

YANMAR DIESEL ENGINE

3TNV82A

3TNV82A-BPYBD/-BPYBC/-BPYBU

PARTS CATALOG

GENUINE PARTS

FOR

KOBELCO

SK28SR-6, SK30SR-6, SK35SR-6,
SK30UR-6, SK38UR-6,
SK28SR-6E, SK30SR-6E, SK35SR-6E

YANMAR CO., LTD

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
		PREFACE			
FIG 01		CYLINDER BLOCK			
FIG 02		GEAR HOUSING			
FIG 03		FLYWHEEL HOUSING & OIL SUMP			
FIG 04		CYLINDER HEAD & BONNET			
FIG 18		CYLINDER HEAD & BONNET			
FIG 05		SUCTION MANIFOLD			
FIG 06		EXHAUST MANIFOLD			
FIG 07		CAMSHAFT & DRIVING GEAR			
FIG 08		CRANKSHAFT & PISTON			
FIG 09		LUB.OIL SYSTEM			
FIG 10		COOLING WATER SYSTEM			
FIG 11		FUEL INJECTION PUMP			
FIG 12		GOVERNOR			
FIG 13		FUEL INJECTION VALVE			
FIG 14		FUEL PIPE			
FIG 15		STARTING MOTOR			
FIG 16		GENERATOR			
FIG 19		GENERATOR			
FIG 17		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	シリンダーブロック			
1	・ VV72900501560	BLOCK ASSY, CYLINDER	シリンダーブロック 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)

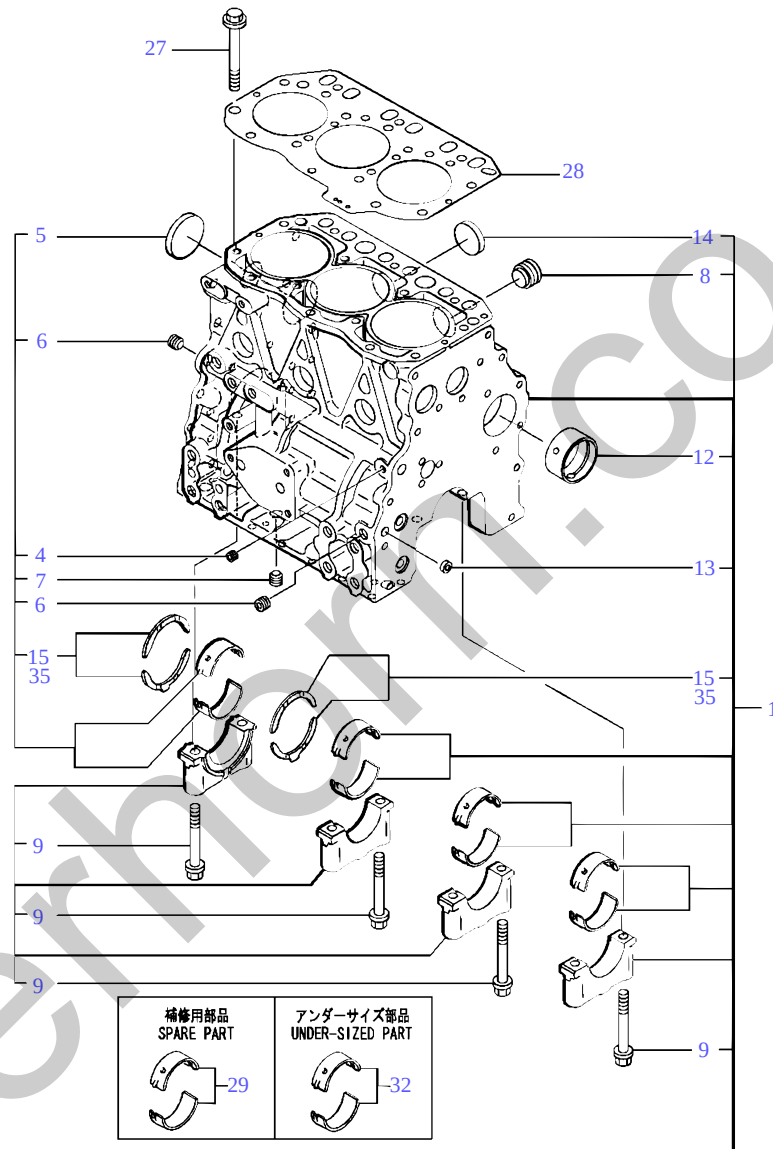
Two (2) parts connected by the arrow are interchangeable.
In addition, where sign is put in (), the parts are interchangeable with the relevant parts in part list, both parts are available.

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

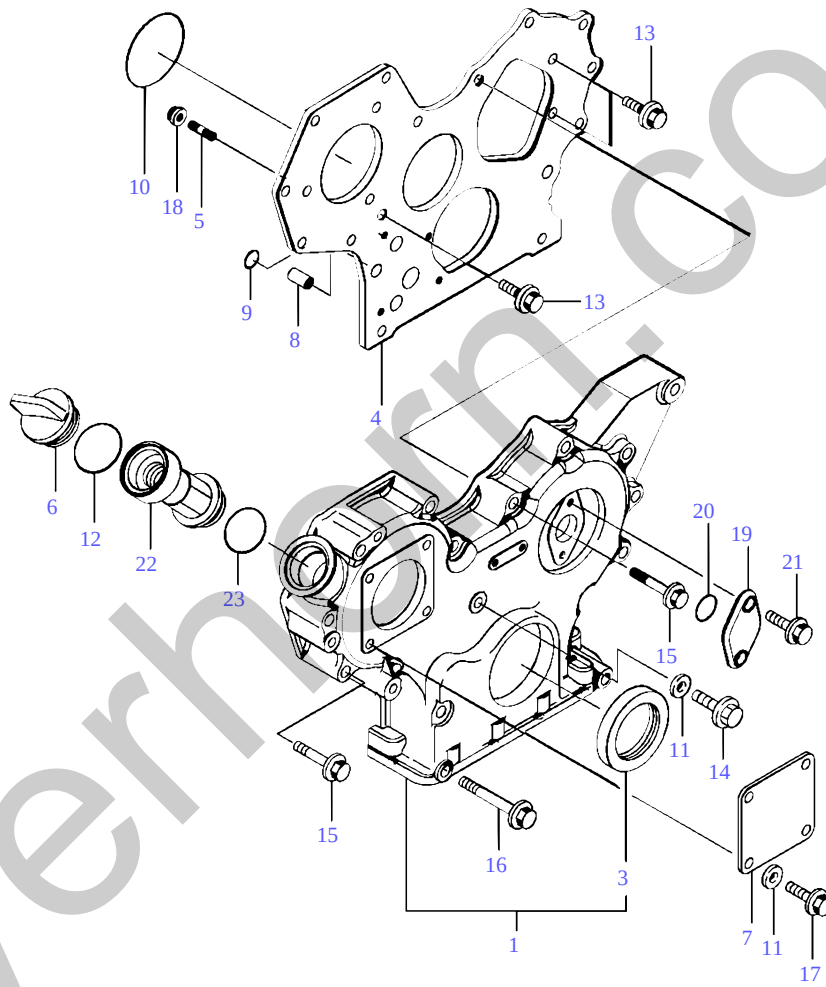
- (1) ホッシュヨウ フ ヒンテ ス.
- (2) アンダーサイズ (U.S=0.25) フ ヒンテ ス.
- (3) オーバーサイズ (O.S=0.25) フ ヒンテ ス.

Remarks

- (1) SPARE PARTS.
- (2) UNDER-SIZE (U.S=0.25) PART.
- (3) OVER-SIZE (O.S=0.25) PART.

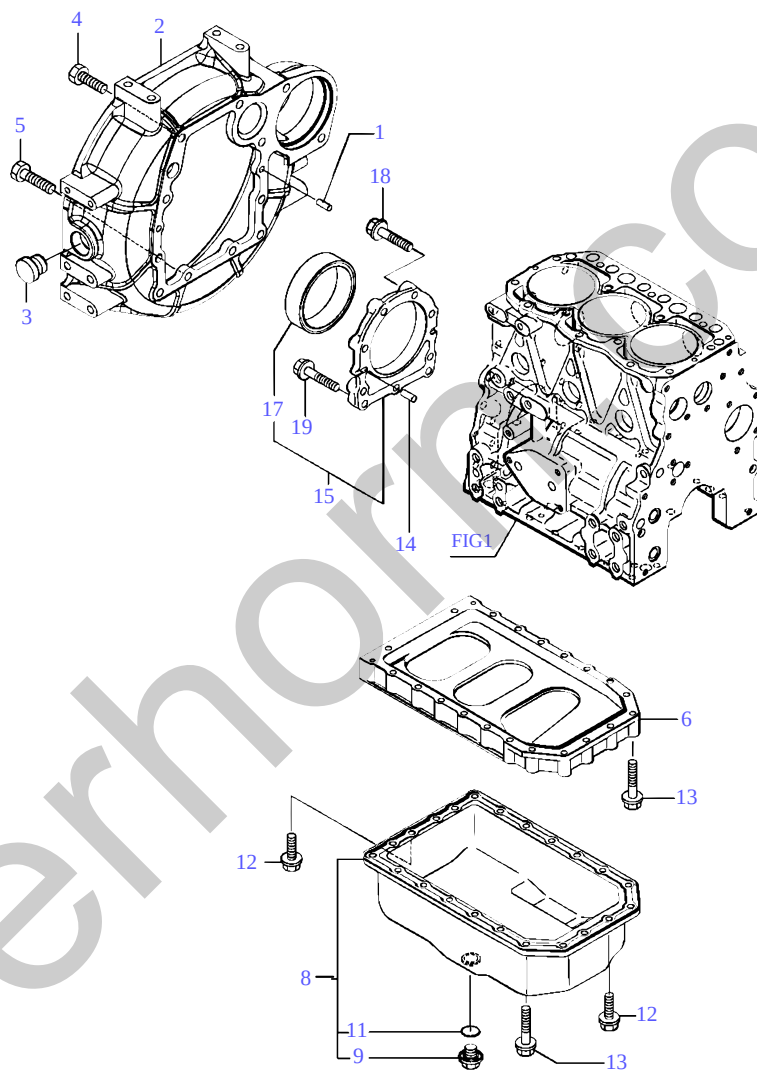
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CYLINDER BLOCK			
	.				
1	VV71980201560	·BLOCK ASSY, CYLINDER	1		
4	VV12406001050	··PLUG, PT1/8	1		
5	VV12900101250	··PLUG, 50	1		
6	VV12416001910	··PLUG, PT1/4	2		
7	VV12416001910	··PLUG, PT1/4	1		
8	VV17105101921	··PLUG, NPTF1	1		
9	VV11962002020	··BOLT, METAL CAP	8		
12	VV12979502412	··BUSH, CAMSHAFT	1		
13	VV27241120000	··PLUG, 12	2		
14	VV27241300000	··PLUG 30	6		
15	VV11971702930	··BEARING, THRUST	2		
27	VV11981001200	·BOLT, HEAD	14		
28	VV11981201330	·GASKET, HEAD	1		
29	VV71981002981	·BEARING, MAIN	4 (1)		
32	VV11981002871	·BEARING, 0.25 US	4 (2)		
35	VV11981002941	·BEARING, THRUST 0.25	2 (3)		
	.				
	.	Remarks			
	.	(1) SPARE PARTS.			
	.	(2) UNDER-SIZE (U.S=0.25) PART.			
	.	(3) OVER-SIZE (O.S=0.25) PART.			

ギヤケース・GEAR HOUSING



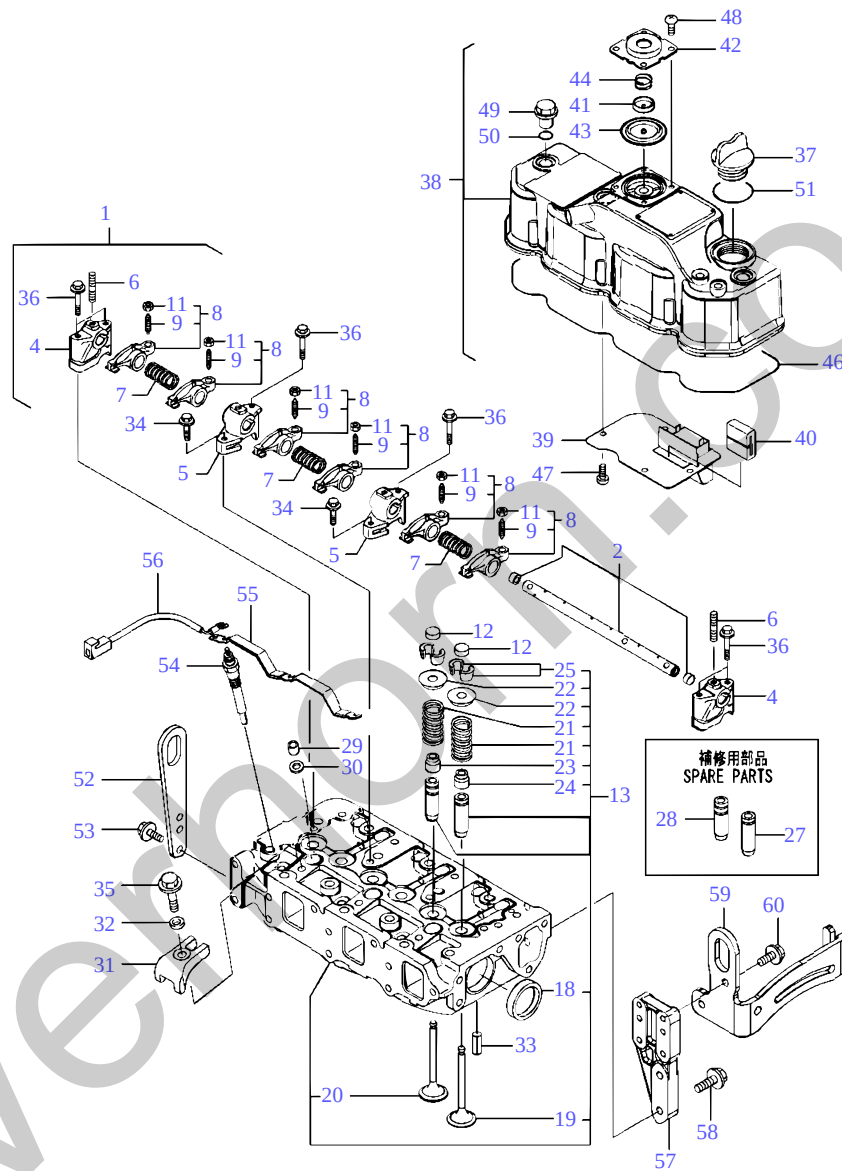
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GEAR HOUSING			
	.				
1	VV72963001500	-CASE ASSY, GEAR	1		
3	VV11993401800	-SEAL, OIL	1		
4	VV11980301520	-FLANGE, GEAR CASE	1		
5	VV11980201561	-STUD, M8X25	3		
6	VV12416001751	-COVER, FILLER	1		
7	VV12424001871	-COVER	1		
8	VV12979501950	-PIPE, KNOCK L=18	2		
9	VV11960932040	-O-RING, P16	2		
10	VV12185051960	-O-RING	1		
11	VV22190080002	-WASHER, SEAL 8	5		
12	VV24311000320	-O-RING, 1AP32.0	1		
13	VV26106080162	-BOLT, M8X 16 PLATED	3		
14	VV26106080302	-BOLT, M8X 30 PLATED	1		
15	VV26106080552	-BOLT, M8X 55 PLATED	12		
16	VV26106080852	-BOLT, M8X 85 PLATED	3		
17	VV26106080162	-BOLT, M8X 16 PLATED	4		
18	VV26306080002	-NUT, M8	3		
19	VV12102301551	-COVER	1		
20	VV24341000240	-O-RING, 1AS24.0	1		
21	VV26106060162	-BOLT, M6X 16 PLATED	2		
22	VV17103111741	-PIPE	1		
23	VV24311000320	-O-RING, 1AP32.0	1		

フライホイールハウジング & オイルパン - FLYWHEEL HOUSING & OIL SUMP



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FLYWHEEL HOUSING & OIL SUMP			
	.				
1	VV12910001580	-PIN, 8X16	2		
2	VV12961201600	-HOUSING, FLYWHEEL	1		
3	VV11962001750	-CAP	1		
4	VV26206100252	-BOLT, M10X 25 PLATED	6		
5	VV26206100302	-BOLT, M10X 30 PLATED	4		
6	VV11981001730	-SPACER, OIL SUMP	1		
8	VV11982301780	-SUMP ASSY, OIL	1		
9	VV12140001640	--PLUG, 16	1		
11	VV24311000180	--O-RING, 1AP18.0	1		
12	VV26106080162	-BOLT, M8X 16 PLATED	6		
13	VV26106080452	-BOLT, M8X 45 PLATED	22		
14	VV12910001580	-PIN, 8X16	2		
15	VV12910001640	-CASE ASSY, OIL SEAL	1		
17	VV12979501780	--SEAL, OIL	1		
18	VV12948601670	-BOLT, M8X30	6		
19	VV26106080352	-BOLT, M8X 35 PLATED	3		
	.				
FIG1	.				

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



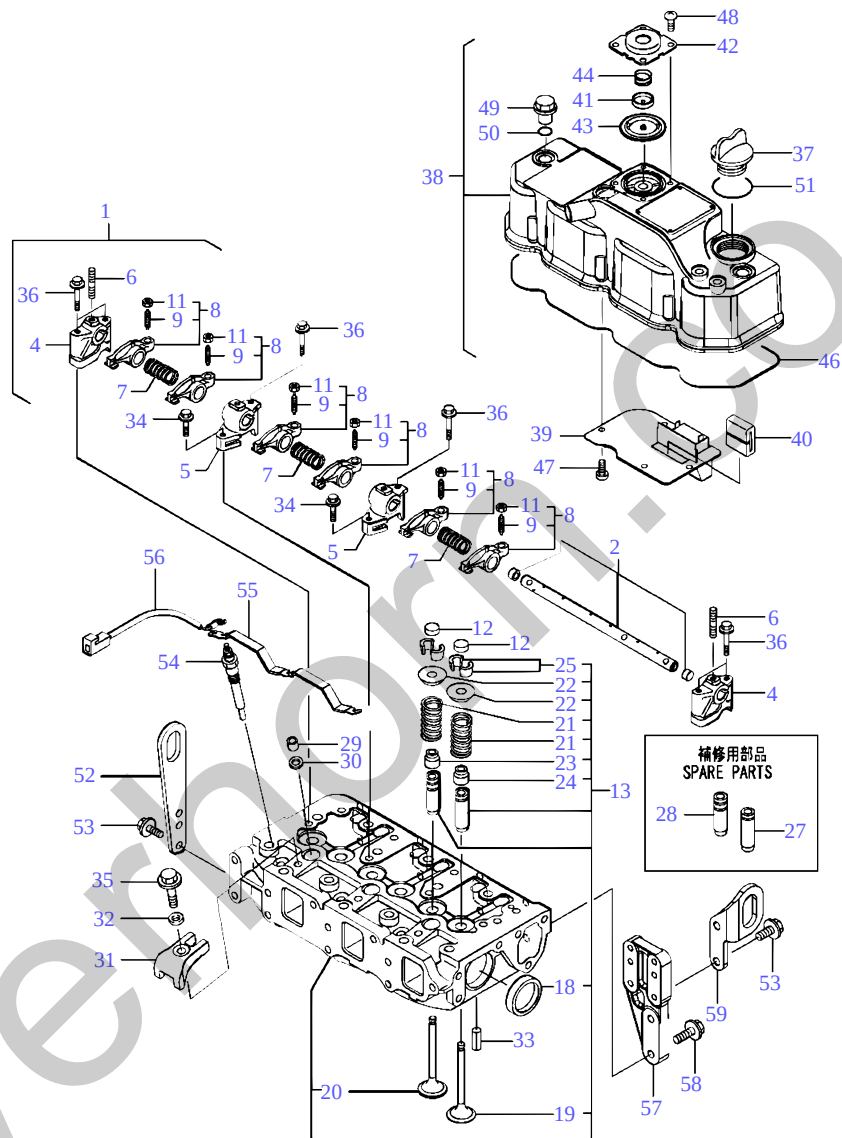
備考
(1) ホッシュヨウフ・ピンデ・ス。

Remarks
(1) SPARE PARTS.

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CYLINDER HEAD & BONNET			
1	VV11980211241	-SHAFT ASSY, ROCKER	1	BPYBD, C	
2	VV11980211251	--SHAFT, ROCKER ARM	1	BPYBD, C	
4	VV11980211260	--SUPPORT, ROCKER ARM	2	BPYBD, C	
5	VV11980211270	--SUPPORT, ROCKER ARM	2	BPYBD, C	
6	VV11980211280	--STUD	3	BPYBD, C	
7	VV12915011280	--SPRING	3	BPYBD, C	
8	VV11980211650	--ARM, ROCKER	6	BPYBD, C	
9	VV12915011230	---SCREW, VALVE ADJUST	6	BPYBD, C	
11	VV12915011750	---NUT, M8	6	BPYBD, C	
12	VV10421111370	-CAP, VALVE	6	BPYBD, C	
13	VV11980311700	-HEAD ASSY, CYLINDER	1	BPYBD, C	
18	VV27241400000	--PLUG, 40	2	BPYBD, C	
19	VV11980211100	--VALVE, INTAKE	3	BPYBD, C	
20	VV11980211110	--VALVE, EXHAUST	3	BPYBD, C	
21	VV11981011120	--SPRING, VALVE	6	BPYBD, C	
22	VV10421111180	--RETAINER, SPRING	6	BPYBD, C	
23	VV11980311340	--SEAL, VALVE STEM	3	BPYBD, C	
24	VV12416011340	--SEAL, VALVE STEM	3	BPYBD, C	
25	VV27310070001	--COTTER, 7	6	BPYBD, C	
27	VV12406011800	-GUIDE, VALVE	3	(1) BPYBD, C	
28	VV11980211810	-GUIDE, VALVE	3	(1) BPYBD, C	
29	VV11980211870	-PROTECTOR, NOZZLE	3	BPYBD, C	
30	VV11962511880	-SEAT, NOZZLE	3	BPYBD, C	
31	VV11980211900	-RETAINER, NOZZLE	3	BPYBD, C	
32	VV12027054410	-WASHER, INJECTOR	3	BPYBD, C	
33	VV22351060012	-PIN, SPRING 6.0X12	2	BPYBD, C	
34	VV26106080252	-BOLT, M8X 25 PLATED	2	BPYBD, C	
35	VV26106080452	-BOLT, M8X 45 PLATED	3	BPYBD, C	
36	VV26106080502	-BOLT, M8X 50 PLATED	6	BPYBD, C	
37	VV12416001751	-COVER, FILLER	1	BPYBD, C	
38	VV11980211350	-BONNET ASSY, HEAD	1	BPYBD, C	
39	VV11980203010	--PLATE	1	BPYBD, C	
40	VV12915003070	--BAFFLE, BREATHER	1	BPYBD, C	
41	VV11980203110	--PLATE	1	BPYBD, C	
42	VV11980203121	--COVER, DIAPHRAGM	1	BPYBD, C	
43	VV11980203130	--DIAPHRAGM	1	BPYBD, C	
44	VV11980203141	--SPRING, DIAPHRAGM	1	BPYBD, C	
46	VV11980211310	--GASKET, BONNET	1	BPYBD, C	
47	VV22857500100	--SCREW, 5X10	4	BPYBD, C	
48	VV22857500100	--SCREW, 5X10	4	BPYBD, C	
49	VV12416011360	-KNOB	3	BPYBD, C	
50	VV24311000120	-O-RING, 1AP12.0	3	BPYBD, C	
51	VV24311000320	-O-RING, 1AP32.0	1	BPYBD, C	
52	VV12990007900	-LIFTER	1	BPYBD, C	
53	VV26106080162	-BOLT, M8X 16 PLATED	2	BPYBD, C	

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
54	VV12900877800	-PLUG, GLOW	3	BPYBD, C	
55	VV11980377821	-CONNECTOR, GLOW PLUG	1	BPYBD, C	
56	VV11980377830	-HARNESS, WIRE	1	BPYBD, C	
57	VV129C0107910	-SPACER, LIFTER	1	BPYBD, C	
58	VV26106080252	-BOLT, M8X 25 PLATED	2	BPYBD, C	
59	VV11993577350	-ADJUSTER, BELT	1	BPYBD, C	
60	VV26106080162	-BOLT, M8X 16 PLATED	2	BPYBD, C	
	.				
	.	Remarks			
	.	(1) SPARE PARTS.			

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



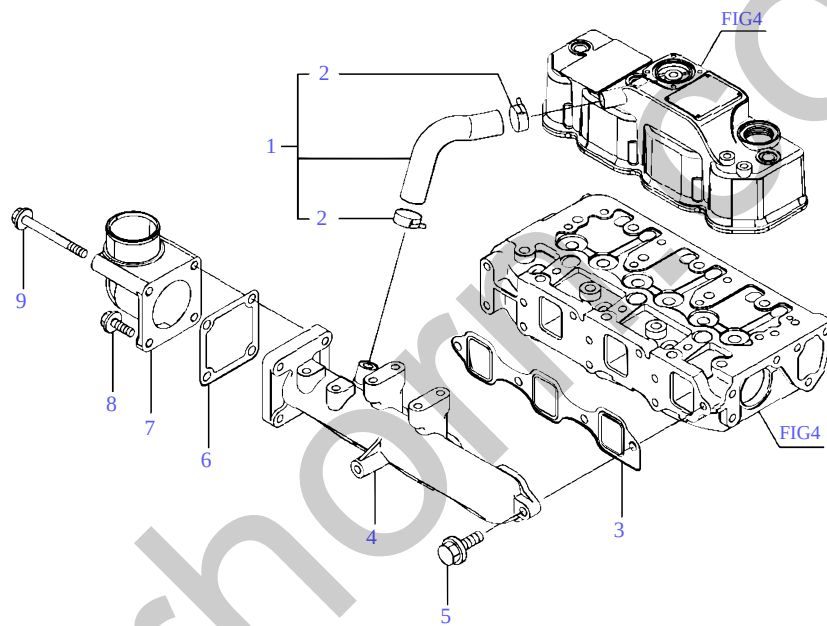
備考
(1) ホシウヨウ プ・ヒンデス.

Remarks
(1) SPARE PART.

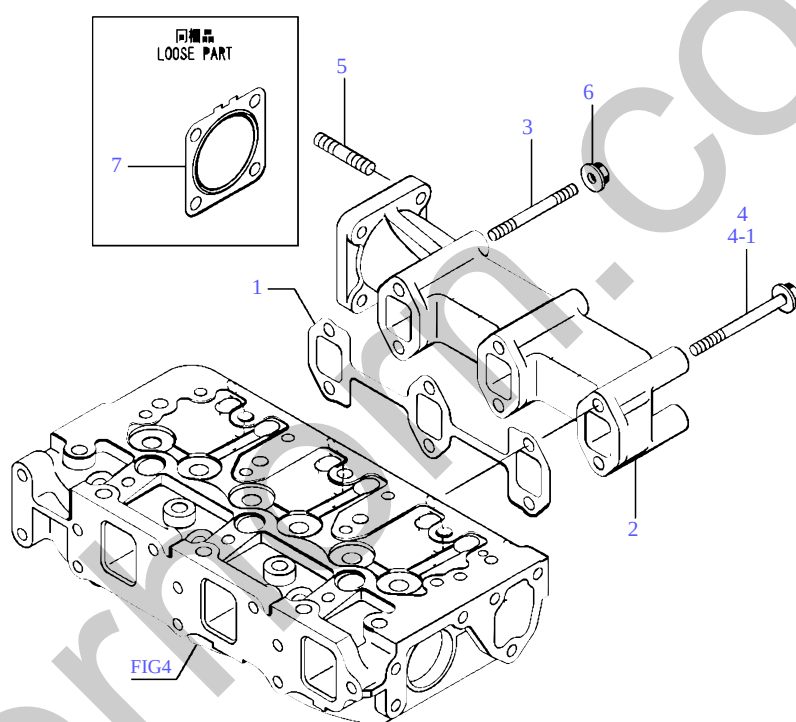
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CYLINDER HEAD & BONNET			
	.				
1	VV11980211241	-SHAFT ASSY, ROCKER	1	BPYBU	
2	VV11980211251	--SHAFT, ROCKER ARM	1	BPYBU	
4	VV11980211260	--SUPPORT, ROCKER ARM	2	BPYBU	
5	VV11980211270	--SUPPORT, ROCKER ARM	2	BPYBU	
6	VV11980211280	--STUD	3	BPYBU	
7	VV12915011280	--SPRING	3	BPYBU	
8	VV11980211650	--ARM, ROCKER	6	BPYBU	
9	VV12915011230	---SCREW, VALVE ADJUST	6	BPYBU	
11	VV12915011750	---NUT, M8	6	BPYBU	
12	VV10421111370	-CAP, VALVE	6	BPYBU	
13	VV11980311700	-HEAD ASSY, CYLINDER	1	BPYBU	
18	VV27241400000	--PLUG, 40	2	BPYBU	
19	VV11980211100	--VALVE, INTAKE	3	BPYBU	
20	VV11980211110	--VALVE, EXHAUST	3	BPYBU	
21	VV11981011120	--SPRING, VALVE	6	BPYBU	
22	VV10421111180	--RETAINER, SPRING	6	BPYBU	
23	VV11980311340	--SEAL, VALVE STEM	3	BPYBU	
24	VV12416011340	--SEAL, VALVE STEM	3	BPYBU	
25	VV27310070001	--COTTER, 7	6	BPYBU	
27	VV12406011800	-GUIDE, VALVE	3	(1) BPYBU	
28	VV11980211810	-GUIDE, VALVE	3	(1) BPYBU	
29	VV11980211870	-PROTECTOR, NOZZLE	3	BPYBU	
30	VV11962511880	-SEAT, NOZZLE	3	BPYBU	
31	VV11980211900	-RETAINER, NOZZLE	3	BPYBU	
32	VV12027054410	-WASHER, INJECTOR	3	BPYBU	
33	VV22351060012	-PIN, SPRING 6.0X12	2	BPYBU	
34	VV26106080252	-BOLT, M8X 25 PLATED	2	BPYBU	
35	VV26106080452	-BOLT, M8X 45 PLATED	3	BPYBU	
36	VV26106080502	-BOLT, M8X 50 PLATED	6	BPYBU	
37	VV12416001751	-COVER, FILLER	1	BPYBU	
38	VV11980211350	-BONNET ASSY, HEAD	1	BPYBU	
39	VV11980203010	--PLATE	1	BPYBU	
40	VV12915003070	--BAFFLE, BREATHER	1	BPYBU	
41	VV11980203110	--PLATE	1	BPYBU	
42	VV11980203121	--COVER, DIAPHRAGM	1	BPYBU	
43	VV11980203130	--DIAPHRAGM	1	BPYBU	
44	VV11980203141	--SPRING, DIAPHRAGM	1	BPYBU	
46	VV11980211310	--GASKET, BONNET	1	BPYBU	
47	VV22857500100	--SCREW, 5X10	4	BPYBU	
48	VV22857500100	--SCREW, 5X10	4	BPYBU	
49	VV12416011360	-KNOB	3	BPYBU	
50	VV24311000120	-O-RING, 1AP12.0	3	BPYBU	
51	VV24311000320	-O-RING, 1AP32.0	1	BPYBU	
52	VV12990007900	-LIFTER	1	BPYBU	
53	VV26106080162	-BOLT, M8X 16 PLATED	4	BPYBU	

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
54	VV12900877800	-PLUG, GLOW	3	BPYBU	
55	VV11980377821	-CONNECTOR, GLOW PLUG	1	BPYBU	
56	VV11980377830	-HARNESS, WIRE	1	BPYBU	
57	VV129C0107910	-SPACER, LIFTER	1	BPYBU	
58	VV26106080252	-BOLT, M8X 25 PLATED	2	BPYBU	
59	VV11971807900	-LIFTER	1	BPYBU	
.	.				
.	.	Remarks			
.	.	(1) SPARE PARTS.			

キョウキマニホルド ・ SUCTION MANIFOLD

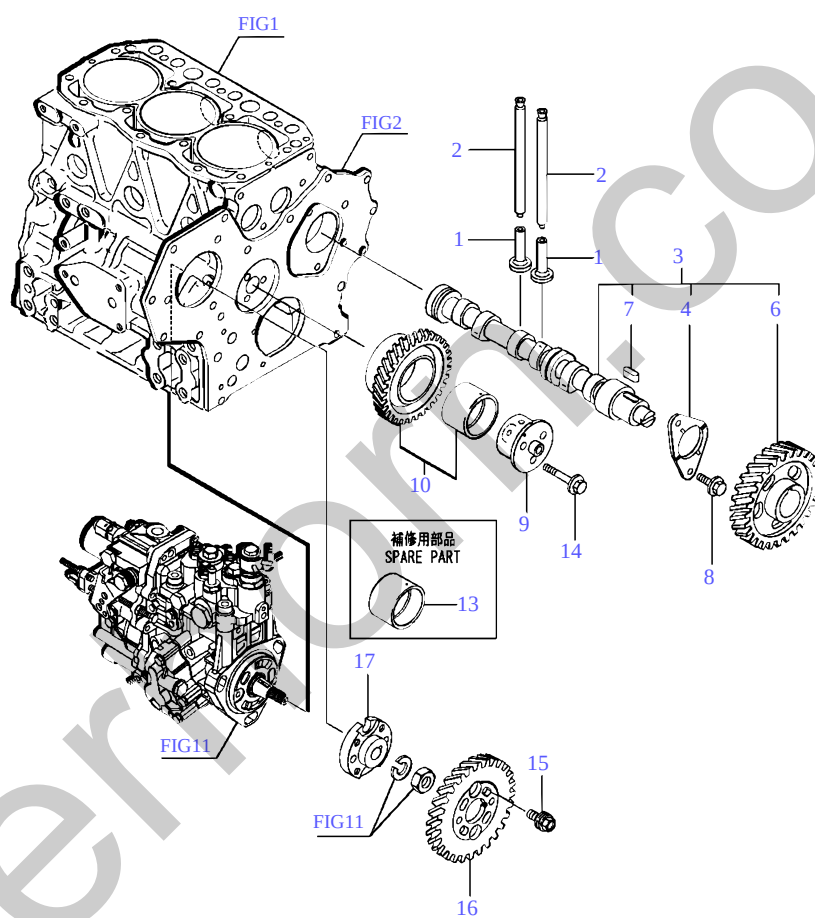


ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	SUCTION MANIFOLD			
	.				
1	VV11980203090	-PIPE , BREATHER	1		
2	VV12941003990	-CLIP, HOSE 21.5	2		
3	VV11981012112	-GASKET, MANIFOLD	1		
4	VV11980212130	-MANIFOLD, AIR INTAKE	1		
5	VV26106080252	-BOLT, M8X 25 PLATED	4		
6	VV12915077511	-GASKET	1		
7	VV11980377520	-BEND, AIR HEATER	1		
8	VV26106080202	-BOLT, M8X 20 PLATED	2		
9	VV26106080802	-BOLT, M8X 80 PLATED	2		
	.				
FIG4	.				



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	EXHAUST MANIFOLD			
	.				
1	VV11981013110	-GASKET	1		
2	VV11980213129	-MANIFOLD, EXHAUST	1		
3	VV12390013610	-STUD, M8X80	2		
4	VV12390013630	-BOLT, M8X80	4	BPYBD, C	
4-1	VV129E0013640	-BOLT, M8X80 10.9T	4		
5	VV11913118320	-STUD, M8X22	4		
6	VV26306080002	-NUT, M8	2		
7	VV12900413200	-GASKET, SILENCER	1		
	.				
FIG4	.				

カムシャフト&クランクギヤ・CAMSHAFT & DRIVING GEAR

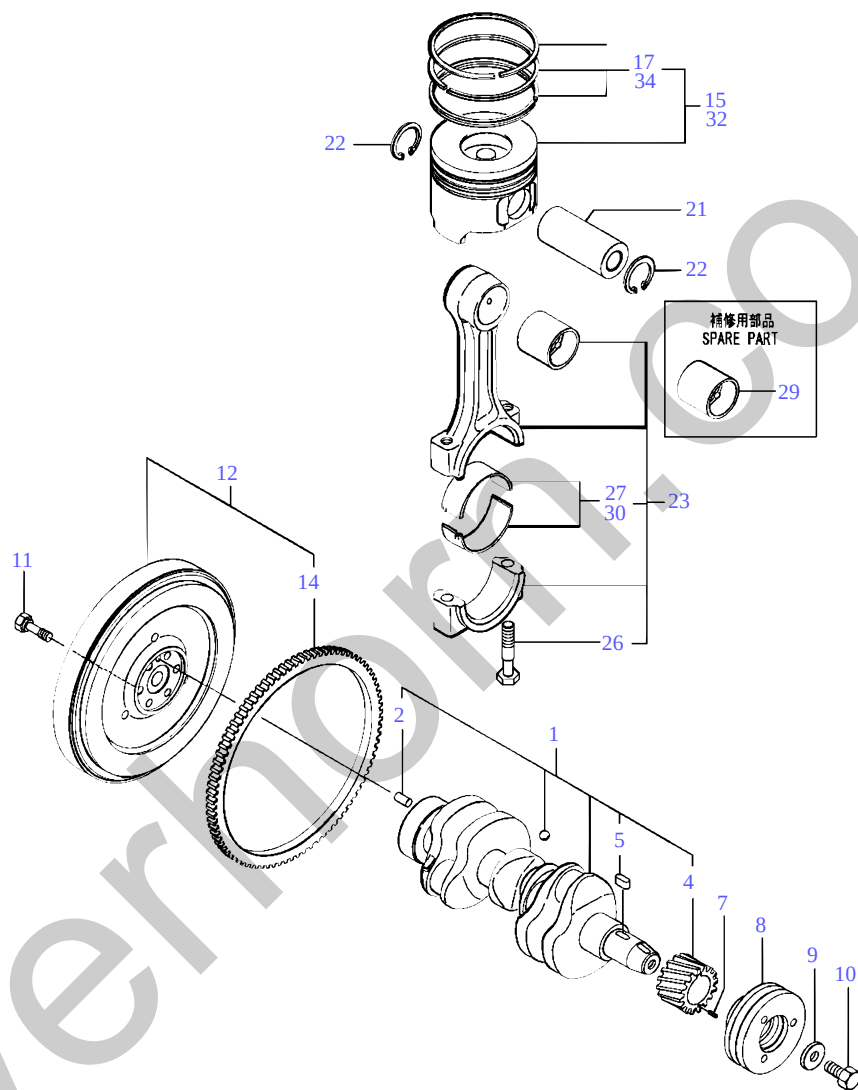


備考
(1) ホシウヨウ プリンテス。

Remarks
(1) SPARE PARTS.

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CAMSHAFT & DRIVING GEAR			
	.				
1	VV12915014200	-TAPPET	6		
2	VV11981014400	-ROD, PUSH	6		
3	VV11980214580	-CAMSHAFT ASSY	1		
4	VV12915002450	--BEARING, THRUST	1		
6	VV12915014101	--GEAR, CAMSHAFT	1		
7	VV22512070140	--KEY, 7X 14	1		
8	VV26106080142	-BOLT, M8X 14 PLATED	2		
9	VV11980325050	-SHAFT, IDLE	1		
10	VV11980225101	-GEAR ASSY, IDLE	1		
13	VV11980225071	-BUSH, IDLE GEAR	1	(1)	
14	VV26106080402	-BOLT, M8X 40 PLATED	3		
15	VV12915025301	-BOLT	4		
16	VV11980225901	-GEAR, PUMP	1		
17	VV15855251151	-FLANGE	1		
	.				
	.	Remarks			
	.	(1) SPARE PARTS.			
	.				
FIG1	.				
FIG2	.				
FIG11	.				

クランクシャフト&ピストン・CRANKSHAFT & PISTON



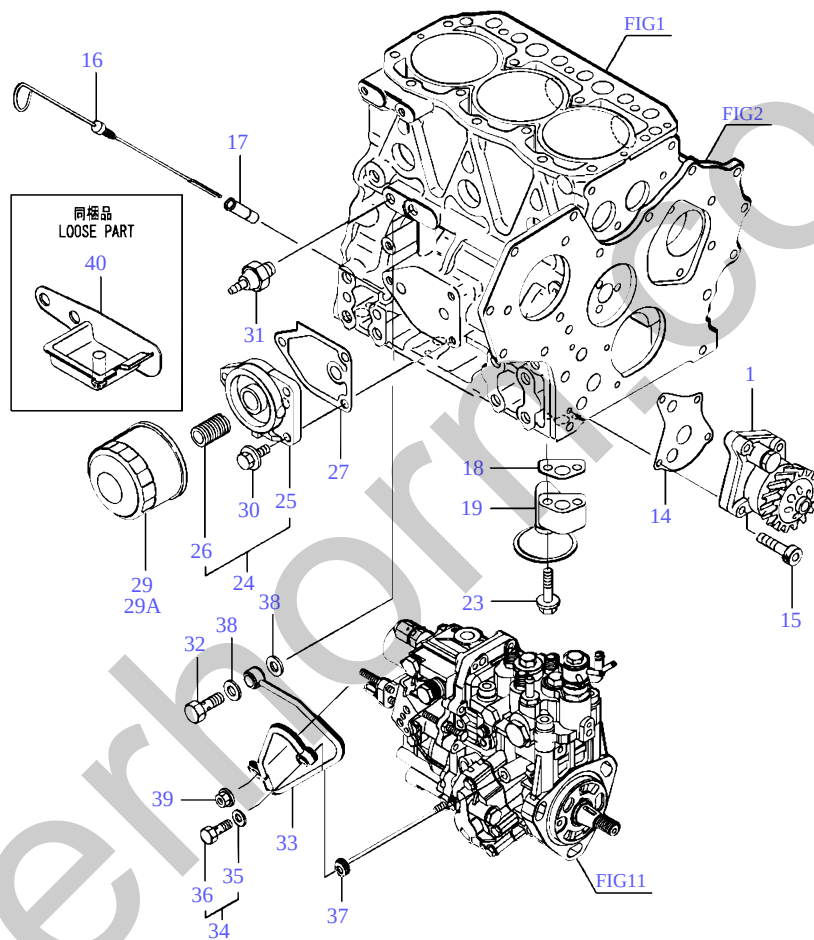
備考

- (1) ホシユウブ ヒンデ ス.
- (2) アンダ ーサイズ (U.S=0.25) ブ ヒンデ ス.
- (3) オーバ ーサイズ (O.S=0.25) ブ ヒンデ ス.

Remarks

- (1) SPARE PARTS.
- (2) UNDER-SIZE (U.S=0.25) PART.
- (3) OVER-SIZE (O.S=0.25) PART.

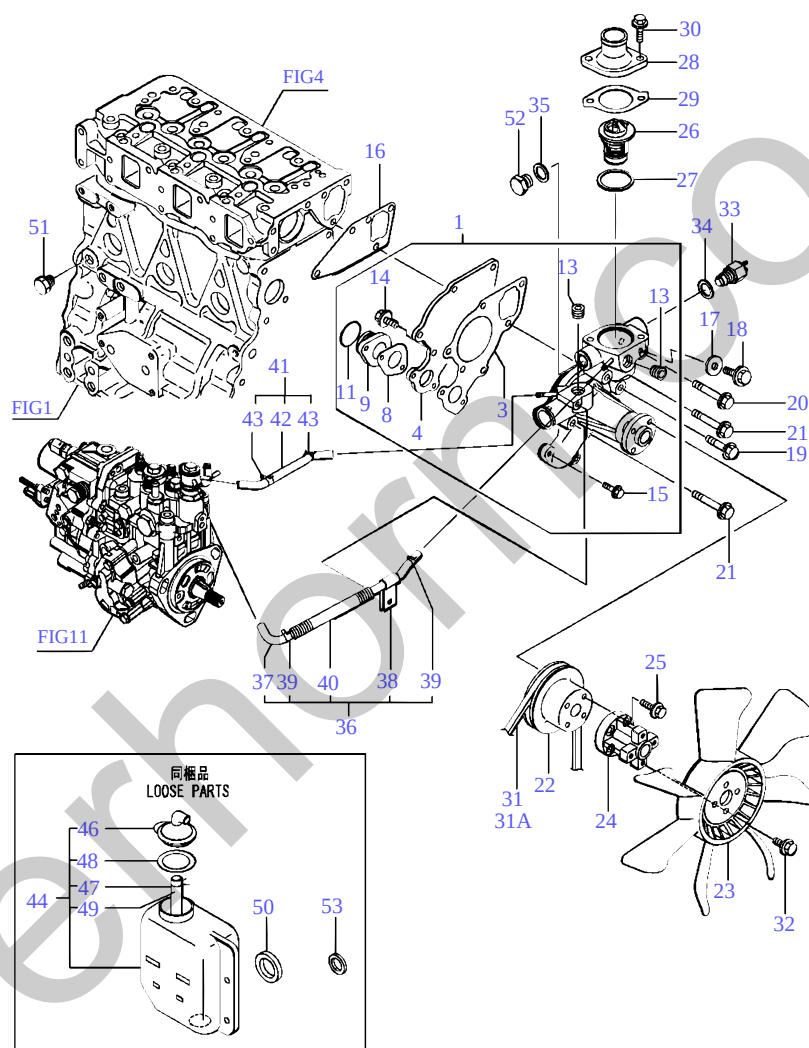
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	CRANKSHAFT & PISTON			
	.				
1	VV11980321000	-CRANKSHAFT ASSY	1		
2	VV12910001580	--PIN, 8X16	1		
4	VV11980321200	--GEAR, CRANKSHAFT	1		
5	VV22512070140	--KEY, 7X 14	1		
7	VV22351030010	-PIN, SPRING 3.0X10	1		
8	VV11980221650	-V-PULLEY, 110	1		
9	VV12979521661	-WASHER	1		
10	VV12185021680	-BOLT	1		
11	VV12111121501	-BOLT, FLYWHEEL	6		
12	VV12948921590	-FLYWHEEL ASSY	1		
14	VV11986521600	--GEAR, RING	1		
15	VV11980322080	-PISTON ASSY	3		
17	VV11980222500	--RING SET, PISTON	3		
21	VV11981322300	-PIN, PISTON	3		
22	VV12979222400	-CIRCLIP, 23	6		
23	VV71981023100	-ROD ASSY, CONNECTING	3		
26	VV11981023200	--BOLT, CONNECTING ROD	6		
27	VV11981023601	--BEARING, CRANK PIN	3		
29	VV11981023910	-BEARING, PISTON PIN	3	(1)	
30	VV11981023611	-BEARING, 0.25 US	3	(2)	
32	VV11980322900	-PISTON ASSY	3	(3)	
34	VV11980222950	--RING SET, 0.25 OS	3	(3)	
	.				
	.	Remarks			
	.	(1) SPARE PARTS.			
	.	(2) UNDER-SIZE (U.S=0.25) PART.			
	.	(3) OVER-SIZE (O.S=0.25) PART.			



備考
(1) ホンダ用フ・ヒンデス.

Remarks
(1) SPARE PARTS.

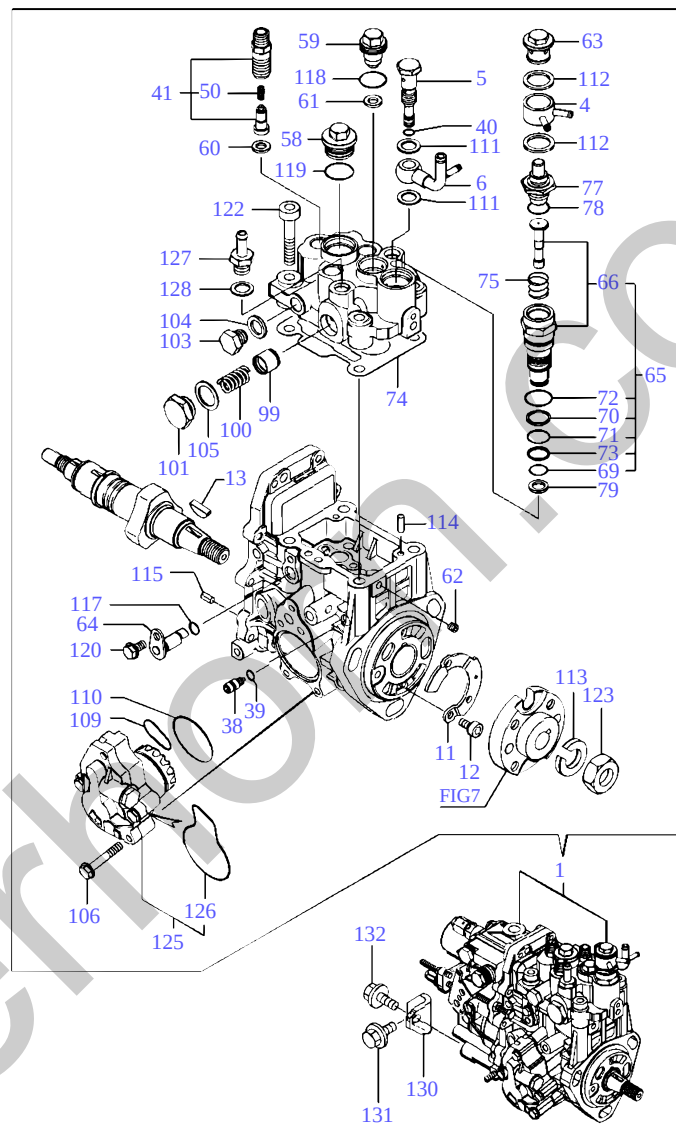
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	LUB.OIL SYSTEM			
	.				
1	VV12900132002	-PUMP ASSY, OIL	1		
14	VV12915032020	-GASKET, PUMP	1		
15	VV26450060252	-BOLT, M6X 25	4		
16	VV11980234802	-DIPSTICK, OIL	1		
17	VV12152034810	-GUIDE, DIPSTICK	1		
18	VV12915035042	-GASKET	1		
19	VV11981035300	-PIPE ASSY, OIL INLET	1		
23	VV26106080352	-BOLT, M8X 35 PLATED	2		
24	VV11980235100	-BRACKET ASSY, FILTER	1		
25	VV11980235110	--BRACKET, FILTER	1		
26	VV12910035140	--STUD	1		
27	VV12915035111	-GASKET	1		
29	VV12915035153	-FILTER	1	(1) BPYBD, U	
29A	VV11900535151	-FILTER, D80X100L	1	(1) BPYBC	
30	VV26106080202	-BOLT, M8X 20 PLATED	3		
31	VV11425039450	-SWITCH, 0.5KG	1		
32	VV12416039140	-BOLT, PIPE JOINT M10	1		
33	VV11980239450	-PIPE ASSY, OIL	1		
34	VV12900559830	-BOLT ASSY, JOINT M8	1		
35	VV22190080002	--WASHER, SEAL 8	1		
36	VV23857030000	--BOLT, JOINT 3	1		
37	VV22190080002	-WASHER, SEAL 8	1		
38	VV22190100002	-WASHER, SEAL 10	2		
39	VV26366060002	-NUT, M6	1		
40	VV11994035800	-OIL PAN	1		
	.				
	.	Remarks			
	.	(1) SPARE PARTS.			
	.				
FIG1	.				
FIG2	.				
FIG11	.				



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	COOLING WATER SYSTEM			
	.				
1	VV11980242001	-PUMP ASSY, WATER	1		
3	VV11981042051	--GASKET, WATER PUMP	1		
4	VV11981042120	--PLATE	1		
8	VV11981042281	--GASKET, WATER PUMP	1		
9	VV11981042290	--PIPE	1		
11	VV12905442320	--O-RING	1		
13	VV23876030000	--PLUG, R03	2		
14	VV26106060142	--BOLT, M6X 14 PLATED	2		
15	VV26106060202	--BOLT, M6X 20 PLATED	2		
16	VV12948642050	-GASKET, WATER PUMP	1		
17	VV23414080000	-GASKET, 8X1.0	1		
18	VV26106080122	-BOLT, M8X 12 PLATED	1		
19	VV26106080352	-BOLT, M8X 35 PLATED	1		
20	VV26106080502	-BOLT, M8X 50 PLATED	1		
21	VV26106080552	-BOLT, M8X 55 PLATED	2		
22	VV12955642350	-V-PULLEY, 96	1		
23	VV12126744741	-FAN, COOLING D=360	1		
24	VV11982344760	-SPACER, FAN	1		
25	VV26106060202	-BOLT, M6X 20 PLATED	4		
26	VV12915549801	-THERMOSTAT, 71	1		
27	VV12915049811	-GASKET, THERMOSTAT	1		
28	VV12935049530	-COVER, THERMOSTAT	1		
29	VV12979549551	-GASKET	1		
30	VV26106080222	-BOLT, M8X 22 PLATED	2		
31	VV12961242350	-V-BELT, A38	1	BPYBD, C	
31A	VV12961242380	-V-BELT, A38.5	1	BPYBU	
32	VV26106060122	-BOLT, M6X 12 PLATED	4		
33	VV12125044901	-SWITCH, 110	1		
34	VV12446544950	-GASKET, 16	1		
35	VV12446544950	-GASKET, 16	1		
36	VV11980249610	-PIPE ASSY, WATER	1		
37	VV11980249711	--PIPE ASSY, WATER	1		
38	VV11980249730	--RETAINER, PIPE	1		
39	VV12472259050	--CLIP, HOSE 9	2		
40	VV11980259320	--TUBE, CORRUGATED	1		
41	VV11980249620	-PIPE ASSY, WATER	1		
42	VV11980249721	--PIPE ASSY, WATER	1		
43	VV12472259050	--CLIP, HOSE 9	2		
44	VV12146844520	-TANK ASSY, SUB	1		
46	VV12145044531	--CAP	1		
47	VV12445044560	--RETAINER	1		
48	VV12147044581	--GASKET	1		
49	VV23065070130	--PIPE, 7X 130	1		
50	VV12915049360	-GASKET	1		
51	VV17105649120	-PLUG, DRAIN	1		

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
52	VV12145042450	-PLUG, M16	1		
53	VV124465-44950	-GASKET, 16	1		
	.				
FIG1	.				
FIG4	.				
FIG11	.				

F07ソシャポンプ・FUEL INJECTION PUMP



備考

(1) ミタノNo. 1 F07ソシャポンプニハ、
FIG. 12ガハナラフケミマス。

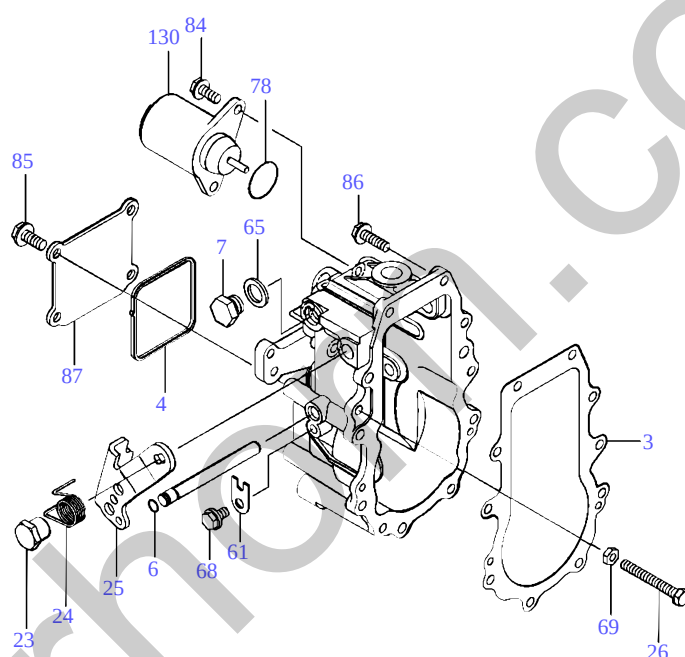
Remarks

(1) GOVERNOR (FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP (NO.1).

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL INJECTION PUMP			
	.				
1	VV71993551380	·PUMP ASSY, INJECTION	1	(1)	
4	VV15855351551	··JOINT	1		
5	VV15860151650	··JOINT, OVER FLOW	1		
6	VV15855251670	··JOINT, OVER FLOW	1		
11	VV12900851900	··COVER, GEAR CASE	1		
12	VV12900851920	··BOLT, M6X10	2		
13	VV11980251090	··KEY, 4X16	1		
38	VV15860051270	··STOPPER, TAPPET	1		
39	VV15856351281	··O-RING, 4D S6	1		
40	VV15856351281	··O-RING, 4D S6	1		
41	VV12900851390	··VALVE ASSY, DELIVERY	3		
50	VV15856351330	···SPRING, DELIVERY	3		
58	VV15860151550	··PLUG	1		
59	VV11980251560	··PLUG, BARREL	1		
60	VV15855251571	··GASKET	3		
61	VV15855251571	··GASKET	1		
62	VV15855751570	··PLUG	1		
63	VV15860151570	··PLUG	1		
64	VV15855251580	··LIFTER	1		
65	VV11980251590	··TIMER SET	1		
66	VV11980251600	···TIMER ASSY	1		
69	VV15855351670	···O-RING, 1011	1		
70	VV11980251680	···RING, BACK UP	1		
71	VV11980251690	···O-RING	1		
72	VV24356190200	···O-RING, 4D19020	1		
73	VV24372000150	···RING, BACK UP T2P15	1		
74	VV15855251600	··GASKET	1		
75	VV15855351630	··SPRING, TIMER	1		
77	VV15855351650	··ELEMENT	1		
78	VV15855351660	··O-RING, P14	1		
79	VV15855351680	··GASKET	1		
99	VV15860151770	··PISTON	1		
100	VV15855251781	··SPRING	1		
101	VV15860151790	··PLUG	1		
103	VV15855351930	··PLUG, M12	1		
104	VV22190120002	··WASHER, SEAL 12	1		
105	VV22190180002	··WASHER, SEAL 18	1		
106	VV15855351770	··BOLT	4		
109	VV15855252311	··O-RING	1		
110	VV15855252400	··O-RING, 4E S42	1		
111	VV22190120002	··WASHER, SEAL 12	2		
112	VV22190180002	··WASHER, SEAL 18	2		
113	VV22217140000	··WASHER, SPRING 14	1		
114	VV22312050140	··PIN, PARALLEL 5X14	2		
115	VV22351050010	··PIN, SPRING 5.0X10	2		

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
117	VV24311000070	--O-RING, 1AP7.0	1		
118	VV24356190180	--O-RING, 4D19018	1		
119	VV24356190200	--O-RING, 4D19020	1		
120	VV26106060102	--BOLT, M6X 10 PLATED	1		
122	VV26450080452	--BOLT, M8X 45	4		
123	VV26776140002	--NUT, LOCK M14	1		
125	VV15855252100	--PUMP ASSY, FUEL FEED	1		
126	VV15855252500	---O-RING	1		
127	VV11993459910	--JOINT, PIPE	1		
128	VV22190120002	--WASHER, SEAL 12	1		
130	VV11980251250	-RETAINER, PUMP	1		
131	VV26106080162	-BOLT, M8X 16 PLATED	1		
132	VV26106080202	-BOLT, M8X 20 PLATED	1		
	.				
	.	REMARKS			
	.	(1) GOVERNOR (FIG.12) IS INCORPORATED IN THIS FUEL INJECTION PUMP (REF.1).			
	.				
FIG7	.				

ガバナ・GOVERNOR

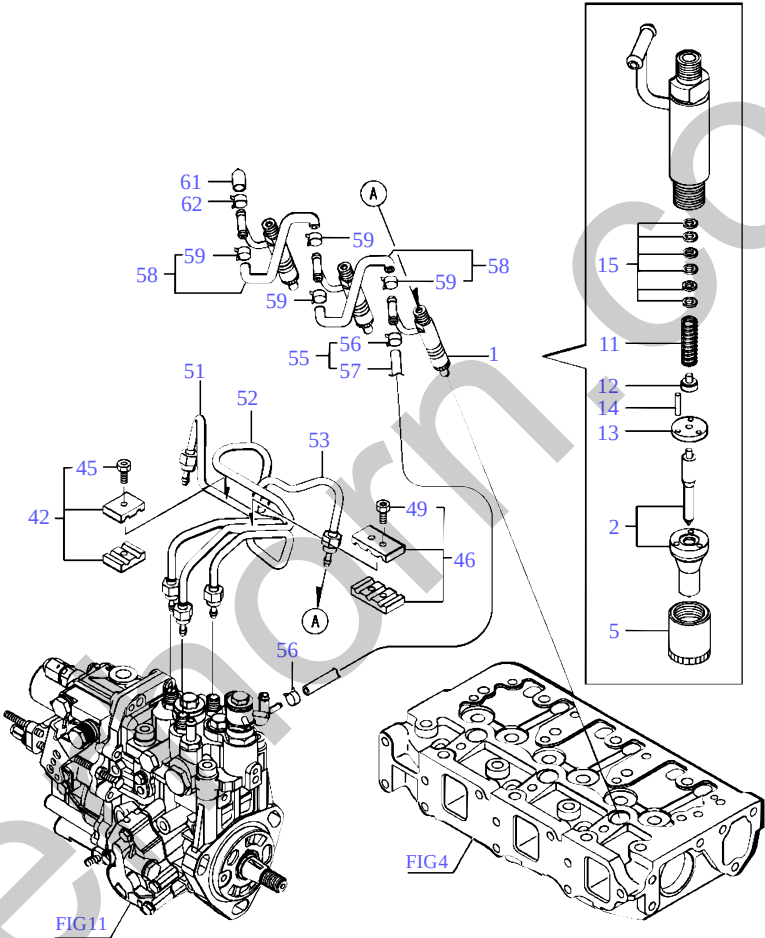


備考
*ホンコウモク(ガバナ)ハ、FIG. 11/
F077シヤボンプニツクマレマス。

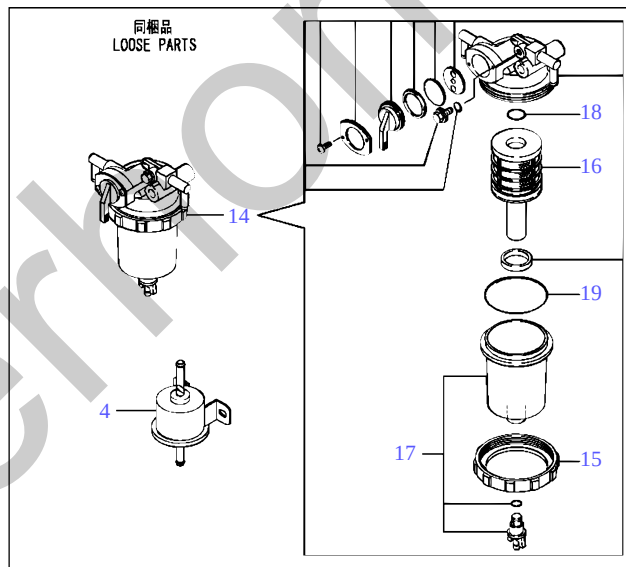
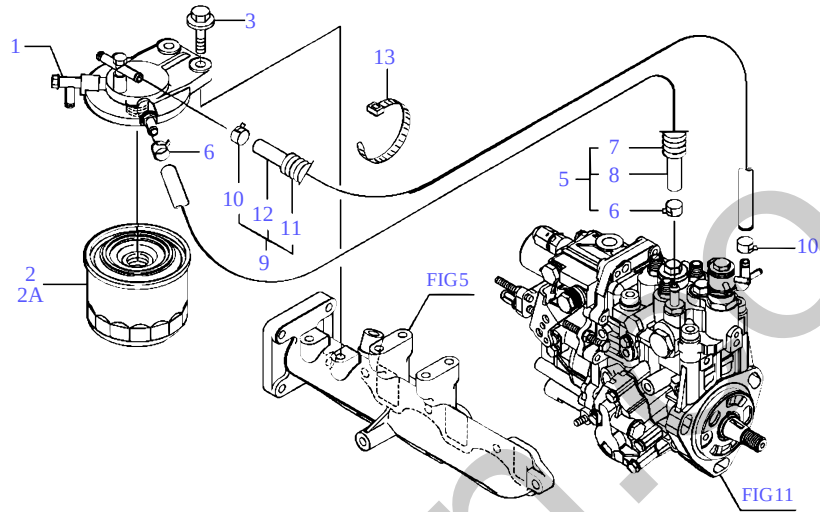
Remarks
*THIS FIGURE (GOVERNOR) IS
INCORPORATED IN THE FUEL
INJECTION PUMP (FIG.11).

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GOVERNOR			
	.				
3	VV15855361050	--GASKET	1		
4	VV15855361070	--GASKET	1		
6	VV12915551280	--O-RING, S6	1		
7	VV15855351930	--PLUG, M12	1		
23	VV12925561410	--NUT, LOCK	1		
24	VV11980761420	--SPRING, RETURN	1		
25	VV15855261441	--LEVER, REGULATOR	1		
26	VV12915561460	--BOLT, IDLE	1		
61	VV11966061901	--RETAINER, SHAFT	1		
65	VV22190120002	--WASHER, SEAL 12	1		
68	VV26106060102	--BOLT, M6X 10 PLATED	1		
69	VV26756060002	--NUT, LOCK M6	1		
78	VV15855261900	--O-RING	1		
84	VV26106060142	--BOLT, M6X 14 PLATED	2		
85	VV26106060142	--BOLT, M6X 14 PLATED	4		
86	VV26106060202	--BOLT, M6X 20 PLATED	10		
87	VV12964261060	--COVER, GOVERNOR CASE	1		
130	VV11923377932	--SOLENOID, STOP	1		
	.				
	.	Remarks			
	.	*THIS FIGURE (GOVERNOR) IS INCORPORATED IN THE FUEL INJECTION PUMP (FIG.11).			

F07ンシャベソ・FUEL INJECTION VALVE

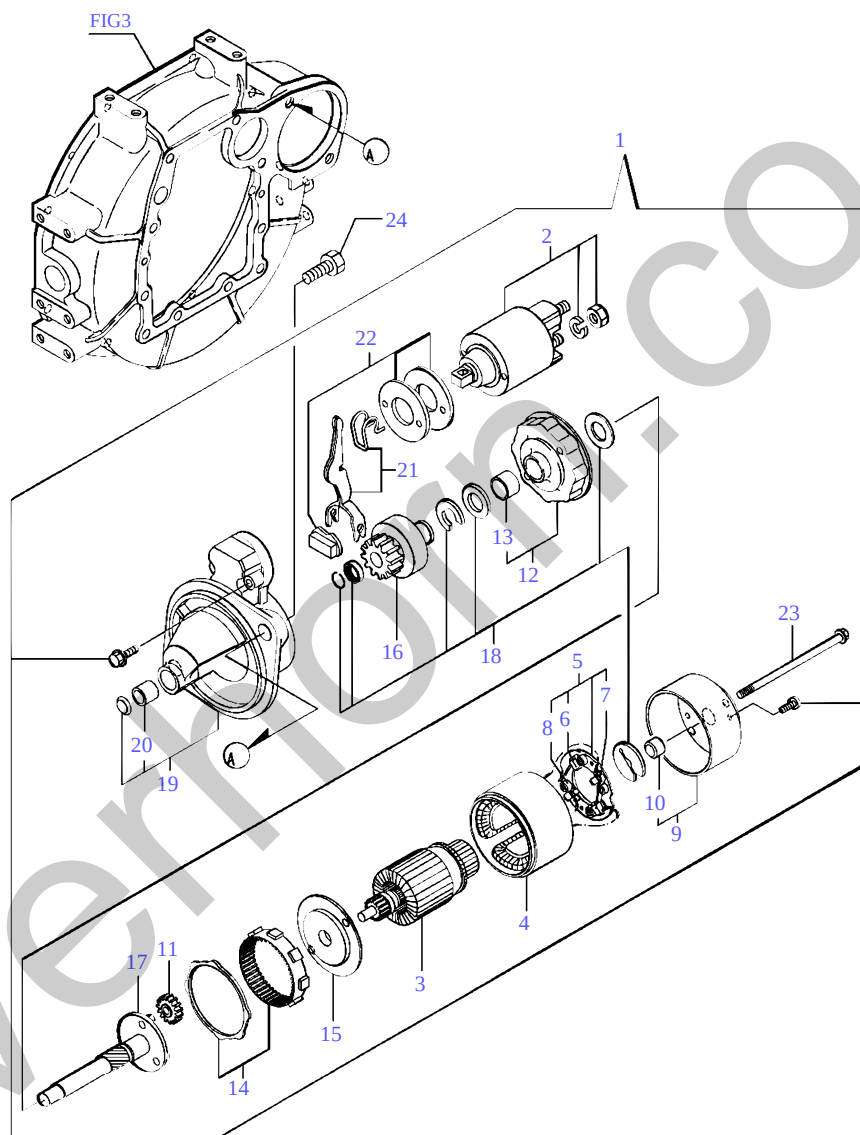


ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL INJECTION VALVE			
	.				
1	VV72924653200	-VALVE ASSY, INJECTION	3		
2	VV12924653001	--VALVE ASSY, INJECTION	3		
5	VV11425053080	--NUT, NOZZLE D16.95	3		
11	VV11425053120	--SPRING, NOZZLE	3		
12	VV11425053130	--SEAT, SPRING	3		
13	VV11425053140	--PLATE	3		
14	VV11425053210	--PIN	6		
15	VV11980353400	--SHIM SET	3		
42	VV11930559120	-RETAINER, PIPE	1		
45	VV12915059131	--BOLT, M4X14	1		
46	VV12915059120	-RETAINER, PIPE	1		
49	VV12915059131	--BOLT, M4X14	2		
51	VV11980359810	-PIPE ASSY, INJECTION	1		
52	VV11980359820	-PIPE ASSY, INJECTION	1		
53	VV11980359830	-PIPE ASSY, INJECTION	1		
55	VV11980259550	-PIPE ASSY, RETURN	1		
56	VV12472259050	--CLIP, HOSE 9	2		
57	VV11980259560	--PIPE, FUEL RETURN	1		
58	VV12948659551	-PIPE ASSY, RETURN	2		
59	VV12472259050	--CLIP, HOSE 9	4		
61	VV11959359581	-CAP	1		
62	VV12406077680	-CLIP, HOSE 10	1		
	.				
FIG4	.				
FIG11	.				



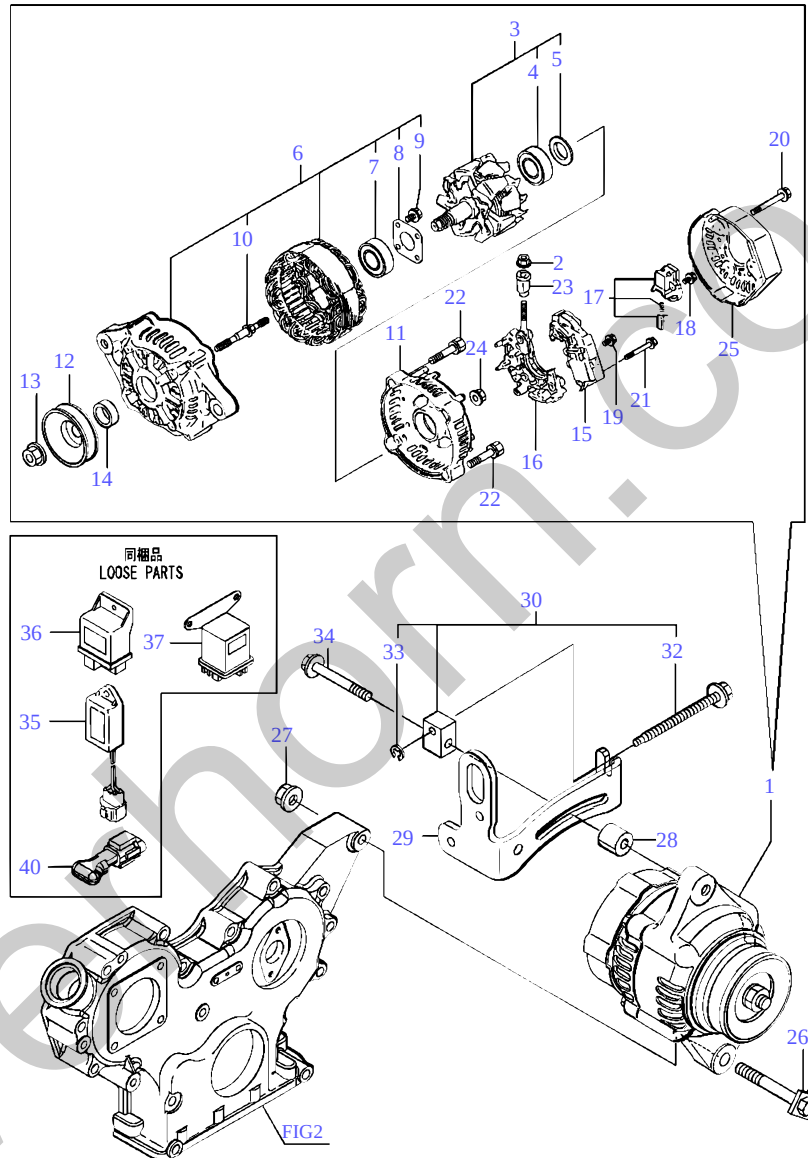
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	FUEL PIPE			
	.				
1	VV12900455612	·BRACKET, FILTER	1		
2	VV11980255801	·FILTER, FUEL	1	BPYBD, U	
2A	VV12900455801	·FILTER, FUEL	1	BPYBC	
3	VV26106080302	·BOLT, M8X 30 PLATED	2		
4	VV12961252100	·PUMP ASSY, FUEL FEED	1		
5	VV12904459010	·PIPE, D13/7.5X220	1		
6	VV12476659050	··CLIP, HOSE 11.5	2		
7	VV12904459100	··TUBE, CORRUGATED	1		
8	VV12904459510	··PIPE, FUEL 220	1		
9	VV12963059010	·PIPE ASSY, FUEL	1		
10	VV12476659050	··CLIP, HOSE 11.5	2		
11	VV12996159110	··TUBE, CORRUGATED	1		
12	VV10502559560	··PIPE, FUEL	1		
13	VV12175059890	·BAND, 140	1		
14	VV12990655711	·SEPARATOR ASSY	1		
15	VV12910055690	··RING, RETAINING	1		
16	VV11980255710	··ELEMENT	1		
17	VV11980255730	··CUP ASSY	1		
18	VV24311000160	··O-RING, 1AP16.0	1		
19	VV24321000650	··O-RING, 1AG65.0	1		
	.				
FIG5	.				
FIG11	.				

スターティングモータ・STARTING MOTOR



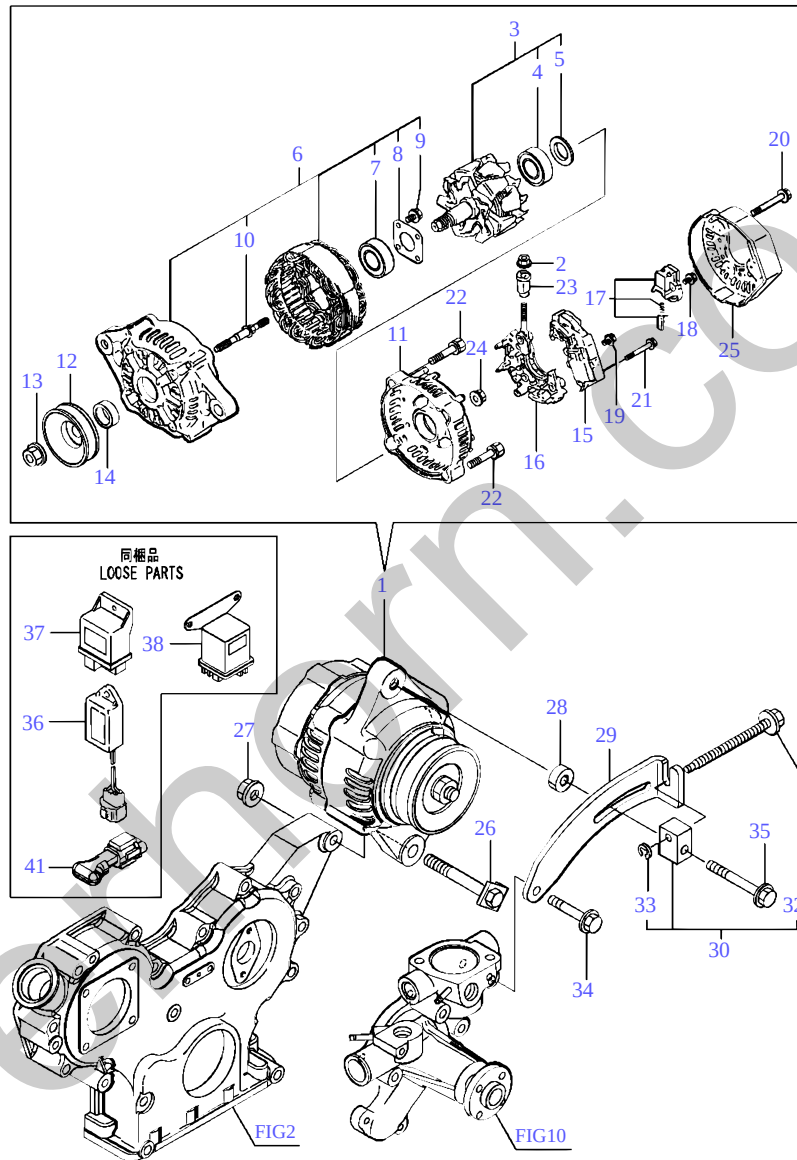
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	STARTING MOTOR			
	.				
1	VV12924277010	·STARTER, 1.7	1		
2	VV12969877020	··SWITCH ASSY	1		
3	VV12924277100	··ARMATURE ASSY	1		
4	VV12924277110	··YOKE ASSY	1		
5	VV12924277120	··HOLDER ASSY, BRUSH	1		
6	VV12924277130	···BRUSH	2		
7	VV12924277140	···BRUSH SET	1		
8	VV12924277150	···SPRING	4		
9	VV12924277160	··COVER ASSY	1		
10	VV12924277170	···METAL	1		
11	VV11840077170	··GEAR	3		
12	VV12924277180	··BRACKET	1		
13	VV12969877190	···BRACKET	1		
14	VV12969877200	··GEAR, INTERNAL	1		
15	VV12924277210	··BRACKET	1		
16	VV12969877220	··PINION ASSY	1		
17	VV12969877230	··SHAFT	1		
18	VV12969877250	··WASHER SET	1		
19	VV12924277260	··CASE ASSY	1		
20	VVX2114535200	···METAL, STARTER	1		
21	VV12924277270	··LEVER SET	1		
22	VV12924277280	··COVER ASSY, DUST	1		
23	VV12419577770	··BOLT, THROUGH	2		
24	VV26106120252	·BOLT, M12X 25 PLATED	2		
	.				
FIG3	.				

ジェネレータ・GENERATOR



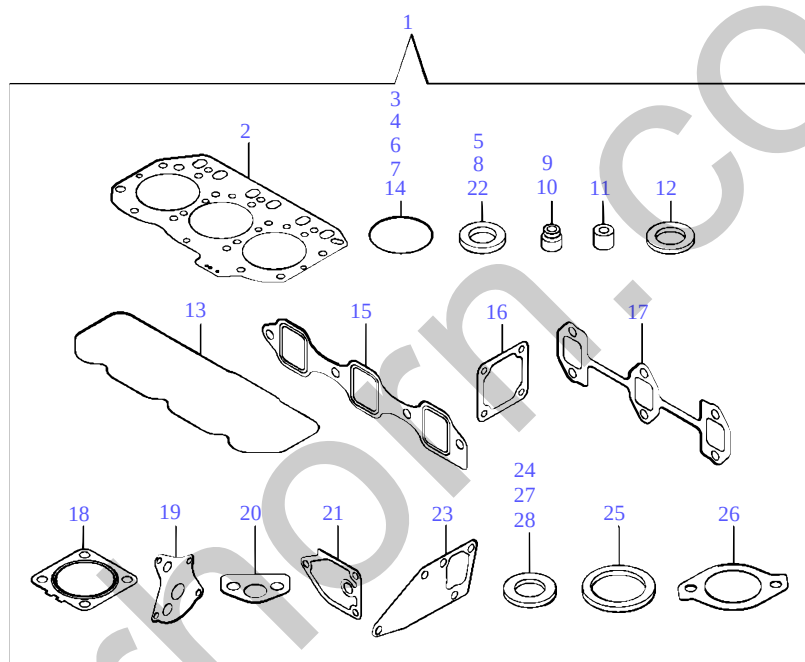
ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GENERATOR			
	.				
1	VV11962677210	-ALTERNATOR, 12V-55A	1	BPYBD, C	
2	VVX9490561001	--NUT	1	BPYBD, C	
3	VV12905277380	--ROTOR ASSY	1	BPYBD, C	
4	VV12350179240	---BEARING, BALL	1	BPYBD, C	
5	VV11962079250	---COVER	1	BPYBD, C	
6	VV12905277422	--FRAME ASSY	1	BPYBD, C	
7	VV11962079200	---BEARING, BALL	1	BPYBD, C	
8	VV11962079210	---PLATE, RETAINER	1	BPYBD, C	
9	VV11962079220	---SCREW	4	BPYBD, C	
10	VV11962079230	---STUD	2	BPYBD, C	
11	VV12840177440	--FRAME	1	BPYBD, C	
12	VV11962077461	--PULLEY	1	BPYBD, C	
13	VV11962077471	--NUT	1	BPYBD, C	
14	VV11962077490	--COLLAR	1	BPYBD, C	
15	VV12942377710	--REGULATOR ASSY	1	BPYBD, C	
16	VV12905279260	--HOLDER	1	BPYBD, C	
17	VV12905279270	--HOLDER, BRUSH	1	BPYBD, C	
18	VV11962079290	--SCREW	6	BPYBD, C	
19	VV11962079300	--SCREW	1	BPYBD, C	
20	VV11962079310	--BOLT	3	BPYBD, C	
21	VV11962079320	--SCREW	2	BPYBD, C	
22	VV11962079330	--BOLT	2	BPYBD, C	
23	VV11962079340	--BUSH, INSULATION	1	BPYBD, C	
24	VV11962079350	--NUT	2	BPYBD, C	
25	VV11962677450	--COVER	1	BPYBD, C	
26	VV11974077251	-BOLT, M10X80	1	BPYBD, C	
27	VV26306100002	-NUT, M10	1	BPYBD, C	
28	VV12473277340	-SPACER	1	BPYBD, C	
29	VV11993577350	-ADJUSTER, BELT	1	BPYBD, C	
30	VV12963077350	-BLOCK ASSY, ADJUSTER	1	BPYBD, C	
32	VV12963077380	--BOLT, M8X100	1	BPYBD, C	
33	VV22272000050	--RING, E- 5	1	BPYBD, C	
34	VV26106080652	-BOLT, M8X 65 PLATED	1	BPYBD, C	
35	VV12921177920	-TIMER	1	BPYBD, C	
36	VV11980277200	-RELAY, SAFETY	1	BPYBD, C	
37	VV11965077911	-RELAY ASSY, GLOW	1	BPYBD, C	
40	VV129C00-77300	-RESISTER MOLDE	1	BPYBD, C	
	.				
FIG2	.				

ジェネレータ・GENERATOR



ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GENERATOR			
	.				
1	VV11962677210	·ALTERNATOR, 12V-55A	1	BPYBU	
2	VVX9490561001	··NUT	1	BPYBU	
3	VV12905277380	··ROTOR ASSY	1	BPYBU	
4	VV12350179240	···BEARING, BALL	1	BPYBU	
5	VV11962079250	···COVER	1	BPYBU	
6	VV12905277422	··FRAME ASSY	1	BPYBU	
7	VV11962079200	···BEARING, BALL	1	BPYBU	
8	VV11962079210	···PLATE, RETAINER	1	BPYBU	
9	VV11962079220	···SCREW	4	BPYBU	
10	VV11962079230	···STUD	2	BPYBU	
11	VV12840177440	··FRAME	1	BPYBU	
12	VV11962077461	··PULLEY	1	BPYBU	
13	VV11962077471	··NUT	1	BPYBU	
14	VV11962077490	··COLLAR	1	BPYBU	
15	VV12942377710	··REGULATOR ASSY	1	BPYBU	
16	VV12905279260	··HOLDER	1	BPYBU	
17	VV12905279270	··HOLDER, BRUSH	1	BPYBU	
18	VV11962079290	··SCREW	6	BPYBU	
19	VV11962079300	··SCREW	1	BPYBU	
20	VV11962079310	··BOLT	3	BPYBU	
21	VV11962079320	··SCREW	2	BPYBU	
22	VV11962079330	··BOLT	2	BPYBU	
23	VV11962079340	··BUSH, INSULATION	1	BPYBU	
24	VV11962079350	··NUT	2	BPYBU	
25	VV11962677450	··COVER	1	BPYBU	
26	VV11974077251	·BOLT, M10X80	1	BPYBU	
27	VV26306100002	·NUT, M10	1	BPYBU	
28	VV11994077270	·SPACER, GENERATOR	1	BPYBU	
29	VV11993577360	·ADJUSTER, BELT	1	BPYBU	
30	VV12963077350	·BLOCK ASSY, ADJUSTER	1	BPYBU	
32	VV12963077380	··BOLT, M8X100	1	BPYBU	
33	VV22272000050	··RING, E- 5	1	BPYBU	
34	VV26106080452	·BOLT, M8X 45 PLATED	1	BPYBU	
35	VV26106080652	·BOLT, M8X 65 PLATED	1	BPYBU	
36	VV12921177920	·TIMER	1	BPYBU	
37	VV11980277200	·RELAY, SAFETY	1	BPYBU	
38	VV11965077911	·RELAY ASSY, GLOW	1	BPYBU	
41	VV129C0077300	·RESISTER MOLDE	1	BPYBU	
	.				
FIG2	.				
FIG10	.				

パッキンセット・GASKET SET



備考
(1) オプションパーツ。

Remarks
(1) OPTIONAL PART.

ITEM	PART NO.	PART NAME	QTY	Reference	APPLICABLE NO.
	.	GASKET SET			
	.				
1	VV71980292700	-GASKET SET	1	(1)	
2	VV11981201330	--GASKET, HEAD	1		
3	VV11960932040	--O-RING, P16	2		
4	VV12185051960	--O-RING	1		
5	VV22190080002	--WASHER, SEAL 8	7		
6	VV24311000320	--O-RING, 1AP32.0	2		
7	VV24341000240	--O-RING, 1AS24.0	1		
8	VV22190220002	--WASHER, SEAL 22	1		
9	VV11980311340	--SEAL, VALVE STEM	3		
10	VV12416011340	--SEAL, VALVE STEM	3		
11	VV11980211870	--PROTECTOR, NOZZLE	3		
12	VV11962511880	--SEAT, NOZZLE	3		
13	VV11980211310	--GASKET, BONNET	1		
14	VV24311000120	--O-RING, 1AP12.0	3		
15	VV11981012112	--GASKET, MANIFOLD	1		
16	VV12915077511	--GASKET	1		
17	VV11981013110	--GASKET	1		
18	VV12900413200	--GASKET, SILENCER	1		
19	VV12915032020	--GASKET, PUMP	1		
20	VV12915035042	--GASKET	1		
21	VV12915035111	--GASKET	1		
22	VV22190100002	--WASHER, SEAL 10	2		
23	VV12948642050	--GASKET, WATER PUMP	1		
24	VV23414080000	--GASKET, 8X1.0	1		
25	VV12915049811	--GASKET, THERMOSTAT	1		
26	VV12979549551	--GASKET	1		
27	VV12446544950	--GASKET, 16	2		
28	VV12915049360	--GASKET	1		
	.				
	.	Remarks			
	.	(1) OPTIONAL PART.			