

0CW10-M32200EN

PREFACE

1. This parts catalog is the 1st edition of 3TNV82A-KVA for VALPADANA.

Pub.No. : 000Y00W3220

Published : March, 2008

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNV82A-KVA	Tractor	1430	VALPADANA

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 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 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/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	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.

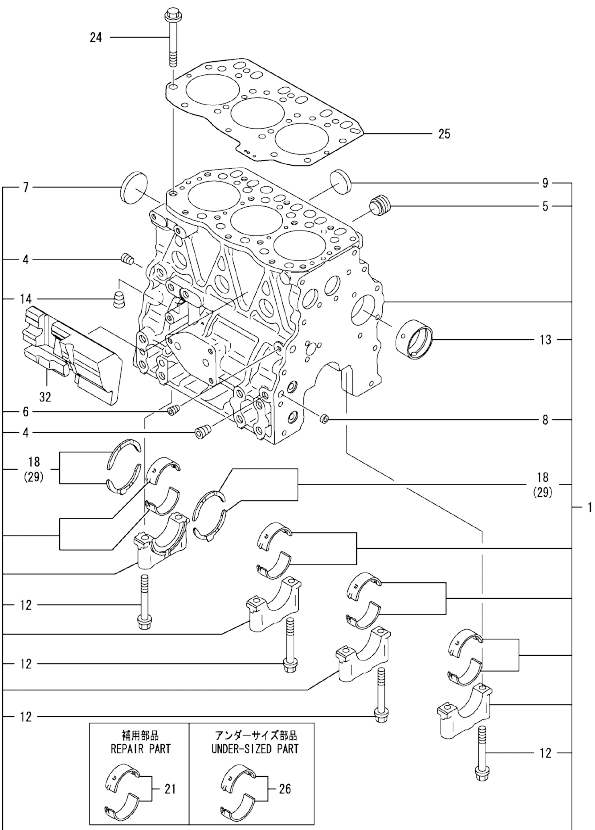
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
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13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

Fig.1. CYLINDER BLOCK

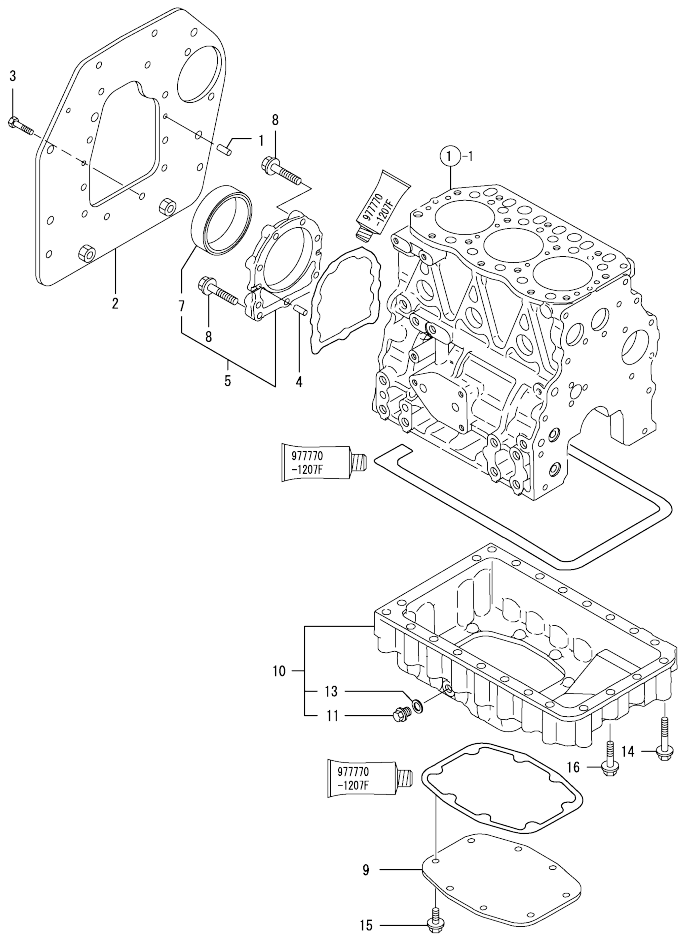


Remarks
(1) UNDER-SIZED(U.S=0.25)PART.
(2) OVER-SIZED(O.S=0.25)PART.
(3) REPAIR PART.

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							

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Fig.3. MOUNTING FLANGE & OIL SUMP



0CW10-M32200 Fig.3

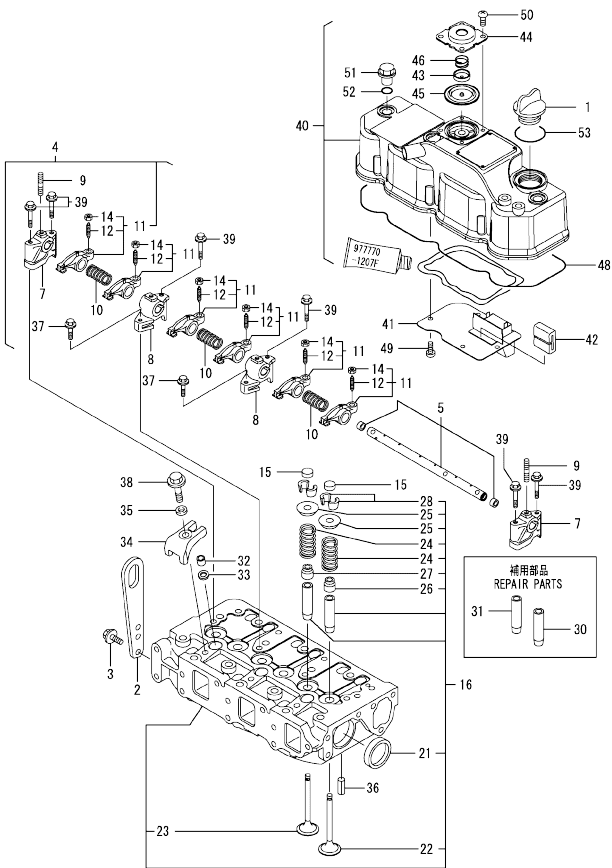
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(B)=
(C)=

(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	1	119852-01620	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	10							
4	1	129100-01580	PIN, M8X16	2							
5	1	129100-01640	CASE ASSY, OIL SEAL	1							
7	2	129795-01780	SEAL, OIL	1							
8	1	129486-01670	BOLT, M8X30	9							
9	1	119808-01720	COVER, OIL SUMP	1							
10	1	119808-01771	SUMP ASSY, OIL	1							
11	2	129054-01640	PLUG, DRAIN 12	1							
13	2	22190-120002	WASHER, SEAL 12	1							
14	1	129001-91810	BOLT, M8X70	20							
15	1	26106-080122	BOLT, M8X 12 PLATED	8							
16	1	26106-080552	BOLT, M8X 55 PLATED	2							

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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Fig.4. CYLINDER HEAD & BONNET



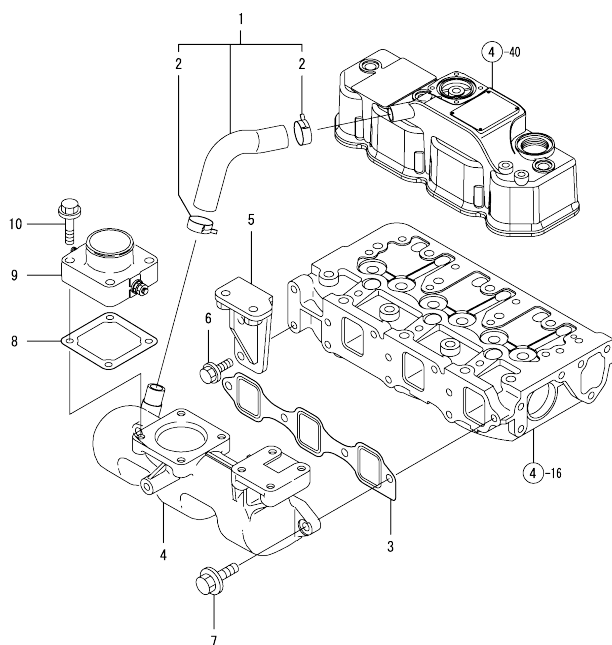
(A)=3TNV82A-KVA
(B)=
(C)=

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

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	1							
3	1	26106-080162	BOLT, M8X 16 PLATED	2							
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	119802-11700	HEAD ASSY, CYLINDER	1							
21	2	27241-400000	PLUG, 40	2							
22	2	119802-11100	VALVE, INTAKE	3							
23	2	119802-11110	VALVE, EXHAUST	3							
24	2	119810-11120	SPRING, VALVE	6							
25	2	104211-11180	RETAINER, SPRING	6							
26	2	124160-11340	SEAL, VALVE STEM	3							
27	2	119803-11340	SEAL, VALVE STEM	3							
28	2	27310-070001	COTTER, 7	6							
30	1	124060-11800	GUIDE, VALVE	3							1
31	1	119802-11810	GUIDE, VALVE	3							1
32	1	119802-11870	PROTECTOR, NOZZLE	3							
33	1	119625-11880	SEAT, NOZZLE	3							
34	1	119802-11900	RETAINER, NOZZLE	3							
35	1	120270-54410	WASHER, INJECTOR	3							
36	1	22351-060012	PIN, SPRING 6.0X12	2							
37	1	26106-080252	BOLT, M8X 25 PLATED	2							
38	1	26106-080452	BOLT, M8X 45 PLATED	3							
39	1	26106-080502	BOLT, M8X 50 PLATED	6							
40	1	119802-11350	BONNET ASSY, HEAD	1							
41	2	119802-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
48	2	119802-11310	GASKET, BONNET	1							
49	2	22857-500100	SCREW, 5X10	4							
50	2	22857-500100	SCREW, 5X10	4							
51	1	124160-11360	KNOB	3							
52	1	24311-000120	O-RING, 1AP12.0	3							
53	1	24311-000320	O-RING, 1AP32.0	1							

Remarks
(1) REPAIR PART.

Fig.5. SUCTION MANIFOLD



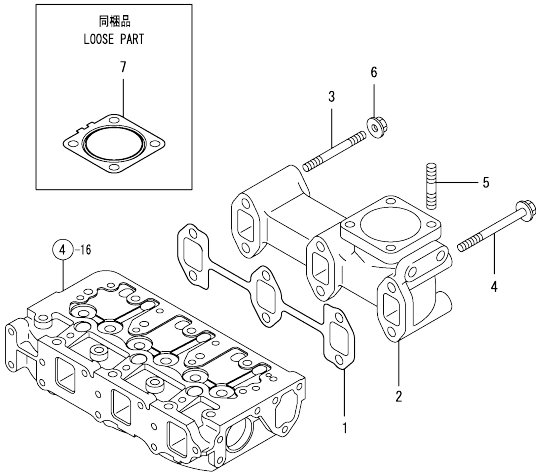
0CW10-M32200 Fig.5

(A)=3TNV82A-KVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119802-03090	PIPE , BREATHER	1							
2	2	129410-03990	CLIP	2							
3	1	119810-12112	GASKET, MANIFOLD	1							
4	1	119802-12140	MANIFOLD, AIR INTAKE	1							
5	1	119802-55620	BRACKET, FILTER	1							
6	1	26106-080162	BOLT, M8X 16 PLATED	2							
7	1	26106-080252	BOLT, M8X 25 PLATED	4							
8	1	129150-77511	GASKET	1							
9	1	129120-77502	HEATER	1							
10	1	26106-080352	BOLT, M8X 35 PLATED	4							

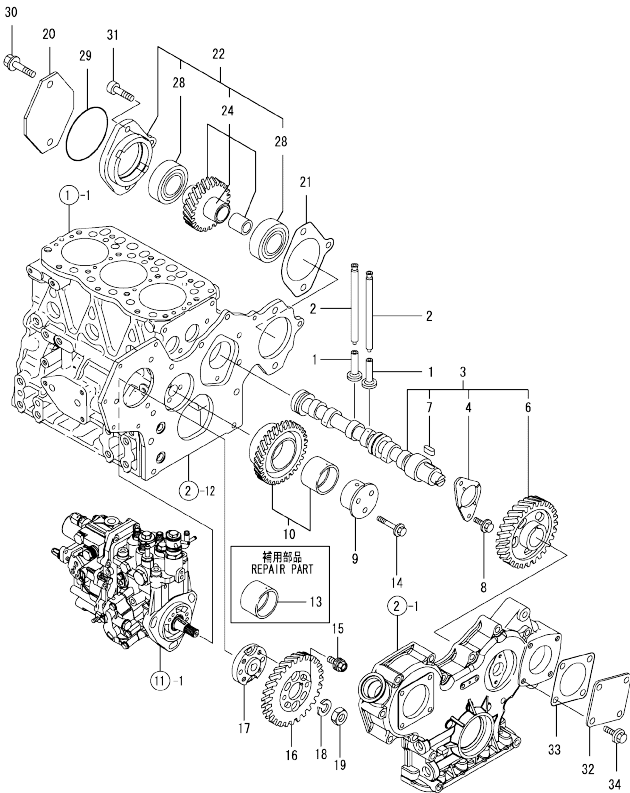
0CW10-M32200 3TNV82A-KVA
Fig.6. EXHAUST MANIFOLD



				0CW10-M32200		Fig.6			
				(A)=3TNV82A-KVA		(D)=			
				(B)=		(E)=			
				(C)=		(F)=			
				Q'ty		I R			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	119810-13110	GASKET	1					
2	1	119888-13101	MANIFOLD, EXHAUST	1					
3	1	119802-13740	STUD, M8X60	2					
4	1	119802-13640	BOLT, M8X60 10.9T	4					
5	1	119131-18320	STUD, M8X22	4					
6	1	26306-080002	NUT, M8	2					
7	1	129004-13200	GASKET, SILENCER	1					

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Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

0CW10-M32200 Fig.7

(A)=3TNV82A-KVA
(B)=
(C)=

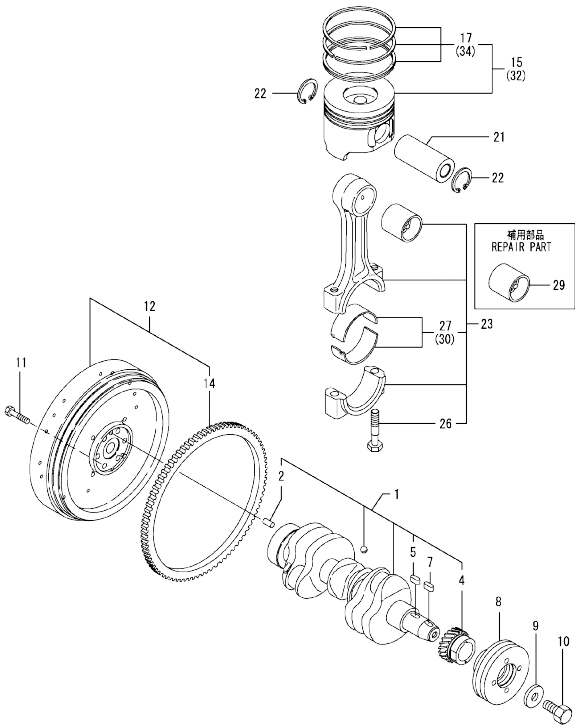
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	119810-14400	ROD, PUSH	6							
3	1	119802-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080142	BOLT, M8X 14 PLATED	2							
9	1	119802-25051	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	119802-25071	BUSH, IDLE GEAR	1							1
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	158552-51151	FLANGE	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	26776-140002	NUT, LOCK M14	1							
20	1	121023-26070	COVER	1							
21	1	171353-26081	GASKET	1							
22	1	129051-26200	DRIVE ASSY, PUMP	1							
24	2	129051-26210	GEAR ASSY, PUMP	1							
28	2	24105-060064	BEARING, BALL 6006Z	2							
29	1	24321-000850	O-RING, 1AG85.0	1							
30	1	26106-100452	BOLT, M10X 45 PLATED	2							
31	1	26450-080282	BOLT, M8X 28	1							
32	1	124240-01871	COVER	1							
33	1	124240-01883	GASKET	1							
34	1	26106-080162	BOLT, M8X 16 PLATED	4							

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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Fig.8. CRANKSHAFT & PISTON



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

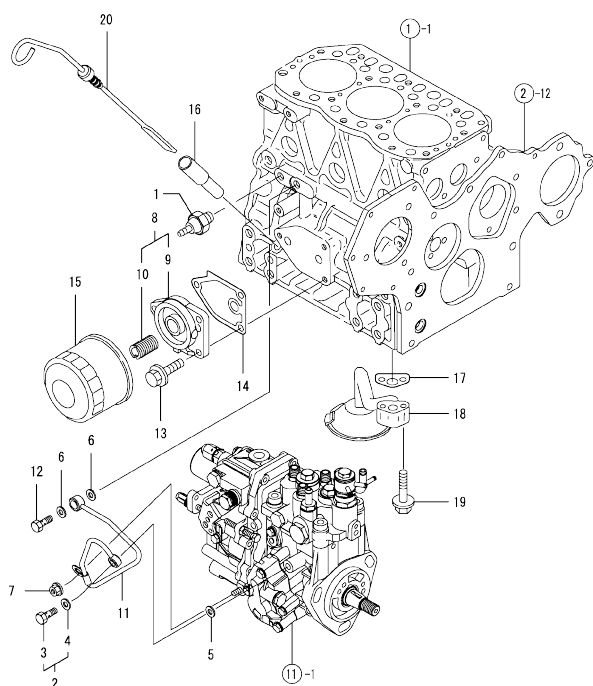
0CW10-M32200 Fig.8

(A)=3TNV82A-KVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119802-21202	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22512-070140	KEY, 7X 14	1							
8	1	119852-21650	V-PULLEY, 120	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	119852-21570	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	119802-22080	PISTON ASSY	3							
17	2	119802-22500	RING SET, PISTON	3							
21	1	119813-22300	PIN, PISTON	3							
22	1	129792-22400	CIRCLIP, 23	6							
23	1	719810-23100	ROD ASSY, CONNECTING	3							
26	2	119810-23200	BOLT, CONNECTING ROD	6							
27	2	119810-23601	BEARING, CRANK PIN	3							
29	1	119810-23910	BEARING, PISTON PIN	3							1
30	1	119810-23611	BEARING, 0.25 US	3							2
32	1	119802-22900	PISTON ASSY, 0.25 OS	3							3
34	2	119802-22950	RING SET, 0.25 OS	3							3

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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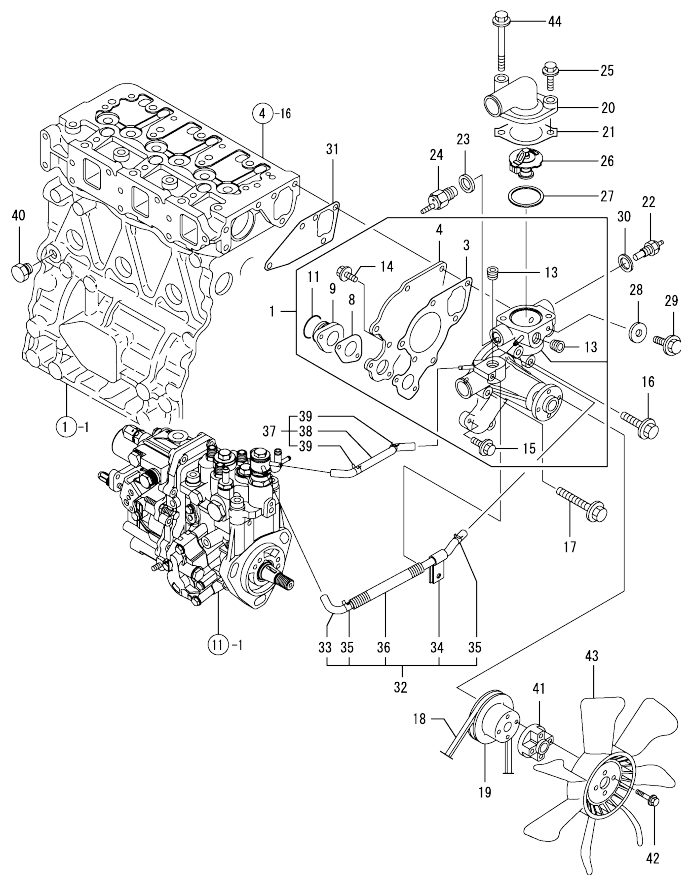
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-39450	SWITCH, 0.5KG	1							
2	1	129005-59830	BOLT ASSY, JOINT M8	1							
3	2	23857-030000	BOLT, JOINT 3	1							
4	2	22190-080002	WASHER, SEAL 6	1							
5	1	22190-080002	WASHER, SEAL 6	1							
6	1	22190-100002	WASHER, 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	121520-34810	GUIDE, DIPSTICK	1							
17	1	129150-35042	GASKET	1							
18	1	119867-35090	PIPE ASSY, OIL INLET	1							
19	1	26106-080352	BOLT, M8X 35 PLATED	2							
20	1	119852-34801	DIPSTICK, OIL	1							

Remarks
(1) REPAIR PART.

N:Old ^{YES}/_{NO} New. Q:Old ^{NO}/_{YES} New. R:Old ^{YES}/_{YES} New. S:Old ^{NO}/_{NO} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

0CW10-M32200 3TNV82A-KVA

Fig.10. COOLING WATER SYSTEM



0CW10-M32200 Fig.10

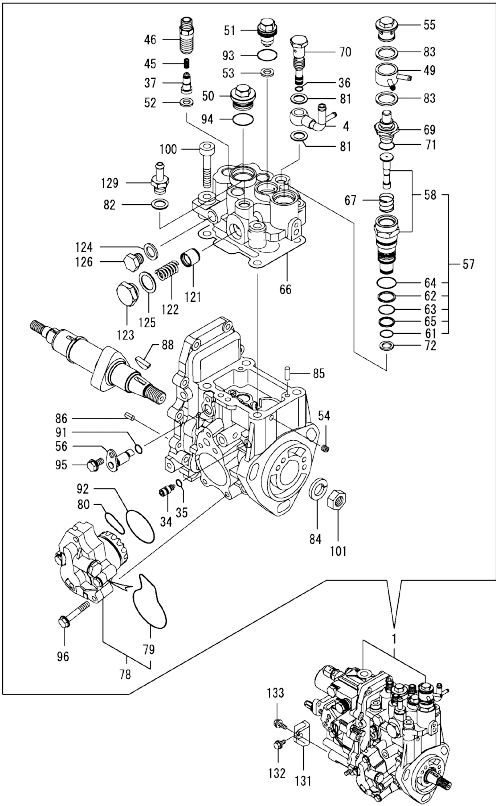
(A)=3TNV82A-KVA
(B)=
(C)=

(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							
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	129612-42350	V-BELT, A38	1							
19	1	129550-42350	V-PULLEY, D=120	1							
20	1	124101-49531	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	26106-080252	BOLT, M8X 25 PLATED	1							
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	121267-44741	FAN, COOLING D=360	1							
44	1	26106-080652	BOLT, M8X 65 PLATED	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).

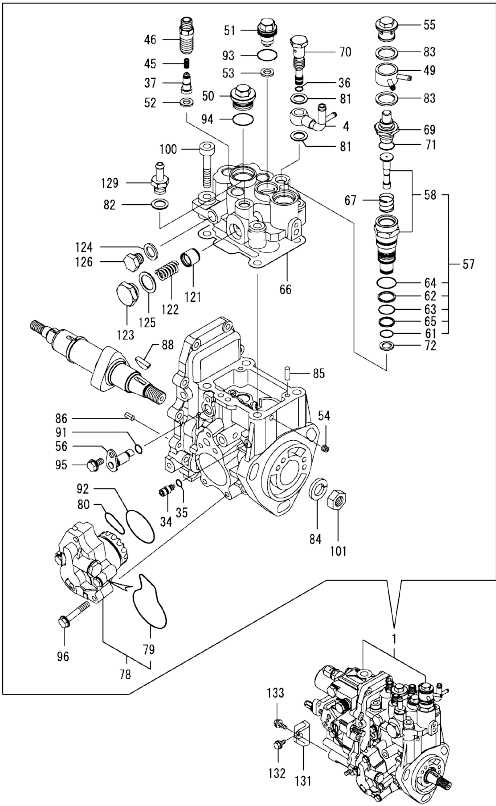
(A)=3TNV82A-KVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719852-51340	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
34	2	158600-51270	STOPPER, TAPPET	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	158563-51281	O-RING, 4D S6	1							
36A	2	129509-51390	VALVE ASSY, DELIVERY	3							W
(A=2008.04.)											
45	3	158563-51330	SPRING, DELIVERY	3							
49	2	158553-51551	JOINT	1							
50	2	158601-51550	PLUG	1							
51	2	119802-51560	PLUG, BARREL	1							
52	2	158552-51570	GASKET	3							
53	2	158552-51570	GASKET	1							
54	2	158557-51570	PLUG	1							
55	2	158601-51570	PLUG	1							
56	2	158552-51580	LIFTER	1							
57	2	119802-51590	TIMER SET	1							
58	3	119802-51600	TIMER ASSY	1							
61	3	158553-51670	O-RING, 1011	1							
62	3	119802-51680	RING, BACK UP	1							
63	3	119802-51690	O-RING	1							
64	3	24356-010200	O-RING, 4D1020	1							
65	3	24372-000150	RING, BACK UP T2P15	1							
66	2	158552-51600	GASKET	1							
67	2	158553-51630	SPRING, TIMER	1							
69	2	158553-51640	ELEMENT	1							
70	2	158601-51650	JOINT, OVER FLOW	1							
71	2	158553-51660	O-RING, P14	1							
72	2	158553-51680	GASKET	1							
78	2	158552-52100	PUMP ASSY, FUEL FEED	1							
79	3	158552-52500	O-RING	1							
80	2	158552-52310	O-RING	1							
81	2	22190-120002	WASHER, SEAL 12	2							
82	2	22190-120002	WASHER, SEAL 12	1							
83	2	22190-180002	WASHER, SEAL 18	2							
84	2	22217-140000	WASHER, SPRING 14	1							
85	2	22312-050140	PIN, PARALLEL M5X14	2							
86	2	22351-050010	PIN, SPRING 5.0X10	2							
88	2	119802-51090	KEY, 4X16	1							
91	2	24311-000070	O-RING, 1AP7.0	1							
92	2	158552-52400	O-RING, 4E S42	1							
93	2	24356-010180	O-RING, 4D1018	1							
94	2	24356-010200	O-RING, 4D1020	1							
95	2	26106-060102	BOLT, M6X 10 PLATED	1							
96	2	158553-51770	BOLT	4							
100	2	26450-080452	BOLT, M8X 45	4							
101	2	26776-140002	NUT, LOCK M14	1							
121	2	158601-51770	PISTON	1							
122	2	158552-51781	SPRING	1							
123	2	158601-51790	PLUG	1							
124	2	22190-120002	WASHER, SEAL 12	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



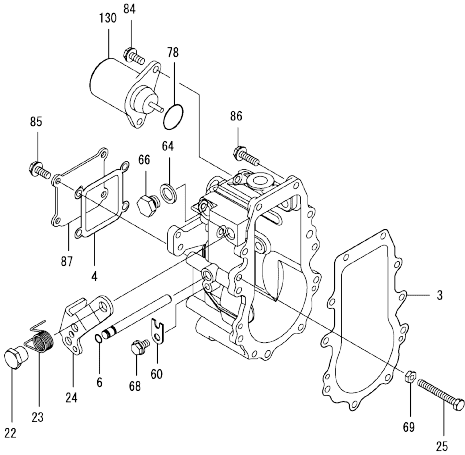
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

(A)=3TNV82A-KVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
125	2	22190-180002	WASHER, SEAL 18	1							
126	2	23887-120002	PLUG, 12	1							
129	2	119934-59910	JOINT, PIPE	1							
131	1	119802-51250	RETAINER, PUMP	1							
132	1	26106-080162	BOLT, M8X 16 PLATED	1							
133	1	26106-080202	BOLT, M8X 20 PLATED	1							

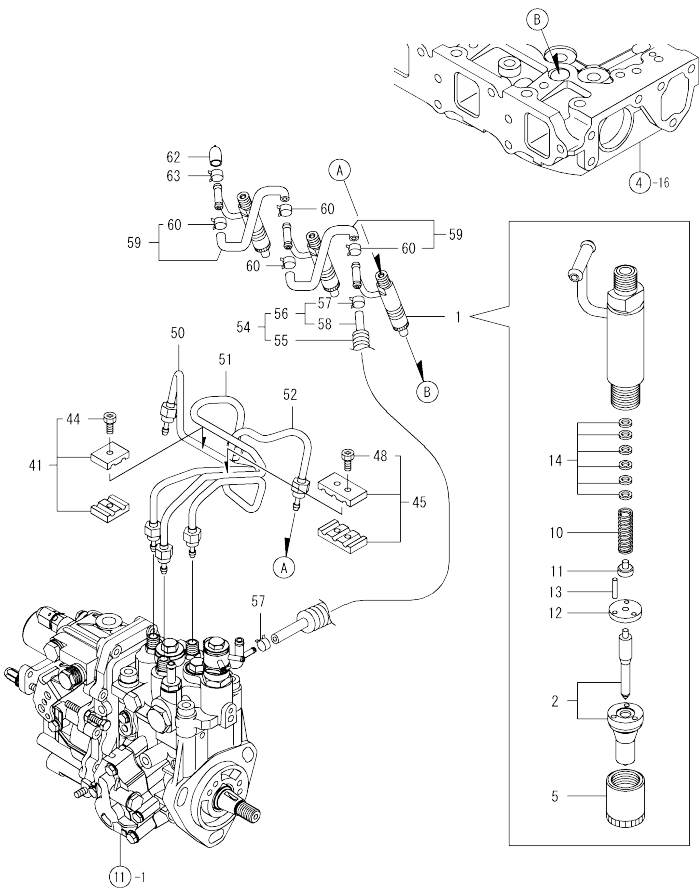
Fig.12. GOVERNOR



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							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
22	2	129255-61410	NUT, LOCK	1							
23	2	119807-61420	SPRING, RETURN	1							
24	2	158552-61441	LEVER, REGULATOR	1							
25	2	129155-61460	BOLT, IDLE	1							
60	2	119660-61901	RETAINER, SHAFT	1							
64	2	22190-120000	WASHER, SEAL 12	1							
66	2	23887-120002	PLUG, 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
78	2	158552-61900	O-RING	1							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060142	BOLT, M6X 14 PLATED	4							
86	2	26106-060202	BOLT, M6X 20 PLATED	10							
87	2	129642-61060	COVER, GOVERNOR CASE	1							
130	2	119653-77950	SOLENOID, STOP	1							

Fig.13. FUEL INJECTION VALVE

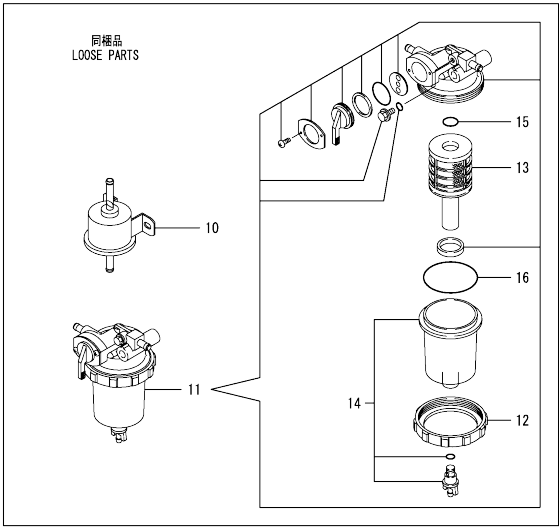
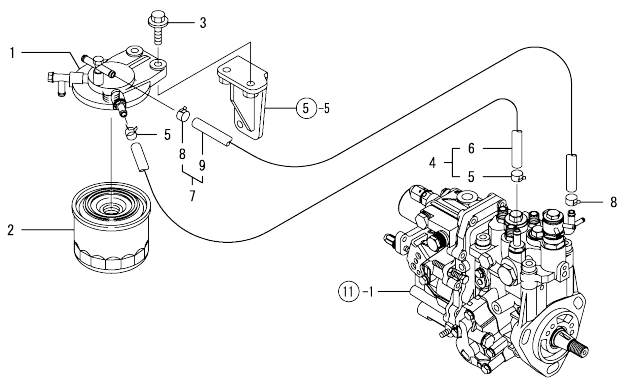


(A)=3TNV82A-KVA
(B)=
(C)=

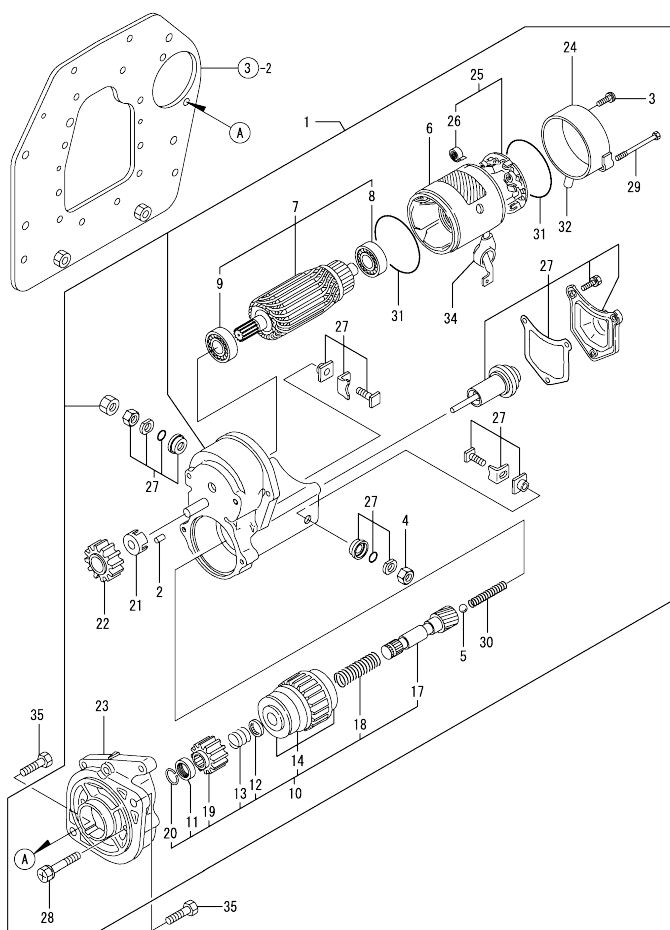
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-53101	VALVE ASSY,INJECTION	3							
2	2	119802-53001	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	119802-59960	PIPE ASSY, INJECTION	1							
51	1	119802-59970	PIPE ASSY, INJECTION	1							
52	1	119802-59980	PIPE ASSY, INJECTION	1							
54	1	129263-59550	PIPE ASSY, RETURN	1							
55	2	129486-59320	TUBE, CORRUGATED	1							
56	2	119802-59550	PIPE ASSY, RETURN	1							
57	3	124722-59050	CLIP, HOSE 9	2							
58	3	119802-59560	PIPE, FUEL RETURN	1							
59	1	129486-59551	PIPE ASSY, RETURN	2							
60	2	124722-59050	CLIP, HOSE 9	4							
62	1	119593-59581	CAP	1							
63	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL LINE

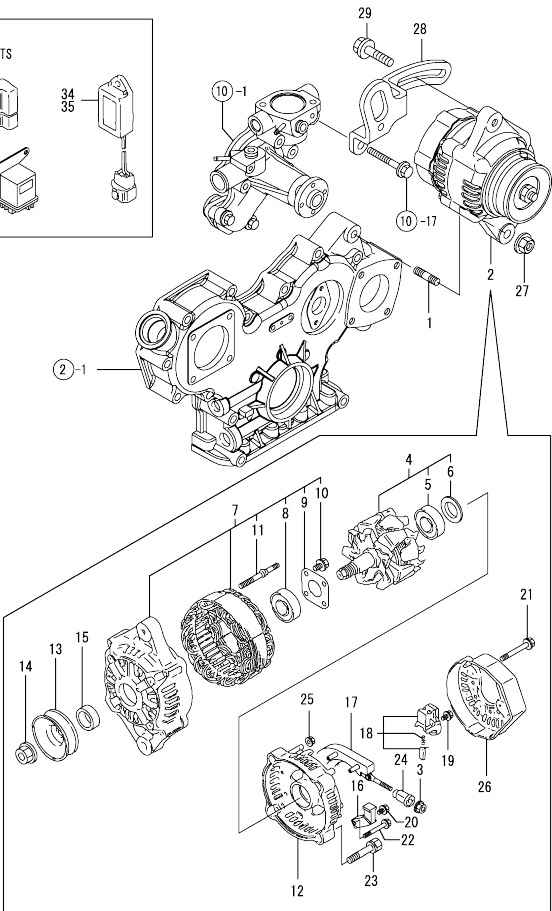
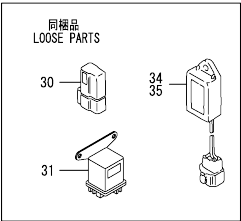


										0CW10-M32200 Fig.14	
										(A)=3TNV82A-KVA	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	119940-59020	PIPE ASSY, FUEL L340	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129255-59580	PIPE, FUEL	1							
7	1	129210-59070	PIPE ASSY, FUEL	1							
8	2	124766-59050	CLIP, HOSE 12	2							
9	2	105025-59760	PIPE, FUEL	1							
10	1	119225-52102	PUMP ASSY, FUEL FEED	1							
11	1	119802-55700	SEPARATOR ASSY	1							
12	2	129100-55690	RING, RETAINING	1							
13	2	119802-55710	ELEMENT	1							
14	2	119802-55730	CUP ASSY	1							
15	2	24311-000160	O-RING, 1AP16.0	1							
16	2	24321-000650	O-RING, 1AG65.0	1							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120202	BOLT, M12X 20 PLATED	2							

Fig.16. GENERATOR

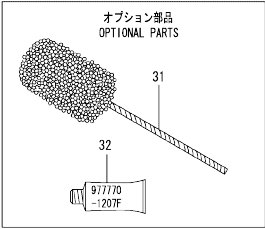
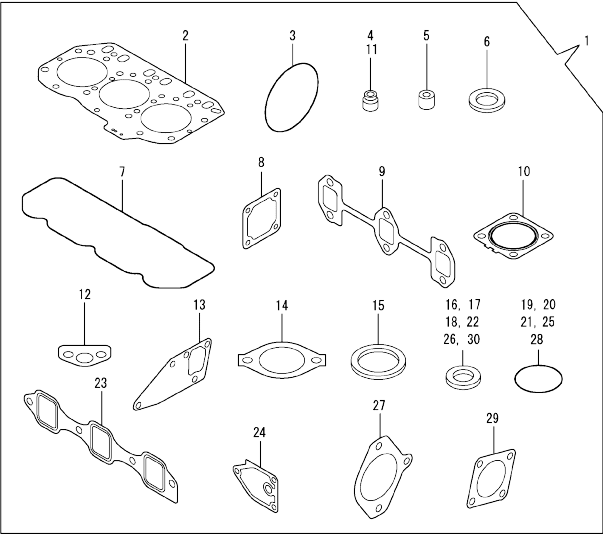


(A)=3TNV82A-KVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	BOLT, STUD M10X33	1							
2	1	119626-77210	ALTERNATOR, 12V-55A	1							
3	2	X9490561001	NUT	1							
4	2	129052-77380	ROTOR ASSY	1							
5	3	125301-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	BOLT, STUD	2							
12	2	128401-77440	COVER	1							
13	2	119620-77461	PULLEY, GENERATOR	1							
14	2	119620-77471	NUT	1							
15	2	119620-77490	COLLAR	1							
16	2	119626-77710	REGULATOR ASSY	1							
17	2	129052-79260	HOLDER	1							
18	2	129052-79270	HOLDER, BRUSH	1							
19	2	119620-79290	SCREW	6							
20	2	119620-79300	SCREW	1							
21	2	119620-79310	BOLT	3							
22	2	119620-79320	SCREW	2							
23	2	119620-79330	BOLT	2							
24	2	119620-79340	BUSH, INSULATION	1							
25	2	119620-79350	NUT	2							
26	2	119626-77450	FRAME	1							
27	1	26306-100002	NUT, M10	1							
28	1	119583-77330	ADJUSTER	1							
28-1	1	119960-77310	ADJUSTER, BELT	1							N
(A="2020.11)											
29	1	119810-77340	BOLT, ADJUST L=30	1							
30	1	119643-66900	DIODE	1							
31	1	119650-77910	RELAY ASSY, GLOW	1							
34	1	128300-77920	TIMER	1							
35	1	129211-77920	TIMER	1							

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	719812-92710	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	1							
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	2							
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	119609-32040	O-RING, P16	4							
26	2	124465-44950	GASKET, 16	1							
27	2	171353-26081	GASKET	1							
28	2	24321-000850	O-RING, 1AG85.0	1							
29	2	124240-01883	GASKET	1							
30	2	22190-120002	WASHER, SEAL 12	1							
31	1	129400-92420	HONE	1							1
32	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	25
104211-11370	4	15
105025-59760	14	9
114250-39450	9	1
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
119131-18320	6	5
119225-52102	14	10
119305-59120	13	41
119583-77330	16	28
119593-59581	13	62
119609-32040	2	17
	17	25
119620-02020	1	12
119620-77461	16	13
119620-77471	16	14
119620-77490	16	15
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	19
119620-79300	16	20
119620-79310	16	21
119620-79320	16	22
119620-79330	16	23
119620-79340	16	24
119620-79350	16	25
119625-11880	4	33
	17	6
119626-77210	16	2
119626-77450	16	26
119626-77710	16	16
119643-66900	16	30
119650-77910	16	31
119653-77950	12	130
119660-61901	12	60
119802-01190	1	32
119802-01561	2	13
119802-03010	4	41
119802-03090	5	1
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46
119802-11100	4	22

Parts No.	Fig. No.	Ref. No.
119802-11110	4	23
119802-11241	4	4
119802-11251	4	5
119802-11260	4	7
119802-11270	4	8
119802-11280	4	9
119802-11310	4	48
	17	7
119802-11350	4	40
119802-11650	4	11
119802-11700	4	16
119802-11810	4	31
119802-11870	4	32
	17	5
119802-11900	4	34
119802-12140	5	4
119802-13640	6	4
119802-13740	6	3
119802-14580	7	3
119802-21002	8	1
119802-21202	8	4
119802-22080	8	15
119802-22500	8	17
119802-22900	8	32
119802-22950	8	34
119802-25051	7	9
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-32070	2	7
119802-32100	2	6
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
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	88
119802-51250	11	131
119802-51560	11	51
119802-51590	11	57
119802-51600	11	58
119802-51680	11	62
119802-51690	11	63

Parts No.	Fig. No.	Ref. No.
119802-53001	13	2
119802-55620	5	5
119802-55700	14	11
119802-55710	14	13
119802-55730	14	14
119802-55801	14	2
119802-59320	10	36
119802-59550	13	56
119802-59560	13	58
119802-59960	13	50
119802-59970	13	51
119802-59980	13	52
119803-11340	4	27
	17	4
119803-53400	13	14
119807-61420	12	23
119808-01720	3	9
119808-01771	3	10
119810-01200	1	24
119810-02871	1	26
119810-02931	1	18
119810-02941	1	29
119810-11120	4	24
119810-12112	5	3
	17	23
119810-13110	6	1
	17	9
	7	2
119810-14400	7	2
119810-23200	8	26
119810-23601	8	27
119810-23611	8	30
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119810-42120	10	4
119810-42281	10	8
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124766-59050	14	5
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129001-32330	2	10
129001-91810	3	14
129001-91841	2	22
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129054-42320	10	11
129100-01580	3	1
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129100-01640	3	5
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