

YANMAR DIESEL ENGINE

4TNV98CT

YANMAR ENGINE TYPE

4TNV98CT-L2VYB

PARTS CATALOG

GENUINE PARTS

FOR

KOBELCO

SK75SR-7, SK75SR-7F

SK85CS-7, SK85MSR-7

YANMAR CO., LTD

M04090

Printed in Japan 2023.03

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	FIG-00	PREFACE			
	1	CYLINDER BLOCK			
	2	GEAR HOUSING			
	3	FLYWHEEL HOUSING & OIL SUMP			
	4	CYLINDER HEAD & BONNET			
	5	SUCTION MANIFOLD			
	6	EXHAUST MANIFOLD			
	7	DIESEL PARTICULATE FILTER(DPF)			
	8	CAMSHAFT & DRIVING GEAR			
	9	TURBINE			
	10	CRANKSHAFT & PISTON			
	11	LUB. OIL SYSTEM			
	12	LUB. OIL PIPE			
	13	COOLING WATER SYSTEM			
	14	FUEL SUPPLY PUMP			
	15	FUEL INJECTION VALVE			
	16	FUEL PIPE			
	17	STARTER MOTOR			
	18	GENERATOR			
	24	(18A)GENERATOR(INNER PARTS)			
	19	ELECTRONIC CONTROL UNIT(ECU)			
	20	ELECTRIC PARTS			
	21	ACCESSORY			
	22	GASKET SET			

How to read this Catalog.

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

① 符号 ITEM	② 部品番号 PART NO.	③ 部品名 PART NAME	④ 部品名 PART NAME	⑤ 数量 QTY	⑥ 備考 REMARKS	適用号機 APPLICABLE No.
		CYLINDER BLOCK	シリンダブロック			
1	・ VV72900501560	BLOCK ASSY, CYLINDER	シリンダブロック CMP	1		
4	・ VV12406001050	PLUG PT1/8	プラグ (PT1/8)	1		
5	・ VV12900101250	PLUG 50	プラグ 50	1		
29	・ VV12900102931	MAIN BEARING SET	メインメタルCMP (STDホウセン)	4	(1)	
32	・ VV12915002871	MAIN METAL U.S=0.25	メインメタル U.S=0.25	4	(2)	

- ① Item : Index number given to every part in the part illustration.
- ② Part Number : Proper number given to parts.
- ・ shown in the "PART No." column means the following.
 - ・ Hereunder is given the relation among the number of dots (・), the level and the nominal parent-child relationship.
 - ・ is the Parent parts (Assembly parts).
 - ・ Child parts included in "・".
(Subassembly parts, component parts of Assembly parts.)
 - ・ Child parts included in "・・", Grand-child parts in items of "・・".
(Component parts of Subassembly parts.)
 -) Not soled parts are illustrated partly but not listed.
- ③ Part Name : Name of the parts.
- ④ Quantity required : "Number of parts necessary for One (1) unit" is shown. However, for component parts for assembly, it shows the "Number of parts for One (1) set" of assembly.
- ⑤ Remarks : Marks shown in the "Remarks" column means the following.
- A ← B }
A ← (B)

A ← B }
A ← (B)

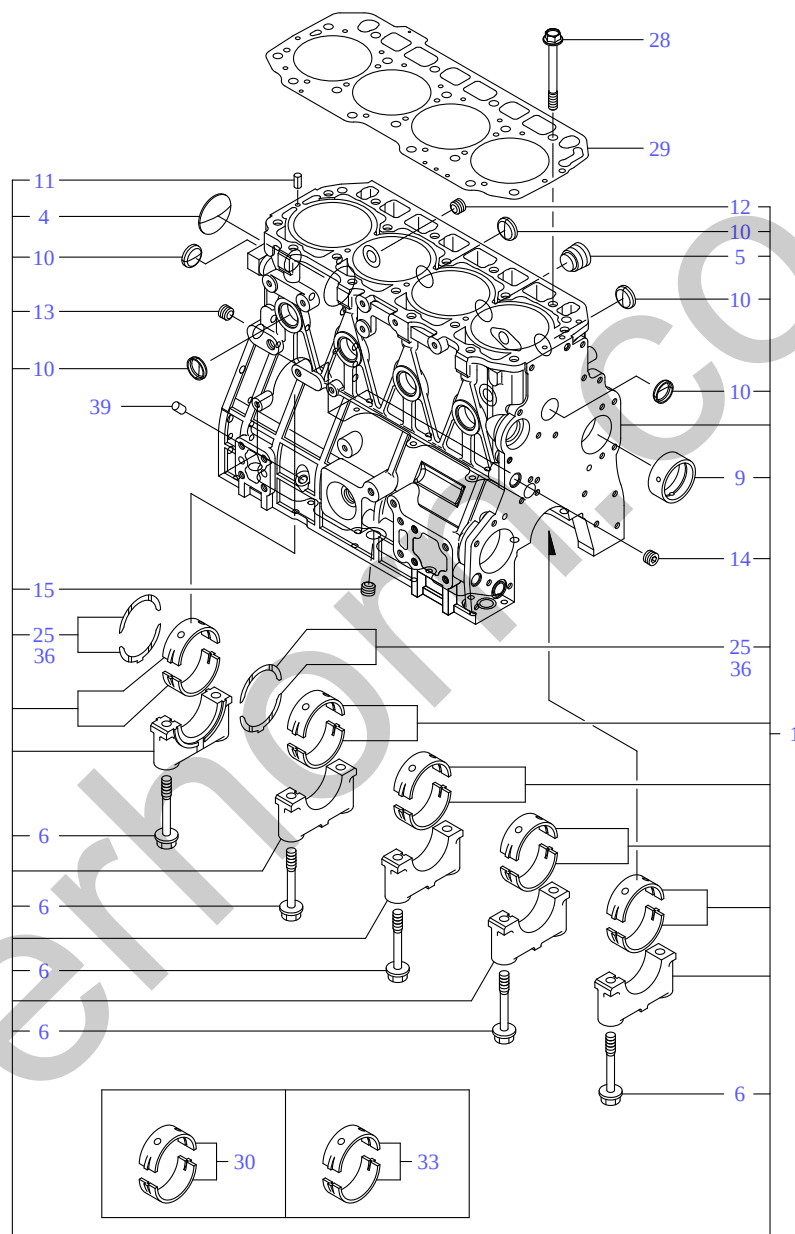
Two (2) parts connected by the arrow are interchangeable.
In addition, where sign is put in (), the parts are interchangeable with the relevant parts in part list, both parts are available.

Two (2) parts connected by the arrow are interchangeable.
Part B can take the place of Part A, but part A is not available.
- (1), (2), (3), ... The corresponding parts explanation is showned lower side of the illustpages.
- ⑥ Applicable Machine : The serial number of machine using the parts is indicated. Parts for which the serial number is not indicated are common for all the machines which are listed in this catalog. And, where the serial number can not be described in the "Applicable" column, put marks such as (A), (B), ..., and describe it at the last space on the Parts List.
- [Note] When the interchangeable marks are put in the "Remarks" column for part number to be used to place an order, the interchangeable parts could be supplied automatically.

[Memo]

Silverhorn.co.uk

シリンダーブロック・CYLINDER BLOCK



備考

- (1)補修用部品
- (2)アンダーサイズ(U.S.=0.25)
- (3)オーバーサイズ(O.S.=0.25)

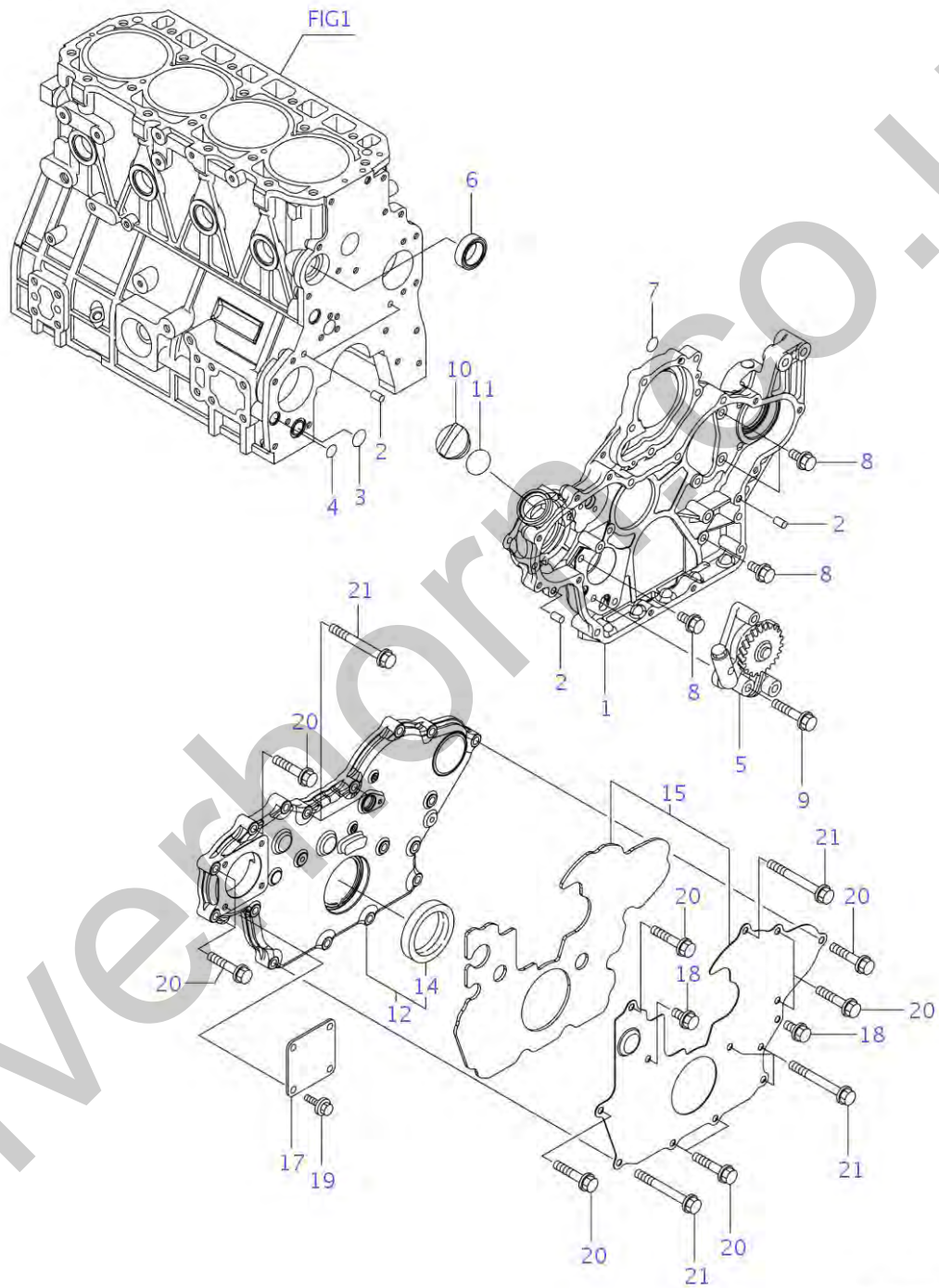
Remarks

- (1)Spare parts.
- (2)Under-sized(U.S.=0.25) parts.
- (3)Over-sized(O.S.=0.25) parts.

OCD50-M04090-001

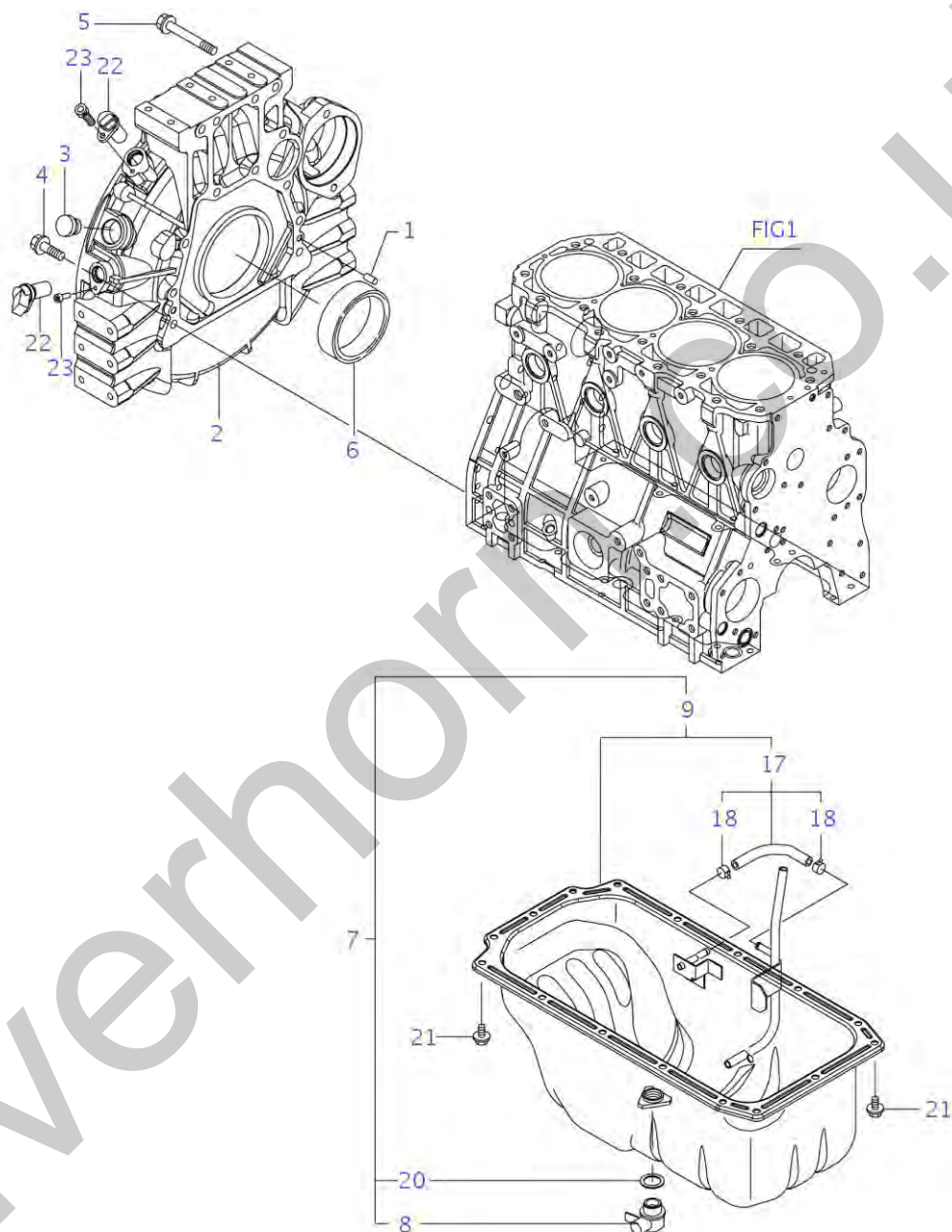
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CYLINDER BLOCK			
	.				
1	VV129E3201560	BLOCK ASSY, CYLINDER	1		
4	VV12990001250	PLUG, 55	1		
5	VV17105101921	PLUG, NPTF1	1		
6	VV12990002020	BOLT, METAL CAP	10		
9	VV12990002410	BUSH, CAMSHAFT	1		
10	VV27241300000	PLUG 30	8		
11	VV22351060012	PIN, SPRING 6.0X12	2		
12	VV23876030000	PLUG, R03	1		
13	VV23876030000	PLUG, R03	1		
14	VV23876030000	PLUG, R03	1		
15	VV23876030000	PLUG, R03	1		
25	VV12992702930	BEARING ASSY, THRUST	2		
28	VV12990001200	BOLT, CYLINDER HEAD	18		
29	VV129E0001330	GASKET, HEAD	1		
30	VV72992702800	BEARING ASSY, MAIN	5	(1)	
33	VV12992702340	BEARING ASSY, MAIN US	5	(2)	
36	VV12992702940	BEARING, THRUST0.250S	2	(3)	
39	VV11930901810	PLUG	1		

ギヤケース・GEAR HOUSING



0CD50-M04090-002

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GEAR HOUSING			
	.				
1	VV129E0101500	CASE, GEAR	1		
2	VV12910001580	PIN, PARALLEL 8X16	4		
3	VV12990032030	O-RING, P20	1		
4	VV12990032040	O-RING, P14	1		
5	VV12990832060	PUMP ASSY, OIL	1		
6	VV12992742140	GASKET, PUMP OUTLET	1		
7	VV24311000070	O-RING, 1AP7.0	1		
8	VV26106080162	BOLT, M8X 16 PLATED	4		
9	VV26106080452	BOLT, M8X 45 PLATED	3		
10	VV12416001751	CAP, FILLER	1		
11	VV24311000320	O-RING, 1AP32.0	1		
12	VV129E0001580	COVER ASSY, CASE	1		
14	VV12991601800	SEAL, OIL	1		
15	VV129E0001850	COVER ASSY, CASE	1		
17	VV12424001871	COVER, HYDRAULIC PUMP	1		
18	VV26106080162	BOLT, M8X 16 PLATED	2		
19	VV26106080162	BOLT, M8X 16 PLATED	4		
20	VV26106080402	BOLT, M8X 40 PLATED	10		
21	VV26106080702	BOLT, M8X 70 PLATED	7		
	.				
FIG1	.				



備考

(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

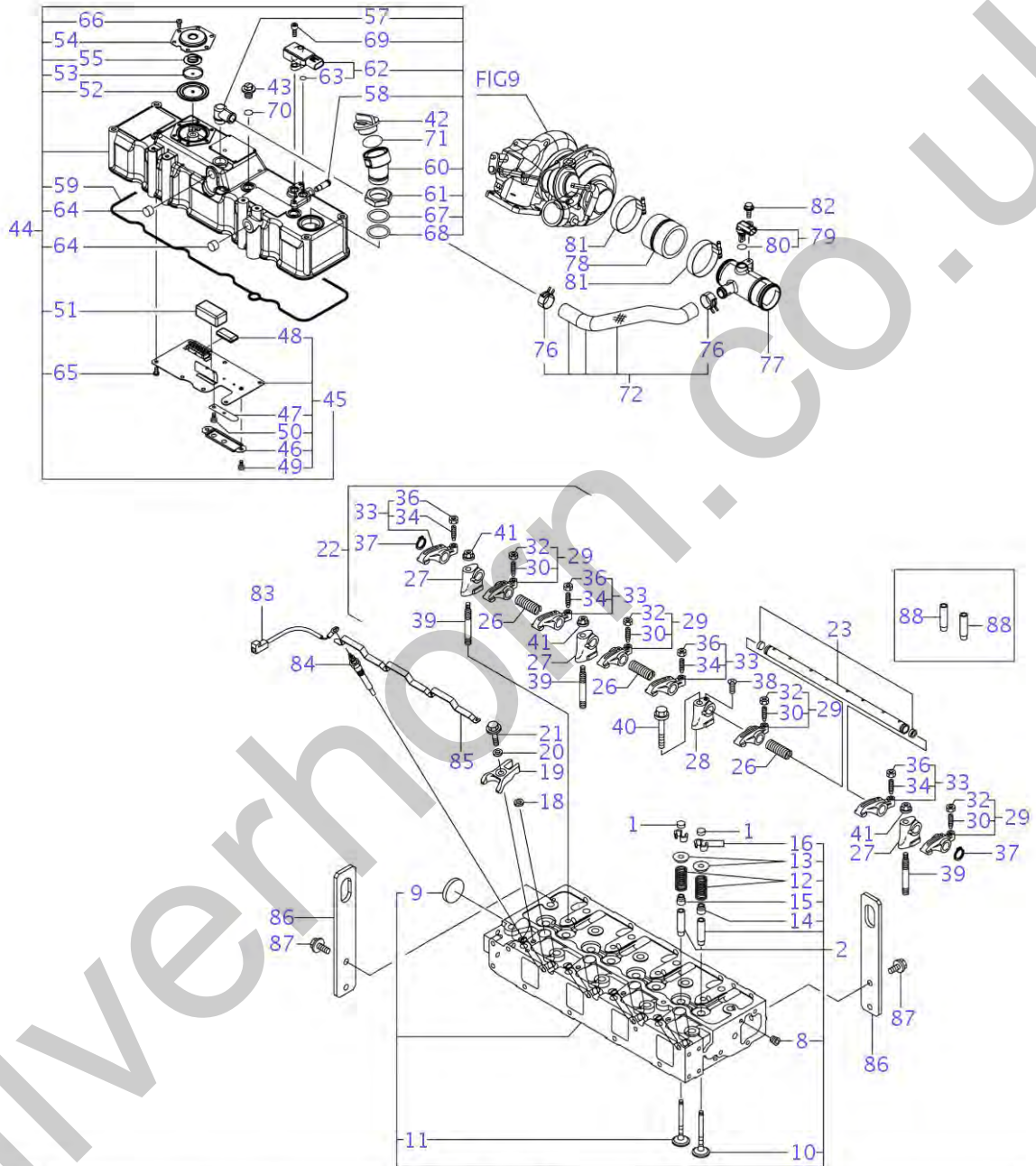
Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

OCD50-M04090-003

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FLYWHEEL HOUSING & OIL SUMP			
	.				
1	VV12910001580	PIN, PARALLEL 8X16	2		
2	VV129E3001620	HOUSING, FLYWHEEL	1		
3	VV11962001750	CAP, WHEEL COVER	1		
4	VV26206100352	BOLT, M10X 35 PLATED	9		
5	VV26206100952	BOLT, M10X 95 PLATED	4		
6	VV12991601790	SEAL, D115/95XT11	1		
7	VV129E3001720	OIL PAN ASSY	1		
8	VV129E3001630	COCK, OIL DRAIN	1		
9	VV129E3001700	OIL PAN ASSY	1		
17	VV129E2059500	HOSE ASSY	1		
18	VV12476659050	CLAMP, HOSE 11.5	2		
20	VV22190220002	WASHER, SEAL 22	1		
21	VV26106080122	BOLT, M8X 12 PLATED	16		
22	VV129A0021710	SENSOR, FLYWHEEL	2	(1)	
23	VV26450060162	BOLT, M6X 16	2		
	.				
FIG1	.				

シリンダヘッド & ボンネット・CYLINDER HEAD & BONNET



備考

- (1) 交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください
- (2) 補修用部品

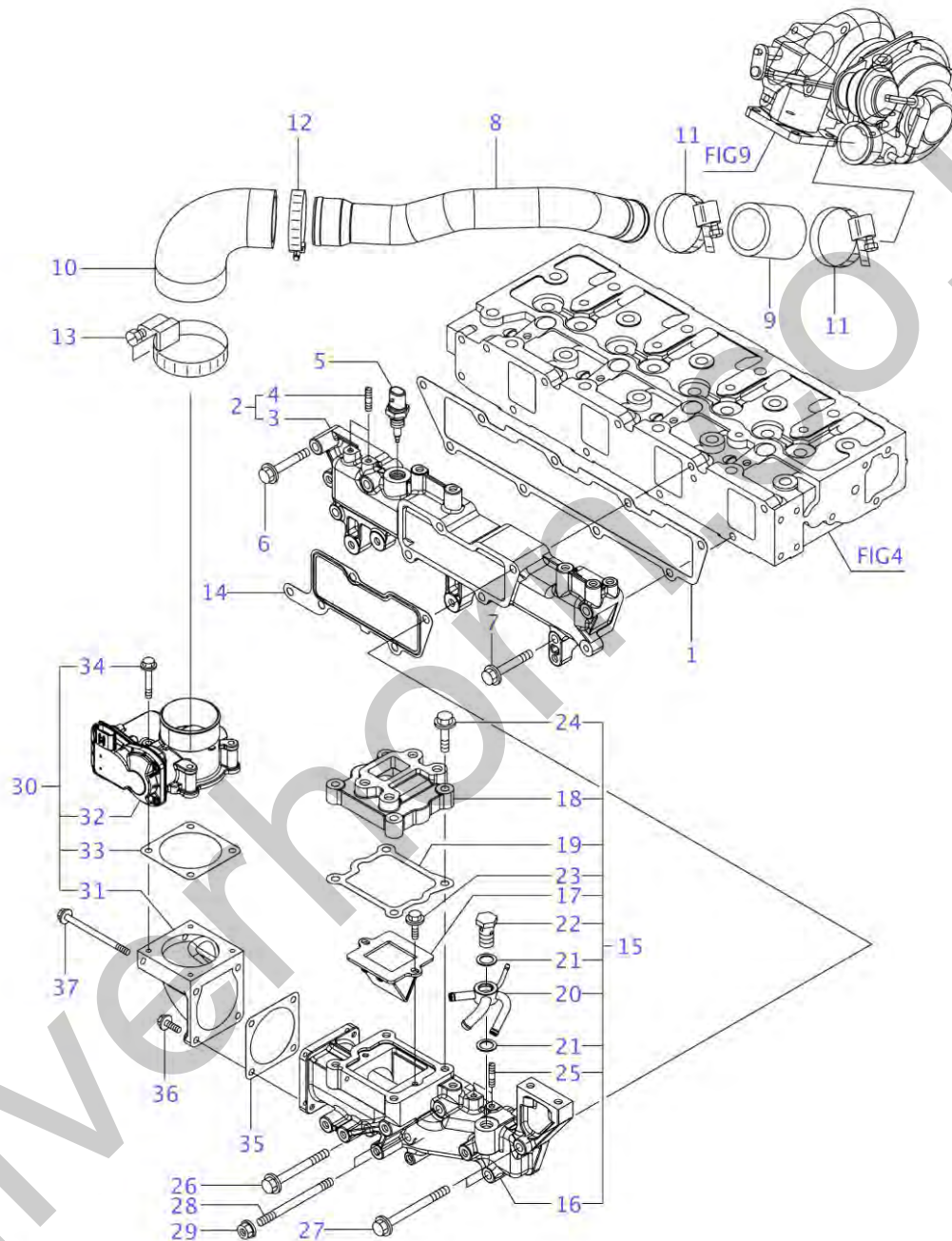
Remarks

- (1) When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.
- (2) Spare parts.

OCD50-M04090-004

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CYLINDER HEAD & BONNET			
	.				
1	VV12915011370	CAP, VALVE	8		
2	VV129E0111710	HEAD ASSY, CYLINDER	1		
8	VV23876005000	PLUG, R005	1		
9	VV27241400000	PLUG, 40	1		
10	VV129E0011100	VALVE, INTAKE	4		
11	VV12990011110	VALVE, EXHAUST	4		
12	VV12990011120	SPRING, VALVE	8		
13	VV12979511180	RETAINER, SPRING	8		
14	VV12446011340	SEAL, VALVE STEM	4		
15	VV129A0011340	SEAL, VALVE STEM	4		
16	VV27310080001	COTTER, 8	8		
18	VV12997811871	GASKET, INJECTOR	4		
19	VV129E0011900	RETAINER, INJECTOR	4		
20	VV12027054410	WASHER, INJECTOR	4		
21	VV26106080352	BOLT, M8X 35 PLATED	4		
22	VV12990011200	SUPPORT ASSY, ROCKER	1		
23	VV12990011240	SHAFT ASSY, ROCKER	1		
26	VV12990011280	SPRING, SHAFT	3		
27	VV12990011510	SUPPORT, ROCKER A	3		
28	VV12990011520	SUPPORT, ROCKER B	1		
29	VV12990011650	ARM ASSY, ROCKER INT	4		
30	VV12915011230	SCREW, VALVE ADJUST	4		
32	VV12915011750	NUT, M8XP1.0	4		
33	VV12990011660	ARM ASSY, ROCKER EXH	4		
34	VV12915011230	SCREW, VALVE ADJUST	4		
36	VV12915011750	NUT, M8XP1.0	4		
37	VV22242000180	RING, 18	2		
38	VV26577040162	SCREW, M4X16	1		
39	VV12990011530	BOLT, SUPPORT	3		
40	VV26106100652	BOLT, M10X 65 PLATED	1		
41	VV26306100002	NUT, M10	3		
42	VV12416001751	CAP, FILLER	1		
43	VV12416011360	KNOB, BONNET	3		
44	VV129E3011350	BONNET ASSY	1		
45	VV129E0003010	PLATE, BAFFLE	1		
46	VV129E0003020	COVER, PLATE SPRING	1		
47	VV12997803030	SPRING, PLATE	1		
48	VV12990703061	BAFFLE, BREATHER	1		
49	VV26557050082	SCREW, M5X 8	2		
50	VV26587050102	SCREW, M5X10	1		
51	VV12990703070	BAFFLE, BREATHER	1		
52	VV12390703100	DIAPHRAGM, BREATHER	1		
53	VV12390703110	PLATE, CENTER	1		
54	VV12390703120	PLATE, BREATHER	1		
55	VV12390703140	SPRING, DIAPHRAGM	1		

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
57	VV11910011330	ELBOW, BREATHER	1		
58	VV129A0011330	JOINT	1		
59	VV129E0011330	GASKET, BONNET	1		
60	VV11922511740	ADAPTER, OIL FILLER	1		
61	VV11922511750	NUT	1		
62	VV12997812700	SENSOR, PRESSURE	1	(1)	
63	VV129A0012780	O-RING, EGR SENSOR	2		
64	VV11964061400	PLUG	2		
65	VV22857500100	SCREW, 5X10	7		
66	VV22857500100	SCREW, 5X10	6		
67	VV24311000300	O-RING, 1AP30.0	1		
68	VV24311000320	O-RING, 1AP32.0	1		
69	VV26450060162	BOLT, M6X 16	2		
70	VV24311000120	O-RING, 1AP12.0	3		
71	VV24311000320	O-RING, 1AP32.0	1		
72	VV129E0103020	HOSE ASSY, BREATHER	1		
76	VV12941003990	CLAMP, HOSE 21.5	2		
77	VV129C0103060	JOINT, BREATHER	1		
78	VV129E3012060	HOSE, AIR INTAKE	1		
79	VV129A0012711	SENSOR, TEMPERATURE	1		
80	VV129A0012790	O-RING, TEMP SENSOR	1		
81	VV23001060000	CLAMP, HOSE 60	2		
82	VV26106060162	BOLT, M6X 16 PLATED	1		
83	VV11980377830	HARNESS, WIRE	1		
84	VV129E2077800	PLUG, GLOW 24V	4		
85	VV129E0077820	CONNECTOR, GLOW PLUG	1		
86	VV12994407910	LIFTER	2		
87	VV26106080162	BOLT, M8X 16 PLATED	4		
88	VV12915011810	GUIDE, VALVE	8	(2)	
FIG9	.	.			



備考

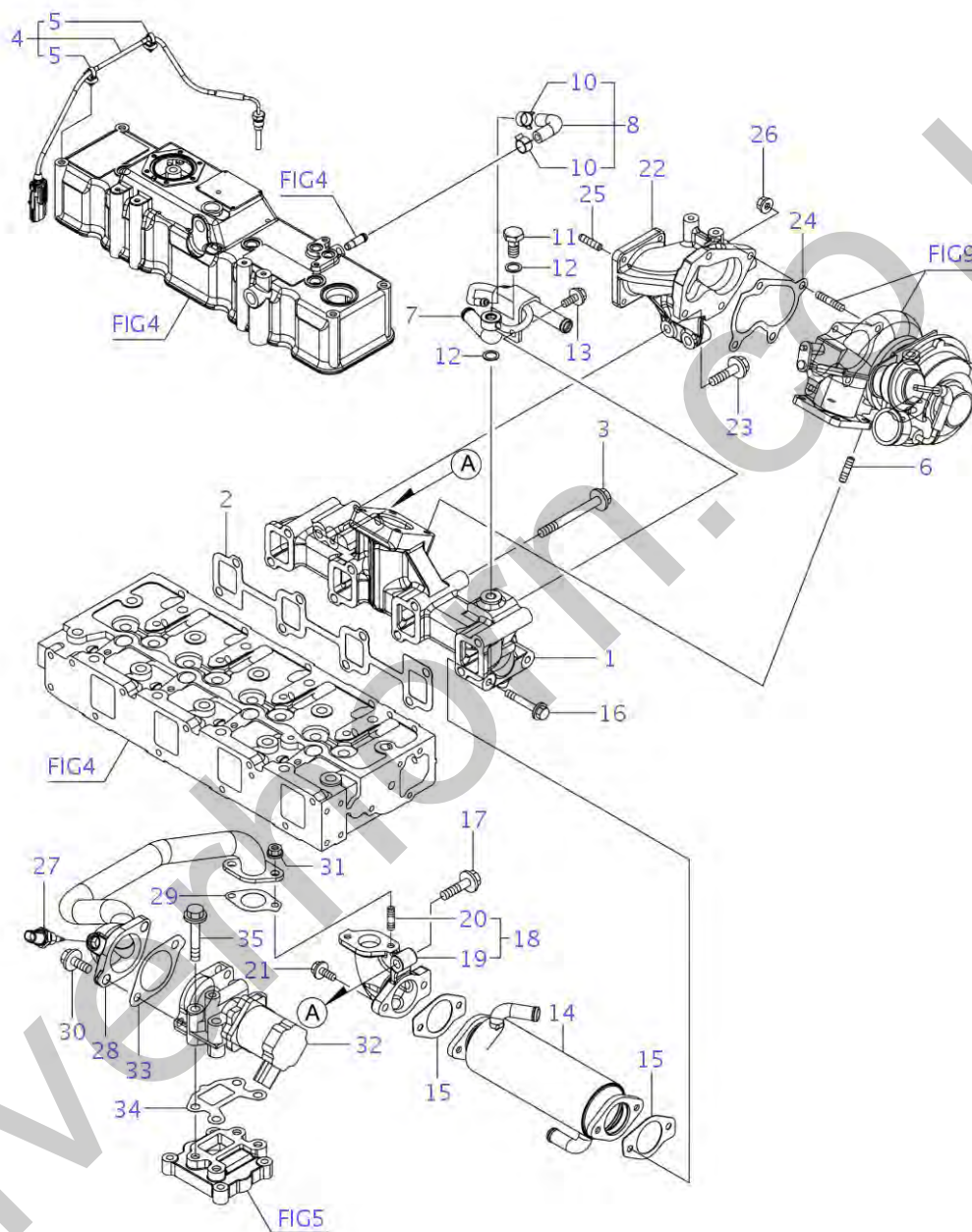
(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

OCD50-M04090-005

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	SUCTION MANIFOLD			
	.				
1	VV129E0012110	GASKET, MANIFOLD	1		
2	VV129E0112150	MANIFOLD ASSY, INTAKE	1		
3	VV129E0112100	MANIFOLD, INTAKE	1		
4	VV26216060202	STUD, M6X 20	2		
5	VV129A0012721	SENSOR, AIR TEMP	1	(1)	
6	VV26106080452	BOLT, M8X 45 PLATED	1		
7	VV26106080552	BOLT, M8X 55 PLATED	4		
8	VV129E0118200	DUCT, INTAKE	1		
9	VV129E0118220	JOINT, HOSE	1		
10	VV129A0118210	JOINT, RUBBER	1		
11	VV23000054000	CLAMP, 54	2		
12	VV23000060000	CLAMP, 60	1		
13	VV23000075000	CLAMP, 75	1		
14	VV129E0012810	GASKET, COLLECTOR	1		
15	VV129E3012850	COLLECTOR ASSY	1		
16	VV129E0112800	COLLECTOR	1		
17	VV129E0113700	VALVE, REED	1		
18	VV129E0013710	SPACER, EGR VALVE	1		
19	VV129E0013720	GASKET, EGR-V SPACER	1		
20	VV129E3059120	JOINT, HOSE 14	1		
21	VV22190140002	WASHER, SEAL 14	2		
22	VV23857080000	BOLT, JOINT 8	1		
23	VV26106060142	BOLT, M6X 14 PLATED	2		
24	VV26106080352	BOLT, M8X 35 PLATED	4		
25	VV26216060202	STUD, M6X 20	2		
26	VV26106080752	BOLT, M8X 75 PLATED	1		
27	VV26106080902	BOLT, M8X 90 PLATED	2		
28	VV26216081002	STUD, M8X100	2		
29	VV26306080002	NUT, M8	2		
30	VV129E3012900	THROTTLE ASSY, INT	1		
31	VV129A0012820	BEND, INTAKE	1		
32	VV129G0112900	THROTTLE, INT	1	(1)	
33	VV129A0012910	GASKET, THROTTLE	1		
34	VV26106060452	BOLT, M6X 45 PLATED	4		
35	VV129A0012910	GASKET, THROTTLE	1		
36	VV26106060202	BOLT, M6X 20 PLATED	2		
37	VV26106060902	BOLT, M6X 90 PLATED	2		
	.				
FIG4	.				
FIG9	.				



備考

(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

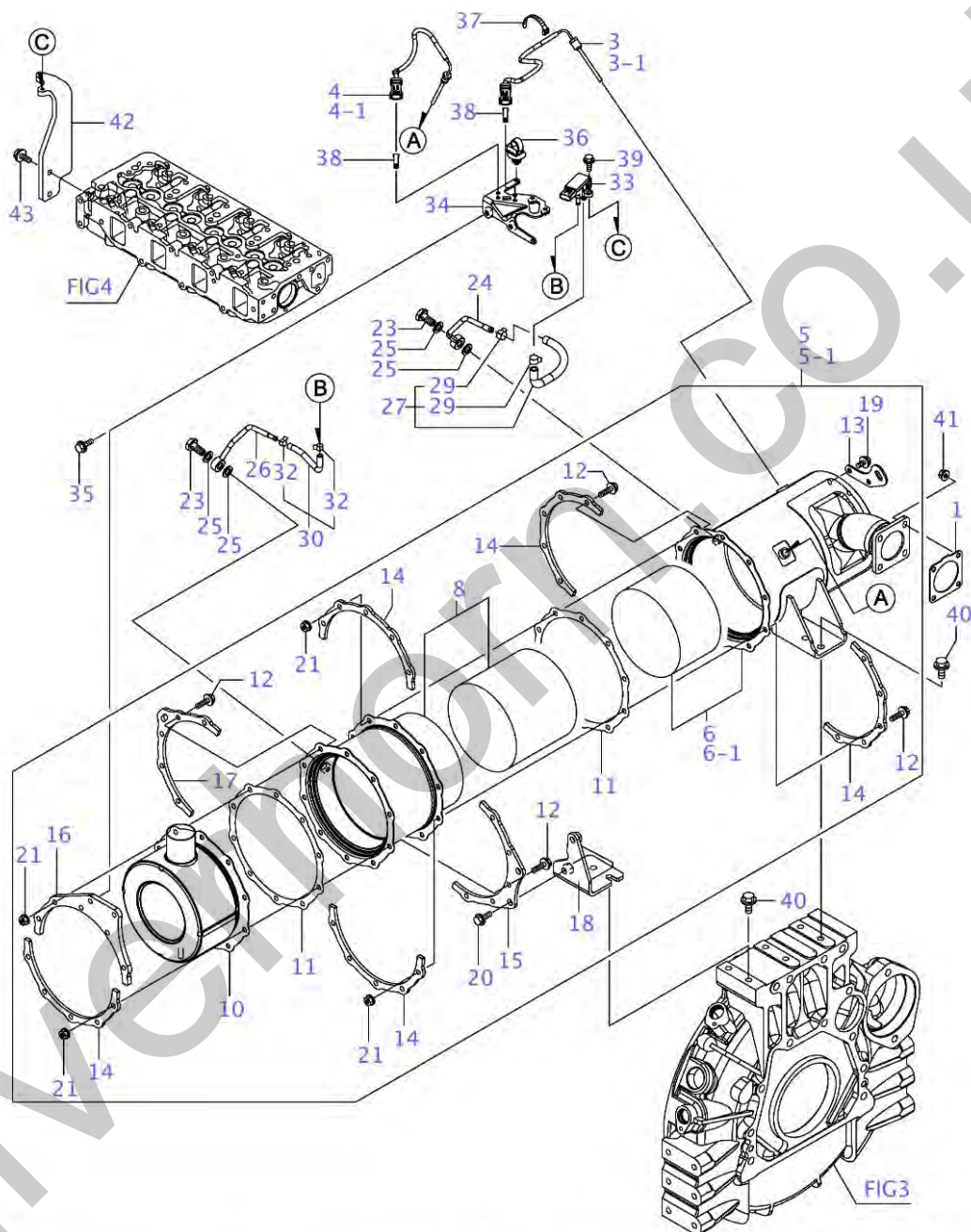
Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

0CD50-M04090-006

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	EXHAUST MANIFOLD			
	.				
1	VV129E0113101	MANIFOLD, EXHAUST	1		
2	VV129E0013110	GASKET, MANIFOLD	1		
3	VV129F0113610	BOLT, M10X95 10.9T	8		
4	VV129E0013770	SENSOR, TEMPERATURE	1	(1)	
5	VV129A0091200	CLIP, BAND	2		
6	VV12941818320	STUD, M8X20	4		
7	VV129E0113300	PIPE, PRESSURE	1		
8	VV12997813330	HOSE ASSY, PRESSURE	1		
10	VV129A0013380	CLIP, HOSE 14	2		
11	VV129A0013350	BOLT, PIPE JOINT	1		
12	VV23414120000	GASKET, 12X1.0	2		
13	VV26106080162	BOLT, M8X 16 PLATED	2		
14	VV129E0013400	COOLER, EGR	1		
15	VV12997813411	GASKET, EGR COOLER	2		
16	VV129E0013610	BOLT, M8X50 10.9	2		
17	VV129F0113650	BOLT, M10X40 10.9T	1		
18	VV129E0013851	BEND, COOLER OUTLET	1		
19	VV129E0013861	BEND, COOLER OUTLET	1		
20	VV12941818320	STUD, M8X20	2		
21	VV26106080202	BOLT, M8X 20 PLATED	2		
22	VV129E3013350	PIPE, EXHAUST	1		
23	VV129F0113650	BOLT, M10X40 10.9T	2		
24	VV12390118080	GASKET, TURBINE OUT	1		
25	VV11913118320	STUD, M8X22	4		
26	VV26306080002	NUT, M8	4		
27	VV129A0013752	SENSOR, EGR GAS TEMP	1	(1)	
28	VV129E0013800	PIPE ASSY, EGR	1		
29	VV12992713810	GASKET, EGR PIPE	1		
30	VV26106100252	BOLT, M10X 25 PLATED	2		
31	VV26306080002	NUT, M8	2		
32	VV129E0013960	VALVE, EGR 24V IDENT	1	(1)	
33	VV129E0013910	GASKET, EGR-V INLET	1		
34	VV129E0013920	GASKET, EGR-V OUTLET	1		
35	VV26106100602	BOLT, M10X 60 PLATED	4		
	.				
FIG4	.				
FIG5	.				
FIG9	.				

ハイブリッド用DPF(DPF)・DIESEL PARTICULATE FILTER(DPF)



備考

(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

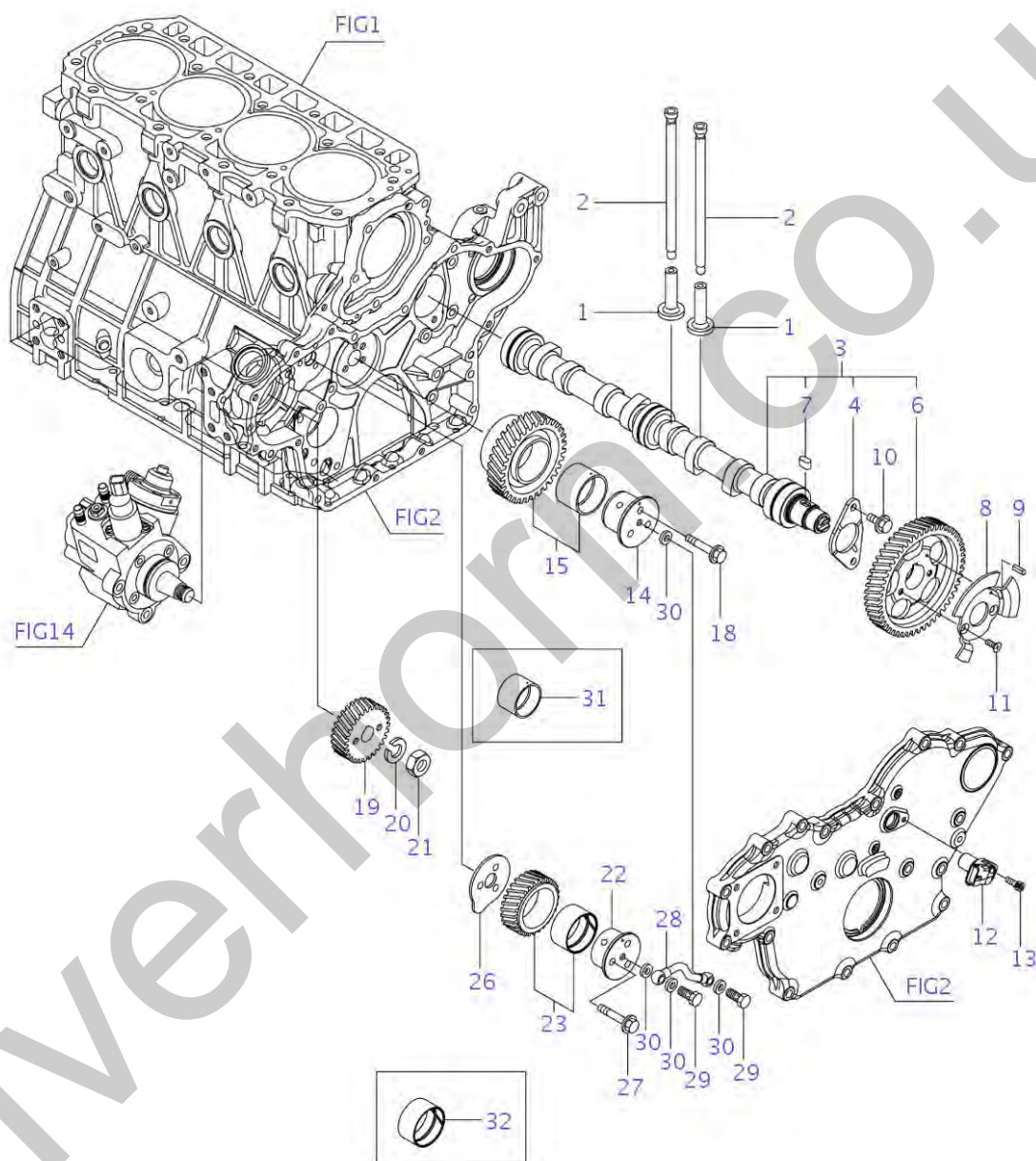
Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

OCD50-M04090-007

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	DIESEL PARTICULATE FILTER(DPF)			
	.				
1	VV12993013201	GASKET, SILENCER	1		
3	VV129C0013940	SENSOR, TEMPERATURE	1	(1)	
3-1	VV29C0013860	SENSOR, ATD TEMP.DS+	1	(1)	
4	VV129C0013950	SENSOR, TEMPERATURE	1	(1)	
4-1	VV129C0013870	SENSOR, ATD TEMP.DS+	1	(1)	
5	VV129E3016010	DPF ASSY	1	(1)	
5-1	VV129E3016050	DPF ASSY	1	(1)	
6	VV129E0116201	CASE, DOC	1	(1)	
6-1	VV129E0116230	CASE, DOC	1	(1)	
8	VV129C0116400	CASE, SOOT FILTER	1	(1)	
10	VV129E2016550	SILENCER, DPF	1		
11	VV129E0016600	GASKET, DPF	2		
12	VV129A0016610	BOLT, M8X28 10.9T	20		
13	VV129C0116680	LIFTER, DPF	1		
14	VV129C0116700	STIFFENER, DPF A	5		
15	VV129C0116710	STIFFENER, DPF B	1		
16	VV129C0116730	STIFFENER, DPF C	1		
17	VV129C0116740	STIFFENER, DPF C	1		
18	VV129E0016801	STAY, DPF	1		
19	VV26106080142	BOLT, M8X 14 PLATED	2		
20	VV26106100222	BOLT, M10X 22 PLATED	2		
21	VV26306080002	NUT, M8	20		
23	VV129A0013350	BOLT, PIPE JOINT	2		
24	VV129E0017300	PIPE ASSY, PRESSURE	1		
25	VV129A0017311	GASKET, SENSOR	4		
26	VV129E0017350	PIPE ASSY, PRESSURE	1		
27	VV12997817600	HOSE ASSY, PRES EXH	1		
29	VV129A0017520	CLIP, HOSE	2		
30	VV129A0017660	HOSE ASSY, PRESSURE	1		
32	VV129A0017570	CLIP, HOSE	2		
33	VV12997817700	SENSOR, PRESSURE	1	(1)	
34	VV129A0017760	BRACKET, SENSOR	1		
35	VV26106080202	BOLT, M8X 20 PLATED	2		
36	VV129A0091200	CLIP, BAND	1		
37	VV129C0091200	BAND	1		
38	VV129A0091430	CLIP, CONNECTOR	2		
39	VV26106060162	BOLT, M6X 16 PLATED	2		
40	VV26106100202	BOLT, M10X 20 PLATED	4		
41	VV26306080002	NUT, M8	4		
42	VV129C3517760	BRACKET, PRES SENSOR	1		
43	VV26106080202	BOLT, M8X 20 PLATED	2		
	.				
FIG3	.				
FIG4	.				

カムシャフト&クランクギヤ・CAMSHAFT & DRIVING GEAR



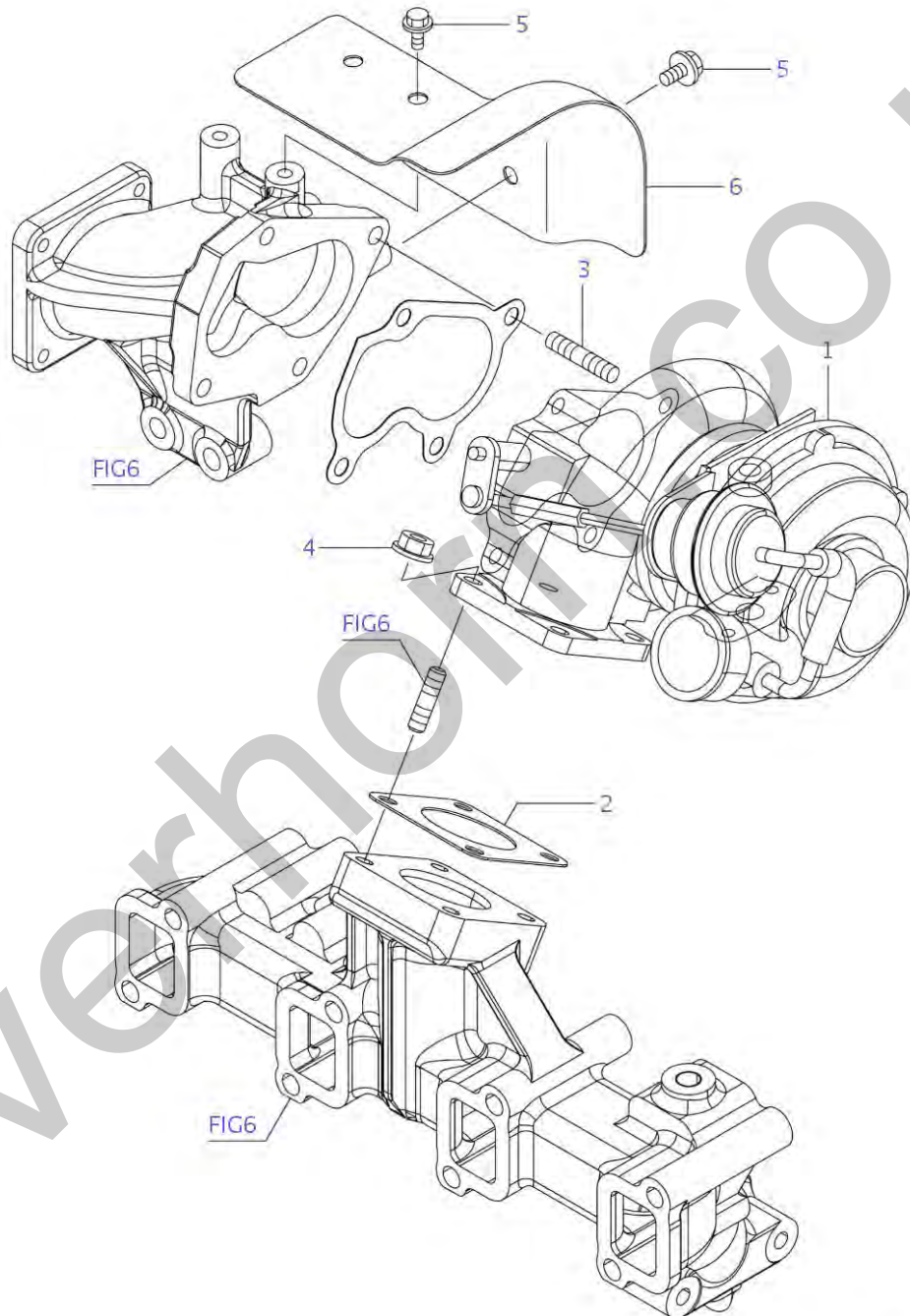
備考
(1)補修用部品

Remarks
(1)Spare parts.

OCD50-M04090-008

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CAMSHAFT & DRIVING GEAR			
	.				
1	VV12915014200	TAPPET	8		
2	VV12990014400	ROD, PUSH	8		
3	VV129E0014581	CAMSHAFT ASSY	1		
4	VV12915002450	METAL, THRUST	1		
6	VV129E0014101	GEAR, CAMSHAFT	1		
7	VV22512070140	KEY, 7X 14	1		
8	VV129E0014700	PULSER, CAM GEAR	1		
9	VV22351030010	PIN, SPRING 3.0X10	1		
10	VV26106080142	BOLT, M8X 14 PLATED	2		
11	VV26577060122	SCREW, M6X12	2		
12	VV129A0014710	SENSOR, ROTATION	1		
13	VV26450060162	BOLT, M6X 16	1		
14	VV129E0025050	SHAFT, IDLE GEAR A	1		
15	VV12992725110	GEAR ASSY, IDLE	1		
18	VV26106080502	BOLT, M8X 50 PLATED	3		
19	VV129E0025902	GEAR, SUPPLY PUMP	1		
20	VV22217180000	WASHER, SPRING 18	1		
21	VV26776180002	NUT, LOCK M18	1		
22	VV129E0025060	SHAFT, IDLE GEAR B	1		
23	VV129E0025121	GEAR ASSY, IDLE B	1		
26	VV129E0025200	PLATE, IDLE SHAFT B	1		
27	VV26106080452	BOLT, M8X 45 PLATED	3		
28	VV129E0025400	PIPE ASSY, OIL	1		
29	VV10501039140	BOLT, PIPE JOINT M8	2		
30	VV22190080002	WASHER, SEAL 8	4		
31	VV12992725920	BUSH, IDLE GEAR	1	(1)	
32	VV129E0025080	BUSH, IDLE GEAR B	1	(1)	
	.				
FIG1	.				
FIG2	.				
FIG14	.				

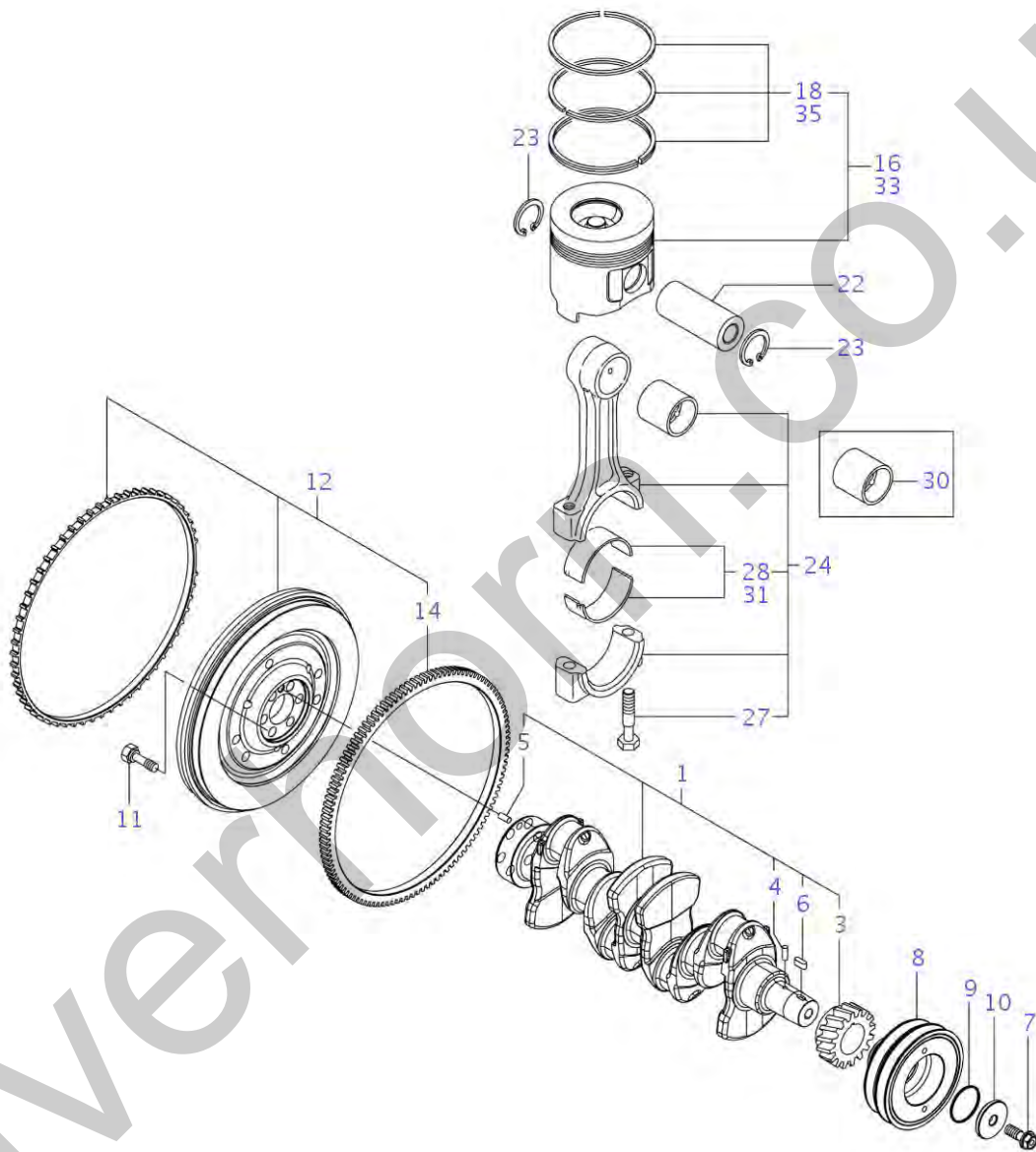
タービン・TURBINE



OCD50-M04090-009

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	TURBINE			
	.				
1	VV129E0118011	TURBOCHARGER, RHF5	1		
2	VV12947218090	GASKET, TURBINE IN	1		
3	VV11913118320	STUD, M8X22	4		
4	VV26306080002	NUT, M8	4		
5	VV11980213801	BOLT, M8X14 10.9T	4		
6	VV129E3018020	COVER, TURBO CHARGER	1		
	.				
FIG6	.				

クランクシャフト&ピストン・CRANKSHAFT & PISTON

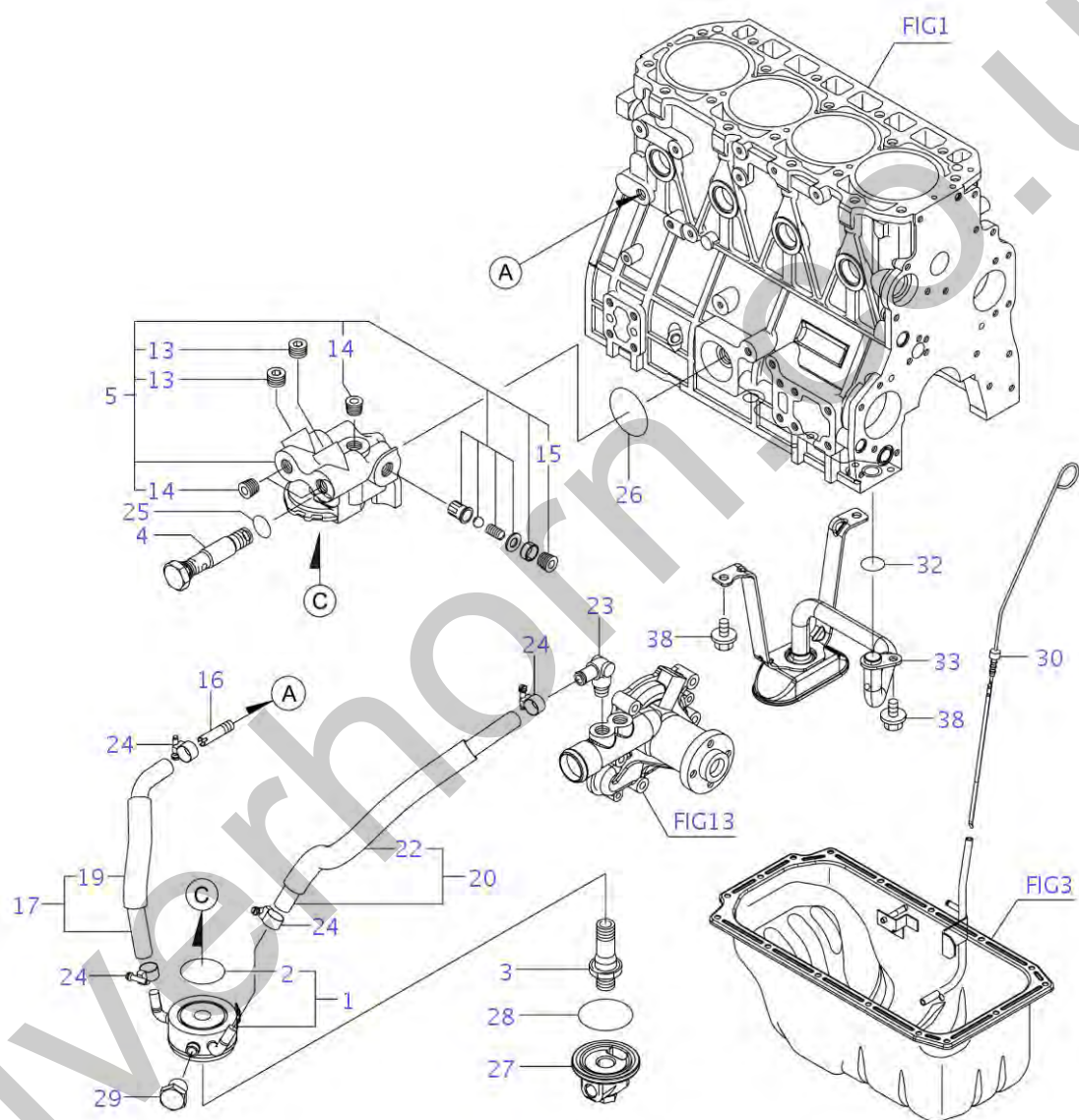


備考
(1)補修用部品
(2)アンダーサイズ(U.S.=0.25)
(3)オーバーサイズ(O.S.=0.25)

Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

0CD50-M04090-010

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CRANKSHAFT & PISTON			
	.				
1	VV12990821100	CRANKSHAFT ASSY	1		
3	VV12990021220	GEAR, CRANKSHAFT	1		
4	VV12185021290	PIN, CRANK GEAR	1		
5	VV12185021920	PIN, PARALLEL 10X22	1		
6	VV22512070140	KEY, 7X 14	1		
7	VV12991621610	BOLT, V-PULLEY	1		
8	VV129E3021600	V-PULLEY, CRANKSHAFT	1		
9	VV12996021930	GASKET, WASHER	1		
10	VV12996021940	WASHER, V-PULLEY	1		
11	VV12185021130	BOLT, FLYWHEEL	6		
12	VV129E3021560	FLYWHEEL ASSY	1		
14	VV12990021600	GEAR, RING	1		
16	VV129E0122080	PISTON ASSY	4		
18	VV129E0022050	RING SET, PISTON	4		
22	VV12013022301	PIN, PISTON	4		
23	VV22252000300	RING, 30	8		
24	VV12990023001	ROD ASSY, CONNECTING	4		
27	VV12990023200	BOLT, CONNECTING ROD	8		
28	VV12992723600	BEARING ASSY, PIN	4		
30	VV12990023911	METAL, PISTON PIN	4	(1)	
31	VV12992723610	BEARING ASSY, PIN US	4	(2)	
33	VV129E0122900	PISTON ASSY, 0.25 OS	4	(3)	
35	VV129E0022950	RING SET, PISTON .25	4	(3)	



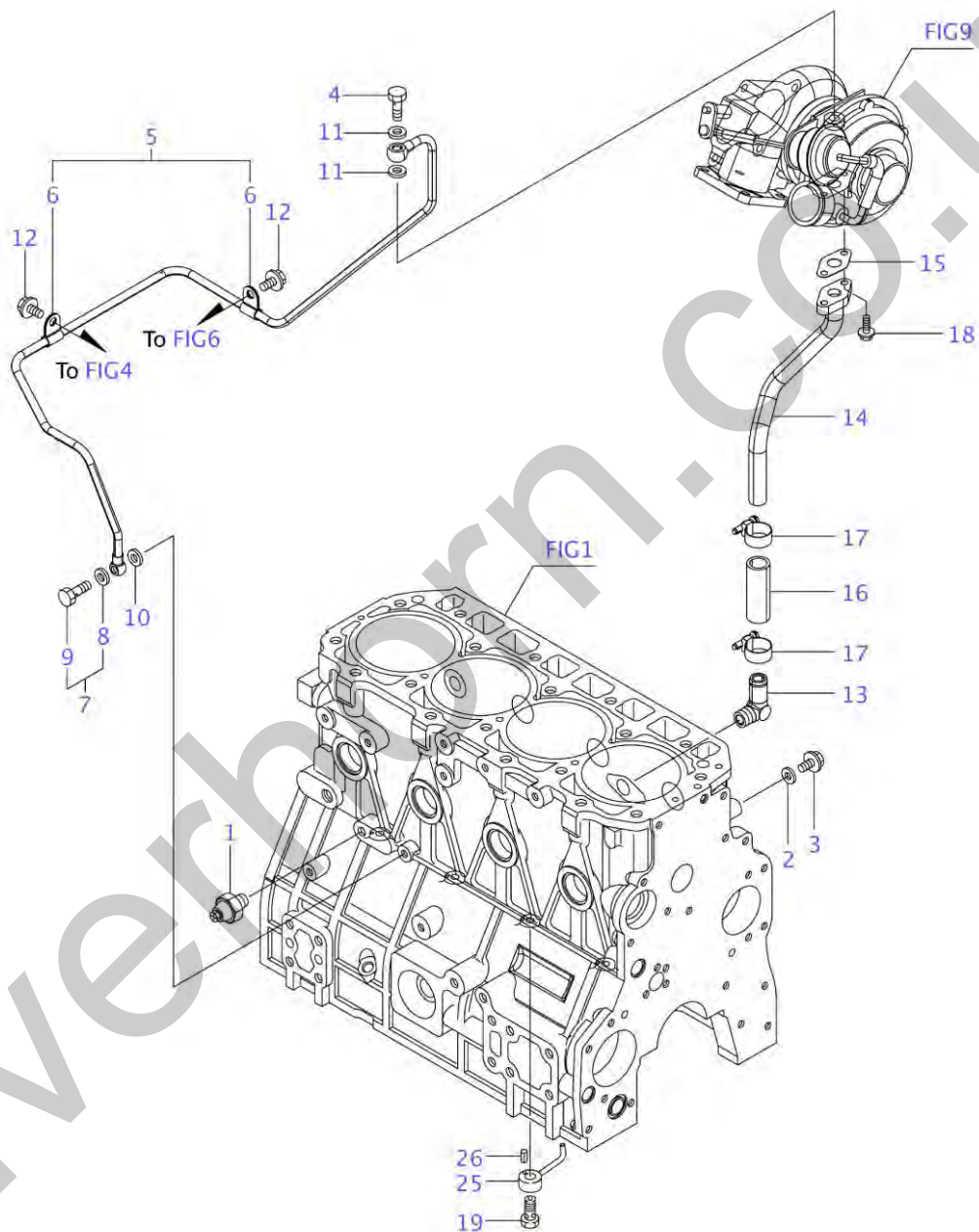
備考
(1)補修用部品

Remarks
(1)Spare parts.

00D50-M04090-011

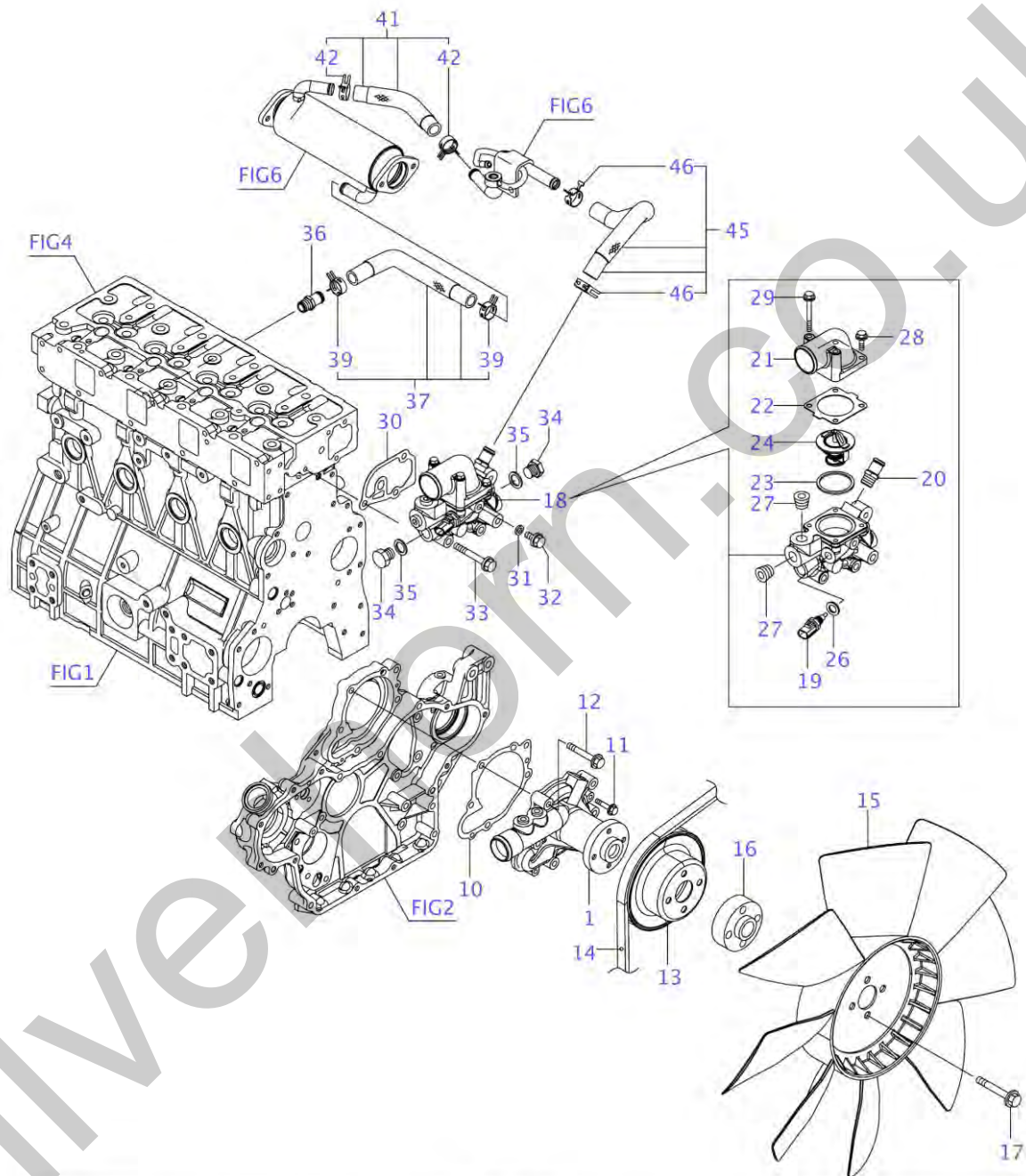
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	LUB. OIL SYSTEM			
	.				
1	VV12994933010	COOLER ASSY, OIL	1		
2	VV12391233050	O-RING	1		
3	VV12391033100	BOLT, CENTER	1		
4	VV12995633110	BOLT	1		
5	VV129E3035100	BRACKET ASSY, FILTER	1		
13	VV23875040000	PLUG, R04	2		
14	VV23876040000	PLUG, R04	3		
15	VV23876060000	PLUG, R06	1		
16	VV12912244480	JOINT, PT1/4	1		
17	VV12994949110	PIPE ASSY, WATER	1		
19	VV12995649190	TUBE, CORRUGATED	1		
20	VV12995649210	PIPE ASSY, WATER	1		
22	VV12995649230	TUBE, CORRUGATED	1		
23	VV12946649300	ELBOW, PT3/8	1		
24	VV23000025000	CLAMP, 25	4		
25	VV24314000200	O-RING, 4CP20.0	1		
26	VV24321000600	O-RING, 1AG60.0	1		
27	VV12923835111	PLUG	1		
28	VV24321000600	O-RING, 1AG60.0	1		
29	VV17105649120	PLUG, DRAIN R1/4	1		
30	VV129E2034871	DIPSTICK, OIL	1		
32	VV12990032030	O-RING, P20	1		
33	VV129E2335001	PIPE ASSY, OIL INLET	1		
38	VV26106080122	BOLT, M8X 12 PLATED	3		
	.				
FIG1	.				
FIG3	.				
FIG13	.				

ｼﾞｭﾝｸﾞﾁｭﾊﾟｲﾌﾟ・LUB. OIL PIPE



OCD50-M04090-012

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	LUB. OIL PIPE			
	.				
1	VY12429839450	SWITCH, HYDRAULIC	1		
2	VY22190080002	WASHER, SEAL 8	1		
3	VY26106080122	BOLT, M8X 12 PLATED	1		
4	VY12125239150	BOLT, JOINT M10X1.5	1		
5	VY129E0139450	PIPE ASSY, OIL	1		
6	VY12422339900	RETAINER	2		
7	VY12900559830	BOLT ASSY, JOINT M8	1		
7-1	VY12919859540	BOLT, PIPE JOINT M8	1		
8	VY22190080002	WASHER, SEAL 8	1		
9	VY23857030000	BOLT, JOINT 3	1		
10	VY22190080002	WASHER, SEAL 8	2		
11	VY23414100000	GASKET, 10X1.0	2		
12	VY26106080122	BOLT, M8X 12 PLATED	2		
13	VY12407013300	ELBOW, PT3/8	1		
14	VY129E0139600	PIPE, OIL RETURN	1		
14-1	VY129E0139620	PIPE, LO RETURN T/C	1		
15	VY12990839690	GASKET, RETURN PIPE	1		
16	VY12390139820	HOSE, OIL RETURN	1		
16-1	VY12997439830	HOSE, LO RETURN	1		
17	VY23000025000	CLAMP, 25	2		
18	VY26106060162	BOLT, M6X 16 PLATED	2		
19	VY12990839410	VALVE ASSY, CHECK	4		
25	VY11900039650	NOZZLE, COOLING	4		
26	VY22351030010	PIN, SPRING 3.0X10	4		
	.				
FIG1	FIG1				
FIG4	FIG4				
FIG6	FIG6				
FIG9	FIG9				



備考

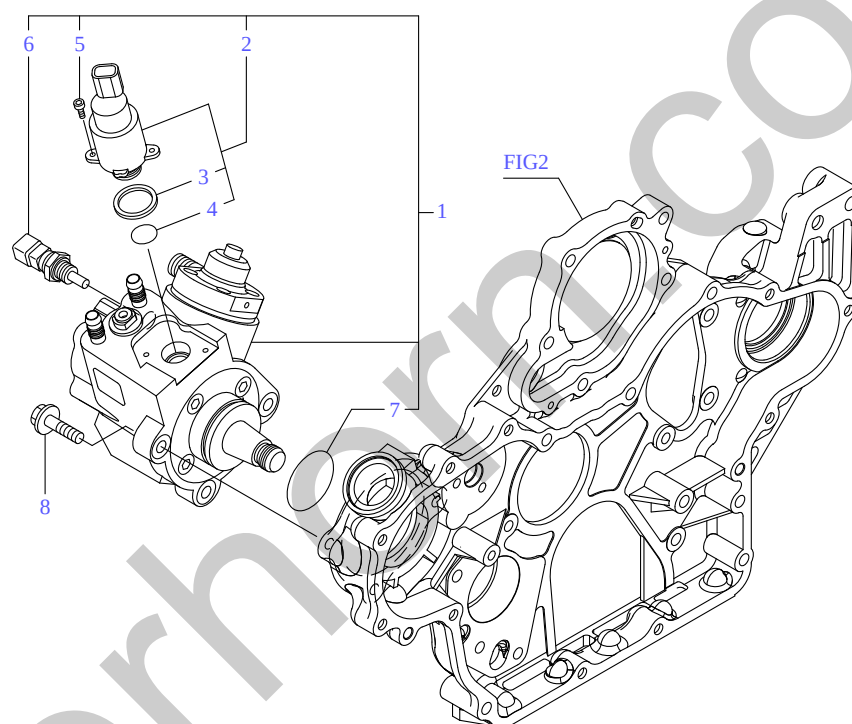
(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

OCD50-M04090-013

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	COOLING WATER SYSTEM			
	.				
1	VV12993242120	PUMP ASSY, WATER	1		
10	VV12990042020	GASKET, WATER PUMP	1		
11	VV26106060302	BOLT, M6X 30 PLATED	2		
12	VV26106080552	BOLT, M8X 55 PLATED	5		
13	VV12390042471	V-PULLEY, PUMP	1		4TNV98CT-L2VYB
13	VV12390042450	V-PULLEY, PUMP	1		4TNV98CT-L2VYBD
14	VV129E3042200	V-BELT, B45.5	1		4TNV98CT-L2VYB
14	VV12997942310	V-BELT, B46.0	1		4TNV98CT-L2VYBD
15	VV12394544751	FAN, COOLING D=500	1		
16	VV12391044771	SPACER, FAN 50MM	1		
17	VV26106100702	BOLT, M10X 70 PLATED	4		
18	VV129E3249800	CASE ASSY, THERMOSTAT	1		
19	VV12992744900	SENSOR, TEMPERATURE	1 (1)		
20	VV12992849420	JOINT	1		
21	VV12998049530	COVER, THERMOSTAT	1		
22	VV12185049540	GASKET, THERMOSTAT	1		
23	VV12185049550	GASKET, THERMOSTAT	1		
24	VV12185049811	THERMOSTAT, 71C	1		
26	VV22190120002	WASHER, SEAL 12	1		
27	VV23875030000	PLUG, R03	2		
28	VV26106060202	BOLT, M6X 20 PLATED	2		
29	VV26106060552	BOLT, M6X 55 PLATED	2		
30	VV12990049870	GASKET, THERMOSTAT	1		
31	VV23414080000	GASKET, 8X1.0	1		
32	VV26106080122	BOLT, M8X 12 PLATED	1		
33	VV26106080602	BOLT, M8X 60 PLATED	3		
34	VV12145042450	PLUG, M16	2		
35	VV12446544950	GASKET, 16	2		
36	VV12992849420	JOINT	1		
37	VV129E0049610	HOSE, COOLER INLET	1		
39	VV12996003990	CLAMP, HOSE 19.8	2		
41	VV129E0049640	HOSE, COOLER OUT A	1		
42	VV12996003990	CLAMP, HOSE 19.8	2		
45	VV129E2349631	HOSE, COOLER OUT B	1		
46	VV12996003990	CLAMP, HOSE 19.8	2		
	.				
FIG1	.				
FIG2	.				
FIG4	.				
FIG6	.				



備考

(1)交換には専用のサービスツールによるECUの
データ更新が必要です
サービスマニュアルをご参照ください

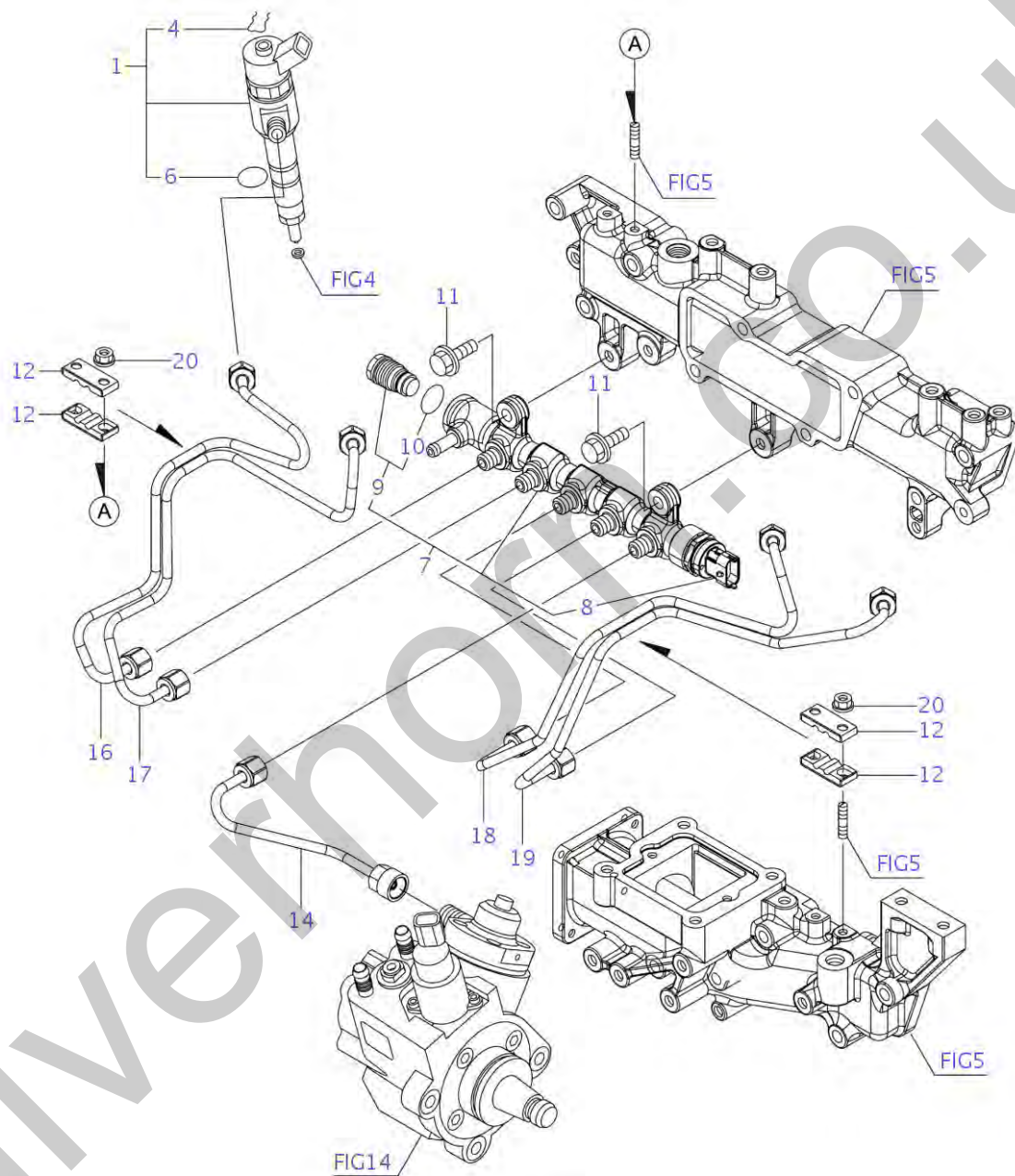
Remarks

(1)When replacing this part, it is necessary to update the software
of the ECU using the designated service tool.
Please refer to the Service Manual for details.

OCD50-M04090-014

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL SUPPLY PUMP			
	.				
1	VV129A0051000	PUMP ASSY, FUEL	1	(1)	
2	VV129A0051100	VALVE ASSY	1	(1)	
3	VV129A0051110	RING, SEAL	1		
4	VV129A0051120	O-RING, MPROP	1		
5	VV129A0051130	BOLT, MPROP	2		
6	VV129A0051200	SENSOR, TEMPERATURE	1	(1)	
7	VV129A0051900	O-RING, FUEL PUMP	1		
8	VV26106080302	BOLT, M8X 30 PLATED	3		
	.				
FIG2	.				

ネリヨウフンシャベン・FUEL INJECTION VALVE



備考

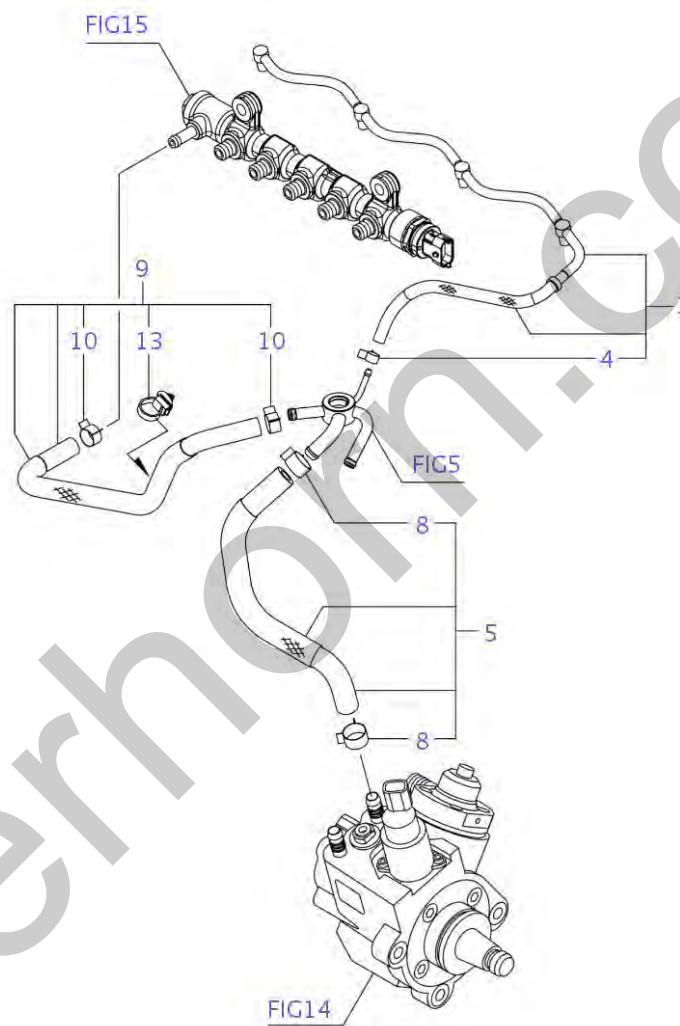
(1)交換には専用のサービスツールによるECUのデータ更新が必要です
サービスマニュアルをご参照ください

Remarks

(1)When replacing this part, it is necessary to update the software of the ECU using the designated service tool.
Please refer to the Service Manual for details.

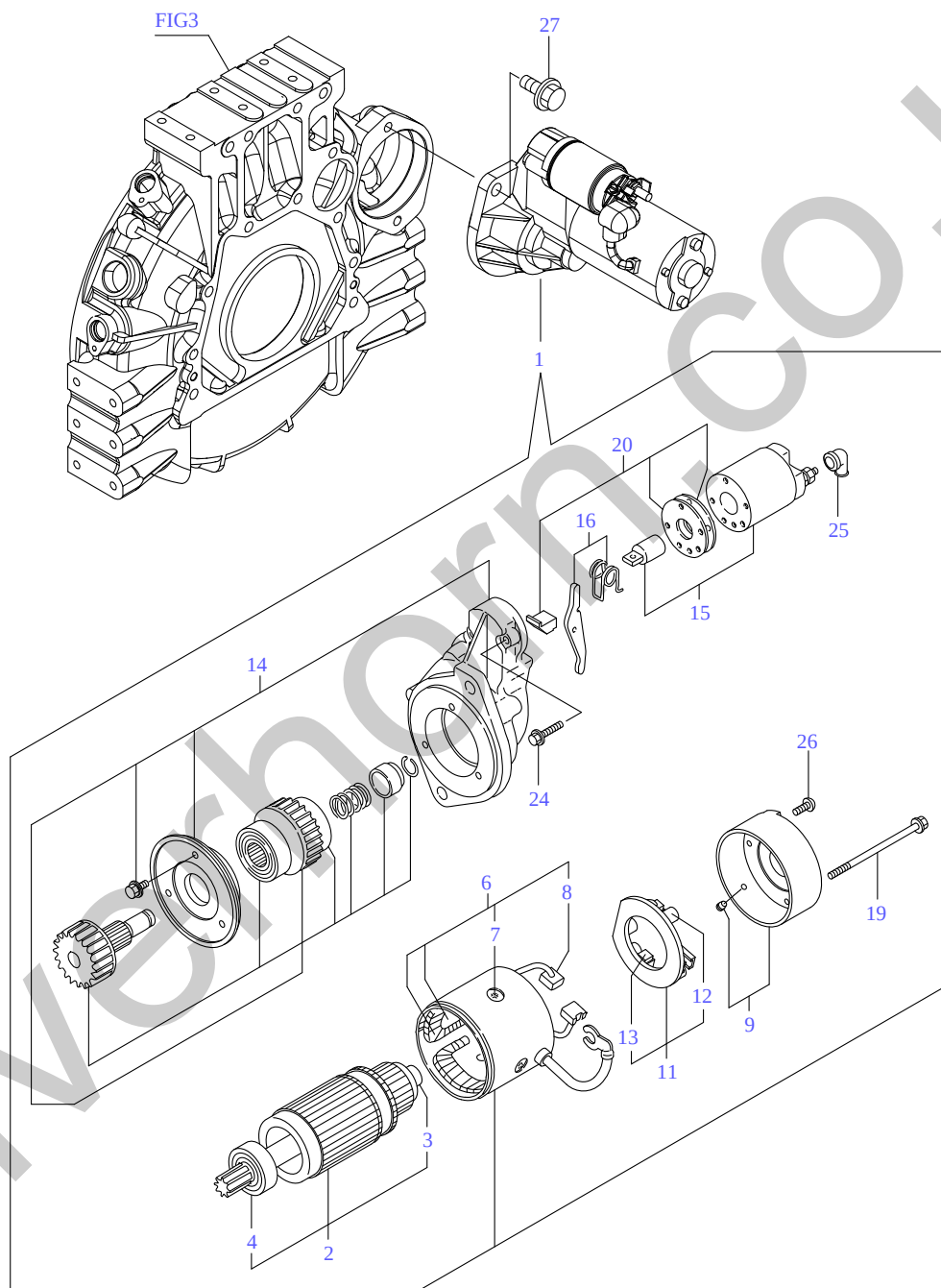
OCD50-M04090-015

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL INJECTION VALVE			
	.				
1	VV129E0153100	INJECTOR, CR	4	(1)	
4	VV129A0053200	RING, RETAINING	4		
6	VV129C2853300	O-RING	4		
7	VV129C0057000	COMMON RAIL ASSY	1	(1)	
8	VV129A0057100	SENSOR, PRESSURE	1	(1)	
9	VV129A0057200	VALVE ASSY, PLV4	1	(1)	
10	VV129A0057210	O-RING, PLV4	1		
11	VV26106080252	BOLT, M8X 25 PLATED	2		
12	VV12278059100	RETAINER, PIPE	4		
14	VV129E0059700	PIPE ASSY, RAIL IN	1		
16	VV129E0059810	PIPE, INJECTION NO.1	1		
17	VV129E0059820	PIPE, INJECTION NO.2	1		
18	VV129E0059830	PIPE, INJECTION NO.3	1		
19	VV129E0059840	PIPE, INJECTION NO.4	1		
20	VV26366060002	NUT, M6	4		
	.				
FIG4	.				
FIG5	.				
FIG14	.				



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL PIPE			
	.				
1	VV129E0159500	PIPE ASSY, F0 RETURN	1		
4	VV23080007000	CLAMP, 7	1		
5	VV129E0059020	HOSE ASSY, RETURN	1		
8	VV23080015000	CLAMP, 15	2		
9	VV129E0059030	HOSE ASSY, RETURN	1		
10	VV11427059010	CLAMP, HOSE 12	2		
13	VV129A0091200	CLIP, BAND	1		
	.				
FIG5	.				
FIG14	.				
FIG15	.				

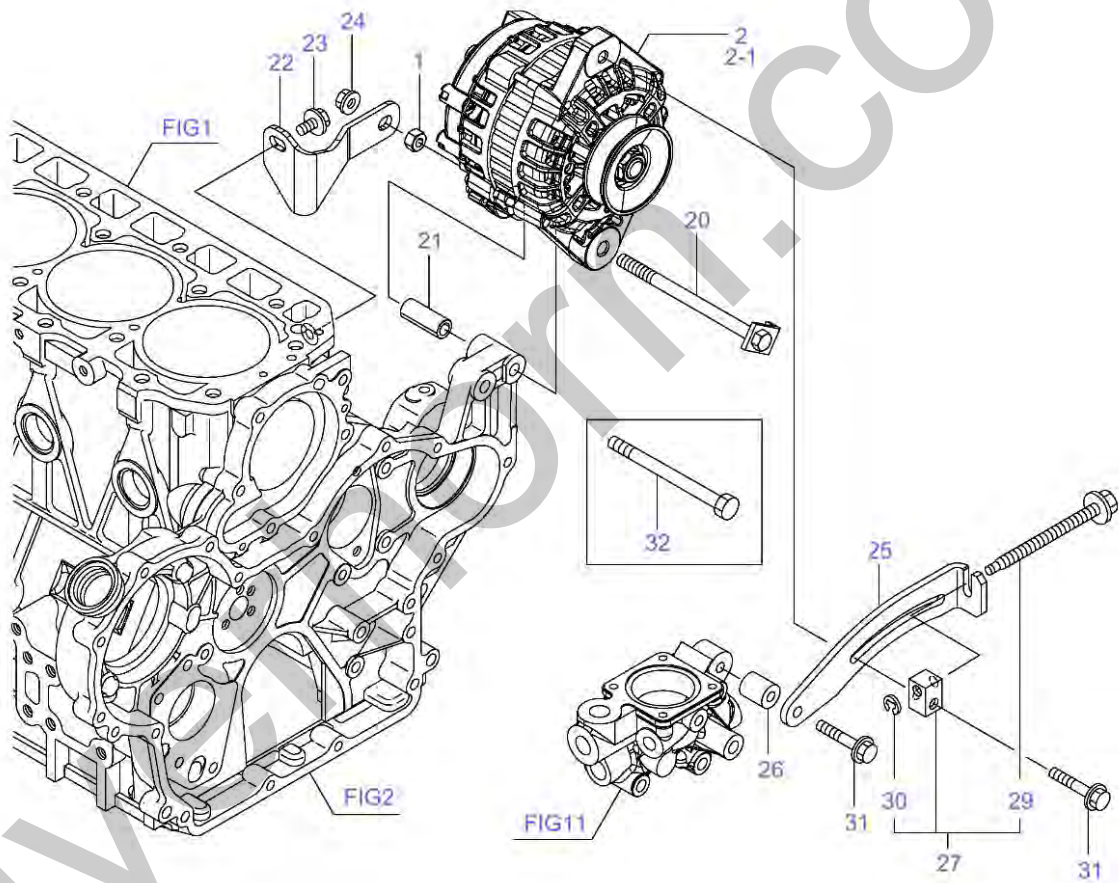
スターモータ・STARTER MOTOR



OCD50-M04090-017

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	STARTER MOTOR			
	.				
1	VV11913177011	STARTER ASSY, 3.5KW	1		
2	VV11913177400	ARMATURE ASSY	1		
3	VV17100877410	BEARING, BALL 1	1		
4	VV11913177420	BEARING, BALL 2	1		
6	VV11913177440	COIL ASSY, FIELD	1		
7	VV11926077070	SCREW, CORE SET	4		
8	VV11913177450	BRUSH, +	2		
9	VV11913177460	COVER ASSY, REAR	1		
11	VV11913177480	HOLDER ASSY, BRUSH	1		
12	VV11913177490	SPRING, BRUSH	4		
13	VV11913177500	BRUSH	2		
14	VV11913177510	CLUTCH ASSY, PINION	1		
15	VV11913177590	SWITCH, MAGNET	1		
16	VV11913177620	LEVER SET, SHIFT	1		
19	VV12940077640	BOLT, THROUGH	2		
20	VV11913177650	COVER KIT, DUST	1		
24	VV11913177690	BOLT, M6X37	2		
25	VV12125477810	COVER, TERMINAL M	1		
26	VV26557040102	SCREW, M4X10	2		
27	VV26106120252	BOLT, M12X 25 PLATED	2		
	.				
FIG3	.				

ジェネレータ・GENERATOR

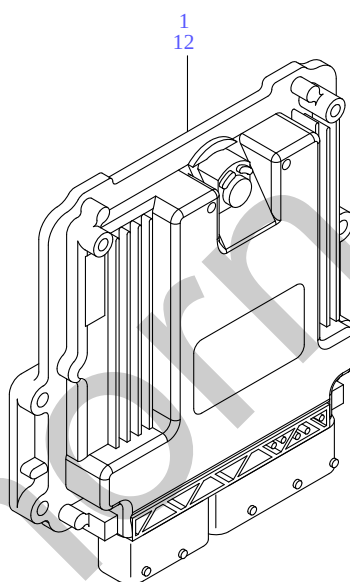


備考
(1)インナーパーツは、Fig.24を参照

Remarks
(1)Inner parts are shown in Fig.24.

0GD50-M04090-018

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GENERATOR			
	.				
1	VY129E3077121	NUT, SPACER	1		
2	VY129E2077201	ALTERNATOR	1		
2-1	VY12990877280	ALTERNATOR, 24V-60A	1	(1)	
20	VY12992377250	BOLT, STOPPER M10	1		
21	VY12947077340	PIECE, DISTANCE	1		
22	VY12992377370	STAY, ALTERNATOR	1		
23	VY26106080142	BOLT, M8X 14 PLATED	1		
24	VY26306100002	NUT, M10	1		
25	VY12992377300	ADJUSTER, BELT	1		
26	VY129E2077340	PIECE, DISTANCE	1		
27	VY12963077350	BLOCK ASSY, ADJUSTER	1		
29	VY12963077380	BOLT, M8X100	1		
30	VY22272000050	RING, E- 5	1		
31	VY26106080452	BOLT, M8X 45 PLATED	2		
32	VY129E3077200	BOLT, M10X146	1		
	.				
FIG1	FIG1				
FIG2	FIG2				
FIG11	FIG11				



備考

(1)正規ECU

この部品では、部品注文はできません
エンジン固有の情報が正しくセットされた
補用品ECUで、交換願います

(2)補用品ECU

組付前にエンジン固有の情報を正しくセット
しないと、エンジンが正常に作動しません
必ず、認定特約店にて固有の情報をセット後、
組付けてください

Remarks

(1)Eco ECU

This part cannot be ordered.
Replace the part using a Service ECU with the proper engine
information installed.

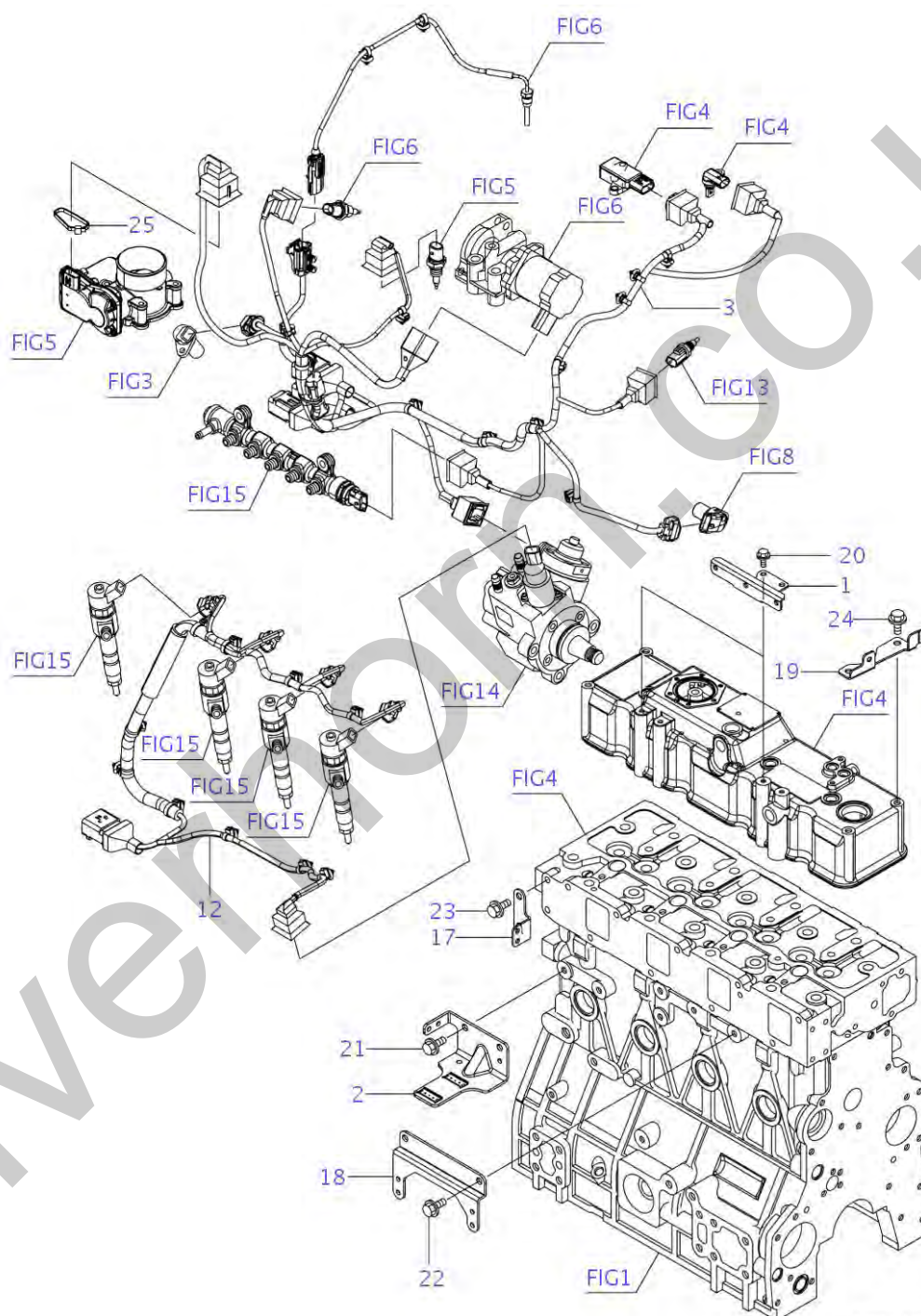
(2)Service ECU

If the proper information is not installed, the engine will not
operate.

To install proper information, go to an authorized distributor.

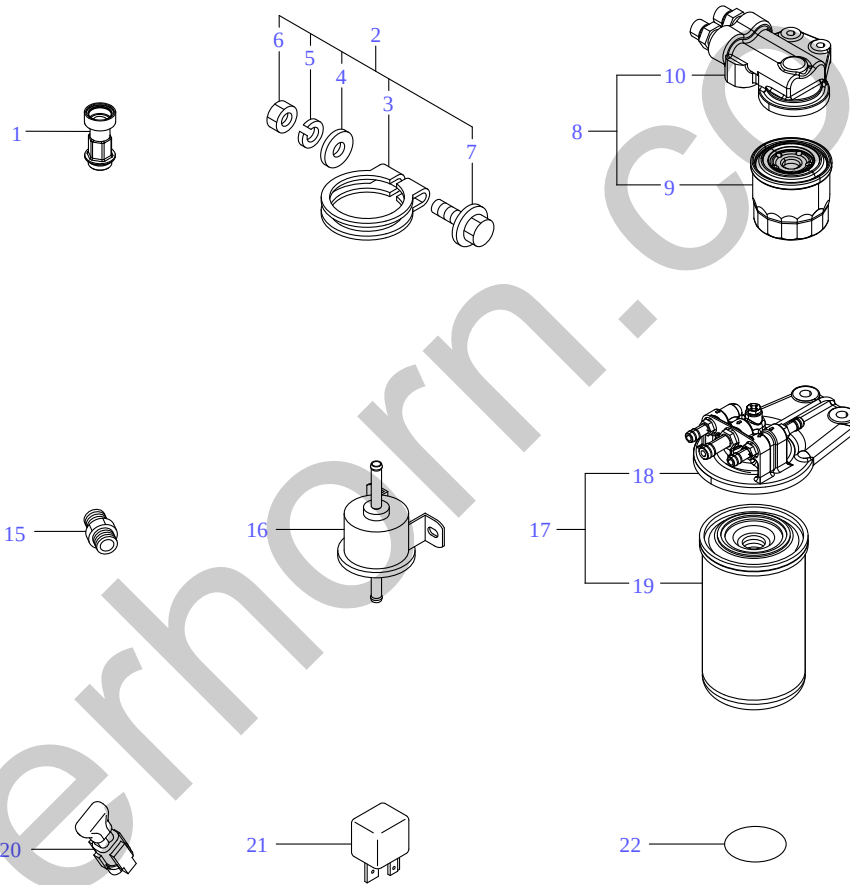
OCD50-M04090-019

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	ELECTRONIC CONTROL UNIT(ECU)			
	.				
1	VV129E3075041	ECU ASSY, 98CT-L2VYB	1	(1)	
12	VV129A0075980	ECU ASSY, SERVICE YMR	1	(2)	



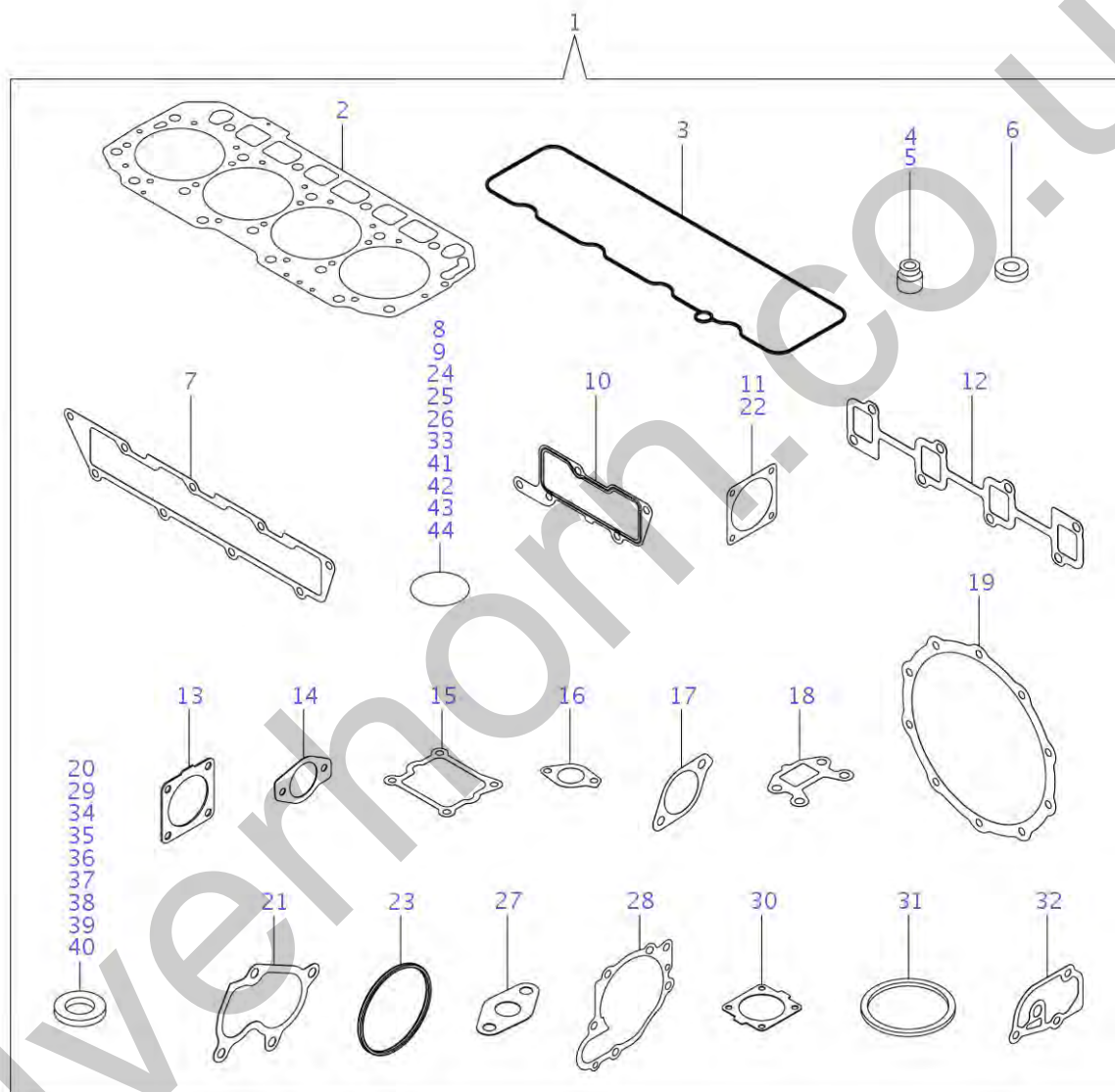
OCD50-M04090-020

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	ELECTRIC PARTS			
	.				
1	VV129E0011390	BRACKET, HARNESS	2		
2	VV129E0077910	BRACKET, CONNECTOR	1		
3	VV129E3091230	HARNESS, B ECO ENGINE	1		
12	VV129E0091231	HARNESS, C T4	1		
17	VV129A0091600	BRACKET, HARNESS	1		
18	VV129E0091600	BRACKET, HARNESS	1		
19	VV129E0191610	BRACKET, HARNESS	1		
20	VV26106060122	BOLT, M6X 12 PLATED	4		
21	VV26106080122	BOLT, M8X 12 PLATED	2		
22	VV26106080122	BOLT, M8X 12 PLATED	2		
23	VV26106080122	BOLT, M8X 12 PLATED	2		
24	VV26106080122	BOLT, M8X 12 PLATED	2		
25	VV29621200000	BAND	1		
	.				
FIG1	.				
FIG3	.				
FIG4	.				
FIG5	.				
FIG6	.				
FIG8	.				
FIG13	.				
FIG14	.				
FIG15	.				



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	ACCESSORY			
	.				
1	VY17103111741	PIPE, FILLER	1		
2	VY12964013590	CLAMP ASSY	1		
3	VY12964013580	CLAMP	1		
4	VY22117100000	WASHER, 10	1		
5	VY22217100000	WASHER, SPRING 10	1		
6	VY26106100652	BOLT, M10X 65 PLATED	1		
7	VY26706100002	NUT, M10	1		
8	VY129E3035120	BRACKET ASSY, LO FILT	1		
8-1	VY129E3035121	BRACKET ASSY, LO FILT	1		
9	VY12915035153	FILTER ASSY, D80X80L	1		
10	VY129C2235310	BRACKET ASSY, FILTER	1		
10-1	VY129E3035330	BRACKET ASSY, LO FILT	1		
15	VY12995339500	ADAPTER, R-G1/2	2		
15-1	VY12995339501	ADAPTER	2		
16	VY12990752100	PUMP, FUEL FEED	1		
17	VY129A0055600	FILTER ASSY, FUEL	1		
18	VY129A0055610	BRACKET ASSY, FILTER	1		
19	VY129A0055800	FILTER, FUEL	1		
20	VY129C0177300	RESISTOR, 3K OHM 1W	1		
21	VY129G0177900	RELAY, 24V20A. ISO-HI	3		
22	VY24311000320	O-RING, 1AP32.0	1		

パッキンセット・GASKET SET



備考
(1)オプション部品

Remarks
(1)Optional parts.

OCD50-M04090-022

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GASKET SET			
	.				
1	VV129E3092610	GASKET SET	1	(1)	
2	VV129E0001330	GASKET, HEAD	1		
3	VV129E0011310	GASKET, BONNET	1		
4	VV12446011340	SEAL, VALVE STEM	4		
5	VV129A0011340	SEAL, VALVE STEM	4		
6	VV12997811871	GASKET, INJECTOR	4		
7	VV129E0012110	GASKET, MANIFOLD	1		
8	VV129A0012780	O-RING, EGR SENSOR	2		
9	VV129A0012790	O-RING, TEMP SENSOR	1		
10	VV129E0012810	GASKET, COLLECTOR	1		
11	VV129A0012910	GASKET, THROTTLE	2		
12	VV129E0013110	GASKET, MANIFOLD	1		
13	VV12993013201	GASKET, SILENCER	1		
14	VV12997813411	GASKET, EGR COOLER	2		
15	VV129E0013720	GASKET, EGR-V SPACER	1		
16	VV12992713810	GASKET, EGR PIPE	1		
17	VV129E0013910	GASKET, EGR-V INLET	1		
18	VV129E0013920	GASKET, EGR-V OUTLET	1		
19	VV129E0016600	GASKET, DPF	2		
20	VV129A0017311	GASKET, SENSOR	4		
21	VV12390118080	GASKET, TURBINE OUT	1		
22	VV12947218090	GASKET, TURBINE IN	1		
23	VV12996021930	GASKET, WASHER	1		
24	VV12990032030	O-RING, P20	2		
25	VV12990032040	O-RING, P14	1		
26	VV12391233050	O-RING	1		
27	VV12990839690	GASKET, RETURN PIPE	1		
28	VV12990042020	GASKET, WATER PUMP	1		
29	VV12446544950	GASKET, 16	2		
30	VV12185049540	GASKET, THERMOSTAT	1		
31	VV12185049550	GASKET, THERMOSTAT	1		
32	VV12990049870	GASKET, THERMOSTAT	1		
33	VV129A0051900	O-RING, FUEL PUMP	1		
34	VV22190080002	WASHER, SEAL 8	7		
35	VV22190120002	WASHER, SEAL 12	1		
36	VV22190140002	WASHER, SEAL 14	2		
37	VV22190220002	WASHER, SEAL 22	1		
38	VV23414080000	GASKET, 8X1.0	1		
39	VV23414100000	GASKET, 10X1.0	2		
40	VV23414120000	GASKET, 12X1.0	2		
41	VV24311000070	O-RING, 1AP7.0	1		
42	VV24311000120	O-RING, 1AP12.0	3		
43	VV24311000320	O-RING, 1AP32.0	3		
44	VV24321000600	O-RING, 1AG60.0	1		