

0CD50-M06571EN

P R E F A C E

This parts catalog is the 2nd edition of 3TNV80F-NXDKTFX for Tong Yang Moolsan Co., Ltd..

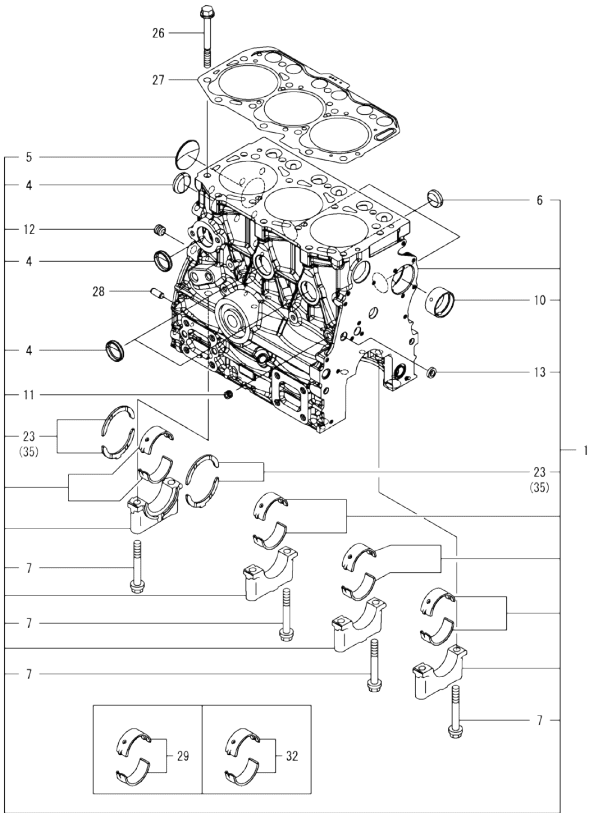
Published : February, 2021

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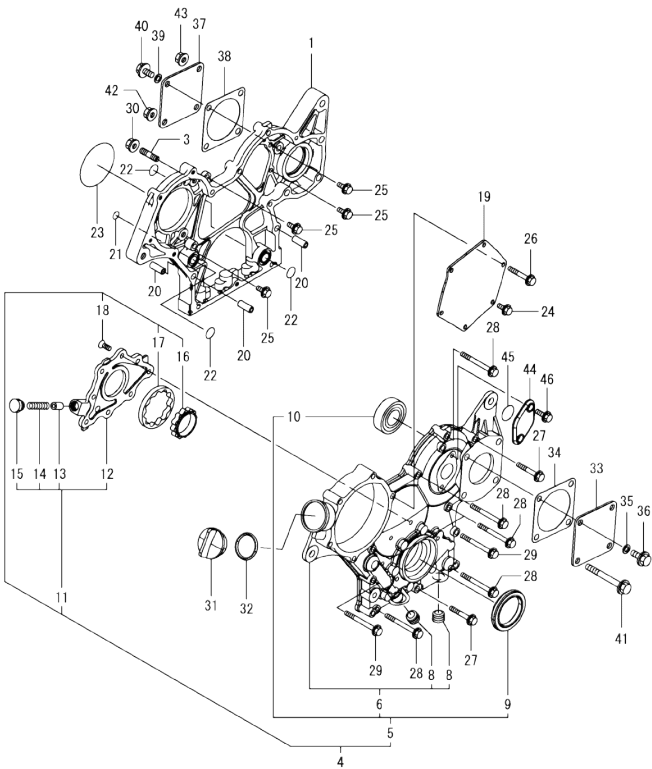
Fig.1. CYLINDER BLOCK



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E00-01560	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	METAL ASSY, THRUST	2							
26	1	119810-01200	BOLT, CYLINDER HEAD	14							
27	1	119E10-01330	GASKET SET, HEAD	1							
28	1	129100-01580	PIN, PARALLEL 8X16	2							
29	1	719717-02901	METAL ASSY, MAIN	4							1
32	1	719717-02911	METAL ASSY, MAIN .25	4							2
35	1	119810-02941	METAL ASSY, 0.25 OS	2							3

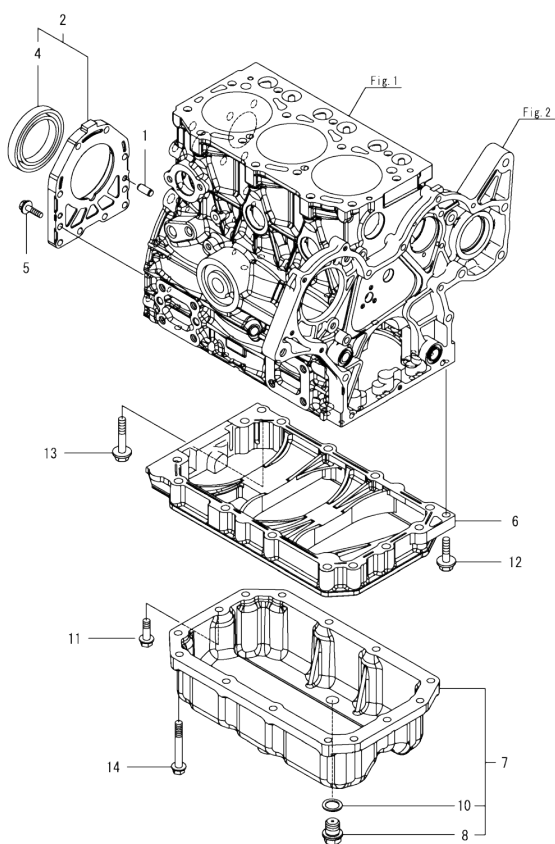
Fig.2. GEAR HOUSING



(A)=3TNV80F-NXDKTFX
(B)=
(C)=

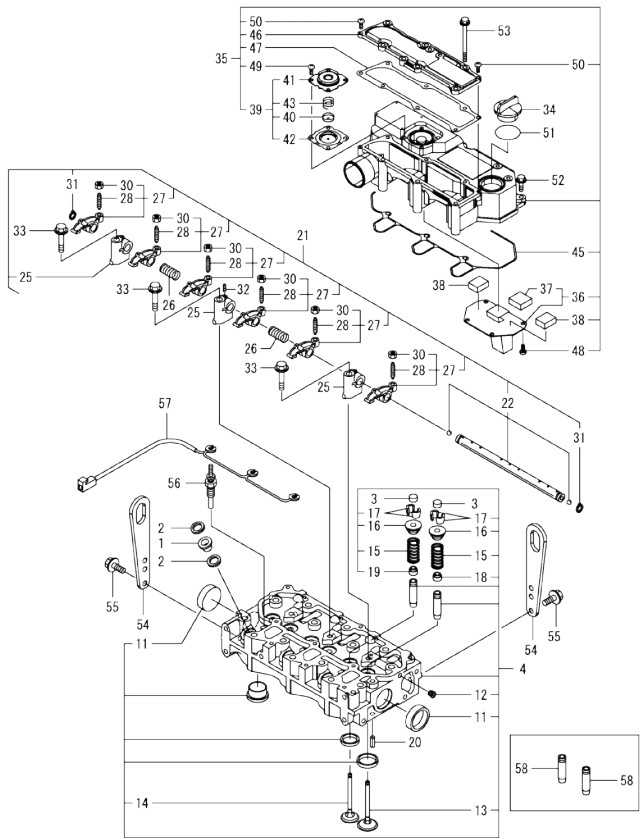
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119740-01501	CASE, GEAR	1							
3	1	119717-01570	STUD	3							
4	1	119751-01590	COVER ASSY, CASE	1							
5	2	719751-01500	COVER ASSY, CASE	1							
6	3	119751-01521	COVER, GEAR CASE	1							
8	4	23876-030000	PLUG, R03	2							
9	3	119717-01800	SEAL, OIL	1							
10	3	24101-062024	BEARING, BALL 6202	1							
11	2	119717-32100	COVER ASSY, PUMP	1							
12	3	119717-32080	COVER, OIL PUMP	1							
13	3	129900-32130	VALVE, RELIEF	1							
14	3	129001-32320	SPRING	1							
15	3	129001-32330	PLUG	1							
16	2	119717-32110	ROTOR, INNER	1							
17	2	119717-32120	ROTOR, OUTER	1							
18	2	119802-32130	SCREW, M6X16	8							
19	1	119717-01750	COVER, PUMP	1							
20	1	119660-01911	PIPE, KNOCK 6X17	4							
21	1	119624-32040	O-RING, P12.0	1							
22	1	119717-32050	O-RING, P17.0	3							
23	1	121850-51960	O-RING, FUEL PUMP	1							
24	1	26106-060122	BOLT, M6X 12 PLATED	1							
25	1	26106-060162	BOLT, M6X 16 PLATED	4							
26	1	26106-060402	BOLT, M6X 40 PLATED	4							
27	1	26106-060402	BOLT, M6X 40 PLATED	2							
28	1	26106-060602	BOLT, M6X 60 PLATED	7							
29	1	26106-060652	BOLT, M6X 65 PLATED	2							
30	1	26306-080002	NUT, M8	3							
31	1	124160-01751	CAP, FILLER	1							
32	1	24311-000320	O-RING, 1AP32.0	1							
33	1	124240-01871	COVER, HYDRAULIC PUMP	1							
34	1	129C26-01890	GASKET, PUMP	1							
35	1	22190-080002	WASHER, SEAL 8	1							
36	1	26106-080142	BOLT, M8X 14 PLATED	1							
37	1	124240-01871	COVER, HYDRAULIC PUMP	1							
38	1	129C26-01890	GASKET, PUMP	1							
39	1	22190-080002	WASHER, SEAL 8	1							
40	1	26106-080142	BOLT, M8X 14 PLATED	1							
41	1	26106-080702	BOLT, M8X 70 PLATED	3							
42	1	26306-080002	NUT, M8	1							
43	1	26306-080002	NUT, M8	2							
44	1	121023-01551	COVER, TACHOMETER	1							
45	1	24341-000240	O-RING, 1AS24.0	1							
46	1	26106-060162	BOLT, M6X 16 PLATED	2							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119620-01620	PIN, PARALLEL M6X10	2							
2	1	119718-01640	CASE ASSY, OIL SEAL	1							
4	2	119734-02220	SEAL, OIL WHEEL SIDE	1							
5	1	26106-060222	BOLT, M6X 22 PLATED	10							
6	1	119717-01720	SPACER, OIL PAN	1							
7	1	119E10-01790	OIL PAN ASSY	1							
8	2	105425-01690	PLUG, DRAIN M16	2							
10	2	22190-160002	WASHER, SEAL 16	2							
11	1	26106-080252	BOLT, M8X 25 PLATED	1							
12	1	26106-080302	BOLT, M8X 30 PLATED	1							
13	1	26106-080452	BOLT, M8X 45 PLATED	1							
14	1	26106-080602	BOLT, M8X 60 PLATED	13							

Fig.4. CYLINDER HEAD & BONNET

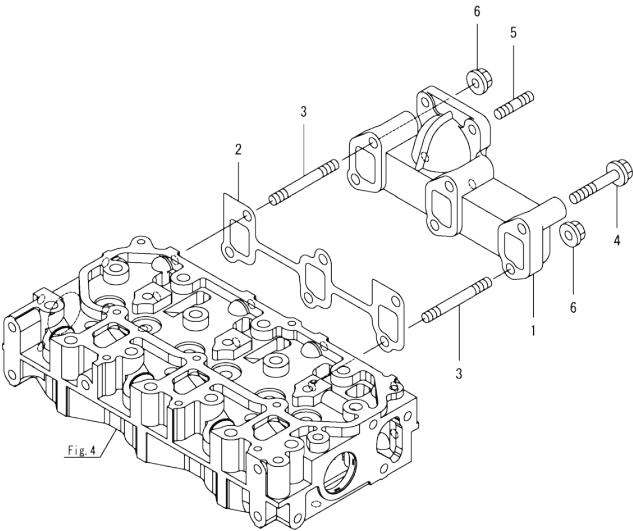


Remarks
(1)Spare parts.

(A)=3TNV80F-NXDKTFX
(D)=
(E)=
(F)=

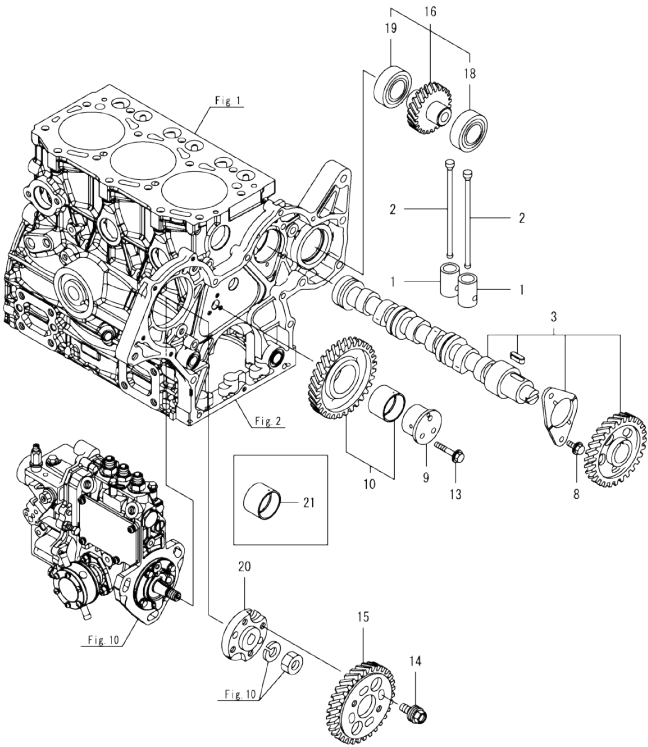
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129901-11450	PROTECTOR, NOZZLE	3							
2	1	119600-11460	GASKET, NOZZLE	6							
3	1	105010-11490	CAP, VALVE	6							
4	1	119E10-11750	HEAD ASSY, CYLINDER	1							
11	2	119285-11990	PLUG, 35	2							
12	2	23876-005000	PLUG, R005	1							
13	2	119E10-11100	VALVE, INTAKE	3							
14	2	119E10-11110	VALVE, EXHAUST	3							
15	2	119717-11131	SPRING, VALVE	6							
16	2	129508-11180	RETAINER, SPRING	6							
17	2	119717-11190	COTTER, VALVE	12							
18	2	119717-11340	SEAL, VALVE STEM	3							
19	2	119717-11350	SEAL, VALVE STEM	3							
20	1	22351-060012	PIN, SPRING 6.0X12	2							
21	1	119717-11200	SUPPORT ASSY, ROCKER	1							
22	2	119717-11240	SHAFT ASSY, ARM	1							
25	2	119717-11260	SUPPORT, ROCKER ARM	3							
26	2	119620-11280	SPRING, SHAFT	2							
27	2	119717-11650	ARM ASSY, ROCKER INT	6							
28	3	129150-11230	SCREW, VALVE ADJUST	6							
30	3	129150-11750	NUT, M8XP1.0	6							
31	2	22242-000120	RING, 12	2							
32	2	119260-11270	SCREW	1							
33	1	26106-080402	BOLT, M8X 40 PLATED	3							
34	1	124160-01751	CAP, FILLER	1							
35	1	119717-11381	BONNET ASSY, HEAD	1							
36	2	119717-03031	PLATE, BAFFLE	1							
37	3	119717-03070	BAFFLE, BREATHER	1							
38	2	119717-03070	BAFFLE, BREATHER	2							
39	2	119802-03100	DIAPHRAGM ASSY	1							
40	3	119802-03110	PLATE, DIAPHRAGM	1							
41	3	119802-03121	COVER, DIAPHRAGM	1							
42	3	119802-03131	DIAPHRAGM, BREATHER	1							
43	3	119802-03141	SPRING, DIAPHRAGM	1							
45	2	119718-11310	GASKET, BONNET	1							
46	2	119717-11320	COVER, BONNET	1							
47	2	119717-11331	GASKET, BONNET COVER	1							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500100	SCREW, 5X10	4							
50	2	22857-500160	SCREW, 5X16	2							
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	129900-07900	LIFTER, ENGINE	2							
55	1	26106-080162	BOLT, M8X 16 PLATED	4							
56	1	119717-77801	PLUG, GLOW	3							
57	1	119717-77820	CONNECTOR, GLOW PLUG	1							
58	1	119717-11800	GUIDE, VALVE	6							1

OCD50-M06571 ENGINE
Fig.5. EXHAUST MANIFOLD



				OCD50-M06571 Fig.5							
				(A)=3TNV80F-NXDKTFX				(D)=			
				(B)=				(E)=			
				(C)=				(F)=			
							Q'ty				
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, MANIFOLD	1							
3	1	119717-13600	STUD, M8X50	2							
4	1	129E00-13610	BOLT, M8X50 10.9	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							

Fig.6. CAMSHAFT & DRIVING GEAR

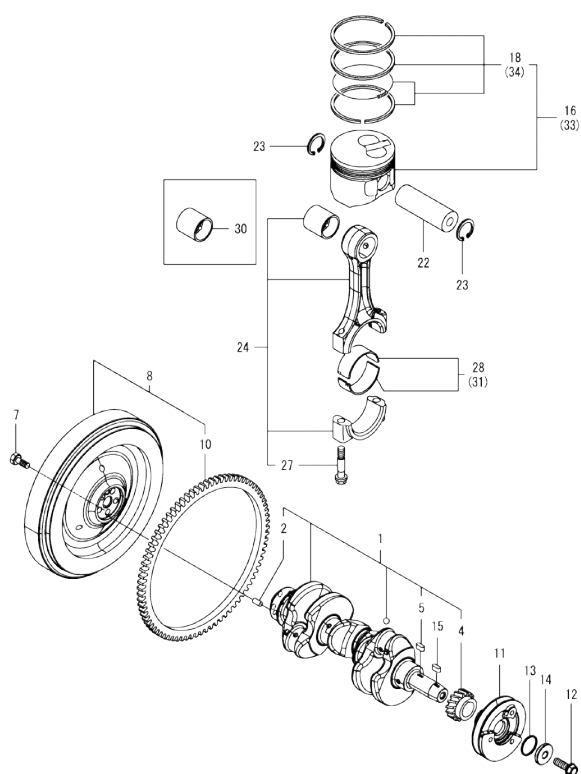


(A)=3TNV80F-NXDKTFX
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	6							
2	1	119717-14400	ROD, PUSH	6							
3	1	119717-14581	CAMSHAFT ASSY	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119717-25050	SHAFT, IDLE GEAR	1							
10	1	119717-25101	GEAR ASSY, IDLE	1							
13	1	26106-060352	BOLT, M6X 35 PLATED	3							
14	1	129150-25301	BOLT, INJECTION PUMP	4							
15	1	119717-25930	GEAR, PUMP	1							
16	1	119717-26000	GEAR ASSY, PUMP	1							
18	2	129350-26490	BEARING, BALL 16005	1							
19	2	24104-060054	BEARING, BALL 6005UU	1							
20	1	119717-51150	FLANGE, CAMSHAFT	1							
21	1	119717-25911	BUSH, IDLE GEAR	1							1

Remarks
(1)Spare parts.

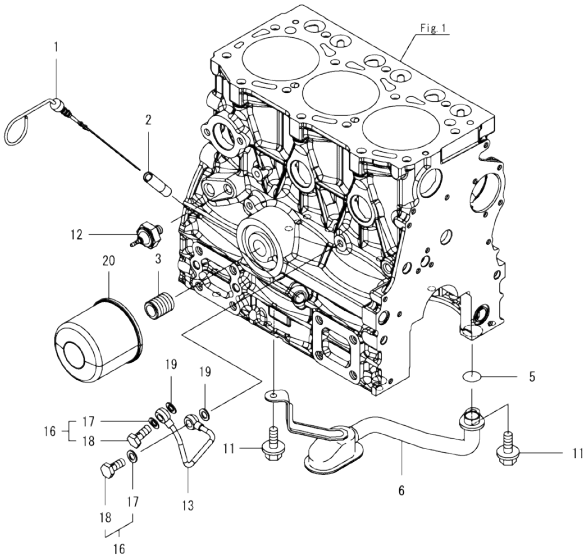


Remarks
(1) Spare parts.
(2) Under-sized (U.S.=0.25) parts.
(3) Over-sized (O.S.=0.25) parts.

0CD50-M06571 Fig.7									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	119E10-21700	CRANKSHAFT ASSY	1					
2	2	129100-01580	PIN, PARALLEL 8X16	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	119E10-21590	FLYWHEEL ASSY	1					
10	2	119865-21600	GEAR, RING Z=116	1					
11	1	119C10-21650	V-PULLEY, CRANKSHAFT	1					
12	1	119621-21681	BOLT, FLANGE 12X1.25	1					
13	1	119C10-21931	PACKING, WASHER	1					
14	1	119C10-21940	WASHER, V-PULLEY	1					
15	1	22512-040120	KEY, 4X 12	1					
16	1	119E11-22080	PISTON ASSY	3					
18	2	119E10-22500	RING SET, PISTON	3					
22	1	119E10-22300	PIN, PISTON	3					
23	1	22252-000220	RING, 22	6					
24	1	119E10-23001	ROD ASSY, CONNECTING	3					
27	2	119717-23200	BOLT, CONNECTING ROD	6					
28	1	119717-23601	METAL ASSY,CRANK PIN	3					
30	1	119717-23911	BUSH, PISTON PIN	3					1
31	1	119717-23611	METAL ASSY, PIN .25	3					2
33	1	119E11-22900	PISTON ASSY, .025 OS	3					3
34	2	119E10-22550	RING SET, PISTON .25	3					3

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. LUB. OIL SYSTEM



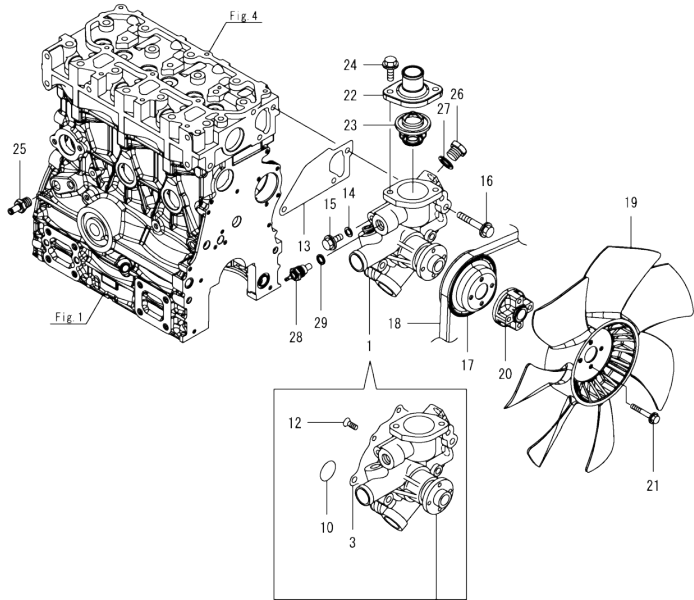
Remarks
(1)Spare parts.

(A)=3TNV80F-NXDKTFX
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119751-34830	DIPSTICK, LUB.OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	119717-35140	STUD	1							
5	1	119717-32060	O-RING, P15.0	1							
6	1	119751-35080	PIPE ASSY, OIL INLET	1							
11	1	26106-060102	BOLT, M6X 10 PLATED	2							
12	1	114250-39450	SWITCH, HYDRAULIC	1							
13	1	119717-39210	PIPE, PUMP	1							
16	1	129005-59830	BOLT ASSY, JOINT M8	2							
17	2	22190-080002	WASHER, SEAL 8	2							
18	2	23857-030000	BOLT, JOINT 3	2							
19	1	22190-080002	WASHER, SEAL 8	2							
20	1	119305-35151	FILTER ASSY, D68XL65	1							1

Fig.9. COOLING WATER SYSTEM



(A)=3TNV80F-NXDKTFX
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E10-42001	PUMP ASSY, CW	1							
3	2	119717-42031	GASKET, WATER PUMP	1							
10	2	119C10-42320	O-RING, 2028	1							
12	2	26577-060122	SCREW, M6X12	4							
13	1	119717-42020	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	119717-42350	V-PULLEY, PUMP D=100	1							
18	1	25152-003700	V-BELT, A37	1							
19	1	119717-44740	FAN, COOLING D=335X7	1							
20	1	171353-44760	SPACER, FAN 25MM	1							
21	1	26106-060402	BOLT, M6X 40 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	121550-49111	JOINT, PT1/4	1							
26	1	121450-42450	PLUG, M16	1							
27	1	124465-44950	GASKET, 16	1							
28	1	124250-49351	SENSOR, WATER TEMP.	1							
29	1	129150-49360	GASKET, 10	1							

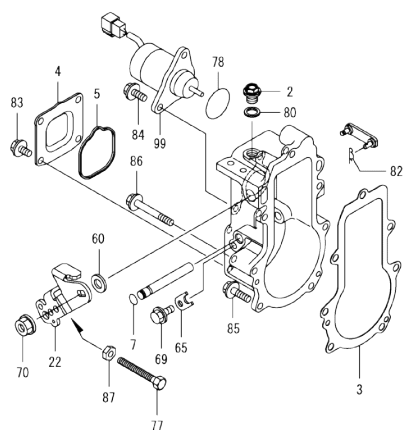


Fig.11. GOVERNOR

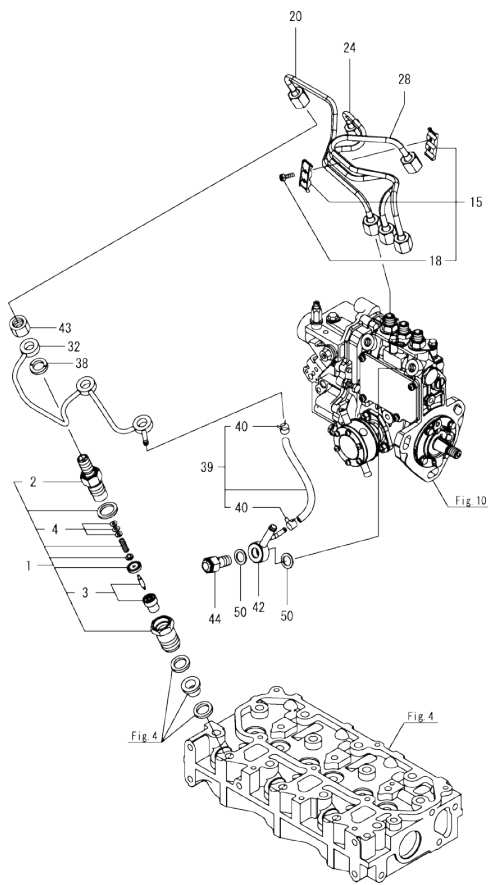
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						(A)=3TNV80F-NXDKTFX		(D)=	
						(B)=		(E)=	
						(C)=		(F)=	
No.	Lev.	Parts No.	Description	Qty					
				(A)	(B)	(C)	(D)	(E)	(F)
2	2	119717-51930	PLUG, M10	1	1				
3	2	119717-61050	GASKET, CASE	1					
4	2	119717-61060	COVER, GOVERNOR CASE	1					
5	2	119717-61070	GASKET, COVER	1					
7	2	129155-51280	O-RING, S6	1					
22	2	119515-61440	LEVER, CONTROL	1					
60	2	158552-61700	SHIM SET	1					
65	2	119660-61901	STOPPER, SHAFT	1					
69	2	26106-060102	BOLT, M6X 10 PLATED	1					
70	2	26366-080002	NUT, M8	1					
77	2	129155-61461	BOLT,IDLE LIMIT	1					
78	2	158552-61900	O-RING	1					
80	2	22190-100002	WASHER, SEAL 10	1					
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	119740-61470	NUT	1					
99	2	129630-77900	SOLENOID, STOP	1					

Remarks

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

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.12. FUEL INJECTION VALVE



Remarks
(1)Spare parts.

(A)=3TNV80F-NXDKTFX
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119C10-53000	VALVE ASSY,INJECTION	3							
2	2	118200-53010	HOLDER, NOZZLE	3							
3	2	119C10-53010	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	119E10-59810	PIPE ASSY, INJECTION	1							
24	1	119E10-59820	PIPE, INJECTION NO.2	1							
28	1	119E10-59830	PIPE, INJECTION NO.3	1							
32	1	119717-59510	PIPE ASSY, RETURN	1							
38	1	129901-59560	GASKET, FUEL RETURN	3							
39	1	119540-59570	HOSE ASSY, RETURN	1							
40	2	124066-59100	CLAMP, HOSE 8	2							
42	1	119840-59570	JOINT, OVERFLOW	1							
43	1	119620-59700	NUT, NOZZLE RETURN	3							
44	1	119813-59950	VALVE ASSY, CHECK	1							
50	1	22190-120002	WASHER, SEAL 12	2							

Fig.13. FUEL PIPE

(D)=
(E)=

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

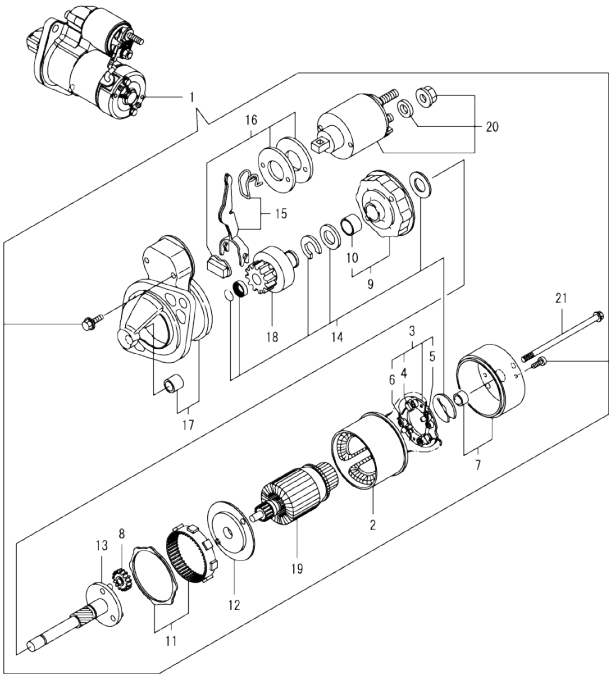
Q'ty	I	R
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(C) (D) (E) (F)



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.14. STARTER MOTOR

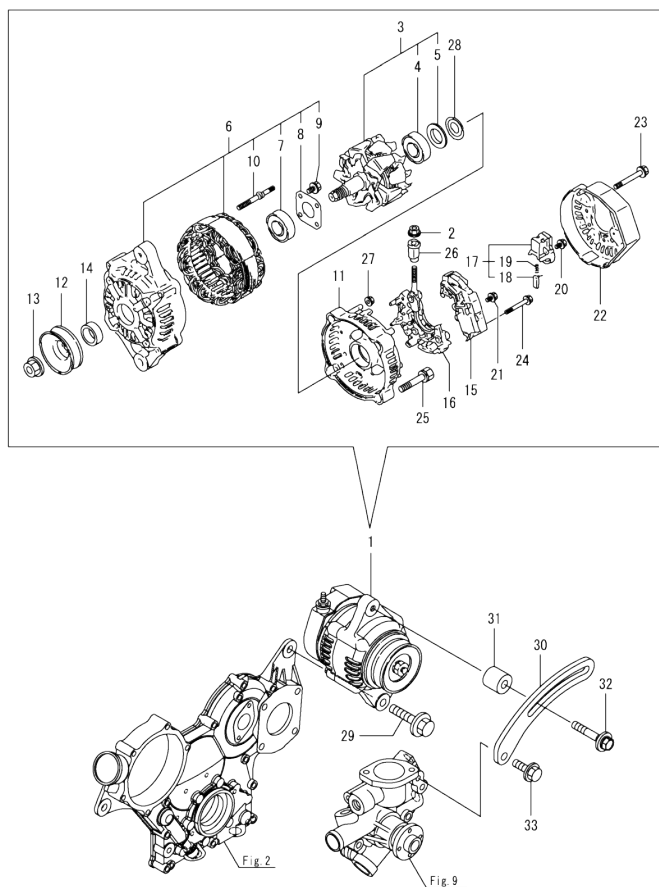


Remarks
(1)Loose parts.

(A)=3TNV80F-NXDKTFX
(B)=
(C)=

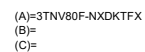
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-77010	STARTER ASSY, 1.2KW	1							1
2	2	129698-77110	YOKE ASSY	1							
3	2	129698-77120	HOLDER ASSY, BRUSH	1							
4	3	129698-77130	BRUSH	2							
5	3	129698-77140	BRUSH SET	1							
6	3	129698-77150	SPRING, BRUSH	4							
7	2	129698-77161	COVER ASSY, STARTER	1							
8	2	119125-77170	GEAR, PLANETARY	3							
9	2	129698-77180	BRACKET, CENTER P	1							
10	3	129698-77190	BRACKET, CENTER	1							
11	2	119125-77200	GEAR, INTERNAL	1							
12	2	119125-77210	BRACKET, CENTER A	1							
13	2	119125-77230	SHAFT, PINION	1							
14	2	129698-77250	WASHER SET	1							
15	2	119125-77270	LEVER SET, SHIFT	1							
16	2	119125-77280	COVER KIT, DUST	1							
17	2	119125-77520	CASE ASSY, GEAR	1							
18	2	119125-77660	PINION ASSY	1							
19	2	119125-77710	ARMATURE ASSY	1							
20	2	119125-77760	SWITCH ASSY, MAGNET	1							
21	2	124195-77770	BOLT, THROUGH	2							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129423-77210	ALTERNATOR, 12V-40A	1							
2	2	129240-79310	NUT	1							
3	2	119620-77380	ROTOR ASSY	1							
4	3	123501-79240	BEARING, BALL	1							
5	3	119620-79250	COVER, BEARING	1							
6	2	119620-77421	FRAME ASSY, DRIVE	1							
7	3	119620-79200	BEARING, BALL	1							
8	3	119620-79210	PLATE, RETAINER	1							
9	3	119620-79220	SCREW	4							
10	3	119620-79230	STUD	2							
11	2	119620-77440	FRAME ASSY, REAR	1							
12	2	119620-77461	PULLEY, GENERATOR	1							
13	2	119620-77471	NUT	1							
14	2	119620-77490	COLLAR	1							
15	2	129423-77730	REGULATOR ASSY	1							
16	2	119620-79260	HOLDER ASSY	1							
17	2	129052-79270	HOLDER ASSY, BRUSH	1							
18	3	119620-77480	BRUSH ASSY, SUB	2							
19	3	119620-79280	SPRING	2							
20	2	119620-79290	SCREW	6							
21	2	119620-79300	SCREW	1							
22	2	129240-79300	COVER	1							
23	2	119620-79310	BOLT	3							
24	2	119620-79320	SCREW, W/WASHER	2							
25	2	119620-79330	BOLT	2							
26	2	119620-79340	BUSH, INSULATION	1							
27	2	119620-79350	NUT	2							
28	2	119620-79360	WASHER, THRUST	1							
29	1	26106-100452	BOLT, M10X 45 PLATED	1							
30	1	119515-77330	ADJUSTER, BELT	1							
31	1	124732-77340	SPACER, ADJUSTER	1							
32	1	129972-77341	BOLT, ADJUSTER L=50	1							
33	1	26106-080202	BOLT, M8X 20 PLATED	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

[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:Q'ty Change
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105311-01090	1	4
105425-01690	3	8
110250-55610	16	10
114110-07761	16	1
114250-39450	8	12
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