

17215

YANMAR DIESEL ENGINE

YANMAR

PARTS CATALOG

MODEL

3TNV82A-VB1A

(for B25V (AY))

Published

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silverhorn.co.uk

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV82A-VB1A engine for B25V (AY).
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)

(A)=4JH-DT (D)=4JH-DTZA
 (B)=4JH-DTZ (E)=4JH-DTZY
 (C)=4JH-DTZP (F)=

① ↓
REF.

② ↓
LEV.

		PARTS No.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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 6X16	9	9	9	9	9			
1 3-1	2	26022-060162	SCREW M 6X16	4	4	4	4	4			K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	GEARSHIFT	9	9	9	9	9			
5	2	122710-51050	BEARING, ROLLER	9	9	9	9	9			
6	2	129470-51060	RETAINER	9	9	9	9	9			

Remarks

① BOOST COMPENSATOR TYPE
 OPTIONAL PART TO E#00155
 (4JH-DT, 4JH-DTZ)

① Ref. No.

The Ref. No. in the list may not be in accordance with the Ref. No. on illustration.

(Ex.) illustration No.

List heed No.

1

1

(Before change) → 1-1 (After change)

When interchangeable symbol N, and K, illustrations for the new parts are sometimes omitted.

② Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in "1" (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in "2", Grand-child parts in terms of "1".

(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

③ Change Mark

Change Mark "I" is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④ Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old ↔ New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ↔ New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ↔ New	New Part is interchangeable for Old Part and vice versa.
S	Old ↔ New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤ Effective Machine No.

When a part is changed, Effective Machine No. of a Model for which the part is applicable is Indication

In each column of (A)-(F).

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No., Compressor No.	M	Machine No.
D	Drive No.	T	Tractor No.
E	Engine No.	Note 1) x	Date

Note 1) Date may follow the symbol in some cases. (Ex.) *1996.01

Note 2) As far as engine models shown by "XXX" are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E#(Engine Serial Number) 00185

⑥ Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols as those stated above.

CONTENTS

MODEL : 3TNV82A-VB1A

PC NO : Y00B7310

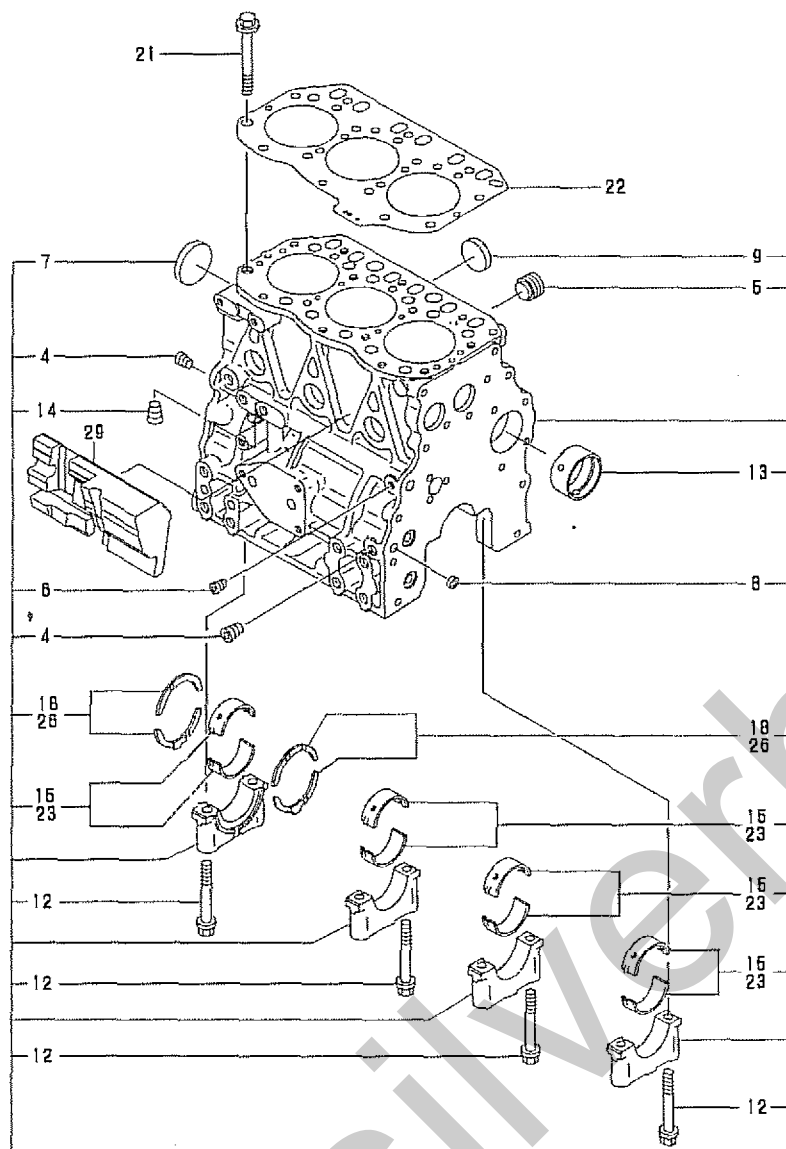
Fig.No. GROUP NAME

ENGINE 3TNV82A-VB1A

Fig.No. GROUP NAME

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 & TOOLS

Fig.1. CYLINDER BLOCK



Y00B7310 1. CYLINDER BLOCK

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

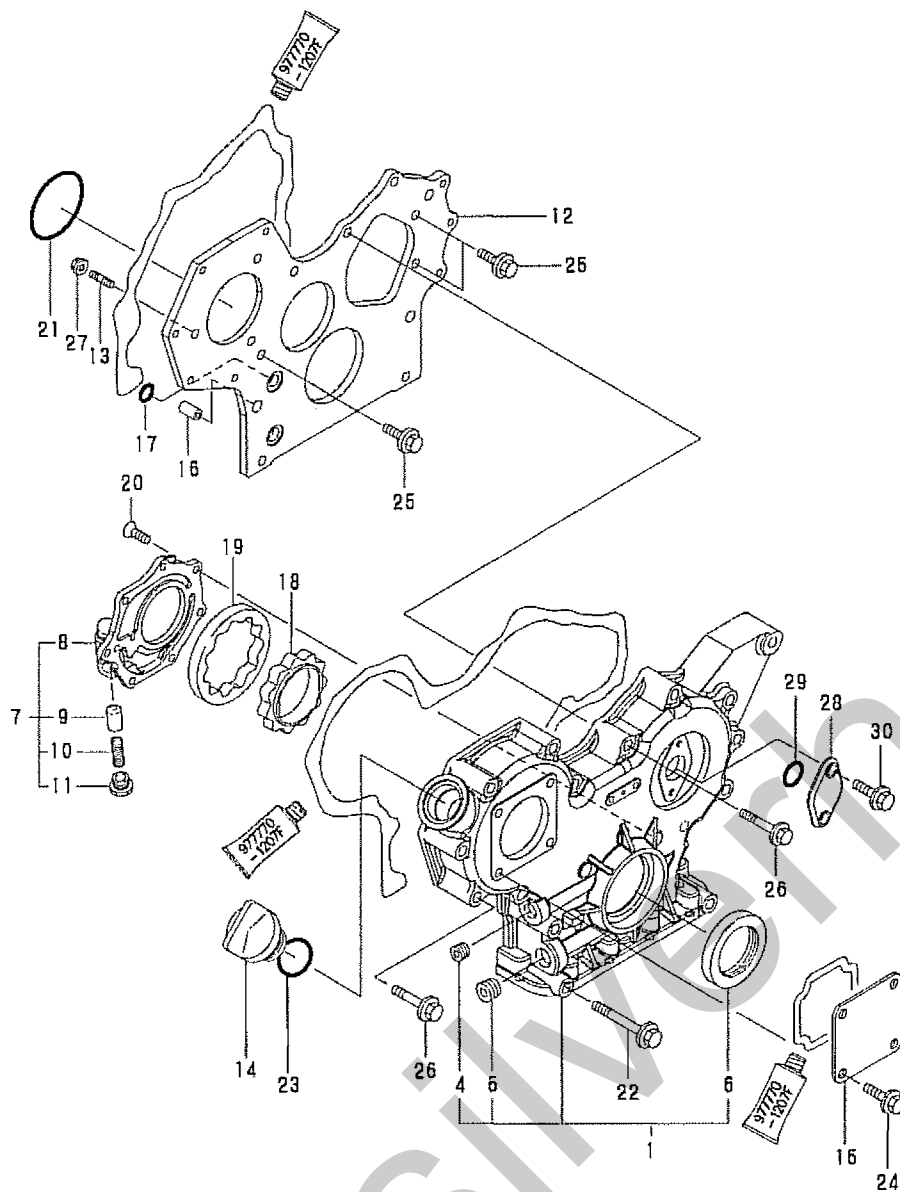
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
4	3	124160-01910	PLUG PT1/4	2							
5	3	171051-01921	PLUG	1							
6	3	124060-01050	PLUG PT1/8	1							
7	3	129001-01250	PLUG 50	1							
8	3	27241-120000	PLUG 12	2							
9	3	27241-300000	PLUG 30	6							
12	3	119620-02020	BOLT	8							
13	3	129795-02411	BUSH, CAMSHAFT	1							
14	3	124160-01910	PLUG PT1/4	1							
15	2	719810-02980	METAL, MAIN (STD)	4							3
18	2	119810-02930	BEARING, THRUST (2PAIR)	1							
21	1	119810-01200	BOLT, CYL. HEAD	14							
22	1	119812-01330	GASKET, HEAD	1							
23	1	119810-02870	MAIN BEARING US=0.25	4							1
26	1	119810-02940	BEARING, THRUST .25OS	2							2
29	1	119802-01190	SPACER	1							

Remarks

(1) UNDER SIZED (U.S.=0.25) PART.
(2) OVER SIZED (U.S.=0.25) PART.

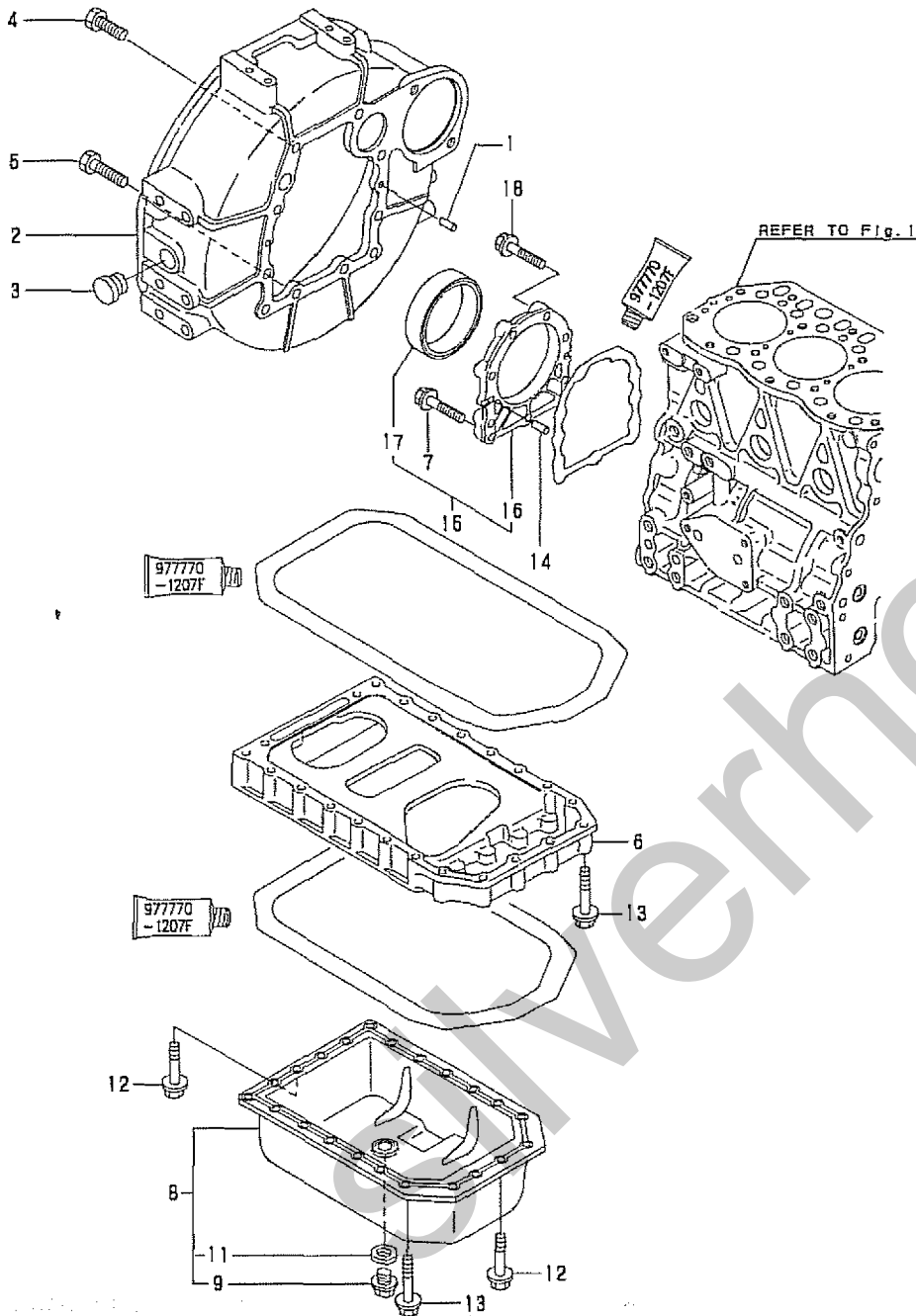
(A)=3TNV82A-VB1A (D)=
 (B)= (E)=
 (C)= (F)=

Fig.2. GEAR HOUSING



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729240-01500	HOUSING ASSY, GEAR	1							
4	2	23876-030000	PLUG PT3/8,SCREW	1							
5	2	23876-040000	PLUG PT 1/2	1							
6	2	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY, PUMP	1							
8	2	119802-32070	COVER, LUB.OIL PUMP	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	119802-01520	FRANGE, GEAR CASE	1							
13	1	119802-01561	STUD, M8X25	3							
14	1	124160-01751	COVER,FILLER	1							
15	1	124240-01871	COVER, HO-P	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING P16	4							
18	1	119802-32111	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING, F.I.PUMP	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING 1A P-32.0	1							
24	1	26106-080162	BOLT M 8X 16 PLATED	4							
25	1	26106-080162	BOLT M 8X 16 PLATED	3							
26	1	26106-080552	BOLT M 8X 55 PLATED	12							
27	1	26306-080002	NUT	3							
28	1	121023-01551	COVER, BLIND	1							
29	1	24341-000240	O-RING 1A S-24.0	1							
30	1	26106-060162	BOLT M 6X 16 PLATED	2							

Fig.3. FLYWHEEL HOUSING & OIL SUMP

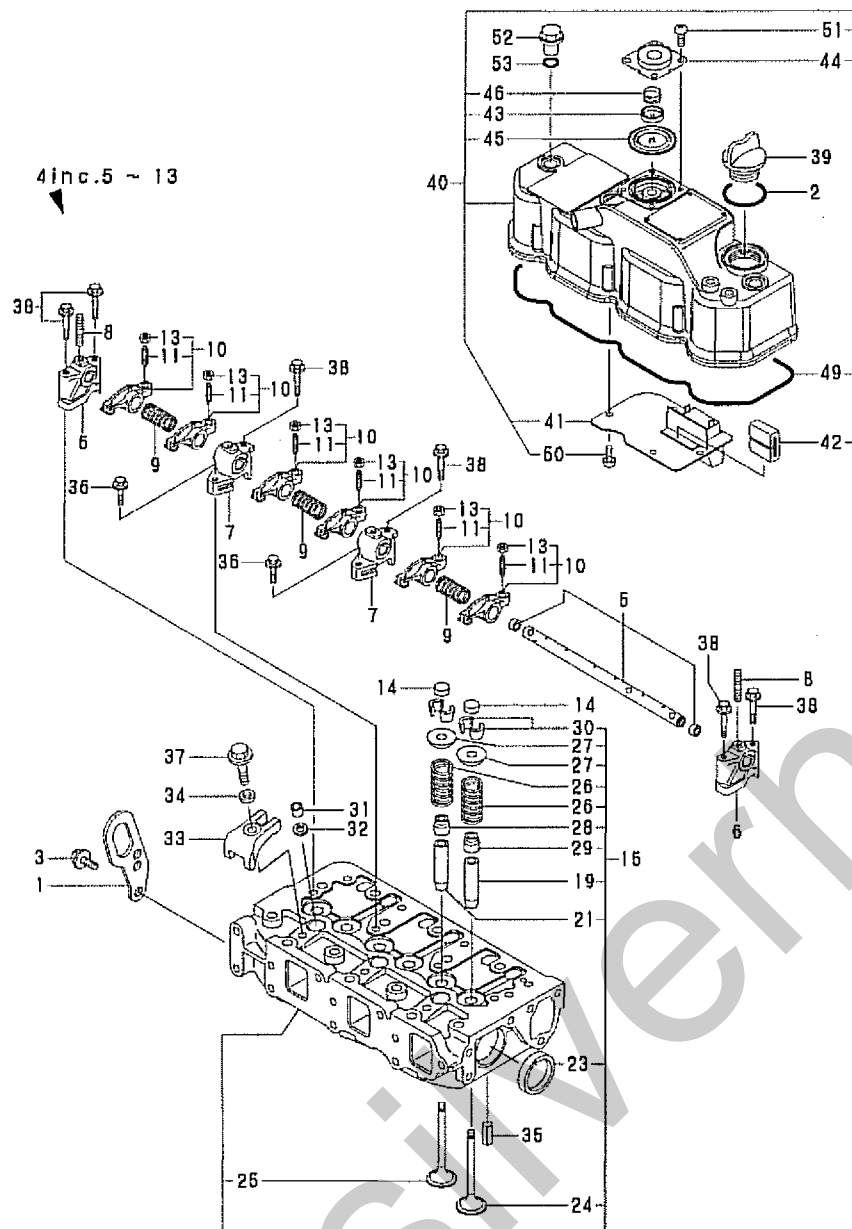


(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PARALLEL PIN 8X16	2							
2	1	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP, FLYWHEEL COVER	1							
4	1	26206-100252	BOLT M10X25	6							
5	1	26206-100302	BOLT M10X30	4							
6	1	119810-01730	SPACER, L.O. SUMP	1							
7	1	26106-080352	BOLT M 8X 35 PLATED	3							
8	1	119810-01790	SUMP ASSY, OIL	1							
9	2	119640-01640	DRAIN PLUG M22	1							
11	2	22190-220002	SEAL WASHER 22S	1							
12	1	26106-080162	BOLT M 8X 16 PLATED	6							
13	1	26106-080452	BOLT M 8X 45 PLATED	22							
14	1	129100-01580	PARALLEL PIN 8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
16	2	129150-01650	CASE, OIL SEAL	1							
17	2	129795-01780	SEAL OIL	1							
18	1	129486-01670	BOLT M8X30, COLLAR HD	6							

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

Fig.4. CYLINDER HEAD & BONNET

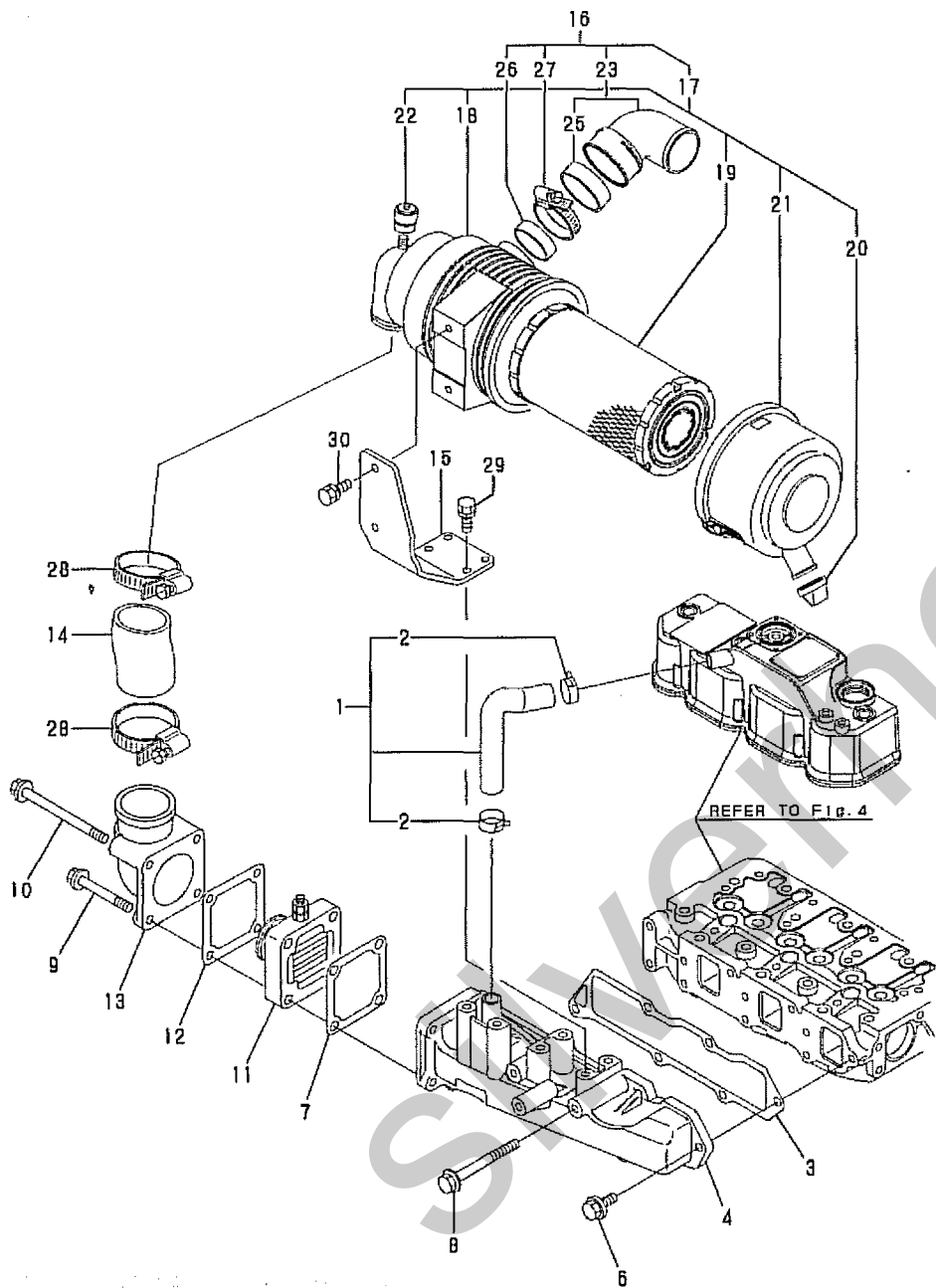


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	1							
2	1	24311-000320	O-RING 1A P-32.0	1							
3	1	26106-080162	BOLT M 8X 16 PLATED	2							
4	1	119802-11241	SHAFT ASSY, ROCKER	1							
5	2	119802-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	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 ASSY, ROCKER	6							
11	3	129150-11230	SCREW, VALVE	6							
13	3	129150-11750	NUT M8XP1.0	6							
14	1	104211-11370	CAP, VALVE	6							
15	1	119802-11700	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	124950-11340	SEAL, VALVE STEM	3							
30	2	27310-070001	COTTER ASSY	6							
31	1	119802-11870	PROTECTOR, NOZZLE	3							
32	1	119625-11680	SEAT, NOZZLE	3							
33	1	119802-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER	3							
35	1	22351-080012	SPRING PIN 6X12	2							
36	1	26106-080252	BOLT M 8X 25 PLATED	2							
37	1	26106-080452	BOLT M 8X 45 PLATED	3							
38	1	26106-080502	BOLT M 8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	119802-11350	BONNET ASSY, HEAD	1							
41	2	119802-03010	PLATE, BAFFLE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE, DIAPHRAGM	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	119802-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW 5X10, TAPPING	4							
51	2	22857-500100	SCREW 5X10, TAPPING	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING 1A P 12.0	3							

Remarks

(1) REPAIR PART.

Fig.5. SUCTION MANIFOLD & AIR CLEANER



Y00B7310 5. SUCTION MANIFOLD & AIR CLEANER

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-03080	PIPE, BREATHER	1							
2	2	129410-03990	CLAMP 24	2							
3	1	119813-12110	GASKET,INT. MANIFOLD	1							
4	1	119802-12100	MANIFOLD, INTAKE	1							
6	1	26106-080202	BOLT M 8X 20 PLATED	4							
7	1	129150-77511	GASKET, (NON-ASB.)	2							
8	1	26106-080802	BOLT M 8X 80 PLATED	2							
9	1	26106-080402	BOLT M 8X 40 PLATED	2							
10	1	26106-080802	BOLT M 8X 80 PLATED	2							
11	1	129100-77500	HEATER, AIR	1							
12	1	129100-77510	GASKET, AIR HEATER	1							
13	1	171340-77520	BEND	1							
14	1	119910-12210	PIPE,INTAKE	1							
15	1	119802-12560	BRACKET,AIRCLEANER	1							
16	1	129612-12601	CLEANER ASSY, AIR	1							
17	2	119910-12501	CLEANER, AIR	1							
18	3	119910-12510	BODY, AIR CLEANER	1							
19	3	119808-12520	ELEMENT, OUTER	1							
20	3	119808-12540	VALVE, UNLOADER	1							
21	3	119866-12541	COVER ASSY	1							
22	3	126650-12680	INDICATOR	1							
23	2	129612-12560	ELBOW, AIR INTAKE	1							
25	3	129612-12590	ELBOW,AIR INTAKE	1							
26	2	129259-12570	RING	1							
27	2	23000-060000	CLAMP 60	1							
28	1	23000-060000	CLAMP 60	2							
29	1	26013-080222	BOLT M 8X 22	4							
30	1	26013-080222	BOLT M 8X 22	2							

Fig.6. EXHAUST MANIFOLD & SILENCER

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						1 R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119802-13130	MANIFOLD, EXHAUST	1						
2	1	119810-13110	GASKET, EXH.MANIFOLD	1						
3	1	26306-080002	NUT	2						
4	1	119131-18320	BOLT M 8X 22	4						
5	1	119802-13640	BOLT, M8X60	4						
6	1	119802-13740	STUD M 8X 60	2						
7	1	129004-13200	GASKET, SILENCER	1						
8	1	129004-13550	SILENCER	1						
9	1	26106-080202	BOLT M 8X 20 PLATED	2						
10	1	26306-080002	NUT	4						

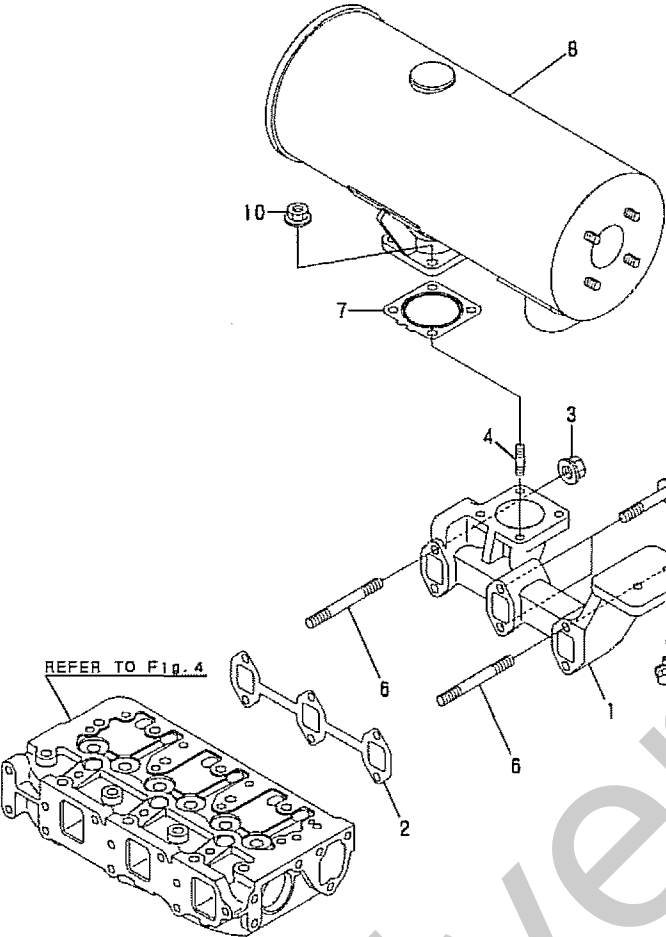
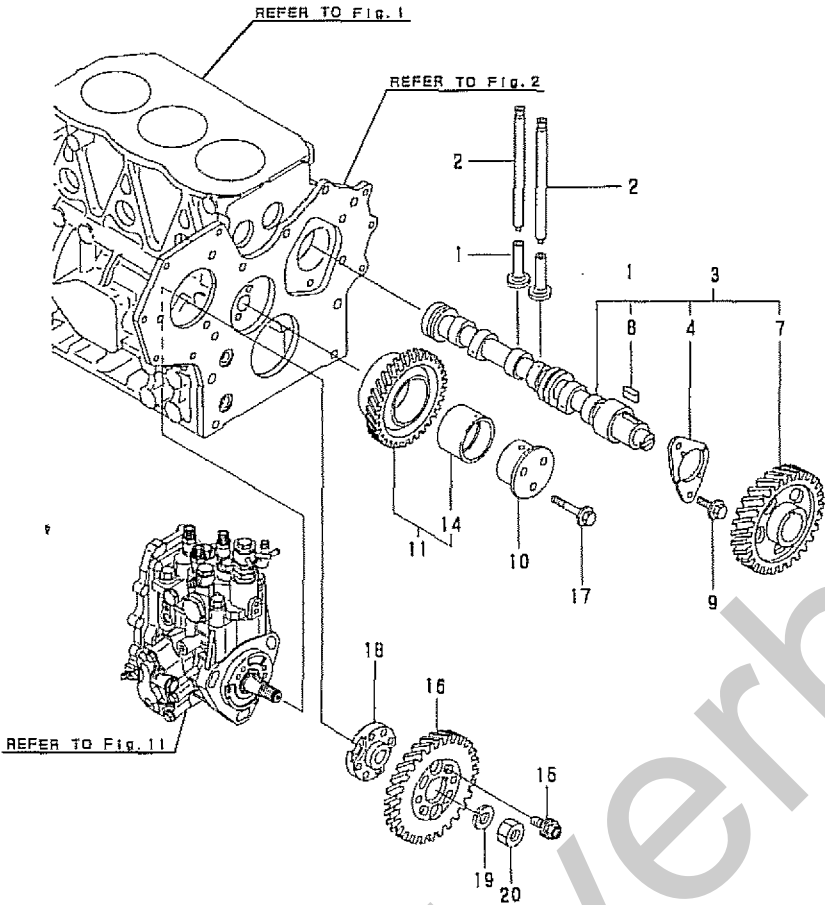


Fig.7. CAMSHAFT & DRIVING GEAR

7. CAMSHAFT & DRIVING GEAR

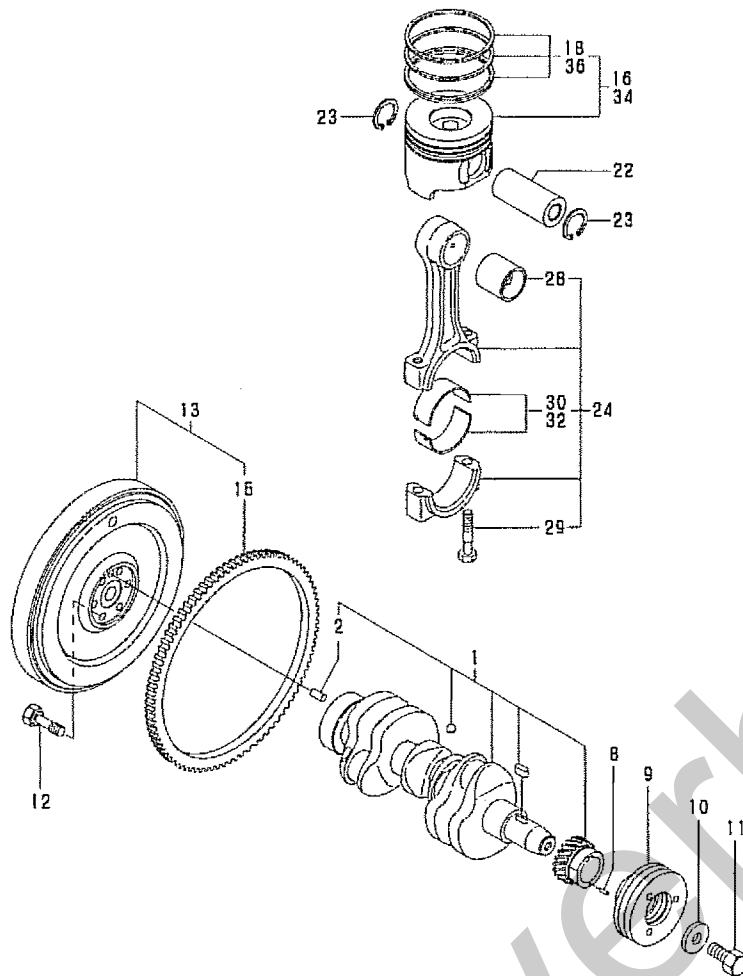
(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	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	CAMSHFT ASSY	1							
4	2	129150-02450	METAL,THRUST(CAM	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY 7X 14	1							
9	1	26106-080142	BOLT 8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE GEAR	1							
11	1	119802-25100	GEAR ASSY, IDLE	1							
14	2	119802-25070	BUSH, IDLE GEAR	1							1
15	1	129150-25301	BOLT,FI-P	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	26106-080402	BOLT M 8X 40 PLATED	3							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	SPRING WASHER 14	1							
20	1	26776-140002	LOCK NUT M14 PLATED	1							



(A)=3TNVB2A-VB1A (D)=
 (B)= (E)=
 (C)= (F)=

Fig.8. CRANKSHAFT & PISTON

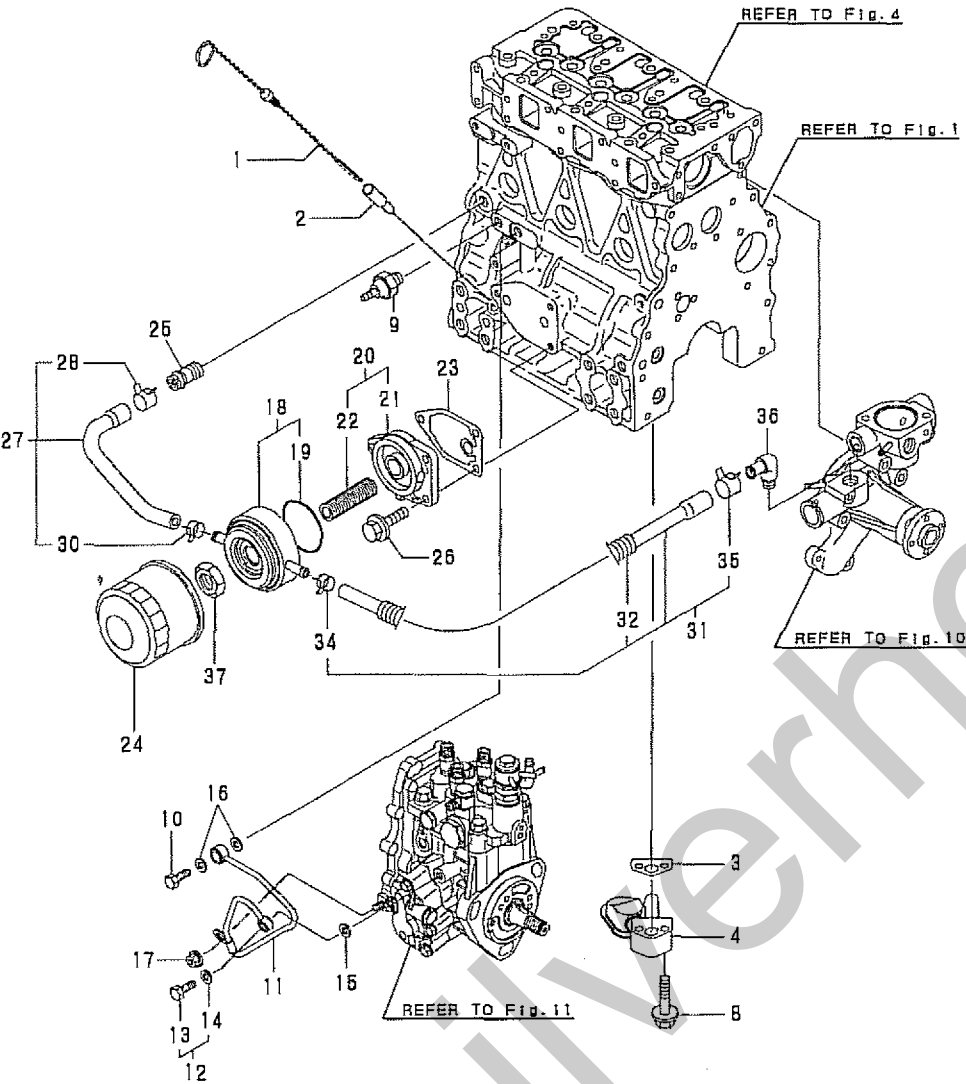


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PARALLEL PIN 8X16	1							
8	1	22351-030010	SPRING PIN 3X10	1							
9	1	119802-21650	V-PULLEY, CRANKSHAFT	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT, V-PULLEY	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129489-21590	FLYWHEEL ASSY	1							
15	2	119865-21600	GEAR, RING	1							
16	1	119802-22080	PISTON W/RING	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	BUSH, PISTON PIN	3							1
29	2	119810-23200	BOLT, CONNECTING ROD	6							
30	2	119810-23600	BEARING, CRANKPIN	3							
32	1	119810-23610	BEARING, PIN U.S.=0.25	3							2
34	1	119802-22900	PISTON ASSY	3							3
36	2	119802-22950	RING SET O.S.=0.25	3							3

Remarks

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

Fig.9. LUB.OIL SYSTEM

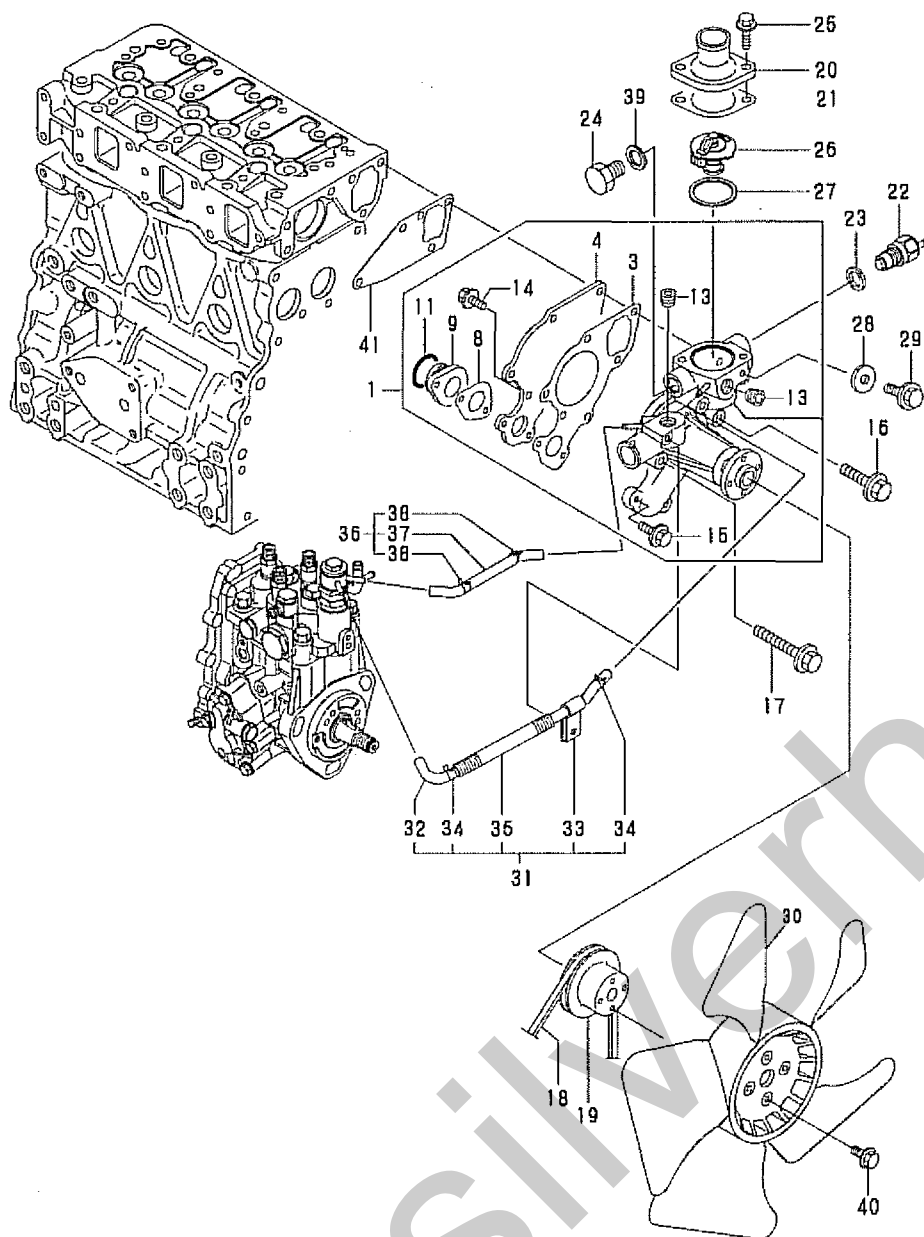


(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

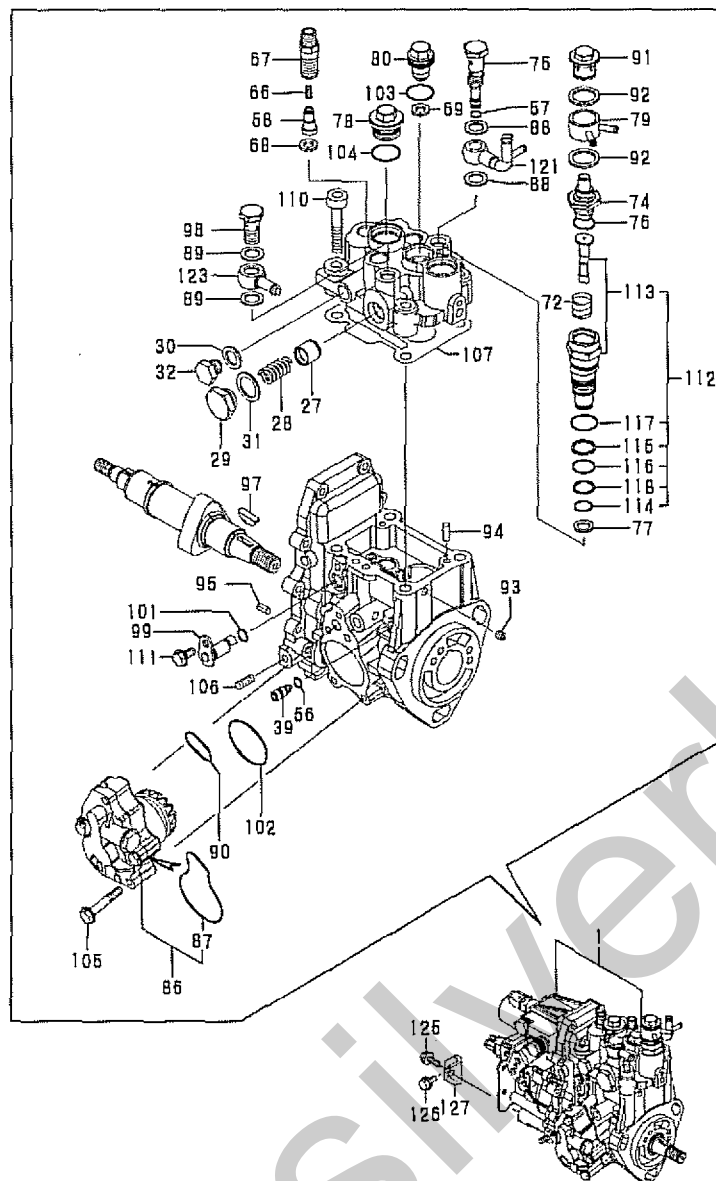
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-34812	DIPSTICK, LUB.OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	GASKET, (NON-ASB.)	1							
4	1	119810-35401	PIPE ASSY, OIL INLET	1							
8	1	26106-080352	BOLT M 8X 35 PLATED	2							
9	1	114250-39450	SWITCH,(0.5KG)L.O.	1							
10	1	124160-39140	BOLT 10, PIPE JOINT	1							
11	1	119802-39450	PIPE ASSY, LUB. OIL	1							
12	1	129005-59830	BOLT ASSY, JOINT	1							
13	2	23857-030000	JOINT BOLT 3	1							
14	2	22190-080002	SEAL WASHER 8S	1							
15	1	22190-080002	SEAL WASHER 8S	1							
16	1	22190-100002	SEAL WASHER 10S	2							
17	1	26366-060002	NUT M 6	1							
18	1	129508-33010	COOLER ASSY, OIL	1							
19	2	129508-33050	O-RING	1							
20	1	129006-35100	BRACKET ASSY, FILTER	1							
21	2	119802-35110	BRACKET, FILTER	1							
22	2	129417-35150	STUD	1							
23	1	129150-35111	GASKET, (NON-ASB.)	1							
24	1	129150-35152	FILTER 80X80L	1							
25	1	129122-44480	JOINT	1							
26	1	26106-080202	BOLT M 8X 20 PLATED	3							
27	1	129508-49030	PIPE,COOLER IN	1							
28	2	171008-03990	CLAMP 18.5	1							
30	2	23080-015000	CLAMP	1							
31	1	129508-49040	PIPE,COOLER OUT	1							
32	2	119940-59130	PROTECTOR, PIPE 19	1							
34	2	23080-015000	CLAMP	1							
35	2	23080-018000	CLAMP 18	1							
36	1	119944-49300	ELBOW PT3/8	1							
37	1	129417-33110	NUT OIL COOLER	1							

(A)=3TNNV82A-VB1A (D)=
 (B)= (E)=
 (C)= (F)=

Fig.10. COOLING WATER SYSTEM



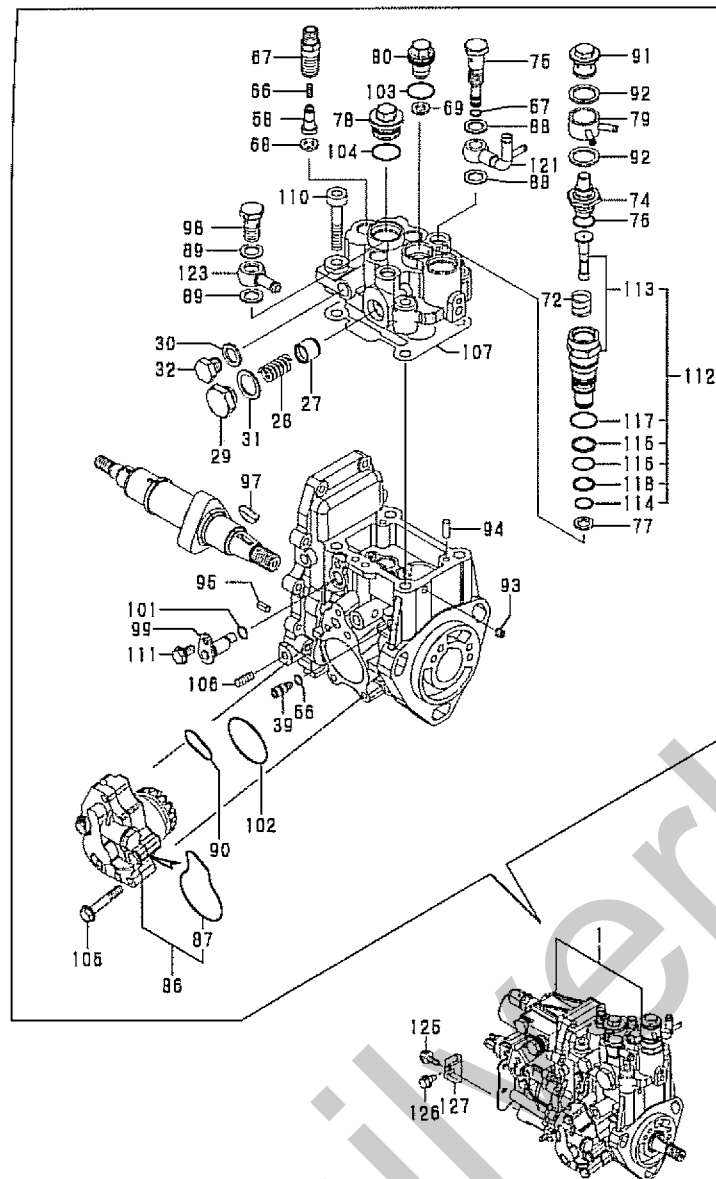
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119802-42000	PUMP ASSY, WATER	1						
3	2	119810-42281	GASKET, (NON-ASB.)	1						
4	2	119810-42120	PLATE	1						
8	2	119810-42051	GASKET, (NON-ASB.)	1						
9	2	119810-42290	PIPE, C.W. PUMP	1						
11	2	129054-42320	O-RING	1						
13	2	23871-030000	PLUG PT3/8, SCREW	2						
14	2	26106-060142	BOLT M 6X 14 PLATED	2						
15	2	26106-060202	BOLT M 6X 20 PLATED	2						
16	1	26106-080352	BOLT M 8X 35 PLATED	1						
17	1	26106-080552	BOLT M 8X 55 PLATED	3						
18	1	25132-003800	V-BELT (A-38)	1						
19	1	129556-42350	V-PULLEY	1						
20	1	129350-49530	COVER, THERMOSTAT	1						
21	1	129795-49551	GASKET, (NON-ASB.)	1						
22	1	121250-44901	SWITCH, THERMO(110 C	1						
23	1	124465-44950	GASKET 16	1						
24	1	121450-42450	PLUG M16	1						
25	1	26106-080222	BOLT M 8X 22 PLATED	2						
26	1	129155-49801	THERMOSTAT (71)	1						
27	1	129150-49811	GASKET, (NON-ASB.)	1						
28	1	23414-080000	GASKET 8, ROUND	1						
29	1	26106-080122	BOLT M 8X 12 PLATED	1						
30	1	119831-44740	FAN, COOLING	1						
31	1	119802-49610	PIPE ASSY, A MP2	1						
32	2	119802-49711	PIPE ASSY, A MP2	1						
33	2	119802-49730	CLAMP, CW-T	1						
34	2	124722-59050	CLAMP 9	2						
35	2	119802-59320	TUBE, CORRUGATED	1						
36	1	119802-49620	PIPE ASSY, B MP2	1						
37	2	119802-49721	PIPE, WATER B MP2	1						
38	2	124722-59050	CLAMP 9	2						
39	1	124465-44950	GASKET 16	1						
40	1	26106-060142	BOLT M 6X 14 PLATED	4						
41	1	129486-42050	GASKET	1						



(1) GOVERNOR ASSY (FIG. 12) IS

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	719940-51410	INJECTION PUMP ASSY	1					
27	3	158601-51770	PISTON	1					
28	3	158552-51780	DAMPER ASSY	1					
29	3	158601-51790	PLUG	1					
30	3	22190-120002	SEAL WASHER 12	1					
31	3	22190-180002	SEAL WASHER 18	1					
32	3	23887-120002	PLUG M12,HEX.	1					
39	3	158600-51270	STOPPER	1					
56	3	158563-51281	O-RING	1					
57	3	158563-51281	O-RING	1					
58	3	158560-51300	VALVE ASSY, DILEVERY	3					
66	3	158563-51330	SPRING	3					
67	3	158601-51340	HOLDER, DELIVERY	3					
68	3	158552-51570	PK(BARREL PLUG	3					
69	3	158552-51570	PK(BARREL PLUG	1					
72	3	158553-51630	SPRING,TIMER	1					
74	3	158553-51640	ELEMENT, THERMO	1					
75	3	158601-51650	JOINT	1					
76	3	158553-51660	O-RING,P14	1					
77	3	158553-51680	PACKING,TIMER	1					
78	3	158601-51550	PLUG	1					
79	3	158553-51551	JOINT, COOLING WATER	1					
80	3	119802-51560	BARREL PLUG	1					
86	3	158552-52100	PUMP ASSY,FEED	1					
87	4	158552-52500	O-RING(FEED P INNER	1					
88	3	22190-120002	SEAL WASHER 12	2					
89	3	22190-120002	SEAL WASHER 12	2					
90	3	158552-52310	O-RING	1					
91	3	158601-51570	PLUG,WATER PUMP	1					
92	3	22190-180002	SEAL WASHER 18	2					
93	3	158557-51570	PLUG	1					
94	3	22312-050140	PARALLEL PIN 5X14	2					
95	3	22351-050010	SPRING PIN 5X10	2					
97	3	119802-51090	KEY,WOODRUFF 4X16	1					
98	3	23857-060000	JOINT BOLT 6,PIPE	1					
99	3	158552-51580	LIFTER	1					
101	3	24311-000070	O-RING 1A P-7,0	1					
102	3	158552-52400	O-RING 4E S42	1					
103	3	24356-010180	O-RING	1					
104	3	24356-010200	PACKING, 1020	1					
105	3	158553-51770	BOLT	4					
106	3	26216-060162	STUD M 6X 16 PLATED	1					
107	3	158552-51600	PACKING, HEAD	1					
110	3	26450-080452	BOLT M 8X 45	4					
111	3	26106-060102	BOLT 6X 10 PLATED	1					
112	3	119802-51590	TIMER SET	1					
113	4	119802-51600	TIMER CMP	1					
114	4	158553-51670	O-RING, 1011	1					
115	4	119802-51680	BACKUP RING	1					
116	4	119802-51690	O RING	1					
117	4	24356-010200	PACKING, 1020	1					

Fig.11. FUEL INJECTION PUMP



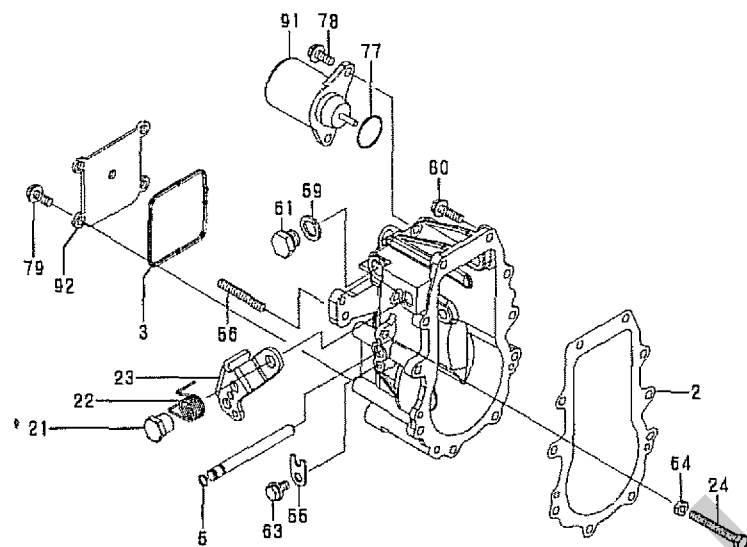
Remarks

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

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
118	4	24372-000150	RING, BACKUP T2 P 15	1							
121	2	158552-51670	JOINT	1							
123	2	129916-59020	JOINT 12, PIPE	1							
125	1	26106-080202	BOLT M 8X 20 PLATED	1							
126	1	26106-080162	BOLT M 8X 16 PLATED	1							
127	1	119802-51250	BRACKET, PUMP	1							

Fig.12. GOVERNOR



Y00B7310 12. GOVERNOR

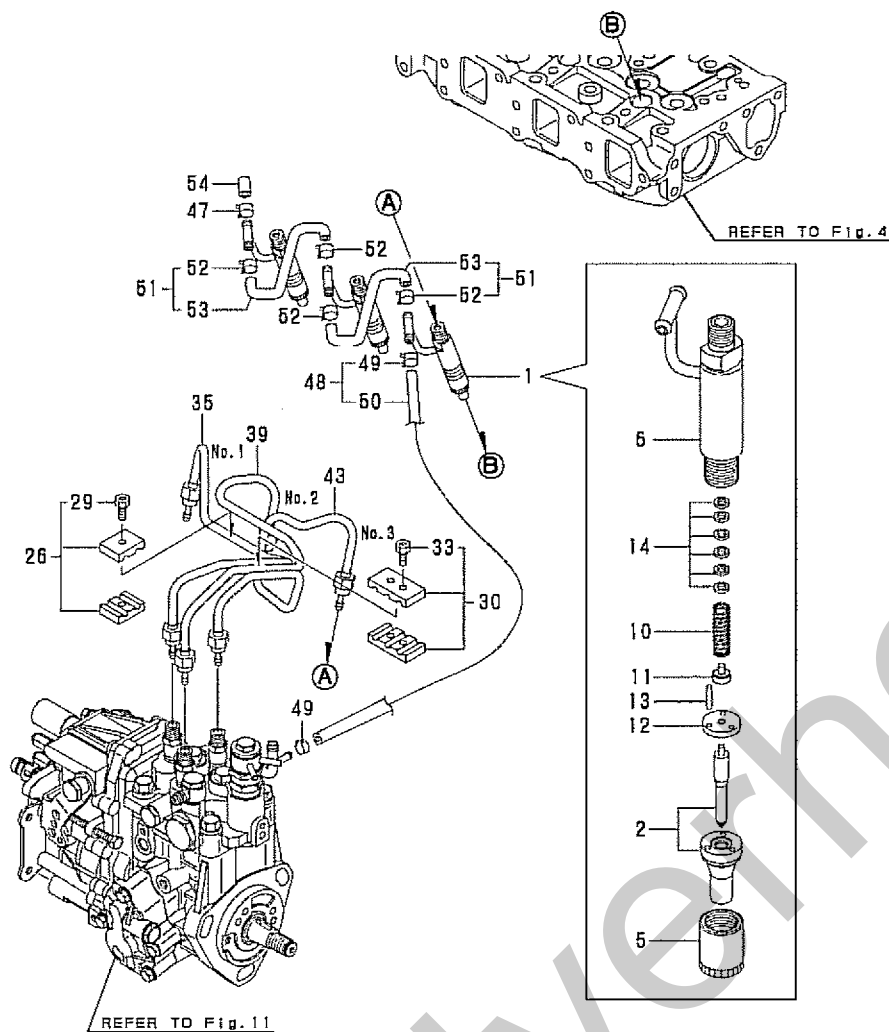
(A)=3TNV82A-VB1A (D)=
 (B)= (E)=
 (C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	158553-61050	PACKING, CASE	1							
3	3	158553-61070	PACKING	1							
5	3	129155-51280	O-RING S6	1							
21	3	129255-61410	NUT	1							
22	3	119807-61420	SPRING	1							
23	3	158552-61441	LEVER, REGULATOR	1							
24	3	129155-61460	BOLT, IDLE LIMIT	1							
55	3	119660-61901	RETAINER, SHAFT	1							
56	3	171002-66830	SCREW, ADJUST	1							
59	3	22190-120000	SEAL WASHER 12(BOLT)	1							
61	3	23887-120002	PLUG M12,HEX.	1							
63	3	26106-060102	BOLT 6X 10 PLATED	1							
64	3	26756-060002	LOCK NUT 6	1							
77	3	24341-000280	O-RING 1A S-28.0	1							
78	3	26106-060142	BOLT M 6X 14 PLATED	2							
79	3	26106-060142	BOLT M 6X 14 PLATED	4							
80	3	26106-060202	BOLT M 6X 20 PLATED	10							
91	2	119233-77932	SOLENOID, STOP	1							
92	2	129642-61060	COVER, CASE	1							

Remarks

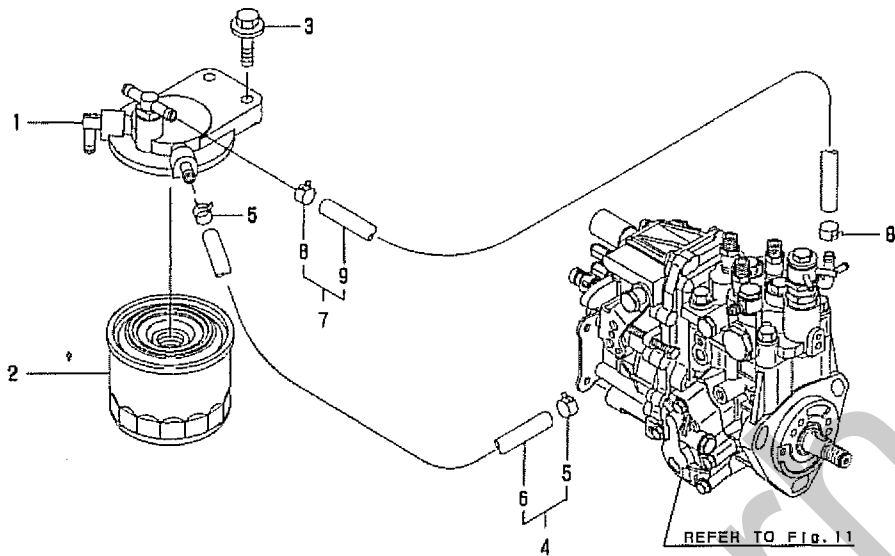
* THIS FIGURE(GOVERNOR ASSY)IS

Fig.13. FUEL INJECTION VALVE

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729646-53100	FUEL INJECTOR(WCM	3							
2	2	129646-53000	NOZZLE ASSY	3							
5	2	114250-53080	NUT, NOZZLE CASE	3							
6	2	119802-53100	HOLDER ASSY, NOZZLE	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, NOZZLE SPRING	3							
12	2	114250-53140	PLATE, STOP	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM PACK	3							
26	1	119305-59120	RETAINER	1							
29	2	129150-59131	BOLT M4X14,HEX.SCKT.	1							
30	1	129150-59120	RETAINER, INJ. PIPE	1							
33	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
35	1	119802-59810	PIPE ASSY, INJECTION	1							
39	1	119802-59820	PIPE ASSY, INJECTION	1							
43	1	119802-59830	PIPE ASSY, INJECTION	1							
47	1	124066-59100	CLAMP 8	2							
48	1	119802-59550	PIPE ASSY, RETURN	1							
49	2	124722-59050	CLAMP 9	2							
50	2	119802-59560	PIPE, FUEL RETURN	1							
51	1	129486-59551	PIPE, FUEL RETURN	2							
52	2	124722-59050	CLAMP 9	4							
53	2	129486-59510	PIPE, FUEL RETURN	2							
54	1	119593-59581	CAP	1							

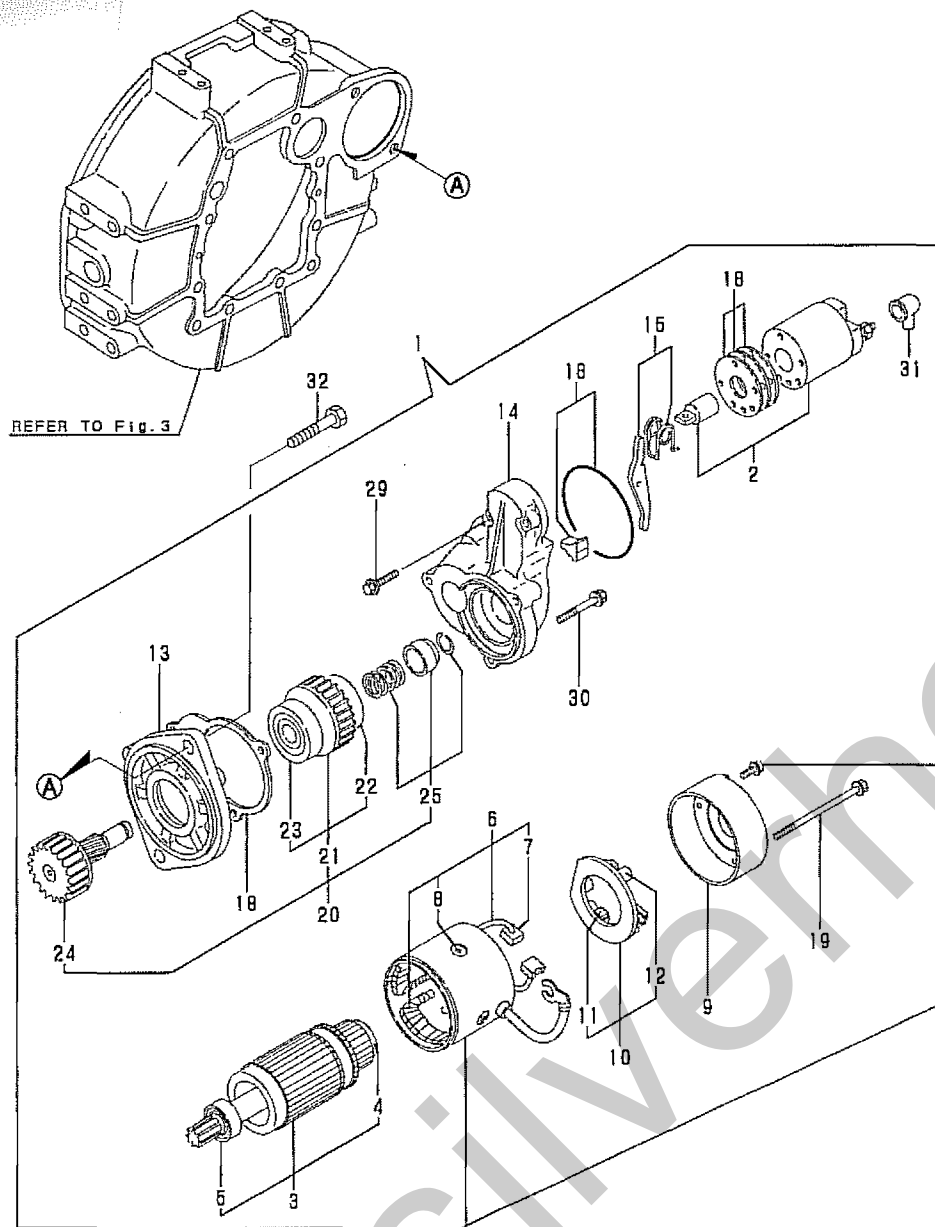
Fig.14. FUEL LINE



Y00B7310 14. FUEL LINE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55611	BRACKET, FILTER	1							
2	1	119802-55800	FILTER, FUEL	1							
3	1	26106-080302	BOLT M 8X 30 PLATED	2							
4	1	129210-59100	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLAMP 12	2							
6	2	105025-59580	PIPE, FUEL OIL	1							
7	1	129210-59230	PIPE ASSY, FUEL OIL	1							
8	2	124766-59050	CLAMP 12	2							
9	2	129555-59511	PIPE, FUEL	1							

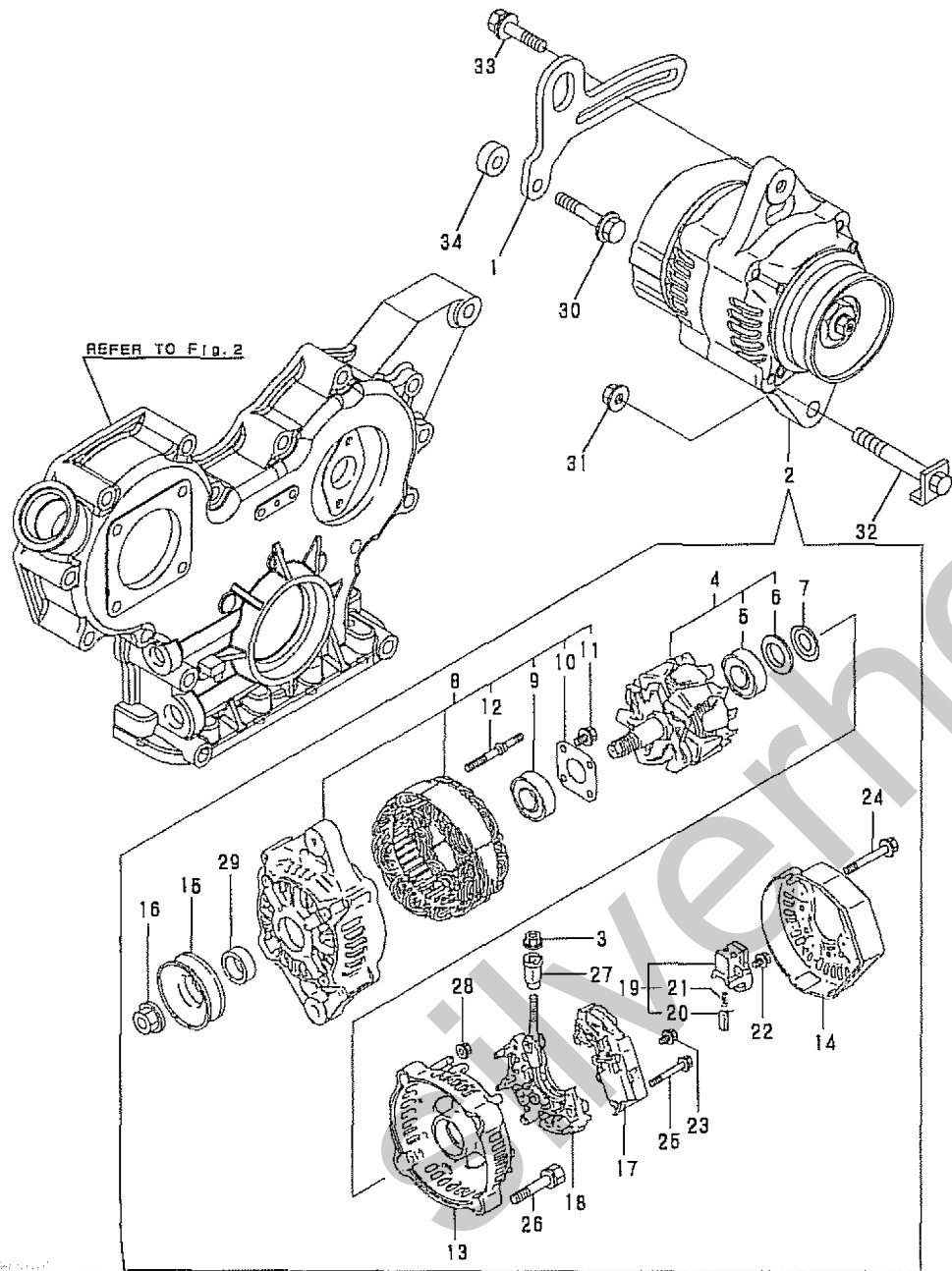
Fig.15. STARTING MOTOR



(A)=3TNVB2A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129136-77011	STARTER	1							
2	2	129136-77310	SHAFT, PINION	1							
3	2	129900-77400	ARMATURE ASSY	1							
4	3	X2130350900	BALL BEARING	1							
5	3	X2114255110	BALL BEARING	1							
6	2	129900-77440	COIL ASSY, FIELD	1							
7	3	129900-77450	BRUSH (+)	2							
8	3	171008-77450	SCREW, POLE CORE SET	4							
9	2	129900-77460	COVER, REAR	1							
10	2	129900-77480	HOLDER ASSY, BRASH	1							
11	3	129900-77450	BRUSH (+)	2							
12	3	129400-77490	SPRING, BRUSH	4							
13	2	171008-77510	HOUSING ASSY, GEAR	1							
14	2	129136-77520	CENTER HOUSING	1							
15	2	171008-77540	LEVER SET, SHIFT	1							
18	2	129400-77571	DUST COVER,(NON-ASB.	1							
19	2	129900-77640	BOLT, THROUGH	2							
20	2	171008-77650	PINION ASSY	1							
21	3	X2114555500	CLUTCH ASSY	1							
22	4	X2114955020	BEARING	1							
23	4	X2240410100	BEARING	1							
24	3	171008-77660	SHAFT, PINION	1							
25	3	171008-77670	STOPPER SET, PINION	1							
29	2	26106-060322	BOLT M 6X 32 PLATED	2							
30	2	26106-060402	BOLT M 6X 40 PLATED	3							
31	2	171008-77750	COVER, M TERMINAL	1							
32	1	26116-120252	BOLT M12X 25 PLATED	1							

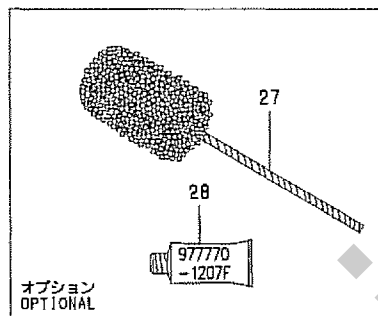
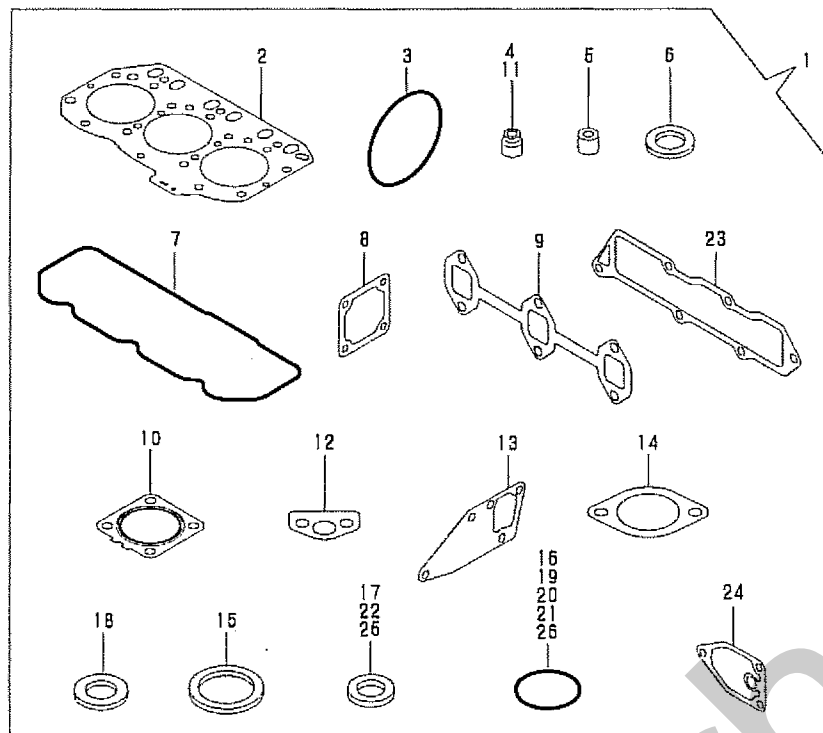
Fig.16. GENERATOR



(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119940-77320	ADJUSTER, BELT	1							
2	1	119751-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BALL BEARING	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	119620-79360	THRUST WASHER	1							
8	2	X1214001430	FLAME ASSY, DRIVE	1							
9	3	119620-79200	BALL BEARING	1							
10	3	119620-79210	PLATE	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	BOLT, STUD	2							
13	2	X1215011050	FLAME ASSY, REAR	1							
14	2	X0215512440	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	129052-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	6							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW W/WASHER	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	INSULATION BUSH	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	1	26106-080452	BOLT M 8X 45 PLATED	1							
31	1	26306-100002	NUT	1							
32	1	119740-77250	BOLT, M10X76	1							
33	1	129972-77341	BOLT, ADJUSTING	1							
34	1	119940-77270	ADJUSTER, BELT	1							

Fig.17. GASKET SET & TOOLS



Remarks
(1)OPTIONAL PART.

(A)=3TNV82A-VB1A (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-92610	GASKET SET(NON-ASB.)	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING, F.I.PUMP	1							
4	2	124950-11340	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, (NON-ASB.)	1							
9	2	119810-13110	GASKET, EXH.MANIFOLD	1							
10	2	129004-13200	GASKET, SILENCER	3							
11	2	124160-11340	SEAL, VALVE STEM	3							
12	2	129150-35041	GASKET, (NON-ASB.)	1							
13	2	129486-42050	GASKET	1							
14	2	129795-49551	GASKET, (NON-ASB.)	1							
15	2	129150-49811	GASKET, (NON-ASB.)	1							
16	2	24311-240100	O-RING 1A P-10A	1							
17	2	22190-080002	SEAL WASHER BS	2							
18	2	124465-44950	GASKET 16	2							
19	2	24311-000120	O-RING 1A P 12.0	3							
20	2	24311-000320	O-RING 1A P-32.0	2							
21	2	24341-000240	O-RING 1A S-24.0	1							
22	2	22190-100002	SEAL WASHER 10S	2							
23	2	119810-12112	GASKET, INT.MANIFOLD	1							
24	2	129150-35111	GASKET, (NON-ASB.)	1							
25	2	22190-220002	SEAL WASHER 22S	1							
26	2	119609-32040	O-RING P16	4							
27	1	129400-92420	FLEX HORN	1							1
28	1	977770-1207F	GASKET.LIQUID	1							1

MODEL : 3TNV82A-VB1A
PC NO : Y00B7310

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.	PARTS No.	Fig.	Ref.No.	PARTS No.	Fig.	Ref.No.	PARTS No.	Fig.	Ref.No.
104211-11180	4	27	119802-03110	4	43	119802-51090	11	97	119940-77320	16	1
104211-11370	4	14	119802-03121	4	44	119802-51250	11	127	119944-49300	9	36
105025-59580	14	6	119802-03130	4	45	119802-51560	11	80	120270-54410	4	34
114250-39450	9	9	119802-03141	4	46	119802-51590	11	112	121023-01551	2	28
114250-53080	13	5	119802-11100	4	24	119802-51600	11	113	121111-21501	8	12
114250-53120	13	10	119802-11110	4	25	119802-51680	11	115	121250-44901	10	22
114250-53130	13	11	119802-11241	4	4	119802-51690	11	116	121450-42450	10	24
114250-53140	13	12	119802-11251	4	5	119802-53100	13	6	121520-34810	9	2
114250-53210	13	13	119802-11260	4	6	119802-55800	14	2	121850-21680	8	11
114250-53400	13	14	119802-11270	4	7	119802-59320	10	35	121850-51960	2	21
119131-18320	6	4	119802-11280	4	8	119802-59550	13	48		17	3
119233-77932	12	91	119802-11310	4	49	119802-59560	13	50	124060-01050	1	6
119305-59120	13	26		17	7	119802-59810	13	35	124060-11800	4	19
119593-59581	13	54	119802-11350	4	40	119802-59820	13	39	124066-59100	13	47
119609-32040	2	17	119802-11650	4	10	119802-59830	13	43	124160-01751	2	14
	17	26	119802-11700	4	15	119807-61420	12	22		4	39
119620-01750	3	3	119802-11810	4	21	119808-12520	5	19	124160-01910	1	4
119620-02020	1	12	119802-11870	4	31	119808-12540	5	20			14
119620-77380	16	4		17	5	119810-01200	1	21	124160-11340	4	28
119620-77461	16	15	119802-11900	4	33	119810-01730	3	6		17	11
119620-77471	16	16	119802-12100	5	4	119810-01790	3	8	124160-11360	4	52
119620-77480	16	20	119802-12560	5	15	119810-02870	1	23	124160-39140	9	10
119620-77490	16	29	119802-13130	6	1	119810-02930	1	18	124240-01871	2	15
119620-79200	16	9	119802-13640	6	5	119810-02940	1	26	124465-44950	10	23
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