

0CD10-M92000EN

PREFACE

1. This parts catalog is the 1st edition of 3TNV82A-BQIKA for KATO WORKS CO.,LTD.

Pub.No. : 000Y00D9200

Published : February.,2007

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNV82A-BQIKA	Excavator	28N	KATO WORKS CO.,LTD.

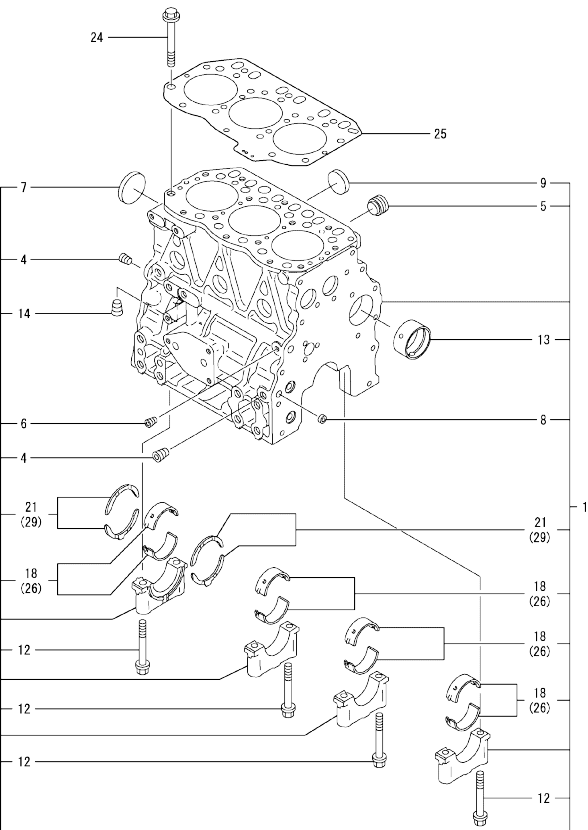
Contents

0CD10-M92000

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

OCD10-M92000 3TNV82A-BQIKA

Fig.1. CYLINDER BLOCK



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

OCD10-M92000 Fig.1

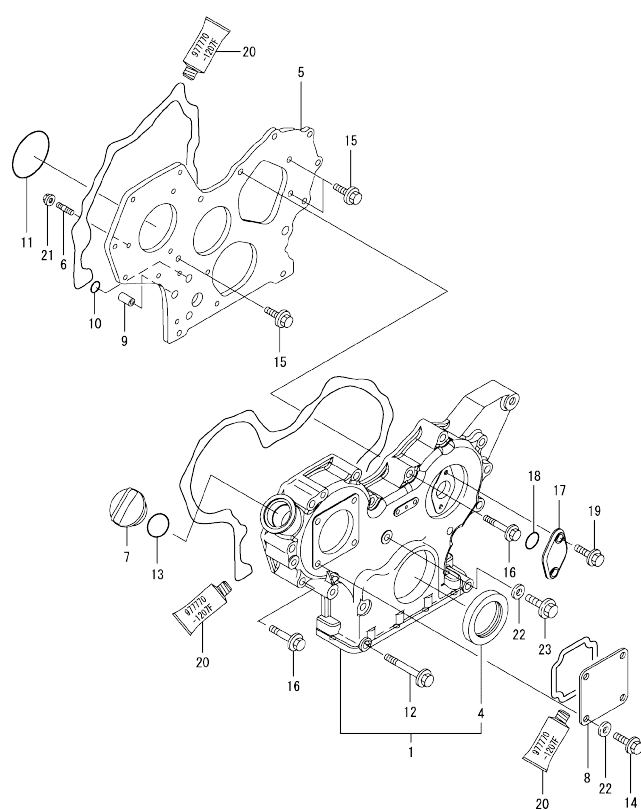
(A)=3TNV82ABQIKA
(B)=
(C)=

(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	719810-02981	BEARING, MAIN	4							3
21	2	119810-02931	BEARING, THRUST	1							
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

OCD10-M92000 3TNV82A-BQIKA

Fig.2. GEAR HOUSING



Remarks
(1) OPTIONAL PART.

OCD10-M92000 Fig.2

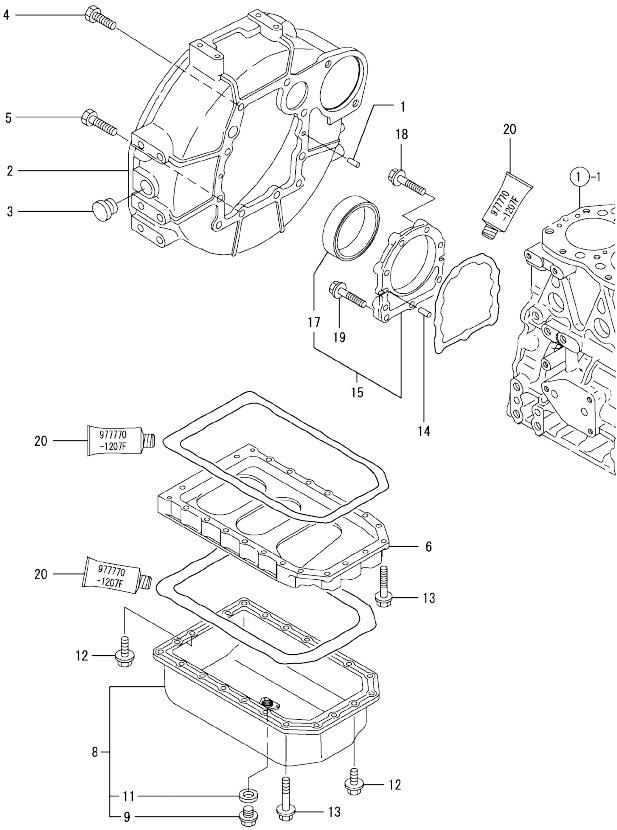
(A)=3TNV82ABQIKA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
4	2	129795-01800	SEAL, OIL	1							
5	1	119803-01520	FLANGE, GEAR CASE	1							
6	1	119802-01561	STUD, M8X25	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	119609-32040	O-RING, P16	4							
11	1	121850-51960	O-RING	1							
12	1	129001-91841	BOLT, M8X85	3							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	3							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	121023-01551	COVER	1							
18	1	24341-000240	O-RING, 1AS24.0	1							
19	1	26106-060162	BOLT, M6X 16 PLATED	2							
20	1	977770-1207F	GASKET LIQUID	1							1
21	1	26306-080002	NUT, M8	3							
22	1	22190-080002	WASHER, SEAL 6	5							
23	1	26106-080302	BOLT, M8X 30 PLATED	1							

OCD10-M92000 3TNV82A-BQIKA

Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks
(1) OPTIONAL PART.

OCD10-M92000 Fig.3

(A)=3TNV82ABQIKA
(B)=
(C)=

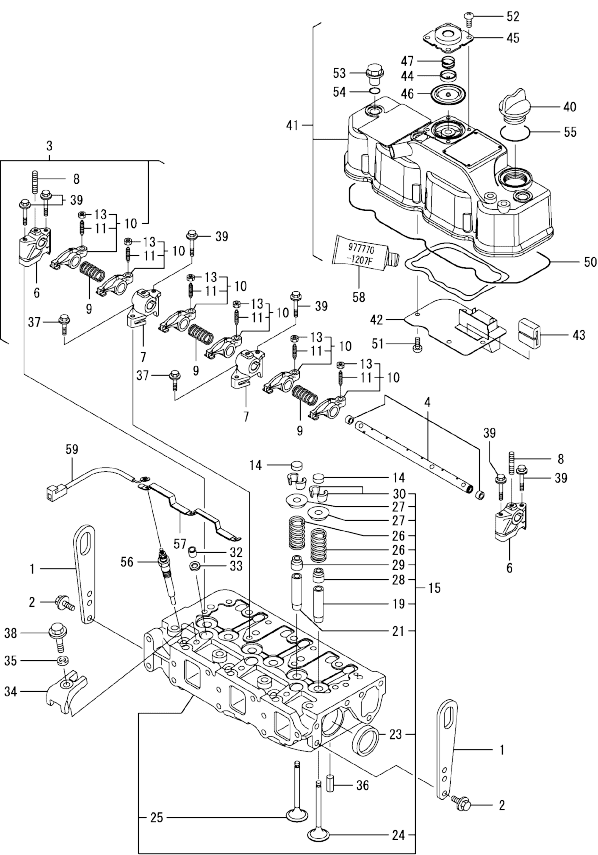
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129612-01600	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							
20	1	977770-1207F	GASKET,LIQUID	1							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
Copyright (C) YANMAR GLOBAL CS CO., LTD. All RightsReserved.

OCD10-M92000 3TNV82A-BQIKA

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

OCD10-M92000 Fig.4

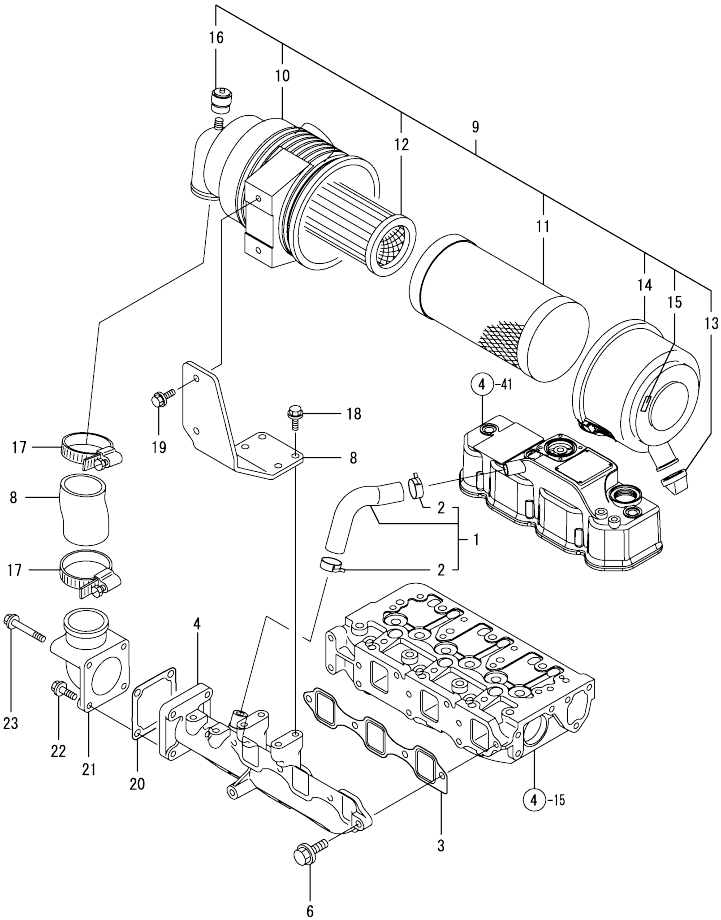
(A)=3TNV82ABQIKA
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	119802-11241	SHAFT ASSY, ROCKER	1							
4	2	119802-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	119802-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	104211-11370	CAP, VALVE	6							
15	1	119803-11700	HEAD ASSY, CYLINDER	1							
19	2	124060-11800	GUIDE, VALVE	3							1
21	2	119802-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	119802-11100	VALVE, INTAKE	3							
25	2	119802-11110	VALVE, EXHAUST	3							
26	2	119810-11120	SPRING, VALVE	6							
27	2	104211-11180	RETAINER, SPRING	6							
28	2	124160-11340	SEAL, VALVE STEM	3							
29	2	119803-11340	SEAL, VALVE STEM	3							
30	2	27310-070001	COTTER, 7	6							
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	124160-01751	COVER, FILLER	1							
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	24311-000320	O-RING, 1AP32.0	1							
56	1	129008-77800	PLUG, GLOW	3							
57	1	119803-77821	CONNECTOR, GLOW PLUG	1							
58	1	97770-1207F	GASKET LIQUID	1							2
59	1	119803-77830	HARNES, WIRE	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
Copyright (C) YANMAR GLOBAL CS CO., LTD. All Rights Reserved.

OCD10-M92000 3TNV82A-BQIKA

Fig.5. SUCTION MANIFOLD & AIR CLEANER



OCD10-M92000 Fig.5

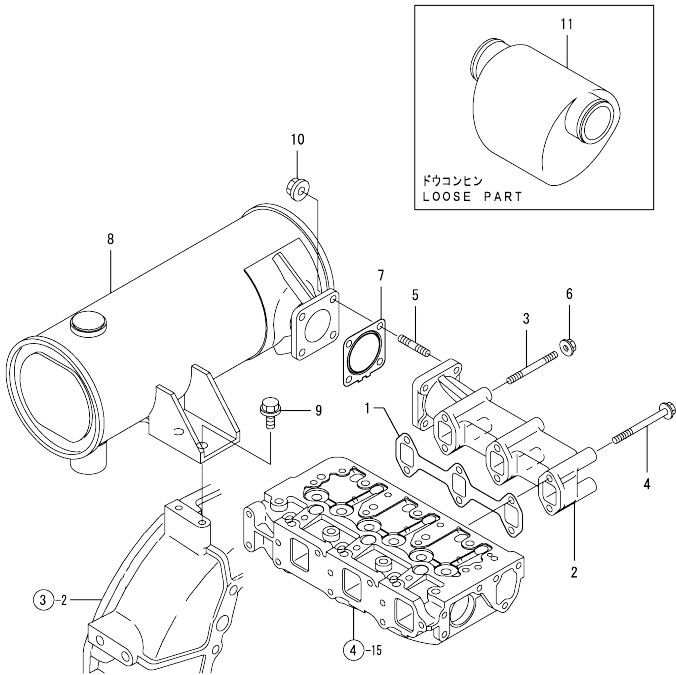
(A)=3TNV82ABQIKA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-03090	PIPE , BREATHER	1							
2	2	129410-03990	CLIP	2							
3	1	119810-12112	GASKET, MANIFOLD	1							
4	1	119802-12130	MANIFOLD, AIR INTAKE	1							
6	1	26106-080252	BOLT, M8X 25 PLATED	4							
7	1	119910-12210	PIPE, AIR INTAKE	1							
8	1	119802-12560	BRACKET, AIR CLEANER	1							
9	1	119910-12601	CLEANER ASSY, AIR	1							
10	2	119910-12510	BODY, AIR CLEANER	1							
11	2	119808-12520	ELEMENT	1							
12	2	129051-12530	ELEMENT	1							
13	2	119808-12540	VALVE, UNLOADER	1							
14	2	119866-12541	COVER ASSY	1							
15	2	129612-12650	LABEL, MARKING	1							
16	2	126650-12680	INDICATOR	1							
17	1	23000-060000	CLAMP, 60	2							
18	1	26013-080222	BOLT, M8X 22	4							
19	1	26013-080222	BOLT, M8X 22	2							
20	1	129150-77511	GASKET	1							
21	1	119803-77520	BEND, AIR HEATER	1							
22	1	26106-080202	BOLT, M8X 20 PLATED	2							
23	1	26106-080802	BOLT, M8X 80 PLATED	2							

OCD10-M92000 3TNV82A-BQIKA

Fig.6. EXHAUST MANIFOLD & SILENCER



OCD10-M92000 Fig.6

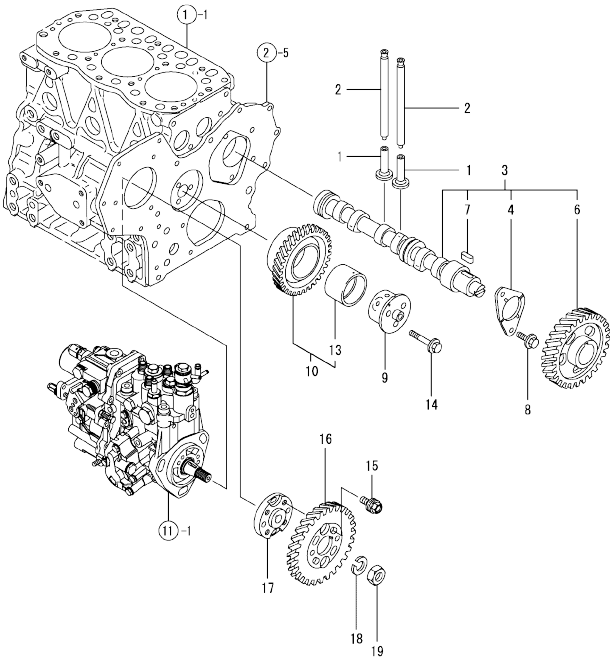
(A)=3TNV82ABQIKA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-13110	GASKET	1							
2	1	119802-13129	MANIFOLD, EXHAUST	1							
3	1	123900-13610	STUD, M8X80	2							
4	1	123900-13630	BOLT, M8X80	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							
8	1	129240-13550	SILENCER	1							
9	1	26106-100202	BOLT, M10X 20 PLATED	2							
10	1	26306-080002	NUT, M8	4							
11	1	121855-12060	SILENCER ASSY	1							

0CD10-M92000 3TNV82A-BQIKA

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

0CD10-M92000 Fig.7

(A)=3TNV82ABQIKA
(B)=
(C)=

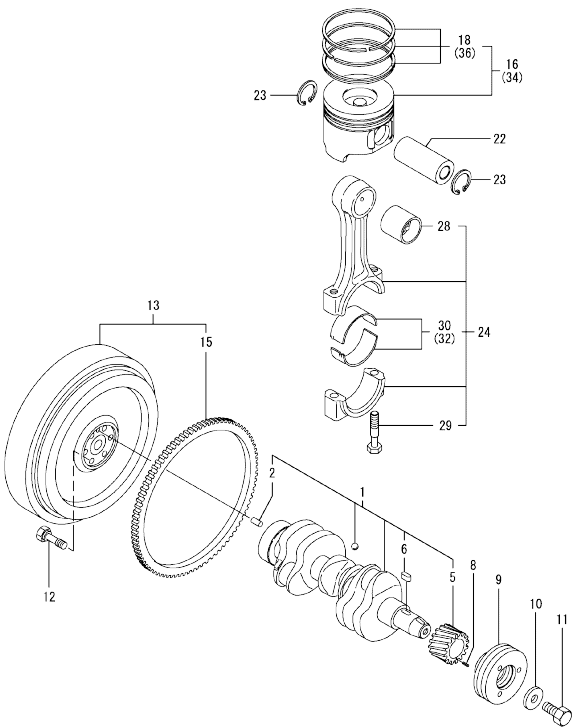
(D)=
(E)=
(F)=

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	119802-14590	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	2	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
Copyright (C) YANMAR GLOBAL CS CO., LTD. All RightsReserved.

OCD10-M92000 3TNV82A-BQIIKA

Fig.8. CRANKSHAFT & PISTON



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

OCD10-M92000 Fig.8

(A)=3TNV82ABQIIKA
(B)=
(C)=

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

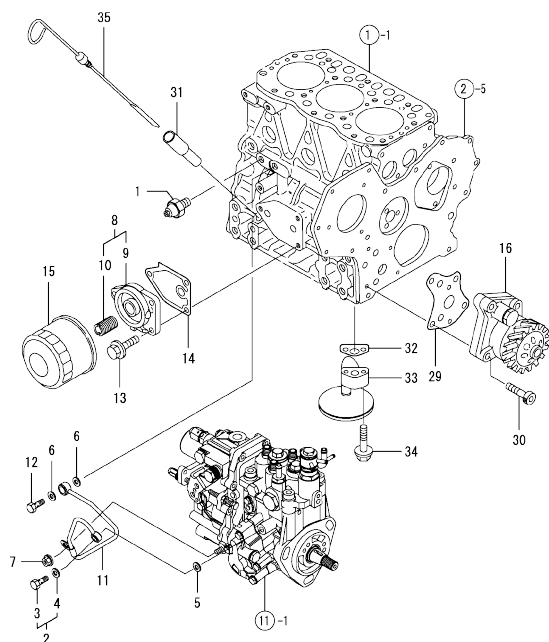
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119803-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119803-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	119802-21650	V-PULLEY, 110	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129489-21590	FLYWHEEL ASSY	1							
15	2	119865-21600	GEAR, RING	1							
16	1	119803-22080	PISTON ASSY	3							
18	2	119802-22500	RING SET, PISTON	3							
22	1	119813-22300	PIN, PISTON	3							
23	1	129792-22400	CIRCLIP, 23	6							
24	1	719810-23100	ROD ASSY, CONNECTING	3							
28	2	119810-23910	BEARING, PISTON PIN	3							1
29	2	119810-23200	BOLT, CONNECTING ROD	6							
30	2	119810-23601	BEARING, CRANK PIN	3							
32	1	119810-23611	BEARING, 0.25 US	3							2
34	1	719803-22900	PISTON ASSY, 0.25 OS	3							3
36	2	719802-22950	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
Copyright (C) YANMAR GLOBAL CS CO., LTD. All Rights Reserved.

Fig.9. LUB.OIL SYSTEM

(D)=
(E)=

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

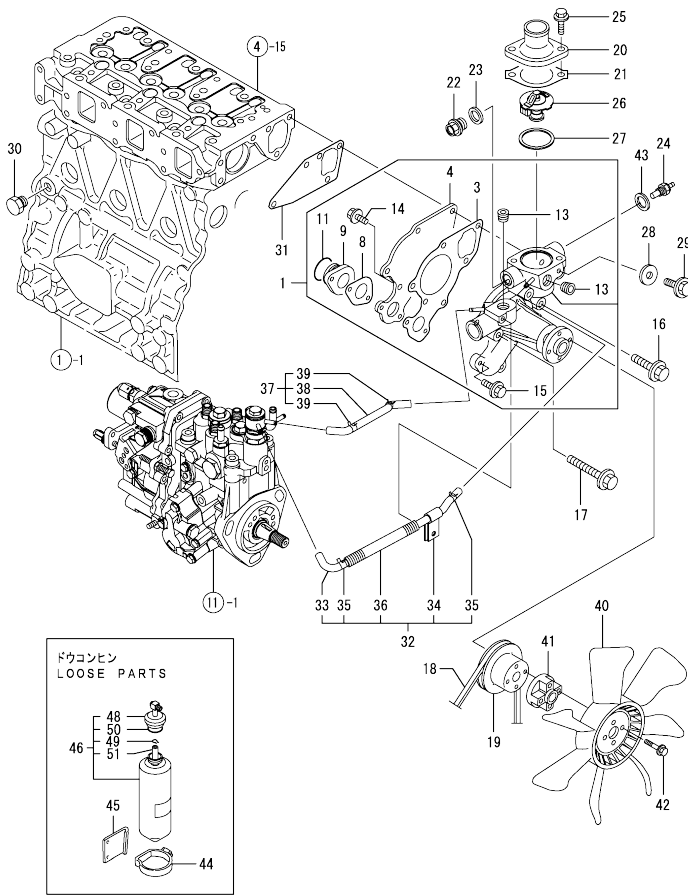
[illegible]

(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:Q'ty Change

OCD10-M92000 3TNV82A-BQIKA

Fig.10. COOLING WATER SYSTEM



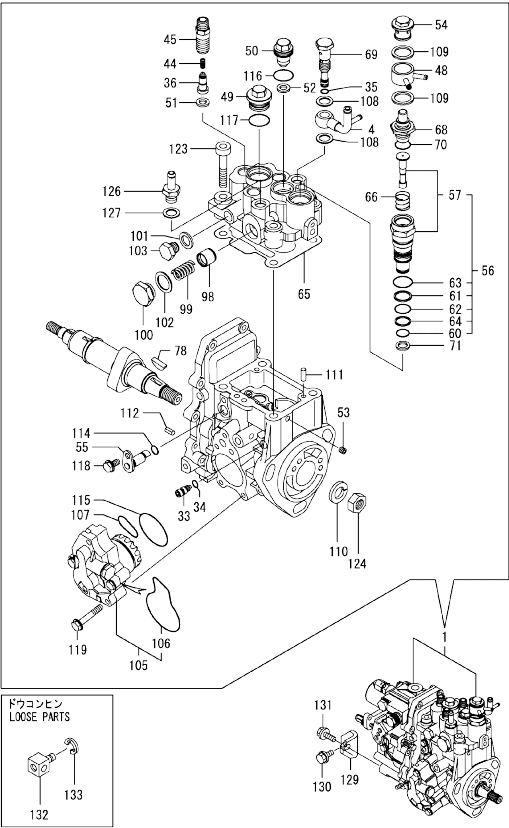
OCD10-M92000 Fig.10

(A)=3TNV82ABQIKA
(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	25132-003900	V-BELT, A39	1							
19	1	129403-42380	V-PULLEY, D=110	1							
20	1	129350-49530	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	121450-42450	PLUG, M16	1							
23	1	124465-44950	GASKET, 16	1							
24	1	171056-49351	SENSOR	1							
25	1	26106-080222	BOLT, M8X 22 PLATED	2							
26	1	129155-49801	THERMOSTAT, 71	1							
27	1	129150-49811	GASKET, THERMOSTAT	1							
28	1	23414-080000	GASKET, 8X1.0	1							
29	1	26106-080122	BOLT, M8X 12 PLATED	1							
30	1	171056-49120	PLUG, DRAIN	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	121267-44741	FAN, COOLING D=360	1							
41	1	121267-44760	SPACER	1							
42	1	26106-060302	BOLT, M6X 30 PLATED	4							
43	1	129150-49360	GASKET	1							
44	1	124450-44550	BAND	1							
45	1	121256-44600	BRACKET, SUB TANK	1							
46	1	171064-44510	TANK ASSY, SUB	1							
48	2	121450-44531	CAP	1							
49	2	124450-44560	RETAINER	1							
50	2	121470-44581	GASKET	1							
51	2	23065-070225	HOSE 7X 225	1							

Fig.11. FUEL INJECTION PUMP



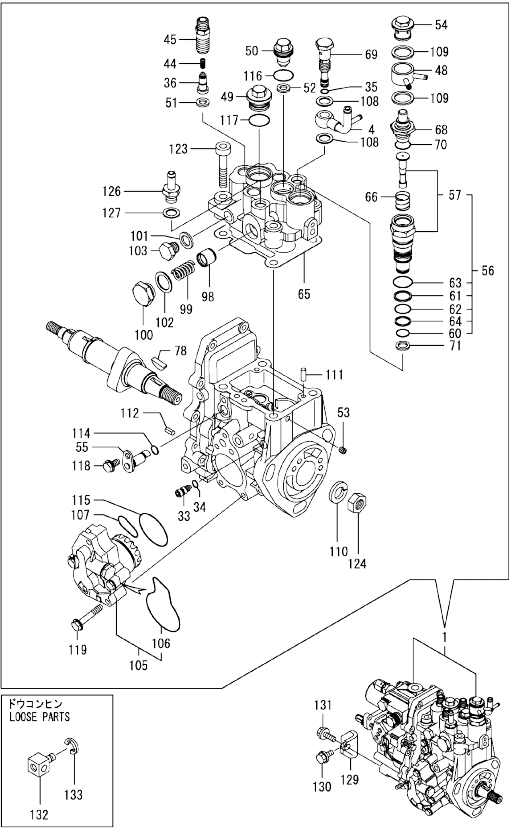
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

(A)=3TNV82ABQIKA
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719935-51300	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 ++
Copyright (C) YANMAR GLOBAL CS CO., LTD. All Rights Reserved.

Fig.11. FUEL INJECTION PUMP



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

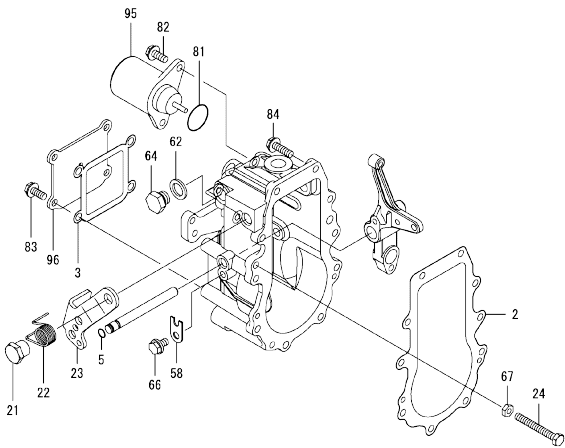
(A)=3TNV82ABQIKA
(B)=
(C)=

(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							
132	1	124756-67510	RETAINER	1							
133	1	22272-000070	RING, E- 7	1							

OCD10-M92000 3TNV82A-BQIIKA

Fig.12. GOVERNOR



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

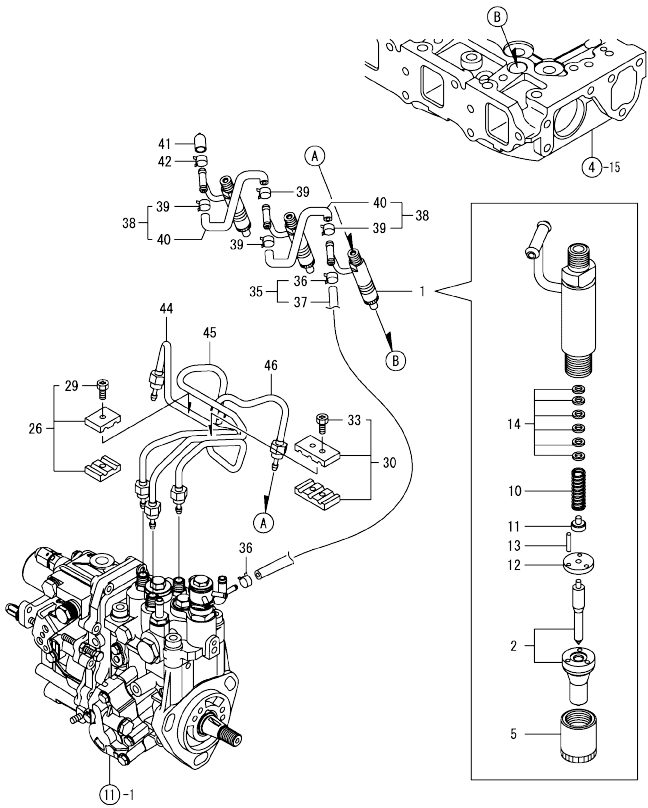
OCD10-M92000 Fig.12

(A)=3TNV82ABQIIKA
(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	129155-51280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
58	2	119660-61901	RETAINER, SHAFT	1							
62	2	22190-120000	WASHER, SEAL 12	1							
64	2	23887-120002	PLUG, 12	1							
66	2	26106-060102	BOLT, M6X 10 PLATED	1							
67	2	26756-060002	NUT, LOCK M6	1							
81	2	158552-61900	O-RING	1							
82	2	26106-060142	BOLT, M6X 14 PLATED	2							
83	2	26106-060142	BOLT, M6X 14 PLATED	4							
84	2	26106-060202	BOLT, M6X 20 PLATED	10							
95	2	119233-77932	SOLENOID, STOP	1							
96	2	129642-61060	COVER, GOVERNOR CASE	1							

Fig.13. FUEL INJECTION VALVE

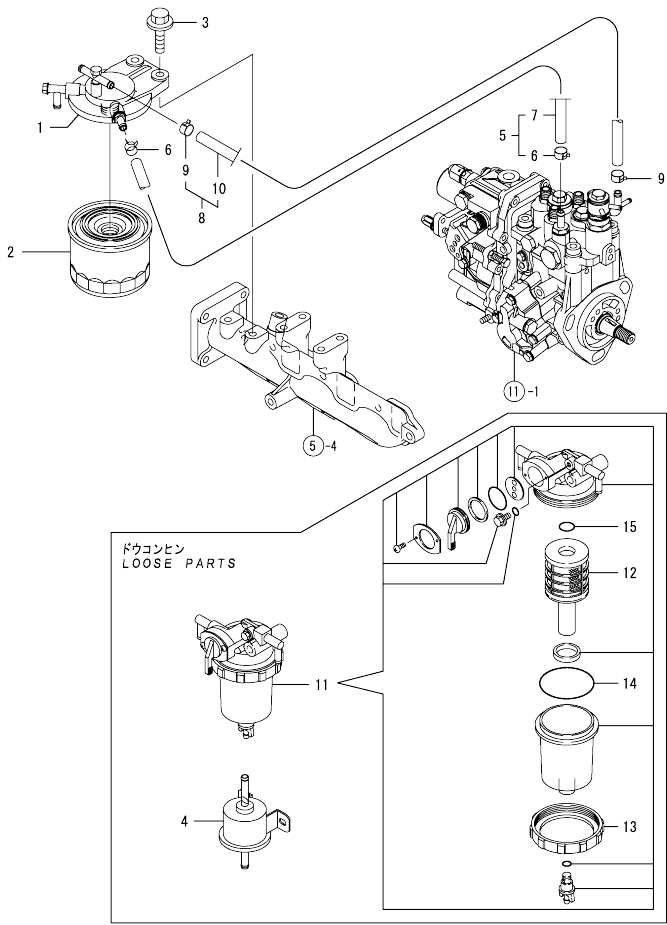


(A)=3TNV82ABQIKA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-53100	VALVE ASSY,INJECTION	3							
2	2	119803-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	119305-59120	RETAINER, PIPE	1							
29	2	129150-59131	BOLT, M4X14	1							
30	1	129150-59120	RETAINER, PIPE	1							
33	2	129150-59131	BOLT, M4X14	2							
35	1	119802-59550	PIPE ASSY, RETURN	1							
36	2	124722-59050	CLIP, HOSE 9	2							
37	2	119802-59560	PIPE, FUEL RETURN	1							
38	1	129486-59551	PIPE ASSY, RETURN	2							
39	2	124722-59050	CLIP, HOSE 9	4							
40	2	129486-59510	PIPE, FUEL RETURN	2							
41	1	119593-59581	CAP	1							
42	1	124060-77680	CLIP, HOSE 10	1							
44	1	119803-59810	PIPE ASSY, INJECTION	1							
45	1	119803-59820	PIPE ASSY, INJECTION	1							
46	1	119803-59830	PIPE ASSY, INJECTION	1							

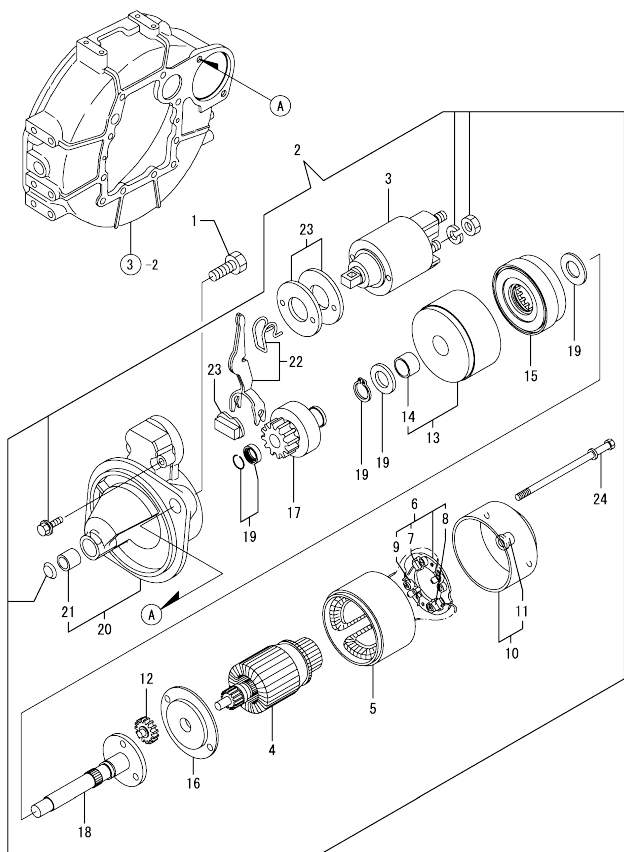
Fig.14. FUEL LINE



(A)=3TNV82ABQIKA
(B)=
(C)=

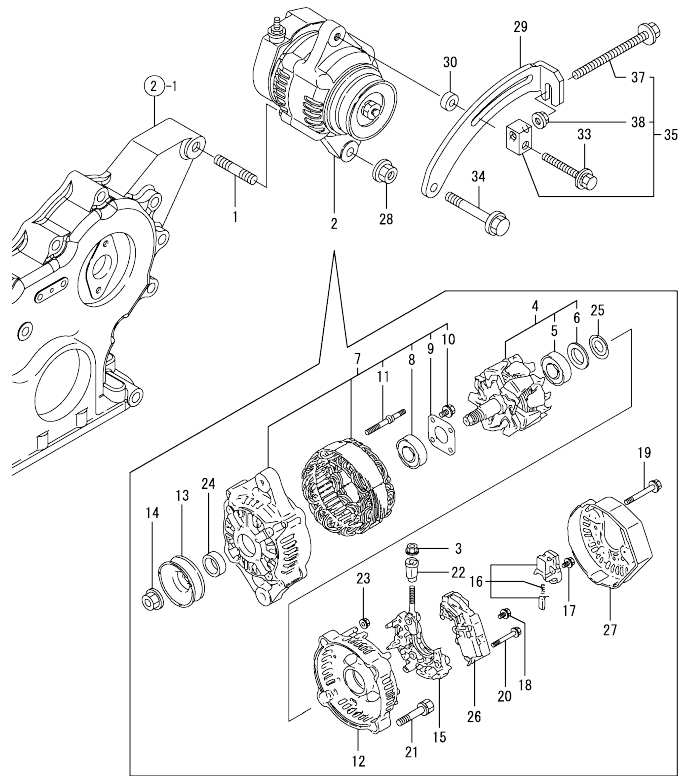
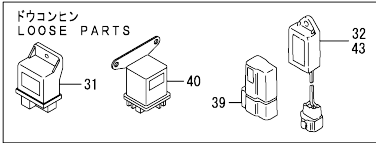
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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	119225-52102	PUMP ASSY, FUEL FEED	1							
5	1	129210-59050	PIPE ASSY, FUEL	1							
6	2	124766-59050	CLIP, HOSE 12	2							
7	2	105312-59510	PIPE, FUEL	1							
8	1	129210-59110	PIPE ASSY, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	105025-59560	PIPE, FUEL	1							
11	1	129906-55700	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							



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

Fig.16. GENERATOR

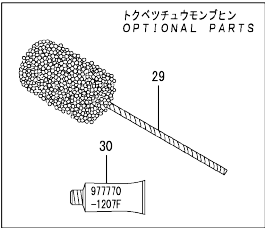
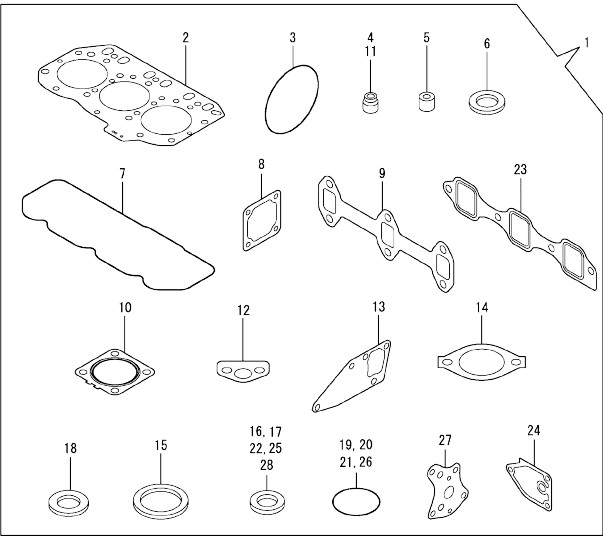


(A)=3TNV82ABQIKA
(B)=
(C)=

(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	129240-77200	ALTERNATOR	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	126501-79240	BALL BEARING	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	119620-79260	HOLDER	1							
16	2	129052-79270	HOLDER, BRUSH	1							
17	2	119620-79290	SCREW	6							
18	2	119620-79300	SCREW	1							
19	2	119620-79310	BOLT	3							
20	2	119620-79320	SCREW	2							
21	2	119620-79330	BOLT	2							
22	2	119620-79340	BUSH, INSULATION	1							
23	2	119620-79350	NUT	2							
24	2	119620-77490	COLLAR	1							
25	2	119620-79360	WASHER, THRUST	1							
26	2	129240-77710	REGULATOR ASSY	1							
27	2	129240-79300	COVER	1							
28	1	26306-100002	NUT, M10	1							
29	1	129240-77320	ADJUSTER	1							
30	1	119940-77270	SPACER, GENERATOR	1							
31	1	119802-77200	RELAY, SAFETY	1							
32	1	129211-77920	TIMER	1							
33	1	26106-080552	BOLT, M8X 55 PLATED	1							
34	1	26106-080452	BOLT, M8X 45 PLATED	1							
35	1	119624-77351	BLOCK ASSY, ADJUSTER	1							
37	2	26106-081004	BOLT, M8X100 PLATED	1							
38	2	26306-080002	NUT, M8	1							
39	1	119643-66900	DIODE	1							
40	1	119650-77910	RELAY ASSY, GLOW	1							
43	1	128300-77920	TIMER	1							

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PARTS.

(A)=3TNV82ABQIIKA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-92910	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	8							
18	2	124465-44950	GASKET, 16	1							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	119810-12112	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	2	129150-32020	GASKET, PUMP	1							
28	2	129150-49360	GASKET	1							
29	1	129400-92420	HONE	1							1
30	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	27
104211-11370	4	14
105025-59560	14	10
105312-59510	14	7
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
118400-77170	15	12
119131-18320	6	5
119225-52102	14	4
119233-77932	12	95
119305-59120	13	26
119593-59581	13	41
119609-32040	2	10
	17	26
119620-01750	3	3
119620-02020	1	12
119620-77380	16	4
119620-77421	16	7
119620-77440	16	12
119620-77461	16	13
119620-77471	16	14
119620-77490	16	24
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79260	16	15
119620-79290	16	17
119620-79300	16	18
119620-79310	16	19
119620-79320	16	20
119620-79330	16	21
119620-79340	16	22
119620-79350	16	23
119620-79360	16	25
119624-77351	16	35
119625-11880	4	33
	17	6
119640-01640	3	9
119643-66900	16	39
119650-77910	16	40
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
119802-11100	4	24
119802-11110	4	25
119802-11241	4	3
119802-11251	4	4
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11310	4	50
	17	7
119802-11350	4	41
119802-11650	4	10
119802-11810	4	21
119802-11870	4	32
	17	5
119802-11900	4	34
119802-12130	5	4
119802-12560	5	8
119802-13129	6	2
119802-14590	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	35
119802-35100	9	8
119802-35110	9	9
119802-39450	9	11
119802-42001	10	1
119802-49610	10	32
119802-49620	10	37
119802-49711	10	33
119802-49721	10	38
119802-49730	10	34
119802-51090	11	78
119802-51250	11	129
119802-51560	11	50
119802-51590	11	56
119802-51600	11	57
119802-51680	11	61
119802-51690	11	62
119802-55710	14	12
119802-55801	14	2
119802-59320	10	36
119802-59550	13	35
119802-59560	13	37

Parts No.	Fig. No.	Ref. No.
119802-77200	16	31
119803-01520	2	5
119803-11340	4	29
	17	4
119803-11700	4	15
119803-21000	8	1
119803-21200	8	5
119803-22080	8	16
119803-25050	7	9
119803-53000	13	2
119803-59810	13	44
119803-59820	13	45
119803-59830	13	46
119803-77520	5	21
119803-77821	4	57
119803-77830	4	59
119807-61420	12	22
119808-12520	5	11
119808-12540	5	13
119810-01200	1	24
119810-01730	3	6
119810-02871	1	26
119810-02931	1	21
119810-02941	1	29
119810-11120	4	26
119810-12112	5	3
	17	23
119810-13110	6	1
	17	9
119810-14400	7	2
119810-23200	8	29
119810-23601	8	30
119810-23611	8	32
119810-23910	8	28
119810-35300	9	33
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
119865-21600	8	15
119866-12541	5	14
119910-12210	5	7
119910-12510	5	10
119910-12601	5	9
119934-59910	11	126
119940-77270	16	30

Parts No.	Fig. No.	Ref. No.
120270-54410	4	35
121023-01551	2	17
121111-21501	8	12
121252-39450	9	1
121256-44600	10	45
121267-44741	10	40
121267-44760	10	41
121450-42450	10	22
121450-44531	10	48
121470-44581	10	50
121520-34810	9	31
121850-21680	8	11
121850-51960	2	11
	17	3
121855-12060	6	11
123900-13610	6	3
123900-13630	6	4
124060-01050	1	6
124060-11800	4	19
124060-77680	13	42
124160-01751	2	7
	4	40
124160-01910	1	4
		14
124160-11340	4	28
	17	11
124160-11360	4	53
124160-39140	9	12
124195-77770	15	24
124240-01871	2	8
124450-44550	10	44
124450-44560	10	49
124465-44950	10	23
	17	18
124722-59050	10	35
	13	36
		39
124756-67510	11	132
124766-59050	14	6
		9
126501-79240	16	5
126650-12680	5	16
128300-77920	16	43
129001-01250	1	7
129001-32001	9	16
129001-91841	2	12
129004-13200	6	7
	17	10
129004-55612	14	1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129005-59830	9	2
129008-51300	11	36
129008-51340	11	45
129008-77800	4	56
129051-12530	5	12
129052-79270	16	16
129054-42320	10	11
129100-01580	3	1
		14
	8	2
129100-01640	3	15
129100-35140	9	10
129100-55690	14	13
129150-02450	7	4
129150-03070	4	43
129150-11230	4	11
129150-11280	4	9
129150-11750	4	13
129150-14101	7	6
129150-14200	7	1
129150-25301	7	15
129150-32020	9	29
	17	27
129150-35042	9	32
	17	12
129150-35111	9	14
	17	24
129150-35153	9	15
129150-49360	10	43
	17	28
129150-49811	10	27
	17	15
129150-59120	13	30
129150-59131	13	29
		33
129150-77511	5	20
	17	8
129155-49801	10	26
129155-51280	12	5
129155-61460	12	24
129210-59050	14	5
129210-59110	14	8
129211-77920	16	32
129240-13550	6	8
129240-77200	16	2
129240-77320	16	29
129240-77710	16	26
129240-79300	16	27
129242-77010	15	2
129242-77100	15	4

Parts No.	Fig. No.	Ref. No.
129242-77110	15	5
129242-77120	15	6
129242-77130	15	7
129242-77140	15	8
129242-77150	15	9
129242-77160	15	10
129242-77170	15	11
129242-77180	15	13
129242-77210	15	16
129242-77260	15	20
129242-77270	15	22
129242-77280	15	23
129255-61410	12	21
129350-49530	10	20
129400-92420	17	29
129403-42380	10	19
129410-03990	5	2
129486-01670	3	18
129486-42050	10	31
	17	13
129486-59510	13	40
129486-59551	13	38
129489-21590	8	13
129612-01600	3	2
129612-12650	5	15
129642-61060	12	96
129698-77020	15	3
129698-77190	15	14
129698-77200	15	15
129698-77220	15	17
129698-77230	15	18
129698-77250	15	19
129792-22400	8	23
129795-01780	3	17
129795-01800	2	4
129795-01900	16	1
129795-01950	2	9
129795-02412	1	13
129795-21661	8	10
129795-49551	10	21
	17	14
129900-07900	4	1
129906-55700	14	11
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

Parts No.	Fig. No.	Ref. No.
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
158553-51640	11	68
158553-51660	11	70
158553-51670	11	60
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	10	30
171056-49351	10	24
171064-44510	10	46
22190-080002	2	22
	9	4
		5
	17	17
22190-100002	9	6
	17	22
22190-120000	12	62
22190-120002	11	101
		108
		127
22190-180002	11	102
		109
22190-220002	3	11
	17	25
22217-140000	7	18
	11	110
22272-000070	11	133
22312-050140	11	111
22351-030010	8	8
22351-050010	11	112
22351-060012	4	36

Parts No.	Fig. No.	Ref. No.
22512-070140	7	7
	8	6
22857-500100	4	51
		52
23000-060000	5	17
23065-070225	10	51
23414-080000	10	28
	17	16
23857-030000	9	3
23876-030000	10	13
23887-120002	11	103
	12	64
24311-000070	11	114
24311-000120	4	54
	17	19
24311-000160	14	15
24311-000320	2	13
	4	55
	17	20
24321-000650	14	14
24341-000240	2	18
	17	21
24356-010180	11	116
24356-010200	11	63
		117
24372-000150	11	64
25132-003900	10	18
26013-080222	5	18
		19
26106-060102	11	118
	12	66
26106-060142	10	14
	12	82
		83
26106-060162	2	19
26106-060202	10	15
	12	84
26106-060302	10	42
26106-080122	10	29
26106-080142	7	8
26106-080162	2	14
		15
	3	12
	4	2
	11	130
26106-080202	5	22
	9	13
	11	131
26106-080222	10	25
26106-080252	4	37

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26106-080252	5	6
26106-080302	2	23
26106-080352	14	3
	3	19
	9	34
	10	16
26106-080402	7	14
26106-080452	3	13
26106-080502	4	38
	16	34
	4	39
26106-080552	2	16
26106-080802	10	17
	16	33
	5	23
26106-081004	16	37
26106-100202	6	9
26116-120252	15	1
26206-100252	3	4
26206-100302	3	5
26306-080002	2	21
26306-100002	6	6
		10
	16	38
26306-060002	16	28
26450-060252	9	7
26450-080452	9	30
26450-080452	11	123
26756-060002	12	67
26776-140002	7	19
27241-120000	11	124
		1
	8	8
27241-300000	1	9
27241-400000	4	23
27310-070001	4	30
719802-01560	1	1
719802-22950	8	36
719803-01500	2	1
719803-22900	8	34
719803-53100	13	1
719810-02981	1	18
719810-23100	8	24
719823-92910	17	1
719935-51300	11	1
977770-1207F	2	20
X2114535200	3	20
	4	58
	17	30
X9490561001	15	21
	16	3