

0CW10-M50700EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV82A-GKL, 3TNV82A-GKLF for Kohler Ltd.

Pub. No. : 0CW10-G50700

Published : March, 2009

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-GKL 3TNV82A-GKLF	GENERATOR	Kohler 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.

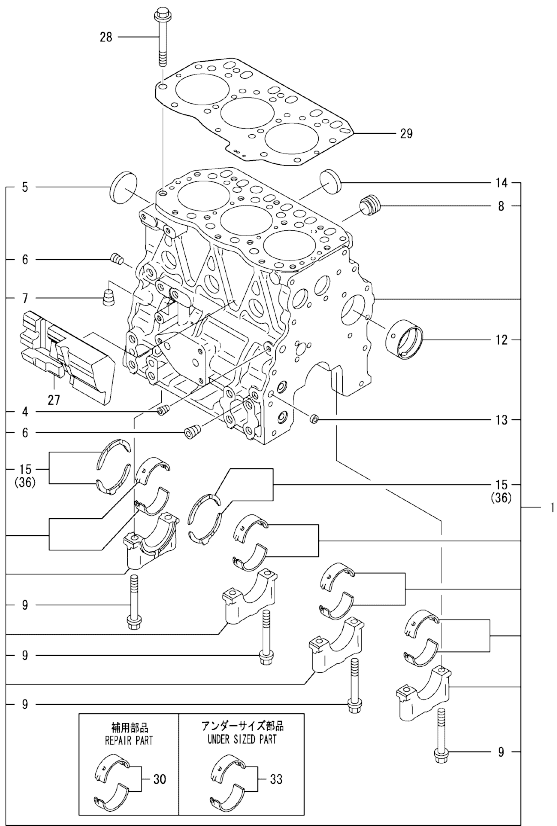
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0CW10-M50700

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4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
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8.	CRANKSHAFT & PISTON		
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10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL FILTER		
15.	STARTING MOTOR		
16.	GASKET SET		

0CW10-M50700 3TNV82A-GKL

Fig.1. CYLINDER BLOCK



0CW10-M50700 Fig.1

(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

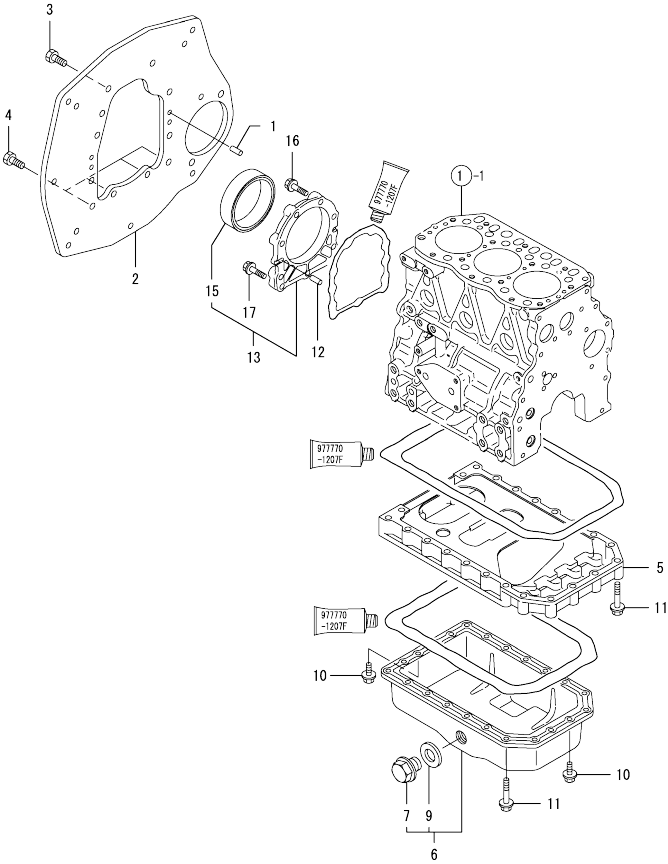
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1	1						
4	2	124060-01050	PLUG, PT1/8	1	1						
5	2	129001-01250	PLUG, 50	1	1						
6	2	124160-01910	PLUG, PT1/4	2	2						
7	2	124160-01910	PLUG, PT1/4	1	1						
8	2	171051-01921	PLUG, NPTF1	1	1						
9	2	119620-02020	BOLT, METAL CAP	8	8						
12	2	129795-02412	BUSH, CAMSHAFT	1	1						
13	2	27241-120000	PLUG, 12	2	2						
14	2	27241-300000	PLUG 30	6	6						
15	2	119717-02930	BEARING, THRUST	2	2						
27	1	119802-01190	SPACER	1	1						
28	1	119810-01200	BOLT, HEAD	14	14						
29	1	119812-01330	GASKET, HEAD	1	1						
30	1	719810-02981	BEARING, MAIN	4	4						1
33	1	119810-02871	BEARING, 0.25 US	4	4						2
36	1	119810-02941	BEARING, THRUST 0.25	2	2						3

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

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.3. MOUNTING FLANGE & OIL SUMP



0CW10-M50700 Fig.3

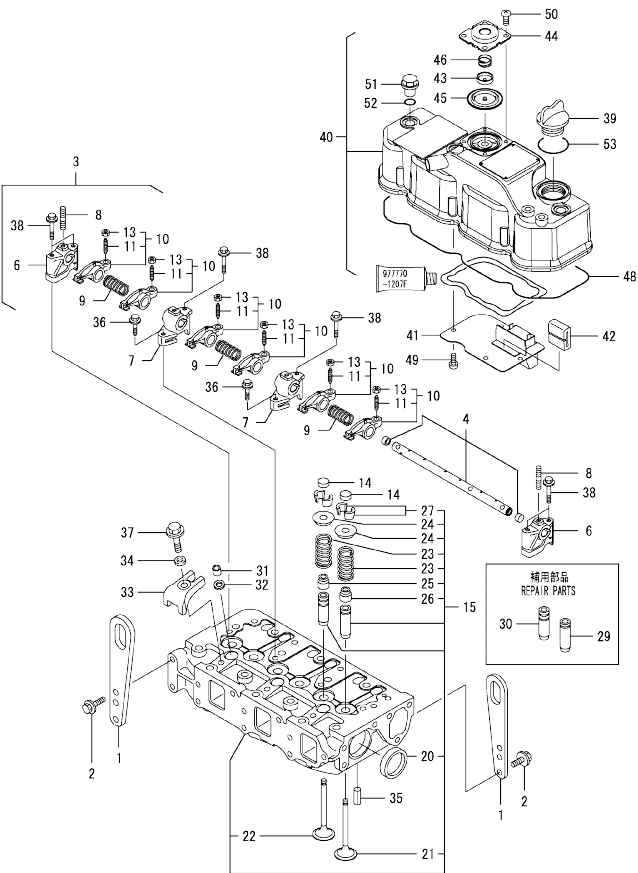
(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	129176-01601	FLANGE, MOUNTING	1	1						
3	1	26206-100202	BOLT, M10X 20 PLATED	6	6						
4	1	26206-100252	BOLT, M10X 25 PLATED	4	4						
5	1	119810-01730	SPACER, OIL SUMP	1	1						
6	1	119843-01780	SUMP ASSY, OIL	1	1						
7	2	119640-01640	PLUG, DRAIN M22	1	1						
9	2	22190-220002	WASHER, SEAL 22	1	1						
10	1	26106-080162	BOLT, M8X 16 PLATED	6	6						
11	1	26106-080452	BOLT, M8X 45 PLATED	22	22						
12	1	129100-01580	PIN, M8X16	2	2						
13	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
15	2	129795-01780	SEAL, OIL	1	1						
16	1	129486-01670	BOLT, M8X30	6	6						
17	1	26106-080352	BOLT, M8X 35 PLATED	3	3						

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M50700 Fig.4

(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

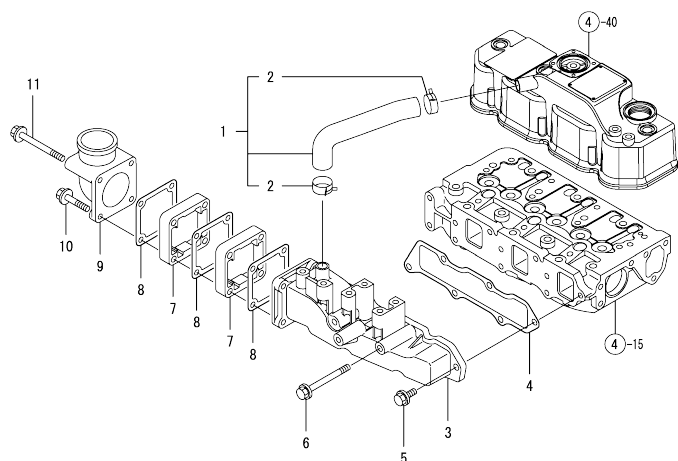
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2	2						
2	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
3	1	119802-11241	SHAFT ASSY, ROCKER	1	1						
4	2	119802-11251	SHAFT, ROCKER ARM	1	1						
6	2	119802-11260	SUPPORT, ROCKER ARM	2	2						
7	2	119802-11270	SUPPORT, ROCKER ARM	2	2						
8	2	119802-11280	STUD	3	3						
9	2	129150-11280	SPRING	3	3						
10	2	119802-11650	ARM, ROCKER	6	6						
11	3	129150-11230	SCREW, VALVE ADJUST	6	6						
13	3	129150-11750	NUT, M8	6	6						
14	1	104211-11370	CAP, VALVE	6	6						
15	1	119946-11700	HEAD ASSY, CYLINDER	1	1						
20	2	27241-400000	PLUG, 40	2	2						
21	2	119802-11100	VALVE, INTAKE	3	3						
22	2	119802-11110	VALVE, EXHAUST	3	3						
23	2	119810-11120	SPRING, VALVE	6	6						
24	2	104211-11180	RETAINER, SPRING	6	6						
25	2	119803-11340	SEAL, VALVE STEM	3	3						
26	2	124160-11340	SEAL, VALVE STEM	3	3						
27	2	27310-070001	COTTER, 7	6	6						
29	1	124060-11800	GUIDE, VALVE	3	3						1
30	1	119802-11810	GUIDE, VALVE	3	3						1
31	1	119802-11870	PROTECTOR, NOZZLE	3	3						
32	1	119625-11880	SEAT, NOZZLE	3	3						
33	1	119802-11900	RETAINER, NOZZLE	3	3						
34	1	120270-54410	WASHER, INJECTOR	3	3						
35	1	22351-060012	PIN, SPRING 6.0X12	2	2						
36	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
37	1	26106-080452	BOLT, M8X 45 PLATED	3	3						
38	1	26106-080502	BOLT, M8X 50 PLATED	6	6						
39	1	124160-01751	COVER, FILLER	1	1						
40	1	119802-11350	BONNET ASSY, HEAD	1	1						
41	2	119802-03010	PLATE	1	1						
42	2	129150-03070	BAFFLE, BREATHER	1	1						
43	2	119802-03110	PLATE	1	1						
44	2	119802-03121	COVER, DIAPHRAGM	1	1						
45	2	119802-03130	DIAPHRAGM	1	1						
46	2	119802-03141	SPRING, DIAPHRAGM	1	1						
48	2	119802-11310	GASKET, BONNET	1	1						
49	2	22857-500100	SCREW, 5X10	4	4						
50	2	22857-500100	SCREW, 5X10	4	4						
51	1	124160-11360	KNOB	3	3						
52	1	24311-000120	O-RING, 1AP12.0	3	3						
53	1	24311-000320	O-RING, 1AP32.0	1	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

(D)=
(E)=

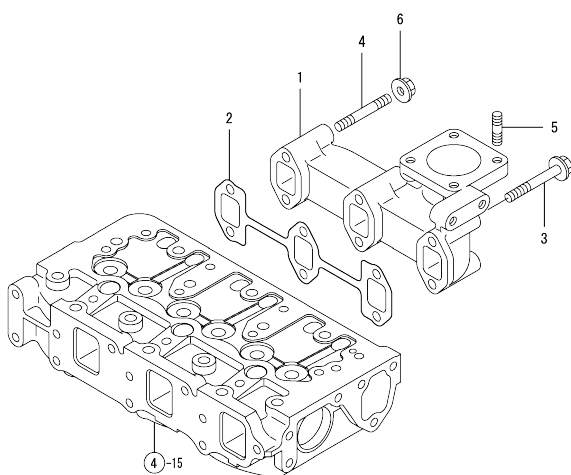
(D)=
(E)=

[illegible]

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



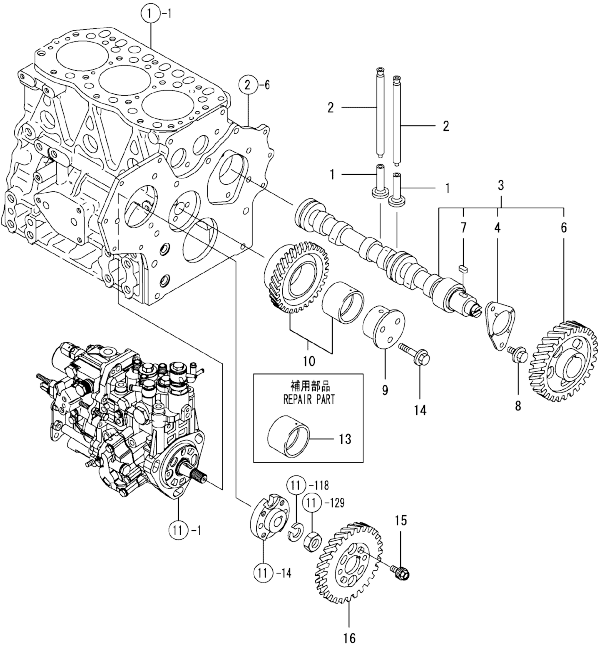
(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	119888-13101	MANIFOLD, EXHAUST	1	1				
2	1	119810-13110	GASKET	1	1				
3	1	119802-13640	BOLT, M8X60 10.9T	4	4				
4	1	119802-13740	STUD, M8X60	2	2				
5	1	119131-18320	STUD, M8X22	4	4				
6	1	26306-080002	NUT, M8	2	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.7. CAMSHAFT & DRIVING GEAR

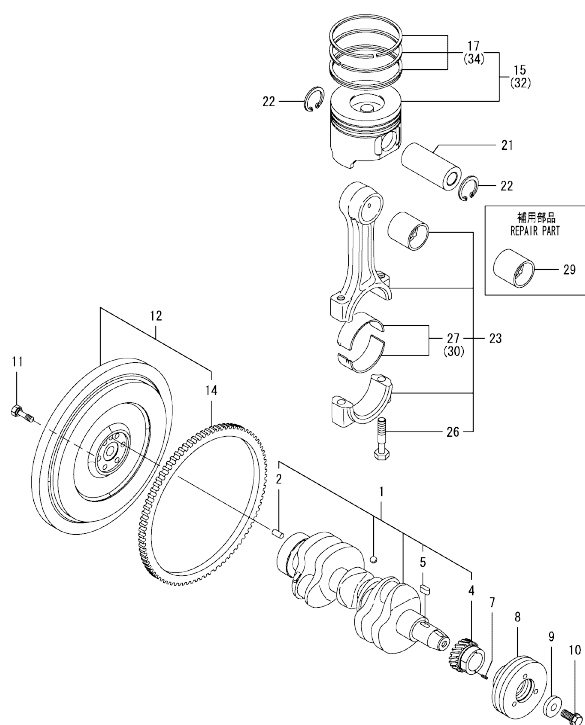


Remarks
(1) REPAIR PART.

(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6	6						
2	1	119810-14400	ROD, PUSH	6	6						
3	1	119802-14590	CAMSHAFT ASSY	1	1						
4	2	129150-02450	BEARING, THRUST	1	1						
6	2	129150-14101	GEAR, CAMSHAFT	1	1						
7	2	22512-070140	KEY, 7X 14	1	1						
8	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
9	1	119802-25051	SHAFT, IDLE	1	1						
10	1	119802-25101	GEAR ASSY, IDLE	1	1						
13	1	119802-25071	BUSH, IDLE GEAR	1	1						1
14	1	26106-080402	BOLT, M8X 40 PLATED	3	3						
15	1	129150-25301	BOLT	4	4						
16	1	119802-25901	GEAR, PUMP	1	1						



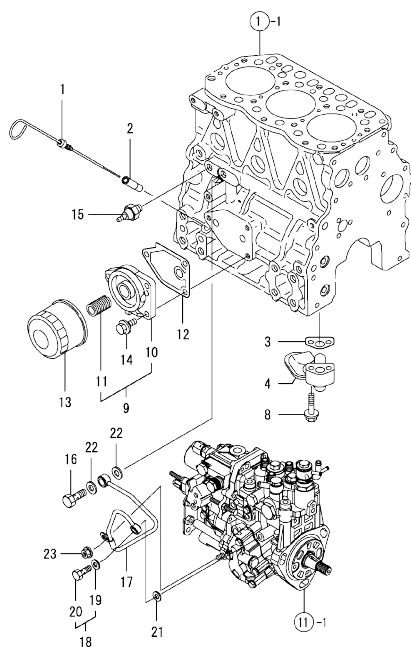
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-21002	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	119802-21202	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-030010	PIN, SPRING 3.0X10	1	1						
8	1	119802-21660	V-PULLEY, 120	1	1						
9	1	129795-21661	WASHER	1	1						
10	1	121850-21680	BOLT	1	1						
11	1	121111-21501	BOLT, FLYWHEEL	6	6						
12	1	129489-21570	FLYWHEEL ASSY	1	1						
14	2	124550-21600	GEAR, RING	1	1						
15	1	119802-22080	PISTON ASSY	3	3						
17	2	119802-22500	RING SET, PISTON	3	3						
21	1	119813-22300	PIN, PISTON	3	3						
22	1	129792-22400	CIRCLIP, 23	6	6						
23	1	119810-23100	ROD ASSY, CONNECTING	3	3						
26	2	119810-23200	BOLT, CONNECTING ROD	6	6						
27	2	119810-23601	BEARING, CRANK PIN	3	3						
29	1	119810-23910	BEARING, PISTON PIN	3	3						1
30	1	119810-23611	BEARING, 0.25 US	3	3						2
32	1	119802-22900	PISTON ASSY, 0.25 OS	3	3						3
34	2	119802-22950	RING SET, 0.25 OS	3	3						

Fig.9. LUB.OIL SYSTEM

(D)=
(E)=

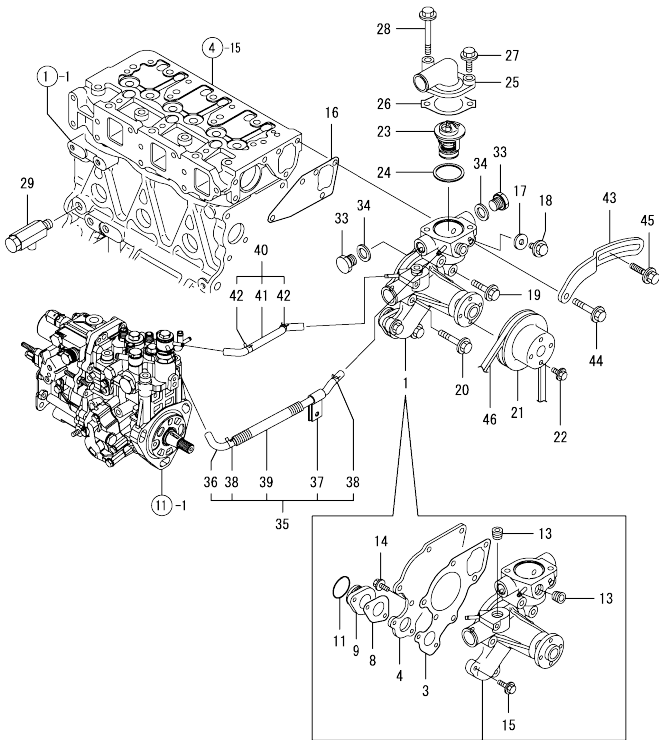


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119802-34812	DIPSTICK, OIL	1	1						
2	1	121520-34810	GUIDE, DIPSTICK	1	1						
3	1	129150-35042	GASKET	1	1						
4	1	119810-35401	PIPE ASSY, OIL INLET	1	1						
8	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
9	1	119802-35100	BRACKET ASSY, FILTER	1	1						
10	2	119802-35110	BRACKET, FILTER	1	1						
11	2	129100-35140	STUD	1	1						
12	1	129150-35111	GASKET	1	1						
13	1	129150-35170	FILTER,LO	1	1						
14	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
15	1	114250-39450	SWITCH, 0.5KG	1	1						
16	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
17	1	119802-39450	PIPE ASSY, OIL	1	1						
18	1	129005-59830	BOLT ASSY, JOINT M8	1	1						
19	2	22190-080002	WASHER, SEAL 6	1	1						
20	2	23857-030000	BOLT, JOINT 3	1	1						
21	1	22190-080002	WASHER, SEAL 6	1	1						
22	1	22190-100002	WASHER, SEAL 10	2	2						
23	1	26366-060002	NUT, M6	1	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

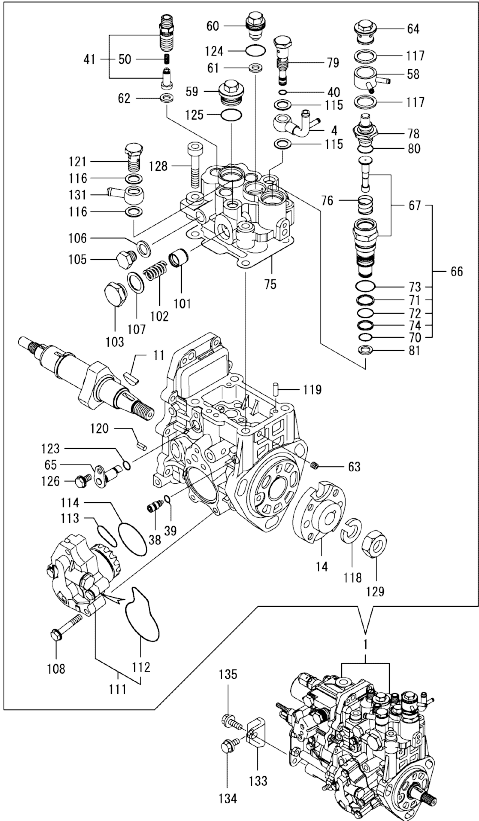


(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42001	PUMP ASSY, WATER	1	1						
3	2	119810-42051	GASKET, WATER PUMP	1	1						
4	2	119810-42120	PLATE	1	1						
8	2	119810-42281	GASKET, WATER PUMP	1	1						
9	2	119810-42290	PIPE	1	1						
11	2	129054-42320	O-RING	1	1						
13	2	23876-030000	PLUG, R03	2	2						
14	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
15	2	26106-060202	BOLT, M6X 20 PLATED	2	2						
16	1	129486-42050	GASKET, WATER PUMP	1	1						
17	1	23414-080000	GASKET, 8X1.0	1	1						
18	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
19	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
20	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
21	1	129155-42350	V-PULLEY	1	1						
22	1	26106-060122	BOLT, M6X 12 PLATED	4	4						
23	1	129457-49801	THERMOSTAT, 82	1	1						
24	1	129150-49811	GASKET, THERMOSTAT	1	1						
25	1	124101-49531	COVER, THERMOSTAT	1	1						
26	1	129795-49551	GASKET	1	1						
27	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
28	1	26106-080652	BOLT, M8X 65 PLATED	1	1						
29	1	119620-49290	COCK ASSY, 1/4	1	1						
33	1	121450-42450	PLUG, M16	2	2						
34	1	124465-44950	GASKET, 16	2	2						
35	1	119802-49610	PIPE ASSY, WATER	1	1						
36	2	119802-49711	PIPE ASSY, WATER	1	1						
37	2	119802-49730	RETAINER, PIPE	1	1						
38	2	124722-59050	CLIP, HOSE 9	2	2						
39	2	119802-59320	TUBE, CORRUGATED	1	1						
40	1	119802-49620	PIPE ASSY, WATER	1	1						
41	2	119802-49721	PIPE ASSY, WATER	1	1						
42	2	124722-59050	CLIP, HOSE 9	2	2						
43	1	119802-77320	ADJUSTER	1	1						
44	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
45	1	119802-77340	BOLT, ADJUSTER	1	1						
46	1	25132-003900	V-BELT, A39	1	1						

Fig.11. FUEL INJECTION PUMP



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

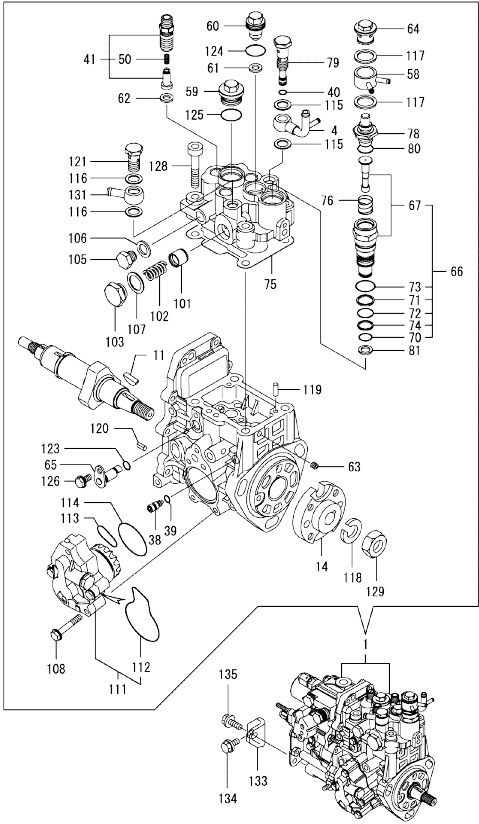
(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719946-51390	PUMP ASSY, INJECTION	1	1						1
4	2	158552-51670	JOINT, OVER FLOW	1	1						
11	2	119802-51090	KEY, 4X16	1	1						
14	2	158552-51151	FLANGE	1	1						
38	2	158600-51270	STOPPER, TAPPET	1	1						
39	2	158563-51281	O-RING, 4D S6	1	1						
40	2	158563-51281	O-RING, 4D S6	1	1						
41	2	129509-51390	VALVE ASSY, DELIVERY	3	3						
50	3	158563-51330	SPRING, DELIVERY	3	3						
58	2	158553-51551	JOINT	1	1						
59	2	158601-51550	PLUG	1	1						
60	2	119802-51560	PLUG, BARREL	1	1						
61	2	158552-51571	GASKET	1	1						
62	2	158552-51571	GASKET	3	3						
63	2	158557-51570	PLUG	1	1						
64	2	158601-51570	PLUG	1	1						
65	2	158552-51580	LIFTER	1	1						
66	2	119802-51590	TIMER SET	1	1						
67	3	119802-51600	TIMER ASSY	1	1						
70	3	158553-51670	O-RING, 1011	1	1						
71	3	119802-51680	RING, BACK UP	1	1						
72	3	119802-51690	O-RING	1	1						
73	3	24356-010200	O-RING, 4D1020	1	1						
74	3	24372-000150	RING, BACK UP T2P15	1	1						
75	2	158552-51600	GASKET	1	1						
76	2	158553-51630	SPRING, TIMER	1	1						
78	2	158553-51640	ELEMENT	1	1						
79	2	158601-51650	JOINT, OVER FLOW	1	1						
80	2	158553-51660	O-RING, P14	1	1						
81	2	158553-51680	GASKET	1	1						
101	2	158601-51770	PISTON	1	1						
102	2	158552-51781	SPRING	1	1						
103	2	158601-51790	PLUG	1	1						
105	2	158553-51930	PLUG, M12	1	1						
106	2	22190-120002	WASHER, SEAL 12	1	1						
107	2	22190-180002	WASHER, SEAL 18	1	1						
108	2	158553-51770	BOLT	4	4						
111	2	158552-52100	PUMP ASSY, FUEL FEED	1	1						
112	3	158552-52500	O-RING	1	1						
113	2	158552-52310	O-RING	1	1						
114	2	158552-52400	O-RING, 4E S42	1	1						
115	2	22190-120002	WASHER, SEAL 12	2	2						
116	2	22190-120002	WASHER, SEAL 12	2	2						
117	2	22190-180002	WASHER, SEAL 18	2	2						
118	2	22217-140000	WASHER, SPRING 14	1	1						
119	2	22312-050140	PIN, PARALLEL M5X14	2	2						
120	2	22351-050010	PIN, SPRING 5.0X10	2	2						
121	2	23857-060000	BOLT, JOINT 6	1	1						
123	2	24311-000070	O-RING, 1AP7.0	1	1						
124	2	24356-010180	O-RING, 4D1018	1	1						
125	2	24356-010200	O-RING, 4D1020	1	1						

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



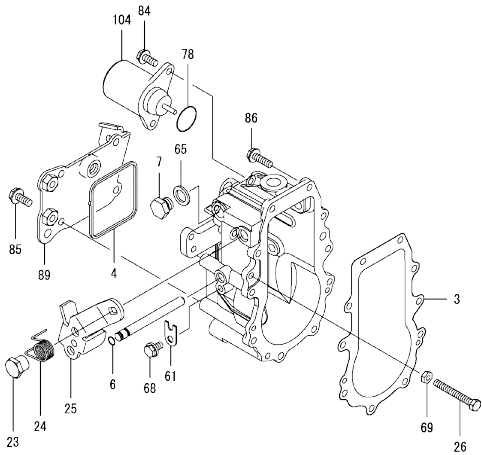
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
126	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
128	2	26450-080452	BOLT, M8X 45	4	4						
129	2	26776-140002	NUT, LOCK M14	1	1						
131	2	129916-59020	JOINT, PIPE 12	1	1						
133	1	119802-51250	RETAINER, PUMP	1	1						
134	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
135	1	26106-080202	BOLT, M8X 20 PLATED	1	1						

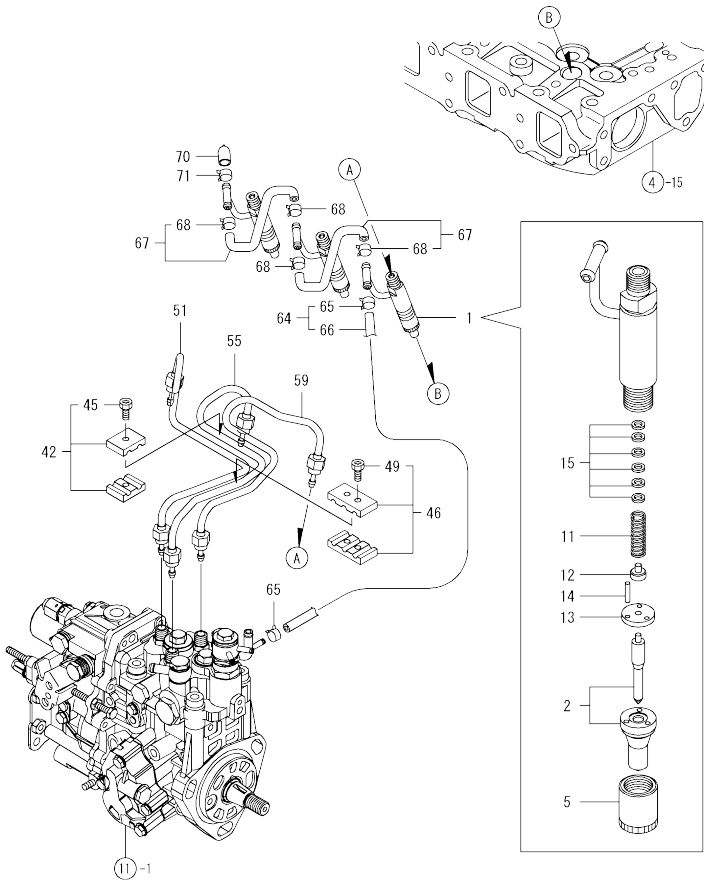
Fig.12. GOVERNOR



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)		
3	2	158553-61050	GASKET	1	1						
4	2	158553-61070	GASKET	1	1						
6	2	129155-51280	O-RING, S6	1	1						
7	2	158553-51930	PLUG, M12	1	1						
23	2	129255-61410	NUT, LOCK	1	1						
24	2	119807-61420	SPRING, RETURN	1	1						
25	2	129246-61441	LEVER, REGULATOR	1	1						
26	2	129155-61460	BOLT, IDLE	1	1						
61	2	119660-61901	RETAINER, SHAFT	1	1						
65	2	22190-120002	WASHER, SEAL 12	1	1						
68	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
69	2	26756-060002	NUT, LOCK M6	1	1						
78	2	158552-61900	O-RING	1	1						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	26106-060142	BOLT, M6X 14 PLATED	4	4						
86	2	26106-060202	BOLT, M6X 20 PLATED	10	10						
89	2	129246-61061	COVER, GOVERNOR CASE	1	1						
104	2	119653-77950	SOLENOID, STOP	1	1						

Fig.13. FUEL INJECTION VALVE



(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719946-53100	VALVE ASSY,INJECTION	3	3						
2	2	119946-53000	VALVE ASSY,INJECTION	3	3						
5	2	114250-53080	NUT, NOZZLE D16.95	3	3						
11	2	114250-53120	SPRING, NOZZLE	3	3						
12	2	114250-53130	SEAT, SPRING	3	3						
13	2	114250-53140	PLATE	3	3						
14	2	114250-53210	PIN	6	6						
15	2	119803-53400	SHIM SET	3	3						
42	1	119305-59120	RETAINER, PIPE	1	1						
45	2	129150-59131	BOLT, M4X14	1	1						
46	1	129150-59120	RETAINER, PIPE	1	1						
49	2	129150-59131	BOLT, M4X14	2	2						
51	1	119802-59810	PIPE ASSY, INJECTION	1	1						
55	1	119802-59820	PIPE ASSY, INJECTION	1	1						
59	1	119802-59830	PIPE ASSY, INJECTION	1	1						
64	1	119802-59550	PIPE ASSY, RETURN	1	1						
65	2	124722-59050	CLIP, HOSE 9	2	2						
66	2	119802-59560	PIPE, FUEL RETURN	1	1						
67	1	129486-59551	PIPE ASSY, RETURN	2	2						
68	2	124722-59050	CLIP, HOSE 9	4	4						
70	1	119593-59581	CAP	1	1						
71	1	124060-77680	CLIP, HOSE 10	1	1						

Fig.14. FUEL FILTER

Fig.14. FUEL FILTER

(D)=
(E)=

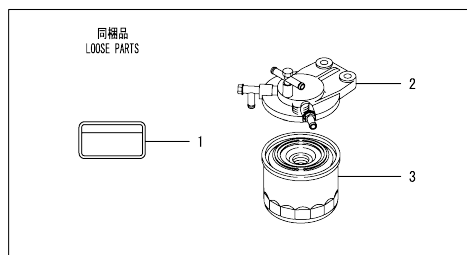
on

(C) Q^*

(C) Q^*

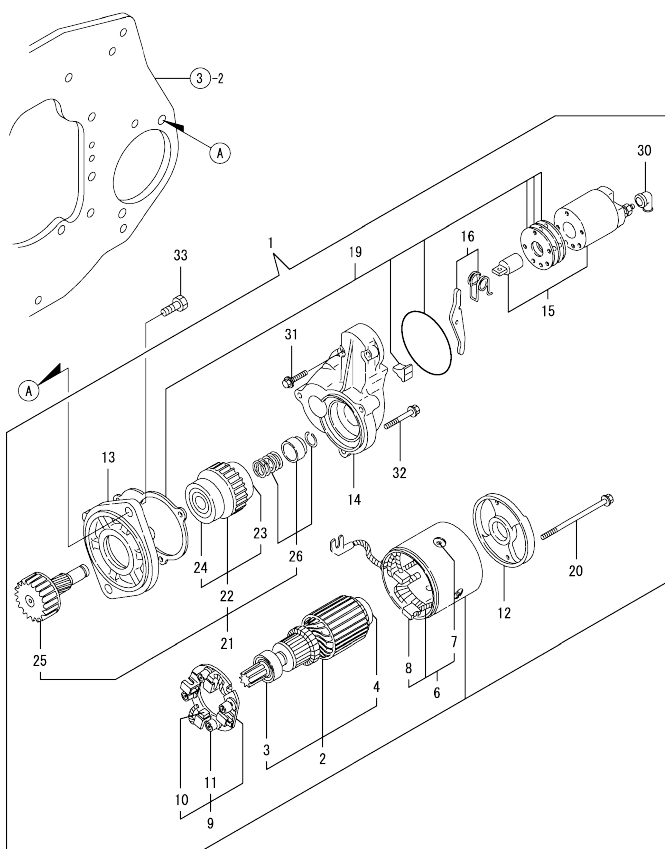
(c)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114110-07760	LABEL, FUEL CAUTION	1	1						
2	1	129004-55612	BRACKET, FILTER	1	1						
3	1	119802-55810	FILTER FO	1	1						



N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.15. STARTING MOTOR

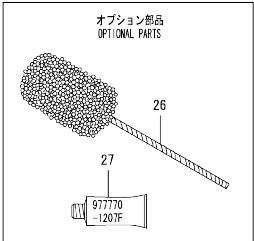
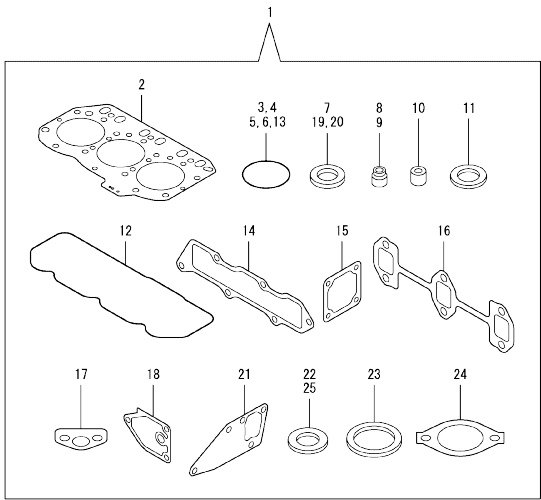


(D)=
(E)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	171008-77010	STARTER, S114-483	1	1						
2	2	171008-77400	ARMATURE ASSY	1	1						
3	3	X2114255110	BEARING, BALL	1	1						
4	3	X2130350900	BEARING, BALL	1	1						
6	2	171008-77440	COIL ASSY, FIELD	1	1						
7	3	171008-77450	SCREW	4	4						
8	3	171008-77460	BRUSH (+)	2	2						
9	2	171008-77470	HOLDER ASSY, BRUSH	1	1						
10	3	171008-77480	BRUSH (-)	2	2						
11	3	171008-77490	SPRING, BRUSH	4	4						
12	2	171008-77500	COVER, REAR	1	1						
13	2	171008-77510	CASE, GEAR	1	1						
14	2	171008-77520	HOUSING, CENTER	1	1						
15	2	171008-77531	SWITCH ASSY,MAGNETIC	1	1						
16	2	171008-77540	LEVER SET	1	1						
19	2	171008-77571	COVER KIT, DUST	1	1						
20	2	171008-77640	BOLT, THROUGH	2	2						
21	2	171008-77650	PINION ASSY	1	1						
22	3	X2114555500	CLUTCH ASSY	1	1						
23	4	X2114955020	BEARING, BALL	1	1						
24	4	X2240410100	BEARING, BALL	1	1						
25	3	171008-77660	SHAFT	1	1						
26	3	171008-77670	STOPPER SET	1	1						
30	2	171008-77750	COVER	1	1						
31	2	26106-060322	BOLT, M6X 32 PLATED	2	2						
32	2	26106-060402	BOLT, M6X 40 PLATED	3	3						
33	1	26116-120252	BOLT, M12X 25 PLATED	2	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.16. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=3TNV82A-GKL
(B)=3TNV82A-GKLF
(C)=

(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-92690	GASKET SET	1	1						1
2	2	119812-01330	GASKET, HEAD	1	1						
3	2	119609-32040	O-RING, P16	4	4						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	2	2						
6	2	24341-000240	O-RING, 1AS24.0	1	1						
7	2	22190-220002	WASHER, SEAL 22	1	1						
8	2	119803-11340	SEAL, VALVE STEM	3	3						
9	2	124160-11340	SEAL, VALVE STEM	3	3						
10	2	119802-11870	PROTECTOR, NOZZLE	3	3						
11	2	119625-11880	SEAT, NOZZLE	3	3						
12	2	119802-11310	GASKET, BONNET	1	1						
13	2	24311-000120	O-RING, 1AP12.0	3	3						
14	2	119813-12110	GASKET, MANIFOLD	1	1						
15	2	129150-77511	GASKET	3	3						
16	2	119810-13110	GASKET	1	1						
17	2	129150-35042	GASKET	1	1						
18	2	129150-35111	GASKET	1	1						
19	2	22190-080002	WASHER, SEAL 6	2	2						
20	2	22190-100002	WASHER, SEAL 10	2	2						
21	2	129486-42050	GASKET, WATER PUMP	1	1						
22	2	23414-080000	GASKET, 8X1.0	1	1						
23	2	129150-49811	GASKET, THERMOSTAT	1	1						
24	2	129795-49551	GASKET	1	1						
25	2	124465-44950	GASKET, 16	2	2						
26	1	129400-92420	HONE	1	1						1
27	1	977770-1207F	GASKET,LIQUID	1	1						1

Parts No. Index

Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.
104211-11180	4	24	119802-21002	8	1	119810-11120	4	23	124722-59050	13	68
104211-11370	4	14	119802-21202	8	4	119810-13110	6	2	129001-01250	1	5
114110-07760	14	1	119802-21660	8	8		16	16	129001-32330	2	16
114250-39450	9	15	119802-22080	8	15	119810-14400	7	2	129004-55612	14	2
114250-53080	13	5	119802-22500	8	17	119810-23200	8	26	129005-59830	9	18
114250-53120	13	11	119802-22900	8	32	119810-23601	8	27	129054-42320	10	11
114250-53130	13	12	119802-22950	8	34	119810-23611	8	30	129100-01580	3	1
114250-53140	13	13	119802-25051	7	9	119810-23910	8	29			12
114250-53210	13	14	119802-25071	7	13	119810-35401	9	4		8	2
119131-18320	6	5	119802-25101	7	10	119810-42051	10	3	129100-01640	3	13
119305-59120	13	42	119802-25901	7	16	119810-42120	10	4	129100-35140	9	11
119593-59581	13	70	119802-32070	2	13	119810-42281	10	8	129150-02450	7	4
119609-32040	2	11	119802-32100	2	12	119810-42290	10	9	129150-03070	4	42
	16	3	119802-32111	2	17	119812-01330	1	29	129150-11230	4	11
119620-02020	1	9	119802-32120	2	18		16	2	129150-11280	4	9
119620-49290	10	29	119802-32130	2	19	119813-12110	5	4	129150-11750	4	13
119625-11880	4	32	119802-34812	9	1		16	14	129150-14101	7	6
	16	11	119802-35100	9	9	119813-22300	8	21	129150-14200	7	1
119640-01640	3	7	119802-35110	9	10	119843-01780	3	6	129150-25301	7	15
119653-77950	12	104	119802-39450	9	17	119888-13101	6	1	129150-35042	9	3
119660-61901	12	61	119802-42001	10	1	119934-01800	2	5		16	17
119717-02930	1	15	119802-49610	10	35	119946-11700	4	15	129150-35111	9	12
119802-01190	1	27	119802-49620	10	40	119946-53000	13	2		16	18
119802-01520	2	6	119802-49711	10	36	120270-54410	4	34	129150-35170	9	13
119802-01561	2	7	119802-49721	10	41	121023-01551	2	27	129150-49811	10	24
119802-03010	4	41	119802-49730	10	37	121111-21501	8	11		16	23
119802-03080	5	1	119802-51090	11	11	121450-42450	10	33	129150-59120	13	46
119802-03110	4	43	119802-51250	11	133	121520-34810	9	2	129150-59131	13	45
119802-03121	4	44	119802-51560	11	60	121850-21680	8	10			49
119802-03130	4	45	119802-51590	11	66	121850-51960	2	20	129150-77511	5	8
119802-03141	4	46	119802-51600	11	67		16	4		16	15
119802-11100	4	21	119802-51680	11	71	124060-01050	1	4	129155-42350	10	21
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119802-11251	4	4	119802-59320	10	39	124101-49531	10	25	129170-12580	5	7
119802-11260	4	6	119802-59550	13	64	124160-01751	2	8	129176-01601	3	2
119802-11270	4	7	119802-59560	13	66		4	39	129246-61061	12	89
119802-11280	4	8	119802-59810	13	51	124160-01910	1	6	129246-61441	12	25
119802-11310	4	48	119802-59820	13	55		7		129255-61410	12	23
	16	12	119802-59830	13	59	124160-11340	4	26	129400-92420	16	26
119802-11350	4	40	119802-77320	10	43		16	9	129410-03990	5	2
119802-11650	4	10	119802-77340	10	45	124160-11360	4	51	129418-32320	2	15
119802-11810	4	30	119803-11340	4	25	124160-39140	9	16	129457-49801	10	23
119802-11870	4	31		16	8	124240-01871	2	9	129486-01670	3	16
	16	10	119803-53400	13	15	124465-44950	10	34	129486-42050	10	16
119802-11900	4	33	119807-61420	12	24		16	25		16	21
119802-12100	5	3	119810-01200	1	28	124550-21600	8	14	129486-59551	13	67
119802-13640	6	3	119810-01730	3	5	124722-59050	10	38	129489-21570	8	12
119802-13740	6	4	119810-02871	1	33		42		129509-51390	11	41
119802-14590	7	3	119810-02941	1	36		13	65	129792-22400	8	22

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129795-01780	3	15
129795-01900	2	30
129795-01950	2	10
129795-02412	1	12
129795-21661	8	9
129795-49551	10	26
	16	24
129900-07900	4	1
129900-32130	2	14
129916-59020	11	131
158552-51151	11	14
158552-51571	11	61
		62
158552-51580	11	65
158552-51600	11	75
158552-51670	11	4
158552-51781	11	102
158552-52100	11	111
158552-52310	11	113
158552-52400	11	114
158552-52500	11	112
158552-61900	12	78
158553-51551	11	58
158553-51630	11	76
158553-51640	11	78
158553-51660	11	80
158553-51670	11	70
158553-51680	11	81
158553-51770	11	108
158553-51930	11	105
	12	7
158553-61050	12	3
158553-61070	12	4
158557-51570	11	63
158563-51281	11	39
		40
158563-51330	11	50
158600-51270	11	38
158601-51550	11	59
158601-51570	11	64
158601-51650	11	79
158601-51770	11	101
158601-51790	11	103
171008-77010	15	1
171008-77400	15	2
171008-77440	15	6
171008-77450	15	7
171008-77460	15	8
171008-77470	15	9
171008-77480	15	10

Parts No.	Fig. No.	Ref. No.
171008-77490	15	11
171008-77500	15	12
171008-77510	15	13
171008-77520	15	14
171008-77531	15	15
171008-77540	15	16
171008-77571	15	19
171008-77640	15	20
171008-77650	15	21
171008-77660	15	25
171008-77670	15	26
171008-77750	15	30
171051-01921	1	8
171340-77520	5	9
22190-080002	9	19
		21
	16	19
22190-100002	9	22
	16	20
22190-120002	11	106
		115
		116
	12	65
22190-180002	11	107
		117
22190-220002	3	9
	16	7
22217-140000	11	118
22312-050140	11	119
22351-030010	8	7
22351-050010	11	120
22351-060012	4	35
22512-070140	7	7
	8	5
22857-500100	4	49
		50
23414-080000	10	17
	16	22
23857-030000	9	20
23857-060000	11	121
23876-030000	2	3
	10	13
23876-040000	2	4
24311-000070	11	123
24311-000120	4	52
	16	13
24311-000320	2	21
	4	53
	16	5
24341-000240	2	28

Parts No.	Fig. No.	Ref. No.
24341-000240	16	6
24356-010180	11	124
24356-010200	11	73
		125
24372-000150	11	74
25132-003900	10	46
26106-060102	11	126
	12	68
26106-060122	10	22
26106-060142	10	14
	12	84
		85
26106-060162	2	29
26106-060202	10	15
	12	86
26106-060322	15	31
26106-060402	15	32
26106-080122	10	18
26106-080142	7	8
26106-080162	2	22
		23
	3	10
	4	2
	11	134
26106-080202	5	5
	9	14
	11	135
26106-080252	4	36
	10	27
26106-080352	3	17
	9	8
	10	19
26106-080402	7	14
26106-080452	3	11
	4	37
	10	44
26106-080502	4	38
26106-080552	2	24
	10	20
26106-080602	5	10
26106-080652	10	28
26106-080802	5	6
26106-080852	2	25
26106-081002	5	11
26116-120252	15	33
26206-100202	3	3
26206-100252	3	4
26306-080002	2	26
	6	6
26366-060002	9	23

Parts No.	Fig. No.	Ref. No.
26450-080452	11	128
26756-060002	12	69
26776-140002	11	129
27241-120000	1	13
27241-300000	1	14
27241-400000	4	20
27310-070001	4	27
719802-01500	2	1
719802-01560	1	1
719802-92690	16	1
719810-02981	1	30
719810-23100	8	23
719946-51390	11	1
719946-53100	13	1
977770-1207F	16	27
X2114255110	15	3
X2114555500	15	22
X2114955020	15	23
X2130350900	15	4
X2240410100	15	24