

0CD11-M16200EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV70-DTS for AICHI CORPORATION.

Pub.No. : 0CD11-G16200

Published : April, 2012

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV70-DTS	SSL	AICHI CORPORATION

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.

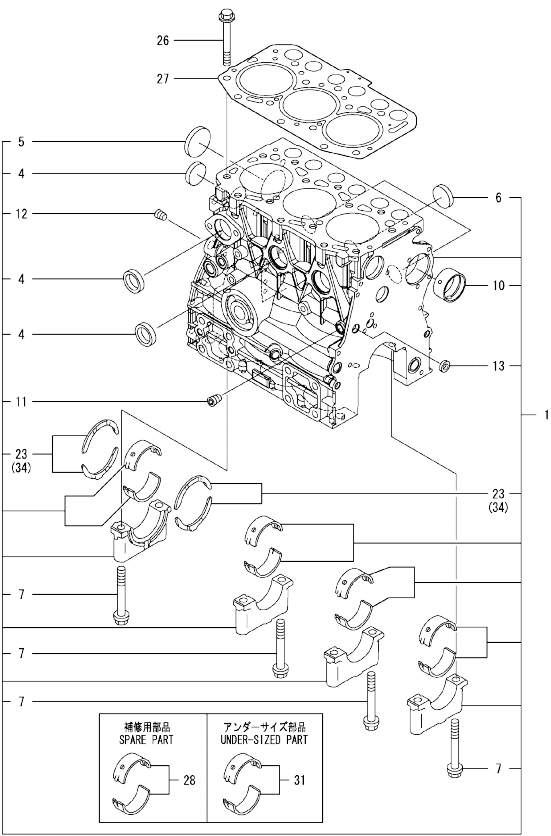
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
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7.	CRANKSHAFT & PISTON		
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10.	FUEL INJECTION PUMP		
11.	GOVERNOR		
12.	FUEL INJECTION VALVE		
13.	FUEL LINE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

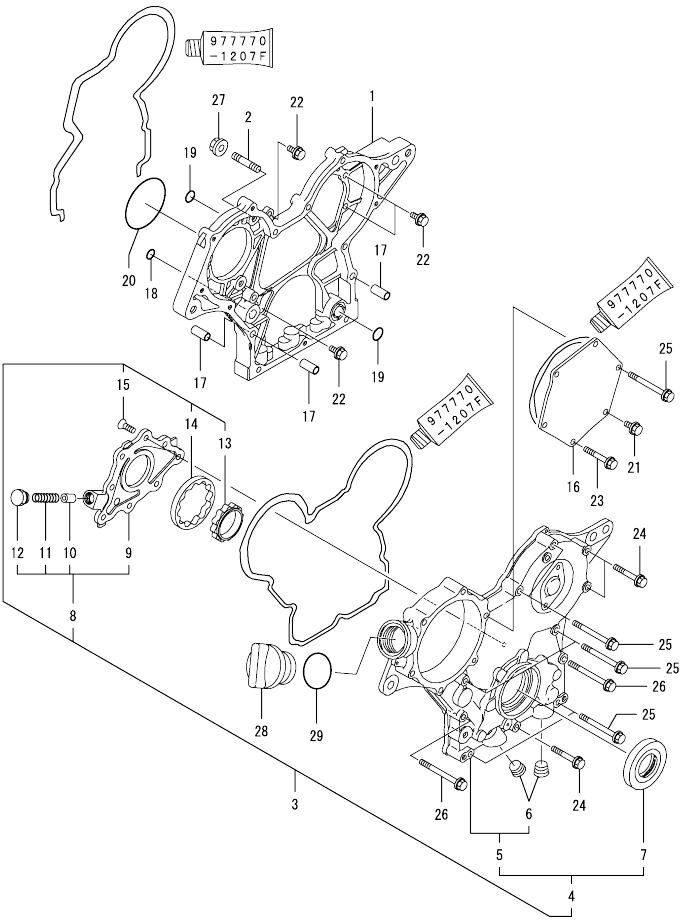
Fig.1. CYLINDER BLOCK



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719515-01560	BLOCK ASSY, CYLINDER	1							
4	2	105311-01090	PLUG, 30	4							
5	2	119623-01250	PLUG, 45	1							
6	2	119285-01990	PLUG, 25	3							
7	2	119620-02020	BOLT, METAL CAP	8							
10	2	119717-02411	BUSH, CAMSHAFT	1							
11	2	124060-01050	PLUG, PT1/8	1							
12	2	124160-01910	PLUG, PT1/4	1							
13	2	27241-120000	PLUG, 12	1							
23	2	119717-02930	BEARING, THRUST	2							
26	1	119515-01200	BOLT, HEAD	14							
27	1	119515-01331	GASKET, HEAD	1							
28	1	719717-02901	BEARING, MAIN	4							1
31	1	719717-02911	BEARING, 0.25 US	4							2
34	1	119810-02941	BEARING, THRUST 0.25	2							3

Fig.2. GEAR HOUSING

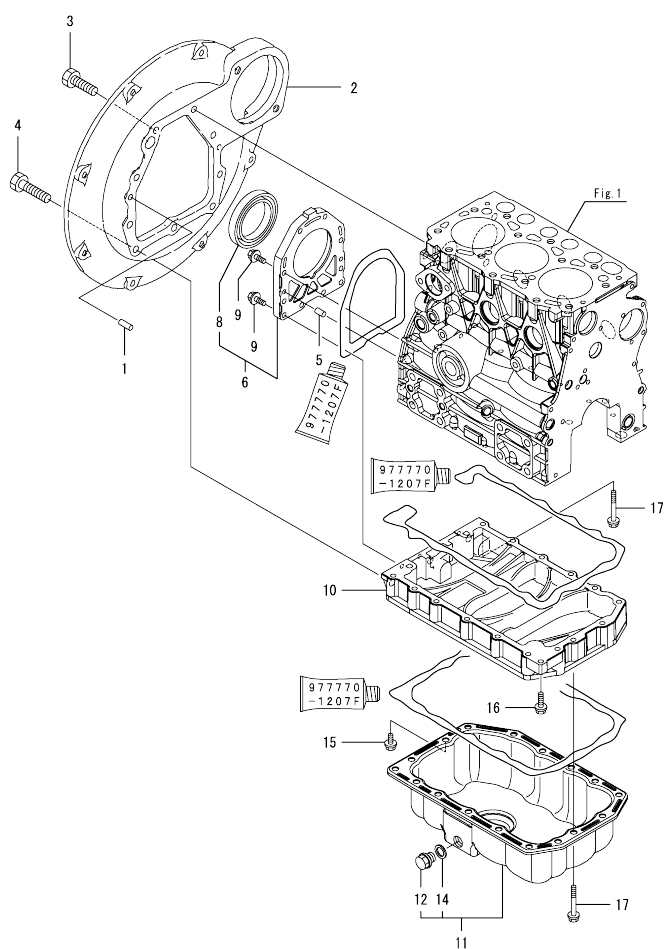


(A)=3TNV70-DTS
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1							
2	1	119717-01570	STUD	3							
3	1	119734-01590	COVER ASSY,GEAR CASE	1							
4	2	719734-01500	COVER ASSY,GEAR CASE	1							
5	3	119717-01521	COVER, GEAR CASE	1							
6	4	23876-030000	PLUG, R03	2							
7	3	119717-01800	SEAL, OIL	1							
8	2	119717-32100	COVER ASSY	1							
9	3	119717-32080	COVER	1							
10	3	129900-32130	VALVE, RELIEF	1							
11	3	129001-32320	SPRING	1							
12	3	129001-32330	PLUG	1							
13	2	119717-32110	ROTOR, INNER	1							
14	2	119717-32120	ROTOR, OUTER	1							
15	2	119802-32130	SCREW, M6X16	8							
16	1	119717-01750	COVER	1							
17	1	119660-01911	PIPE, KNOCK	4							
18	1	119624-32040	O-RING, P12.0	1							
19	1	119717-32050	O-RING, P17.0	3							
20	1	121850-51960	O-RING	1							
21	1	26106-060122	BOLT, M6X 12 PLATED	1							
22	1	26106-060162	BOLT, M6X 16 PLATED	4							
23	1	26106-060402	BOLT, M6X 40 PLATED	4							
24	1	26106-060402	BOLT, M6X 40 PLATED	3							
25	1	26106-060602	BOLT, M6X 60 PLATED	7							
26	1	26106-060652	BOLT, M6X 65 PLATED	2							
27	1	26306-080002	NUT, M8	3							
28	1	124160-01751	COVER, FILLER	1							
29	1	24311-000320	O-RING, 1AP32.0	1							

Fig.3. MOUNTING FLANGE & OIL SUMP



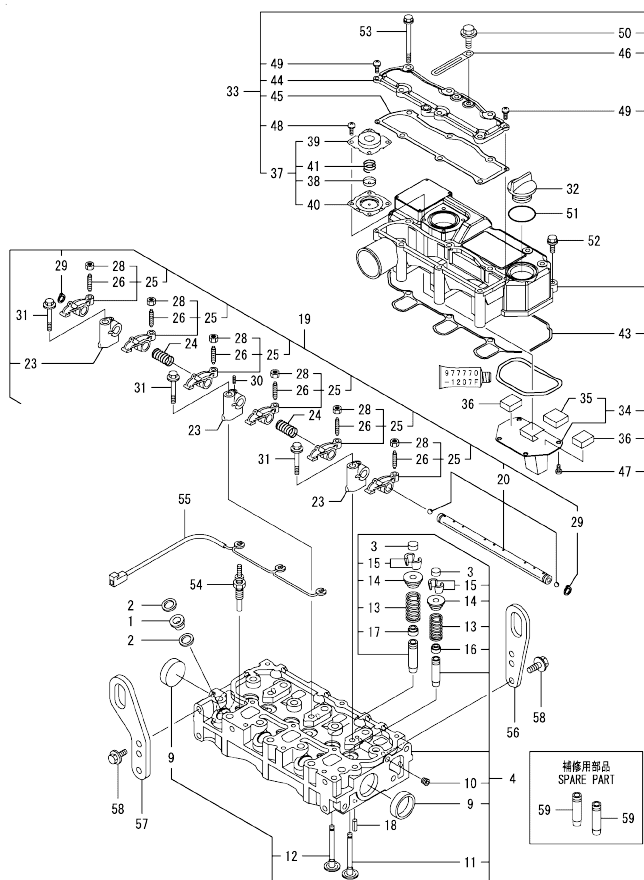
(A)=3TNV70-DTS
(B)=
(C)=

(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	119645-01600	FLANGE, MOUNTING	1							
3	1	26206-100252	BOLT, M10X 25 PLATED	6							
4	1	26206-100302	BOLT, M10X 30 PLATED	3							
5	1	119620-01620	PIN, M6X10	2							
6	1	119527-01640	CASE ASSY, OIL SEAL	1							
8	2	124085-02220	SEAL, OIL	1							
9	1	26106-060222	BOLT, M6X 22 PLATED	10							
10	1	119515-01720	SPACER, OIL SUMP	1							
11	1	119515-01770	SUMP ASSY, OIL	1							
12	2	105425-01690	PLUG, 16	1							
14	2	22190-160002	WASHER, SEAL 16	1							
15	1	26106-060122	BOLT, M6X 12 PLATED	1							
16	1	26106-060252	BOLT, M6X 25 PLATED	1							
17	1	26106-060452	BOLT, M6X 45 PLATED	17							

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) Spare parts.

0CD11-M16200 Fig.4

(v)

(v)

(v)

(v)

(v)

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129901-11450	PROTECTOR, NOZZLE	3							
2	1	119600-11460	GASKET, NOZZLE	6							
3	1	105010-11490	CAP, VALVE	6							
4	1	119515-11740	HEAD ASSY, CYLINDER	1							
9	2	119285-11990	PLUG, 35	2							
10	2	23876-005000	PLUG, R005	1							
11	2	119515-11101	VALVE, INTAKE	3							
12	2	119515-11110	VALVE, EXHAUST	3							
13	2	119717-11131	SPRING, VALVE	6							
14	2	129508-11180	RETAINER, SPRING	6							
15	2	119717-11190	COTTER	12							
16	2	119717-11340	SEAL, VALVE STEM	3							
17	2	119717-11350	SEAL, VALVE STEM	3							
18	1	22351-060012	PIN, SPRING 6.0X12	2							
19	1	119515-11200	SUPPORT ASSY, ARM	1							
20	2	119515-11240	SHAFT ASSY, ROCKER	1							
23	2	119717-11260	SUPPORT, ROCKER ARM	3							
24	2	119515-11280	SPRING	2							
25	2	119717-11650	ARM, ROCKER	6							
26	3	129150-11230	SCREW, VALVE ADJUST	6							
28	3	129150-11750	NUT, M8	6							
29	2	22242-000120	RING, 12	2							
30	2	26979-050162	SCREW, M5X16	1							
31	1	26106-080402	BOLT, M8X 40 PLATED	3							
32	1	124160-01751	COVER, FILLER	1							
33	1	119744-11380	BONNET ASSY	1							
34	2	119717-03031	PLATE	1							
35	3	119717-03070	BAFFLE, BREATHER	1							
36	2	119717-03070	BAFFLE, BREATHER	2							
37	2	119802-03100	DIAPHRAGM ASSY	1							
38	3	119802-03110	PLATE	1							
39	3	119802-03121	COVER, DIAPHRAGM	1							
40	3	119802-03131	DIAPHRAGM	1							
41	3	119802-03141	SPRING, DIAPHRAGM	1							
43	2	119515-11310	GASKET, BONNET	1							
44	2	119515-11320	COVER, BONNET	1							
45	2	119515-11330	GASKET	1							
46	2	175339-79700	CLIP	1							
47	2	22857-500100	SCREW, 5X10	4							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500160	SCREW, 5X16	2							
50	2	26106-060122	BOLT, M6X 12 PLATED	1							
51	1	24311-000320	O-RING, 1AP32.0	1							
52	1	26106-060202	BOLT, M6X 20 PLATED	3							
53	1	26106-060752	BOLT, M6X 75 PLATED	6							
54	1	119717-77801	PLUG, GLOW	3							
55	1	119717-77820	CONNECTOR, GLOW PLUG	1							
56	1	119226-07900	LIFTER	1							
57	1	129486-07901	LIFTER	1							
58	1	26106-080142	BOLT, M8X 14 PLATED	4							
59	1	119515-11800	GUIDE, VALVE	6							

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

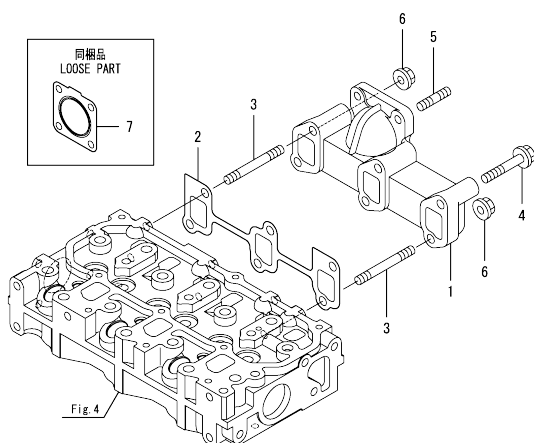
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Fig.5. EXHAUST MANIFOLD

(D)=
(E)=

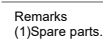
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119718-13100	MANIFOLD, EXHAUST	1							
2	1	119717-13110	GASKET	1							
3	1	119717-13600	STUD, M8X50	2							
4	1	119802-13620	BOLT, M8X50	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	119515-13200	GASKET, SILENCER	1							



N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.6. CAMSHAFT & DRIVING GEAR



(A)=3TNV70-DTS
(B)=
(C)=

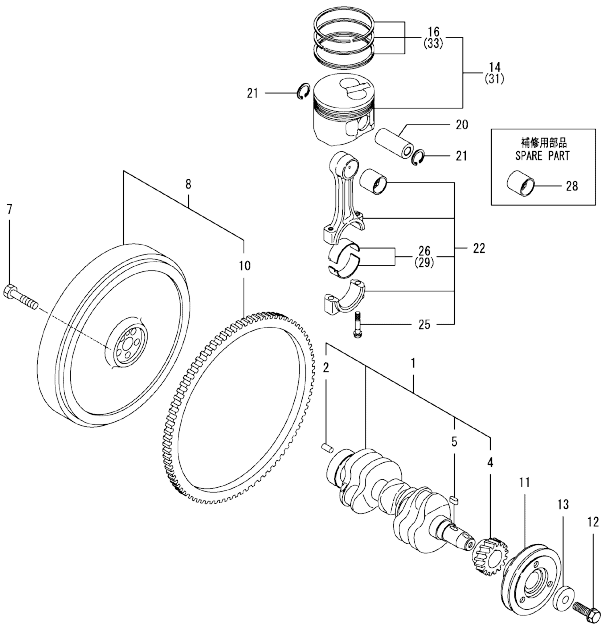
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119620-14200	TAPPET	6							
2	1	119515-14400	ROD, PUSH	6							
3	1	119515-14581	CAMSHAFT ASSY	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119717-25050	SHAFT, IDLE	1							
10	1	119717-25101	GEAR ASSY, IDLE	1							
13	1	26106-060352	BOLT, M6X 35 PLATED	3							
14	1	129150-25301	BOLT	4							
15	1	119717-25930	GEAR, PUMP	1							
16	1	119717-25911	BUSH, IDLE GEAR	1							1

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

OCD11-M16200 3TNV70-DTS

Fig.7. CRANKSHAFT & PISTON

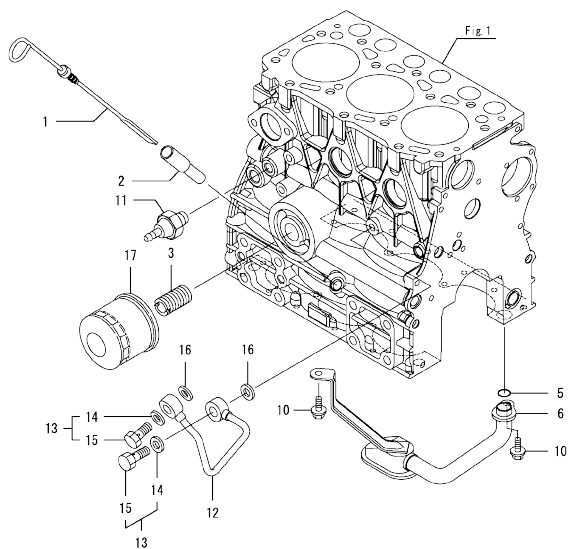


Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

OCD11-M16200 Fig.7
(A)=3TNV70-DTS
(D)=
(E)=
(F)=
Q'ty I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119515-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119717-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	121111-21501	BOLT, FLYWHEEL	5							
8	1	119644-21590	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	119717-21650	V-PULLEY	1							
12	1	119621-21681	BOLT, FLANGE 12X1.25	1							
13	1	119620-21941	WASHER	1							
14	1	119515-22080	PISTON ASSY	3							
16	2	119515-22500	RING SET, PISTON	3							
20	1	119515-22300	PIN, PISTON	3							
21	1	22252-000220	RING, 22	6							
22	1	119515-23000	ROD ASSY, CONNECTING	3							
25	2	119717-23200	BOLT, CONNECTING ROD	6							
26	2	119515-23601	BEARING, CRANK PIN	3							
28	1	119717-23910	BEARING, PISTON PIN	3							1
29	1	119515-23611	METAL ASSY, 0.25	3							2
31	1	119515-22900	PISTON ASSY, 0.25 OS	3							3
33	2	119515-22550	RING SET, 0.25 OS	3							3

Fig.8. LUB. OIL SYSTEM



Remarks
(1) Spare parts.

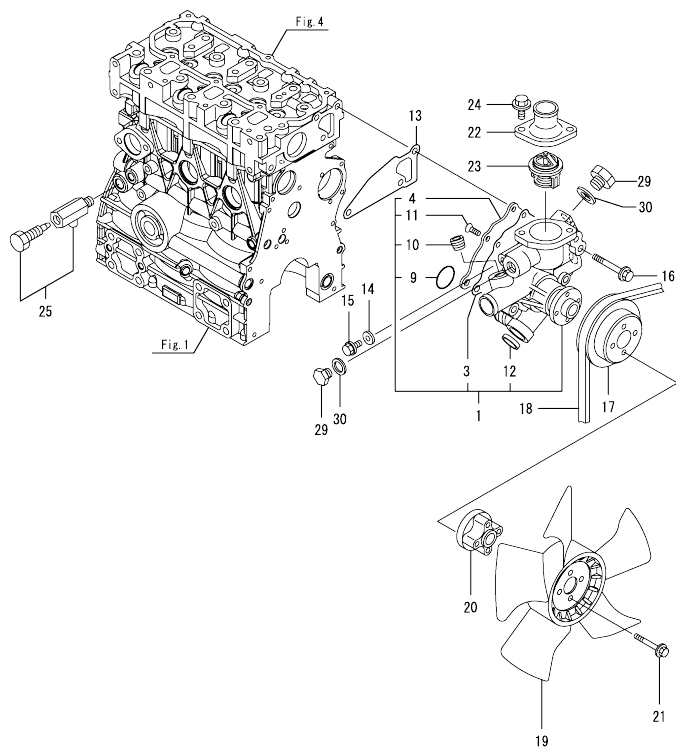
(D)=
(E)=
(F)=

(A)=3TNV70-DTS
(B)=
(C)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-34801	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	119717-35140	BOLT	1							
5	1	119717-32060	O-RING, P15.0	1							
6	1	119515-35080	PIPE ASSY, OIL INLET	1							
10	1	26106-060102	BOLT, M6X 10 PLATED	2							
11	1	114250-39450	SWITCH, 0.5KG	1							
12	1	119717-39210	PIPE, OIL	1							
13	1	129005-59830	BOLT ASSY, JOINT M8	2							
14	2	22190-080002	WASHER, SEAL 6	2							
15	2	23857-030000	BOLT, JOINT 3	2							
16	1	22190-080002	WASHER, SEAL 6	2							
17	1	119305-35151	FILTER ASSY, D68XL65	1							1

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.9. COOLING WATER SYSTEM



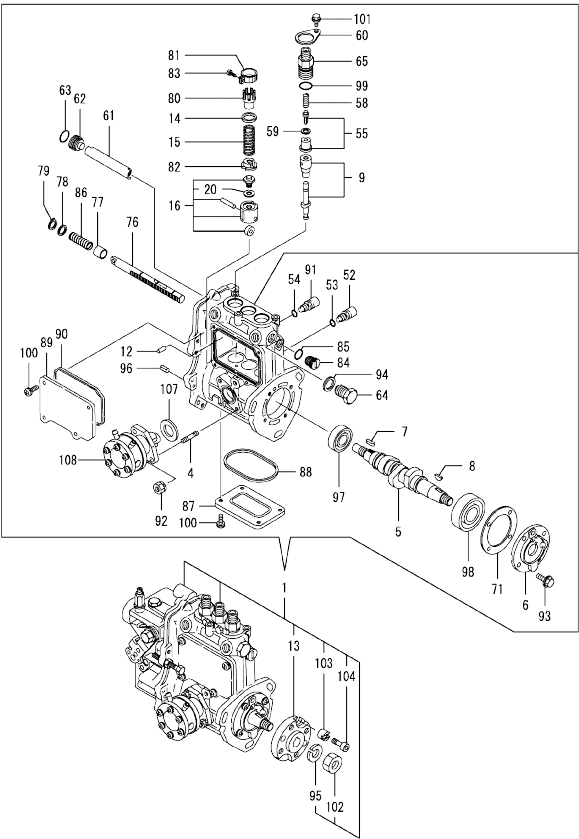
(D)=
(E)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119C10-42000	PUMP ASSY, WATER	1							
1-1	1	119C10-42001 (A=EK8696)	PUMP ASSY, CW	1						N	
3	2	119717-42031	GASKET	1							
4	2	119515-42041	COVER	1							
9	2	119C10-42320	O-RING, 2028	1							
10	2	129916-49740	PLUG, R3/8	1							
11	2	26577-060122	SCREW, M6X12	4							
12	2	27241-250000	PLUG, 25	1							
12-1	2	119717-42050 (A=EK8696)	PLUG, 25	1						N	
13	1	119515-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET, 8X1.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080502	BOLT, M8X 50 PLATED	3							
17	1	119740-42350	V-PULLEY, D=90	1							
18	1	25152-003500	V-BELT, A35	1							
19	1	119233-44740	FAN, D=290XUH	1							
20	1	129457-44760	SPACER, FAN	1							
21	1	26106-060452	BOLT, M6X 45 PLATED	4							
22	1	129350-49530	COVER, THERMOSTAT	1							
23	1	119717-49800	THERMOSTAT, 71C	1							
24	1	26106-080202	BOLT, M8X 20 PLATED	2							
25	1	119620-49290	COCK ASSY, 1/4	1							
29	1	121450-42450	PLUG, M16	2							
30	1	124465-44950	GASKET, 16	2							

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

OCD11-M16200 3TNV70-DTS

Fig.10. FUEL INJECTION PUMP



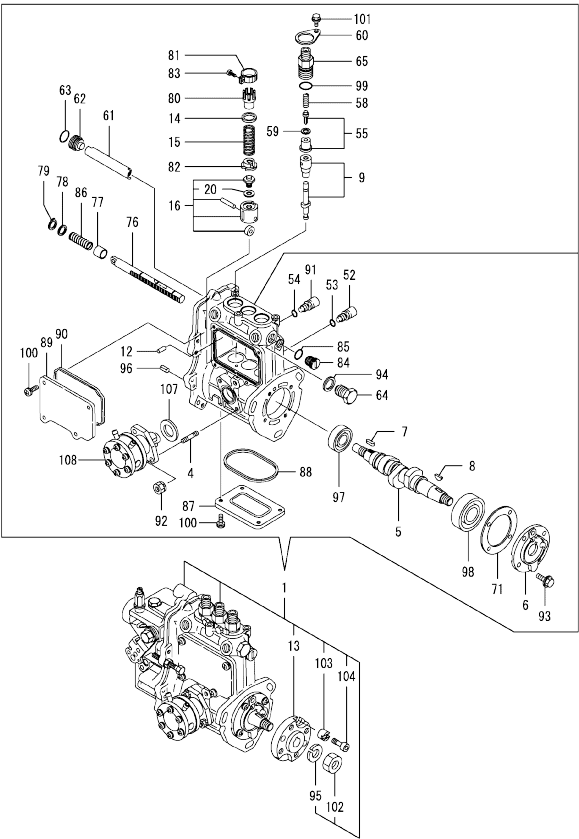
Remarks
(1)Governor(Fig.11)is incorporated in this Fuel Injection Pump (Ref.1).

OCD11-M16200 Fig.10

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719744-51450	FIE ASSY,3TNV70-DTS	1							1
4	2	129155-51020	STUD	2							
5	2	119717-51030	CAMSHAFT	1							
6	2	119717-51060	SUPPORT, CAMSHAFT	1							
7	2	119717-51070	KEY	1							
8	2	122710-51090	KEY	1							
9	2	119415-51100	PLUNGER ASSY	3							
12	2	129155-51140	PIN	3							
13	2	119717-51150	FLANGE	1							
14	2	158600-51170	RETAINER, SPRING	3							
15	2	119717-51190	SPRING, PLUNGER	3							
16	2	119717-51200	TAPPET ASSY	3							
20	3	129155-51600	SHIM SET, ADJUSTING	3							
52	2	158600-51270	STOPPER, TAPPET	3							
53	2	129155-51280	O-RING, S6	3							
54	2	129155-51280	O-RING, S6	1							
55	2	119717-51300	VALVE ASSY, DELIVERY	3							
58	2	119717-51330	SPRING, DELIVERY	3							
59	2	124550-51350	GASKET, DELIVERY	3							
60	2	119125-51370	RETAINER	3							
61	2	129155-51400	DEFLECTOR	1							
62	2	158600-51410	PLUG, DEFLECTOR	1							
63	2	119717-51420	O-RING	1							
64	2	158600-51420	PLUG, DEFLECTOR	1							
65	2	158600-51442	VALVE ASSY, DELIVERY	3							
71	2	129155-51450	SHIM SET, ADJUSTING	1							
76	2	119717-51500	RACK, CONTROL	1							
77	2	119025-51520	BUSH,RACK	1							
78	2	129155-51530	SPACER	1							
79	2	129155-51540	CIRCLIP	1							
80	2	129155-51550	PINION, CONTROL	3							
81	2	129100-51560	PINION	3							
82	2	119717-51570	RETAINER, SPRING	3							
83	2	129100-51570	SCREW	3							
84	2	158600-51570	PLUG	1							
85	2	129155-51580	O-RING	1							
86	2	129155-51591	SPRING, RACK	1							
87	2	129155-51701	COVER	1							
88	2	119717-51711	GASKET	1							
89	2	119717-51750	COVER	1							
90	2	119717-51761	GASKET	1							
91	2	158600-51790	STOOPER, RACK	1							
92	2	119717-51860	NUT, M6	2							
93	2	119125-51900	BOLT, 6 X 14	4							
94	2	22190-160002	WASHER, SEAL 16	1							
95	2	22217-120000	WASHER, SPRING 12	1							
96	2	22351-050010	PIN, SPRING 5.0X10	2							
97	2	24101-060034	BEARING, BALL 6003	1							
98	2	24101-063034	BEARING, BALL 6303	1							
99	2	24316-000150	O-RING, 4DP15.0	3							
100	2	26022-050122	SCREW, M5X12	8							

N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.10. FUEL INJECTION PUMP

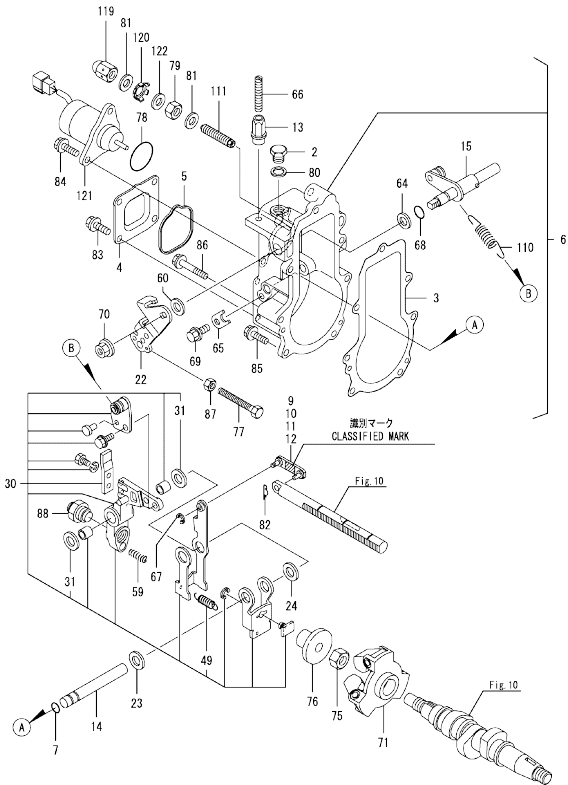


Remarks
(1)Governor(Fig.11)is incorporated in this Fuel Injection Pump (Ref.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
101	2	26106-050102	BOLT, M5X 10 PLATED	3							
102	2	26716-120002	NUT, M12	1							
103	2	119717-51480	COLLAR	1							
104	2	119717-51490	BOLT	1							
107	2	129155-52051	GASKET	1							
108	2	129100-52101	PUMP ASSY, FUEL FEED	1							

OCD11-M16200 3TNV70-DTS

Fig.11. GOVERNOR



Remarks
*This figure(Governor)is incorporated
in the Fuel Injection Pump (Fig.10).
(1)Selective parts, mark: 3
(2)Selective parts, mark: 98
(3)Selective parts, mark: 88
(4)Selective parts, mark: 03

OCD11-M16200 Fig.11

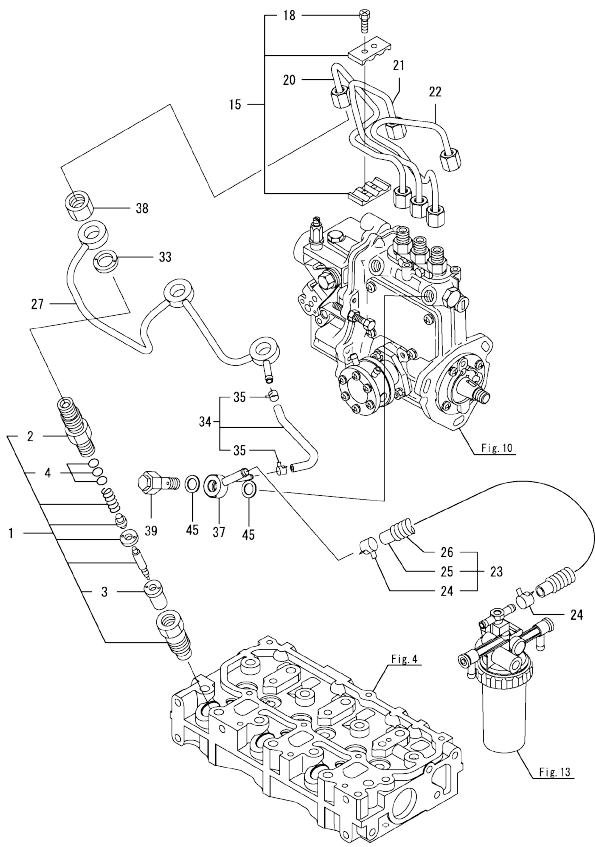
(A)=3TNV70-DTS
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-51930	PLUG,M10	1							
3	2	119717-61050	GASKET	1							
4	2	119717-61060	COVER, GOVERNOR CASE	1							
5	2	119717-61070	GASKET	1							
6	2	119717-61100	CASE ASSY, GOVERNOR	1							
7	3	129155-51280	O-RING, S6	1							
9	3	119717-61120	LINK, MARK :3	1							1
10	3	119717-61130	LINK, MARK 98	1							2
11	3	119717-61140	LINK, MARK 88	1							3
12	3	119717-61150	LINK, MARK 03	1							4
13	3	129209-61370	NUT, M6	1							
14	3	129052-61390	SHAFT	1							
15	3	119717-61400	SHAFT ASSY	1							
22	3	119515-61440	LEVER, CONTROL	1							
23	3	129156-61460	SHIM, T=0.6	1							
24	3	129155-61480	SPACER ASSY	1							
30	3	119717-61500	LEVER ASSY, GOVERNOR	1							
31	4	174307-51700	SHIM SET	2							
49	4	129486-61540	SPRING, SET	1							
59	3	129100-61650	SPRING, CONTROLLER	1							
60	3	158552-61700	SHIM SET	1							
64	3	158552-61710	SHIM, T=1.0	1							
65	3	119660-61901	RETAINER, SHAFT	1							
66	3	121575-66830	SCREW	1							
67	3	22272-000030	RING, E- 3	1							
68	3	24341-000070	O-RING, 1AS7.0	1							
69	3	26106-060102	BOLT, M6X 10 PLATED	1							
70	3	26366-080002	NUT, M8	1							
71	2	119717-61201	WEIGHT ASSY,GOVERNOR	1							
75	2	129008-61301	NUT	1							
76	2	129155-61341	SLEEVE	1							
77	2	129155-61460	BOLT, IDLE	1							
78	2	158552-61900	O-RING	1							
79	2	129209-61920	NUT, ARB	1							
80	2	22190-100002	WASHER, SEAL 10	1							
81	2	22190-120002	WASHER, SEAL 12	2							
82	2	22372-040000	PIN, SNAP 4	1							
83	2	26106-060102	BOLT, M6X 10 PLATED	4							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060202	BOLT, M6X 20 PLATED	4							
86	2	26106-060452	BOLT, M6X 45 PLATED	3							
87	2	26756-060002	NUT, LOCK M6	1							
88	2	119527-61560	ANGLEICH ASSY	1							
110	2	129573-61700	SPRING, GOVERNOR	1							
111	2	158601-61700	LIMITER ASSY, FUEL	1							
119	2	129209-61930	NUT, CAP	1							
120	2	129209-61970	PLATE	1							
121	2	119233-77932	SOLENOID, STOP	1							
122	2	23414-120016	GASKET, 12X1.0	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.12. FUEL INJECTION VALVE



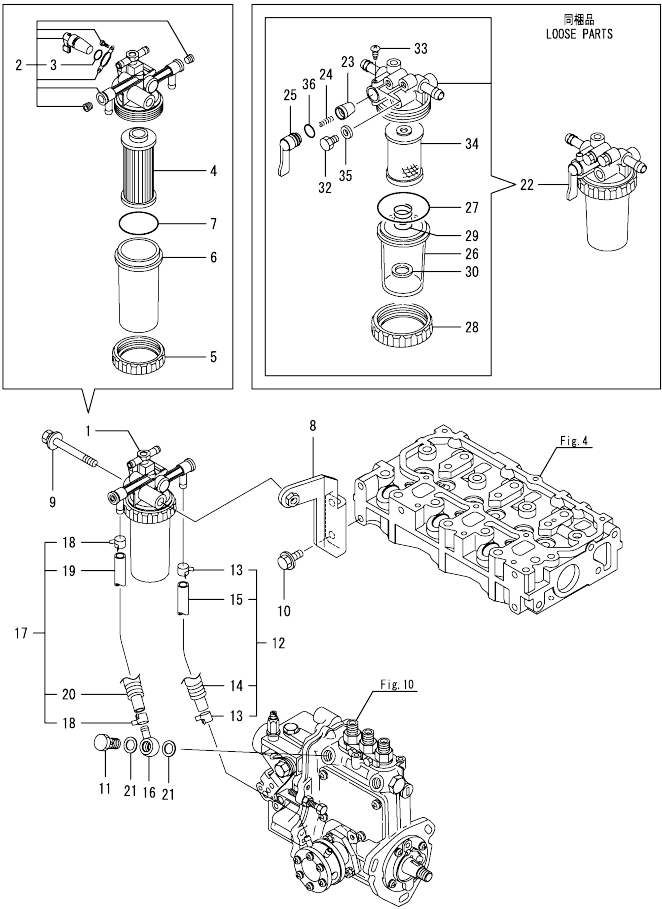
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-53001	VALVE ASSY,INJECTION	3							
2	2	118200-53010	HOLDER, NOZZLE	3							
3	2	119515-53010	VALVE ASSY,INJECTION	3							
4	2	129901-53800	SHIM SET, ADJUSTING	3							1
15	1	129150-59120	RETAINER, PIPE	1							
18	2	129150-59131	BOLT, M4X14	2							
20	1	119546-59810	PIPE ASSY, INJECTION	1							
21	1	119546-59820	PIPE ASSY, INJECTION	1							
22	1	119546-59830	PIPE ASSY, INJECTION	1							
23	1	129467-59010	PIPE ASSY, FUEL	1							
24	2	124766-59050	CLIP, HOSE 12	2							
25	2	129335-59090	PIPE, FUEL D13X500	1							
26	2	119560-59110	TUBE, CORRUGATED	1							
27	1	119515-59540	PIPE ASSY, RETURN	1							
33	1	129901-59560	GASKET	3							
34	1	119540-59570	PIPE ASSY, RETURN	1							
35	2	124066-59100	CLIP, HOSE 8	2							
37	1	119840-59570	JOINT	1							
38	1	119620-59700	NUT, NOZZLE	3							
39	1	119813-59950	VALVE ASSY, CHECK	1							
45	1	22190-120002	WASHER, SEAL 12	2							

Remarks
(1)Spare parts.

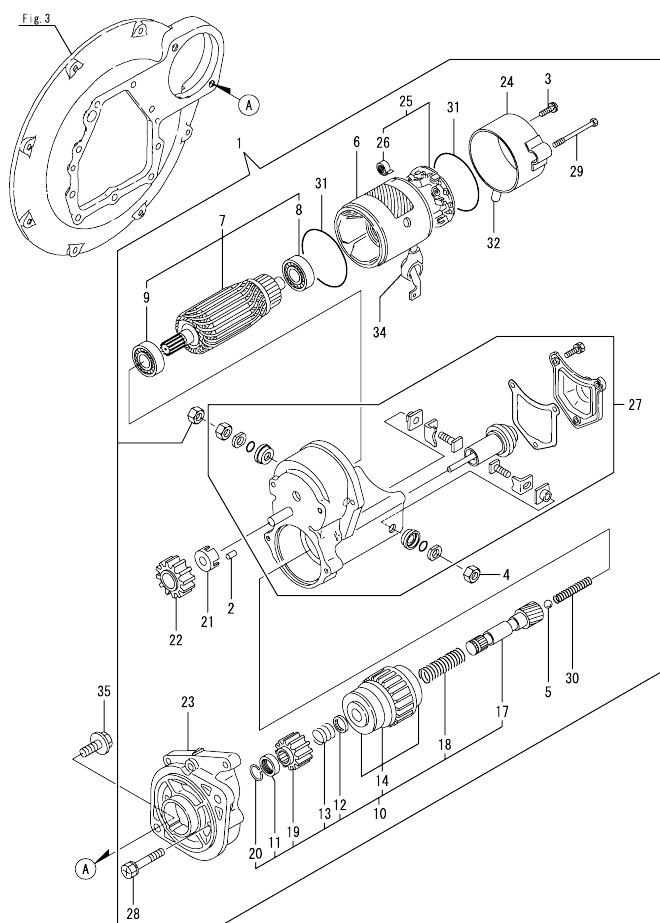
Fig.13. FUEL LINE



(A)=3TNV70-DTS
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55630	FILTER ASSY, FUEL	1							
2	2	119833-55640	BODY ASSY, FILTER	1							
3	3	24311-000110	O-RING, 1AP11.0	1							
4	2	119833-55650	ELEMENT, FUEL	1							
5	2	119833-55660	RING, RETAINING	1							
6	2	119833-55670	BOWL, STRAINER	1							
7	2	24311-000440	O-RING, 1AP44.0	1							
8	1	119744-55680	BRACKET, FO FILTER	1							
9	1	26014-080702	BOLT, M8X 70	1							
10	1	26106-080162	BOLT, M8X 16 PLATED	2							
11	1	103854-39140	BOLT, PIPE JOINT	1							
12	1	129956-59010	PIPE ASSY, FUEL	1							
13	2	124766-59050	CLIP, HOSE 12	2							
14	2	129957-59101	TUBE, CORRUGATED	1							
15	2	105225-59511	PIPE, FUEL	1							
16	1	101304-59020	JOINT, PIPE 12	1							
17	1	129961-59310	PIPE ASSY, FUEL	1							
18	2	124766-59050	CLIP, HOSE 12	2							
19	2	129136-59110	PIPE, D13/7.5X270	1							
20	2	129961-59110	TUBE, CORRUGATED	1							
21	1	22190-120002	WASHER, SEAL 12	2							
22	1	121257-55700	SEPARATOR, WATER	1							
23	2	104200-55321	VALVE, TAPER	1							
24	2	104200-55330	SPRING, VALVE	1							
25	2	104200-55341	HANDLE	1							
26	2	121254-55510	COVER	1							
27	2	102103-55520	O-RING	1							
28	2	110250-55610	RING, RETAINING	1							
29	2	121257-55720	SPRING	1							
30	2	121257-55731	FLOAT	1							
32	2	101720-55750	PLUG, 6	2							
33	2	104200-55750	SCREW, M4	1							
34	2	171081-55910	SCREEN	1							
35	2	23418-060000	GASKET, 6X1.0	2							
36	2	24311-240100	O-RING, 1AP10A	1							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119641-77011	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	119641-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	X0283715640	PINION	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	121120-77280	HOUSING	1							
24	2	129129-77290	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	26106-120252	BOLT, M12X 25 PLATED	2							

Fig.15. GENERATOR

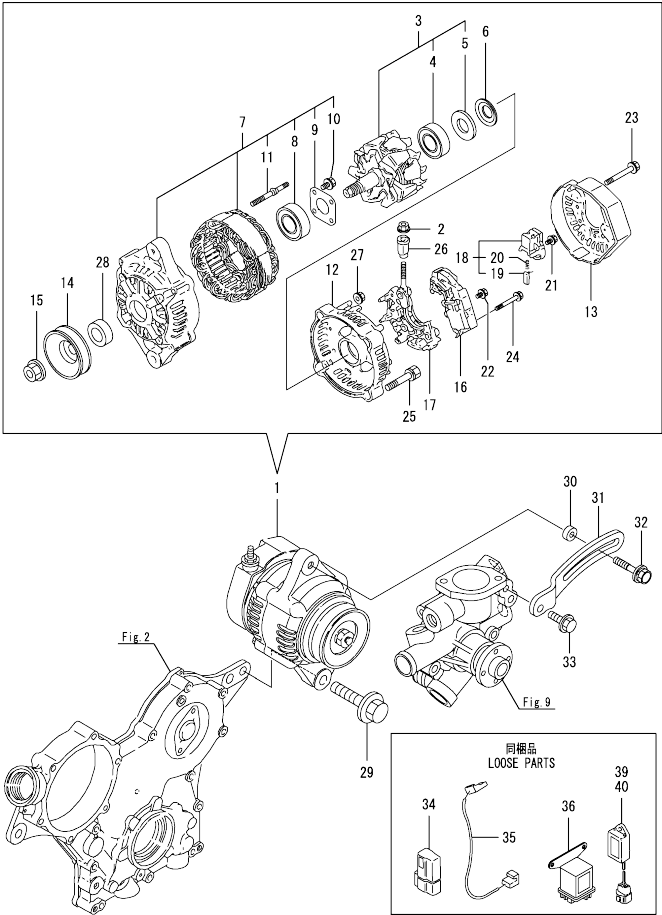
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(C)=

(D)=
(E)=
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Q'ty

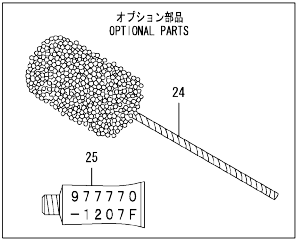
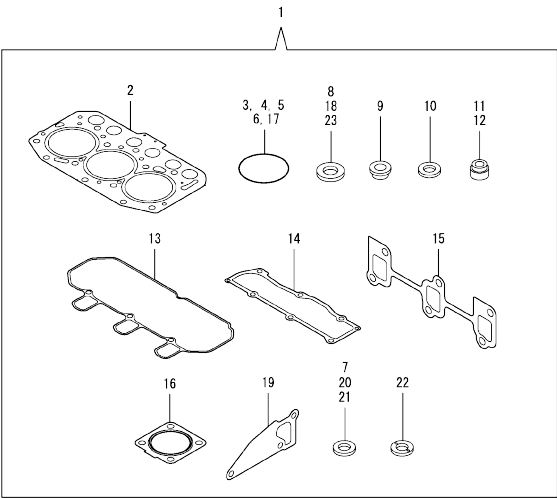
I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119620-77201	GENERATOR, 40A	1							
2	2	X9490561001	NUT	1							
3	2	119620-77380	ROTOR ASSY	1							
4	3	123501-79240	BEARING, BALL	1							
5	3	119620-79250	COVER	1							
6	2	119620-79360	WASHER, THRUST	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	119620-77450	COVER	1							
14	2	119620-77461	PULLEY	1							
15	2	119620-77471	NUT	1							
16	2	119620-77710	REGULATOR ASSY	1							
17	2	119620-79260	HOLDER	1							
18	2	119620-79270	HOLDER, BRUSH	1							
19	3	119620-77480	BRUSH ASSY	2							
20	3	119620-79280	SPRING	2							
21	2	119620-79290	SCREW	6							
22	2	119620-79300	SCREW	1							
23	2	119620-79310	BOLT	3							
24	2	119620-79320	SCREW	2							
25	2	119620-79330	BOLT	2							
26	2	119620-79340	BUSH, INSULATION	1							
27	2	119620-79350	NUT	2							
28	2	119620-77490	COLLAR	1							
29	1	26106-100452	BOLT, M10X 45 PLATED	1							
30	1	119940-77270	SPACER, GENERATOR	1							
31	1	119717-77340	ADJUSTER	1							
32	1	129972-77341	BOLT, ADJUSTER L=50	1							
33	1	26106-080202	BOLT, M8X 20 PLATED	1							
34	1	119643-66900	DIODE	1							
35	1	119006-77900	CONNECTOR, STARTER	1							
36	1	119650-77911	RELAY ASSY, GLOW	1							
39	1	129155-77925	TIMER	1							
40	1	129211-77920	TIMER	1							



OCD11-M16200 3TNV70-DTS

Fig.16. GASKET SET



Remarks
(1)Optional parts.

OCD11-M16200 Fig.16

(A)=3TNV70-DTS
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719534-92600	GASKET SET	1							1
2	2	119515-01331	GASKET, HEAD	1							
3	2	119624-32040	O-RING, P12.0	1							
4	2	119717-32050	O-RING, P17.0	3							
5	2	121850-51960	O-RING	1							
6	2	24311-000320	O-RING, 1AP32.0	2							
7	2	129150-49360	GASKET	1							
8	2	22190-160002	WASHER, SEAL 16	1							
9	2	129901-11450	PROTECTOR, NOZZLE	3							
10	2	119600-11460	GASKET, NOZZLE	6							
11	2	119717-11340	SEAL, VALVE STEM	3							
12	2	119717-11350	SEAL, VALVE STEM	3							
13	2	119515-11310	GASKET, BONNET	1							
14	2	119515-11330	GASKET	1							
15	2	119717-13110	GASKET	1							
16	2	119515-13200	GASKET, SILENCER	1							
17	2	119717-32060	O-RING, P15.0	1							
18	2	22190-080002	WASHER, SEAL 6	4							
19	2	119515-42020	GASKET, WATER PUMP	1							
20	2	23414-080000	GASKET, 8X1.0	1							
21	2	124465-44950	GASKET, 16	1							
22	2	129901-59560	GASKET	3							
23	2	22190-120002	WASHER, SEAL 12	4							
24	1	129400-92410	HONE	1							1
25	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.
101304-59020	13	16
101720-55750	13	32
102103-55520	13	27
103854-39140	13	11
104200-55321	13	23
104200-55330	13	24
104200-55341	13	25
104200-55750	13	33
105010-11490	4	3
105225-59511	13	15
105311-01090	1	4
105425-01690	3	12
110250-55610	13	28
114250-39450	8	11
118200-53010	12	2
119006-77900	15	35
119025-51520	10	77
119125-51370	10	60
119125-51900	10	93
119131-18320	5	5
119226-07900	4	56
119233-44740	9	19
119233-77932	11	121
119285-01990	1	6
119285-11990	4	9
119305-35151	8	17
119415-51100	10	9
119515-01200	1	26
119515-01331	1	27
	16	2
119515-01720	3	10
119515-01770	3	11
119515-11101	4	11
119515-11110	4	12
119515-11200	4	19
119515-11240	4	20
119515-11280	4	24
119515-11310	4	43
	16	13
119515-11320	4	44
119515-11330	4	45
	16	14
119515-11740	4	4
119515-11800	4	59
119515-13200	5	7
	16	16
119515-14400	6	2
119515-14581	6	3
119515-21700	7	1
119515-22080	7	14

Parts No.	Fig. No.	Ref. No.
119515-22300	7	20
119515-22500	7	16
119515-22550	7	33
119515-22900	7	31
119515-23000	7	22
119515-23601	7	26
119515-23611	7	29
119515-34801	8	1
119515-35080	8	6
119515-42020	9	13
	16	19
119515-42041	9	4
119515-53001	12	1
119515-53010	12	3
119515-59540	12	27
119515-61440	11	22
119527-01640	3	6
119527-61560	11	88
119540-59570	12	34
119546-59810	12	20
119546-59820	12	21
119546-59830	12	22
119560-59110	12	26
119600-11460	4	2
	16	10
119620-01620	3	5
119620-02020	1	7
119620-14200	6	1
119620-21941	7	13
119620-49290	9	25
119620-59700	12	38
119620-77201	15	1
119620-77380	15	3
119620-77421	15	7
119620-77440	15	12
119620-77450	15	13
119620-77461	15	14
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