

0CW10-M28100EN

PREFACE

1. This parts catalog is the 1st edition of 3TNV82A-BSDB for DOOSAN INFRACORE CO.,LTD.

Pub.No. : 000Y00W2810

Published : December, 2007

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-BSDB	Excavator	DOOSAN INFRACORE CO.,LTD.

Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

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

Remarks

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

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

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

Contents

Fig. No. Fig. Name

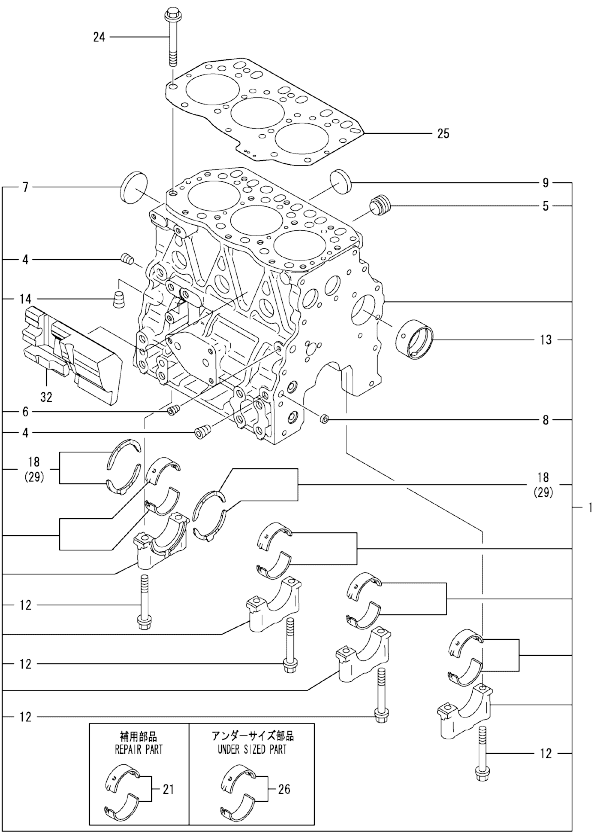
ENGINE SECTION (3TNV82A-BSDB)

- 1. CYLINDER BLOCK
- 2. GEAR HOUSING
- 3. FLYWHEEL HOUSING & OIL SUMP
- 4. CYLINDER HEAD & BONNET
- 5. SUCTION MANIFOLD
- 6. EXHAUST MANIFOLD & SILENCER
- 7. CAMSHAFT & DRIVING GEAR
- 8. CRANKSHAFT & PISTON
- 9. LUB.OIL SYSTEM
- 10. COOLING WATER SYSTEM
- 11. FUEL INJECTION PUMP
- 12. GOVERNOR
- 13. FUEL INJECTION VALVE
- 14. FUEL LINE
- 15. STARTING MOTOR
- 16. GENERATOR
- 17. GASKET SET

Fig. No. Fig. Name

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Fig.1. CYLINDER BLOCK

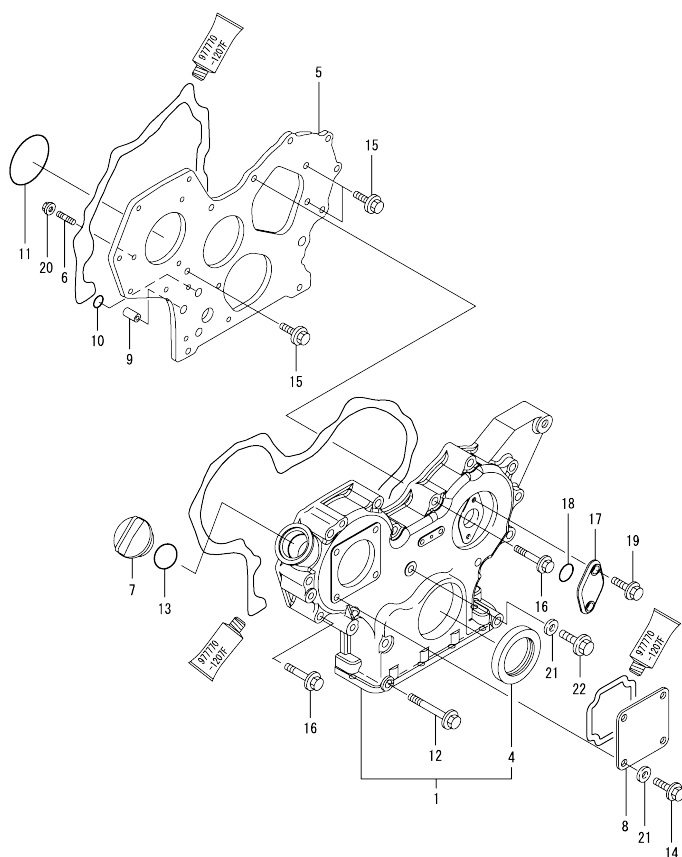


Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
4	2	124160-01910	PLUG, PT1/4	2							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	124060-01050	PLUG, PT1/8	1							
7	2	129001-01250	PLUG, 50	1							
8	2	27241-120000	PLUG, 12	2							
9	2	27241-300000	PLUG 30	6							
12	2	119620-02020	BOLT, METAL CAP	8							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	124160-01910	PLUG, PT1/4	1							
18	2	119810-02931	BEARING, THRUST	1							
21	1	719810-02981	BEARING, MAIN	4							3
24	1	119810-01200	BOLT, HEAD	14							
25	1	119812-01330	GASKET, HEAD	1							
26	1	119810-02871	BEARING, 0.25 US	4							1
29	1	119810-02941	BEARING, THRUST 0.25	2							2
32	1	119802-01190	SPACER	1							

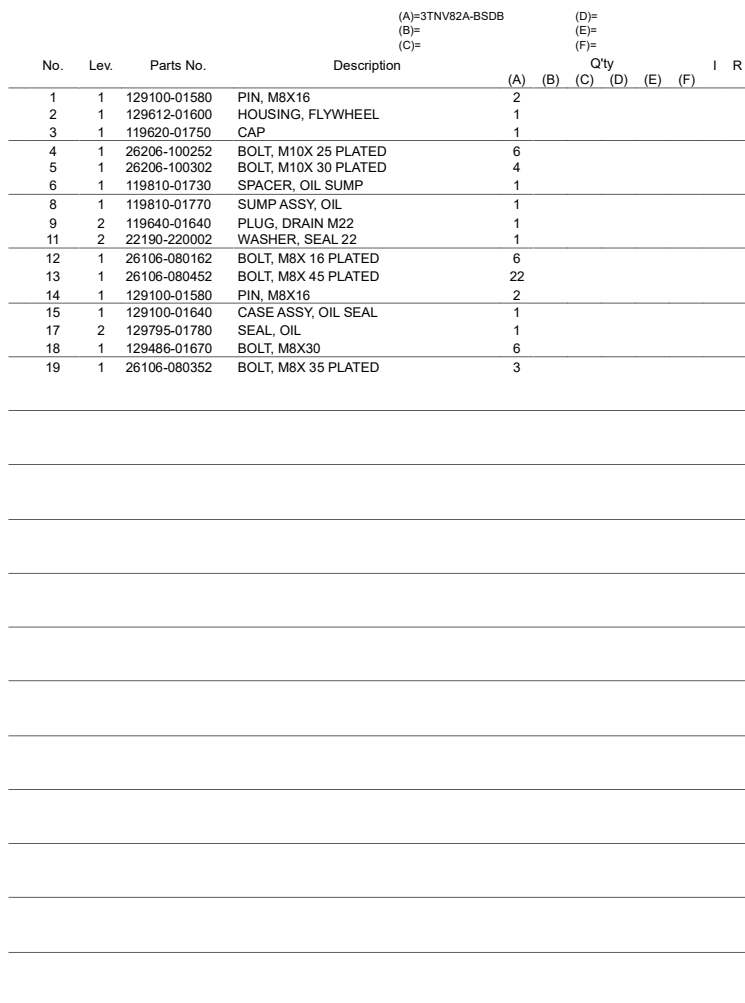
N:Old $\frac{N_{10}}{N_{10}}$ New, Q:Old $\frac{Q_{10}}{Q_{10}}$ New, R:Old $\frac{R_{10}}{R_{10}}$ New, S:Old $\frac{S_{10}}{S_{10}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING



				(A)=3TNV82A-BSDB (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729630-01500	CASE ASSY, GEAR	1							
4	2	119934-01800	SEAL, OIL	1							
5	1	119803-01520	FLANGE, GEAR CASE	1							
6	1	119802-01561	STUD, M8X25	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	119609-32040	O-RING, P16	2							
11	1	121850-51960	O-RING	1							
12	1	129001-91841	BOLT, M8X85	3							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	3							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	121023-01551	COVER	1							
18	1	24341-000240	O-RING, 1AS24.0	1							
19	1	26106-060162	BOLT, M6X 16 PLATED	2							
20	1	26306-080002	NUT, M8	3							
21	1	22190-080002	WASHER, SEAL 6	5							
22	1	26106-080302	BOLT, M8X 30 PLATED	1							

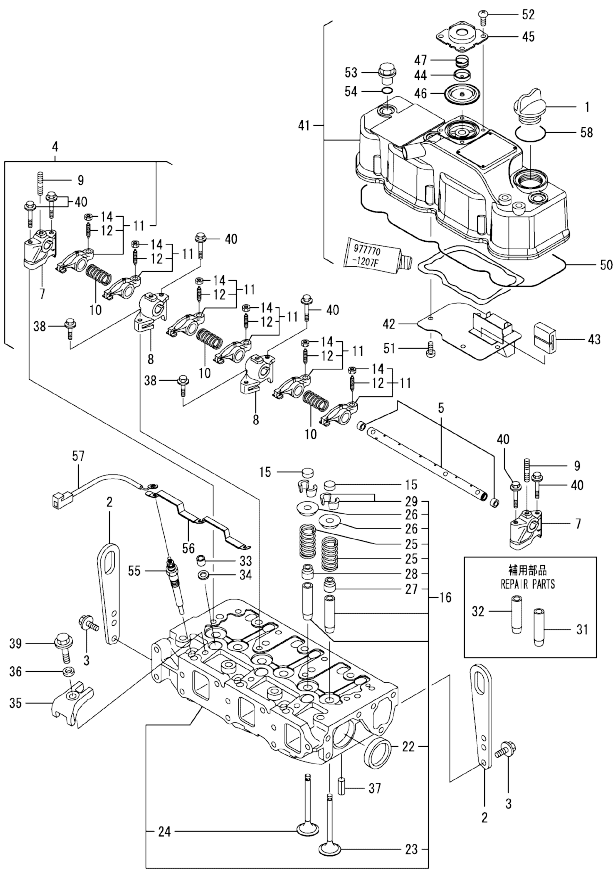
Fig.3. FLYWHEEL HOUSING & OIL SUMP



N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.4. CYLINDER HEAD & BONNET

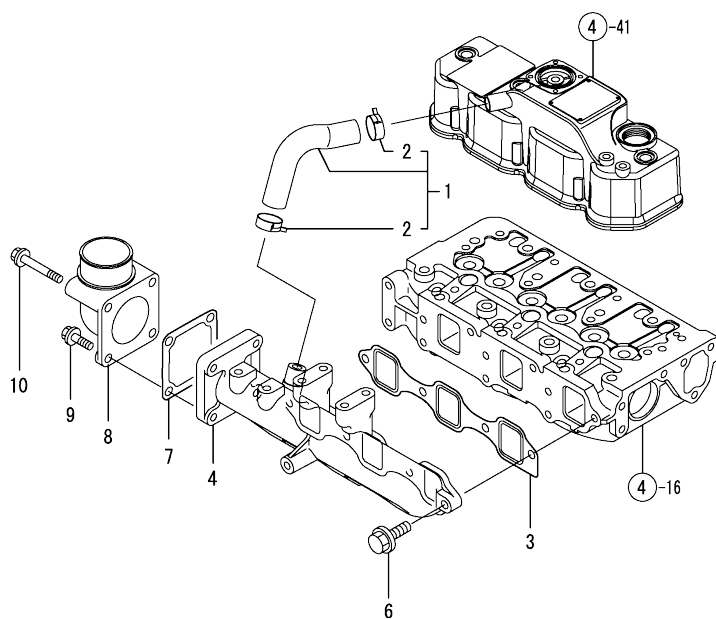


Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124160-01751	COVER, FILLER	1							
2	1	129900-07900	LIFTER	2							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	119802-11241	SHAFT ASSY, ROCKER	1							
5	2	119802-11251	SHAFT, ROCKER ARM	1							
7	2	119802-11260	SUPPORT, ROCKER ARM	2							
8	2	119802-11270	SUPPORT, ROCKER ARM	2							
9	2	119802-11280	STUD	3							
10	2	129150-11280	SPRING	3							
11	2	119802-11650	ARM, ROCKER	6							
12	3	129150-11230	SCREW, VALVE ADJUST	6							
14	3	129150-11750	NUT, M8	6							
15	1	104211-11370	CAP. VALVE	6							
16	1	119803-11700	HEAD ASSY, CYLINDER	1							
22	2	27241-400000	PLUG, 40	2							
23	2	119802-11100	VALVE, INTAKE	3							
24	2	119802-11110	VALVE, EXHAUST	3							
25	2	119810-11120	SPRING, VALVE	6							
26	2	104211-11180	RETAINER, SPRING	6							
27	2	124160-11340	SEAL, VALVE STEM	3							
28	2	119803-11340	SEAL, VALVE STEM	3							
29	2	27310-070001	COTTER, 7	6							
31	1	124060-11800	GUIDE, VALVE	3							1
32	1	119802-11810	GUIDE, VALVE	3							1
33	1	119802-11870	PROTECTOR, NOZZLE	3							
34	1	119625-11880	SEAT, NOZZLE	3							
35	1	119802-11900	RETAINER, NOZZLE	3							
36	1	120270-54410	WASHER, INJECTOR	3							
37	1	22351-060012	PIN, SPRING 6.0X12	2							
38	1	26106-080252	BOLT, M8X 25 PLATED	2							
39	1	26106-080452	BOLT, M8X 45 PLATED	3							
40	1	26106-080502	BOLT, M8X 50 PLATED	6							
41	1	119802-11350	BONNET ASSY, HEAD	1							
42	2	119802-03010	PLATE	1							
43	2	129150-03070	BAFFLE, BREATHER	1							
44	2	119802-03110	PLATE	1							
45	2	119802-03121	COVER, DIAPHRAGM	1							
46	2	119802-03130	DIAPHRAGM	1							
47	2	119802-03141	SPRING, DIAPHRAGM	1							
50	2	119802-11310	GASKET, BONNET	1							
51	2	22857-500100	SCREW, 5X10	4							
52	2	22857-500100	SCREW, 5X10	4							
53	1	124160-11360	KNOB	3							
54	1	24311-000120	O-RING, 1AP12.0	3							
55	1	129008-77800	PLUG, GLOW	3							
56	1	119803-77821	CONNECTOR, GLOW PLUG	1							
57	1	119803-77830	HARNESS, WIRE	1							
58	1	24311-000320	O-RING, 1AP32.0	1							

N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HQ}{100}$ New, R:Old $\frac{RBS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD

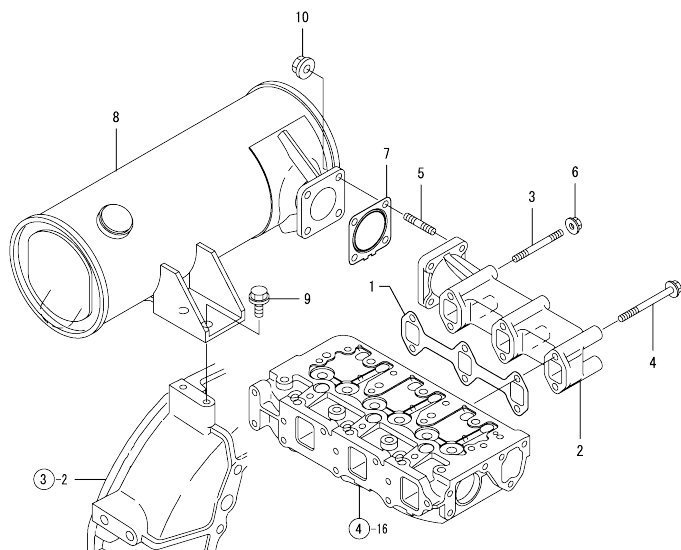


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-03090	PIPE , BREATHER	1							
2	2	129410-03990	CLIP	2							
3	1	119810-12112	GASKET, MANIFOLD	1							
4	1	119802-12130	MANIFOLD, AIR INTAKE	1							
6	1	26106-080252	BOLT, M8X 25 PLATED	4							
7	1	129150-77511	GASKET	1							
8	1	171340-77520	BEND	1							
9	1	26106-080252	BOLT, M8X 25 PLATED	2							
10	1	26106-080652	BOLT, M8X 65 PLATED	2							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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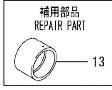
Fig.6. EXHAUST MANIFOLD & SILENCER



				(A)=3TNV82A-BSDB (B)= (C)=	(D)= (E)= (F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119810-13110	GASKET	1								
2	1	119802-13129	MANIFOLD, EXHAUST	1								
3	1	123900-13610	STUD, M8X80	2								
4	1	123900-13630	BOLT, M8X80	4								
5	1	119131-18320	STUD, M8X22	4								
6	1	26306-080002	NUT, M8	2								
7	1	129004-13200	GASKET, SILENCER	1								
8	1	129245-13550	SILENCER	1								
9	1	26106-100202	BOLT, M10X 20 PLATED	2								
10	1	26306-080002	NUT, M8	4								

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

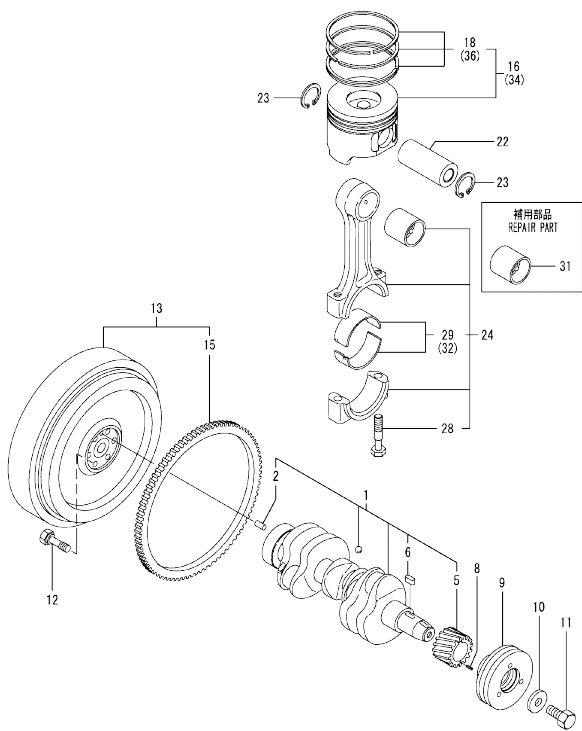
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N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

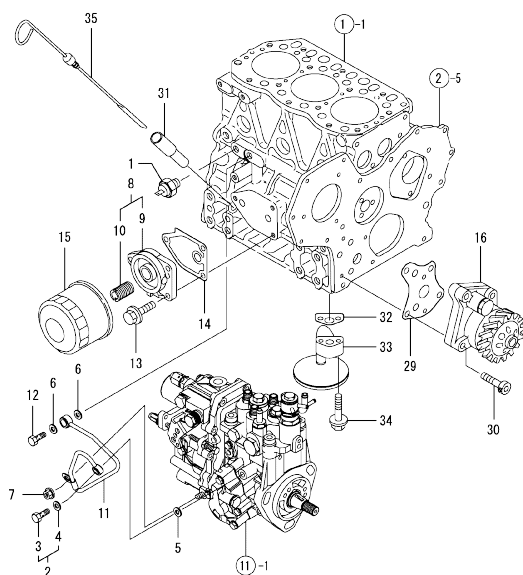
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Fig.8. CRANKSHAFT & PISTON



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119803-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119803-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	119802-21660	V-PULLEY, 120	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129489-21590	FLYWHEEL ASSY	1							
15	2	119865-21600	GEAR, RING	1							
16	1	119803-22080	PISTON ASSY	3							
18	2	119802-22500	RING SET, PISTON	3							
22	1	119813-22300	PIN, PISTON	3							
23	1	129792-22400	CIRCLIP, 23	6							
24	1	719810-23100	ROD ASSY, CONNECTING	3							1
28	2	119810-23200	BOLT, CONNECTING ROD	6							2
29	2	119810-23601	BEARING, CRANK PIN	3							3
31	1	119810-23910	BEARING, PISTON PIN	3							
32	1	119810-23611	BEARING, 0.25 US	3							
34	1	719803-22900	PISTON ASSY, 0.25 OS	3							3
36	2	719802-22950	RING SET, 0.25 OS	3							3



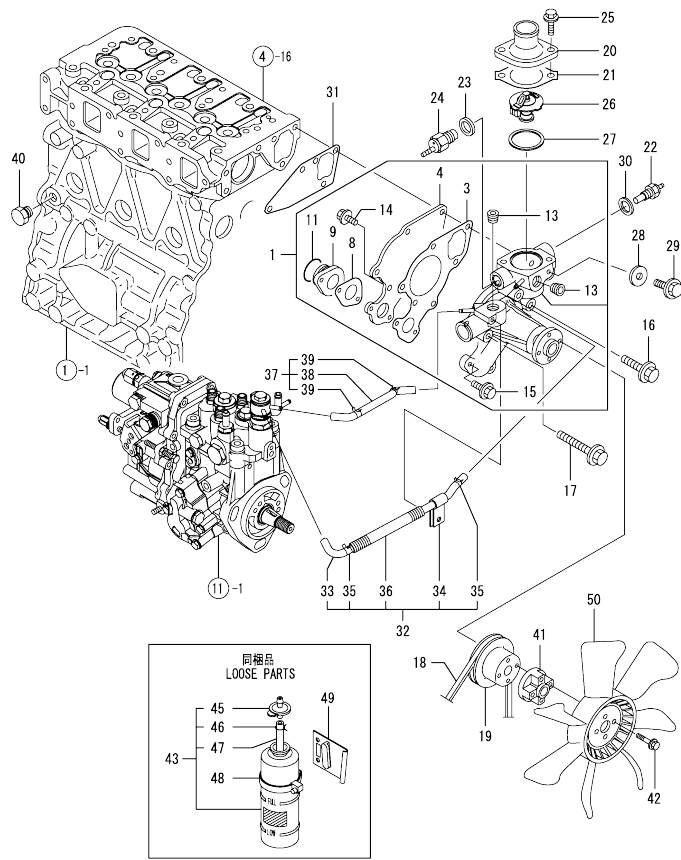
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119761-39450	SWITCH, 0.5KG	1							
2	1	129005-59830	BOLT ASSY, JOINT M8	1							
3	2	23857-030000	BOLT, JOINT 3	1							
4	2	22190-080002	WASHER, SEAL 6	1							
5	1	22190-080002	WASHER, SEAL 6	1							
6	1	22190-100002	WASHER, SEAL 10	2							
7	1	26366-060002	NUT, M6	1							
8	1	119802-35100	BRACKET ASSY, FILTER	1							
9	2	119802-35110	BRACKET, FILTER	1							
10	2	129100-35140	STUD	1							
11	1	119802-39450	PIPE ASSY, OIL	1							
12	1	124160-39140	BOLT, PIPE JOINT M10	1							
13	1	26106-080202	BOLT, M8X 20 PLATED	3							
14	1	129150-35111	GASKET	1							
15	1	129150-35153	FILTER	1							
16	1	129001-32001	PUMP ASSY, OIL	1							
29	1	129150-32020	GASKET, PUMP	1							
30	1	26450-060252	BOLT, M6X 25	4							
31	1	121520-34810	GUIDE, DIPSTICK	1							
32	1	129150-35042	GASKET	1							
33	1	119810-35300	PIPE ASSY, OIL INLET	1							
34	1	26106-080352	BOLT, M8X 35 PLATED	2							
35	1	119802-34802	DIPSTICK, OIL	1							

Remarks
(1) REPAIR PART.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.10. COOLING WATER SYSTEM

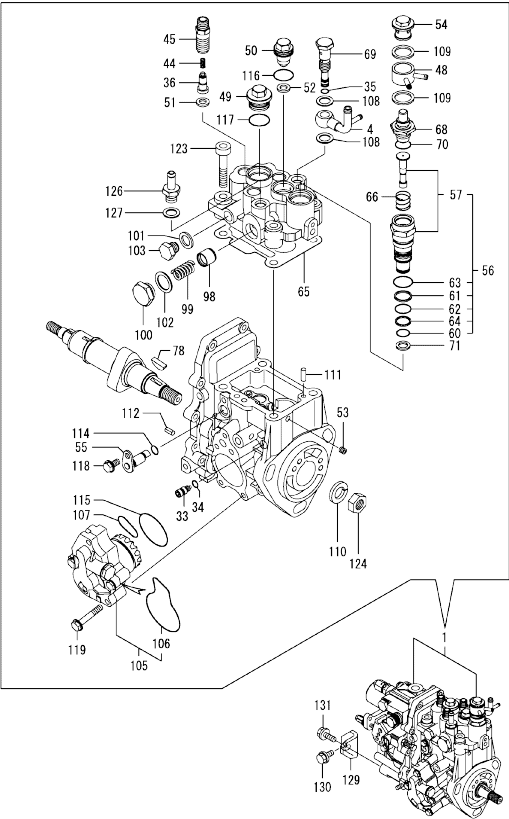


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42001	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE	1							
11	2	129054-42320	O-RING	1							
13	2	23876-030000	PLUG, R03	2							
14	2	26106-060142	BOLT, M6X 14 PLATED	2							
15	2	26106-060202	BOLT, M6X 20 PLATED	2							
16	1	26106-080352	BOLT, M8X 35 PLATED	1							
17	1	26106-080552	BOLT, M8X 55 PLATED	3							
18	1	129612-42370	V-BELT, A39.5	1							
19	1	129403-42380	V-PULLEY, D=110	1							
20	1	129350-49530	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	124250-49351	SENSOR	1							
23	1	129150-49360	GASKET	1							
24	1	121250-44901	SWITCH, 110	1							
25	1	26106-080222	BOLT, M8X 22 PLATED	2							
26	1	129155-49801	THERMOSTAT, 71	1							
27	1	129150-49811	GASKET, THERMOSTAT	1							
28	1	23414-080000	GASKET, 8X1.0	1							
29	1	26106-080122	BOLT, M8X 12 PLATED	1							
30	1	124465-44950	GASKET, 16	1							
31	1	129486-42050	GASKET, WATER PUMP	1							
32	1	119802-49610	PIPE ASSY, WATER	1							
33	2	119802-49711	PIPE ASSY, WATER	1							
34	2	119802-49730	RETAINER, PIPE	1							
35	2	124722-59050	CLIP, HOSE 9	2							
36	2	119802-59320	TUBE, CORRUGATED	1							
37	1	119802-49620	PIPE ASSY, WATER	1							
38	2	119802-49721	PIPE ASSY, WATER	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	1	171056-49120	PLUG, DRAIN	1							
41	1	121267-44760	SPACER	1							
42	1	26106-060302	BOLT, M6X 30 PLATED	4							
43	1	124450-44510	TANK ASSY, SUB	1							
45	2	124450-44530	CAP	1							
46	2	124450-44560	RETAINER	1							
47	2	23061-070230	PIPE, 7X 230	1							
48	1	124450-44550	BAND	1							
49	1	121256-44600	BRACKET, SUB TANK	1							
50	1	121267-44741	FAN, COOLING D=360	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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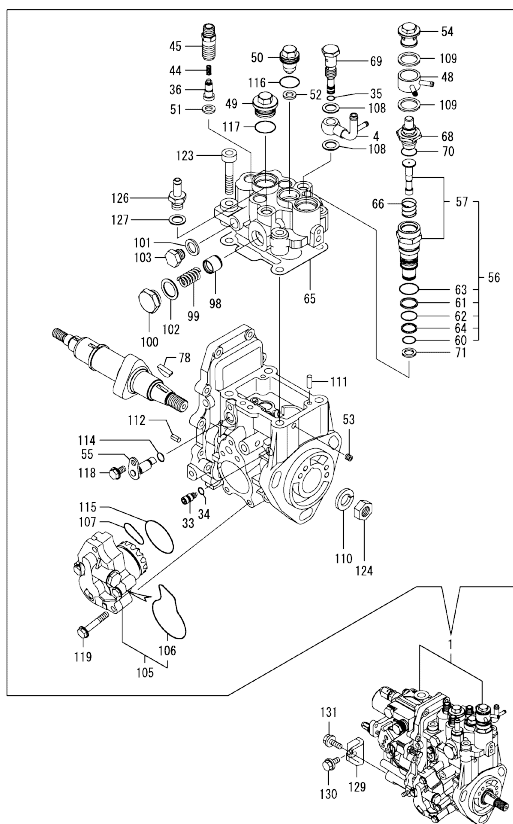
Fig.11. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719935-51360	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
33	2	158600-51270	STOPPER, TAPPET	1							
34	2	158563-51281	O-RING, 4D S6	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	129008-51300	VALVE ASSY, DELIVERY	3							
44	2	158563-51330	SPRING, DELIVERY	3							
45	2	129008-51340	HOLDER, DELIVERY	3							
48	2	158553-51551	JOINT	1							
49	2	158601-51550	PLUG	1							
50	2	119802-51560	PLUG, BARREL	1							
51	2	158552-51570	GASKET	3							
52	2	158552-51570	GASKET	1							
53	2	158557-51570	PLUG	1							
54	2	158601-51570	PLUG	1							
55	2	158552-51580	LIFTER	1							
56	2	119802-51590	TIMER SET	1							
57	3	119802-51600	TIMER ASSY	1							
60	3	158553-51670	O-RING, 1011	1							
61	3	119802-51680	RING, BACK UP	1							
62	3	119802-51690	O-RING	1							
63	3	24356-010200	O-RING, 4D1020	1							
64	3	24372-000150	RING, BACK UP T2P15	1							
65	2	158552-51600	GASKET	1							
66	2	158553-51630	SPRING, TIMER	1							
68	2	158553-51640	ELEMENT	1							
69	2	158601-51650	JOINT, OVER FLOW	1							
70	2	158553-51660	O-RING, P14	1							
71	2	158553-51680	GASKET	1							
78	2	119802-51090	KEY, 4X16	1							
98	2	158601-51770	PISTON	1							
99	2	158552-51781	SPRING	1							
100	2	158601-51790	PLUG	1							
101	2	22190-120002	WASHER, SEAL 12	1							
102	2	22190-180002	WASHER, SEAL 18	1							
103	2	23887-120002	PLUG, 12	1							
105	2	158552-52100	PUMP ASSY, FUEL FEED	1							
106	3	158552-52500	O-RING	1							
107	2	158552-52310	O-RING	1							
108	2	22190-120002	WASHER, SEAL 12	2							
109	2	22190-180002	WASHER, SEAL 18	2							
110	2	22217-140000	WASHER, SPRING 14	1							
111	2	22312-050140	PIN, PARALLEL M5X14	2							
112	2	22351-050010	PIN, SPRING 5.0X10	2							
114	2	24311-000070	O-RING, 1AP7.0	1							
115	2	158552-52400	O-RING, 4E S42	1							
116	2	24356-010180	O-RING, 4D1018	1							
117	2	24356-010200	O-RING, 4D1020	1							
118	2	26106-060102	BOLT, M6X 10 PLATED	1							
119	2	158553-51770	BOLT	4							
123	2	26450-080452	BOLT, M8X 45	4							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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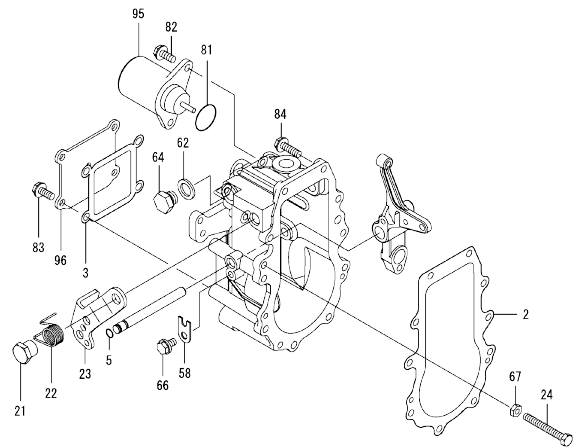
No.	Lev.	Parts No.	Description	(A)=3TNV82A-BSDB						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
124	2	26776-140002	NUT, LOCK M14	1							
126	2	119934-59910	JOINT, PIPE	1							
127	2	22190-120002	WASHER, SEAL 12	1							
129	1	119802-51250	RETAINER, PUMP	1							
130	1	26106-080162	BOLT, M8X 16 PLATED	1							
131	1	26106-080202	BOLT, M8X 20 PLATED	1							

Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

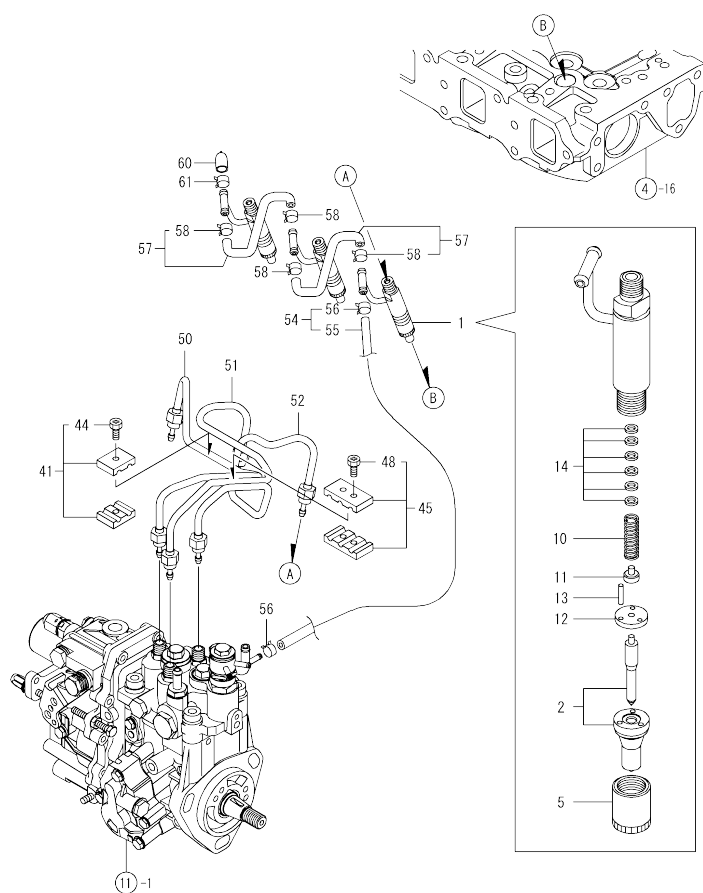
0CW10-M28100

Fig.12. GOVERNOR



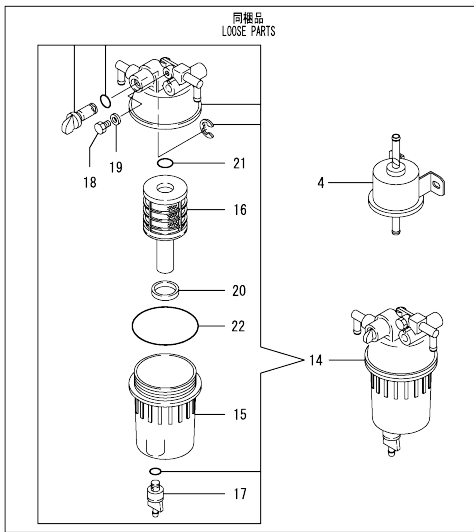
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET	1							
3	2	158553-61070	GASKET	1							
5	2	129155-61280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
58	2	119660-61901	RETAINER, SHAFT	1							
62	2	22190-120000	WASHER, SEAL 12	1							
64	2	23887-120002	PLUG, 12	1							
66	2	26106-060102	BOLT, M6X 10 PLATED	1							
67	2	26756-060002	NUT, LOCK M6	1							
81	2	158552-61900	O-RING	1							
82	2	26106-060142	BOLT, M6X 14 PLATED	2							
83	2	26106-060142	BOLT, M6X 14 PLATED	4							
84	2	26106-060202	BOLT, M6X 20 PLATED	10							
95	2	119233-77932	SOLENOID, STOP	1							
96	2	129642-61060	COVER, GOVERNOR CASE	1							



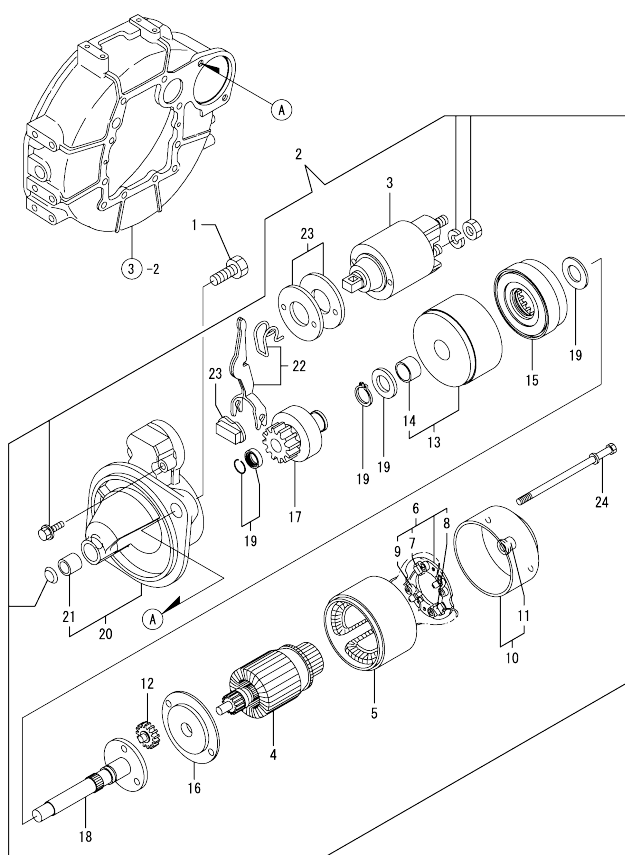
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-53100	VALVE ASSY,INJECTION	3							
2	2	719803-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	119803-53400	SHIM SET	3							
41	1	119305-59120	RETAINER, PIPE	1							
44	2	129150-59131	BOLT, M4X14	1							
45	1	129150-59120	RETAINER, PIPE	1							
48	2	129150-59131	BOLT, M4X14	2							
50	1	119803-59810	PIPE ASSY, INJECTION	1							
51	1	119803-59820	PIPE ASSY, INJECTION	1							
52	1	119803-59830	PIPE ASSY, INJECTION	1							
54	1	119802-59550	PIPE ASSY, RETURN	1							
55	2	119802-59560	PIPE, FUEL RETURN	1							
56	2	124722-59050	CLIP, HOSE 9	2							
57	1	129486-59551	PIPE ASSY, RETURN	2							
58	2	124722-59050	CLIP, HOSE 9	4							
60	1	119593-59581	CAP	1							
61	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL LINE

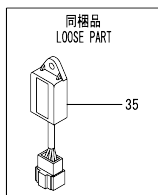


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-55612	BRACKET, FILTER	1							
2	1	129004-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129612-52100	PUMP ASSY, FUEL FEED	1							
5	1	129044-59010	PIPE, D13/7.5X220	1							
6	2	124766-59050	CLIP, HOSE 12	2							
7	2	129044-59100	TUBE, CORRUGATED	1							
8	2	129044-59510	PIPE, FUEL 220	1							
9	1	129630-59010	PIPE ASSY, FUEL	1							
10	2	124766-59050	CLIP, HOSE 12	2							
11	2	129961-59110	TUBE, CORRUGATED	1							
12	2	105025-59560	PIPE, FUEL	1							
13	1	121750-59890	BAND, 140	1							
14	1	129242-55710	SEPARATOR ASSY	1							
15	2	129242-55720	CUP	1							
16	2	129242-55730	ELEMENT	1							
17	2	129242-55740	PLUG, DRAIN	1							
18	2	129242-55750	VALVE, AIR VENT	1							
19	2	129242-55760	GASKET	1							
20	2	129242-55770	FLOAT	1							
21	2	24311-000160	O-RING, 1AP16.0	1							
22	2	24321-000750	O-RING, 1AG75.0	1							

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	26116-120252	BOLT, M12X 25 PLATED	2							
2	1	129242-77010	STARTER	1							
3	2	129698-77020	SWITCH ASSY	1							
4	2	129242-77100	ARMATURE ASSY	1							
5	2	129242-77110	YOKE ASSY	1							
6	2	129242-77120	HOLDER ASSY, BRUSH	1							
7	3	129242-77130	BRUSH	2							
8	3	129242-77140	BRUSH SET	1							
9	3	129242-77150	SPRING	4							
10	2	129242-77160	COVER ASSY	1							
11	3	129242-77170	METAL	1							
12	2	118400-77170	GEAR	3							
13	2	129242-77180	BRACKET	1							
14	3	129698-77190	BRACKET	1							
15	2	129698-77200	GEAR, INTERNAL	1							
16	2	129242-77210	BRACKET	1							
17	2	129698-77220	PINION ASSY	1							
18	2	129698-77230	SHAFT	1							
19	2	129698-77250	WASHER SET	1							
20	2	129242-77260	CASE ASSY	1							
21	3	X2114535200	METAL, STARTER	1							
22	2	129242-77270	LEVER SET	1							
23	2	129242-77280	COVER ASSY, DUST	1							
24	2	124195-77770	BOLT THROUGH	2							

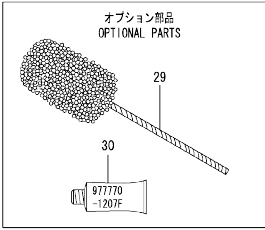
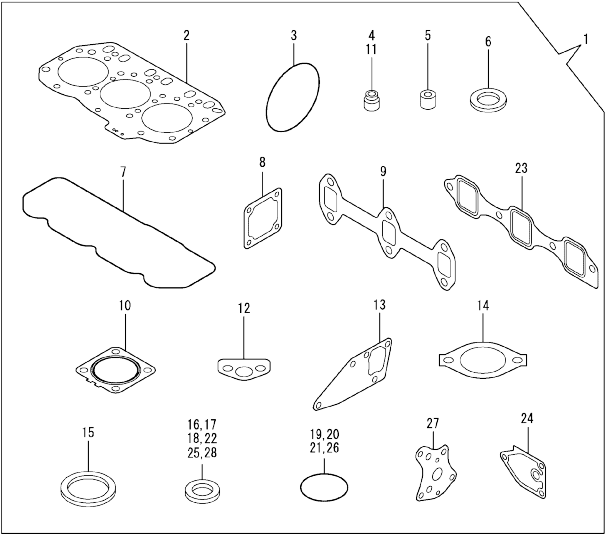


N:Old $\xrightarrow{\text{yes}} \text{New}$, Q:Old $\xrightarrow{\text{no}} \text{New}$, R:Old $\xrightarrow{\text{yes}} \text{New}$, S:Old $\xrightarrow{\text{no}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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0CW10-M28100

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-92990	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	119803-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	119802-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	119810-13110	GASKET	1							
10	2	129004-13200	GASKET, SILENCER	3							
11	2	124160-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET	1							
13	2	129486-42050	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	23414-080000	GASKET, 8X1.0	1							
17	2	22190-080002	WASHER, SEAL 6	7							
18	2	129150-49360	GASKET	1							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	119810-12112	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	2							
27	2	129150-32020	GASKET, PUMP	1							
28	2	124465-44950	GASKET, 16	1							
29	1	129400-92420	HONE	1							1
30	1	977770-1207F	GASKET,LIQUID	1							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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105025-59560	14	12
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
118400-77170	15	12
119131-18320	6	5
119233-77932	12	95
119305-59120	13	41
119593-59581	13	60
119609-32040	2	10
	17	26
119620-01750	3	3
119620-02020	1	12
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77480	16	20
119620-77490	16	29
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79250	16	6
119620-79260	16	18
119620-79280	16	21
119620-79290	16	22
119620-79300	16	23
119620-79310	16	24
119620-79320	16	25
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	7
119625-11880	4	34
	17	6
119640-01640	3	9
119660-61901	12	58
119740-77250	16	30
119761-39450	9	1
119802-01190	1	32
119802-01561	2	6
119802-03010	4	42
119802-03090	5	1
119802-03110	4	44

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119802-03130	4	46
119802-03141	4	47
119802-11100	4	23
119802-11110	4	24
119802-11241	4	4
119802-11251	4	5
119802-11260	4	7
119802-11270	4	8
119802-11280	4	9
119802-11310	4	50
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119802-11350	4	41
119802-11650	4	11
119802-11810	4	32
119802-11870	4	33
	17	5
119802-11900	4	35
119802-12130	5	4
119802-13129	6	2
119802-14590	7	3
119802-21660	8	9
119802-22500	8	18
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-34802	9	35
119802-35100	9	8
119802-35110	9	9
119802-39450	9	11
119802-42001	10	1
119802-49610	10	32
119802-49620	10	37
119802-49711	10	33
119802-49721	10	38
119802-49730	10	34
119802-51090	11	78
119802-51250	11	129
119802-51560	11	50
119802-51590	11	56
119802-51600	11	57
119802-51680	11	61
119802-51690	11	62
119802-59320	10	36
119802-59550	13	54
119802-59560	13	55
119802-77330	16	1
119803-01520	2	5
119803-11340	4	28
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119803-11700	4	16
119803-21000	8	1
119803-21200	8	5
119803-22080	8	16
119803-25050	7	9
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119803-59810	13	50
119803-59820	13	51
119803-59830	13	52
119803-77821	4	56
119803-77830	4	57
119807-61420	12	22
119810-01200	1	24
119810-01730	3	6
119810-01770	3	8
119810-02871	1	26
119810-02931	1	18
119810-02941	1	29
119810-11120	4	25
119810-12112	5	3
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119810-13110	6	1
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119810-14400	7	2
119810-23200	8	28
119810-23601	8	29
119810-23611	8	32
119810-23910	8	31
119810-35300	9	33
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
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119812-01330	1	25
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119813-22300	8	22
119865-21600	8	15
119934-01800	2	4
119934-59910	11	126
119940-77270	16	33
120270-54410	4	36
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121111-21501	8	12
121250-44901	10	24
121256-44600	10	49
121267-44741	10	50
121267-44760	10	41
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123501-79240	16	5
123900-13610	6	3
123900-13630	6	4
124060-01050	1	6
124060-11800	4	31
124060-77680	13	61
124160-01751	2	7
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124160-11340	4	27
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124160-11360	4	53
124160-39140	9	12
124195-77770	15	24
124240-01871	2	8
124250-49351	10	22
124450-44510	10	43
124450-44530	10	45
124450-44550	10	48
124450-44560	10	46
124465-44950	10	30
	17	28
124722-59050	10	35
		39
	13	56
		58
124766-59050	14	6
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129001-01250	1	7
129001-32001	9	16
129001-91841	2	12
129004-13200	6	7
	17	10
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129004-55801	14	2
129005-59830	9	2
129008-51300	11	36
129008-51340	11	45
129008-77800	4	55
129044-59010	14	5
129044-59100	14	7
129044-59510	14	8
129052-79270	16	19
129054-42320	10	11
129100-01580	3	1
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129150-02450	7	4
129150-03070	4	43
129150-11230	4	12
129150-11280	4	10
129150-11750	4	14
129150-14101	7	6
129150-14200	7	1
129150-25301	7	15
129150-32020	9	29
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129150-35042	9	32
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129150-35111	9	14
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129150-35153	9	15
129150-49360	10	23
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129150-49811	10	27
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129150-77511	5	7
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129155-49801	10	26
129155-51280	12	5
129155-61460	12	24
129211-77920	16	35
129240-79300	16	14
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129242-55720	14	15
129242-55730	14	16
129242-55740	14	17
129242-55750	14	18
129242-55760	14	19
129242-55770	14	20
129242-77010	15	2
129242-77100	15	4
129242-77110	15	5
129242-77120	15	6
129242-77130	15	7
129242-77140	15	8
129242-77150	15	9
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129350-49530	10	20
129400-92420	17	29
129403-42380	10	19
129410-03990	5	2
129423-77200	16	2
129423-77710	16	17
129486-01670	3	18
129486-42050	10	31
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129486-59551	13	57
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129612-01600	3	2
129612-42370	10	18
129612-52100	14	4
129630-59010	14	9
129642-61060	12	96
129698-77020	15	3
129698-77190	15	14
129698-77200	15	15
129698-77220	15	17
129698-77230	15	18
129698-77250	15	19
129792-22400	8	23
129795-01780	3	17
129795-01950	2	9
129795-02412	1	13
129795-21661	8	10
129795-49551	10	21
	17	14
129900-07900	4	2
129961-59110	14	11
129972-77341	16	34
158552-51151	7	17
158552-51570	11	51
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158552-51580	11	55
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158552-51670	11	4
158552-51781	11	99
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158552-52310	11	107
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158553-51680	11	71
158553-51770	11	119
158553-61050	12	2
158553-61070	12	3
158557-51570	11	53
158563-51281	11	34
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158563-51330	11	44
158600-51270	11	33
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158601-51570	11	54
158601-51650	11	69
158601-51770	11	98
158601-51790	11	100
171051-01921	1	5
171056-49120	10	40
171340-77520	5	8
22190-080002	2	21
	9	4
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	17	17
22190-100002	9	6
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		127
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22190-220002	3	11
	17	25
22217-140000	7	18
	11	110
22312-050140	11	111
22351-030010	8	8
22351-050010	11	112
22351-060012	4	37
22512-070140	7	7
	8	6
22857-500100	4	51
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23061-070230	10	47
23414-080000	10	28
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	12	64
24311-000070	11	114
24311-000120	4	54
	17	19
24311-000160	14	21
24311-000320	2	13
	4	58
	17	20
24321-000750	14	22
24341-000240	2	18
	17	21
24356-010180	11	116
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24372-000150	11	64
26106-060102	11	118
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26106-060162	2	19
26106-060202	10	15
	12	84
26106-060302	10	42
26106-080122	10	29
26106-080142	7	8
26106-080162	2	14
		15
	3	12
	4	3
	11	130
26106-080202	9	13
	11	131
26106-080222	10	25
26106-080252	4	38
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		9
26106-080302	2	22
	14	3
26106-080352	3	19
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26106-080452	3	13
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26206-100252	3	4
26206-100302	3	5
26306-080002	2	20
	6	6
		10
26306-100002	16	31
26366-060002	9	7
26450-060252	9	30
26450-080452	11	123
26756-060002	12	67
26776-140002	7	19
	11	124
27241-120000	1	8
27241-300000	1	9
27241-400000	4	22
27310-070001	4	29
719802-01560	1	1
719802-22950	8	36
719803-22900	8	34
719803-53100	13	1
719810-02981	1	21
719810-23100	8	24
719823-92990	17	1
719935-51360	11	1
729630-01500	2	1
977770-1207F	17	30
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