WASHER	2	2	2	2				
9	1	120650-18910	HOSE, CAC OUT	1	1	1	1				
10	1	120640-01050	CLAMP, HOSE 80X13	2	2	2	2				
11	1	120640-00130	SENSOR, AIR TEMP	1	1	1	1				
12	1	120660-18050	ELBOW, AIR CHARGE	1	1	1	1				
14	1	120660-18210	GASKET, AIR CHARGE	1	1	1	1				
15	1	120640-01540	SCREW, M8X35	2	2	2	2				
17	1	120660-18900	HOSE, COMPRESSOR OUT	1	1	1	1				
18	1	120650-49720	CLAMP, HOSE	2	2	2	2				
19	1	120660-18820	DUCT, AIR	1	1	1	1				
21	1	120650-18850	GASKET, AIR CAC IN	1	1	1	1				
22	1	120660-18140	V-CLAMP	1	1	1	1				
23	1	120640-00140	SENSOR, BOOST P	1	1	1	1				

Fig.23. AIR COOLER(INNER PARTS)

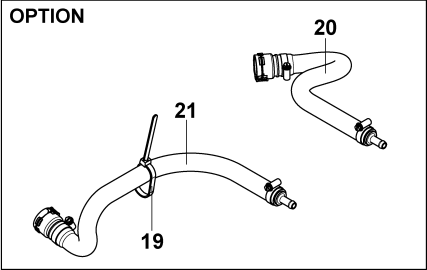
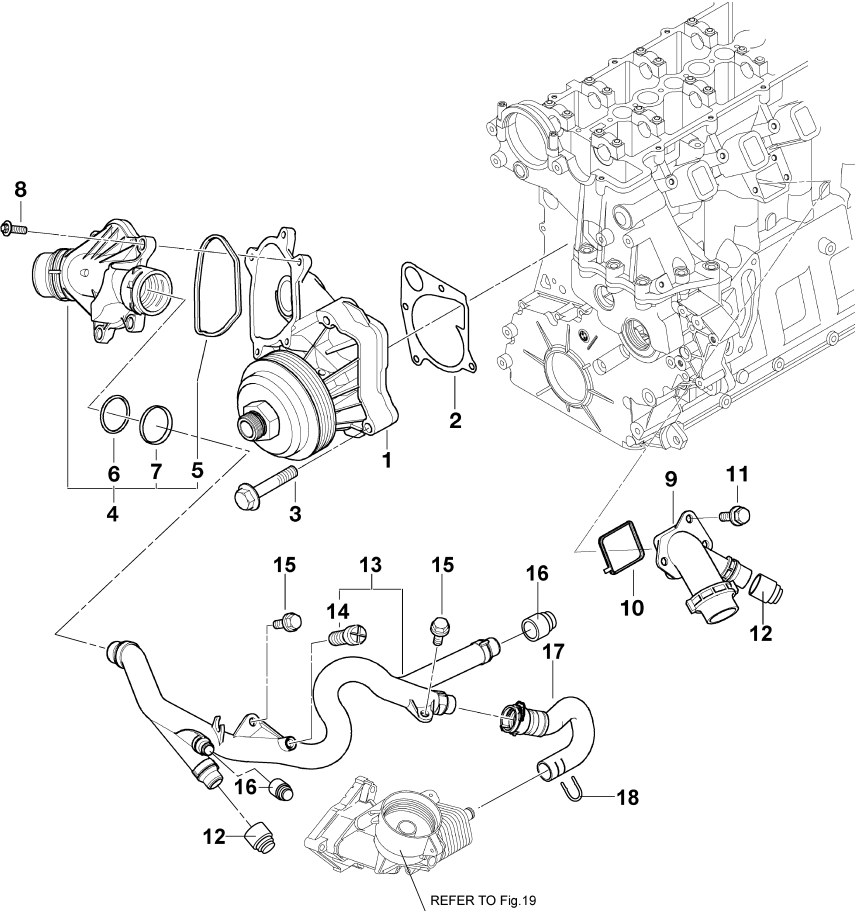


OCR10-G63901 23. AIR COOLER(INNER PARTS)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

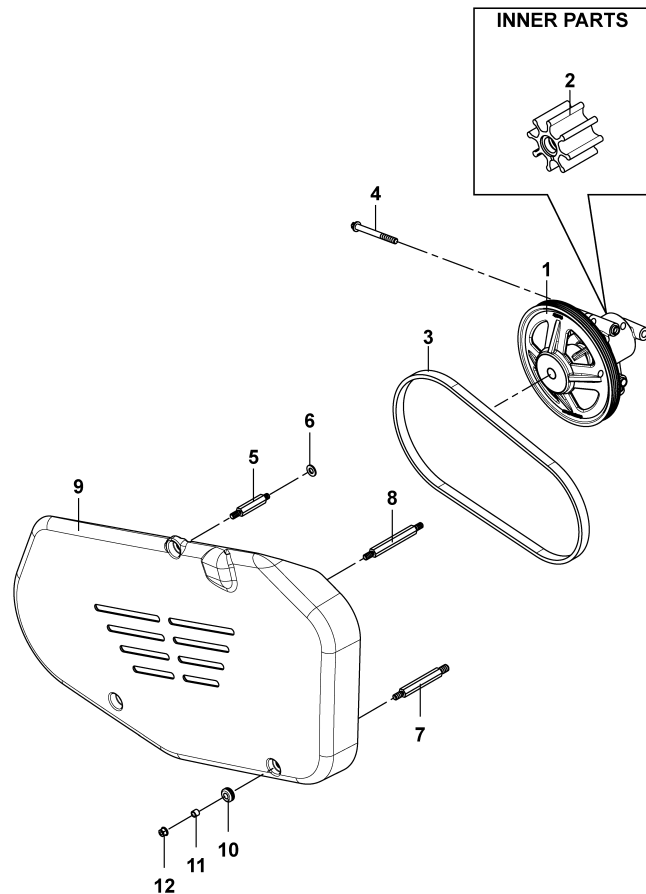
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-18400	COOLER ASSY, AIR	1	1	1	1				
2	2	120660-18410	HOUSING, CAC 6BY	1	1	1	1				
3	2	120660-18420	TUBE STACK, 6BY	1	1	1	1				
4	2	120650-18430	COVER, CAC REAR	1	1	1	1				
5	2	120650-18440	COVER, CAC FRONT	1	1	1	1				
6	2	120650-18450	SPACER, CAC	1	1	1	1				
7	2	120650-18470	O-RING, CAC	4	4	4	4				
8	2	120650-18480	BOLT, M8X40	8	8	8	8				
9	2	120650-18490	ZINC	1	1	1	1				
10	2	120650-18500	GASKET, CUPPER	1	1	1	1				
11	2	120650-18510	PLUG, DRAIN	1	1	1	1				
12	4	120650-18520	GASKET, CUPPER	1	1	1	1				

Fig.24. WATER PUMP



OCR10-G63901 24. WATER PUMP

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	165000-69710	PUMP, RMFD WATER	1	1	1	1				
	1-1	165000-63610	PUMP, RMFD WATER	1			1				R
(D=7.06)											
I	1A	165001-22380	PUMP, WATER	1			1				W
(D=7.06)											
2	1	165000-69720	GASKET, STEEL	1	1	1	1				
3	1	165000-69690	SCREW, TORX M7X38	4	4	4	4				
4	1	165000-69680	THERMOSTAT ASSY	1	1	1	1				
5	1	165000-69650	GASKET, PROFILE	1	1	1	1				
6	1	165000-69660	O-RING	1	1	1	1				
7	1	165000-69670	RING, BACKUP	1	1	1	1				
8	1	165000-67240	BOLT, HEX M6X20	4	4	4	4				
9	1	165000-67950	CONNECTOR	1	1	1	1				
10	1	165000-67960	GASKET, PROFILE	1	1	1	1				
11	1	165000-66930	BOLT, HEX M6 25	3	3	3	3				
12	1	120650-49390	COUPLING, QUICK	2	2	2	2				
13	1	165000-69760	PIPE, RETURN	1	1	1	1				
I	13-1	165000-93320	PIPE, RETURN	1	1	1	1				R
(B=7/)											
(C=06/07/)											
(D=056)											
(E=1333 05)											
14	1	165000-69780	SCREW, VENT	1	1	1	1				
15	1	165000-69360	SCREW, COLLAR M6X18	2	2	2	2				
16	1	120650-49380	COUPLING, QUICK	1	1	1	1				
17	1	165000-69770	HOSE, WATER	1	1	1	1				
18	1	120640-01020	CLAMP, HOSE 27X9	1	1	1	1				
19	1	120640-09130	TIE, STRAP 550	1	1	1	1				
20	1	120650-49850	HOSE ASSY, HEATER SU	1	1	1	1				
21	1	120660-49860		1	1	1	1				



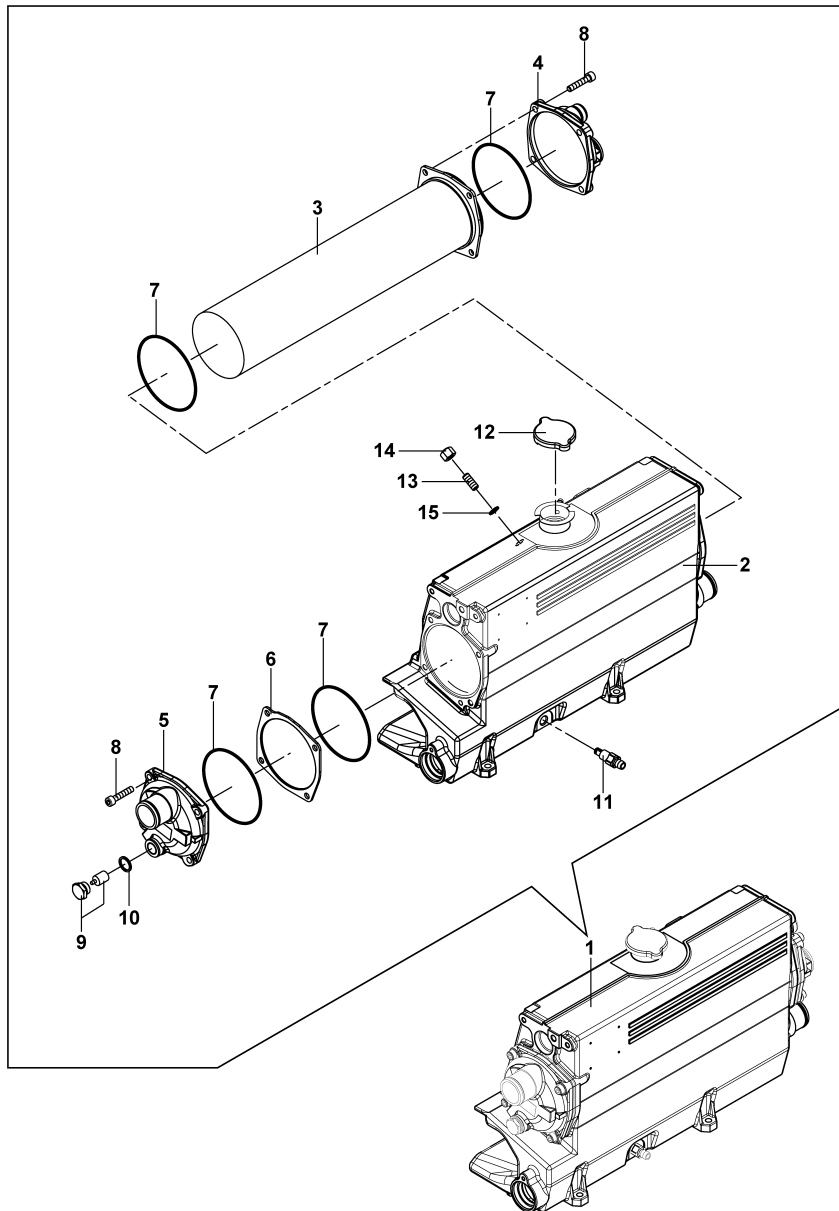
0CR10-G63901 25. COOLING SEA WATER PUMP

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120650-42300	IMPELLER, PUMP	1	1	1	1				
2	2	120650-42310	IMPELLER	1	1	1	1				
3	1	120650-42360	V-BELT, 4PK 964	1	1	1	1				
4	1	120640-01550	SCREW, M8X80	3	3	3	3				
5	1	120650-17200	BOLT, FIXING 1	1	1	1	1				
6	1	120640-02230	WASHER	1	1	1	1				
7	1	120650-17210	BOLT, FIXING 2	1	1	1	1				
8	1	120650-17220	BOLT, FIXING 3	1	1	1	1				
9	1	120650-17170	COVER ASSY, BELT	1	1	1	1				
10	1	120640-00280	GROMMET	3	3	3	3				
11	1	120640-00270	COLLAR,BRACKET	3	3	3	3				
12	1	120640-00330	NUT, FLANGE M8	3	3	3	3				

[illegible]



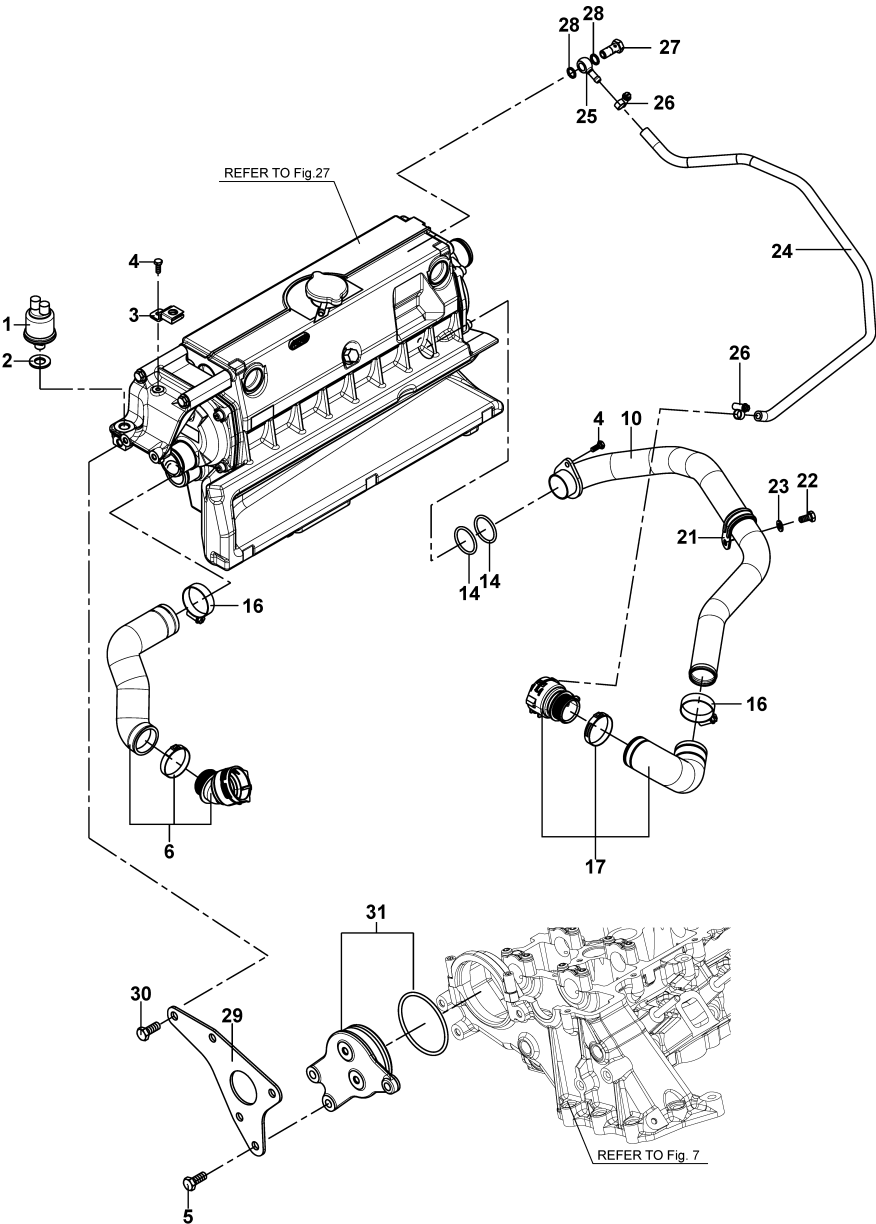
0CR10-G63901 27. HEAT EXCHANGER(INNER PARTS)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-44000	HEAT EXCHANGER ASSY	1	1	1	1				
2	2	120660-44010	HOUSING, HEX 6BY	1	1	1	1				
3	2	120660-44020	CORE, HEX 6BY	1	1	1	1				
4	2	120650-44030	COVER, HEX REAR	1	1	1	1				
5	2	120650-44040	COVER, HEX FRONT	1	1	1	1				
6	2	120650-44050	SPACER, HEX	1	1	1	1				
7	2	120650-44070	O-RING, HEX	4	4	4	4				
8	2	120650-18480	BOLT, M8X40	8	8	8	8				
9	2	120650-18490	ZINC	1	1	1	1				
10	2	120650-18500	GASKET, CUPPER	1	1	1	1				
11	2	120650-44080	COCK,DRAIN	1	1	1	1				
12	2	120650-44090	CAP, FILLER	1	1	1	1				
13	2	120660-44030	BOLT, M10X25	1	1	1	1				
14	2	120660-44040	NUT,M10	1	1	1	1				
15	2	120660-44050	WASHER, SEAL 10	1	1	1	1				

Fig.28. HOSE, FW PUMP



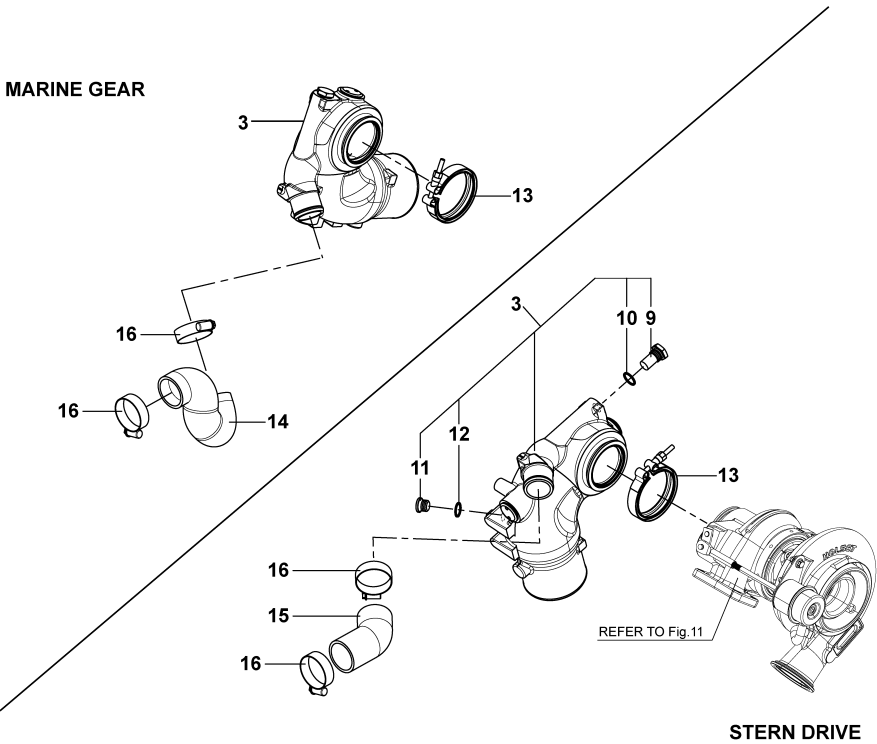
OCR10-G63901 28. HOSE, FW PUMP

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120650-39270	SENSOR, OIL PRESSURE	1	1	1	1				
2	1	120640-01240	RING, SEALING A14X18	1	1	1	1				
3	1	120650-17120	SUPPORT, COVER EXH	1	1	1	1				
4	1	120640-02080	BOLT, M6X16-8.8	2	2	2	2				
5	1	120640-01530	SCREW, M8X30	3	3	3	3				
6	1	120660-49100	HOSE ASSY, ENGINE IN	1	1	1	1				
10	1	120660-49250	PIPE ASSY, HEAD OUT	1	1	1	1				
14	1	120650-49260	O-RING, 36X3.53	2	2	2	2				
16	1	120650-49710	CLAMP, HOSE	2	2	2	2				
17	1	120650-49200	HOSE ASSY, HEAD OUT	1	1	1	1				
21	1	120650-49650	CLAMP, PIPE	1	1	1	1				
22	1	120640-01510	SCREW, M8X16	1	1	1	1				
23	1	120640-02230	WASHER	1	1	1	1				
24	1	120660-49330	HOSE, VENTILATION	1	1	1	1				
25	1	120650-49350	NIPPLE, HOSE	1	1	1	1				
26	1	120640-01010	CLAMP, HOSE 16X7,5	2	2	2	2				
27	1	120640-01410	SCREW, HOLLOW	1	1	1	1				
28	1	120640-01210	RING, SEALING	2	2	2	2				
29	1	120650-44190	BRACKET, FRONT TOP	1	1	1	1				
30	1	120640-01520	SCREW, M8X20	5	5	5	5				
31	1	165000-93280	COVER	1	1	1	1				

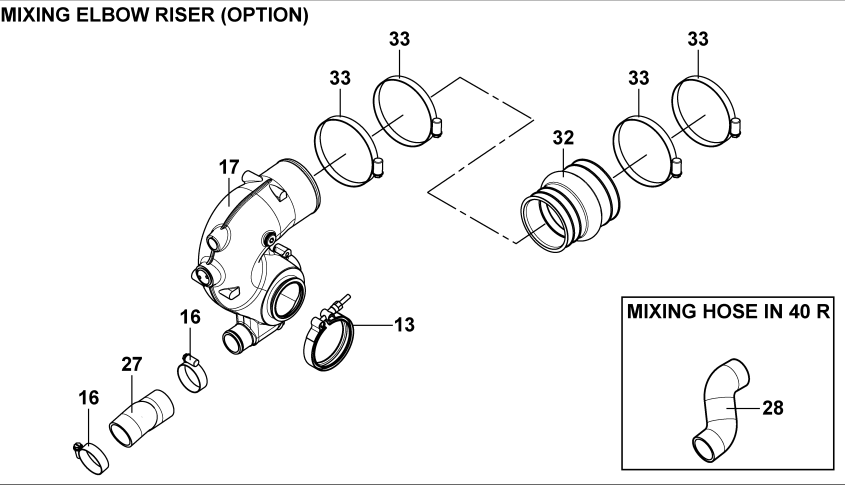
Fig.29. MIXING ELBOW

MARINE GEAR



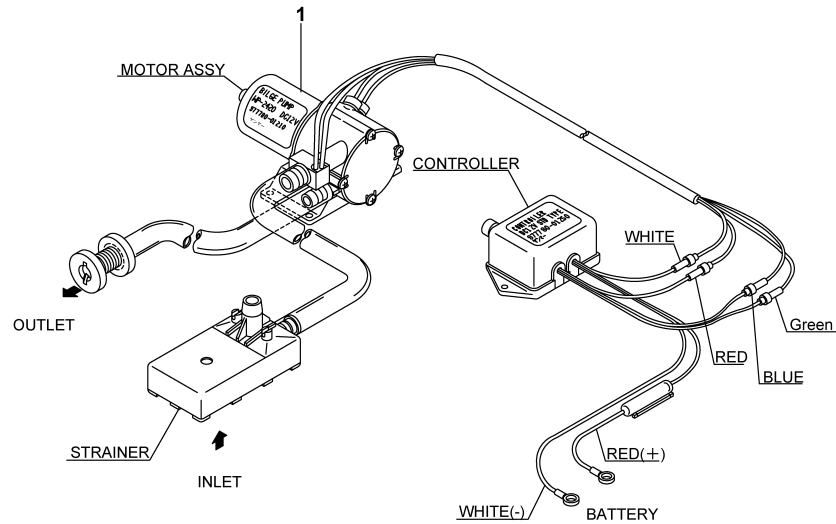
STERN DRIVE

MIXING ELBOW RISER (OPTION)



(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	120660-13400	ELBOW ASSY, MIXING			1	1				
9	3	120650-13420	PLUG, M18X1.5	1	1	1	1				
10	3	120640-01270	RING, SEALING A18X22	1	1	1	1				
11	3	120650-13490	PLUG	1	1	1	1				
12	3	120640-01260	RING, SEALING A17X21	1	1	1	1				
13	1	120650-13450	V-CLAMP, TURBINE OUT	1	1	1	1				
14	1	120650-13850	HOSE, MIXING IN 25	1	1						
15	1	120650-13510	HOSE, MIXING IN			1	1				
16	1	120650-49720	CLAMP, HOSE	2	2	2	2				
17	1	120652-13400	ELBOW ASSY, MIXING	1	1	1	1				
27	1	120650-13750	HOSE, MIXING IN 10 R	1	1	1	1				
28	1	120650-13760	HOSE, MIXING IN 40 R	1	1	1	1				
30	1	120650-44100	HOSE, MIXING DRAIN	1	1	1	1				
31	1	120640-01010	CLAMP, HOSE 16X7,5	2	2	2	2				
32	1	120650-13520	JOINT, RUBBER	1	1	1	1				
33	1	119172-48010	HOSE CLIPS	4	4	4	4				

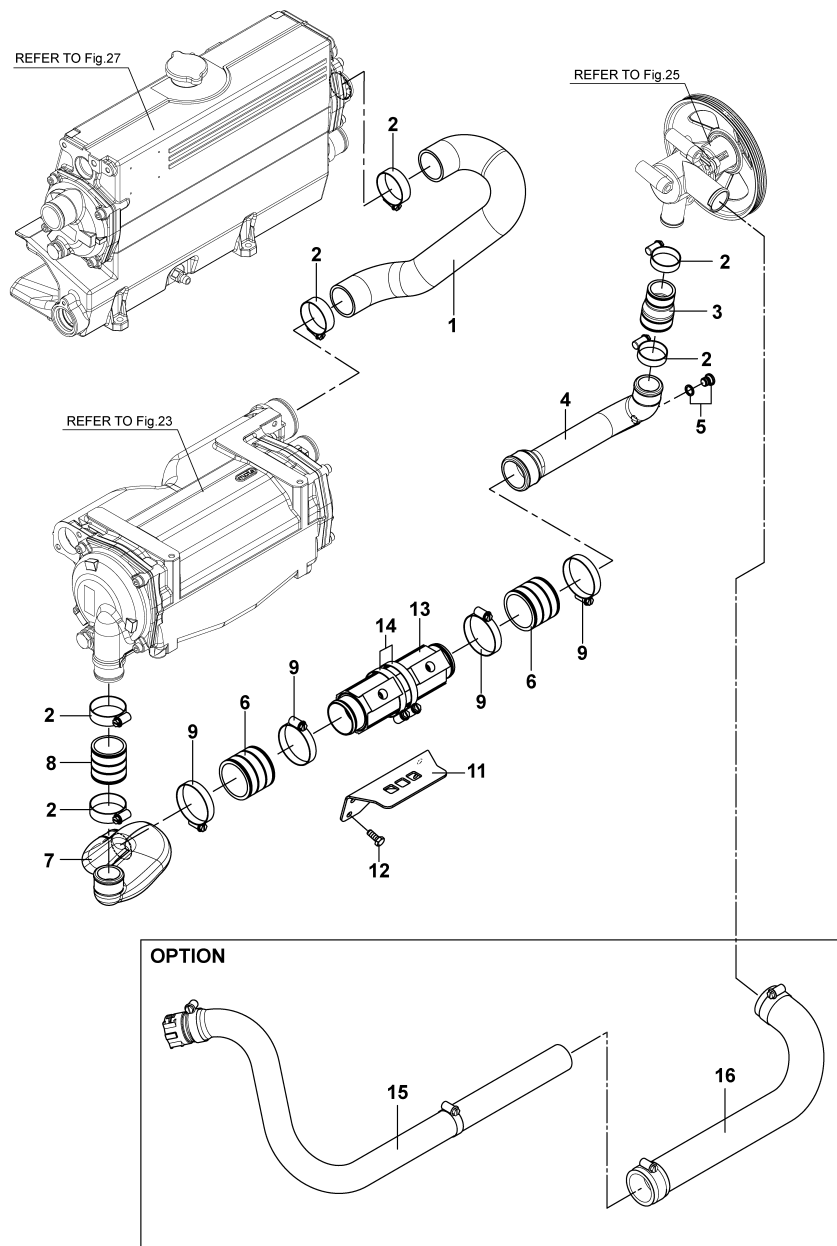


0CR10-G63901 30. BILGE PUMP(OPTION)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	127675-46012	PUMP,BILGE (12V	1	1	1	1				

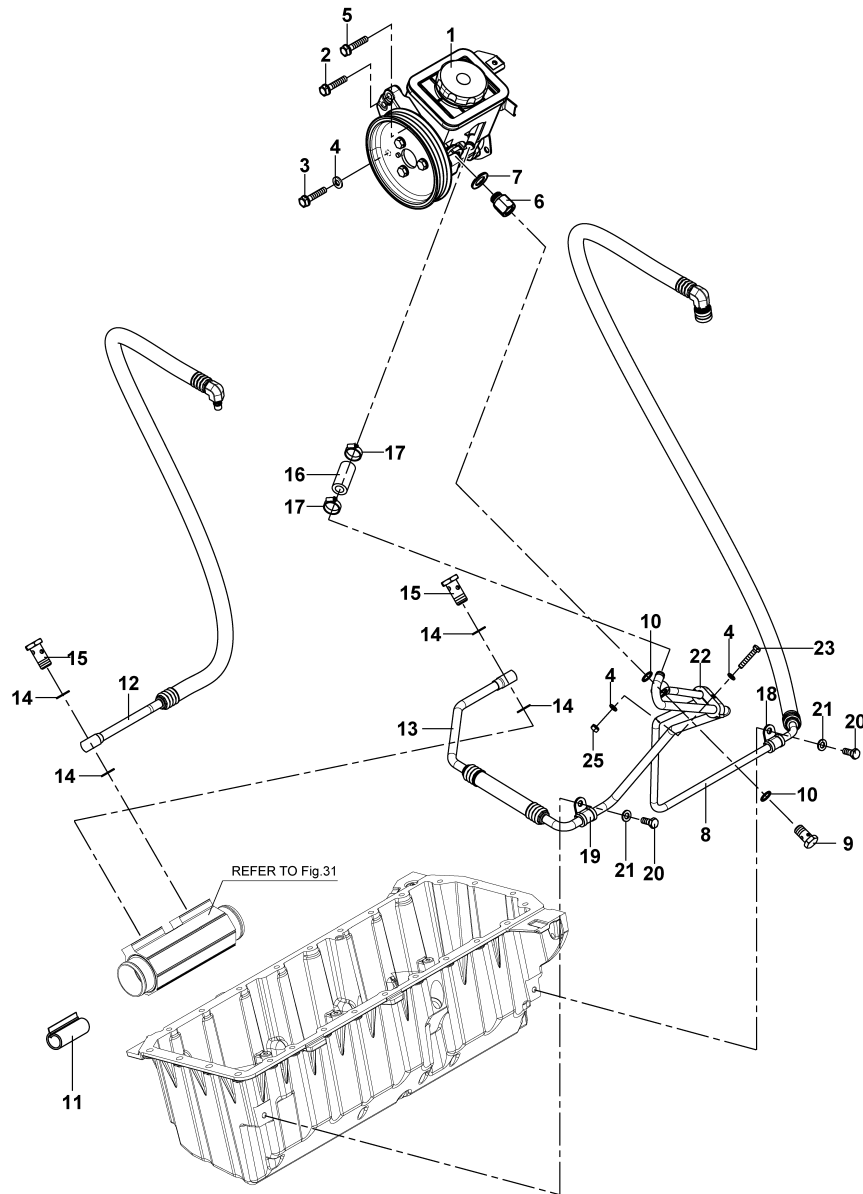


0CR10-G63901 31. STEERING OIL COOLER

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-49560	HOSE, CAC-HE	1	1	1	1				
2	1	120650-49710	CLAMP, HOSE	6	6	6	6				
3	1	120650-49520	HOSE, PUMP JOINT	1	1	1	1				
4	1	120660-49540	PIPE, WATER PUMP OUT	1	1	1	1				
5	1	120650-49610	PLUG, DRAIN	1	1	1	1				
6	1	120650-49550	HOSE, COOLER JOINT	2	2	2	2				
7	1	120650-49580	PIPE, CAC IN	1	1	1	1				
8	1	120650-49590	HOSE, CAC IN	1	1	1	1				
9	1	120650-49720	CLAMP, HOSE	4	4	4	4				
11	1	120650-33300	BRACKET, OIL COOLER	1	1	1	1				
12	1	120640-01520	SCREW, M8X20	4	4	4	4				
13	1	120650-57010	COOLER,ATF GEAR OIL	1	1	1	1				
14	1	120640-01050	CLAMP, HOSE 80X13	2	2	2	2				
15	1	D20650-49410	HOSE ASSY, DRAVE					1	1		
16	1	D20650-49420	PHOSE ASSY. PUMP I		1	1	1	1	1		



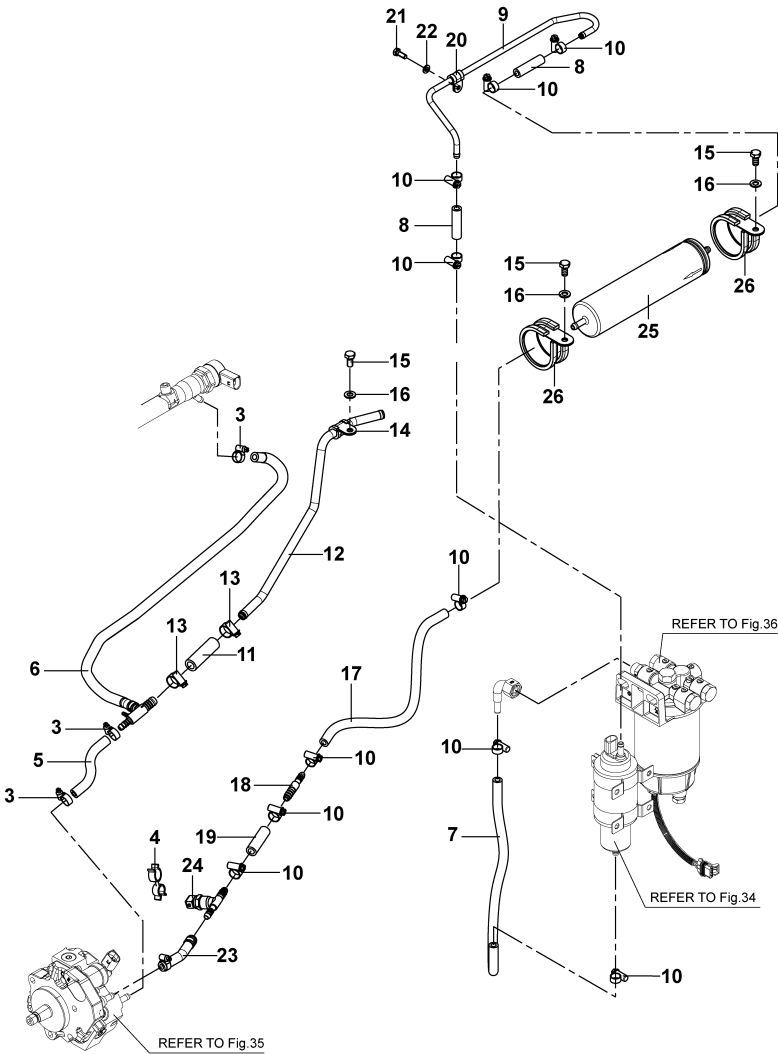
0CR10-G63901 32. STEERING PUMP/PIPE

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120640-00150	PUMP ASSY,STEERING			1	1				
2	1	120640-01930	BOLT, M8X80-8.8			1	1				
3	1	120640-01570	BOLT, M6X80-8.8			1	1				
4	1	120640-02220	WASHER			3	3				
5	1	120640-01870	BOLT, M8X40-8.8			1	1				
6	1	120650-57410	ADAPTER,ATF PUMP			1	1				
7	1	120640-00300	RING, SEALING A30X36			1	1				
8	1	120660-85330	PIPE, ATF PUMP OUT			1	1				
9	1	120640-01420	SCREW, HOLLOW			1	1				
10	1	120640-01240	RING, SEALING A14X18			2	2				
11	1	120650-85450	PROTECTOR, HEAT POWE			2	2				
12	1	120660-85360	PIPE, ATF RETURN			1	1				
13	1	120660-85320	PIPE, ATF COOLER OUT			1	1				
14	1	120640-01260	RING, SEALING A17X21			4	4				
15	1	120650-85370	SCREW, HOLLOW			2	2				
16	1	120650-57440	HOSE, ATF PUMP INLET			1	1				
17	1	120640-01020	CLAMP, HOSE 27X9			2	2				
18	1	120650-85410	CLAMP, PIPE			1	1				
19	1	120650-85390	CLAMP, PIPE			1	1				
20	1	120640-01520	SCREW, M8X20			2	2				
21	1	120640-02230	WASHER			2	2				
22	1	120650-85430	CLAMP, PIPE			1	1				
23	1	120640-01830	BOLT, M6X35-8.8			1	1				
25	1	120640-00200	NUT,M6			1	1				

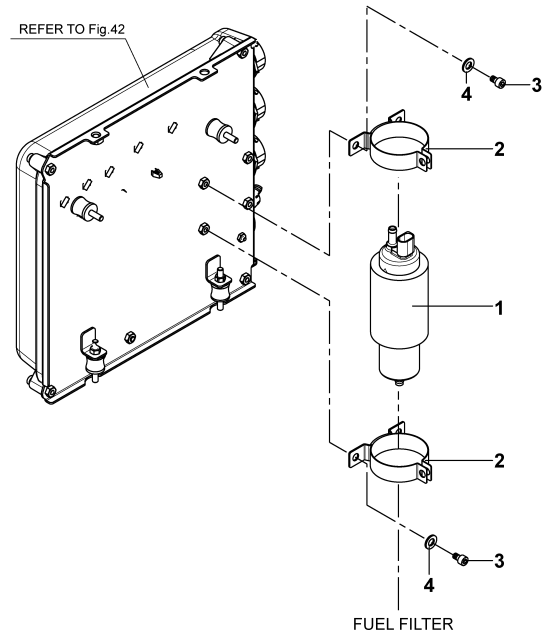
Fig.33. FUEL OIL FILTER/PIPE



(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	165000-67590	CLAMP, HOSE L15-19	1	1	1	1				
3	1	165000-67580	CLAMP, HOSE L12-15	3	3	3	3				
4	1	165000-70540	CLAMP,HOSE D=18/D=10	1	1	1	1				
5	1	165000-70610	PIPE, FUEL RETURN	1	1	1	1				
6	1	165000-70530	PIECE, DISTRIBUTION	1	1	1	1				
7	1	120650-55310	HOSE, FILTER-PUMP	1	1	1	1				
8	1	120650-55320	HOSE, PUMP-FILTER	2	2	2	2				
9	1	120650-55340	PIPE, FUEL FILTER IN	1	1	1	1				
10	1	120640-01010	CLAMP, HOSE 16X7,5	12	12	12	12				
11	1	120650-55370	HOSE, FUEL LEACKAGE	1	1	1	1				
12	1	120660-55330	PIPE, FUEL RETURN	1	1	1	1				
13	1	120640-01020	CLAMP, HOSE 27X9	2	2	2	2				
14	1	120650-85390	CLAMP, PIPE	1	1	1	1				
15	1	120640-01510	SCREW, M8X16	3	3	3	3				
16	1	120640-02230	WASHER	3	3	3	3				
17	1	120660-55350	HOSE, FILTER OUT	1	1	1	1				
18	1	120650-55380	FITTING, REDUCING	1	1	1	1				
19	1	120650-55360	HOSE, FUEL	1	1	1	1				
20	1	120650-39190	CLAMP, PIPE	1	1	1	1				
21	1	120640-01470	SCREW, M6X16	1	1	1	1				
22	1	120640-02220	WASHER	1	1	1	1				
23	1	120660-55390	HOSE, TEMP.SENSOR	1	1	1	1				
24	1	120640-00120	SENSOR ASSY, TEMP.	1	1	1	1				
25	2	120650-55040	FILTER, FUEL OIL	1	1	1	1				
26	2	120650-55210	CLAMP, PIPE	2	2	2	2				



0CR10-G63901 34. PUMP, FUEL LOW

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

(D)=6BY260Z
(E)=
(F)=

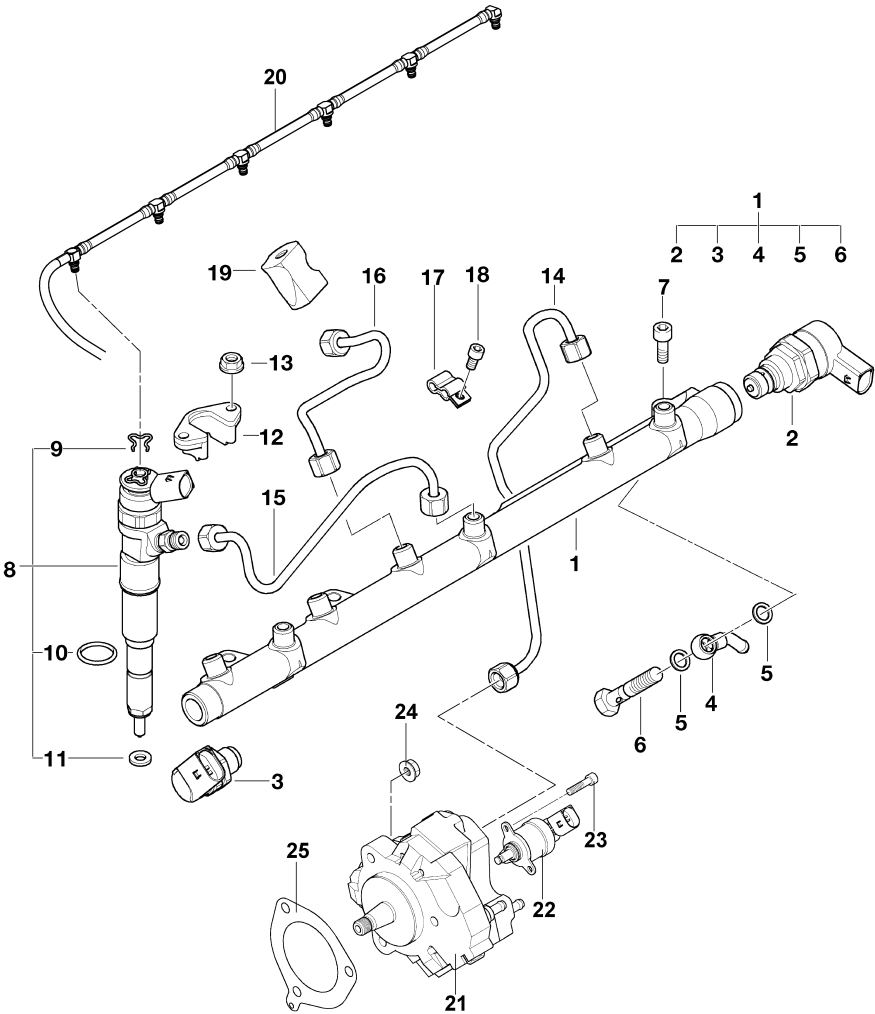
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY				I	R
				(A)	(B)	(C)	(D)		
1	1	120650-51500	PUMP ASSY, FUEL LOW	1	1	1	1		
2	1	120650-51630	CLAMP, DN61	2	2	2	2		
3	1	120640-01450	SCREW, M6X10	4	4	4	4		
4	1	120640-02220	WASHER	4	4	4	4		

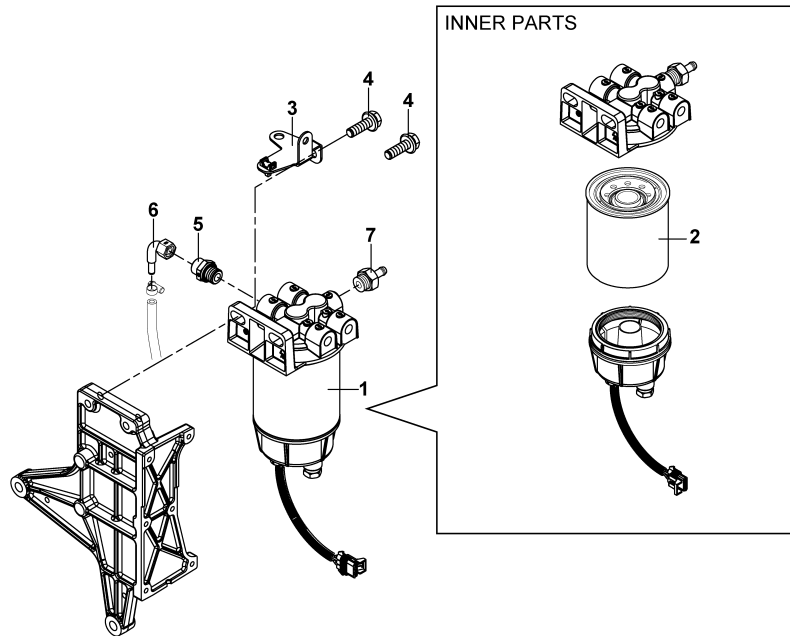
Fig.35. HIGH-PRESSURE PUMP/INJECTOR

(A)=6BY220
(B)=6BY260
(C)=6BY220Z

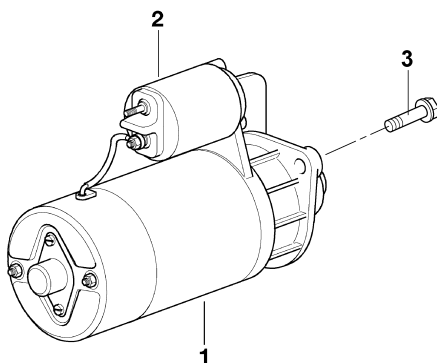
(D)=6BY260Z
(E)=
(F)=

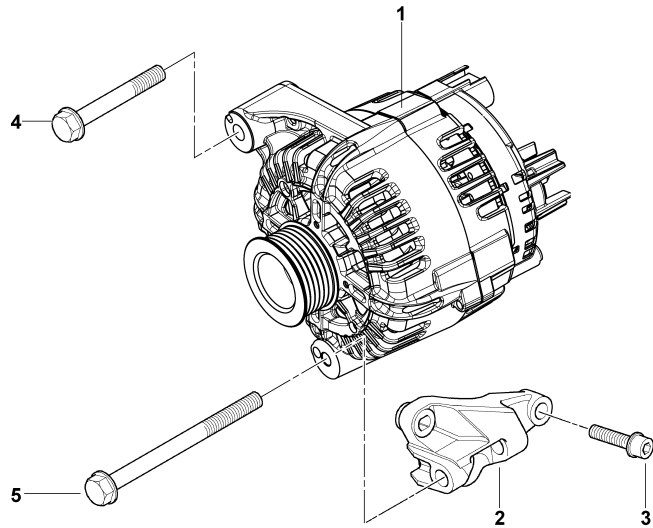
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-66910	ACCUMULATOR,PRESSURE	1	1	1	1				
2	2	165000-70480	VALVE, REGULATING	1	1	1	1				
3	2	165000-70390	SENSOR, PRESSURE	1	1	1	1				
4	2	165000-70590	CONNECTOR	1	1	1	1				
5	2	165000-70160	RING, GASKET	2	2	2	2				
6	2	165000-70400	BOLT, HOLLOW	1	1	1	1				
7	1	165000-67020	SCREW, HEAD M8X25	3	3	3	3				
8	1	165000-70560	INJECTOR, RMFD	6	6	6	6				
9	2	165000-70290	CLAMP	6	6	6	6				
10	2	165000-70430	O-RING, 22 2	6	6	6	6				
11	2	165000-70270	RING, GASKET	6	6	6	6				
12	1	165000-70420	FLANGE	6	6	6	6				
13	1	165000-70280	NUT, FLANGE M6	12	12	12	12				
14	1	165000-70490	HOSE ASSY, PRESSURE	1	1	1	1				
15	1	165000-70500	HOSE ASSY, PRESSURE	3	3	3	3				
16	1	165000-70510	HOSE ASSY, PRESSURE	3	3	3	3				
I 16-1	1	165000-93350	HOSE,PRESSURE	3	3		3				R
(D=016)											
17	1	165000-70410	CLAMP	3	3	3	3				
18	1	165000-70570	SCREW, HEAD M5X12	3	3	3	3				
19	1	165000-70300	MOUNTING, RUBBER	1	1	1	1				
20	1	165000-70600	PIPE, OVERFLOW OIL	1	1	1	1				
21	1	165000-70200	PUMP, HIGH PRESSURE	1	1	1	1				
22	1	165000-70180	MEASURING, UNIT	1	1	1	1				
23	1	165000-70170	SCREW	2	2	2	2				
24	1	165000-67490	NUT, HEX AM8	3	3	3	3				
25	1	165000-70150	GASKET, STEEL	1	1	1	1				



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.

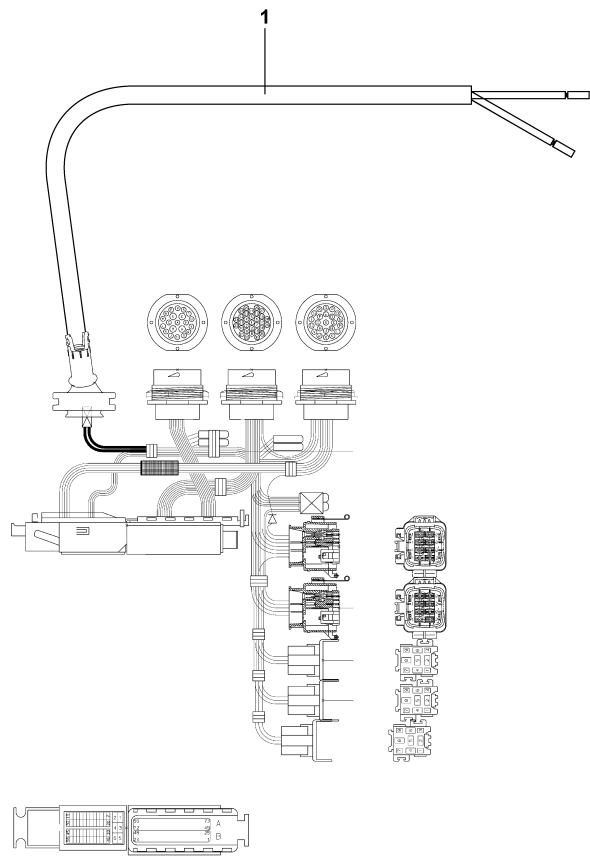
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	F
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	165000-70110	MOTOR, STARTER 2.0KW	1	1	1	1				
2	1	165000-70100	SWITCH, SOLENOID	1	1	1	1				
3	1	165000-67550	BOLT, M10X65-8.8	2	2	2	2				





REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY				I R	
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	165000-70040	ALTERNATOR, COMPACT	1	1	1	1		
1A	1	165000-70060	ALTERNATOR ASSY,150A	1	1	1	1		
2	1	165000-70070	BRACKET, SUPPORT	1	1	1	1		
3	1	165000-67080	SCREW, M8X30	3	3	3	3		
4	1	165000-67180	BOLT,HEX M10X70	1	1	1	1		
5	1	165000-67300	BOLT, HEX M10X125	1	1	1	1		

Fig.39. WIRE HARNESS(ECU)

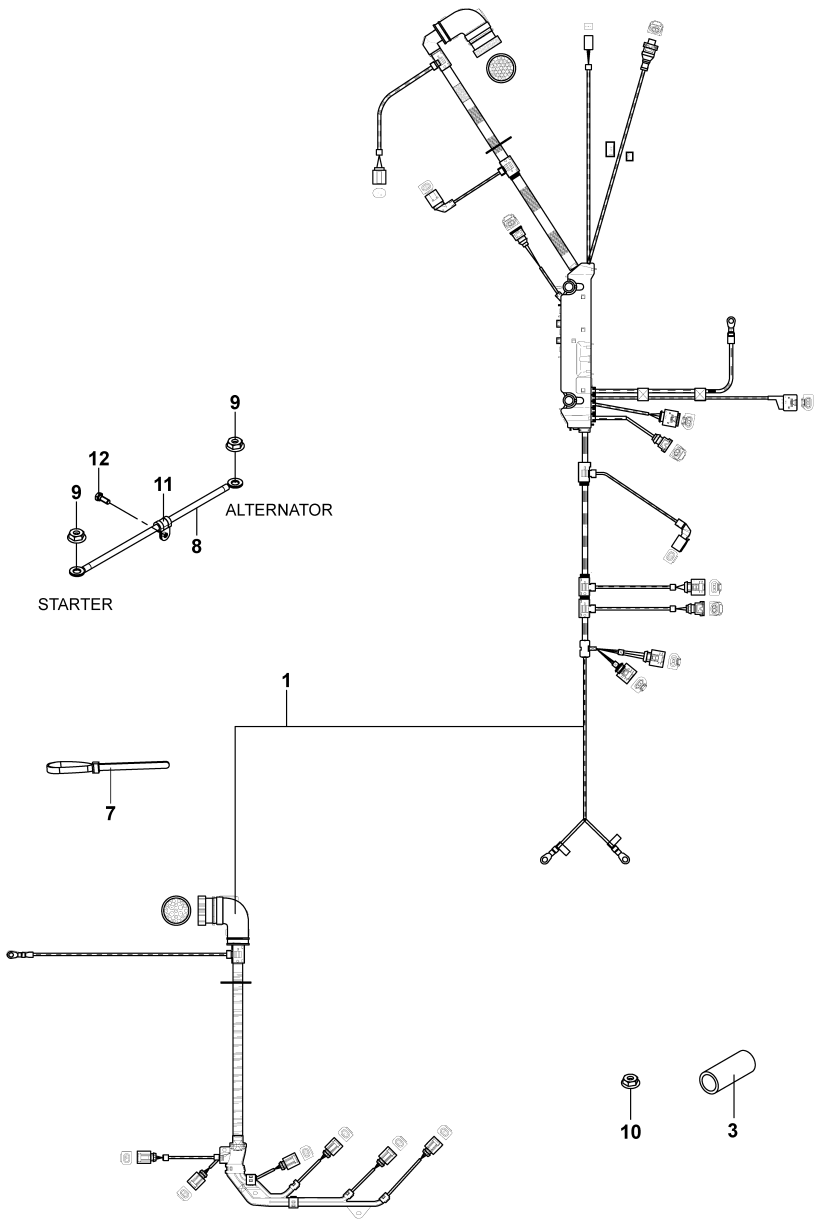


0CR10-G63901 39. WIRE HARNESS(ECU)

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120650-78050	HARNESS, WIRE	1	1	1	1				
	(A=E****)	(B=E****)	(C=E****)	(D=E****)							

Fig.40. WIRE HARNESS



OCR10-G63901 40. WIRE HARNESS

(A)=6BY220
(B)=6BY260
(C)=6BY220Z
(D)=6BY260Z
(E)=
(F)=

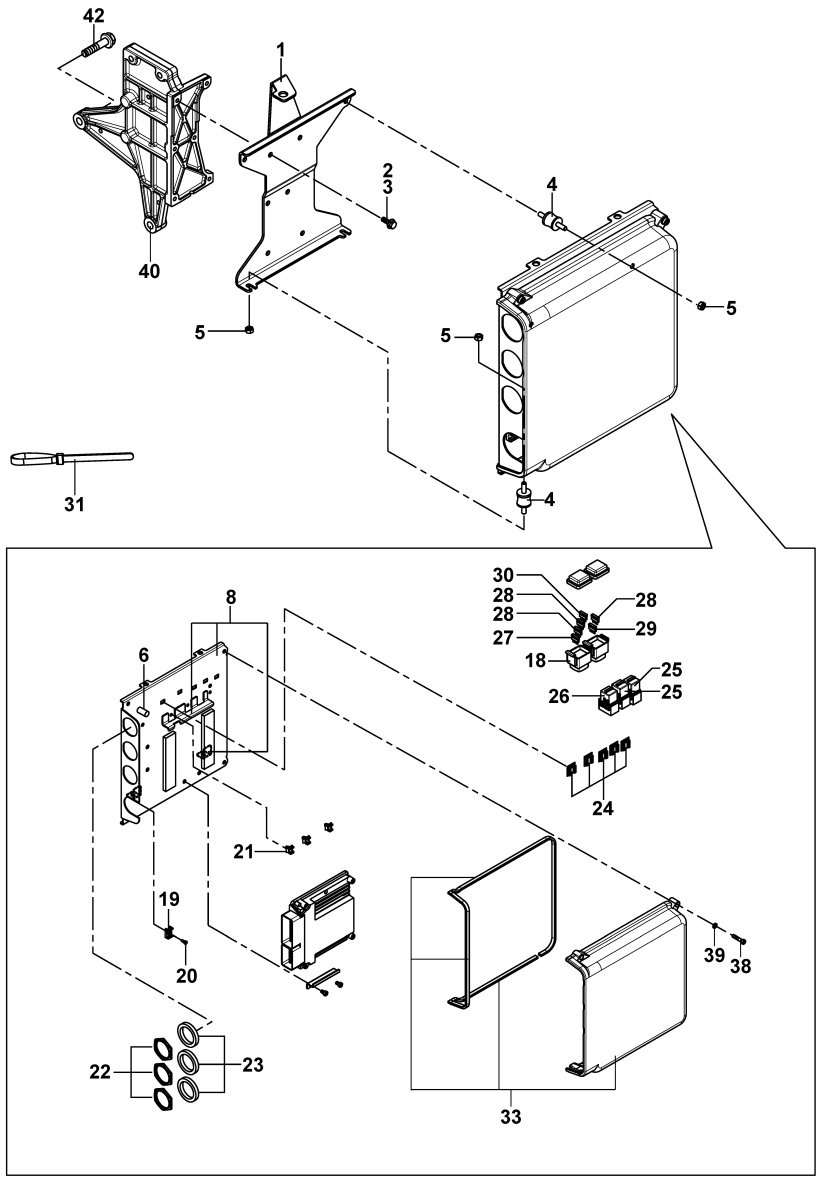
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120660-78000	HARNESS, WIRE 6CYL	1	1	1	1				
2	1	120650-78610	BOLT, 50X16S	3	3	3	3				
3	1	120660-78620	BUSH,ENGINE WIRENES	2	2	2	2				
4	1	120640-02090	BOLT, M8X40-10.9	2	2	2	2				
5	1	120640-00340	CLIP,CORRUGATED 17	1	1	1	1				
6	1	120640-00350	CLIP,CORRUGATED 10	1	1	1	1				
7	1	120640-09050	TIE STRAP	4	4	4	4				
8	1	120660-78210	CABLE, CHARGE	1	1	1	1				
9	1	120640-00330	NUT, FLANGE M8	2	2	2	2				
10	1	120640-00320	NUT, FLANGE M6	1	1	1	1				
11	1	120660-78600	CLAMP, PIPE	1	1	1	1				
12	1	120640-01560	SCREW, M10X25	1	1	1	1				



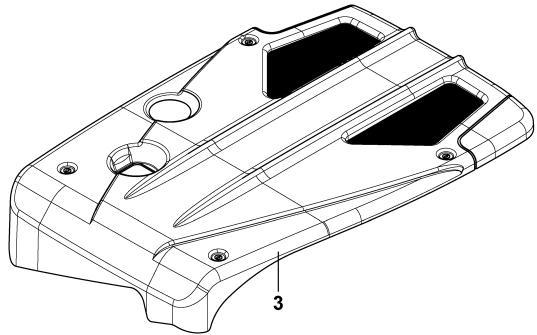
(D)=6BY260Z
(E)=
(F)=

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Fig.42. ECU



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120650-75290	SHEET, ANGLE	1	1	1	1				
2	1	120650-51620	SCREW, M6X12	6	6						
3	1	120640-01470	SCREW, M6X16			6	6				
4	1	120650-75450	MOUNT, RUBBER	4	4	4	4				
5	1	120640-00200	NUT, M6	8	8	8	8				
6	1	120650-75680	SLEEVE, PROTECTING	2	2	2	2				
8	1	120650-75250	PLATE ASSY, BASE ECU	1	1	1	1				
18	1	120650-75330	BOX, FUSE	2	2	2	2				
19	1	120650-75820	GROMMET, HOLDER	3	3	3	3				
20	1	120640-01440	SCREW, M4X10	3	3	3	3				
21	1	120650-75810	CLIP, WIRE	3	3	3	3				
22	1	120650-75360	NUT, PANEL	3	3	3	3				
23	1	120650-75380	SILICON SEAL	3	3	3	3				
24	1	120650-75320	CLIP, FUSE	5	5	5	5				
25	1	120640-00180	RELAY	2	2	2	2				
26	1	120640-00170	RELAY	1	1	1	1				
27	1	120650-75500	LINK, FUSE	1	1	1	1				
28	1	120650-75510	LINK, FUSE	3	3	3	3				
29	1	120650-75520	LINK, FUSE	1	1	1	1				
30	1	120650-75530	LINK, FUSE	1	1	1	1				
31	1	120640-09050	TIE STRAP	4	4	4	4				
33	1	120650-75700	COVER ASSY, E-BOX	1	1	1	1				
38	1	120640-01490	SCREW, M6X30	4	4	4	4				
39	1	120640-02220	WASHER	4	4	4	4				
40	1	120650-75410	SUPPORT, E-BOX	1	1	1	1				
42	1	120640-01980	BOLT, M10X45-8.8	2	2	2	2				



N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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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.
119172-48010	29	33
119778-08350	3	20
120640-00010	17	1
120640-00020	17	2
120640-00040	11	8
120640-00070	4	15
120640-00120	33	24
120640-00130	22	11
120640-00140	22	23
120640-00150	32	1
120640-00170	42	26
120640-00180	42	25
120640-00190	4	6
120640-00200	32	25
	41	4
	42	5
120640-00220	3	18
120640-00240	13	6
120640-00250	21	21
120640-00270	25	11
120640-00280	25	10
120640-00290	21	5
120640-00300	32	7
120640-00320	40	10
120640-00330	25	12
	40	9
120640-00340	40	5
120640-00350	40	6
120640-01010	28	26
	29	31
	33	10
120640-01020	21	19
	24	18
	32	17
	33	13
120640-01030	11	16
120640-01050	22	10
	31	14
120640-01210	21	12
	28	28
120640-01230	4	7
120640-01240	28	2
	32	10
120640-01260	29	12
	32	14
120640-01270	29	10
120640-01410	21	11
	28	27
120640-01420	32	9
120640-01440	42	20

PARTS No.	Fig.	Ref.No.
120640-01450	34	3
120640-01460	3	7
	11	14
120640-01470	26	15
	33	21
	42	3
120640-01490	42	38
120640-01510	21	7
	28	22
	33	15
120640-01520	28	30
	31	12
	32	20
120640-01530	28	5
120640-01540	22	7
		15
120640-01550	25	4
120640-01560	13	14
	40	12
120640-01570	32	3
120640-01580	21	17
	26	17
120640-01590	22	5
120640-01630	13	8
120640-01830	32	23
120640-01870	5	13
	32	5
120640-01880	5	8
120640-01900	13	12
120640-01910	26	5
120640-01920	5	7
120640-01930	32	2
120640-01940	3	13
	26	8
120640-01950	3	23
120640-01960	26	12
120640-01970	5	3
	36	4
120640-01980	42	42
120640-01990	22	2
120640-02000	5	6
120640-02010	3	14
120640-02020	3	24
120640-02040	3	10
120640-02050	3	22
120640-02060	3	21
120640-02080	28	4
	41	3
120640-02090	40	4
120640-02210	13	15

PARTS No.	Fig.	Ref.No.
120640-02220	22	6
	32	4
	33	22
	34	4
	42	39
120640-02230	13	9
	21	8
	22	8
	25	6
	26	11
	28	23
	32	21
	33	16
120640-02240	5	10
120640-02250	3	12
120640-09030	11	9
120640-09050	40	7
	42	31
120640-09110	21	20
120640-09130	24	19
120650-01760	3	19
120650-07030	6	6
120650-07040	6	7
120650-07050	6	8
120650-07060	6	9
120650-07070	6	10
120650-07080	6	11
120650-07100	6	13
120650-07110	6	14
120650-07120	6	15
120650-07130	6	16
120650-07150	6	17
120650-07160	6	18
120650-07170	6	19
120650-07190	6	20
120650-08401	5	9
120650-13070	11	10
120650-13320	26	10
120650-13330	11	6
120650-13420	29	9
120650-13450	29	13
120650-13490	29	11
120650-13510	29	15
120650-13520	29	32
120650-13750	29	27
120650-13760	29	28
120650-13800	11	19
120650-13850	29	14
120650-17110	22	4
120650-17120	28	3

PARTS No.	Fig.	Ref.No.
120650-17130	26	16
120650-17150	43	2
120650-17170	25	9
120650-17200	25	5
120650-17210	25	7
120650-17220	25	8
120650-18430	23	4
120650-18440	23	5
120650-18450	23	6
120650-18470	23	7
120650-18480	23	8
	27	8
120650-18490	23	9
	27	9
120650-18500	23	10
	27	10
120650-18510	23	11
120650-18520	23	12
120650-18810	22	3
120650-18850	22	21
120650-18910	22	9
120650-21500	13	13
120650-33300	31	11
120650-34890	4	13
120650-39190	33	20
120650-39250	21	18
120650-39270	28	1
120650-39290	21	10
120650-39350	21	9
120650-42300	25	1
120650-42310	25	2
120650-42360	25	3
120650-44030	27	4
120650-44040	27	5
120650-44050	27	6
120650-44070	27	7
120650-44080	27	11
120650-44090	27	12
120650-44100	29	30
120650-44170	26	9
120650-44180	26	3
120650-44190	28	29
120650-44220	26	13
120650-49200	28	17
120650-49260	28	14
120650-49350	28	25
120650-49380	24	16
120650-49390	24	12
120650-49520	31	3
120650-49550	31	6

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
120650-49580	31	7
120650-49590	31	8
120650-49610	31	5
120650-49650	28	21
120650-49710	28	16
	31	2
120650-49720	22	18
	29	16
	31	9
120650-49850	24	20
120650-51500	34	1
120650-51620	4	5
		14
	42	2
120650-51630	34	2
120650-55010	36	1
120650-55020	36	2
120650-55040	33	25
120650-55210	33	26
120650-55310	33	7
120650-55320	33	8
120650-55340	33	9
120650-55360	33	19
120650-55370	33	11
120650-55380	33	18
120650-55400	36	5
120650-55430	36	6
120650-55440	36	7
120650-57010	31	13
120650-57410	32	6
120650-57440	32	16
120650-75250	42	8
120650-75290	42	1
120650-75320	42	24
120650-75330	42	18
120650-75360	42	22
120650-75380	42	23
120650-75410	42	40
120650-75450	42	4
120650-75500	42	27
120650-75510	42	28
120650-75520	42	29
120650-75530	42	30
120650-75680	42	6
120650-75700	42	33
120650-75810	42	21
120650-75820	42	19
120650-75870	41	1
120650-75880	36	3
120650-78050	39	1

PARTS No.	Fig.	Ref.No.
120650-78260	41	6
120650-78610	40	2
120650-85370	32	15
120650-85390	32	19
	33	14
120650-85410	21	6
	32	18
120650-85430	32	22
120650-85450	32	11
120652-13400	29	17
120652-21600	13	7
120660-01700	3	15
120660-01710	3	16
120660-01900	3	4
120660-08100	5	1
120660-08110	5	4
120660-11410	11	12
120660-11430	11	15
120660-11440	26	14
120660-11460	11	13
120660-12510	11	2
120660-13030	11	4
120660-13400	29	3
120660-17000	43	1
120660-18010	11	1
120660-18050	22	12
120660-18110	11	11
120660-18140	22	22
120660-18200	11	7
120660-18210	22	14
120660-18300	11	17
120660-18310	11	18
120660-18400	22	1
	23	1
120660-18410	23	2
120660-18420	23	3
120660-18460	5	11
120660-18820	22	19
120660-18900	22	17
120660-21400	13	2
120660-21470	13	10
120660-32600	18	8
120660-34840	4	10
120660-39200	21	13
120660-39310	21	16
120660-39350	21	1
120660-44000	26	2
	27	1
120660-44010	27	2
120660-44020	27	3

PARTS No.	Fig.	Ref.No.
120660-44030	27	13
120660-44040	27	14
120660-44050	27	15
120660-44210	26	6
120660-49100	28	6
120660-49250	28	10
120660-49330	28	24
120660-49540	31	4
120660-49560	31	1
120660-49860	24	21
120660-55330	33	12
120660-55350	33	17
120660-55390	33	23
120660-78000	40	1
120660-78210	40	8
120660-78240	41	2
120660-78250	41	5
120660-78600	40	11
120660-78620	40	3
120660-85320	32	13
120660-85330	32	8
120660-85360	32	12
120662-01810	3	8
120662-17000	43	3
124413-39100	20	1
127675-46012	30	1
128397-44500	26	19
128397-44510	26	20
129270-44501	26	23
129670-44570	26	21
165000-63610	24	1 -1
165000-66910	35	1
165000-66930	13	17
	24	11
165000-66950	19	8
165000-67020	35	7
165000-67080	38	3
165000-67090	8	3
165000-67110	15	8
	16	11
165000-67120	13	18
165000-67180	38	4
165000-67230	2	11
165000-67240	24	8
165000-67280	18	2
165000-67290	1	8
165000-67300	38	5
165000-67330	2	13
165000-67360	9	5
	13	23

PARTS No.	Fig.	Ref.No.
165000-67400	1	7
165000-67410	1	14
165000-67420	7	5
165000-67430	15	3
165000-67470	1	9
165000-67490	35	24
165000-67550	37	3
165000-67580	33	3
165000-67590	33	2
165000-67720	1	11
165000-67730	1	3
	15	5
165000-67740	1	12
165000-67750	1	6
165000-67760	1	4
	16	7
165000-67770	1	1
165000-67780	1	5
165000-67790	1	2
165000-67810	18	1
165000-67830	9	3
165000-67840	9	4
165000-67870	7	6
165000-67880	1	10
165000-67890	10	8
165000-67900	7	8
165000-67910	7	7
165000-67920	7	2
165000-67930	7	4
165000-67950	24	9
165000-67960	24	10
165000-67980	9	13
165000-67990	8	4
165000-68000	8	5
165000-68010	9	6
165000-68050	8	1 A
165000-68060	8	1 B
165000-68070	8	1 C
165000-68120	9	16
165000-68130	7	3
165000-68150	9	1
165000-68160	9	10
165000-68170	9	11
165000-68180	9	9
165000-68210	7	1
165000-68230	9	8
165000-68240	9	2
165000-68280	8	2
165000-68310	4	1
165000-68320	18	10

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
165000-68330	4	16
165000-68340	4	17
165000-68350	4	18
165000-68360	4	19
165000-68390	2	2
165000-68400	2	3
165000-68410	2	5
165000-68420	2	4
165000-68430	2	1
165000-68440	13	16
165000-68450	2	6
165000-68460	12	5 AY
165000-68470	12	5 AG
165000-68480	12	5 AW
165000-68490	12	5 BY
165000-68500	12	5 BG
165000-68510	12	5 BW
165000-68520	12	5 CY
165000-68530	12	5 CG
165000-68540	12	5 CW
165000-68550	12	4 AY
165000-68560	12	4 AG
165000-68570	12	4 AW
165000-68580	12	4 BY
165000-68590	12	4 BG
165000-68600	12	4 BW
165000-68610	12	4 CY
165000-68620	12	4 CG
165000-68630	12	4 CW
165000-68640	12	2 AY
165000-68650	12	2 AG
165000-68660	12	2 AW
165000-68670	12	2 BY
165000-68680	12	2 BG
165000-68690	12	2 BW
165000-68700	12	2 CY
165000-68710	12	2 CG
165000-68720	12	2 CW
165000-68730	12	3 AY
165000-68740	12	3 AG
165000-68750	12	3 AW
165000-68760	12	3 BY
165000-68770	12	3 BG
165000-68780	12	3 BW
165000-68790	12	3 CY
165000-68800	12	3 CG
165000-68810	12	3 CW
165000-68820	15	2
165000-68850	12	1
165000-68860	12	1 A

PARTS No.	Fig.	Ref.No.
165000-68870	15	10
165000-68900	15	9
165000-68930	14	2
165000-68940	14	3 B
165000-68950	14	3 A
165000-68960	14	3 D
165000-68970	14	3 C
165000-68980	14	3 F
165000-68990	14	3 E
165000-69000	14	4 A
165000-69010	14	4 B
165000-69020	14	4 C
165000-69030	14	4 D
165000-69040	14	4 E
165000-69050	14	4 F
165000-69060	14	1
165000-69070	14	6
165000-69080	14	7
165000-69090	14	7 A
165000-69100	14	5
165000-69120	2	10
165000-69130	2	8
165000-69140	2	9
165000-69180	16	9
165000-69190	16	8
165000-69200	16	6
165000-69210	16	1
165000-69240	16	4
165000-69250	16	12
165000-69260	16	13
165000-69270	16	5
165000-69280	7	10
165000-69290	7	9
165000-69300	7	15
165000-69310	7	14
165000-69320	7	11
165000-69330	7	13
165000-69350	7	12
165000-69360	24	15
165000-69370	18	4
165000-69390	18	5
165000-69400	18	7
165000-69410	18	3
165000-69430	18	9
165000-69480	1	13
165000-69550	19	1
165000-69560	19	7
165000-69570	19	4
165000-69580	19	5
165000-69590	19	2

PARTS No.	Fig.	Ref.No.
165000-69600	19	9
165000-69610	19	10
165000-69620	19	11
165000-69630	19	3
165000-69650	24	5
165000-69660	24	6
165000-69670	24	7
165000-69680	24	4
165000-69690	2	7
	24	3
165000-69710	24	1
165000-69720	24	2
165000-69760	24	13
165000-69770	24	17
165000-69780	24	14
165000-69800	10	4
165000-69810	10	3
165000-69820	10	6
165000-69830	10	5
165000-69840	10	7
165000-69850	10	9
165000-69860	10	2
165000-69870	10	1
165000-69910	9	12
165000-70000	8	7
165000-70040	38	1
165000-70060	38	1 A
165000-70070	38	2
165000-70100	37	2
165000-70110	37	1
165000-70120	19	6
165000-70150	35	25
165000-70160	35	5
165000-70170	35	23
165000-70180	35	22
165000-70200	35	21
165000-70210	16	3
165000-70220	15	6
165000-70230	15	4
165000-70240	16	2
165000-70250	15	7
	16	10
165000-70260	15	1
165000-70270	35	11
165000-70280	35	13
165000-70290	35	9
165000-70300	35	19
165000-70390	35	3
165000-70400	35	6
165000-70410	35	17

PARTS No.	Fig.	Ref.No.
165000-70420	35	12
165000-70430	35	10
165000-70480	35	2
165000-70490	35	14
165000-70500	35	15
165000-70510	35	16
165000-70530	33	6
165000-70540	33	4
165000-70560	35	8
165000-70570	35	18
165000-70590	35	4
165000-70600	35	20
165000-70610	33	5
165000-70660	8	6
165000-70680	13	21
165000-70690	13	22
165000-70700	9	14
165000-70730	9	15
165000-71020	9	13 -1
165000-93230	4	20
165000-93240	4	21
165000-93260	4	2
165000-93270	4	8
		22
165000-93280	28	31
165000-93300	18	8 -1
165000-93310	13	19
165000-93320	24	13 -1
165000-93350	35	16 -1
165001-22380	24	1 A
43720-001220	20	2
D20650-49410	31	15
D20650-49420	31	16



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