

0CW10-M06301EN

P R E F A C E

This parts catalog is the 2nd edition of 3TNV70-SSU and 3TNV70-SSU1 for Sunward.

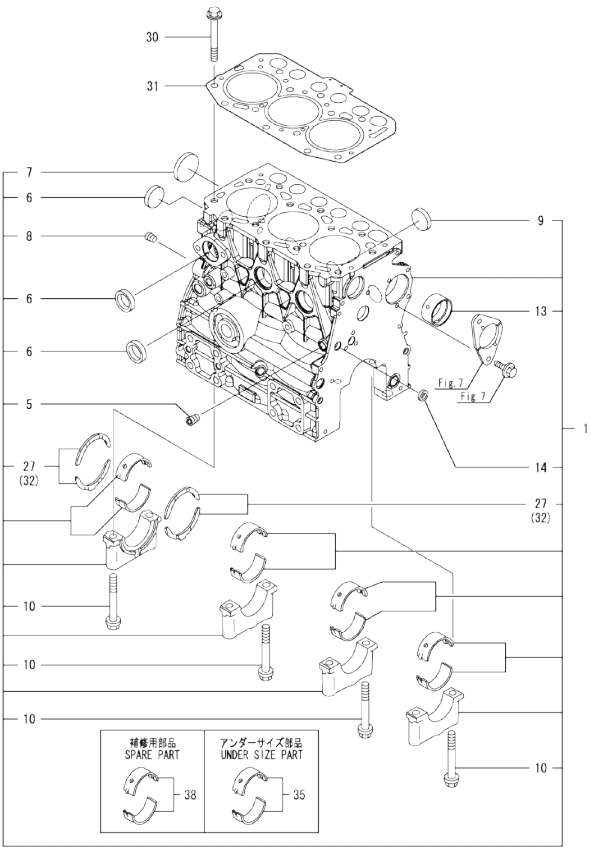
Published : May, 2014

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Fig.1. CYLINDER BLOCK

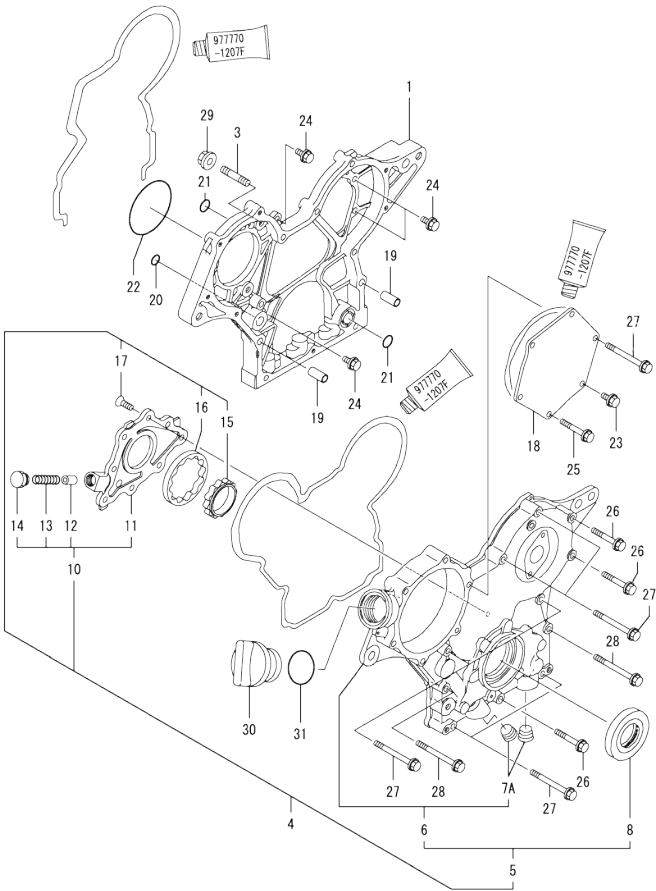


Remarks
(1)Over-sized(O.S.=0.25) parts.
(2)Spare parts.
(3)Under-sized(U.S.=0.25) parts.

0CW10-M06301 Fig.1
(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719515-01560	BLOCK ASSY, CYLINDER	1	1						
5	2	124060-01050	PLUG, PT1/8	1	1						
6	2	105311-01090	PLUG, 30	4	4						
7	2	119623-01250	PLUG, 45	1	1						
8	2	124160-01910	PLUG, PT1/4	1	1						
9	2	119285-01990	PLUG, 25	3	3						
10	2	119620-02020	BOLT, METAL CAP	8	8						
13	2	119717-02410	BUSH, CAMSHAFT	1							
13-1	2	119717-02411	BUSH, CAMSHAFT	1	1					N	
(A=E13850)											
14	2	27241-120000	PLUG, 12	1	1						
27	2	119810-02930	BEARING, THRUST	1							
27-1	2	119717-02930	BEARING, THRUST	2	2					N	
(A=E13850)											
30	1	119515-01200	BOLT, HEAD	14	14						
31	1	119515-01330	GASKET, HEAD	1							
31-1	1	119515-01331	GASKET, HEAD	1	1					N	
(A=E83352)											
32	1	119810-02940	BEARING, THRUST 0.25	2							1
32-1	1	119810-02941	BEARING, THRUST 0.25	2	2					N	1
(A=E13850)											
35	1	719717-02910	BEARING, 0.25 US	4							3
35-1	1	719717-02911	BEARING, 0.25 US	4	4					N	3
(A=E13850)											
38	1	719717-02900	BEARING, MAIN	4							2
38-1	1	719717-02901	BEARING, MAIN	4	4					N	2
(A=E13850)											

Fig.2. GEAR HOUSING



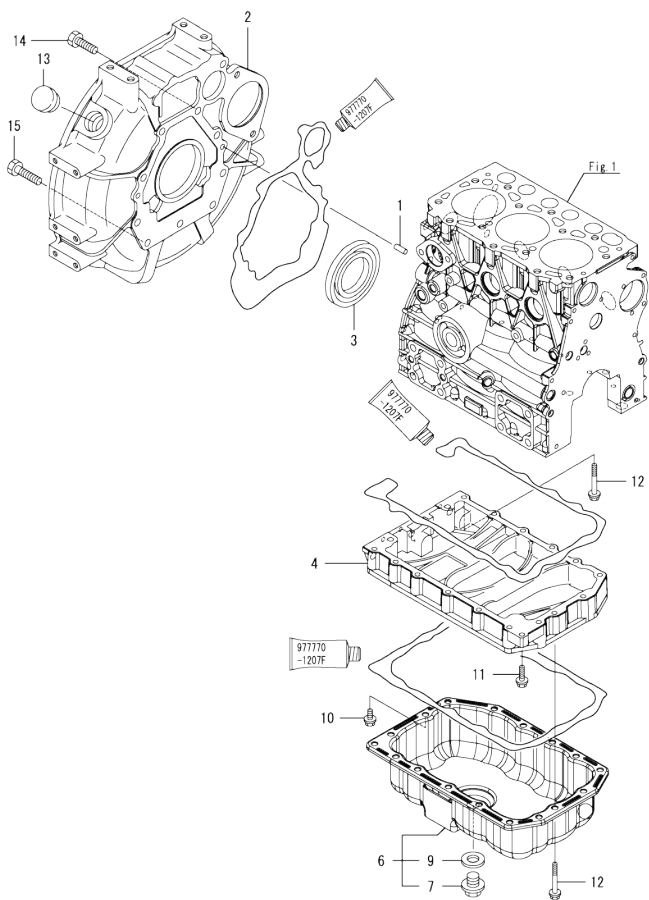
(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

(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	1						
3	1	119717-01570	STUD	3	3						
4	1	119734-01590	COVER ASSY,GEAR CASE	1	1						
5	2	719734-01500	COVER ASSY,GEAR CASE	1	1						
6	3	119717-01521	COVER, GEAR CASE	1	1						
7A	4	23876-030000	PLUG, R03	2	2						
8	3	119717-01800	SEAL, OIL	1	1						
10	2	119717-32100	COVER ASSY	1	1						
11	3	119717-32080	COVER	1	1						
12	3	129900-32130	VALVE, RELIEF	1	1						
13	3	129001-32320	SPRING	1	1						
14	3	129001-32330	PLUG	1	1						
15	2	119717-32110	ROTOR, INNER	1	1						
16	2	119717-32120	ROTOR, OUTER	1	1						
17	2	119802-32130	SCREW, M6X16	8	8						
18	1	119717-01750	COVER	1	1						
19	1	119660-01911	PIPE, KNOCK	4	4						
20	1	119624-32040	O-RING, P12.0	1	1						
21	1	119717-32050	O-RING, P17.0	3	3						
22	1	121850-51960	O-RING	1	1						
23	1	26106-060122	BOLT, M6X 12 PLATED	1	1						
24	1	26106-060162	BOLT, M6X 16 PLATED	4	4						
25	1	26106-060402	BOLT, M6X 40 PLATED	4	4						
26	1	26106-060402	BOLT, M6X 40 PLATED	3	3						
27	1	26106-060602	BOLT, M6X 60 PLATED	7	7						
28	1	26106-060652	BOLT, M6X 65 PLATED	2	2						
29	1	26306-080002	NUT, M8	3	3						
30	1	124160-01751	COVER, FILLER	1	1						
31	1	24311-000320	O-RING, 1AP32.0	1	1						

0CW10-M06301 3TNV70-SSU/3TNV70-SSU1

Fig.3. FLYWHEEL HOUSING & OIL SUMP



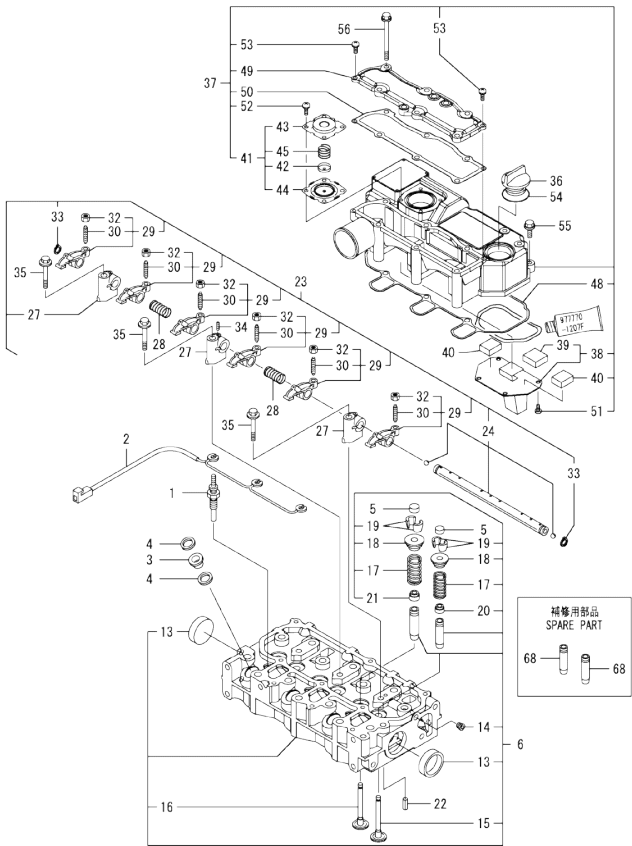
0CW10-M06301 Fig.3

(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, 8X16	2	2						
2	1	119515-01601	HOUSING, FLYWHEEL	1	1						
3	1	124085-02220	SEAL, OIL	1	1						
4	1	119515-01720	SPACER, OIL SUMP	1	1						
6	1	119540-01770	SUMP ASSY, OIL	1	1						
7	2	105425-01690	PLUG, 16	1	1						
9	2	22190-160002	WASHER, SEAL 16	1	1						
10	1	26106-060122	BOLT, M6X 12 PLATED	1	1						
11	1	26106-060252	BOLT, M6X 25 PLATED	1	1						
12	1	26106-060452	BOLT, M6X 45 PLATED	17	17						
13	1	119620-01750	CAP	1	1						
14	1	26206-100252	BOLT, M10X 25 PLATED	7	7						
15	1	121120-01620	BOLT, M10X28	3							
15-1	1	26206-100302	BOLT, M10X 30 PLATED	3	3						R
(A=E67187)											

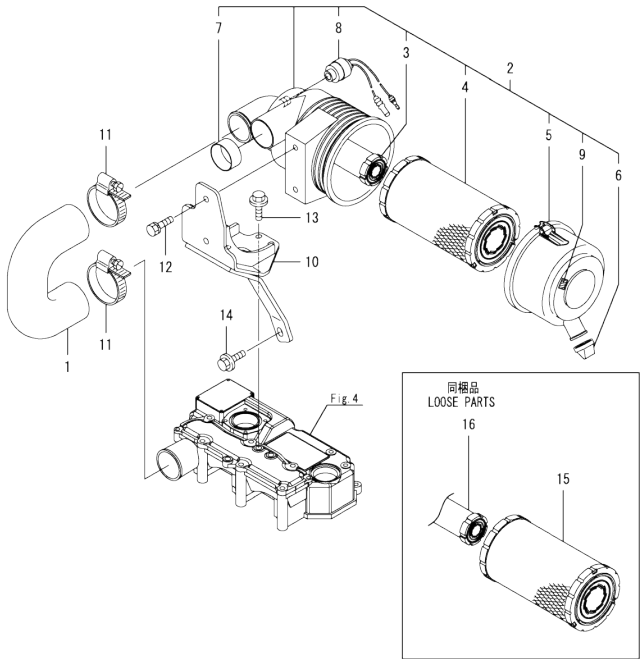
Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

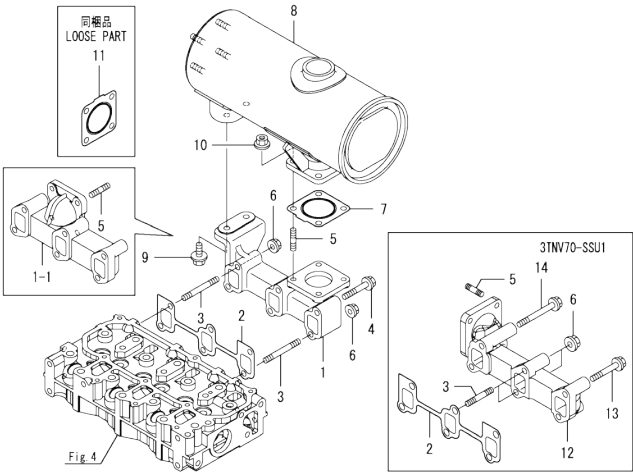
						0CW10-M06301 Fig.4							
						(A)=3TNV70-SSU (B)=3TNV70-SSU1 (C)=							
						(D)= (E)= (F)=							
No.	Lev.	Parts No.	Description			(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-77800	PLUG, GLOW			3							
1-1	1	119717-77801	PLUG, GLOW			3	3					N	
(A=E87260)													
2	1	119717-77820	CONNECTOR, GLOW PLUG			1	1						
3	1	129901-11450	PROTECTOR, NOZZLE			3	3						
4	1	119600-11460	GASKET, NOZZLE			6	6						
5	1	105010-11490	CAP, VALVE			6	6						
6	1	119515-11740	HEAD ASSY, CYLINDER			1	1						
13	2	119285-11990	PLUG, 35			2	2						
14	2	23876-005000	PLUG, R005			1	1						
15	2	119515-11100	VALVE, INTAKE			3							
15-1	2	119515-11101	VALVE, INTAKE			3	3					R	
(A=E18051)													
16	2	119515-11110	VALVE, EXHAUST			3	3						
17	2	119717-11131	SPRING, VALVE			6	6						
18	2	129508-11180	RETAINER, SPRING			6	6						
19	2	119717-11190	COTTER			12	12						
20	2	119717-11340	SEAL, VALVE STEM			3	3						
21	2	119717-11350	SEAL, VALVE STEM			3	3						
22	1	22351-060012	PIN, SPRING 6.0X12			2	2						
23	1	119515-11200	SUPPORT ASSY, ARM			1	1						
24	2	119515-11240	SHAFT ASSY, ROCKER			1	1						
27	2	119717-11260	SUPPORT, ROCKER ARM			3	3						
28	2	119515-11280	SPRING			2	2						
29	2	119717-11650	ARM, ROCKER			6	6						
30	3	129150-11230	SCREW, VALVE ADJUST			6	6						
32	3	129150-11750	NUT, M8			6	6						
33	2	22242-000120	RING, 12			2	2						
34	2	26979-050162	SCREW, M5X16			1	1						
35	1	26106-080402	BOLT, M8X 40 PLATED			3	3						
36	1	124160-01751	COVER, FILLER			1	1						
37	1	119515-11380	BONNET ASSY, HEAD			1	1						
38	2	119717-03031	PLATE			1	1						
39	3	119717-03070	BAFFLE, BREATHER			1	1						
40	2	119717-03070	BAFFLE, BREATHER			2	2						
41	2	119802-03100	DIAPHRAGM ASSY			1	1						
42	3	119802-03110	PLATE			1	1						
43	3	119802-03121	COVER, DIAPHRAGM			1	1						
44	3	119802-03131	DIAPHRAGM			1	1						
45	3	119802-03141	SPRING, DIAPHRAGM			1	1						
48	2	119515-11310	GASKET, BONNET			1	1						
49	2	119515-11320	COVER, BONNET			1	1						
50	2	119515-11330	GASKET			1	1						
51	2	22857-500100	SCREW, 5X10			4	4						
52	2	22857-500100	SCREW, 5X10			4	4						
53	2	22857-500160	SCREW, 5X16			2	2						
54	1	24311-000320	O-RING, 1AP32.0			1	1						
55	1	26106-060202	BOLT, M6X 20 PLATED			3	3						
56	1	26106-060752	BOLT, M6X 75 PLATED			6	6						
68	2	119515-11800	GUIDE, VALVE			6	6						

Fig.5. AIR CLEANER



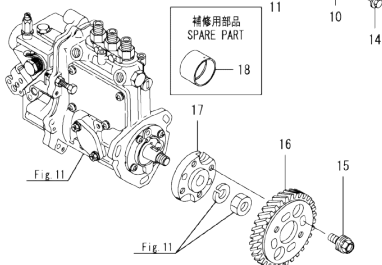
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119761-12020	PIPE, AIR INTAKE	1	1						
2	1	119540-12510	CLEANER ASSY, AIR	1							
2-1	1	119540-12520	AIR CLEANER ASSY	1	1					N	
(A=E08042)											
3	2	119233-12700	ELEMENT	1	1						
4	2	119515-12520	ELEMENT	1							
4-1	2	119655-12560	ELEMENT	1	1					N	
(A=E67187)											
5	2	119336-12570	COVER ASSY	1	1						
6	2	119808-12540	VALVE, UNLOADER	1	1						
7	2	105027-12580	RING	1	1						
8	2	119140-12680	INDICATOR	1	1						
9	2	129612-12650	LABEL, MARKING	1	1						
10	1	119515-12600	BRACKET, AIR CLEANER	1	1						
11	1	23000-054000	CLAMP, 54	2	2						
12	1	26013-080222	BOLT, M8X 22	2	2						
13	1	26106-060142	BOLT, M6X 14 PLATED	3	3						
14	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
15	1	119515-12520	ELEMENT	1	1						
16	1	119233-12700	ELEMENT	1	1						

Fig.6. EXHAUST MANIFOLD & SILENCER



0CW10-M06301 Fig.6											
				(A)=3TNV70-SSU	(D)=						
				(B)=3TNV70-SSU1	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-13109	MANIFOLD, EXHAUST	1							
1-1	1	119718-13100	MANIFOLD, EXHAUST	1							S
(A=E08042)											
2	1	119717-13110	GASKET	1	1						
3	1	119717-13600	STUD, M8X50	2	2						
4	1	119802-13620	BOLT, M8X50	4							
5	1	119131-18320	STUD, M8X22	4	4						
6	1	26306-080002	NUT, M8	2	2						
7	1	119515-13200	GASKET, SILENCER	1							Z
(A=E08042)											
8	1	119717-13550	SILENCER	1							Z
(A=E08042)											
9	1	26106-080252	BOLT, M8X 25 PLATED	2							Z
(A=E08042)											
10	1	26306-080002	NUT, M8	4							Z
(A=E08042)											
11	1	119515-13200	GASKET, SILENCER	1	2						
12	1	119740-13100	MANIFOLD, EXHAUST		1						
13	1	119802-13620	BOLT, M8X50		2						
14	1	123900-13620	BOLT, M8X70		2						

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) Spare parts.

(D)=
(E)=

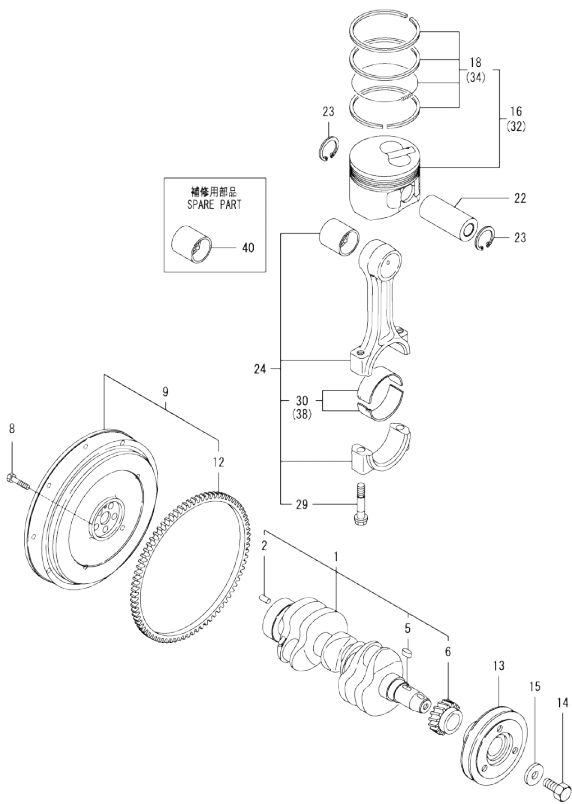
(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

Q'ty	I	R
------	---	---

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119620-14200	TAPPE	6	6						
2	1	119515-14400	ROD, PUSH	6	6						
3	1	119515-14580	CAMSHAFT ASSY	1							
3-1	1	119515-14581 (A=E12001)	CAMSHAFT ASSY	1	1						R
9	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
10	1	119717-25050	SHAFT, IDLE		1	1					
11	1	119717-25100	GEAR ASSY, IDLE	1							
11-1	1	119717-25101	GEAR ASSY, IDLE	1	1						R
14	1	26106-060352 (A=E14487)	BOLT, M6X 35 PLATED	3	3						
15	1	129150-25301	BOLT	4	4						
16	1	119717-25930	GEAR, PUMP	1	1						
17	1	119717-51150	FLANGE	1	1						
18	1	119717-25910	BUSH, IDLE GEAR	1							1
18-1	1	119717-25911 (A=E14487)	BUSH, IDLE GEAR	1	1					N	1

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

Fig.8. CRANKSHAFT & PISTON



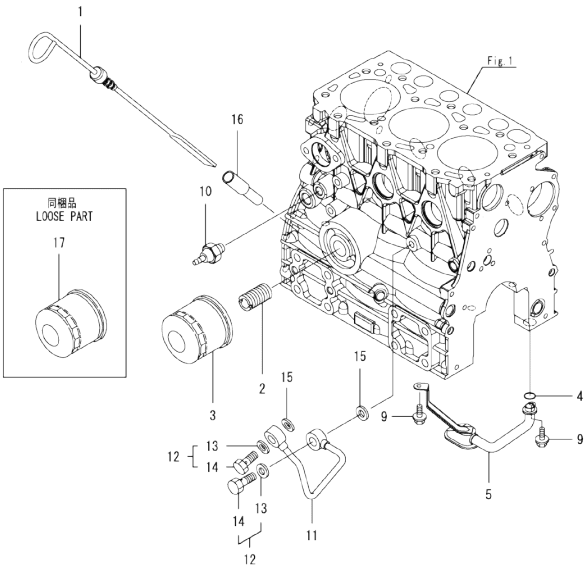
Remarks
(1)Over-sized(O.S.=0.25) parts.
(2)Spare parts.
(3)Under-sized(U.S.=0.25) parts.

(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

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

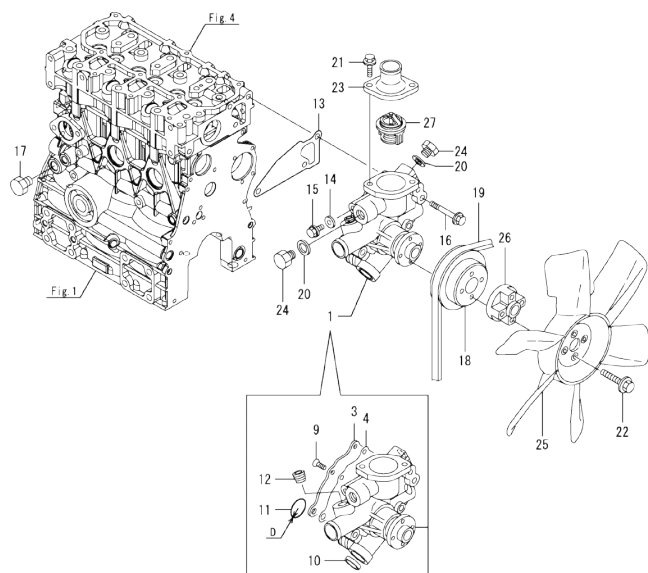
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-21700	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, 8X16	1	1						
5	2	22512-040120	KEY, 4X 12	1	1						
6	2	119717-21200	GEAR, CRANKSHAFT	1	1						
8	1	119620-21500	BOLT, FLYWHEEL	5	5						
9	1	119515-21580	FLYWHEEL ASSY	1	1						
12	2	124950-21600	GEAR, RING	1	1						
13	1	119717-21650	V-PULLEY	1	1						
14	1	119621-21680	BOLT, FLANGE 12X1.25	1							
14-1	1	119621-21681	BOLT, FLANGE 12X1.25	1	1						R
(A=E67187)											
15	1	119620-21941	WASHER	1	1						
16	1	119515-22080	PISTON ASSY	3	3						
18	2	119515-22500	RING SET, PISTON	3	3						
22	1	119515-22300	PIN, PISTON	3	3						
23	1	22252-000220	RING, 22	6	6						
24	1	119515-23000	ROD ASSY, CONNECTING	3	3						
29	2	119717-23200	BOLT, CONNECTING ROD	6	6						
30	2	119515-23600	BEARING, CRANK PIN	3							
30-1	2	119515-23601	BEARING, CRANK PIN	3	3						R
(A=E24480)											
32	1	119515-22900	PISTON ASSY, 0.25 OS	3	3						1
34	2	119515-22550	RING SET, 0.25 OS	3	3						1
38	1	119515-23610	METAL ASSY, 0.25	3							3
38-1	1	119515-23611	METAL ASSY, 0.25	3	3						R 3
(A=E24480)											
40	1	119717-23910	BEARING, PISTON PIN	3	3						2

Fig.9. LUB. OIL SYSTEM



Remarks
(1)Spare parts.

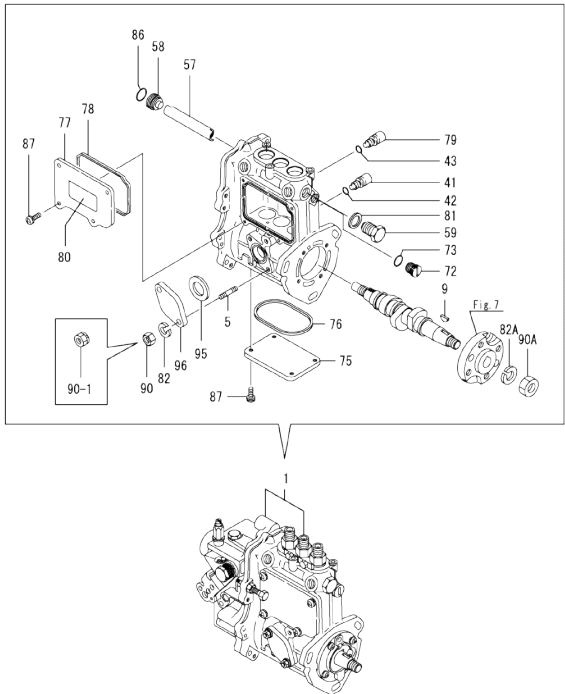
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-34801	DIPSTICK, OIL	1	1						
2	1	129100-35140	STUD	1							
2-1	1	119717-35140	BOLT	1	1					N	
3	1	119305-35151	FILTER ASSY, D68XL65	1	1						1
4	1	119717-32060	O-RING, P15.0	1	1						
5	1	119515-35080	PIPE ASSY, OIL INLET	1	1						
9	1	26106-060102	BOLT, M6X 10 PLATED	2	2						
10	1	114250-39450	SWITCH, 0.5KG	1	1						
11	1	119717-39210	PIPE, OIL	1	1						
12	1	129005-59830	BOLT ASSY, JOINT M8	2	2						
13	2	22190-080002	WASHER, SEAL 8	2	2						
14	2	23857-030000	BOLT, JOINT 3	2	2						
15	1	22190-080002	WASHER, SEAL 8	2	2						
16	1	121520-34810	GUIDE, DIPSTICK	1	1						
17	1	119305-35151	FILTER ASSY, D68XL65	1	1						



(1) D=No. 11 : 3.5mm, 11-1 : 2.4mm.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119540-42000	PUMP ASSY, WATER	1							
1-1	1	119C10-42000	PUMP ASSY, WATER	1	1						N
		(A=E87260)									
1-2	1	119C10-42001	PUMP ASSY, CW	1	1						N
		(A="2019.01) (B="2019.01)									
3	2	119515-42041	COVER	1	1						
4	2	119717-42031	GASKET	1	1						
9	2	26577-060122	SCREW, M6X12	4	4						
10	2	27241-250000	PLUG, 25	1	1						
10-1	2	119717-42050	PLUG, 25	1	1						N
		(A="2019.01) (B="2019.01)									
11	2	119717-42320	O-RING, P26	1							
11-1	2	119C10-42320	O-RING, 2028	1	1						S
		(A=E87260)									
12	2	129916-49740	PLUG, R3/8	1	1						
13	1	119515-42020	GASKET, WATER PUMP	1	1						
14	1	23414-080000	GASKET, 8X1.0	1	1						
15	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
16	1	26106-080502	BOLT, M8X 50 PLATED	3	3						
17	1	171056-49120	PLUG, DRAIN R1/4	1	1						
18	1	119740-42350	V-PULLEY, D=90	1	1						
19	1	121522-42290	V-BELT, A34.5	1							
19-1	1	25132-003500	V-BELT, A35	1							N
		(A=E04739)									
19-2	1	25152-003500	V-BELT, A35	1	1						N
		(A=E67187)									
20	1	124465-44950	GASKET, 16	2	2						
21	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
22	1	26106-060352	BOLT, M6X 35 PLATED	4	4						
23	1	129350-49530	COVER, THERMOSTAT	1	1						
24	1	121450-42450	PLUG, M16	2	2						
25	1	119653-44740	FAN, COOLING D=320	1	1						
26	1	121267-44760	SPACER, FAN	1	1						
27	1	119717-49800	THERMOSTAT, 71C	1	1						

Fig.11. FUEL INJECTION PUMP



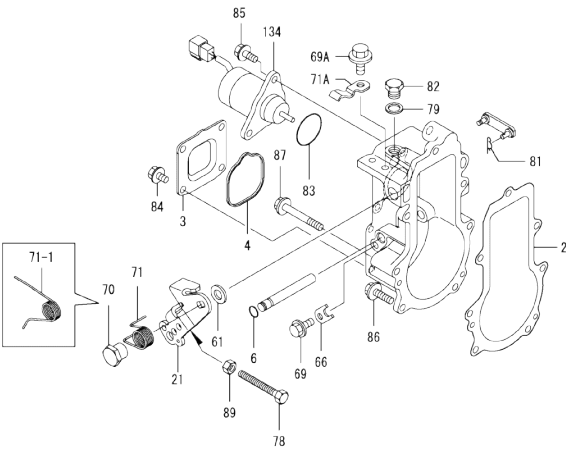
(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719540-51340	PUMP ASSY, INJECTION	1							1
1-1	1	719540-51470	FIE ASSY(3TNV70-SSU	1	1					N	1
(A=E47293)											
5	2	129155-51020	STUD		2	2					
9	2	122710-51090	KEY		1	1					
41	2	158600-51270	STOPPER, TAPPET		3	3					
42	2	129155-51280	O-RING, S6		3	3					
43	2	129155-51280	O-RING, S6		1	1					
57	2	129155-51400	DEFLECTOR		1	1					
58	2	158600-51410	PLUG, DEFLECTOR		1	1					
59	2	158600-51420	PLUG, DEFLECTOR		1	1					
72	2	158600-51570	PLUG		1	1					
73	2	129155-51580	O-RING		1	1					
75	2	129155-51701	COVER		1	1					
76	2	119717-51710	GASKET		1						
76-1	2	119717-51711	GASKET		1	1				N	
(A=E12001)											
77	2	119717-51750	COVER		1	1					
78	2	119717-51760	GASKET		1						
78-1	2	119717-51761	GASKET		1	1				N	
(A=E12001)											
79	2	158600-51790	STOOPER, RACK		1	1					
80	2	129156-51910	LABEL, CAUTION		1					Z	
(A=E12001)											
81	2	22190-160002	WASHER, SEAL 16		1	1					
82	2	22217-060000	WASHER, SPRING 6		2					Z	
(A=E67187)											
82A	2	22217-120000	WASHER, SPRING 12		1	1					
86	2	119717-51420	O-RING		1	1					
87	2	26022-050122	SCREW, M5X12		8	8					
90	2	26716-060002	NUT, M6		2						
90-1	2	119717-51860	NUT, M6		2	2				N	
(A=E67187)											
90A	2	26716-120002	NUT, M12		1	1					
95	2	129155-52051	GASKET		1	1					
96	2	129100-52200	COVER		1	1					

Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

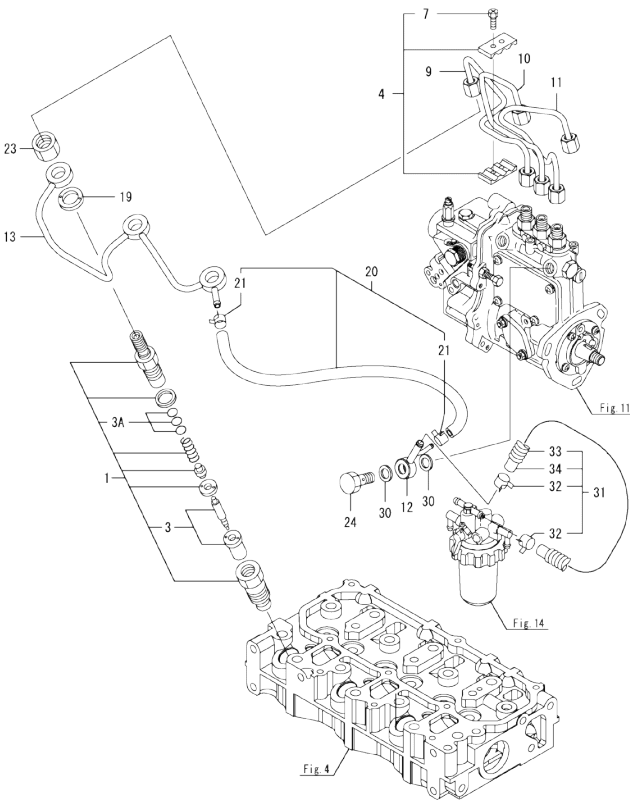
Fig.12. GOVERNOR



Remarks
* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1	1						
3	2	119717-61060	COVER, GOVERNOR CASE	1	1						
4	2	119717-61070	GASKET	1	1						
6	2	129155-51280	O-RING, S6	1	1						
21	2	119515-61440	LEVER, CONTROL	1	1						
61	2	158552-61700	SHIM SET	1	1						
66	2	119660-61901	RETAINER, SHAFT	1	1						
69	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
69A	2	26106-060102	BOLT, M6X 10 PLATED	1	1						W
(A=E08042)											
70	2	129255-61410	NUT, LOCK	1	1						
71	2	129255-61420	SPRING, RETURN	1							
71-1	2	119534-61420	SPRING	1	1						S
(A=E08042)											
71A	2	119534-61430	RETAINER	1	1						W
(A=E08042)											
78	2	129155-61460	BOLT, IDLE	1	1						
79	2	22190-100002	WASHER, SEAL 10	1	1						
81	2	22372-040000	PIN, SNAP 4	1	1						
82	2	23887-100002	PLUG, 10	1							
82-1	2	119717-51930	PLUG,M10	1	1						R
(A=E72435)											
83	2	24341-000280	O-RING, 1AS28.0	1							
83-1	2	158552-61900	O-RING	1	1						N
(A=E12001)											
84	2	26106-060102	BOLT, M6X 10 PLATED	4	4						
85	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
86	2	26106-060202	BOLT, M6X 20 PLATED	4	4						
87	2	26106-060452	BOLT, M6X 45 PLATED	3	3						
89	2	26756-060002	NUT, LOCK M6	1	1						
134	2	119653-77950	SOLENOID, STOP	1							
134-1	2	119233-77932	SOLENOID, STOP	1	1						N
(A=E47293)											

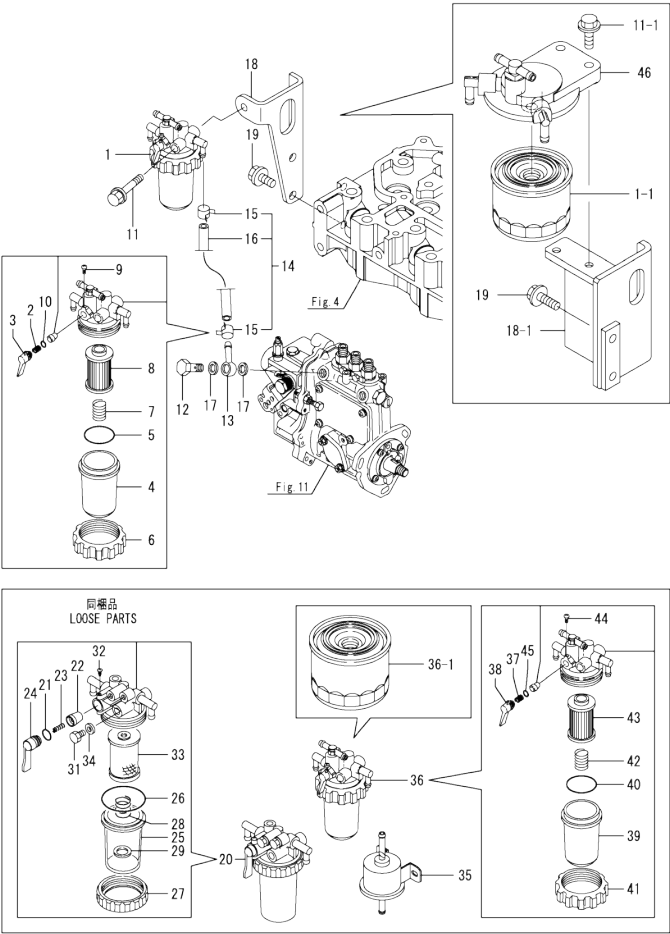
0CW10-M06301 3TNV70-SSU/3TNV70-SSU1
Fig.13. FUEL INJECTION VALVE



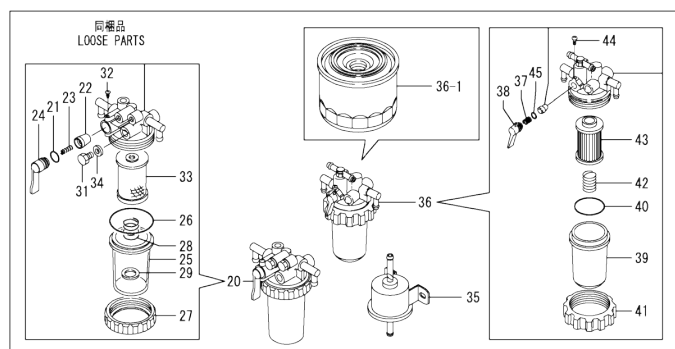
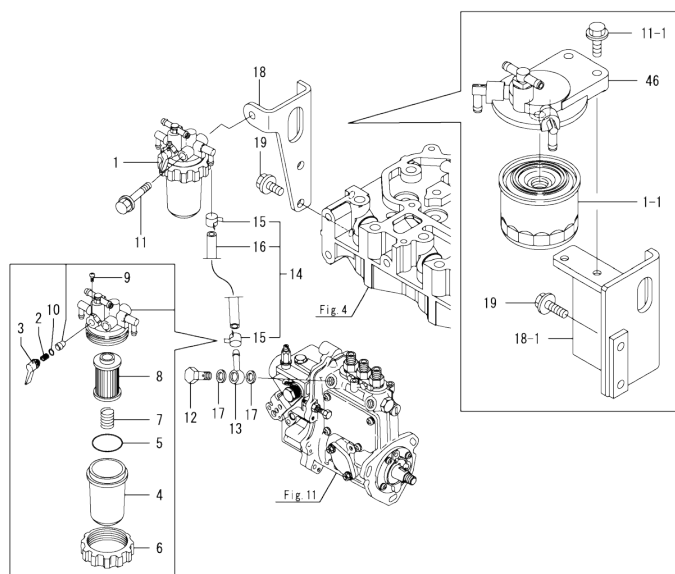
Remarks
(1)Interchangeable by simultaneous replacement with No.12-1 & 20-1.

				(A)=3TNV70-SSU (B)=3TNV70-SSU1 (C)=	0CW10-M06301 Fig.13						
					(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119517-53001	VALVE ASSY,INJECTION	3	3						
3	2	119517-53010	NOZZLE ASSY	3	3						
3A	2	129901-53800	SHIM SET, ADJUSTING	2	2						
4	1	129150-59120	RETAINER, PIPE	1	1						
7	2	129150-59131	BOLT, M4X14	2	2						
9	1	119546-59810	PIPE ASSY, INJECTION	1	1						
10	1	119546-59820	PIPE ASSY, INJECTION	1	1						
11	1	119546-59830	PIPE ASSY, INJECTION	1	1						
12	1	119840-59570	JOINT	1							
12-1	1	119740-59590	JOINT, OVER FLOW	1	1	F 1					
(A=E13246)											
13	1	119515-59540	PIPE ASSY, RETURN	1	1						
19	1	129901-59560	GASKET	3	3						
20	1	119540-59570	PIPE ASSY, RETURN	1							
20-1	1	119744-59560	PIPE ASSY, RETURN	1	1	F 1					
(A=E13246)											
21	2	124066-59100	CLIP, HOSE 8	2	2						
23	1	119620-59700	NUT, NOZZLE	3	3						
24	1	119813-59950	VALVE ASSY, CHECK	1	1						
30	1	22190-120002	WASHER, SEAL 12	2	2						
31	1	129950-59211	PIPE, FUEL	1	1						
32	2	124766-59050	CLIP, HOSE 11.5	2	2						
33	2	129950-59221	TUBE, CORRUGATED	1	1						
34	2	105025-59530	PIPE, FUEL D13X400	1	1						

Fig.14. FUEL PIPE

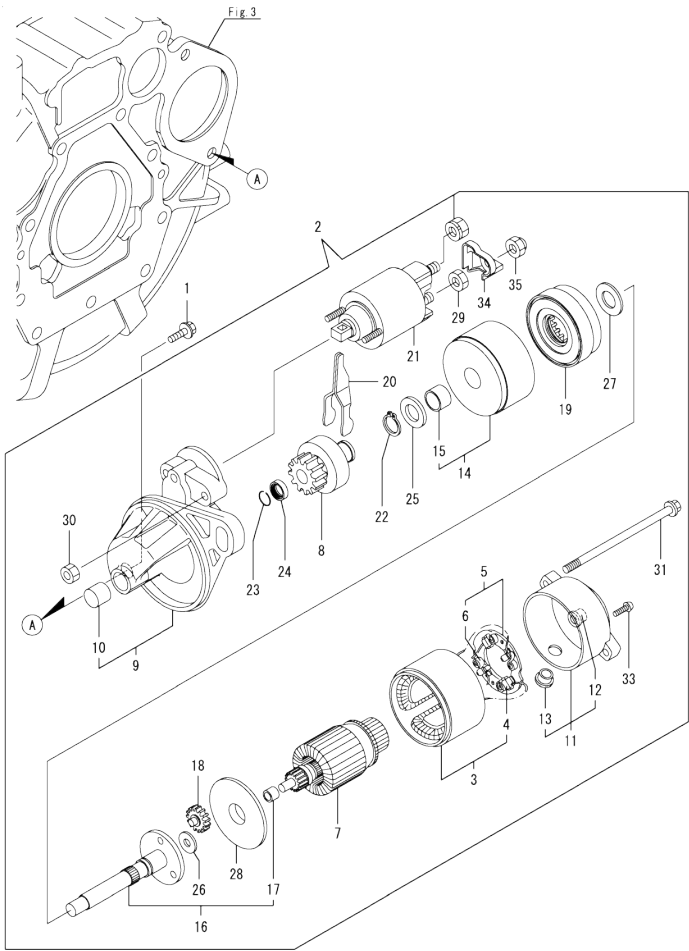


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1							
1-1	1	119802-55800	FILTER, FUEL	1							S
(A=E08042)											
1-2	1	119802-55801	FILTER, FUEL	1	1						R
(A=E12001)											
2	2	104200-55330	SPRING, VALVE	1							Z
(A=E08042)											
3	2	119810-55340	LEVER	1							Z
(A=E08042)											
4	2	121254-55510	COVER	1							Z
(A=E08042)											
5	2	102103-55520	O-RING	1							Z
(A=E08042)											
6	2	110250-55610	RING, RETAINING	1							Z
(A=E08042)											
7	2	121250-55620	SPRING	1							Z
(A=E08042)											
8	2	119810-55650	ELEMENT	1							Z
(A=E08042)											
9	2	104200-55750	SCREW, M4	1							Z
(A=E08042)											
10	2	24311-240100	O-RING, 1AP10A	1							Z
(A=E08042)											
11	1	26014-080702	BOLT, M8X 70	1							
11-1	1	26106-080302	BOLT, M8X 30 PLATED	2	2						S
(A=E08042)											
12	1	103854-39140	BOLT, PIPE JOINT	1	1						
13	1	101304-59020	JOINT, PIPE 12	1	1						
14	1	129210-59080	PIPE ASSY, FUEL	1	1						
15	2	124766-59050	CLIP, HOSE 11.5	2	2						
16	2	129136-59110	PIPE, D13/7.5X270	1	1						
17	1	22190-120002	WASHER, SEAL 12	2	2						
18	1	119717-55650	BRACKET, FILTER	1							
18-1	1	119540-55650	BRACKET, FILTER	1							S
(A=E08042)											
18-2	1	119540-55651	BRACKET, FILTER	1	1						N
(A=E33897)											
19	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
20	1	129335-55700	SEPARATOR ASSY, WATER	1	1						
20-1	1	129335-55701	SEPARATOR ASSY, WATER	1	1						N
(A=E83352)											
21	2	24311-240100	O-RING, 1AP10A	1							
22	2	104200-55321	VALVE, TAPER	1	1						
23	2	104200-55330	SPRING, VALVE	1	1						
24	2	104200-55341	HANDLE	1	1						
25	2	124064-55510	COVER	1	1						
26	2	102103-55520	O-RING	1	1						
27	2	110250-55610	RING, RETAINING	1	1						
28	2	121257-55720	SPRING	1	1						
29	2	121257-55731	FLOAT	1	1						
31	2	101720-55750	PLUG, 6	2	2						

[illegible]

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:Qty Change
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Fig.15. STARTER MOTOR

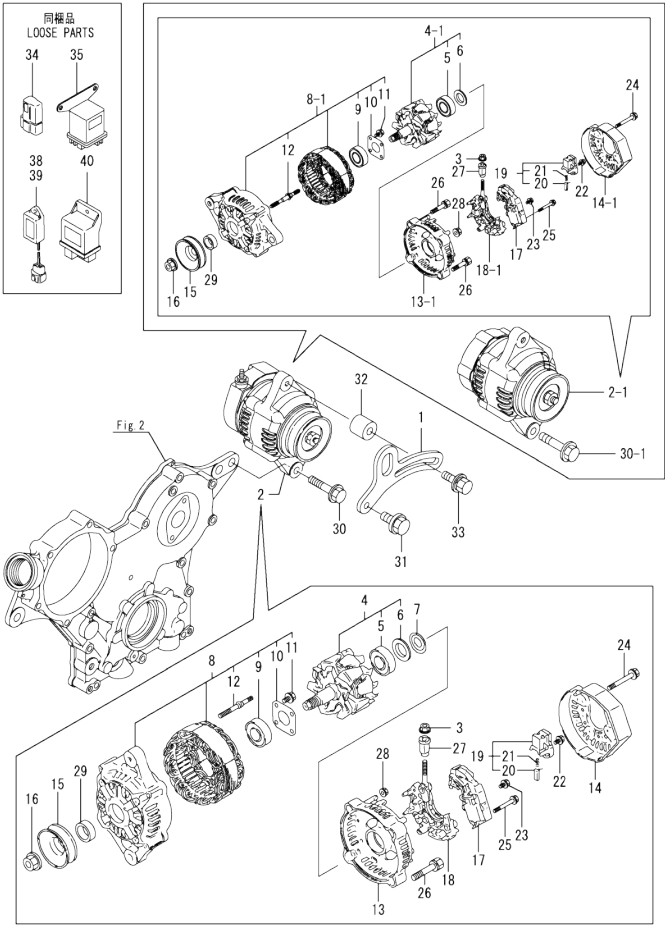


(A)=3TNV70-SSU
(B)=3TNV70-SSU1
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100252	BOLT, M10X 25 PLATED	2	2						
2	1	119515-77010	STARTER	1	1						
3	2	X0281007680	YOKE ASSY	1	1						
4	3	X0280996180	STARTER KIT	2	2						
5	2	X0285105190	HOLDER ASSY	1	1						
6	3	X0285205030	SPRING	4	4						
7	2	X0282005871	ARMATURE ASSY	1	1						
8	2	X0283006960	CLUTCH ASSY	1	1						
9	2	X4284001590	HOUSING ASSY	1	1						
10	3	X9491050100	BEARING, NEEDLE	1	1						
11	2	X0285007030	FRAME ASSY	1	1						
12	3	X9491040990	BEARING	1	1						
13	3	X0280626010	COVER	1	1						
14	2	X0284105040	BEARING ASSY	1	1						
15	3	X9491034330	BEARING	1	1						
16	2	X0286105010	SHAFT ASSY	1	1						
17	3	X9491034320	BEARING	1	1						
18	2	X0286305010	GEAR	3	3						
19	2	X0286355010	GEAR	1	1						
20	2	X0287405140	LEVER	1	1						
21	2	X0534007800	SWITCH ASSY	1	1						
21-1	2	X2534000090	SWITCH ASSY	1	1						N
(A="2012.03)											
22	2	X9055715000	RING	1	1						
23	2	X9490721360	RING	1	1						
24	2	X0280210331	NUT	1	1						
25	2	X9490138110	WASHER	1	1						
26	2	X9490138090	WASHER	1	1						
27	2	X9490138100	WASHER	1	1						
28	2	X0284525010	PLATE	1	1						
29	2	X9490562360	NUT	1	1						
30	2	X9490560750	NUT	2	2						
31	2	X9490423520	BOLT, THROUGH	2	2						
33	2	X9490065670	SCREW, M4X6	2	2						
34	2	X0280335360	COVER, TERMINAL	1	1						
34-1	2	X1280330020	COVER, TERMINAL	1	1						N
(A="2012.03)											
35	2	X1289510130	NUT	1	1						

Fig.16. GENERATOR



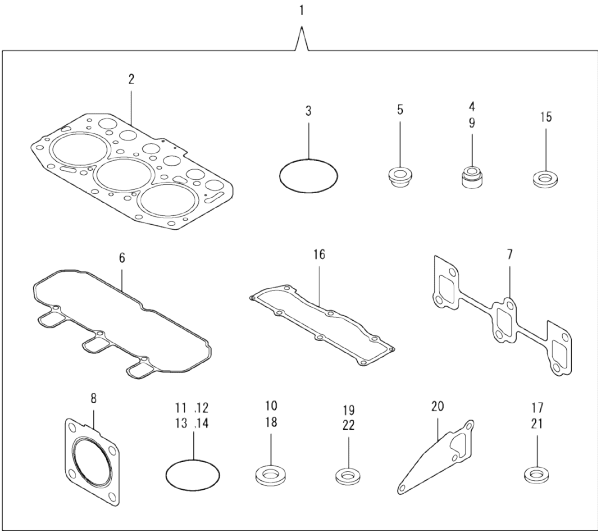
No.		Lev.	Parts No.	Description	Q'ty						I	R
					(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119230-77330	ADJUSTER		1	1						
2	1	129423-77200	GENERATOR, 12V-40A		1							
2-1	1	119626-77210	ALTERNATOR, 12V-55A		1	1					N	
(A=E23604)												
3	2	X9490561001	NUT		1	1						
4	2	119620-77380	ROTOR ASSY		1							
4-1	2	129052-77380	ROTOR ASSY		1	1					S	
(A=E23604)												
5	3	123501-79240	BEARING, BALL		1	1						
6	3	119620-79250	COVER		1	1						
7	2	119620-79360	WASHER, THRUST		1						Z	
(A=E23604)												
8	2	119620-77421	FRAME ASSY, DRIVE		1							
8-1	2	129052-77422	FRAME ASSY		1	1					S	
(A=E23604)												
9	3	119620-79200	BEARING, BALL		1	1						
10	3	119620-79210	PLATE, RETAINER		1	1						
11	3	119620-79220	SCREW		4	4						
12	3	119620-79230	STUD		2	2						
13	2	119620-77440	FRAME ASSY		1							
13-1	2	128401-77440	FRAME		1	1					S	
(A=E23604)												
14	2	129240-79300	COVER		1							
14-1	2	119626-77450	COVER		1	1					S	
(A=E23604)												
15	2	119620-77461	PULLEY		1	1						
16	2	119620-77471	NUT		1	1						
17	2	129423-77710	REGULATOR ASSY		1	1						
18	2	119620-79260	HOLDER		1							
18-1	2	129052-79260	HOLDER		1	1					S	
(A=E23604)												
19	2	129052-79270	HOLDER, BRUSH		1	1						
20	3	119620-77480	BRUSH ASSY		2	2						
21	3	119620-79280	SPRING		2	2						
22	2	119620-79290	SCREW		6	6						
23	2	119620-79300	SCREW		1	1						
24	2	119620-79310	BOLT		3	3						
25	2	119620-79320	SCREW		2	2						
26	2	119620-79330	BOLT		2	2						
27	2	119620-79340	BUSH, INSULATION		1	1						
28	2	119620-79350	NUT		2	2						
29	2	119620-77490	COLLAR		1	1						
30	1	26106-100452	BOLT, M10X 45 PLATED		1							
30-1	1	26106-100502	BOLT, M10X 50 PLATED		1	1					S	
(A=E23604)												
31	1	26106-080202	BOLT, M8X 20 PLATED		1	1						
32	1	124732-77340	SPACER		1	1						
33	1	129972-77341	BOLT, ADJUSTER L=50		1	1						
34	1	119643-66900	DIODE		1	1						
35	1	119650-77910	RELAY ASSY, GLOW		1							
35-1	1	119650-77911	RELAY ASSY, GLOW		1	1					N	



N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.17. GASKET SET



Remarks
(1)Optional parts.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719515-92690	GASKET SET	1	1						1
2	2	119515-01330	GASKET, HEAD	1							
2-1	2	119515-01331	GASKET, HEAD	1	1					N	
(A=E83352)											
3	2	121850-51960	O-RING	1	1						
4	2	119717-11340	SEAL, VALVE STEM	3	3						
5	2	129901-11450	PROTECTOR, NOZZLE	3	3						
6	2	119515-11310	GASKET, BONNET	1	1						
7	2	119717-13110	GASKET	1	1						
8	2	119515-13200	GASKET, SILENCER	2	2						
9	2	119717-11350	SEAL, VALVE STEM	3	3						
10	2	22190-080002	WASHER, SEAL 8	4	4						
11	2	24311-000320	O-RING, 1AP32.0	2	2						
12	2	119717-32060	O-RING, P15.0	1	1						
13	2	119624-32040	O-RING, P12.0	1	1						
14	2	119717-32050	O-RING, P17.0	3	3						
15	2	119600-11460	GASKET, NOZZLE	6	6						
16	2	119515-11330	GASKET	1	1						
17	2	22190-160002	WASHER, SEAL 16	1	1						
18	2	22190-120002	WASHER, SEAL 12	4	4						
19	2	129901-59560	GASKET	3	3						
20	2	119515-42020	GASKET, WATER PUMP	1	1						
21	2	23414-080000	GASKET, 8X1.0	1	1						
22	2	124465-44950	GASKET, 16	2	2						

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	13
101720-55750	14	31
102103-55520	14	5
	26	
	40	
103854-39140	14	12
104200-55321	14	22
104200-55330	14	2
	23	
	37	
104200-55341	14	24
104200-55750	14	9
	32	
	44	
105010-11490	4	5
105025-59530	13	34
105027-12580	5	7
105311-01090	1	6
105425-01690	3	7
110250-55610	14	6
	27	
	41	
114250-39450	9	10
119131-18320	6	5
119140-12680	5	8
119225-52102	14	35
119230-77330	16	1
119233-12700	5	3
	16	
119233-77932	12	134 -1
119285-01990	1	9
119285-11990	4	13
119305-35151	9	3
	17	
119336-12570	5	5
119515-01200	1	30
119515-01330	1	31
	17	2
119515-01331	1	31 -1
	17	2 -1
119515-01601	3	2
119515-01720	3	4
119515-11100	4	15
119515-11101	4	15 -1
119515-11110	4	16
119515-11200	4	23
119515-11240	4	24
119515-11280	4	28
119515-11310	4	48
	17	6

Parts No.	Fig. No.	Ref. No.
119515-11320	4	49
119515-11330	4	50
	17	16
119515-11380	4	37
119515-11740	4	6
119515-11800	4	68
119515-12520	5	4
	15	
119515-12600	5	10
119515-13200	6	7
	11	
	17	8
119515-14400	7	2
119515-14580	7	3
119515-14581	7	3 -1
119515-21580	8	9
119515-21700	8	1
119515-22080	8	16
119515-22300	8	22
119515-22500	8	18
119515-22550	8	34
119515-22900	8	32
119515-23000	8	24
119515-23600	8	30
119515-23601	8	30 -1
119515-23610	8	38
119515-23611	8	38 -1
119515-34801	9	1
119515-35080	9	5
119515-42020	10	13
	17	20
119515-42041	10	3
119515-59540	13	13
119515-61440	12	21
119515-77010	15	2
119517-53001	13	1
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