

0CD50-M00580EN

P R E F A C E

This parts catalog is the 1st edition of 3TNV80F-SDSA.

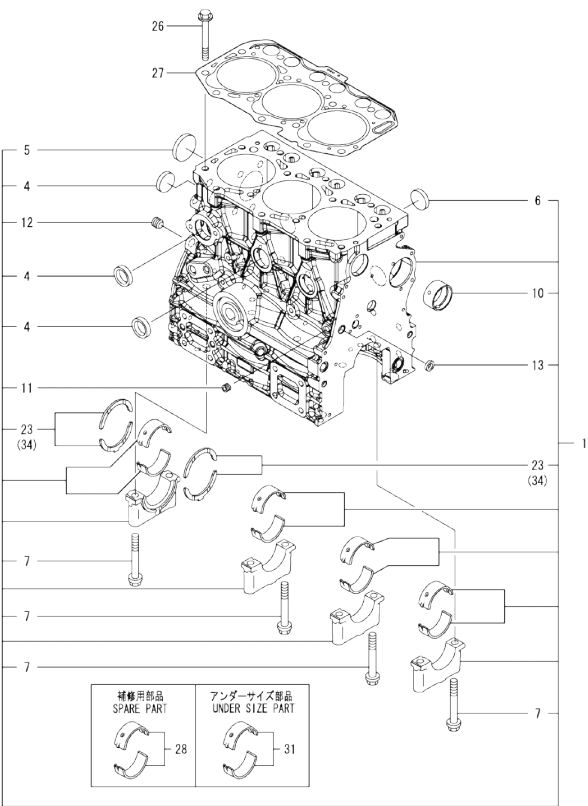
Published : August, 2014

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OCD50-M00580 3TNV80F-SDSA
Fig.1. CYLINDER BLOCK

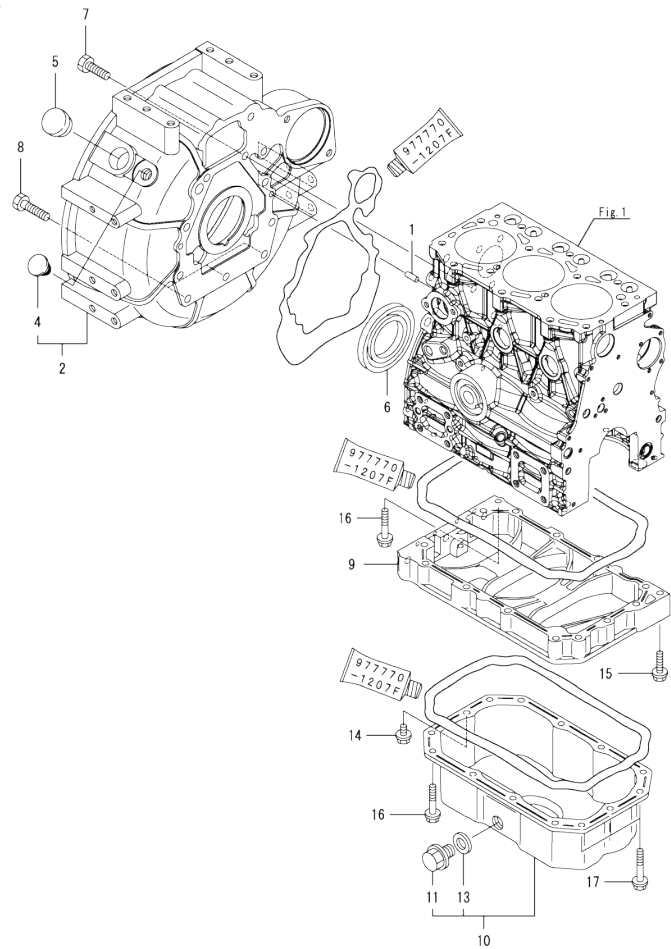


Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

							OCD50-M00580 Fig.1				
							(A)=3TNV80F-SDSA		(D)=		
							(B)=		(E)=		
							(C)=		(F)=		
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	BEARING, THRUST	2							
26	1	119810-01200	BOLT, HEAD	14							
27	1	119E10-01330	GASKET SET, 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

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



OCD50-M00580 Fig.3

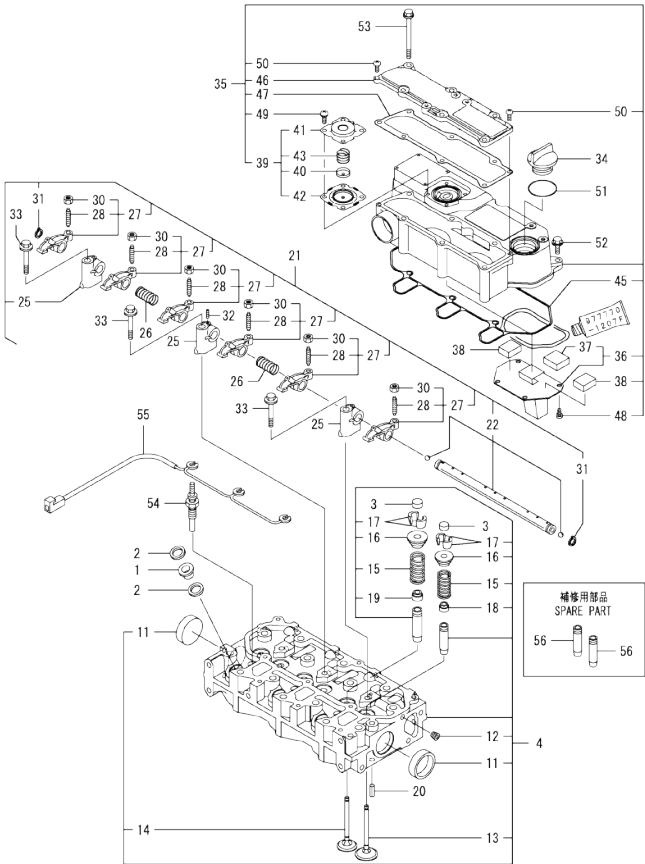
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, 8X16	2							
2	1	119717-01611	HOUSING, FLYWHEEL	1							
4	2	119888-01850	PLUG, RUBBER	1							
5	1	119620-01750	CAP	1							
6	1	124085-02220	SEAL, OIL	1							
7	1	26206-100252	BOLT, M10X 25 PLATED	8							
8	1	26206-100302	BOLT, M10X 30 PLATED	3							
9	1	119717-01720	SPACER, OIL SUMP	1							
10	1	119717-01770	SUMP ASSY, OIL	1							
11	2	105425-01690	PLUG, 16	1							
13	2	22190-160002	WASHER, SEAL 16	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	1							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080452	BOLT, M8X 45 PLATED	11							
17	1	26106-080502	BOLT, M8X 50 PLATED	3							

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

OCD50-M00580 Fig.4

(A)=3TNV80F-SDSA
(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, SUCTION	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	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, ARM	1							
22	2	119717-11240	SHAFT ASSY, ROCKER	1							
25	2	119717-11260	SUPPORT, ROCKER ARM	3							
26	2	119620-11280	SPRING	2							
27	2	119717-11650	ARM, ROCKER	6							
28	3	129150-11230	SCREW, VALVE ADJUST	6							
30	3	129150-11750	NUT, M8	6							
31	2	22242-000120	RING, 12	2							
32	2	26979-050162	SCREW, M5X16	1							
33	1	26106-080402	BOLT, M8X 40 PLATED	3							
34	1	124160-01751	COVER, FILLER	1							
35	1	119717-11381	BONNET ASSY, HEAD	1							
36	2	119717-03031	PLATE	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	1							
41	3	119802-03121	COVER, DIAPHRAGM	1							
42	3	119802-03131	DIAPHRAGM	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	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	119717-77801	PLUG, GLOW	3							
55	1	119717-77820	CONNECTOR, GLOW PLUG	1							
56	1	119717-11800	GUIDE, VALVE	6							1

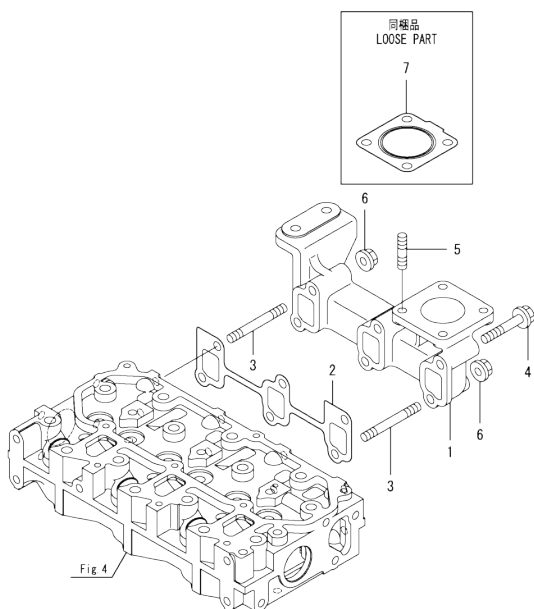
N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. EXHAUST MANIFOLD

(D)=
(E)=

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

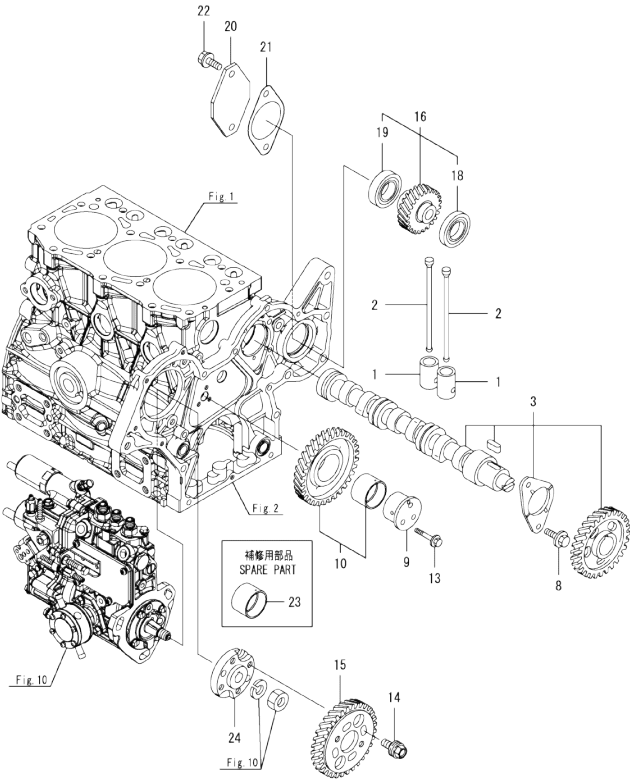
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-13109	MANIFOLD, EXHAUST	1							
2	1	119717-13110	GASKET	1							
3	1	119717-13600	STUD, M8X50	2							
4	1	119802-13620	BOLT, M8X50	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	119515-13200	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:Qty Change

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Fig.6. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare parts.

OCD50-M00580 Fig.6

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

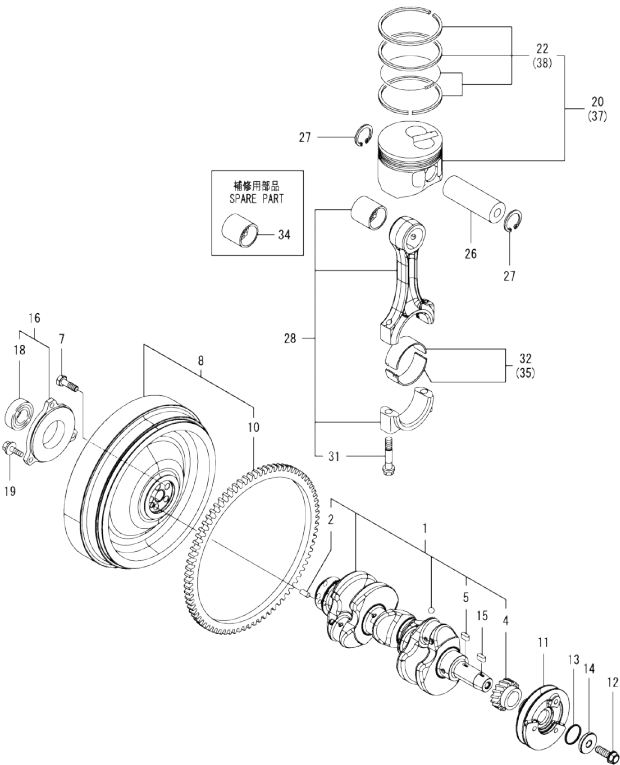
(D)=
(E)=
(F)=

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	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	119744-26000	GEAR ASSY, PUMP	1							
18	2	129350-26490	BEARING, BALL 16005	1							
19	2	24104-060054	BEARING, BALL 6005UU	1							
20	1	119742-26071	COVER	1							
21	1	119742-26080	GASKET	1							
22	1	26106-080162	BOLT, M8X 16 PLATED	2							
23	1	119717-25911	BUSH, IDLE GEAR	1							1
24	1	119717-51150	FLANGE	1							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.7. CRANKSHAFT & PISTON



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

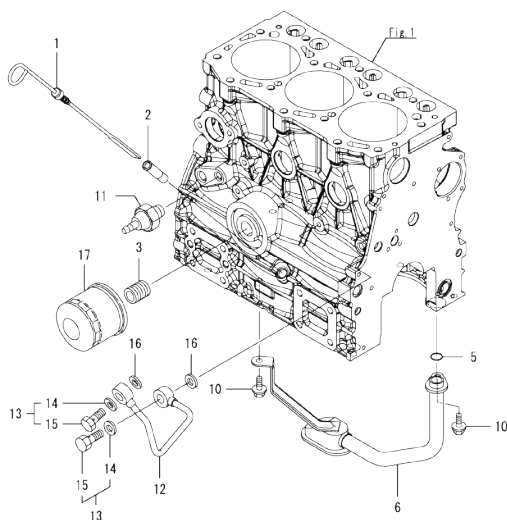
OCD50-M00580 Fig.7

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E10-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, 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	119E17-21570	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	119C10-21650	V-PULLEY, CRANKSHAFT	1							
12	1	119621-21681	BOLT, FLANGE 12X1.25	1							
13	1	119C10-21930	PACKING, WASHER	1							
14	1	119C10-21940	WASHER, V-PULLEY	1							
15	1	22512-040120	KEY, 4X 12	1							
16	1	119888-21450	RETAINER, BEARING	1							
18	2	24104-062054	BEARING, BALL 6205UU	1							
19	1	26106-080222	BOLT, M8X 22 PLATED	3							
20	1	119E10-22080	PISTON ASSY	3							
22	2	119E10-22500	RING ASSY	3							
26	1	119E10-22300	PIN, PISTON	3							
27	1	22252-000220	RING, 22	6							
28	1	119E10-23000	ROD ASSY, CONNECTING	3							
31	2	119717-23200	BOLT, CONNECTING ROD	6							
32	1	119717-23601	BEARING, CRANK PIN	3							
34	1	119717-23910	BEARING, PISTON PIN	3							1
35	1	119717-23611	METAL ASSY, 0.25	3							2
37	1	119E10-22900	PISTON ASSY, 0.25 OS	3							3
38	2	119E10-22550	RING ASSY, 0.25	3							3

Fig.8. LUB. OIL SYSTEM



Remarks
(1) Spare parts.

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

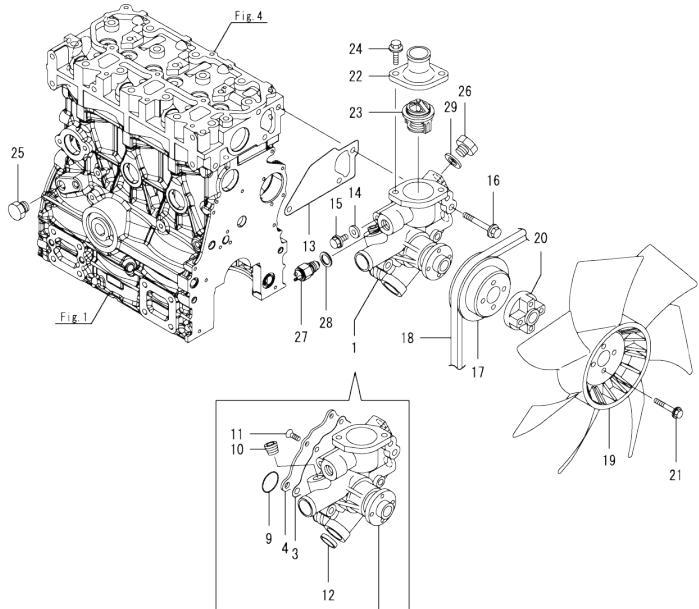
(A)=3TNV80F-SDSA
(B)=
(C)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-34801	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	119717-35080	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 8	2							
15	2	23857-030000	BOLT, JOINT 3	2							
16	1	22190-080002	WASHER, SEAL 8	2							
17	1	119305-35170	FILTER ASSY, D68XL65	1							

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

OCD50-M00580 3TNV80F-SDSA

Fig.9. COOLING WATER SYSTEM



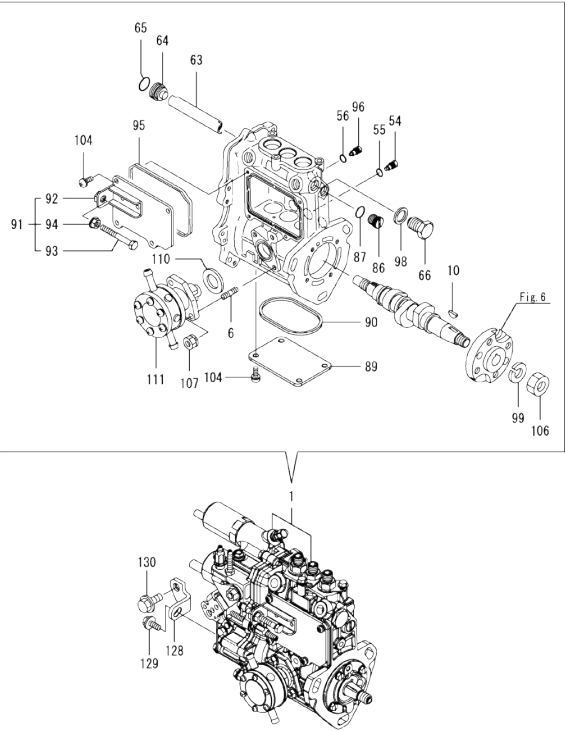
OCD50-M00580 Fig.9

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E10-42000	PUMP ASSY, WATER	1							
3	2	119717-42031	GASKET, WATER PUMP	1							
4	2	119717-42041	COVER, WATER PUMP	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							
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	25132-003700	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							
21-1	1	26106-060352	BOLT, M6X 35 PLATED	4							N
(A=E26184)											
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	171056-49120	PLUG, DRAIN R1/4	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, TEMPERATURE	1							
28	1	124465-44950	GASKET, 16	1							
29	1	124465-44950	GASKET, 16	1							

Fig.10. FUEL INJECTION PUMP



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

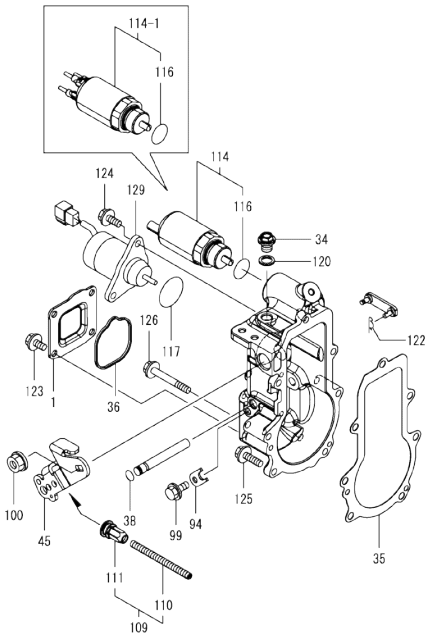
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719E17-51310	FIE ASSY	1							1
6	2	129155-51020	STUD	2							
10	2	122710-51090	KEY, FEATHER	1							
54	2	158600-51270	STOPPER, TAPPET	3							
55	2	129155-51280	O-RING, S6	3							
56	2	129155-51280	O-RING, S6	1							
63	2	129155-51400	PROTECTOR	1							
64	2	158600-51410	PLUG, DEFLIFTER M12	1							
65	2	119717-51420	O-RING	1							
66	2	158600-51420	PLUG, DEFLIFTER M16	1							
86	2	158600-51570	PLUG, RACK	1							
87	2	129155-51580	O-RING	1							
89	2	129155-51701	COVER, PUMP BOTTOM	1							
90	2	119717-51711	GASKET, PUMP	1							
91	2	119E17-51750	COVER ASSY	1							
92	3	119E17-51760	COVER, BODY SIDE	1							
93	3	129155-51460	BOLT, IDLE LIMIT	1							
94	3	26366-060002	NUT, M6	1							
95	2	119717-51761	GASKET, PUMP COVER	1							
96	2	158600-51790	STOPPER, RACK	1							
98	2	22190-160002	WASHER, SEAL 16	1							
99	2	22217-120000	WASHER, SPRING 12	1							
104	2	26022-050122	SCREW, M5X12	8							
106	2	26716-120002	NUT, M12	1							
107	2	119717-51860	NUT, M6	2							
110	2	129155-52051	GASKET, PUMP COVER	1							
111	2	129100-52101	PUMP ASSY, FUEL FEED	1							
128	1	119C10-51250	SUPPORT, FUEL PUMP	1							
128-1	1	119E10-51250	SUPPORT	1							N
(A=E16782)											
129	1	26106-060142	BOLT, M6X 14 PLATED	1							
129-1	1	26106-060162	BOLT, M6X 16 PLATED	1							N
(A=E16782)											
130	1	26106-080142	BOLT, M8X 14 PLATED	1							
130-1	1	26106-080162	BOLT, M8X 16 PLATED	1							N
(A=E16782)											

Remarks

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

Fig.11. GOVERNOR



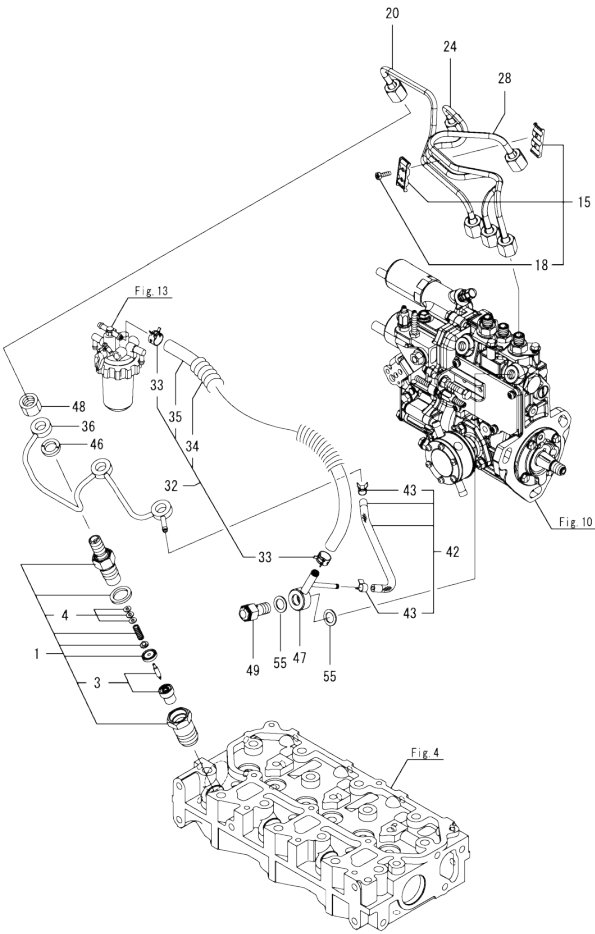
Remarks
* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.10).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	119717-61060	COVER, GOVERNOR CASE	1							
34	2	119717-51930	PLUG, M10	1							
35	2	119717-61050	GASKET, CASE	1							
36	2	119717-61070	GASKET, COVER	1							
38	2	129155-51280	O-RING, S6	1							
45	2	119515-61440	LEVER, CONTROL	1							
94	2	119660-61901	STOPPER, SHAFT	1							
99	2	26106-060102	BOLT, M6X 10 PLATED	1							
100	2	26366-080002	NUT, M8	1							
109	2	119C00-61460	BOLT ASSY	1							
110	3	119C00-61470	SCREW, ADJUSTING	1							
111	3	119C00-61480	NUT, ARB	1							
114	2	119C00-61900	SOLENOID, CONTROL	1							
114-1	2	119C00-61901	SOLENOID, POWER CONT	1							R
(A=E36635)											
116	3	24357-240200	PACKING, 24020	1							
117	2	158552-61900	O-RING	1							
120	2	22190-100002	WASHER, SEAL 10	1							
122	2	22372-040000	PIN, SNAP 4	1							
123	2	26106-060102	BOLT, M6X 10 PLATED	4							
124	2	26106-060142	BOLT, M6X 14 PLATED	2							
125	2	26106-060202	BOLT, M6X 20 PLATED	4							
126	2	26106-060452	BOLT, M6X 45 PLATED	3							
129	2	119653-77950	SOLENOID, STOP	1							

Fig.12. FUEL INJECTION VALVE

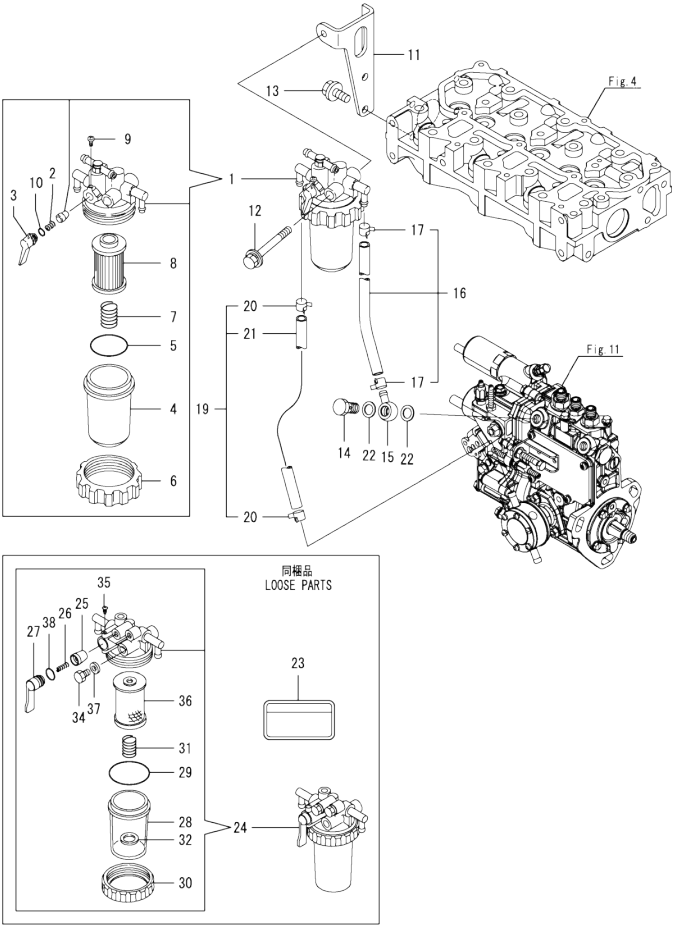


(A)=3TNV80F-SDSA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119C10-53000	NOZZLE ASSY, F.I.	3							
3	2	119C10-53010	NOZZLE ASSY	3							
4	2	129901-53800	SHIM SET, ADJUSTING	3							
15	1	129150-59120	RETAINER, PIPE	1							
18	2	129150-59131	BOLT, M4X14	2							
20	1	119E10-59810	PIPE ASSY,INJ.NO1	1							
24	1	119E10-59820	PIPE ASSY,INJ.NO2	1							
28	1	119E10-59830	PIPE ASSY,INJ.NO3	1							
32	1	129956-59010	PIPE ASSY, FUEL	1							
33	2	124766-59050	CLIP, HOSE 11.5	2							
34	2	129957-59101	TUBE, CORRUGATED	1							
35	2	105225-59511	PIPE, FUEL	1							
36	1	119717-59510	PIPE ASSY, RETURN	1							
42	1	119744-59560	PIPE ASSY, RETURN	1							
43	2	124066-59100	CLIP, HOSE 8	2							
46	1	129901-59560	GASKET	3							
47	1	119740-59590	JOINT, OVER FLOW	1							
48	1	119620-59700	NUT, NOZZLE	3							
49	1	119813-59950	VALVE ASSY, CHECK	1							
55	1	22190-120002	WASHER, SEAL 12	2							

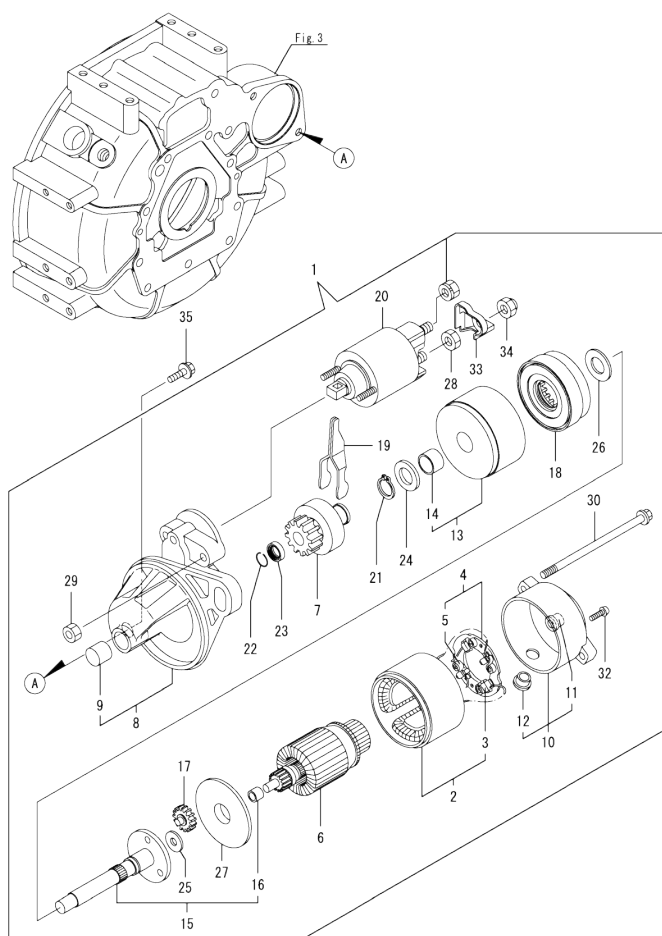
Fig.13. FUEL PIPE



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

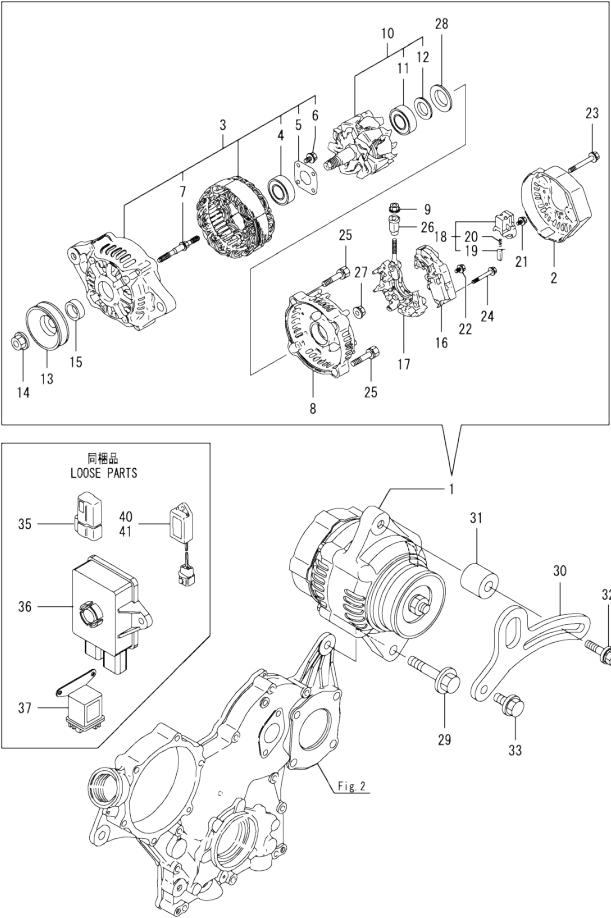
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55621	FILTER ASSY, FUEL	1							
2	2	104200-55330	SPRING, VALVE	1							
3	2	119810-55340	LEVER	1							
4	2	121254-55510	COVER	1							
5	2	102103-55520	O-RING	1							
6	2	110250-55610	RING, RETAINING	1							
7	2	121250-55620	SPRING	1							
8	2	119810-55650	ELEMENT	1							
9	2	104200-55750	SCREW, M4	1							
10	2	24311-240100	O-RING, 1AP10A	1							
11	1	119717-55650	BRACKET, FILTER	1							
12	1	26014-080702	BOLT, M8X 70	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	2							
14	1	103854-39140	BOLT, PIPE JOINT	1							
15	1	101304-59020	JOINT, PIPE 12	1							
16	1	129210-59080	PIPE ASSY, FUEL	1							
17	2	124766-59050	CLIP, HOSE 11.5	2							
19	1	129210-59170	PIPE ASSY, FUEL	1							
20	2	124766-59050	CLIP, HOSE 11.5	2							
21	2	105225-59511	PIPE, FUEL	1							
22	1	22190-120002	WASHER, SEAL 12	2							
23	1	114110-07761	LABEL, FUEL OIL CAUT	1							
24	1	129335-55701	SEPARATOR ASSY, WATER	1							
25	2	104200-55321	VALVE, TAPER	1							
26	2	104200-55330	SPRING, VALVE	1							
27	2	104200-55341	HANDLE	1							
28	2	124064-55510	COVER	1							
29	2	102103-55520	O-RING	1							
30	2	110250-55610	RING, RETAINING	1							
31	2	121257-55720	SPRING	1							
32	2	121257-55731	FLOAT	1							
34	2	101720-55750	PLUG, 6	2							
35	2	104200-55750	SCREW, M4	1							
36	2	171081-55910	SCREEN	1							
37	2	23418-060000	GASKET, 6X1.0	2							
38	2	24311-240100	O-RING, 1AP10A	1							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-77010	STARTER, P.1	1							
2	2	X0281007750	YOKE ASSY	1							
3	3	X0280996180	STARTER KIT	2							
4	2	X0285105190	HOLDER ASSY	1							
5	3	X0285205030	SPRING	4							
6	2	X0282005991	ARMATURE ASSY	1							
7	2	X0283006960	CLUTCH ASSY	1							
8	2	X4284001590	HOUSING ASSY	1							
9	3	X9491050100	BEARING, NEEDLE	1							
10	2	X0285007030	FRAME ASSY	1							
11	3	X9491040990	BEARING	1							
12	3	X0280626010	COVER	1							
13	2	X0284105040	BEARING ASSY	1							
14	3	X9491034330	BEARING	1							
15	2	X0286105010	SHAFT ASSY	1							
16	3	X9491034320	BEARING	1							
17	2	X0286305010	GEAR	3							
18	2	X0286355010	GEAR	1							
19	2	X0287405140	LEVER	1							
20	2	X2534000090	SWITCH ASSY	1							
21	2	X9055715000	RING	1							
22	2	X9490721360	RING	1							
23	2	X0280210331	NUT	1							
24	2	X9490138110	WASHER	1							
25	2	X9490138090	WASHER	1							
26	2	X9490138100	WASHER	1							
27	2	X0284525010	PLATE	1							
28	2	X9490562360	NUT	1							
29	2	X9490560750	NUT	2							
30	2	X9490423420	BOLT, THROUGH	2							
32	2	X9490065670	SCREW, M4X6	2							
33	2	X1280330020	COVER, TERMINAL	1							
34	2	X1289510130	NUT	1							
35	1	26106-100252	BOLT, M10X 25 PLATED	2							

Fig.15. GENERATOR



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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119751-77200	GENERATOR, 12V-40AP	1							
2	2	X0215512440	COVER	1							
3	2	X1214001430	FRAME ASSY, DRIVE	1							
4	3	119620-79200	BEARING, BALL	1							
5	3	119620-79210	PLATE, RETAINER	1							
6	3	119620-79220	SCREW	4							
7	3	119620-79230	STUD	2							
8	2	X1215011050	FRAME ASSY	1							
9	2	X9490561001	NUT	1							
10	2	119620-77380	ROTOR ASSY	1							
11	3	119620-79240	BEARING, BALL	1							
12	3	119620-79250	COVER	1							
13	2	119620-77461	PULLEY	1							
14	2	119620-77471	NUT	1							
15	2	119620-77490	COLLAR	1							
16	2	129423-77710	REGULATOR ASSY	1							
17	2	119620-79260	HOLDER	1							
18	2	129052-79270	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	119620-79360	WASHER, THRUST	1							
29	1	26106-100452	BOLT, M10X 45 PLATED	1							
30	1	119230-77330	ADJUSTER	1							
31	1	124732-77340	SPACER	1							
32	1	129972-77341	BOLT, ADJUSTER L=50	1							
33	1	26106-080202	BOLT, M8X 20 PLATED	1							
35	1	119643-66900	DIODE	1							
36	1	119C10-77600	DRIVER	1							
37	1	119650-77911	RELAY ASSY, GLOW	1							
40	1	129155-77925	TIMER	1							
41	1	129211-77920	TIMER	1							

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101304-59020	13	15
101720-55750	13	34
102103-55520	13	5
		29
103854-39140	13	14
104200-55321	13	25
104200-55330	13	2
		26
104200-55341	13	27
104200-55750	13	9
		35
105010-11490	4	3
105225-59511	12	35
	13	21
105311-01090	1	4
105425-01690	3	11
110250-55610	13	6
		30
114110-07761	13	23
114250-39450	8	11
119131-18320	5	5
119230-77330	15	30
119285-01990	1	6
119285-11990	4	11
119305-35170	8	17
119515-13200	5	7
119515-61440	11	45
119600-11460	4	2
119620-01750	3	5
119620-02020	1	7
119620-11280	4	26
119620-14200	6	1
119620-59700	12	48
119620-77380	15	10
119620-77461	15	13
119620-77471	15	14
119620-77480	15	19
119620-77490	15	15
119620-79200	15	4
119620-79210	15	5
119620-79220	15	6
119620-79230	15	7
119620-79240	15	11
119620-79250	15	12
119620-79260	15	17
119620-79280	15	20
119620-79290	15	21
119620-79300	15	22
119620-79310	15	23
119620-79320	15	24

Parts No.	Fig. No.	Ref. No.
119620-79330	15	25
119620-79340	15	26
119620-79350	15	27
119620-79360	15	28
119621-21681	7	12
119623-01250	1	5
119624-32040	2	18
119643-66900	15	35
119650-77911	15	37
119653-77950	11	129
119660-01911	2	17
119660-61901	11	94
119717-01570	2	2
119717-01611	3	2
119717-01720	3	9
119717-01750	2	16
119717-01770	3	10
119717-01800	2	7
119717-02411	1	10
119717-02930	1	23
119717-03031	4	36
119717-03070	4	37
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119717-11131	4	15
119717-11190	4	17
119717-11200	4	21
119717-11240	4	22
119717-11260	4	25
119717-11320	4	46
119717-11331	4	47
119717-11340	4	18
119717-11350	4	19
119717-11381	4	35
119717-11650	4	27
119717-11800	4	56
119717-13109	5	1
119717-13110	5	2
119717-13600	5	3
119717-14400	6	2
119717-14581	6	3
119717-21200	7	4
119717-23200	7	31
119717-23601	7	32
119717-23611	7	35
119717-23910	7	34
119717-25050	6	9
119717-25101	6	10
119717-25911	6	23
119717-25930	6	15
119717-32050	2	19

Parts No.	Fig. No.	Ref. No.
119717-32060	8	5
119717-32080	2	9
119717-32100	2	8
119717-32110	2	13
119717-32120	2	14
119717-34801	8	1
119717-35080	8	6
119717-35140	8	3
119717-39210	8	12
119717-42020	9	13
119717-42031	9	3
119717-42041	9	4
119717-42350	9	17
119717-44740	9	19
119717-49800	9	23
119717-51150	6	24
119717-51420	10	65
119717-51711	10	90
119717-51761	10	95
119717-51860	10	107
119717-51930	11	34
119717-55650	13	11
119717-59510	12	36
119717-61050	11	35
119717-61060	11	1
119717-61070	11	36
119717-77010	14	1
119717-77801	4	54
119717-77820	4	55
119718-11310	4	45
119740-01521	2	5
119740-01580	2	3
119740-59590	12	47
119742-01500	2	1
119742-26071	6	20
119742-26080	6	21
119744-26000	6	16
119744-59560	12	42
119751-77200	15	1
119802-03100	4	39
119802-03110	4	40
119802-03121	4	41
119802-03131	4	42
119802-03141	4	43
119802-13620	5	4
119802-32130	2	15
119810-01200	1	26
119810-02941	1	34
119810-55340	13	3
119810-55650	13	8

Parts No.	Fig. No.	Ref. No.
119813-59950	12	49
119833-55621	13	1
119865-21600	7	10
119888-01850	3	4
119888-21450	7	16
119C00-61460	11	109
119C00-61470	11	110
119C00-61480	11	111
119C00-61900	11	114
119C00-61901	11	114 -1
119C10-21650	7	11
119C10-21930	7	13
119C10-21940	7	14
119C10-42320	9	9
119C10-51250	10	128
119C10-53000	12	1
119C10-53010	12	3
119C10-77600	15	36
119E00-01560	1	1
119E10-01330	1	27
119E10-11100	4	13
119E10-11110	4	14
119E10-11750	4	4
119E10-21700	7	1
119E10-22080	7	20
119E10-22300	7	26
119E10-22500	7	22
119E10-22550	7	38
119E10-22900	7	37
119E10-23000	7	28
119E10-42000	9	1
119E10-51250	10	128 -1
119E10-59810	12	20
119E10-59820	12	24
119E10-59830	12	28
119E17-21570	7	8
119E17-51750	10	91
119E17-51760	10	92
121023-01551	2	31
121111-21501	7	7
121250-44901	9	27
121250-55620	13	7
121254-55510	13	4
121257-55720	13	31
121257-55731	13	32
121450-42450	9	26
121520-34810	8	2
121850-51960	2	20
122710-51090	10	10
124060-01050	1	11

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Parts No.	Fig. No.	Ref. No.
124064-55510	13	28
124066-59100	12	43
124085-02220	3	6
124160-01751	2	29
	4	34
124160-01910	1	12
124465-44950	9	28
		29
124732-77340	15	31
124766-59050	12	33
	13	17
		20
129001-32320	2	11
129001-32330	2	12
129005-59830	8	13
129052-79270	15	18
129100-01580	3	1
	7	2
129100-52101	10	111
129150-11230	4	28
129150-11750	4	30
129150-25301	6	14
129150-59120	12	15
129150-59131	12	18
129155-51020	10	6
129155-51280	10	55
		56
	11	38
129155-51400	10	63
129155-51580	10	87
129155-51701	10	89
129155-52051	10	110
129155-61460	10	93
129155-77925	15	40
129210-59080	13	16
129210-59170	13	19
129211-77920	15	41
129335-55701	13	24
129350-26490	6	18
129350-49530	9	22
129423-77710	15	16
129508-11180	4	16
129900-32130	2	10
129901-11450	4	1
129901-53800	12	4
129901-59560	12	46
129916-49740	9	10
129956-59010	12	32
129957-59101	12	34
129972-77341	15	32

Parts No.	Fig. No.	Ref. No.
158552-61900	11	117
158600-51270	10	54
158600-51410	10	64
158600-51420	10	66
158600-51570	10	86
158600-51790	10	96
171056-49120	9	25
171081-55910	13	36
171353-44760	9	20
22190-080002	8	14
		16
22190-100002	11	120
22190-120002	12	55
	13	22
22190-160002	3	13
	10	98
22217-120000	10	99
22242-000120	4	31
22252-000220	7	27
22351-060012	4	20
22372-040000	11	122
22512-040120	7	5
		15
22857-500100	4	48
		49
22857-500160	4	50
23414-080000	9	14
23418-060000	13	37
23857-030000	8	15
23876-005000	4	12
23876-030000	2	6
24104-060054	6	19
24104-062054	7	18
24311-000320	2	30
	4	51
24311-240100	13	10
		38
24341-000240	2	32
24357-240200	11	116
25132-003700	9	18
26014-080702	13	12
26022-050122	10	104
26106-060102	8	10
	11	99
		123
26106-060122	2	21
		8
26106-060142	10	129
	11	124
26106-060162	2	22

Parts No.	Fig. No.	Ref. No.
26106-060162	2	33
	10	129 -1
26106-060202	4	52
	11	125
26106-060352	6	13
	9	21 -1
26106-060402	2	23
		24
	9	21
26106-060452	11	126
26106-060602	2	25
26106-060652	2	26
26106-060752	4	53
26106-080122	3	14
	9	15
26106-080142	10	130
26106-080162	6	22
	10	130 -1
	13	13
26106-080202	9	24
	15	33
26106-080222	7	19
26106-080302	3	15
26106-080352	2	27
26106-080402	4	33
26106-080452	3	16
26106-080502	3	17
	9	16
26106-100252	14	35
26106-100452	15	29
26206-100252	3	7
26206-100302	3	8
26306-080002	2	28
	5	6
26366-060002	10	94
26366-080002	11	100
26577-060122	9	11
26716-120002	10	106
26979-050162	4	32
27241-120000	1	13
27241-250000	9	12
719717-02901	1	28
719717-02911	1	31
719740-01510	2	4
719E17-51310	10	1
X0215512440	15	2
X0280210331	14	23
X0280626010	14	12
X0280996180	14	3
X0281007750	14	2

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X0282005991	14	6
X0283006960	14	7
X0284105040	14	13
X0284525010	14	27
X0285007030	14	10
X0285105190	14	4
X0285205030	14	5
X0286105010	14	15
X0286305010	14	17
X0286355010	14	18
X0287405140	14	19
X1214001430	15	3
X1215011050	15	8
X1280330020	14	33
X1289510130	14	34
X2534000090	14	20
X4284001590	14	8
X9055715000	14	21
X9490065670	14	32
X9490138090	14	25
X9490138100	14	26
X9490138110	14	24
X9490423420	14	30
X9490560750	14	29
X9490561001	15	9
X9490562360	14	28
X9490721360	14	22
X9491034320	14	16
X9491034330	14	14
X9491040990	14	11
X9491050100	14	9