

0CD10-M91301EN

P R E F A C E

This parts catalog is the 2nd edition of 3TNV70-XHB, 3TNV70-XHBT for Hitachi Construction Machinery Co., Ltd.

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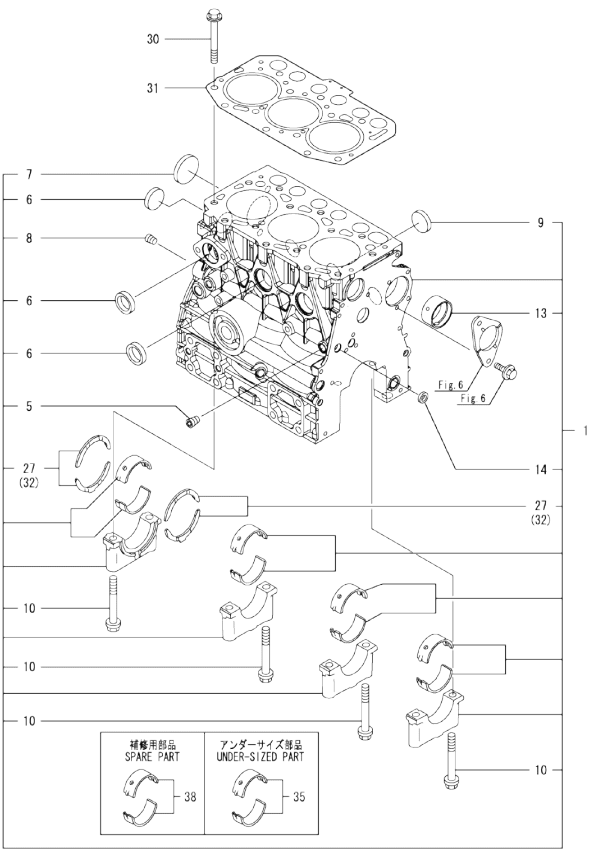
Contents

0CD10-M91301

Fig. No.	Fig. Name
3	TNV70-XHB/3TNV70-XHBT
1.	CYLINDER BLOCK
2.	GEAR HOUSING
3.	FLYWHEEL HOUSING & OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	EXHAUST MANIFOLD
6.	CAMSHAFT & DRIVING GEAR
7.	CRANKSHAFT & PISTON
8.	LUB. OIL SYSTEM
9.	COOLING WATER SYSTEM
10.	FUEL INJECTION PUMP
11.	GOVERNOR
12.	FUEL INJECTION VALVE
13.	FUEL PIPE
14.	STARTER MOTOR
15.	GENERATOR
16.	GASKET SET

Fig. No.	Fig. Name
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Fig.1. CYLINDER BLOCK

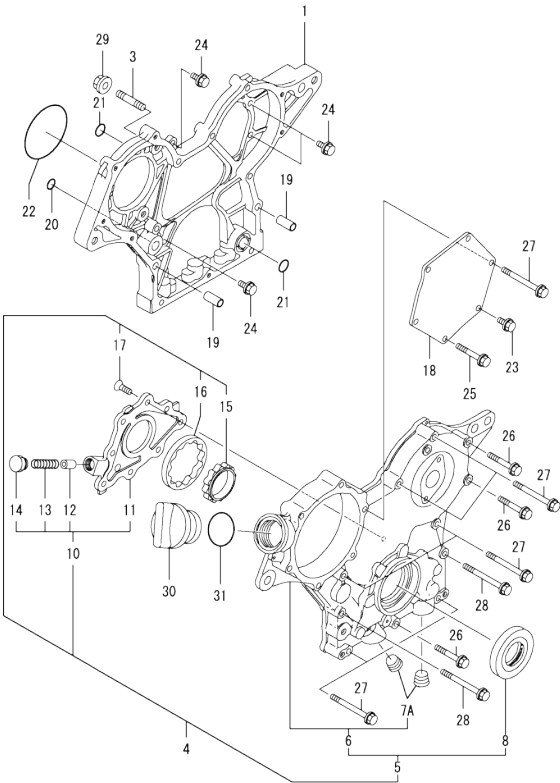


Remarks
(1)Over-sized(O.S.=0.25) parts.
(2)Spare parts.
(3)Under-sized(U.S.=0.25) parts.

OCD10-M91301 Fig.1
(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=
(D)=
(E)=
(F)=
Q'ty
I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	119717-02411	BUSH, CAMSHAFT	1	1						
14	2	27241-120000	PLUG, 12	1	1						
27	2	119717-02930	BEARING, THRUST	2	2						
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=E81048)											
32	1	119810-02941	BEARING, THRUST 0.25	2	2						1
35	1	719717-02911	BEARING, 0.25 US	4	4						3
38	1	719717-02901	BEARING, MAIN	4	4						2

Fig.2. GEAR HOUSING

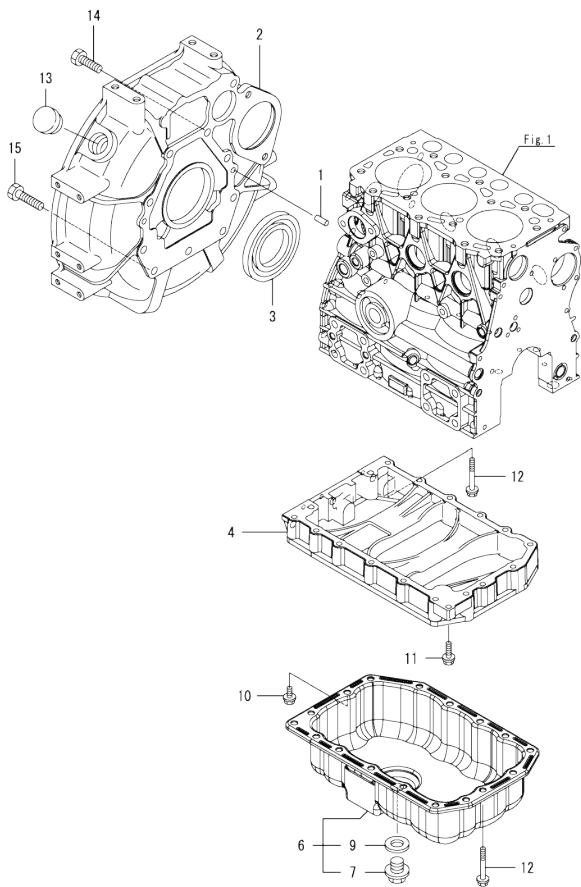


(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

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

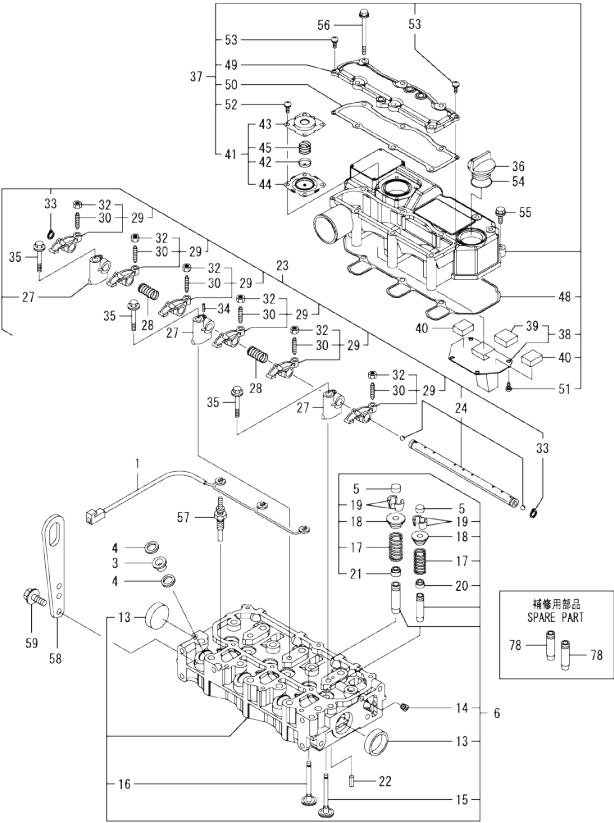
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1	1						
3	1	119717-01570	STUD	3	3						
4	1	119734-01590	COVER ASSY,GEAR CASE	1	1						
5	2	719734-01500	COVER ASSY,GEAR CASE	1	1						
6	3	119717-01521	COVER, GEAR CASE	1	1						
7A	4	23876-030000	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	243111-000320	O-RING, 1AP32.0	1	1						

Fig.3. FLYWHEEL HOUSING & OIL SUMP



										OCD10-M91301		Fig.3					
										(A)=3TNV70-XHB		(D)=					
										(B)=3TNV70-XHBT		(E)=					
										(C)=		(F)=					
										Q'ty							
										(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, 8X16							2	2						
2	1	119515-01601	HOUSING, FLYWHEEL							1	1						
3	1	124085-02220	SEAL, OIL							1							
3-1	1	119734-02220	SEAL, OIL							1	1						
(A=E22346)																	
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						
(A=E52157)																	

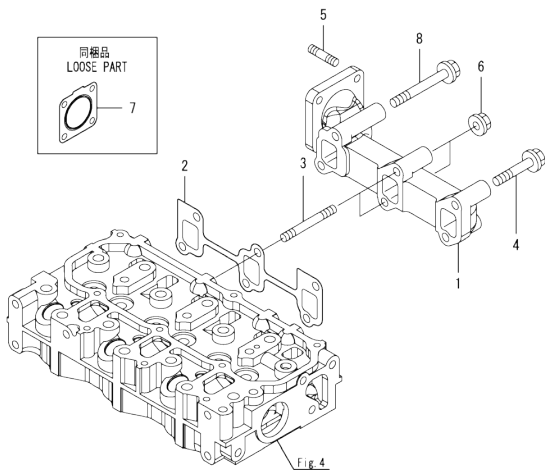
OCD10-M91301 3TNV70-XHB/3TNV70-XHBT
Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

OCD10-M91301 Fig.4									
(A)=3TNV70-XHB (D)= (B)=3TNV70-XHBT (E)= (C)= (F)=									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	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	119515-11101	VALVE, INTAKE	3	3				
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				
57	1	119717-77800	PLUG, GLOW	3	3				
57-1	1	119717-77801	PLUG, GLOW	3	3				N
(A=E87278)									
58	1	129900-07900	LIFTER	1	1				
59	1	26106-080162	BOLT, M8X 16 PLATED	2	2				
78	1	119515-11800	GUIDE, VALVE	6	6				1

Fig.5. EXHAUST MANIFOLD



(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

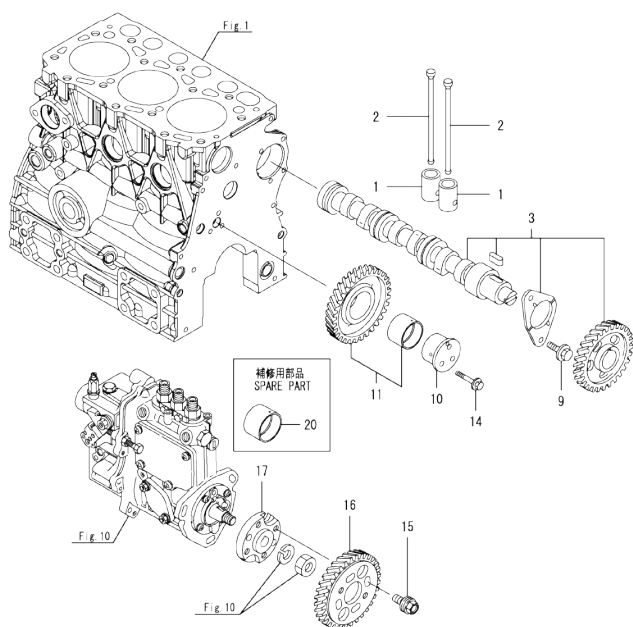
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119740-13100	MANIFOLD, EXHAUST	1	1						
2	1	119717-13110	GASKET	1	1						
3	1	119717-13600	STUD, M8X50	2	2						
4	1	119802-13620	BOLT, M8X50	2	2						
5	1	119131-18320	STUD, M8X22	4	4						
6	1	26306-080002	NUT, M8	2	2						
7	1	119515-13200	GASKET, SILENCER	1	1						
8	1	123900-13620	BOLT, M8X70	2	2						

Fig.6. CAMSHAFT & DRIVING GEAR

(D)=
(E)=

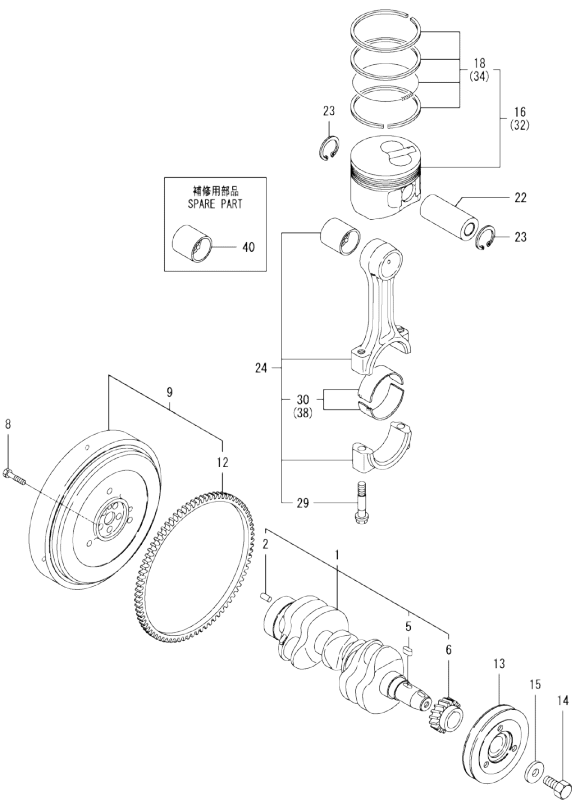
(D)=
(E)=
(F)=

[illegible]

Remarks
(1) Spare parts.

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.7. CRANKSHAFT & PISTON



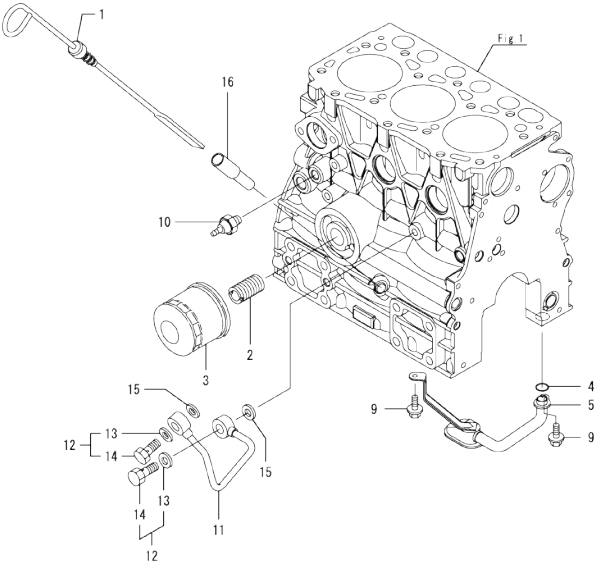
Remarks
(1)Over-sized(O.S.=0.25) parts.
(2)Spare parts.
(3)Under-sized(U.S.=0.25) parts.

(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(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	119515-21590	FLYWHEEL ASSY	1	1						
12	2	124950-21600	GEAR, RING	1	1						
13	1	119515-21650	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=E56041)											
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	119515-23601	BEARING, CRANK PIN	3	3						
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	119515-23611	METAL ASSY, 0.25	3	3						3
40	1	119717-23910	BEARING, PISTON PIN	3	3						2

Fig.8. LUB. OIL SYSTEM

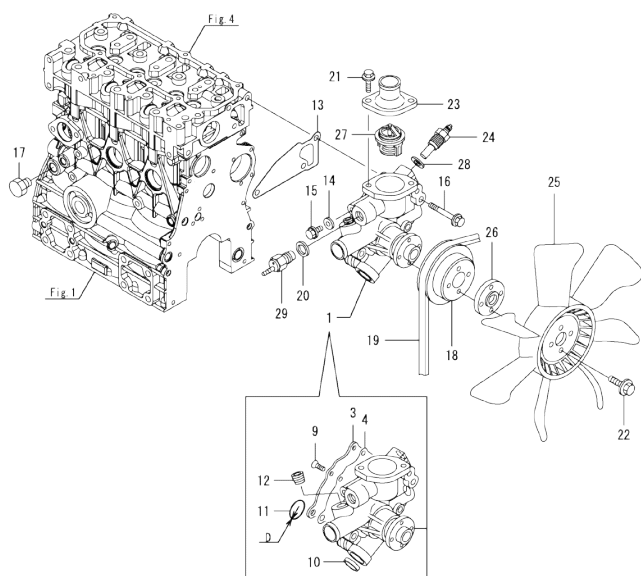


Remarks
(1)Spare parts.

(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

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

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	
(A=E60922)											
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	129005-59630	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						

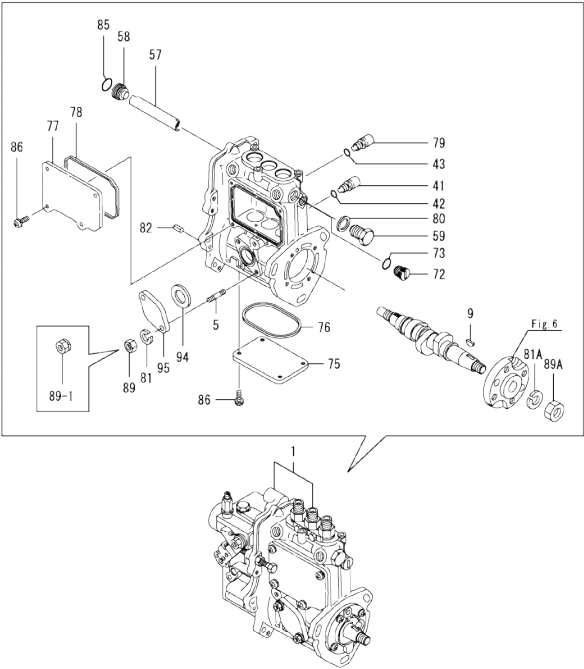


(1) D=No.11 : 3.5mm, No.11-1 : 2.4mm.

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

OCD10-M91301 3TNV70-XHB/3TNV70-XHBT

Fig.10. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.11) is incorporated in this Fuel Injection Pump(No.1).

OCD10-M91301 Fig.10

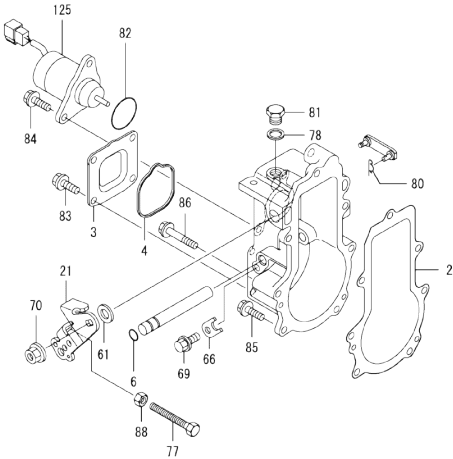
(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719540-51440	PUMP ASSY, INJECTION	1	1						1
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	119717-51711	GASKET	1	1						
77	2	119717-51750	COVER	1	1						
78	2	119717-51761	GASKET	1	1						
79	2	158600-51790	STOOPER, RACK	1	1						
80	2	22190-160002	WASHER, SEAL 16	1	1						
81	2	22217-060000	WASHER, SPRING 6	2							Z
(A=E54049)											
81A	2	22217-120000	WASHER, SPRING 12	1	1						
82	2	22351-050010	PIN, SPRING 5.0X10	2	2						
85	2	119717-51420	O-RING	1	1						
86	2	26022-050122	SCREW, M5X12	8	8						
89	2	26716-060002	NUT, M6	2							
89-1	2	119717-51860	NUT, M6	2	2						N
(A=E54049)											
89A	2	26716-120002	NUT, M12	1	1						
94	2	129155-52051	GASKET	1	1						
95	2	129100-52200	COVER	1	1						

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.11. GOVERNOR

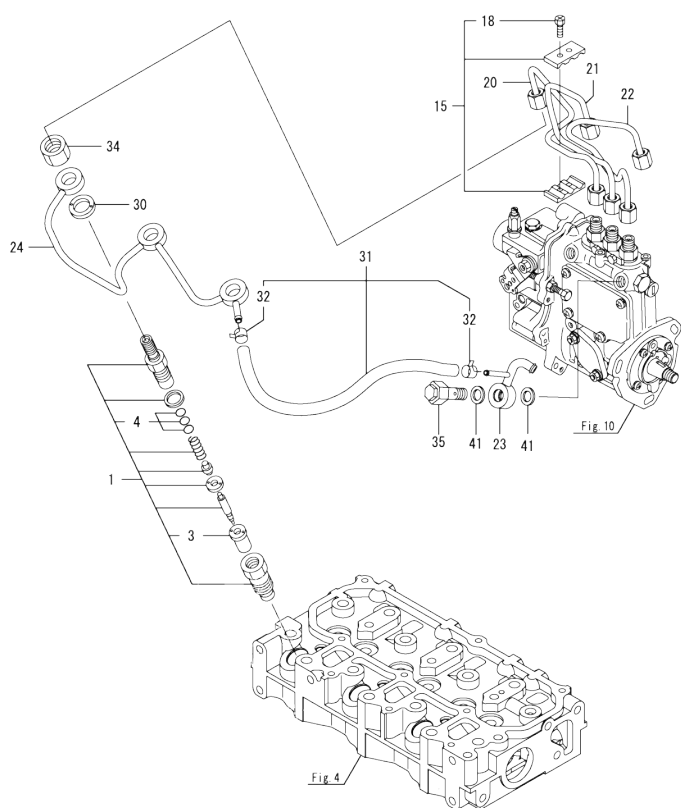


Remarks
* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.10).

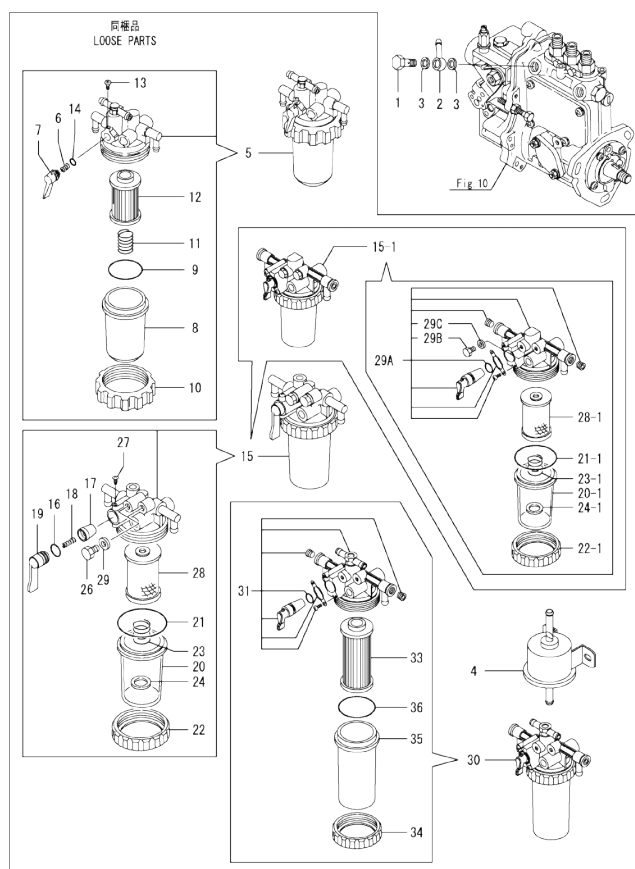
(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

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

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						
70	2	26366-080002	NUT, M8	1	1						
77	2	129155-61460	BOLT, IDLE	1	1						
78	2	22190-100002	WASHER, SEAL 10	1	1						
80	2	22372-040000	PIN, SNAP 4	1	1						
81	2	23887-100002	PLUG, 10	1							
81-1	2	119717-51930	PLUG,M10	1	1						R
(A=E68837)											
82	2	158552-61900	O-RING	1	1						
83	2	26106-060102	BOLT, M6X 10 PLATED	4	4						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	26106-060202	BOLT, M6X 20 PLATED	4	4						
86	2	26106-060452	BOLT, M6X 45 PLATED	3	3						
88	2	26756-060002	NUT, LOCK M6	1	1						
125	2	119233-77932	SOLENOID, STOP	1	1						



				(A)=3TNV70-XHB (B)=3TNV70-XHBT (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119515-53001	VALVE ASSY,INJECTION	3	3						
3	2	119515-53010	VALVE ASSY,INJECTION	3	3						
4	2	129901-53800	SHIM SET, ADJUSTING	3	3						
15	1	129150-59120	RETAINER, PIPE	1	1						
18	2	129150-59131	BOLT, M4X14	2	2						
20	1	119546-59810	PIPE ASSY, INJECTION	1	1						
21	1	119546-59820	PIPE ASSY, INJECTION	1	1						
22	1	119546-59830	PIPE ASSY, INJECTION	1	1						
23	1	119515-59581	JOINT, OVER FLOW	1	1						
24	1	119515-59540	PIPE ASSY, RETURN	1	1						
30	1	129901-59560	GASKET	3	3						
31	1	119744-59560	PIPE ASSY, RETURN	1	1						
32	2	124066-59100	CLIP, HOSE 8	2	2						
34	1	119620-59700	NUT, NOZZLE	3	3						
35	1	119813-59950	VALVE ASSY, CHECK	1	1						
41	1	22190-120002	WASHER, SEAL 12	2	2						

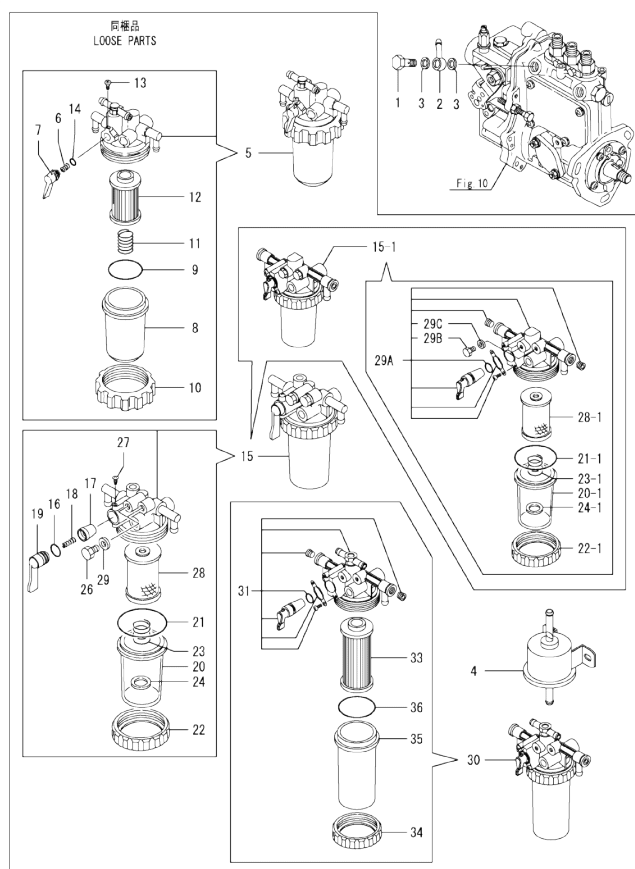


No.	Lev.	Parts No.	Description	(F)-Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	103854-39140	BOLT, PIPE JOINT	1	1						
2	1	101304-59020	JOINT, PIPE 12	1	1						
3	1	22190-120002	WASHER, SEAL 12	2	2						
4	1	129612-52100	PUMP ASSY, FUEL FEED	1	1						
5	1	119833-55620	FILTER ASSY, FUEL	1						Z	1
		(A=E64468)									
6	2	104200-55330	SPRING, VALVE	1						Z	
		(A=E64468)									
7	2	119810-55340	LEVER	1						Z	
		(A=E64468)									
8	2	121254-55510	COVER	1						Z	
		(A=E64468)									
9	2	102103-55520	O-RING	1						Z	
		(A=E64468)									
10	2	110250-55610	RING, RETAINING	1						Z	
		(A=E64468)									
11	2	121250-55620	SPRING	1						Z	
		(A=E64468)									
12	2	119810-55650	ELEMENT	1						Z	
		(A=E64468)									
13	2	104200-55750	SCREW, M4	1						Z	
		(A=E64468)									
14	2	24311-240100	O-RING, 1AP10A	1						Z	
		(A=E64468)									
15	1	129335-55700	SEPARATOR ASSY,WATER	1							
15-1	1	129335-55750	SEPARATOR ASSY,WATER	1	1					N	
		(A=E59285)									
16	2	24311-240100	O-RING, 1AP10A	1						Z	
		(A=E59285)									
17	2	104200-55321	VALVE, TAPER	1						Z	
		(A=E59285)									
18	2	104200-55330	SPRING, VALVE	1						Z	
		(A=E59285)									
19	2	104200-55341	HANDLE	1						Z	
		(A=E59285)									
20	2	124064-55510	COVER	1							
20-1	2	129335-55740	CUP	1	1					S	
		(A=E59285)									
21	2	102103-55520	O-RING	1							
21-1	2	24311-000440	O-RING, 1AP44.0	1	1					S	
		(A=E59285)									
22	2	110250-55610	RING, RETAINING	1							
22-1	2	119833-55660	RING, RETAINING	1	1					S	
		(A=E59285)									
23	2	121257-55720	SPRING	1							
23-1	2	129053-55650	SPRING, SCREEN	1	1					S	
		(A=E59285)									
24	2	121257-55731	FLOAT	1							
24-1	2	129053-55640	FLOAT	1	1					S	
		(A=E59285)									
26	2	101720-55750	PLUG, 6	2						Z	

Remarks
(1) No. 30 is interchangeable with No. 5.

N:Old $\xrightarrow{\text{Yes}}$ New, Q:Old $\xrightarrow{\text{No}}$ New, R:Old $\xrightarrow{\text{Yes}}$ New, S:Old $\xrightarrow{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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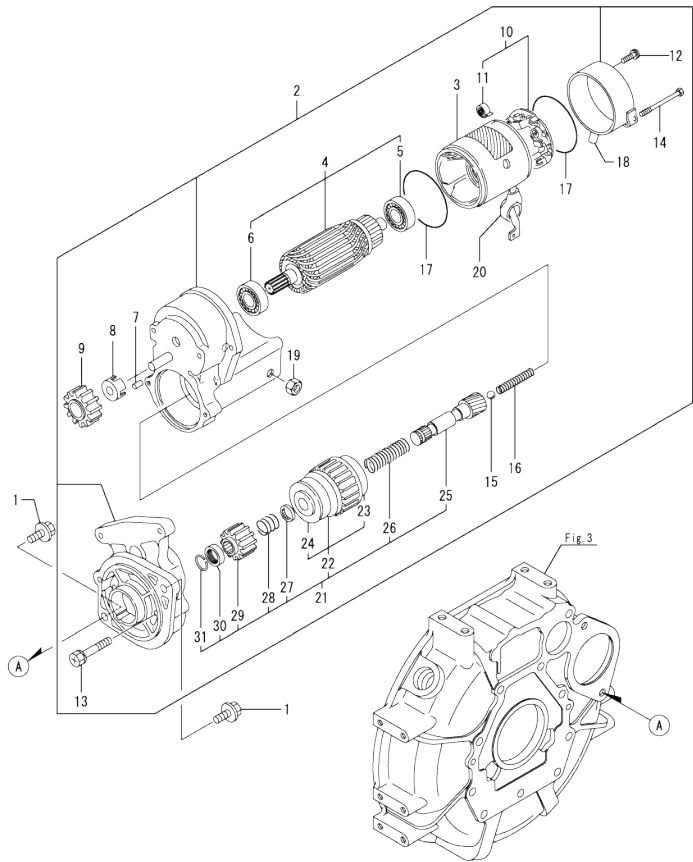
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
27	(A=E59285) 2	104200-55750	SCREW, M4	1							Z
28	(A=E59285) 2	171081-55910	SCREEN	1							
28-1	2	129335-55780	ELEMENT ASSY	1	1						S
29	(A=E59285) 2	23418-060000	GASKET, 6X1.0	2							Z
29A	2	129335-55770	BODY ASSY	1	1						W
29B	(A=E59285) 3	129242-55750	VALVE, AIR VENT	2	2						W
29C	(A=E59285) 3	129242-55760	GASKET	2	2						W
30	(A=E59285) 1	119833-55630	FILTER ASSY, FUEL	1	1						W 1
31	(A=E64468) 2	119833-55640	BODY ASSY,FILTER	1	1						W
33	(A=E64468) 2	119833-55650	ELEMENT, FUEL	1	1						W
34	(A=E64468) 2	119833-55660	RING, RETAINING	1	1						W
35	(A=E64468) 2	119833-55670	BOWL, STRAINER	1	1						W
36	(A=E64468) 2	24311-000440	O-RING, 1AP44.0	1	1						W

Remarks

(1) No. 30 is interchangeable with No. 5.

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.14. STARTER MOTOR

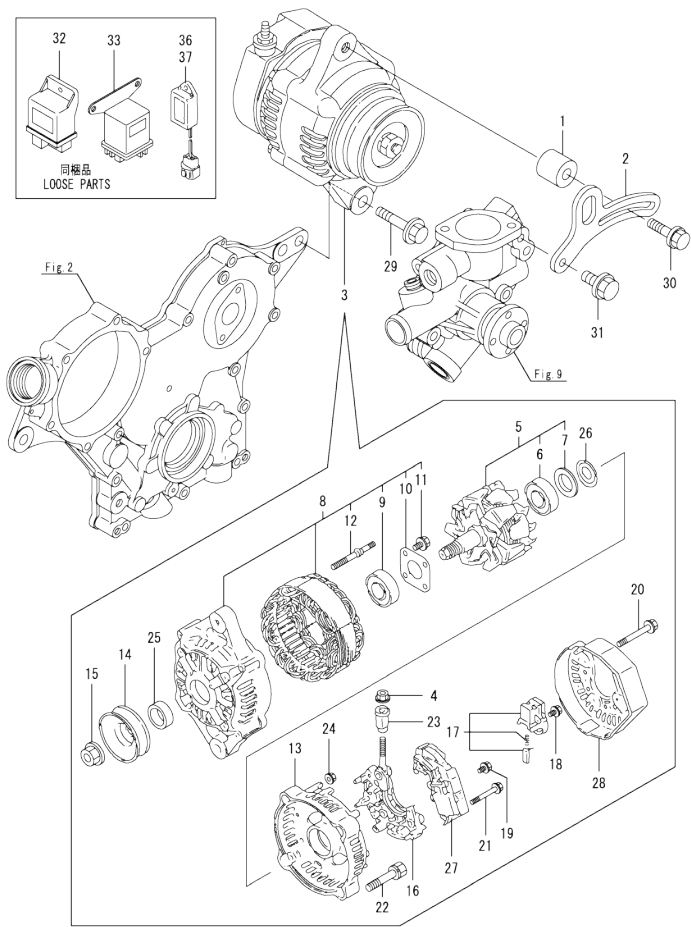


(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

(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	119540-77010	STARTER, RA1.4	1	1						
3	2	129407-77210	YOKE ASSY	1	1						
4	2	129407-77220	ARMATURE ASSY	1	1						
5	3	129129-77230	BEARING, BALL	1	1						
6	3	129129-77240	BEARING, BALL	1	1						
7	2	X0283060061	ROLLER	5	5						
8	2	129129-77260	RETAINER	1	1						
9	2	129129-77270	PINION	1	1						
10	2	129407-77300	HOLDER ASSY	1	1						
11	3	X9491730461	SPRING	4	4						
12	2	129129-77460	SCREW	2	2						
13	2	129129-77320	BOLT	2	2						
14	2	129407-77330	BOLT	2	2						
15	2	X9491200240	BALL	1	1						
16	2	129129-77340	SPRING	1	1						
17	2	129129-77350	O-RING	2	2						
18	2	129129-77362	COVER	1	1						
19	2	X9490561370	NUT	1	1						
20	2	129129-77380	CAP	1	1						
21	2	X1280996600	STARTER KIT	1	1						
22	3	129129-77390	CLUTCH ASSY	1	1						
23	4	129129-77440	BEARING, BALL	1	1						
24	4	129129-77450	BEARING, BALL	1	1						
25	3	129129-77400	SHAFT	1	1						
26	3	129129-77410	SPRING, COIL	1	1						
27	3	X0283270140	RETAINER	1	1						
28	3	129407-77410	SPRING	1	1						
29	3	X0283712350	PINION, STARTER	1	1						
30	3	X0280210230	NUT	1	1						
31	3	129129-77430	RING	1	1						

Fig.15. GENERATOR

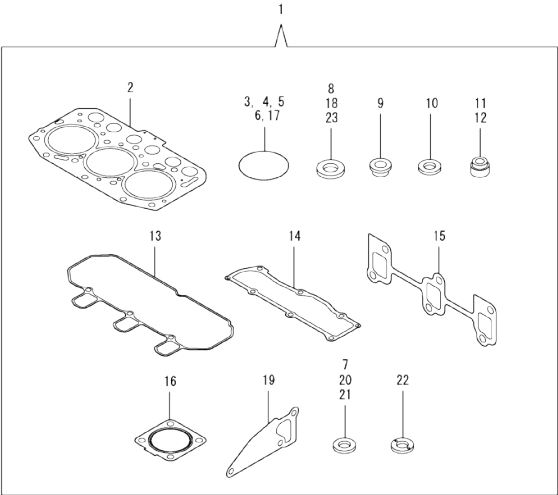


(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124732-77340	SPACER	1	1						
2	1	119230-77330	ADJUSTER	1	1						
3	1	129240-77200	ALTERNATOR	1	1						
4	2	129240-79310	NUT	1	1						
5	2	119620-77380	ROTOR ASSY	1	1						
6	3	123501-79240	BEARING, BALL	1	1						
7	3	119620-79250	COVER	1	1						
8	2	119620-77421	FRAME ASSY, DRIVE	1	1						
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	1						
14	2	119620-77461	PULLEY	1	1						
15	2	119620-77471	NUT	1	1						
16	2	119620-79260	HOLDER	1	1						
17	2	129052-79270	HOLDER, BRUSH	1	1						
18	2	119620-79290	SCREW	6	6						
19	2	119620-79300	SCREW	1	1						
20	2	119620-79310	BOLT	3	3						
21	2	119620-79320	SCREW	2	2						
22	2	119620-79330	BOLT	2	2						
23	2	119620-79340	BUSH, INSULATION	1	1						
24	2	119620-79350	NUT	2	2						
25	2	119620-77490	COLLAR	1	1						
26	2	119620-79360	WASHER, THRUST	1	1						
27	2	129240-77710	REGULATOR ASSY	1	1						
28	2	129240-79300	COVER	1	1						
29	1	26106-100502	BOLT, M10X 50 PLATED	1	1						
30	1	129972-77341	BOLT, ADJUSTER L=50	1	1						
31	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
32	1	119802-77200	RELAY, SAFETY	1	1						
33	1	119650-77910	RELAY ASSY, GLOW	1							
33-1	1	119650-77911	RELAY ASSY, GLOW	1	1						N
(A=E70257)											
36	1	129155-77925	TIMER	1							Z
(A=E63394)											
37	1	129211-77920	TIMER	1	1						

Fig.16. GASKET SET



(A)=3TNV70-XHB
(B)=3TNV70-XHBT
(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						1
2	2	119515-01331	GASKET, HEAD	1	1						
3	2	119624-32040	O-RING, P12.0	1	1						
4	2	119717-32050	O-RING, P17.0	3	3						
5	2	121850-51960	O-RING	1	1						
6	2	24311-000320	O-RING, 1AP32.0	2	2						
7	2	129150-49360	GASKET	1	1						
8	2	22190-160002	WASHER, SEAL 16	1	1						
9	2	129901-11450	PROTECTOR, NOZZLE	3	3						
10	2	119600-11460	GASKET, NOZZLE	6	6						
11	2	119717-11340	SEAL, VALVE STEM	3	3						
12	2	119717-11350	SEAL, VALVE STEM	3	3						
13	2	119515-11310	GASKET, BONNET	1	1						
14	2	119515-11330	GASKET	1	1						
15	2	119717-13110	GASKET	1	1						
16	2	119515-13200	GASKET, SILENCER	1	1						
17	2	119717-32060	O-RING, P15.0	1	1						
18	2	22190-080002	WASHER, SEAL 8	4	4						
19	2	119515-42020	GASKET, WATER PUMP	1	1						
20	2	23414-080000	GASKET, 8X1.0	1	1						
21	2	124465-44950	GASKET, 16	1	1						
22	2	129901-59560	GASKET	3	3						
23	2	22190-120002	WASHER, SEAL 12	4	4						

Remarks
(1)Optional parts.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	13	2
101720-55750	13	26
102103-55520	13	9
		21
103854-39140	13	1
104200-55321	13	17
104200-55330	13	6
		18
104200-55341	13	19
104200-55750	13	13
		27
105010-11490	4	5
105311-01090	1	6
105425-01690	3	7
110250-55610	13	10
		22
114250-39450	8	10
119131-18320	5	5
119230-77330	15	2
119233-77932	11	125
119266-49350	9	24
119285-01990	1	9
119285-11990	4	13
119305-35151	8	3
119515-01200	1	30
119515-01330	1	31
119515-01331	1	31 -1
	16	2
119515-01601	3	2
119515-01720	3	4
119515-11101	4	15
119515-11110	4	16
119515-11200	4	23
119515-11240	4	24
119515-11280	4	28
119515-11310	4	48
	16	13
119515-11320	4	49
119515-11330	4	50
	16	14
119515-11380	4	37
119515-11740	4	6
119515-11800	4	78
119515-13200	5	7
	16	16
119515-14400	6	2
119515-14581	6	3
119515-21590	7	9
119515-21650	7	13
119515-21700	7	1

Parts No.	Fig. No.	Ref. No.
119515-22080	7	16
119515-22300	7	22
119515-22500	7	18
119515-22550	7	34
119515-22900	7	32
119515-23000	7	24
119515-23601	7	30
119515-23611	7	38
119515-34801	8	1
119515-35080	8	5
119515-42020	9	13
	16	19
119515-42041	9	3
119515-42350	9	18 -1
119515-53001	12	1
119515-53010	12	3
119515-59540	12	24
119515-59581	12	23
119515-61440	11	21
119540-01770	3	6
119540-42000	9	1
119540-77010	14	2
119546-59810	12	20
119546-59820	12	21
119546-59830	12	22
119600-11460	4	4
	16	10
119620-01750	3	13
119620-02020	1	10
119620-14200	6	1
119620-21500	7	8
119620-21941	7	15
119620-59700	12	34
119620-77380	15	5
119620-77421	15	8
119620-77440	15	13
119620-77461	15	14
119620-77471	15	15
119620-77490	15	25
119620-79200	15	9
119620-79210	15	10
119620-79220	15	11
119620-79230	15	12
119620-79250	15	7
119620-79260	15	16
119620-79290	15	18
119620-79300	15	19
119620-79310	15	20
119620-79320	15	21
119620-79330	15	22

Parts No.	Fig. No.	Ref. No.
119620-79340	15	23
119620-79350	15	24
119620-79360	15	26
119621-21680	7	14
119621-21681	7	14 -1
119623-01250	1	7
119624-32040	2	20
	16	3
119650-77910	15	33
119650-77911	15	33 -1
119660-01911	2	19
119660-61901	11	66
119717-01501	2	1
119717-01521	2	6
119717-01570	2	3
119717-01750	2	18
119717-01800	2	8
119717-02411	1	13
119717-02930	1	27
119717-03031	4	38
119717-03070	4	39
		40
119717-11131	4	17
119717-11190	4	19
119717-11260	4	27
119717-11340	4	20
	16	11
119717-11350	4	21
	16	12
119717-11650	4	29
119717-13110	5	2
	16	15
119717-13600	5	3
119717-21200	7	6
119717-23200	7	29
119717-23910	7	40
119717-25050	6	10
119717-25101	6	11
119717-25911	6	20
119717-25930	6	16
119717-32050	2	21
	16	4
119717-32060	8	4
	16	17
119717-32080	2	11
119717-32100	2	10
119717-32110	2	15
119717-32120	2	16
119717-35140	8	2 -1
119717-39210	8	11

Parts No.	Fig. No.	Ref. No.
119717-42031	9	4
119717-42320	9	11
119717-42350	9	18
119717-44740	9	25
119717-49800	9	27
119717-51150	6	17
119717-51420	10	85
119717-51711	10	76
119717-51750	10	77
119717-51761	10	78
119717-51860	10	89 -1
119717-51930	11	81 -1
119717-61050	11	2
119717-61060	11	3
119717-61070	11	4
119717-77800	4	57
119717-77801	4	57 -1
119717-77820	4	1
119734-01590	2	4
119734-02220	3	3 -1
119740-13100	5	1
119740-49800	9	27 -1
119744-59560	12	31
119802-03100	4	41
119802-03110	4	42
119802-03121	4	43
119802-03131	4	44
119802-03141	4	45
119802-13620	5	4
119802-32130	2	17
119802-77200	15	32
119810-02941	1	32
119810-55340	13	7
119810-55650	13	12
119813-59950	12	35
119833-55620	13	5
119833-55630	13	30
119833-55640	13	31
119833-55650	13	33
119833-55660	13	22 -1
		34
119833-55670	13	35
119C10-42000	9	1 -1
119C10-42320	9	11 -1
121120-01620	3	15
121250-44901	9	29
121250-55620	13	11
121254-55510	13	8
121257-55720	13	23
121257-55731	13	24

Parts No. Index

Parts No.	Fig. No.	Ref. No.
121520-34810	8	16
121850-51960	2	22
	16	5
122710-51090	10	9
123501-79240	15	6
123900-13620	5	8
124060-01050	1	5
124064-55510	13	20
124066-59100	12	32
124085-02220	3	3
124160-01751	2	30
	4	36
124160-01910	1	8
124465-44950	9	20
	16	21
124574-44761	9	26
124732-77340	15	1
124950-21600	7	12
129001-32320	2	13
129001-32330	2	14
129005-59830	8	12
129052-79270	15	17
129053-55640	13	24 -1
129053-55650	13	23 -1
129100-01580	3	1
	7	2
129100-35140	8	2
129100-52200	10	95
129129-77230	14	5
129129-77240	14	6
129129-77260	14	8
129129-77270	14	9
129129-77320	14	13
129129-77340	14	16
129129-77350	14	17
129129-77362	14	18
129129-77380	14	20
129129-77390	14	22
129129-77400	14	25
129129-77410	14	26
129129-77430	14	31
129129-77440	14	23
129129-77450	14	24
129129-77460	14	12
129150-11230	4	30
129150-11750	4	32
129150-25301	6	15
129150-49360	9	28
	16	7
129150-59120	12	15

Parts No.	Fig. No.	Ref. No.
129150-59131	12	18
129155-51020	10	5
129155-51280	10	42
		43
	11	6
129155-51400	10	57
129155-51580	10	73
129155-51701	10	75
129155-52051	10	94
129155-61460	11	77
129155-77925	15	36
129211-77920	15	37
129240-77200	15	3
129240-77710	15	27
129240-79300	15	28
129240-79310	15	4
129242-55750	13	29 B
129242-55760	13	29 C
129335-55700	13	15
129335-55740	13	20 -1
129335-55750	13	15 -1
129335-55770	13	29 A
129335-55780	13	28 -1
129350-49530	9	23
129407-77210	14	3
129407-77220	14	4
129407-77300	14	10
129407-77330	14	14
129407-77410	14	28
129508-11180	4	18
129612-42310	9	19 -1
129612-42340	9	19
129612-52100	13	4
129900-07900	4	58
129900-32130	2	12
129901-11450	4	3
	16	9
129901-53800	12	4
129901-59560	12	30
	16	22
129916-49740	9	12
129972-77341	15	30
158552-61700	11	61
158552-61900	11	82
158600-51270	10	41
158600-51410	10	58
158600-51420	10	59
158600-51570	10	72
158600-51790	10	79
171056-49120	9	17

Parts No.	Fig. No.	Ref. No.
171081-55910	13	28
22190-080002	8	13
		15
	16	18
22190-100002	11	78
22190-120002	12	41
	13	3
	16	23
22190-160002	3	9
	10	80
	16	8
22217-060000	10	81
22217-120000	10	81 A
22242-000120	4	33
22252-000220	7	23
22351-050010	10	82
22351-060012	4	22
22372-040000	11	80
22512-040120	7	5
22857-500100	4	51
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22857-500160	4	53
23414-080000	9	14
	16	20
23418-060000	13	29
23857-030000	8	14
23876-005000	4	14
23876-030000	2	7 A
23887-100002	11	81
24311-000320	2	31
	4	54
	16	6
24311-000440	13	21 -1
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24311-240100	13	14
		16
26022-050122	10	86
26106-060102	8	9
	11	69
		83
26106-060122	2	23
	3	10
	6	9
26106-060142	11	84
26106-060162	2	24
26106-060202	4	55
	9	22
	11	85
26106-060252	3	11
26106-060352	6	14

Parts No.	Fig. No.	Ref. No.
26106-060402	2	25
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26106-060452	3	12
	11	86
26106-060602	2	27
26106-060652	2	28
26106-060752	4	56
26106-080122	9	15
26106-080162	4	59
26106-080202	9	21
	15	31
26106-080402	4	35
26106-080502	9	16
26106-100252	14	1
26106-100502	15	29
26206-100252	3	14
26206-100302	3	15 -1
26306-080002	2	29
	5	6
26366-080002	11	70
26577-060122	9	9
26716-060002	10	89
26716-120002	10	89 A
26756-060002	11	88
26979-050162	4	34
27241-120000	1	14
27241-250000	9	10
719515-01560	1	1
719534-92600	16	1
719540-51440	10	1
719717-02901	1	38
719717-02911	1	35
719734-01500	2	5
X0280210230	14	30
X0283060061	14	7
X0283270140	14	27
X0283712350	14	29
X1280996600	14	21
X9490561370	14	19
X9491200240	14	15
X9491730461	14	11