

0CW10-M28600EN

PREFACE

1. This parts catalog is the 1st edition of 3TNV82A-BKIR for Ingersoll Rand Co.,Ltd.

Pub.No. : 000Y00W2860

Published :December, 2007

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-BKIR	Compressor	Ingersoll Rand Co.,Ltd.

Directions for the Parts Catalog.

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

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(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 $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{No}}$ New	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

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

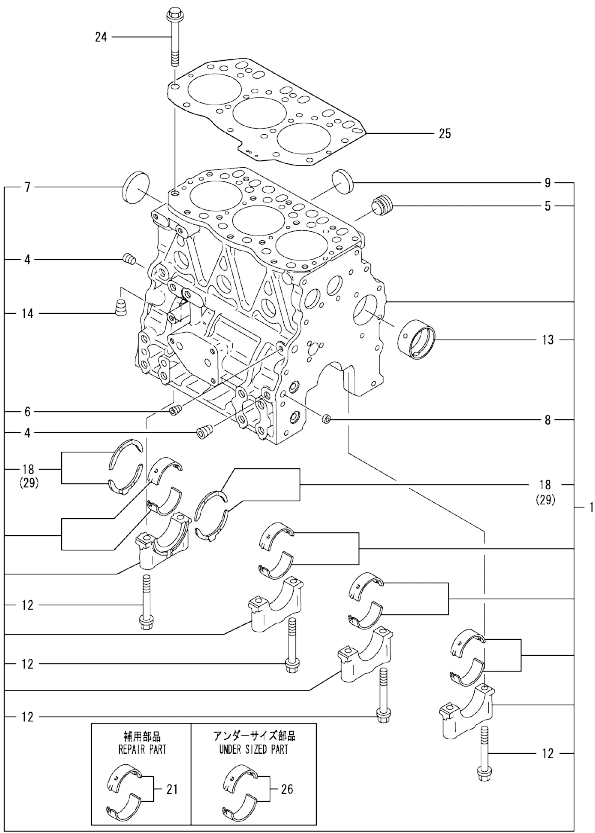
Contents

0CW10-M28600

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3TNV82A-BKIR			
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2.	GEAR HOUSING		
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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		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

0CW10-M28600 3TNV82A-BKIR

Fig.1. CYLINDER BLOCK



0CW10-M28600 Fig.1

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

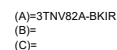
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
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

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

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. FLYWHEEL HOUSING & OIL SUMP



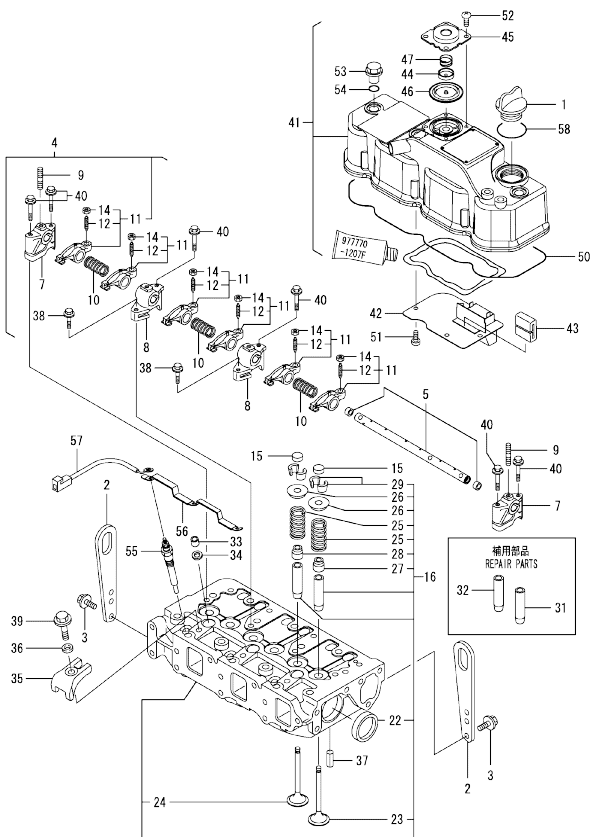
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, M8X16	2							
2	1	171420-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	119810-01730	SPACER, OIL SUMP	1							
8	1	119823-01770	SUMP ASSY, OIL	1							
9	2	119640-01640	PLUG, DRAIN M22	1							
11	2	22190-220002	WASHER, SEAL 22	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	6							
13	1	26106-080452	BOLT, M8X 45 PLATED	22							
14	1	129100-01580	PIN, M8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
17	2	129795-01780	SEAL, OIL	1							
18	1	129486-01670	BOLT, M8X30	6							
19	1	26106-080352	BOLT, M8X 35 PLATED	3							

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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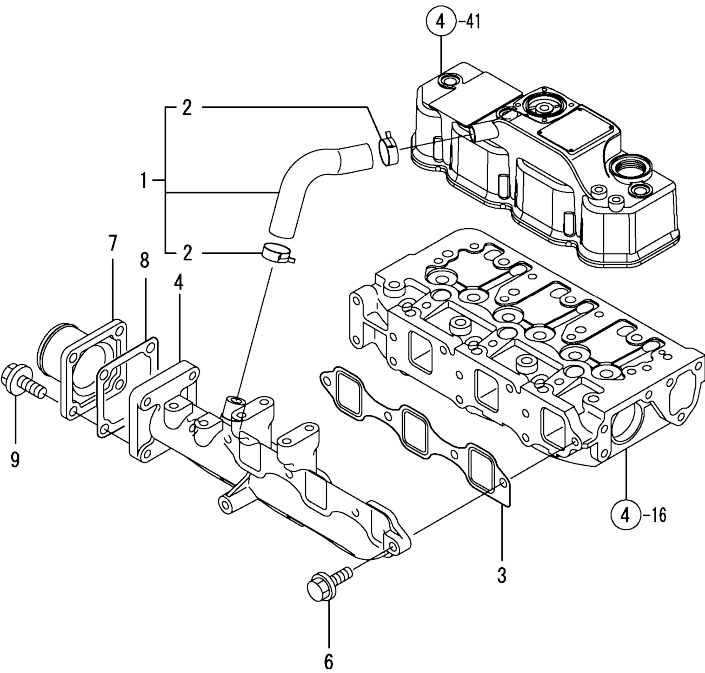
Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)REPAIR PART.
(2)NO.16-1 & FIG.13 NO.1-1
INTERCHANGEABLE BY SET.

										0CW10-M28600 Fig.4	
										(A)=3TNV82A-BKIR (D)= (B)= (E)= (C)= (F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty	I R
1	1	124160-01751	COVER, FILLER	1							
2	1	129900-07900	LIFTER	2							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	119802-11241	SHAFT ASSY, ROCKER	1							
5	2	119802-11251	SHAFT, ROCKER ARM	1							
7	2	119802-11260	SUPPORT, ROCKER ARM	2							
8	2	119802-11270	SUPPORT, ROCKER ARM	2							
9	2	119802-11280	STUD	3							
10	2	129150-11280	SPRING	3							
11	2	119802-11650	ARM, ROCKER	6							
12	3	129150-11230	SCREW, VALVE ADJUST	6							
14	3	129150-11750	NUT, M8	6							
15	1	104211-11370	CAP, VALVE	6							
16	1	119803-11700	HEAD ASSY, CYLINDER	1							
16-1	1	119803-11730	HEAD ASSY, CYLINDER	1							S 2
(A=E/#A00227)											
22	2	27241-400000	PLUG, 40	2							
23	2	119802-11100	VALVE, INTAKE	3							
24	2	119802-11110	VALVE, EXHAUST	3							
25	2	119810-11120	SPRING, VALVE	6							
26	2	104211-11180	RETAINER, SPRING	6							
27	2	124160-11340	SEAL, VALVE STEM	3							
28	2	119803-11340	SEAL, VALVE STEM	3							
29	2	27310-070001	COTTER, 7	6							
31	1	124060-11800	GUIDE, VALVE	3							1
32	1	119802-11810	GUIDE, VALVE	3							1
33	1	119802-11870	PROTECTOR, NOZZLE	3							
34	1	119625-11880	SEAT, NOZZLE	3							
35	1	119802-11900	RETAINER, NOZZLE	3							
36	1	120270-54410	WASHER, INJECTOR	3							
37	1	22351-060012	PIN, SPRING 6.0X12	2							
38	1	26106-080252	BOLT, M8X 25 PLATED	2							
39	1	26106-080452	BOLT, M8X 45 PLATED	3							
40	1	26106-080502	BOLT, M8X 50 PLATED	6							
41	1	119802-11350	BONNET ASSY, HEAD	1							
42	2	119802-03010	PLATE	1							
43	2	129150-03070	BAFFLE, BREATHER	1							
44	2	119802-03110	PLATE	1							
45	2	119802-03121	COVER, DIAPHRAGM	1							
46	2	119802-03130	DIAPHRAGM	1							
47	2	119802-03141	SPRING, DIAPHRAGM	1							
50	2	119802-11310	GASKET, BONNET	1							
51	2	22857-500100	SCREW, 5X10	4							
52	2	22857-500100	SCREW, 5X10	4							
53	1	124160-11360	KNOB	3							
54	1	24311-000120	O-RING, 1AP12.0	3							
55	1	129008-77800	PLUG, GLOW	3							
56	1	119803-77821	CONNECTOR, GLOW PLUG	1							
57	1	119803-77830	HARNES, WIRE	1							
58	1	24311-000320	O-RING, 1AP32.0	1							

0CW10-M28600 3TNV82A-BKIR
Fig.5. SUCTION MANIFOLD



0CW10-M28600 Fig.5

(A)=3TNV82A-BKIR

(D)=

(B)=

(E)=

(C)=

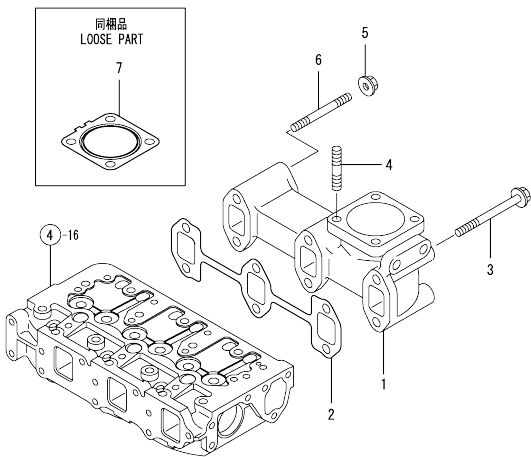
(F)=

Q'ty

I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	119802-03090	PIPE , BREATHER	1					
2	2	129410-03990	CLIP	2					
3	1	119810-12112	GASKET, MANIFOLD	1					
4	1	119802-12130	MANIFOLD, AIR INTAKE	1					
6	1	26106-080252	BOLT, M8X 25 PLATED	4					
7	1	129486-12581	JOINT, MANIFOLD	1					
8	1	129150-77511	GASKET	1					
9	1	26106-080202	BOLT, M8X 20 PLATED	4					
							</		

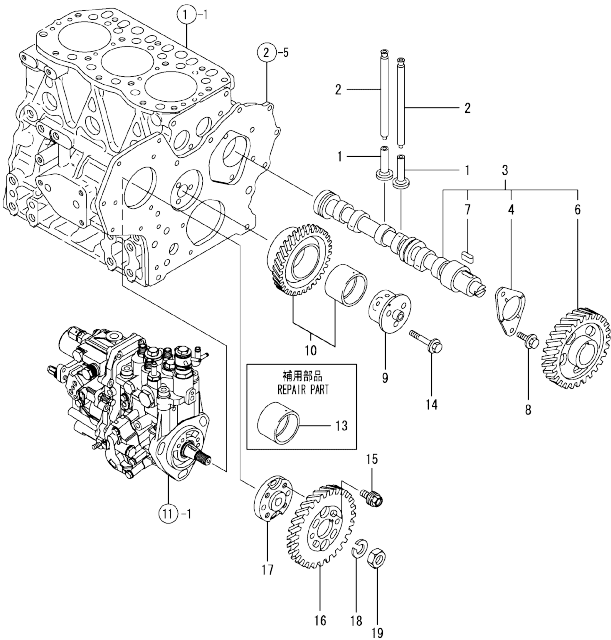
0CW10-M28600 3TNV82A-BKIR
Fig.6. EXHAUST MANIFOLD



				0CW10-M28600		Fig.6					
				(A)=3TNV82A-BK1R		(D)=					
				(B)=		(E)=					
				(C)=		(F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-13101	MANIFOLD, EXHAUST	1							
2	1	119810-13110	GASKET	1							
3	1	119802-13640	BOLT, M8X60 10.9T	4							
4	1	119131-18320	STUD, M8X22	4							
5	1	26306-080002	NUT, M8	2							
6	1	119802-13740	STUD, M8X60	2							
7	1	129004-13200	GASKET, SILENCER	1							

0CW10-M28600 3TNV82A-BKIR

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

0CW10-M28600 Fig.7

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

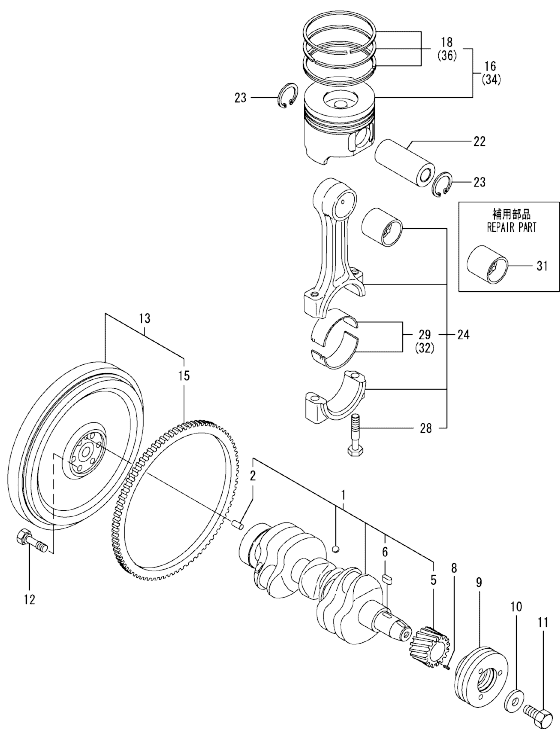
(D)=
(E)=
(F)=

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	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							

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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0CW10-M28600 3TNV82A-BK1R

Fig.8. CRANKSHAFT & PISTON



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

0CW10-M28600 Fig.8

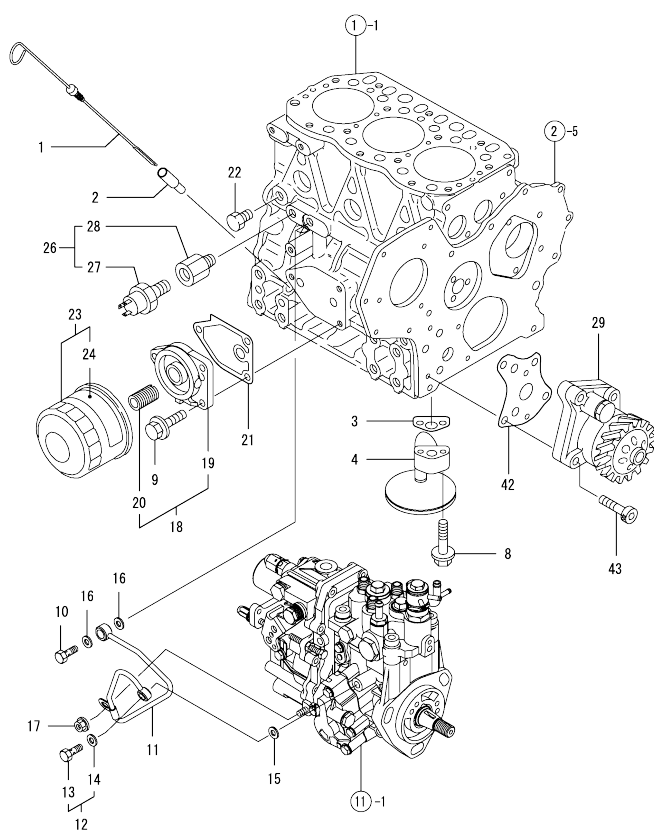
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119803-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119803-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	119802-21650	V-PULLEY, 110	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129601-21570	FLYWHEEL ASSY	1							
15	2	124550-21600	GEAR, RING	1							
16	1	119803-22080	PISTON ASSY	3							
18	2	119802-22500	RING SET, PISTON	3							
22	1	119813-22300	PIN, PISTON	3							
23	1	129792-22400	CIRCLIP, 23	6							
24	1	719810-23100	ROD ASSY, CONNECTING	3							1
28	2	119810-23200	BOLT, CONNECTING ROD	6							2
29	2	119810-23601	BEARING, CRANK PIN	3							3
31	1	119810-23910	BEARING, PISTON PIN	3							
32	1	119810-23611	BEARING, 0.25 US	3							
34	1	719803-22900	PISTON ASSY, 0.25 OS	3							
36	2	719802-22950	RING SET, 0.25 OS	3							3

Fig.9. LUB.OIL SYSTEM

(D)=
(E)=

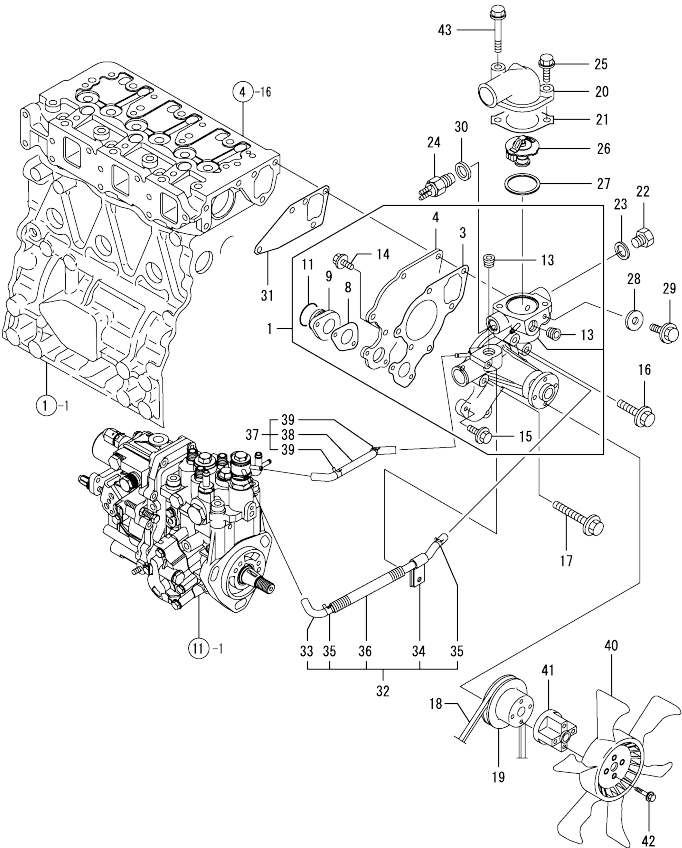


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-34802	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	GASKET	1							
4	1	119810-35300	PIPE ASSY, OIL INLET	1							
8	1	26106-080352	BOLT, M8X 35 PLATED	2							
9	1	26106-080202	BOLT, M8X 20 PLATED	3							
10	1	124160-39140	BOLT, PIPE JOINT M10	1							
11	1	119802-39450	PIPE ASSY, OIL	1							
12	1	129005-59830	BOLT ASSY, JOINT M8	1							
13	2	23857-030000	BOLT, JOINT 3	1							
14	2	22190-080002	WASHER, SEAL 6	1							
15	1	22190-080002	WASHER, SEAL 6	1							
16	1	22190-100002	WASHER, SEAL 10	2							
17	1	26366-060002	NUT, M6	1							
18	1	119802-35100	BRACKET ASSY, FILTER	1							
19	2	119802-35110	BRACKET, FILTER	1							
20	2	129100-35140	STUD	1							
21	1	129150-35111	GASKET	1							
22	1	171056-49120	PLUG, DRAIN	1							
23	1	119802-35150	FILTER ASSY, D80X80L	1							
24	2	119802-07020	LABEL (LO FILTER	1							
26	1	119940-39470	SWITCH	1							
27	2	119802-39460	SWITCH	1							
28	2	119285-39610	ADAPTER	1							
29	1	129001-32001	PUMP ASSY, OIL	1							
42	1	129150-32020	GASKET, PUMP	1							
43	1	26450-060252	BOIT M6X 25	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.10. COOLING WATER SYSTEM



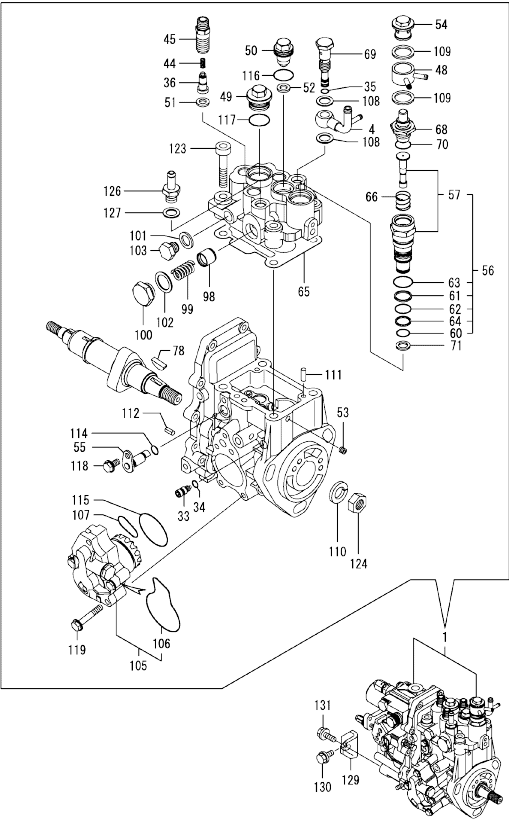
(A)=3TNV82A-BKIR
(B)=
(C)=

(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	119831-42290	V-BELT, A37.5	1							
19	1	129155-42350	V-PULLEY	1							
20	1	124101-49531	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	121450-42450	PLUG, M16	1							
23	1	124465-44950	GASKET, 16	1							
24	1	119843-44900	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	171340-44740	FAN, COOLING D335XNF	1							
41	1	129030-44760	SPACER, FAN L38.5	1							
42	1	26106-060502	BOLT, M6X 50 PLATED	4							
43	1	26106-080652	BOLT, M8X 65 PLATED	1							

0CW10-M28600 3TNV82A-BKIR

Fig.11. FUEL INJECTION PUMP



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

0CW10-M28600 Fig.11

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

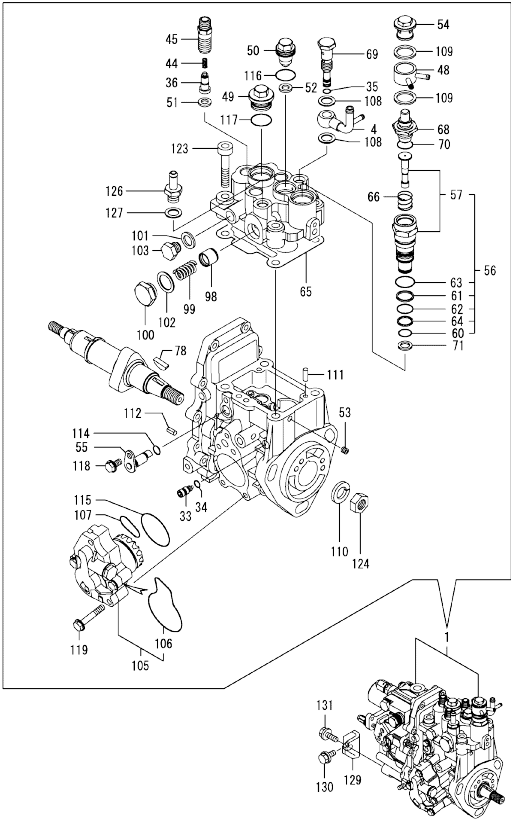
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719935-51350	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
33	2	158600-51270	STOPPER, TAPPET	1							
34	2	158563-51281	O-RING, 4D S6	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	129008-51300	VALVE ASSY, DELIVERY	3							
44	2	158563-51330	SPRING, DELIVERY	3							
45	2	129008-51340	HOLDER, DELIVERY	3							
48	2	158553-51551	JOINT	1							
49	2	158601-51550	PLUG	1							
50	2	119802-51560	PLUG, BARREL	1							
51	2	158552-51570	GASKET	3							
52	2	158552-51570	GASKET	1							
53	2	158557-51570	PLUG	1							
54	2	158601-51570	PLUG	1							
55	2	158552-51580	LIFTER	1							
56	2	119802-51590	TIMER SET	1							
57	3	119802-51600	TIMER ASSY	1							
60	3	158553-51670	O-RING, 1011	1							
61	3	119802-51680	RING, BACK UP	1							
62	3	119802-51690	O-RING	1							
63	3	24356-010200	O-RING, 4D1020	1							
64	3	24372-000150	RING, BACK UP T2P15	1							
65	2	158552-51600	GASKET	1							
66	2	158553-51630	SPRING, TIMER	1							
68	2	158553-51640	ELEMENT	1							
69	2	158601-51650	JOINT, OVER FLOW	1							
70	2	158553-51660	O-RING, P14	1							
71	2	158553-51680	GASKET	1							
78	2	119802-51090	KEY, 4X16	1							
98	2	158601-51770	PISTON	1							
99	2	158552-51781	SPRING	1							
100	2	158601-51790	PLUG	1							
101	2	22190-120002	WASHER, SEAL 12	1							
102	2	22190-180002	WASHER, SEAL 18	1							
103	2	23887-120002	PLUG, 12	1							
105	2	158552-52100	PUMP ASSY, FUEL FEED	1							
106	3	158552-52500	O-RING	1							
107	2	158552-52310	O-RING	1							
108	2	22190-120002	WASHER, SEAL 12	2							
109	2	22190-180002	WASHER, SEAL 18	2							
110	2	22217-140000	WASHER, SPRING 14	1							
111	2	22312-050140	PIN, PARALLEL M5X14	2							
112	2	22351-050010	PIN, SPRING 5.0X10	2							
114	2	24311-000070	O-RING, 1AP7.0	1							
115	2	158552-52400	O-RING, 4E S42	1							
116	2	24356-010180	O-RING, 4D1018	1							
117	2	24356-010200	O-RING, 4D1020	1							
118	2	26106-060102	BOLT, M6X 10 PLATED	1							
119	2	158553-51770	BOLT	4							
123	2	26450-080452	BOLT, M8X 45	4							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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0CW10-M28600 3TNV82A-BKIR

Fig.11. FUEL INJECTION PUMP



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

0CW10-M28600 Fig.11

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

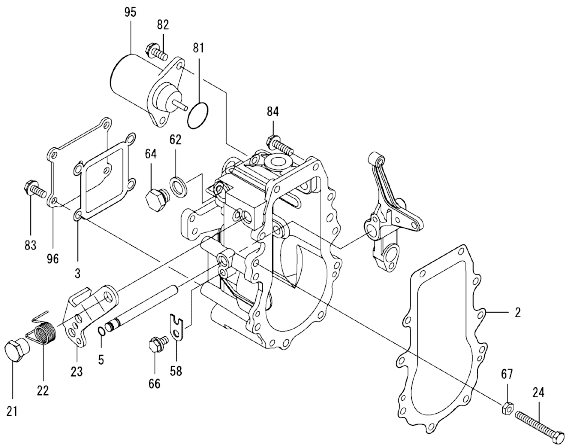
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
124	2	26776-140002	NUT, LOCK M14	1							
126	2	119934-59910	JOINT, PIPE	1							
127	2	22190-120002	WASHER, SEAL 12	1							
129	1	119802-51250	RETAINER, PUMP	1							
130	1	26106-080162	BOLT, M8X 16 PLATED	1							
131	1	26106-080202	BOLT, M8X 20 PLATED	1							

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{R10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{R10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M28600 3TNV82A-BKIR

Fig.12. GOVERNOR



0CW10-M28600 Fig.12

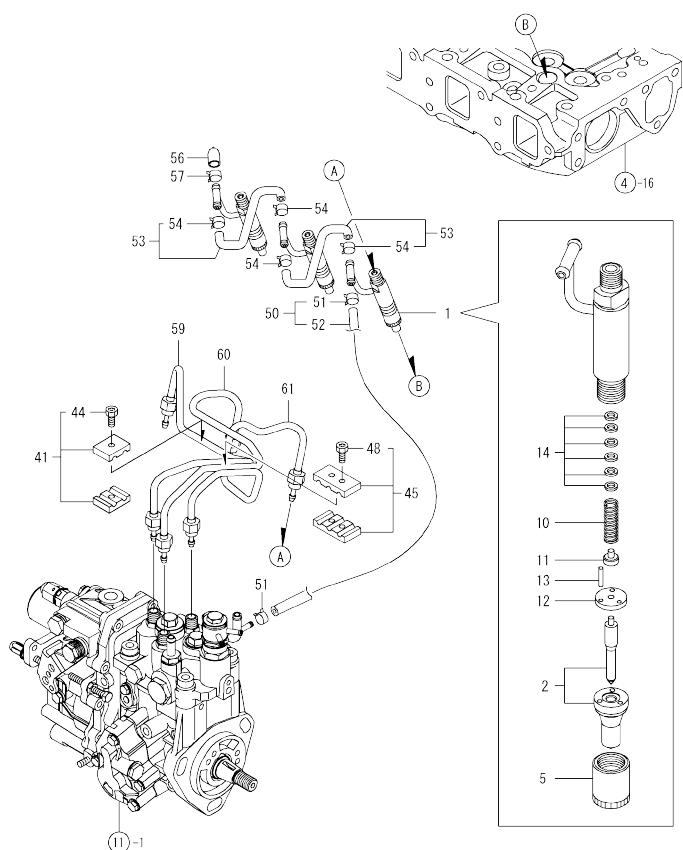
(A)=3TNV82A-BKIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET	1							
3	2	158553-61070	GASKET	1							
5	2	129155-61280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
58	2	119660-61901	RETAINER, SHAFT	1							
62	2	22190-120000	WASHER, SEAL 12	1							
64	2	23887-120002	PLUG, 12	1							
66	2	26106-060102	BOLT, M6X 10 PLATED	1							
67	2	26756-060002	NUT, LOCK M6	1							
81	2	158552-61900	O-RING	1							
82	2	26106-060142	BOLT, M6X 14 PLATED	2							
83	2	26106-060142	BOLT, M6X 14 PLATED	4							
84	2	26106-060202	BOLT, M6X 20 PLATED	10							
95	2	119802-77960	SOLENOID	1							
96	2	129642-61060	COVER, GOVERNOR CASE	1							

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

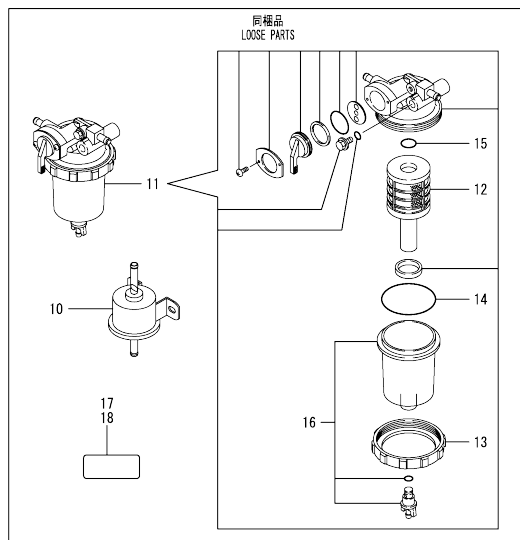
N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-53200	VALVE ASSY,INJECTION	3							
1-1		719803-53300	VALVE ASSY,INJECTION	3							S 1
		(A=E#A00227)									
2	2	719803-53100	VALVE ASSY,INJECTION	3							
2-1		719803-53300	VALVE ASSY,INJECTION	3							S
		(A=E#A00227)									
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	114250-53400	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	119802-59550	PIPE ASSY, RETURN	1							
51	2	124722-59050	CLIP, HOSE 9	2							
52	2	119802-59560	PIPE, FUEL RETURN	1							
53	1	129486-59551	PIPE ASSY, RETURN	2							
54	2	124722-59050	CLIP, HOSE 9	4							
56	1	119593-59581	CAP	1							
57	1	124060-77680	CLIP, HOSE 10	1							
59	1	119802-59960	PIPE ASSY, INJECTION	1							
60	1	119802-59970	PIPE ASSY, INJECTION	1							
61	1	119802-59980	PIPE ASSY, INJECTION	1							

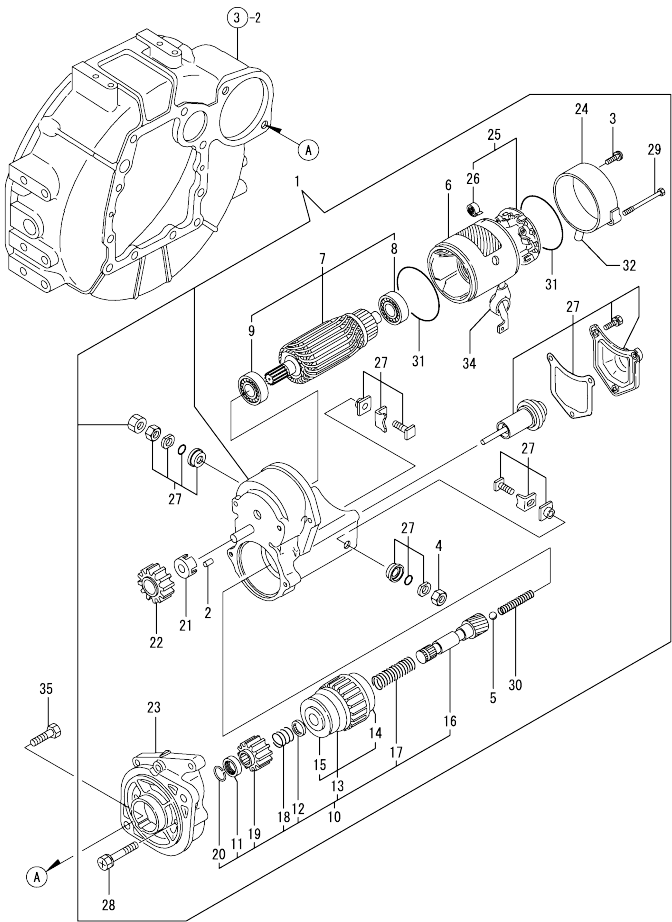
Remarks
(1)NO.1-1 & FIG.4 NO.16-1
INTERCHANGEABLE BY SET.

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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No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55831	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129210-59050	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	105312-59510	PIPE, FUEL	1							
7	1	129210-59110	PIPE ASSY, FUEL	1							
8	2	124766-59050	CLIP, HOSE 12	2							
9	2	105025-59560	PIPE, FUEL	1							
10	1	119225-52102	PUMP ASSY, FUEL FEED	1							
11	1	119802-55700	SEPARATOR ASSY	1							
12	2	119802-55710	ELEMENT	1							
13	2	129100-55690	RING, RETAINING	1							
14	2	24321-000650	O-RING, 1AG65.0	1							
15	2	24311-000160	O-RING, 1AP16.0	1							
16	2	119802-55730	CUP ASSY	1							
17	1	119802-52120	LABEL (FEED PUMP	1							
18	1	119802-55720	LABEL (WATER TRAP	1							

Fig.15. STARTING MOTOR

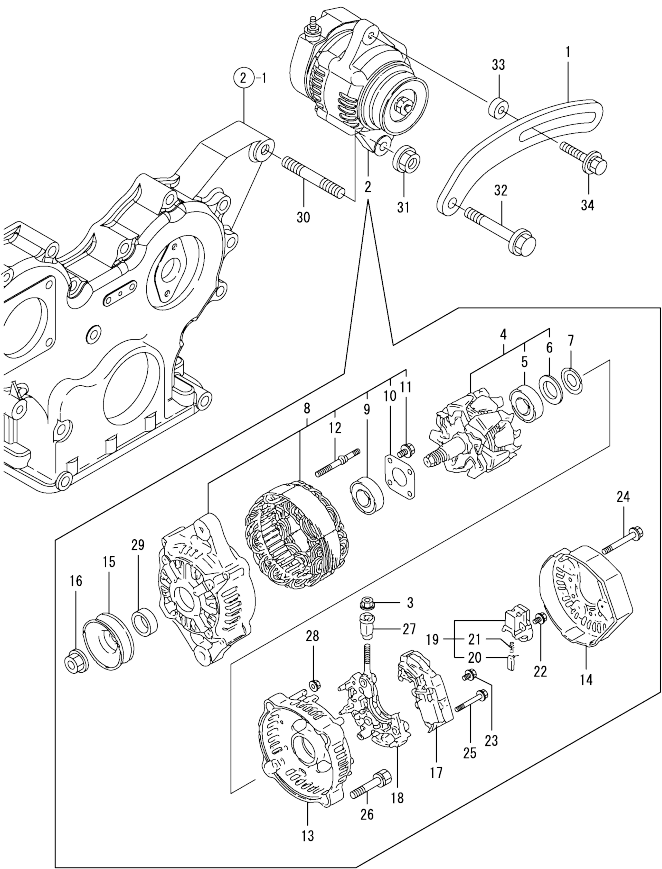


(A)=3TNV82A-BKIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-77010	STARTER, RA1.4	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129407-77210	YOKE ASSY	1							
7	2	129407-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129407-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	129407-77390	CLUTCH ASSY	1							
14	4	129129-77440	BEARING, BALL	1							
15	4	129129-77450	BEARING, BALL	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129407-77410	SPRING	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	129407-77280	HOUSING	1							
24	2	129407-77290	FRAME	1							
25	2	129407-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129407-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129407-77330	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	26116-120252	BOLT, M12X 25 PLATED	2							

0CW10-M28600 3TNV82A-BKIR
Fig.16. GENERATOR



0CW10-M28600 Fig.16

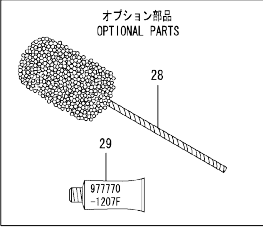
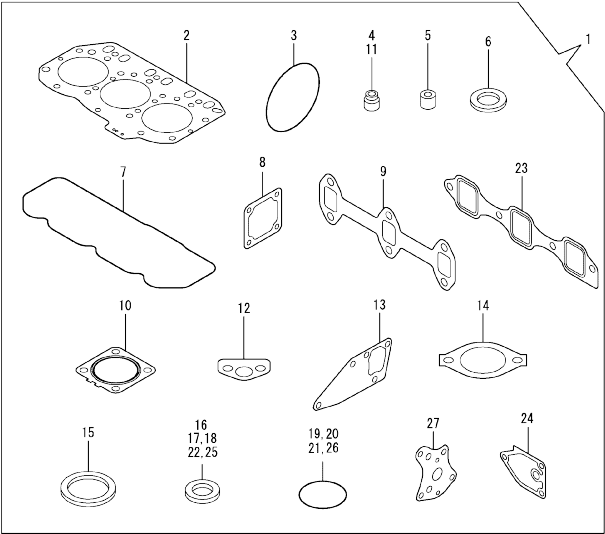
(A)=3TNV82A-BKIR
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-77330	ADJUSTER	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BEARING, BALL	1							
6	3	119620-79250	COVER	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BEARING, BALL	1							
10	3	119620-79210	PLATE, RETAINER	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	STUD	2							
13	2	119620-77440	FRAME ASSY	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	119620-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	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	119620-77490	COLLAR	1							
30	1	129795-01900	STUD	1							
31	1	26306-100002	NUT, M10	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	119940-77270	SPACER, GENERATOR	1							
34	1	129972-77341	BOLT, ADJUSTER L=50	1							

0CW10-M28600 3TNV82A-BKIR

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PARTS.

0CW10-M28600 Fig.17

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719812-92700	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	7							
18	2	124465-44950	GASKET, 16	2							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	119810-12112	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	2							
27	2	129150-32020	GASKET, PUMP	1							
28	1	129400-92420	HONE	1							1
29	1	977770-1207F	GASKET, LIQUID	1							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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Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	26
104211-11370	4	15
105025-59560	14	9
105312-59510	14	6
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
119131-18320	6	4
119225-52102	14	10
119285-39610	9	28
119305-59120	13	41
119593-59581	13	56
119609-32040	2	10
	17	26
119620-01750	3	3
119620-02020	1	12
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77480	16	20
119620-77490	16	29
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79240	16	5
119620-79250	16	6
119620-79260	16	18
119620-79270	16	19
119620-79280	16	21
119620-79290	16	22
119620-79300	16	23
119620-79310	16	24
119620-79320	16	25
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	7
119625-11880	4	34
	17	6
119640-01640	3	9
119660-61901	12	58
119802-01561	2	6
119802-03010	4	42
119802-03090	5	1

Parts No.	Fig. No.	Ref. No.
119802-03110	4	44
119802-03121	4	45
119802-03130	4	46
119802-03141	4	47
119802-07020	9	24
119802-11100	4	23
119802-11110	4	24
119802-11241	4	4
119802-11251	4	5
119802-11260	4	7
119802-11270	4	8
119802-11280	4	9
119802-11310	4	50
	17	7
119802-11350	4	41
119802-11650	4	11
119802-11810	4	32
119802-11870	4	33
	17	5
119802-11900	4	35
119802-12130	5	4
119802-13640	6	3
119802-13740	6	6
119802-14580	7	3
119802-21650	8	9
119802-22500	8	18
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-34802	9	1
119802-35100	9	18
119802-35110	9	19
119802-35150	9	23
119802-39450	9	11
119802-39460	9	27
119802-42001	10	1
119802-49610	10	32
119802-49620	10	37
119802-49711	10	33
119802-49721	10	38
119802-49730	10	34
119802-51090	11	78
119802-51250	11	129
119802-51560	11	50
119802-51590	11	56
119802-51600	11	57
119802-51680	11	61
119802-51690	11	62
119802-52120	14	17
119802-55700	14	11

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119802-55730	14	16
119802-55831	14	2
119802-59320	10	36
119802-59550	13	50
119802-59560	13	52
119802-59960	13	59
119802-59970	13	60
119802-59980	13	61
119802-77330	16	1
119802-77960	12	95
119803-01520	2	5
119803-11340	4	28
	17	4
119803-11700	4	16
119803-11730	4	16 -1
119803-21000	8	1
119803-21200	8	5
119803-22080	8	16
119803-25050	7	9
119803-53100	13	2
119803-53300	13	2 -1
119803-77821	4	56
119803-77830	4	57
119807-61420	12	22
119810-01200	1	24
119810-01730	3	6
119810-02871	1	26
119810-02931	1	18
119810-02941	1	29
119810-11120	4	25
119810-12112	5	3
	17	23
119810-13110	6	2
	17	9
119810-14400	7	2
119810-23200	8	28
119810-23601	8	29
119810-23611	8	32
119810-23910	8	31
119810-35300	9	4
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119812-01330	1	25
	17	2
119813-22300	8	22
119823-01770	3	8

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119843-44900	10	24
119888-13101	6	1
119934-01800	2	4
119934-59910	11	126
119940-39470	9	26
119940-77270	16	33
120270-54410	4	36
121023-01551	2	17
121111-21501	8	12
121450-42450	10	22
121520-34810	9	2
121850-21680	8	11
121850-51960	2	11
	17	3
124060-01050	1	6
124060-11800	4	31
124060-77680	13	57
124101-49531	10	20
124160-01751	2	7
	4	1
124160-01910	1	4
	14	
124160-11340	4	27
	17	11
124160-11360	4	53
124160-39140	9	10
124240-01871	2	8
124465-44950	10	23
	30	
	17	18
124550-21600	8	15
124722-59050	10	35
	39	
	13	51
	54	
124766-59050	14	5
	8	
129001-01250	1	7
129001-32001	9	29
129001-91841	2	12
129004-13200	6	7
	17	10
129004-55612	14	1
129005-59830	9	12
129008-51300	11	36
129008-51340	11	45
129008-77800	4	55
129030-44760	10	41
129054-42320	10	11

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129100-01640	3	15
129100-35140	9	20
129100-55690	14	13
129129-77230	15	8
129129-77240	15	9
129129-77260	15	21
129129-77270	15	22
129129-77320	15	28
129129-77340	15	30
129129-77350	15	31
129129-77362	15	32
129129-77380	15	34
129129-77400	15	16
129129-77410	15	17
129129-77420	15	19
129129-77430	15	20
129129-77440	15	14
129129-77450	15	15
129129-77460	15	3
129150-02450	7	4
129150-03070	4	43
129150-11230	4	12
129150-11280	4	10
129150-11750	4	14
129150-14101	7	6
129150-14200	7	1
129150-25301	7	15
129150-32020	9	42
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129150-35042	9	3
	17	12
129150-35111	9	21
	17	24
129150-49811	10	27
	17	15
129150-59120	13	45
129150-59131	13	44
		48
129150-77511	5	8
	17	8
129155-42350	10	19
129155-49801	10	26
129155-51280	12	5
129155-61460	12	24
129210-59050	14	4
129210-59110	14	7
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129400-92420	17	28
129407-77010	15	1
129407-77210	15	6
129407-77220	15	7
129407-77250	15	10
129407-77280	15	23
129407-77290	15	24
129407-77300	15	25
129407-77310	15	27
129407-77330	15	29
129407-77390	15	13
129407-77410	15	18
129410-03990	5	2
129423-77200	16	2
129423-77710	16	17
129486-01670	3	18
129486-12581	5	7
129486-42050	10	31
	17	13
129486-59551	13	53
129601-21570	8	13
129642-61060	12	96
129792-22400	8	23
129795-01780	3	17
129795-01900	16	30
129795-01950	2	9
129795-02412	1	13
129795-21661	8	10
129795-49551	10	21
	17	14
129900-07900	4	2
129972-77341	16	34
158552-51151	7	17
158552-51570	11	51
		52
158552-51580	11	55
158552-51600	11	65
158552-51670	11	4
158552-51781	11	99
158552-52100	11	105
158552-52310	11	107
158552-52400	11	115
158552-52500	11	106
158552-61441	12	23
158552-61900	12	81
158553-51551	11	48
158553-51630	11	66
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158553-51680	11	71
158553-51770	11	119
158553-61050	12	2
158553-61070	12	3
158557-51570	11	53
158563-51281	11	34
		35
158563-51330	11	44
158600-51270	11	33
158601-51550	11	49
158601-51570	11	54
158601-51650	11	69
158601-51770	11	98
158601-51790	11	100
171051-01921	1	5
171056-49120	9	22
171340-44740	10	40
171420-01600	3	2
22190-080002	2	21
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22190-100002	9	16
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22190-120000	12	62
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22217-140000	7	18
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22312-050140	11	111
22351-030010	8	8
22351-050010	11	112
22351-060012	4	37
22512-070140	7	7
	8	6
22857-500100	4	51
		52
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	17	16
23857-030000	9	13
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	12	64
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24321-000650	14	14
24341-000240	2	18
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24356-010180	11	116
24356-010200	11	63
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24372-000150	11	64
26106-060102	11	118
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26106-060142	10	14
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		83
26106-060162	2	19
26106-060202	10	15
	12	84
26106-060502	10	42
26106-080122	10	29
26106-080142	7	8
26106-080162	2	14
		15
	3	12
	4	3
26106-080202	11	130
	5	9
	9	9
	11	131
26106-080252	4	38
	5	6
	10	25
26106-080302	2	22
	14	3
26106-080352	3	19
	9	8
	10	16
26106-080402	7	14
26106-080452	3	13
	4	39
	16	32
26106-080502	4	40
26106-080552	2	16
	10	17
26106-080652	10	43
26116-120252	15	35
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26306-100002	16	31
26366-060002	9	17
26450-060252	9	43
26450-080452	11	123
26756-060002	12	67
26776-140002	7	19
	11	124
27241-120000	1	8
27241-300000	1	9
27241-400000	4	22
27310-070001	4	29
719802-01560	1	1
719802-22950	8	36
719803-22900	8	34
719803-53200	13	1
719803-53300	13	1 -1
719810-02981	1	21
719810-23100	8	24
719812-92700	17	1
719935-51350	11	1
719980-01500	2	1
977770-1207F	17	29
X0280210230	15	11
X0283060061	15	2
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