

0CW10-M81300EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV82A-BDCRT for CARRARO.

Pub. No. : 0CW10-G81300

Published : January, 2013

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-BDCRT	TRACTOR	CARRARO

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	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New 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.

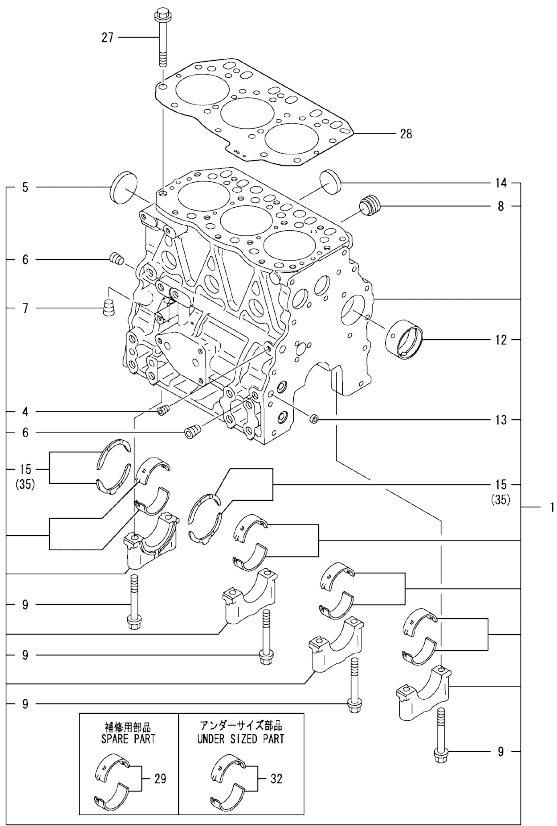
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

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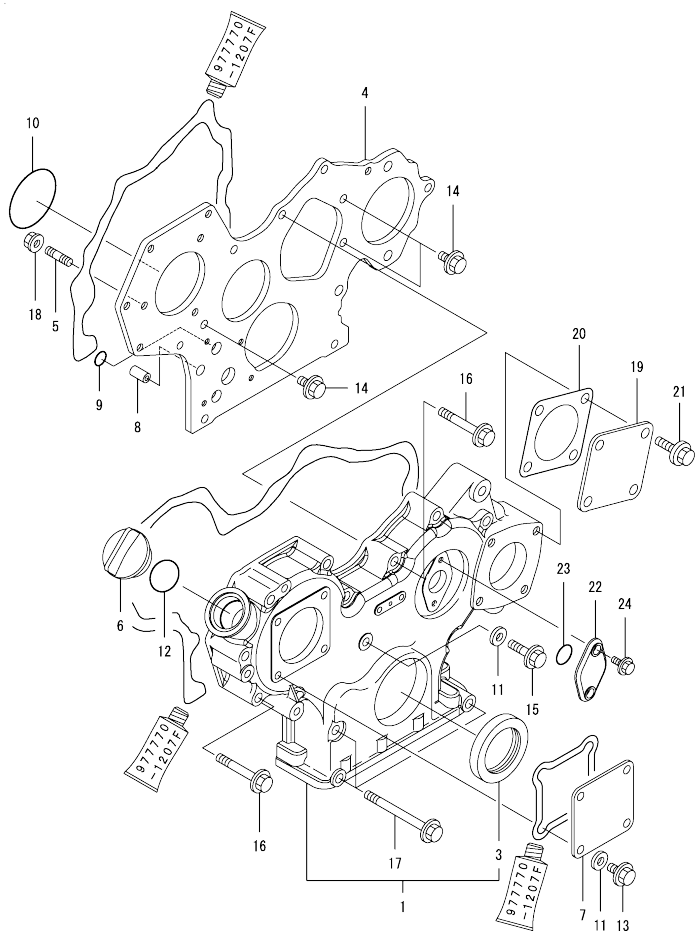
Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNV82A-BDCRT			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB. OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL FILTER		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

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Fig.1. CYLINDER BLOCK



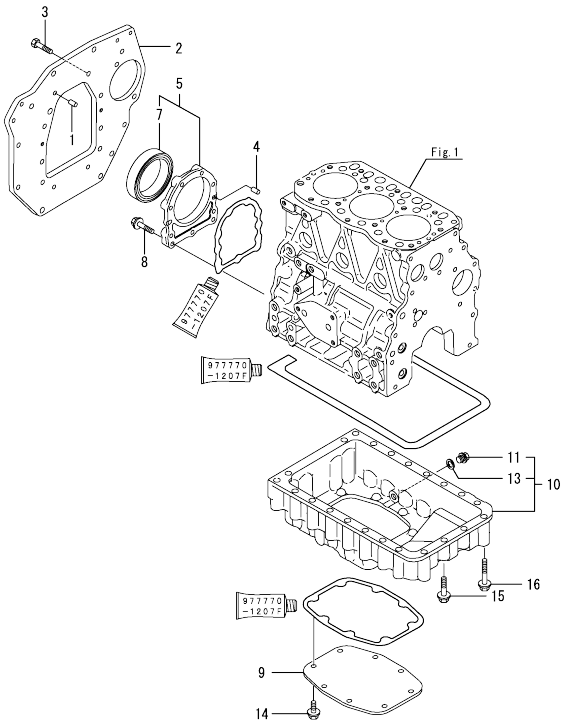
Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

							0CW10-M81300 Fig.1					
							(A)=3TNV82A-BDCRT (D)= (E)= (F)=					
							Q'ty					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	719802-01560	BLOCK ASSY, CYLINDER	1								
4	2	124060-01050	PLUG, PT1/8	1								
5	2	129001-01250	PLUG, 50	1								
6	2	124160-01910	PLUG, PT1/4	2								
7	2	124160-01910	PLUG, PT1/4	1								
8	2	171051-01921	PLUG, NPTF1	1								
9	2	119620-02020	BOLT, METAL CAP	8								
12	2	129795-02412	BUSH, CAMSHAFT	1								
13	2	27241-120000	PLUG, 12	2								
14	2	27241-300000	PLUG 30	6								
15	2	119717-02930	BEARING, THRUST	2								
27	1	119810-01200	BOLT, HEAD	14								
28	1	119812-01330	GASKET, HEAD	1								
29	1	719810-02981	BEARING, MAIN	4								1
32	1	119810-02871	BEARING, 0.25 US	4								2
35	1	119810-02941	BEARING, THRUST 0.25	2								3



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729652-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	129604-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	STUD, M8X25	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	129795-01950	PIPE, KNOCK L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 6	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							
14	1	26106-080162	BOLT, M8X 16 PLATED	3							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	10							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	124240-01871	COVER	1							
20	1	129C26-01890	GASKET, HO-P	1							
21	1	26106-080162	BOLT, M8X 16 PLATED	4							
22	1	121023-01551	COVER	1							
23	1	24341-000240	O-RING, 1AS24.0	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	2							

Fig.3. MOUNTING FLANGE & OIL SUMP



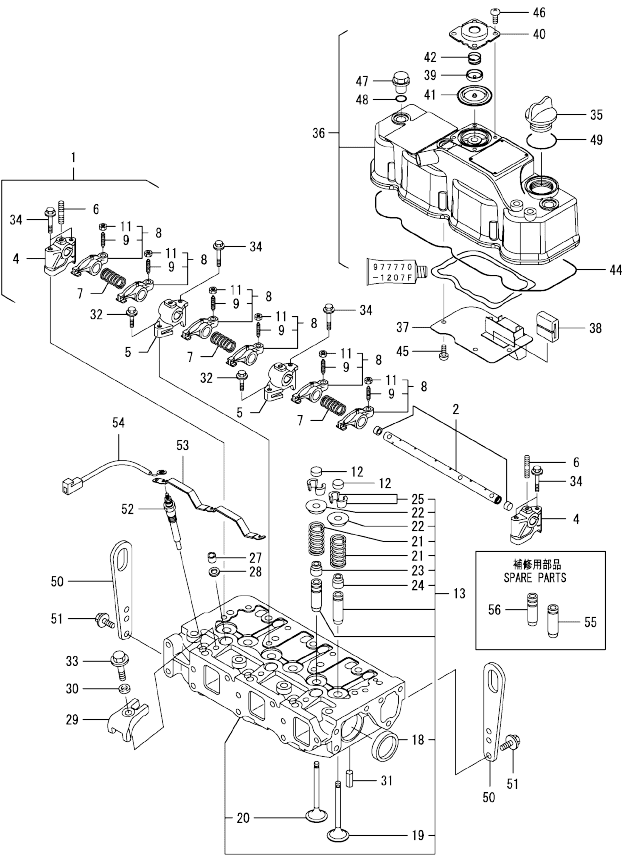
(A)=3TNV82A-BDCRT
(B)=
(C)=

(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	129129-01600	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	8							
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	26106-080122	BOLT, M8X 12 PLATED	8							
15	1	26106-080552	BOLT, M8X 55 PLATED	2							
16	1	26106-080702	BOLT, M8X 70 PLATED	20							

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare part.

0CW10-M81300 Fig.4

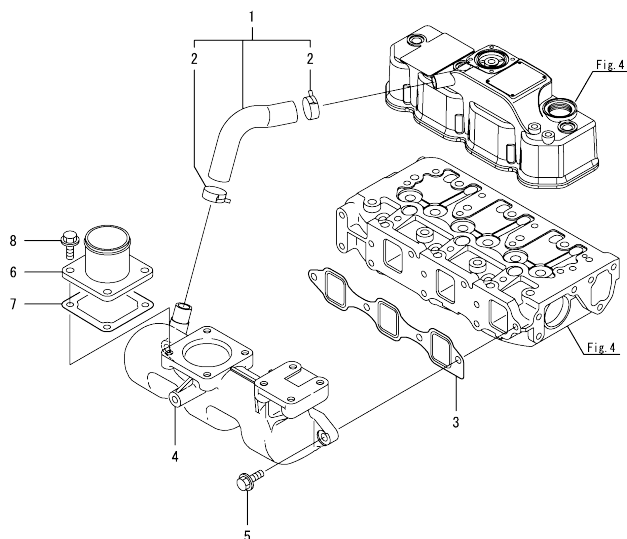
(A)=3TNV82A-BDCRT
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-11241	SHAFT ASSY,ROCKER	1							
2	2	119802-11251	SHAFT,ROCKER ARM	1							
4	2	119802-11260	SUPPORT,ROCKER ARM	2							
5	2	119802-11270	SUPPORT,ROCKER ARM	2							
6	2	119802-11280	STUD	3							
7	2	129150-11280	SPRING	3							
8	2	119802-11650	ARM,ROCKER	6							
9	3	129150-11230	SCREW, VALVE ADJUST	6							
11	3	129150-11750	NUT, M8	6							
12	1	104211-11370	CAP, VALVE	6							
13	1	119803-11700	HEAD ASSY, CYLINDER	1							
18	2	27241-400000	PLUG, 40	2							
19	2	119802-11100	VALVE, INTAKE	3							
20	2	119802-11110	VALVE, EXHAUST	3							
21	2	119810-11120	SPRING, VALVE	6							
22	2	104211-11180	RETAINER, SPRING	6							
23	2	119803-11340	SEAL, VALVE STEM	3							
24	2	124160-11340	SEAL, VALVE STEM	3							
25	2	27310-070001	COTTER, 7	6							
27	1	119802-11870	PROTECTOR, NOZZLE	3							
28	1	119625-11880	SEAT, NOZZLE	3							
29	1	119802-11900	RETAINER, NOZZLE	3							
30	1	120270-54410	WASHER, INJECTOR	3							
31	1	22351-060012	PIN, SPRING 6.0X12	2							
32	1	26106-080252	BOLT, M8X 25 PLATED	2							
33	1	26106-080452	BOLT, M8X 45 PLATED	3							
34	1	26106-080502	BOLT, M8X 50 PLATED	6							
35	1	124160-01751	COVER, FILLER	1							
36	1	119802-11350	BONNET ASSY, HEAD	1							
37	2	119802-03010	PLATE	1							
38	2	129150-03070	BAFFLE, BREATHER	1							
39	2	119802-03110	PLATE	1							
40	2	119802-03121	COVER, DIAPHRAGM	1							
41	2	119802-03130	DIAPHRAGM	1							
42	2	119802-03141	SPRING, DIAPHRAGM	1							
44	2	119802-11310	GASKET, BONNET	1							
45	2	22857-500100	SCREW, 5X10	4							
46	2	22857-500100	SCREW, 5X10	4							
47	1	124160-11360	KNOB	3							
48	1	24311-000120	O-RING, 1AP12.0	3							
49	1	24311-000320	O-RING, 1AP32.0	1							
50	1	129900-07900	LIFTER	2							
51	1	26106-080162	BOLT, M8X 16 PLATED	4							
52	1	129008-77800	PLUG, GLOW	3							
53	1	119803-77821	CONNECTOR, GLOW PLUG	1							
54	1	119803-77830	HARNES, WIRE	1							
55	1	124060-11800	GUIDE, VALVE	3							1
56	1	119802-11810	GUIDE, VALVE	3							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.5. SUCTION MANIFOLD



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

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

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	26106-080252	BOLT, M8X 25 PLATED	4							
6	1	129486-12581	JOINT, MANIFOLD	1							
7	1	129150-77511	GASKET	1							
8	1	26106-080202	BOLT, M8X 20 PLATED	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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Fig.6. EXHAUST MANIFOLD



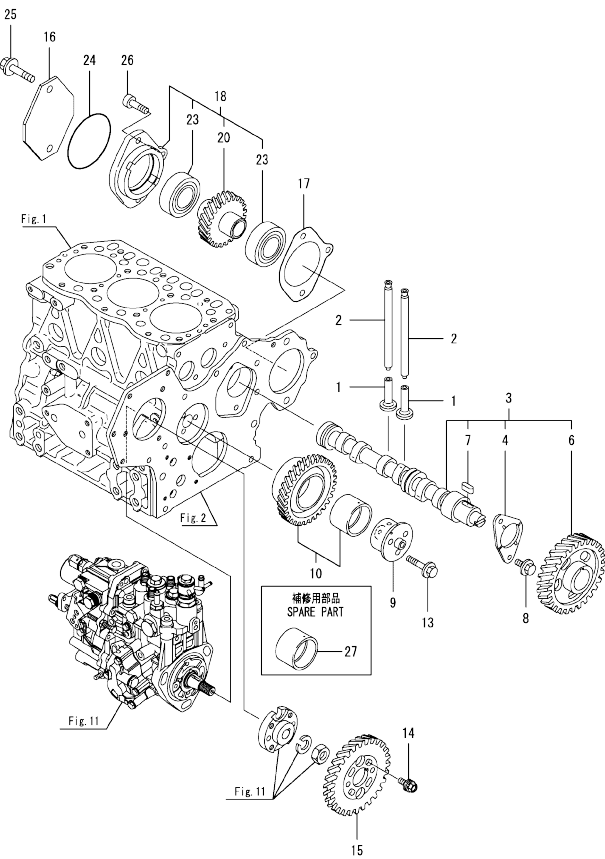
(D)=
(E)=
(F)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119888-13101	MANIFOLD, EXHAUST	1							
2	1	119810-13110	GASKET	1							
3	1	119802-13640	BOLT, M8X60 10.9T	4							
4	1	119802-13740	STUD, M8X60	2							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							

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

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare part.

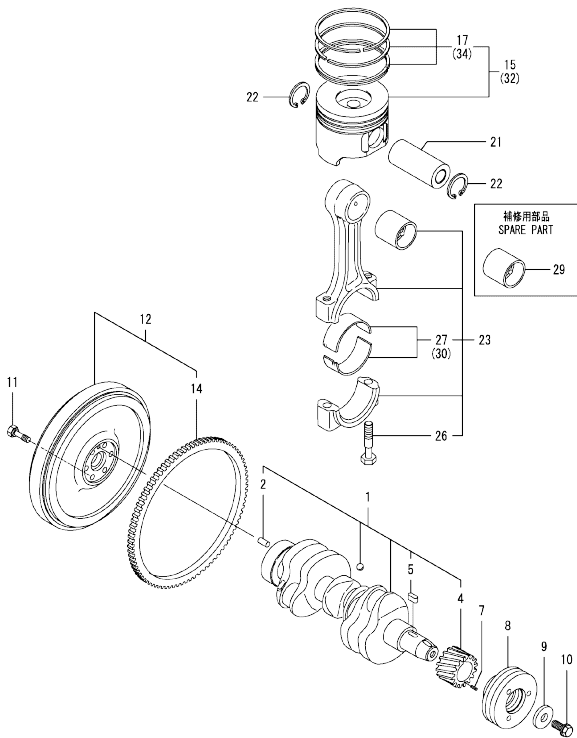
(A)=3TNV82A-BDCRT
(B)=
(C)=

(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	119803-25050	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	26106-080402	BOLT, M8X 40 PLATED	3							
14	1	129150-25301	BOLT	4							
15	1	119802-25901	GEAR, PUMP	1							
16	1	121023-26071	COVER	1							
17	1	171353-26081	GASKET	1							
18	1	129484-26200	DRIVE ASSY, PUMP	1							
20	2	129484-26210	GEAR ASSY	1							
23	2	24105-060064	BEARING, BALL 6006Z	2							
24	1	24321-000850	O-RING, 1AG85.0	1							
25	1	26106-100452	BOLT, M10X 45 PLATED	2							
26	1	26450-080282	BOLT, M8X 28	1							
27	1	119802-25071	BUSH, IDLE GEAR	1							1

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Fig.8. CRANKSHAFT & PISTON



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

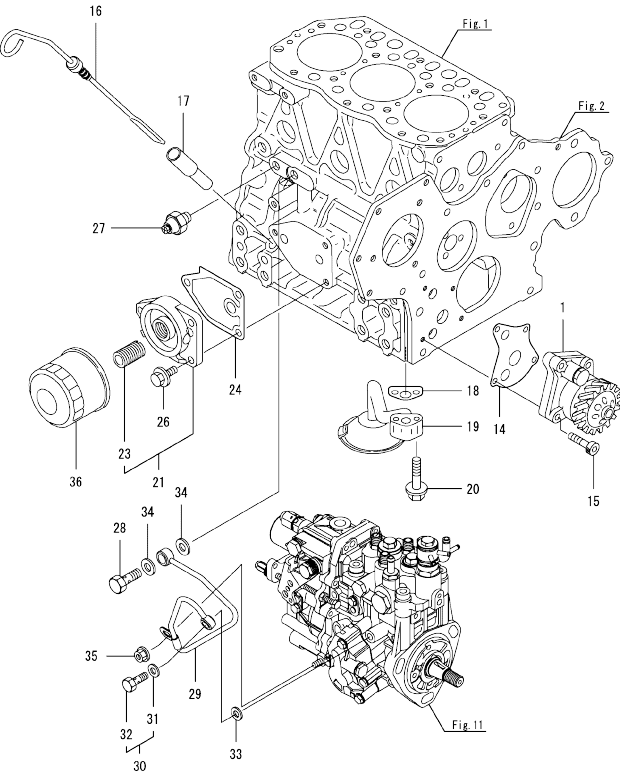
0CW10-M81300 Fig.8

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

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

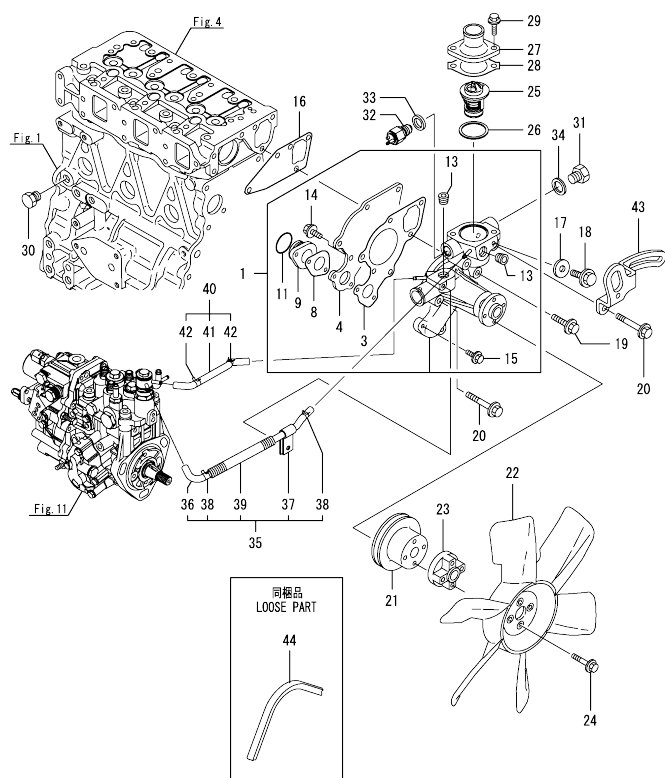
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119803-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119802-21650	V-PULLEY, 110	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	124160-21501	BOLT, FLYWHEEL	6							
12	1	119953-21580	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	119803-22080	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	719803-22900	PISTON ASSY, 0.25 OS	3							3
34	2	119802-22950	RING SET, 0.25 OS	3							3

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Fig.9. LUB. OIL SYSTEM



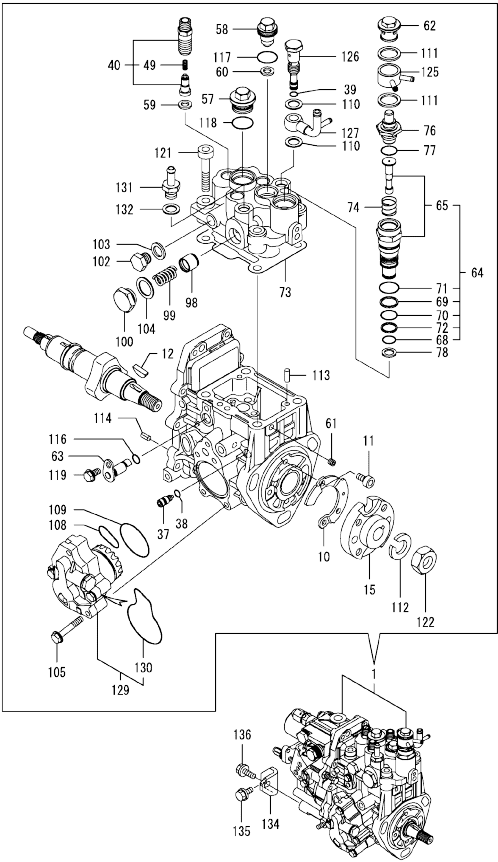
Remarks
(1)Spare part.

0CW10-M81300 Fig.9											
				(A)=3TNV82A-BDCRT	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	119852-34801	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35042	GASKET	1							
19	1	119867-35090	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	119802-35100	BRACKET ASSY, FILTER	1							
23	2	129100-35140	STUD	1							
24	1	129150-35111	GASKET	1							
26	1	26106-080202	BOLT, M8X 20 PLATED	3							
27	1	121252-39450	SWITCH, 0.5KG	1							
28	1	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	119802-39450	PIPE ASSY, OIL	1							
30	1	129005-59830	BOLT ASSY, JOINT M8	1							
31	2	22190-080002	WASHER, SEAL 6	1							
32	2	23857-030000	BOLT, JOINT 3	1							
33	1	22190-080002	WASHER, SEAL 6	1							
34	1	22190-100002	WASHER, SEAL 10	2							
35	1	26366-060002	NUT, M6	1							
36	1	129150-35153	FILTER	1							1



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119802-42001	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE, PUMP	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE, PUMP	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	129486-42050	GASKET, WATER PUMP	1							
17	1	23414-080000	GASKET, 8X1.0	1							
18	1	26106-080122	BOLT, M8X 12 PLATED	1							
19	1	26106-080352	BOLT, M8X 35 PLATED	1							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	129403-42380	V-PULLEY, D=110	1							
22	1	129354-44740	FAN, COOLING	1							
23	1	121267-44760	SPACER, FAN	1							
24	1	26106-060352	BOLT, M6X 35 PLATED	4							
25	1	129155-49801	THERMOSTAT, 71C	1							
26	1	129150-49811	GASKET, THERMOSTAT	1							
27	1	129350-49530	COVER, THERMOSTAT	1							
28	1	129795-49551	GASKET	1							
29	1	26106-080222	BOLT, M8X 22 PLATED	2							
30	1	171056-49120	PLUG, DRAIN R1/4	1							
31	1	121450-42450	PLUG, M16	1							
32	1	121250-44901	SWITCH, THERMO 110	1							
33	1	124465-44950	GASKET, 16	1							
34	1	124465-44950	GASKET, 16	1							
35	1	119802-49610	HOSE ASSY, WATER	1							
36	2	119802-49711	HOSE ASSY, WATER	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLAMP, HOSE 9	2							
39	2	119802-59320	TUBE, CORRUGATED	1							
40	1	119802-49620	HOSE ASSY, WATER	1							
41	2	119802-49721	HOSE ASSY, WATER	1							
42	2	124722-59050	CLAMP, HOSE 9	2							
43	1	119853-77330	ADJUSTER	1							
43-1	1	119960-77310	ADJUSTER, BELT	1							N
(A)=2020.11)											
44	1	119865-42290	V-BELT, A36.5	1							

Fig.11. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.12)is incorporated in this Fuel Injection Pump (Ref.1).

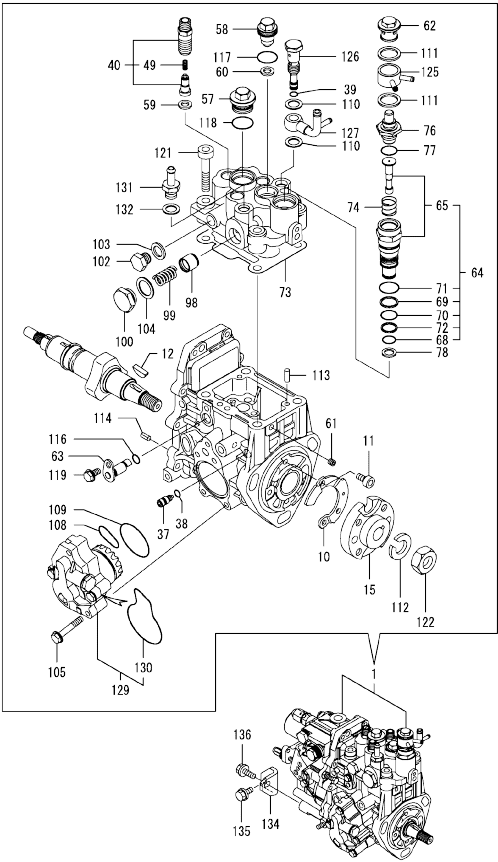
										0CW10-M81300 Fig.11	
										(A)=3TNV82A-BDCRT (D)= (B)= (E)= (C)= (F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719833-51301	PUMP ASSY, INJECTION	1							1
10	2	129008-51900	COVER, GEAR CASE	1							
11	2	129008-51920	BOLT, M6X10	2							
12	2	119802-51090	KEY, 4X16	1							
15	2	158552-51151	FLANGE	1							
37	2	158600-51270	STOPPER, TAPPET	1							
38	2	158563-51281	O-RING, 4D S6	1							
39	2	158563-51281	O-RING, 4D S6	1							
40	2	129008-51390	VALVE ASSY, DELIVERY	3							
49	3	158563-51330	SPRING, DELIVERY	3							
57	2	158601-51550	PLUG	1							
58	2	119802-51560	PLUG, BARREL	1							
59	2	158552-51571	GASKET	3							
60	2	158552-51571	GASKET	1							
61	2	158557-51570	PLUG	1							
62	2	158601-51570	PLUG	1							
63	2	158552-51580	LIFTER	1							
64	2	119802-51590	TIMER SET	1							
65	3	119802-51600	TIMER ASSY	1							
68	3	158553-51670	O-RING, 1011	1							
69	3	119802-51680	RING, BACK UP	1							
70	3	119802-51690	O-RING	1							
71	3	24356-190200	O-RING, 4D19020	1							
72	3	24372-000150	RING, BACK UP T2P15	1							
73	2	158552-51600	GASKET	1							
74	2	158553-51630	SPRING, TIMER	1							
76	2	158553-51650	ELEMENT	1							
77	2	158553-51660	O-RING, P14	1							
78	2	158553-51680	GASKET	1							
98	2	158601-51770	PISTON	1							
99	2	158552-51781	SPRING	1							
100	2	158601-51790	PLUG	1							
102	2	158553-51930	PLUG, M12	1							
103	2	22190-120002	WASHER, SEAL 12	1							
104	2	22190-180002	WASHER, SEAL 18	1							
105	2	158553-51770	BOLT	4							
108	2	158552-52311	O-RING	1							
109	2	158552-52400	O-RING, 4E S42	1							
110	2	22190-120002	WASHER, SEAL 12	2							
111	2	22190-180002	WASHER, SEAL 18	2							
112	2	22217-140000	WASHER, SPRING 14	1							
113	2	22312-050140	PIN, PARALLEL M5X14	2							
114	2	22351-050010	PIN, SPRING 5.0X10	2							
116	2	24311-000070	O-RING, 1AP7.0	1							
117	2	24356-190180	O-RING, 4D19018	1							
118	2	24356-190200	O-RING, 4D19020	1							
119	2	26106-060102	BOLT, M6X 10 PLATED	1							
121	2	26450-080452	BOLT, M8X 45	4							
122	2	26776-140002	NUT, LOCK M14	1							
125	2	158553-51551	JOINT	1							
126	2	158601-51650	JOINT, OVER FLOW	1							

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

++ CONTINUE ++

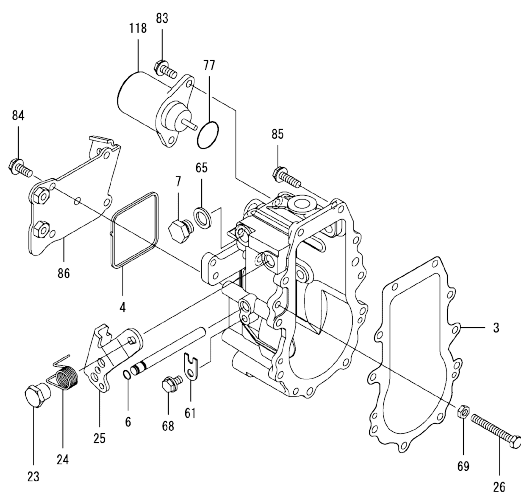
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Fig.11. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.12)is incorporated in this Fuel Injection Pump (Ref.1).

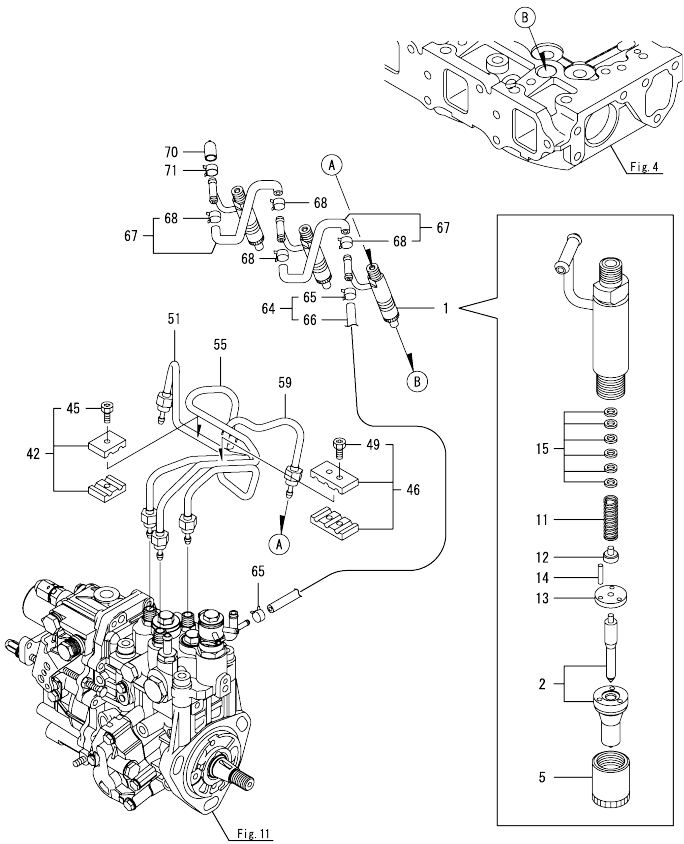
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
127	2	158552-51670	JOINT, OVER FLOW	1							
129	2	158552-52100	PUMP ASSY, FUEL FEED	1							
130	3	158552-52500	O-RING	1							
131	2	119934-59910	JOINT, PIPE	1							
132	2	22190-120002	WASHER, SEAL 12	1							
134	1	119802-51250	RETAINER, PUMP	1							
135	1	26106-080162	BOLT, M8X 16 PLATED	1							
136	1	26106-080202	BOLT, M8X 20 PLATED	1							



Remarks	*This figure(Governor)is incorporated in the Fuel Injection Pump (Fig.11).
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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
7	2	158553-51930	PLUG, M12	1							
23	2	129255-61410	NUT, LOCK	1							
24	2	19807-61420	SPRING, RETURN	1							
25	2	158552-61441	LEVER, REGULATOR	1							
26	2	129155-61460	BOLT, IDLE	1							
61	2	119660-61901	RETAINER, SHAFT	1							
65	2	22190-120002	WASHER, SEAL 12	1							
68	2	26106-060102	BOLT, M6x 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
77	2	158552-61900	O-RING	1							
83	2	26106-060142	BOLT, M6x 14 PLATED	2							
84	2	26106-060142	BOLT, M6x 14 PLATED	4							
85	2	26106-060202	BOLT, M6x 20 PLATED	10							
86	2	158552-61061	COVER, GOVERNOR CASE	1							
118	2	119653-77950	SOLENOID, STOP	1							

Fig.13. FUEL INJECTION VALVE



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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729008-53100	VALVE ASSY,INJECTION	3							
2	2	129008-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	119305-59120	RETAINER, PIPE	1							
45	2	129150-59131	BOLT, M4X14	1							
46	1	129150-59120	RETAINER, PIPE	1							
49	2	129150-59131	BOLT, M4X14	2							
51	1	119802-59960	PIPE ASSY, INJECTION	1							
55	1	119802-59970	PIPE ASSY, INJECTION	1							
59	1	119802-59980	PIPE ASSY, INJECTION	1							
64	1	119802-59550	PIPE ASSY, RETURN	1							
65	2	124722-59050	CLIP, HOSE 9	2							
66	2	119802-59560	PIPE, FUEL RETURN	1							
67	1	129486-59551	PIPE ASSY, RETURN	2							
68	2	124722-59050	CLIP, HOSE 9	4							
70	1	119593-59581	CAP	1							
71	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL FILTER

(D)=
(E)=

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

(C) (

NO. Le

1	1
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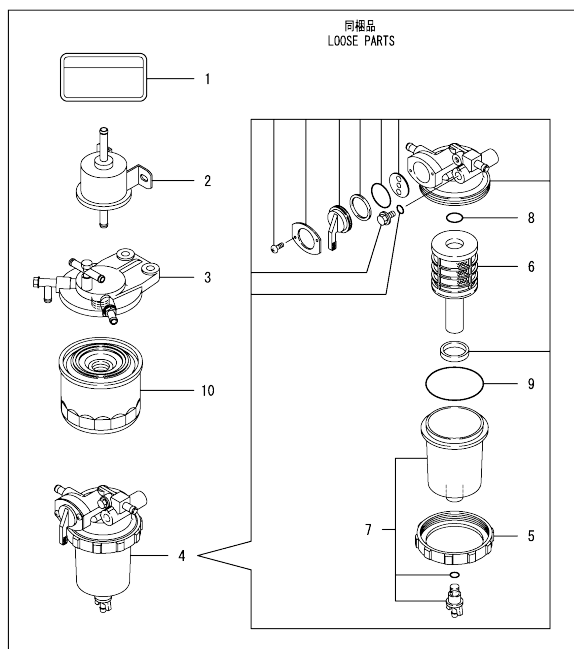
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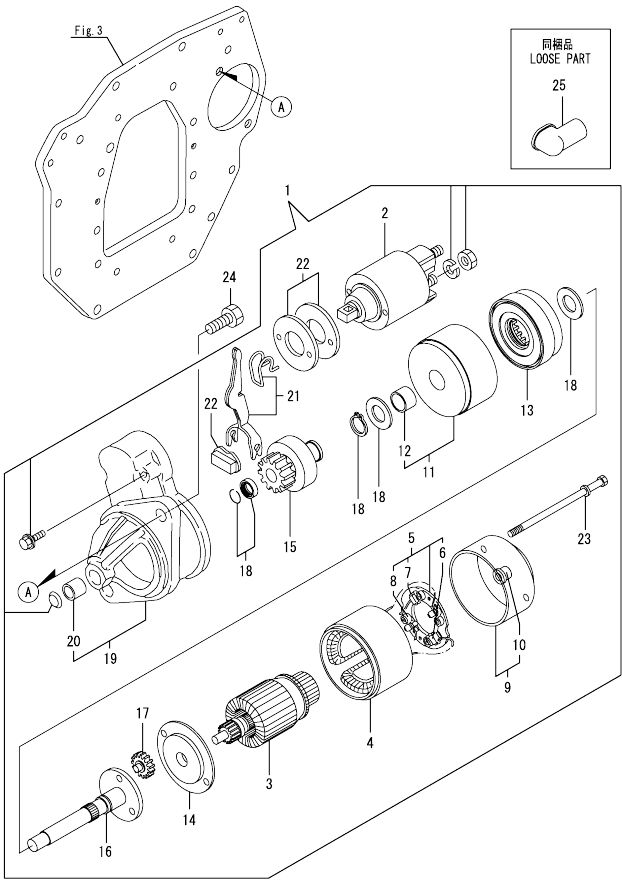
6	2
5	2

8	2
9	2

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-M81300 3TNV82A-BDCRT
Fig.15. STARTING MOTOR



0CW10-M81300 Fig.15

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129608-77010	STARTER, S114-817A	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129698-77101	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77130	BRUSH	2							
7	3	129698-77140	BRUSH SET	1							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77161	COVER ASSY	1							
10	3	129698-77170	BEARING	1							
11	2	129698-77180	BRACKET	1							
12	3	129698-77190	BRACKET	1							
13	2	129698-77200	GEAR, INTERNAL	1							
14	2	129698-77210	BRACKET	1							
15	2	129698-77220	PINION ASSY	1							
16	2	129698-77230	SHAFT	1							
17	2	129698-77240	GEAR	3							
18	2	129698-77250	WASHER SET	1							
19	2	129698-77260	CASE ASSY	1							
20	3	X2114535200	METAL, STARTER	1							
21	2	129698-77270	LEVER SET, SHIFT	1							
22	2	129698-77280	COVER KIT	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26106-120252	BOLT, M12X 25 PLATED	2							
25	1	124550-77030	COVER, TERMINAL	1							

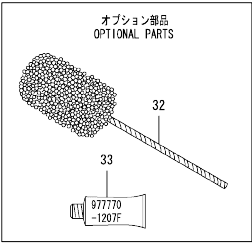
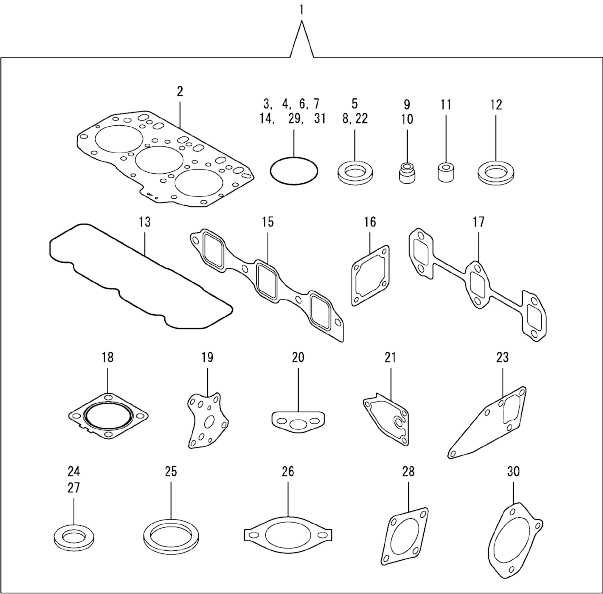
Fig.16. GENERATOR

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER	1							
7	2	119620-77421	FRAME ASSY, DRIVE	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	PLATE, RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	STUD	2							
12	2	119620-77440	FRAME ASSY	1							
13	2	119620-77461	PULLEY	1							
14	2	119620-77471	NUT	1							
15	2	119620-77490	COLLAR	1							
16	2	129423-77710	REGULATOR ASSY	1							
17	2	119620-79260	HOLDER	1							
18	2	129052-79270	HOLDER, BRUSH	1							
19	3	119620-77480	BRUSH ASSY	2							
20	3	119620-79280	SPRING	2							
21	2	119620-79290	SCREW	6							
22	2	119620-79300	SCREW	1							
23	2	129240-79300	COVER	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-79360	WASHER, THRUST	1							
30	1	26306-100002	NUT, M10	1							
31	1	129972-77341	BOLT, ADJUSTER L=50	1							
32	1	119643-66900	DIODE	1							
33	1	119650-77911	RELAY ASSY, GLOW	1							
36	1	128300-77920	TIMER	1							
37	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	719812-92750	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	2							
4	2	121850-51960	O-RING	1							
5	2	22190-080002	WASHER, SEAL 6	7							
6	2	24311-000320	O-RING, 1AP32.0	2							
7	2	24341-000240	O-RING, 1AS24.0	1							
8	2	22190-220002	WASHER, SEAL 22	1							
9	2	119803-11340	SEAL, VALVE STEM	3							
10	2	124160-11340	SEAL, VALVE STEM	3							
11	2	119802-11870	PROTECTOR, NOZZLE	3							
12	2	119625-11880	SEAT, NOZZLE	3							
13	2	119802-11310	GASKET, BONNET	1							
14	2	24311-000120	O-RING, 1AP12.0	3							
15	2	119810-12112	GASKET, MANIFOLD	1							
16	2	129150-77511	GASKET	1							
17	2	119810-13110	GASKET	1							
18	2	129004-13200	GASKET, SILENCER	2							
19	2	129150-32020	GASKET, PUMP	1							
20	2	129150-35042	GASKET	1							
21	2	129150-35111	GASKET	1							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	129486-42050	GASKET, WATER PUMP	1							
24	2	23414-080000	GASKET, 8X1.0	1							
25	2	129150-49811	GASKET, THERMOSTAT	1							
26	2	129795-49551	GASKET	1							
27	2	124465-44950	GASKET, 16	2							
28	2	129C26-01890	GASKET, HO-P	1							
29	2	24321-000800	O-RING, 1AG80.0	1							
30	2	171353-26081	GASKET	1							
31	2	24321-000850	O-RING, 1AG85.0	1							
32	1	129400-92420	HONE	1							1
33	1	977770-1207F	GASKET,LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	22
104211-11370	4	12
114110-07761	14	1
114250-53080	13	5
114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
119131-18320	6	5
119225-52102	14	2
119305-59120	13	42
119593-59581	13	70
119609-32040	2	9
	17	3
119620-02020	1	9
119620-77380	16	4
119620-77421	16	7
119620-77440	16	12
119620-77461	16	13
119620-77471	16	14
119620-77480	16	19
119620-77490	16	15
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79260	16	17
119620-79280	16	20
119620-79290	16	21
119620-79300	16	22
119620-79310	16	24
119620-79320	16	25
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	29
119625-11880	4	28
	17	12
119643-66900	16	32
119650-77911	16	33
119653-77950	12	118
119660-61901	12	61
119717-02930	1	15
119802-01561	2	5
119802-03010	4	37
119802-03090	5	1
119802-03110	4	39
119802-03121	4	40
119802-03130	4	41

Parts No.	Fig. No.	Ref. No.
119802-03141	4	42
119802-11100	4	19
119802-11110	4	20
119802-11241	4	1
119802-11251	4	2
119802-11260	4	4
119802-11270	4	5
119802-11280	4	6
119802-11310	4	44
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119802-11350	4	36
119802-11650	4	8
119802-11810	4	56
119802-11870	4	27
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119802-11900	4	29
119802-12140	5	4
119802-13640	6	3
119802-13740	6	4
119802-14580	7	3
119802-21650	8	8
119802-22500	8	17
119802-22950	8	34
119802-25071	7	27
119802-25101	7	10
119802-25901	7	15
119802-35100	9	21
119802-39450	9	29
119802-42001	10	1
119802-49610	10	35
119802-49620	10	40
119802-49711	10	36
119802-49721	10	41
119802-49730	10	37
119802-51090	11	12
119802-51250	11	134
119802-51560	11	58
119802-51590	11	64
119802-51600	11	65
119802-51680	11	69
119802-51690	11	70
119802-55700	14	4
119802-55710	14	6
119802-55730	14	7
119802-55801	14	10
119802-59320	10	39
119802-59550	13	64
119802-59560	13	66
119802-59960	13	51
119802-59970	13	55

Parts No.	Fig. No.	Ref. No.
119802-59980	13	59
119803-11340	4	23
	17	9
119803-11700	4	13
119803-21000	8	1
119803-21200	8	4
119803-22080	8	15
119803-25050	7	9
119803-53400	13	15
119803-77821	4	53
119803-77830	4	54
119807-61420	12	24
119808-01720	3	9
119808-01771	3	10
119810-01200	1	27
119810-02871	1	32
119810-02941	1	35
119810-11120	4	21
119810-12112	5	3
	17	15
119810-13110	6	2
	17	17
119810-14400	7	2
119810-23200	8	26
119810-23601	8	27
119810-23611	8	30
119810-23910	8	29
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119812-01330	1	28
	17	2
119813-22300	8	21
119852-34801	9	16
119853-77330	10	43
119865-21600	8	14
119865-42290	10	44
119867-35090	9	19
119888-13101	6	1
119934-01800	2	3
119934-59910	11	131
119953-21580	8	12
119960-77310	10	43 -1
120270-54410	4	30
121023-01551	2	22
121023-26071	7	16
121250-44901	10	32
121252-39450	9	27
121267-44760	10	23

Parts No.	Fig. No.	Ref. No.
121450-42450	10	31
121520-34810	9	17
121850-21680	8	10
121850-51960	2	10
	17	4
123501-79240	16	5
124060-01050	1	4
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124722-59050	10	38
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129001-32001	9	1
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129005-59830	9	30
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129008-51900	11	10
129008-51920	11	11
129008-53000	13	2
129008-77800	4	52
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129054-01640	3	11
129054-42320	10	11
129100-01580	3	1
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129150-11280	4	7
129150-11750	4	11
129150-14101	7	6
129150-14200	7	1
129150-25301	7	14
129150-32020	9	14
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129486-12581	5	6
129486-42050	10	16
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27241-400000	4	18
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719812-92750	17	1
719933-51301	11	1
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