

0CD50-M00160EN

P R E F A C E

This parts catalog is the 1st edition of 3TNM72-BKK for Kukje Machinery Co., Ltd.

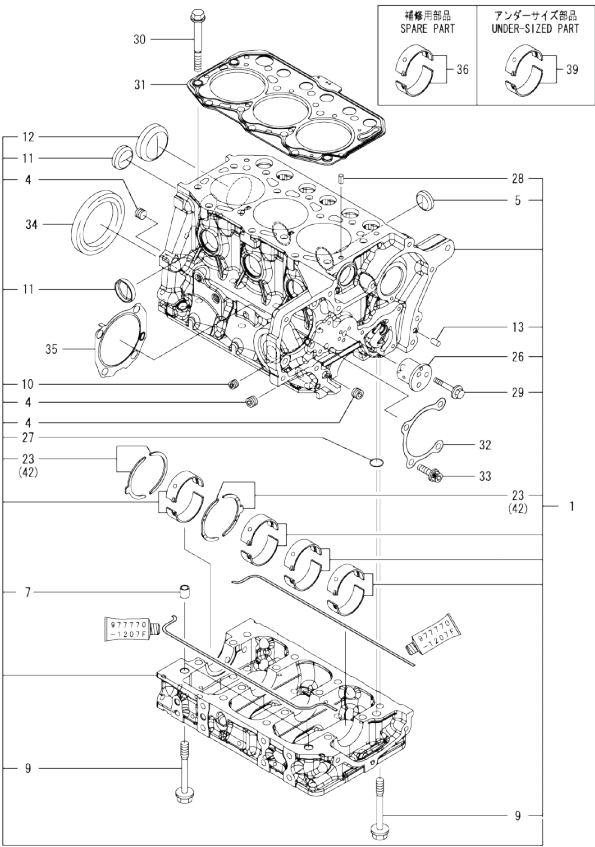
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Fig.1. CYLINDER BLOCK



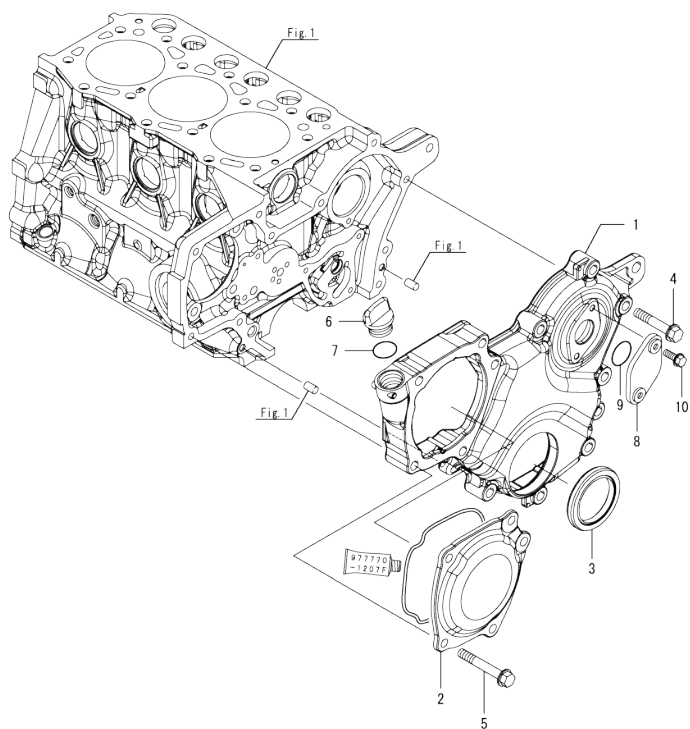
Remarks
(1)Spare parts.
(2)Under-sized (U.S.=0.25) parts.
(3)Over-sized (O.S.=0.25) parts.

(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119027-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	3							
5	2	119125-01970	PLUG, 25	3							
7	2	119125-01960	PIPE, KNOCK	2							
9	2	119125-02061	BOLT, METAL CAP	16							
10	2	23876-005000	PLUG, R005	1							
11	2	27241-300000	PLUG 30	4							
12	2	27241-450000	PLUG, 45	1							
13	2	119620-01620	PIN, M6X10	2							
23	2	119125-02930	BEARING, THRUST	2							
26	2	119125-25050	SHAFT, IDLE GEAR	1							
27	2	129900-32040	O-RING, P14	1							
28	2	22351-060012	PIN, SPRING 6.0X12	2							
29	2	26106-060402	BOLT, M6X 40 PLATED	3							
30	1	119515-01200	BOLT, HEAD	14							
31	1	119025-01332	GASKET, HEAD	1							
32	1	119125-01790	GASKET	1							
33	1	119125-01800	FLANGE BOLT, M8X1.25	4							
34	1	119734-02220	SEAL, OIL	1							
35	1	119125-51800	GASKET	1							
36	1	119125-02900	BEARING, MAIN	4							1
39	1	119125-02910	BEARING, 0.25 US	4							2
42	1	119125-02940	BEARING, THRUST 0.25	2							3

Fig.2. GEAR HOUSING



(D)=
(E)=

				(A)=3TNM72-BKK (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119025-01530	CASE, GEAR	1							
2	1	119125-01750	COVER	1							
3	1	119717-01800	SEAL, OIL	1							
4	1	26106-080352	BOLT, M8X 35 PLATED	8							
5	1	26106-080452	BOLT, M8X 45 PLATED	5							
6	1	106760-01770	CAP	1							
7	1	24311-000180	O-RING, 1AP18.0	1							
8	1	121023-01551	COVER	1							
9	1	24341-000240	O-RING, 1AS24.0	1							
10	1	26106-060162	BOLT, M6X 16 PLATED	2							

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

Fig.3. MOUNTING FLANGE & OIL SUMP



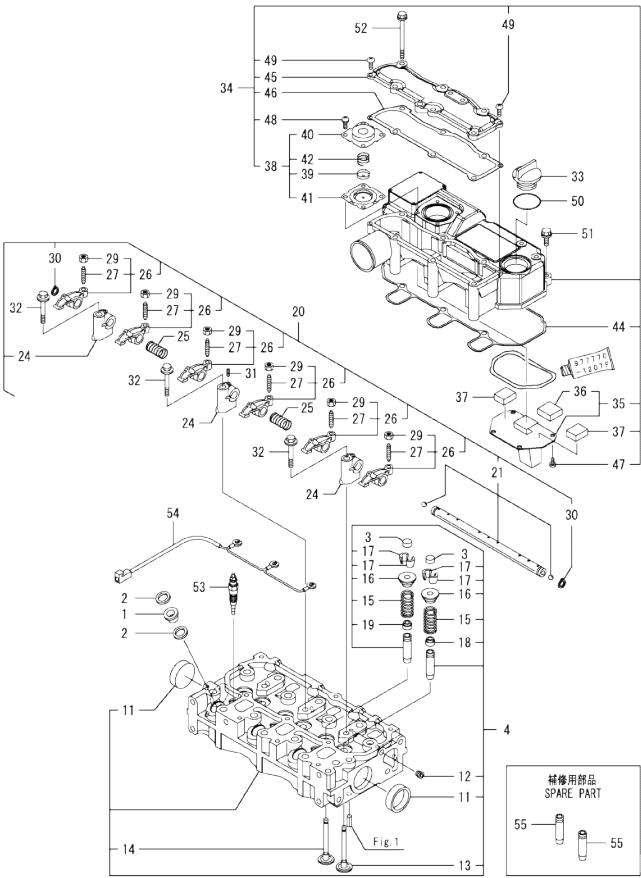
Fig. 1

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.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

OCD50-M00160 Fig.4

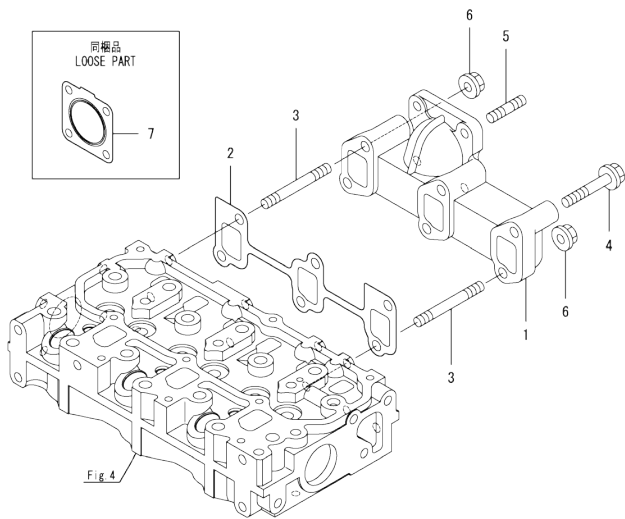
(A)=3TNM72-BKK
(B)=
(C)=

(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	119517-11740	HEAD ASSY, CYLINDER	1							
11	2	119285-11990	PLUG, 35	2							
12	2	23876-005000	PLUG, R005	1							
13	2	119515-11101	VALVE, INTAKE	3							
14	2	119515-11110	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	119515-11200	SUPPORT ASSY, ARM	1							
21	2	119515-11240	SHAFT ASSY, ROCKER	1							
24	2	119717-11260	SUPPORT, ROCKER ARM	3							
25	2	119515-11280	SPRING	2							
26	2	119717-11650	ARM, ROCKER	6							
27	3	129150-11230	SCREW, VALVE ADJUST	6							
29	3	129150-11750	NUT, M8	6							
30	2	22242-000120	RING, 12	2							
31	2	26979-050162	SCREW, M5X16	1							
32	1	26106-080402	BOLT, M8X 40 PLATED	3							
33	1	124160-01751	COVER, FILLER	1							
34	1	119515-11380	BONNET ASSY, HEAD	1							
35	2	119717-03031	PLATE	1							
36	3	119717-03070	BAFFLE, BREATHER	1							
37	2	119717-03070	BAFFLE, BREATHER	2							
38	2	119802-03100	DIAPHRAGM ASSY	1							
39	3	119802-03110	PLATE	1							
40	3	119802-03121	COVER, DIAPHRAGM	1							
41	3	119802-03131	DIAPHRAGM	1							
42	3	119802-03141	SPRING, DIAPHRAGM	1							
44	2	119515-11310	GASKET, BONNET	1							
45	2	119515-11320	COVER, BONNET	1							
46	2	119515-11330	GASKET	1							
47	2	22857-500100	SCREW, 5X10	4							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500160	SCREW, 5X16	2							
50	1	24311-000320	O-RING, 1AP32.0	1							
51	1	26106-060202	BOLT, M6X 20 PLATED	3							
52	1	26106-060752	BOLT, M6X 75 PLATED	6							
53	1	119125-77800	PLUG, GLOW	3							
54	1	119125-77820	CONNECTOR, GLOW PLUG	1							
55	1	119515-11800	GUIDE, VALVE	6							1

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. EXHAUST MANIFOLD

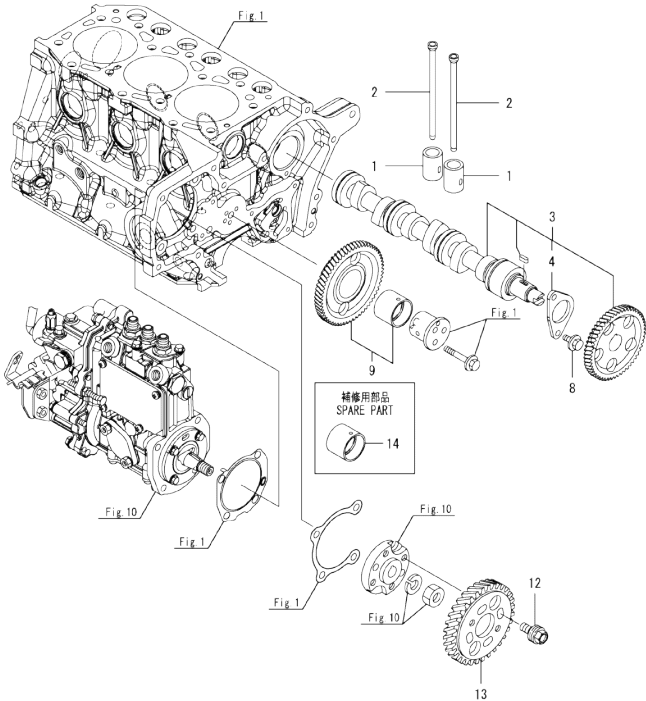


(A)=3TNM72-BKK
(B)=
(C)=

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(E)=
(F)=

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

Fig.6. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare parts.

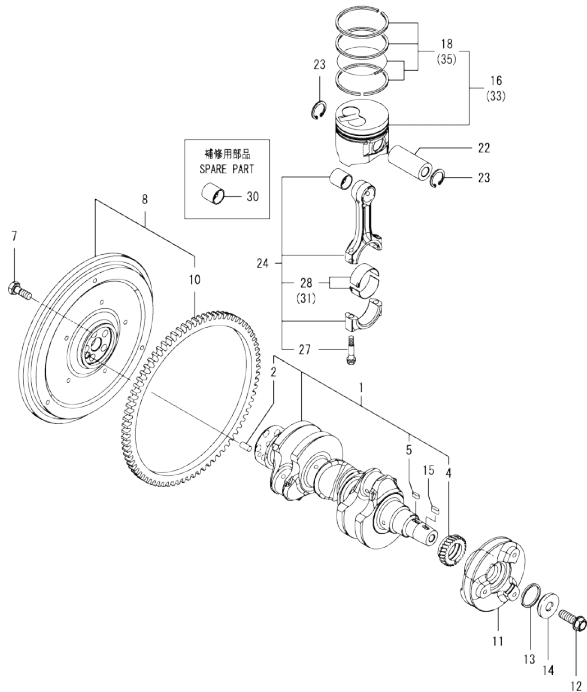
(A)=3TNM72-BKK
(B)=
(C)=

(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	119515-14400	ROD, PUSH	6							
3	1	119025-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119025-25100	GEAR ASSY, IDLE	1							
12	1	129150-25301	BOLT	4							
13	1	119125-25930	GEAR, PUMP	1							
14	1	119125-25910	BUSH, IDLE GEAR	1							1

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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-M00160 Fig.7

(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, 8X16	1							
4	2	119125-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119620-21500	BOLT, FLYWHEEL	5							
8	1	119127-21590	FLYWHEEL ASSY	1							
10	2	124060-21600	GEAR, RING	1							
11	1	119125-21660	V-PULLEY	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	22512-050120	KEY, 5X 12	1							
16	1	119517-22090	PISTON ASSY	3							
18	2	119517-22500	RING SET, PISTON	3							
22	1	119515-22300	PIN, PISTON	3							
23	1	22252-000220	RING, 22	6							
24	1	119515-23000	ROD ASSY, CONNECTING	3							
27	2	119717-23200	BOLT, CONNECTING ROD	6							
28	2	119515-23601	BEARING, CRANK PIN	3							1
30	1	119717-23910	BEARING, PISTON PIN	3							2
31	1	119515-23611	METAL ASSY, 0.25	3							
33	1	119025-22900	PISTON ASSY	3							3
35	2	119609-22950	RING SET, 0.25 OS	3							3

Fig.8. LUB. OIL SYSTEM

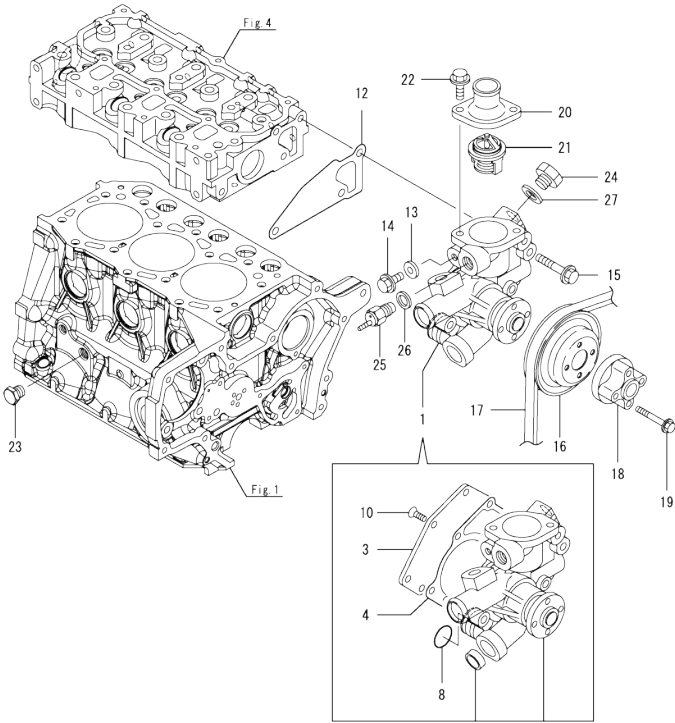


(D)=
(E)=
(F)=

(A)=3TNM72-BKK
(B)=
(C)=

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

Fig.9. COOLING WATER SYSTEM



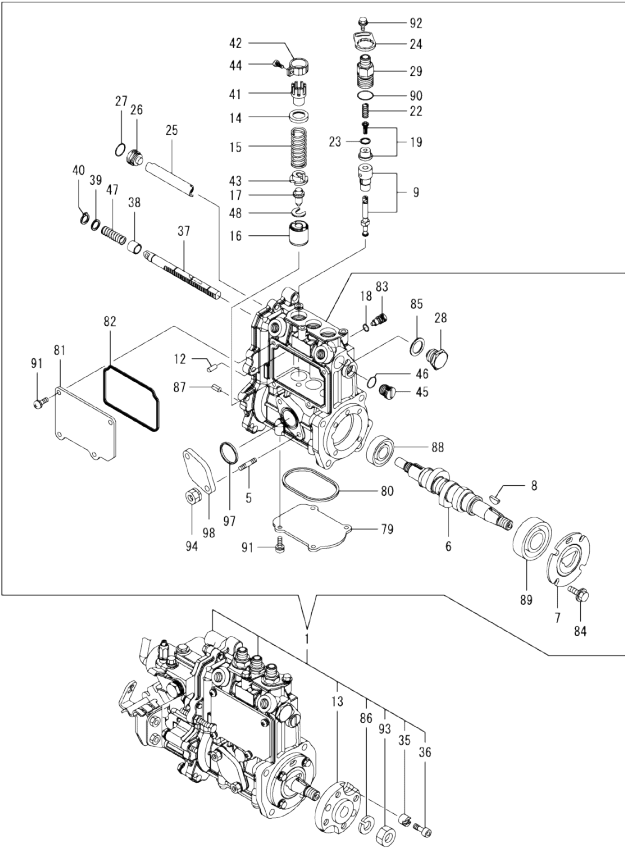
(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-42000	PUMP ASSY, WATER	1							
3	2	119025-42020	COVER	1							
4	2	119025-42030	GASKET, WATER PUMP	1							
8	2	119685-42281	O-RING	1							
10	2	26577-060122	SCREW, M6X12	5							
12	1	119515-42020	GASKET, WATER PUMP	1							
13	1	23414-080000	GASKET, 8X1.0	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	1							
15	1	26106-080452	BOLT, M8X 45 PLATED	3							
16	1	119740-42350	V-PULLEY, D=90	1							
17	1	25132-003500	V-BELT, A35	1							
18	1	129457-44760	SPACER, FAN	1							
19	1	26106-060402	BOLT, M6X 40 PLATED	4							
20	1	129350-49530	COVER, THERMOSTAT	1							
21	1	119717-49800	THERMOSTAT, 71	1							
22	1	26106-080202	BOLT, M8X 20 PLATED	2							
23	1	171056-49120	PLUG, DRAIN	1							
24	1	121450-42450	PLUG, M16	1							
25	1	121250-44901	SWITCH, 110	1							
26	1	124465-44950	GASKET, 16	1							
27	1	124465-44950	GASKET, 16	1							

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Fig.10. FUEL INJECTION PUMP

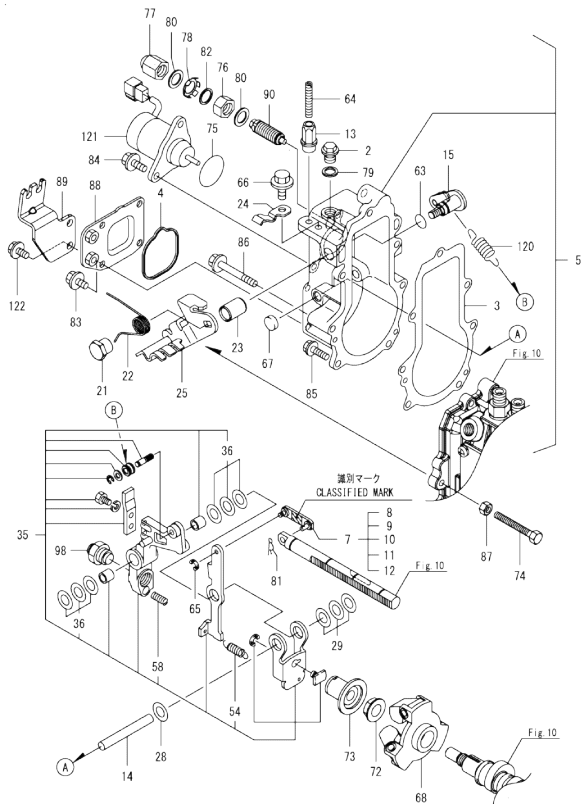


Remarks
(1)Governor(Fig.11)is incorporated in this Fuel Injection Pump (No.1).

										OCD50-M00160 Fig.10	
										(A)=3TNM72-BKK	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719027-51370	FIE ASSY	1							1
5	2	129155-51020	STUD	2							
6	2	119125-51030	CAMSHAFT	1							
7	2	119125-51060	RETAINER, BEARING	1							
8	2	122710-51090	KEY	1							
9	2	119125-51100	PLUNGER ASSY	3							
12	2	129155-51140	PIN	3							
13	2	119717-51150	FLANGE	1							
14	2	158600-51170	RETAINER, SPRING	3							
15	2	119717-51190	SPRING, PLUNGER	3							
16	2	119125-51241	TAPPET	3							
17	2	119125-51250	GUIDE, TAPPET	3							
18	2	129155-51280	O-RING, S6	1							
19	2	119125-51300	VALVE ASSY, DELIVERY	3							
22	2	128990-51330	SPRING, DELIVERY	3							
23	2	124550-51350	GASKET, DELIVERY	3							
24	2	119125-51370	RETAINER	3							
25	2	129155-51400	DEFLECTOR	1							
26	2	158600-51410	PLUG, DEFLECTOR	1							
27	2	119717-51420	O-RING	1							
28	2	158600-51420	PLUG, DEFLECTOR	1							
29	2	158600-51442	VALVE ASSY, DELIVERY	3							
35	2	119125-51481	COLLAR,FIC FIX	1							
36	2	119125-51491	BOLT, FIXATION	1							
37	2	119717-51500	RACK, CONTROL	1							
38	2	119025-51520	BUSH,RACK	1							
39	2	129155-51530	SPACER	1							
40	2	129155-51540	CIRCLIP	1							
41	2	129155-51550	PINION, CONTROL	3							
42	2	129100-51560	PINION	3							
43	2	119717-51570	RETAINER, SPRING	3							
44	2	129100-51570	SCREW	3							
45	2	158600-51570	PLUG	1							
46	2	129155-51580	O-RING	1							
47	2	129155-51591	SPRING, RACK	1							
48	2	129155-51600	SHIM SET, ADJUSTING	3							
79	2	119125-51700	COVER	1							
80	2	119717-51711	GASKET	1							
81	2	119717-51750	COVER	1							
82	2	119717-51761	GASKET	1							
83	2	158600-51790	STOOPER, RACK	1							
84	2	119125-51900	BOLT, 6 X 14	4							
85	2	22190-160002	WASHER, SEAL 16	1							
86	2	22217-120000	WASHER, SPRING 12	1							
87	2	22351-050010	PIN, SPRING 5.0X10	2							
88	2	24101-060034	BEARING, BALL 6003	1							
89	2	24101-063034	BEARING, BALL 6303	1							
90	2	24316-000150	O-RING, 4DP15.0	3							
91	2	26022-050122	SCREW, M5X12	8							
92	2	26106-050102	BOLT, M5X 10 PLATED	3							
93	2	26716-120002	NUT, M12	1							

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



Remarks
* This figure(Governor)is incorporated in the fuel injection pump (Fig.10).
(1)Selective parts, mark; 93
(2)Selective parts, mark; 98
(3)Selective parts, mark; 88
(4)Selective parts, mark; 00
(5)Selective parts, mark; 03

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-51930	PLUG,M10	1							
3	2	119717-61050	GASKET	1							
4	2	119717-61070	GASKET	1							
5	2	119025-61100	CASE ASSY, GOVERNOR	1							
7	3	119125-61110	LINK ASSY	1							
8	4	119125-61120	LINK, MARK 93	1							1
9	4	119125-61130	LINK, MARK 98	1							2
10	4	119125-61140	LINK, MARK 88	1							3
11	4	119125-61150	LINK, MARK 00	1							4
12	4	119125-61160	LINK, MARK 03	1							5
13	3	129209-61370	NUT, M6	1							
14	3	119125-61390	SHAFT	1							
15	3	119125-61401	SHAFT ASSY	1							
21	3	129255-61410	NUT, LOCK	1							
22	3	119534-61420	SPRING	1							
23	3	119125-61430	BUSH	1							
24	3	119534-61430	RETAINER	1							
25	3	119527-61440	LEVER ASSY,REGULATOR	1							
28	3	129156-61460	SHIM, T=0.6	1							
29	3	129155-61480	SPACER ASSY	1							
35	3	119125-61501	LEVER ASSY, GOVERNOR	1							
36	4	174307-51700	SHIM SET	2							
54	4	129486-61540	SPRING, SET	1							
58	4	129100-61650	SPRING, CONTROLLER	1							
63	3	129155-61830	O-RING, S10	1							
64	3	121575-66830	SCREW	1							
65	3	22272-000030	RING, E- 3	1							
66	3	26106-060102	BOLT, M6X 10 PLATED	1							
67	3	27260-120000	PLUG, 12	1							
68	2	119125-61201	WEIGHT ASSY,GOVERNOR	1							
72	2	129008-61301	NUT	1							
73	2	129155-61341	SLEEVE	1							
74	2	129155-61460	BOLT, IDLE	1							
75	2	158552-61900	O-RING	1							
76	2	129209-61920	NUT, ARB	1							
77	2	129209-61930	NUT, CAP	1							
78	2	129209-61970	PLATE	1							
79	2	22190-100002	WASHER, SEAL 10	1							
80	2	22190-120002	WASHER, SEAL 12	2							
81	2	22372-040000	PIN, SNAP 4	1							
82	2	23414-120016	GASKET, 12X1.0	1							
83	2	26106-060102	BOLT, M6X 10 PLATED	4							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060202	BOLT, M6X 20 PLATED	4							
86	2	26106-060452	BOLT, M6X 45 PLATED	3							
87	2	26756-060002	NUT, LOCK M6	1							
88	2	119761-61060	COVER, GOVERNOR CASE	1							
89	2	119734-61080	SUPPORT, WIRE	1							
90	2	119125-61450	LIMITER ASSY, FUEL	1							
98	2	119515-61560	ANGLEICH ASSY	1							
120	2	129100-61730	SPRING, GOVERNOR	1							

Fig.11. GOVERNOR



* This figure(Governor)is incorporated in the fuel injection pump (Fig.10).

- (1) Selective parts, mark; 93
(2) Selective parts, mark; 98
(3) Selective parts, mark; 88
(4) Selective parts, mark; 00
(5) Selective parts, mark; 03

0CD50-M00160 Fig.11

(A)=3TNM72-BKK
(B)=
(C)=

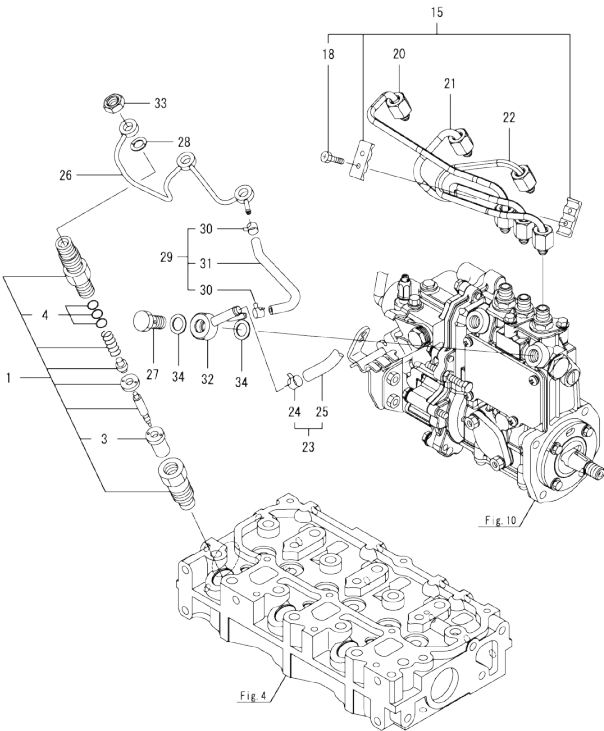
(D)=
(E)=
(F)=

 $Q^{\#}$

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
121	2	119653-77950	SOLENOID, STOP	1							
122	2	26106-060102	BOLT, M6X 10 PLATED	2							

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

Fig.12. FUEL INJECTION VALVE



(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-53001	VALVE ASSY,INJECTION	3							
3	2	119515-53010	VALVE ASSY,INJECTION	3							
4	2	129901-53800	SHIM SET, ADJUSTING	3							1
15	1	129150-59120	RETAINER, PIPE	1							
18	2	129150-59131	BOLT, M4X14	2							
20	1	119025-59810	PIPE, FUEL INJECTION	1							
21	1	119025-59820	PIPE, FUEL INJECTION	1							
22	1	119025-59830	PIPE, FUEL INJECTION	1							
23	1	129210-59140	PIPE ASSY, FUEL	1							
24	2	124766-59050	CLIP, HOSE 11.5	2							
25	2	105230-59510	PIPE, FUEL	1							
26	1	119515-59540	PIPE ASSY, RETURN	1							
27	1	119125-59560	BOLT, PIPE JOINT	1							
28	1	129901-59560	GASKET	3							
29	1	119125-59570	PIPE ASSY, RETURN	1							
30	2	124066-59100	CLIP, HOSE 8	2							
31	2	119000-59550	PIPE, FUEL RETURN	1							
32	1	119840-59570	JOINT	1							
33	1	119620-59700	NUT, NOZZLE	3							
34	1	22190-120002	WASHER, SEAL 12	2							

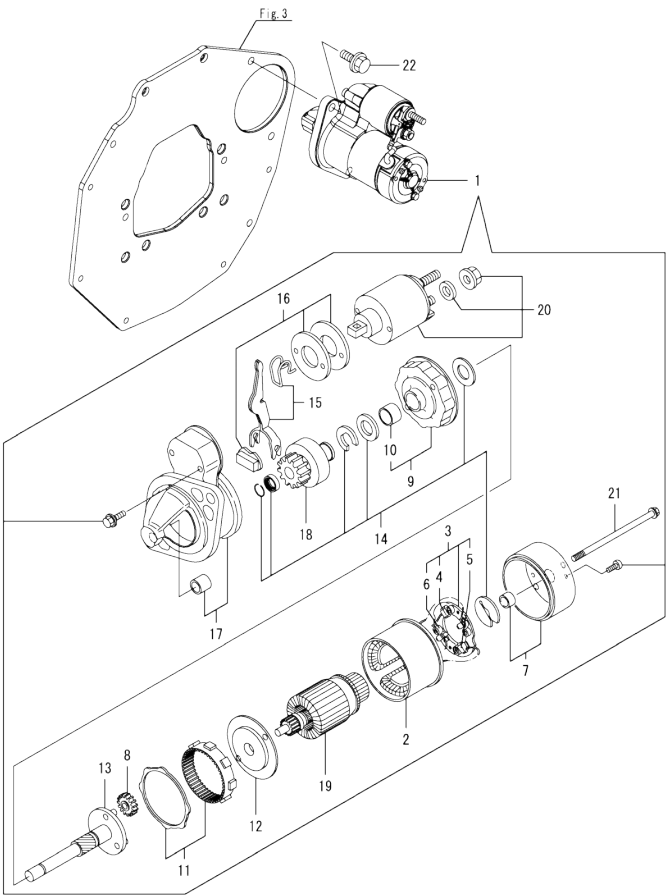
Remarks
(1)Spare parts.



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	119028-55650	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	129210-59230	PIPE ASSY, FUEL	1							
17	2	124766-59050	CLIP, HOSE 11.5	2							
18	2	129555-59511	PIPE, FUEL	1							
19	1	22190-120002	WASHER, SEAL 12	2							
20	1	129335-55701	SEPARATOR ASSY, WATER	1							
21	2	104200-55321	VALVE, TAPER	1							
22	2	104200-55330	SPRING, VALVE	1							
23	2	104200-55341	HANDLE	1							
24	2	124064-55510	COVER	1							
25	2	102103-55520	O-RING	1							
26	2	110250-55610	RING, RETAINING	1							
27	2	121257-55720	SPRING	1							
28	2	121257-55731	FLOAT	1							
30	2	101720-55750	PLUG, 6	2							
31	2	104200-55750	SCREW, M4	1							
32	2	171081-55910	SCREEN	1							
33	2	23418-060000	GASKET, 6X1.0	2							
34	2	24311-240100	O-RING, 1AP10A	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:Qty Change

Fig.14. STARTING MOTOR

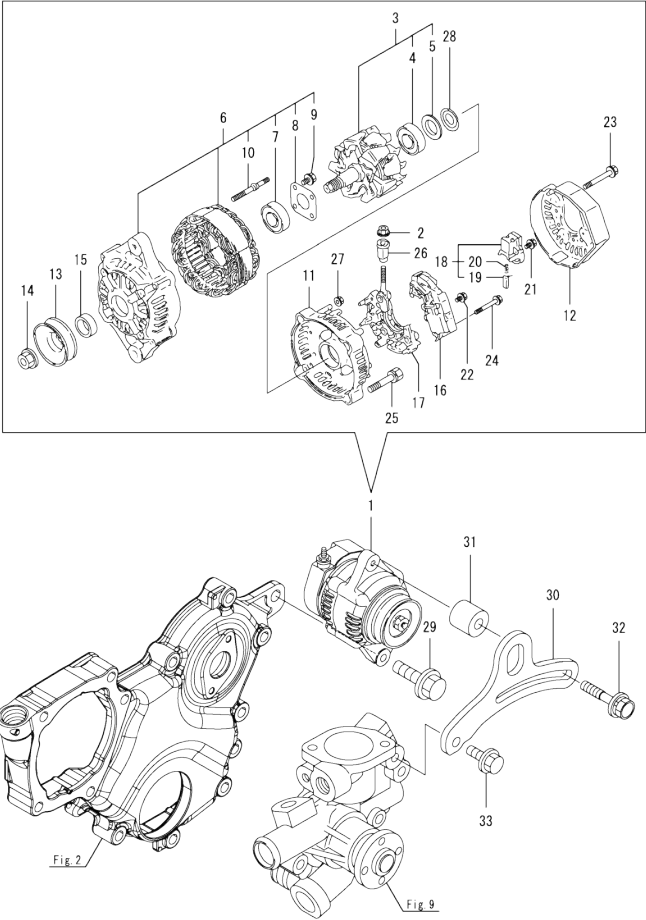


(A)=3TNM72-BKK
(B)=
(C)=

(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							
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	1							
8	2	119125-77170	GEAR	3							
9	2	129698-77180	BRACKET	1							
10	3	129698-77190	BRACKET	1							
11	2	119125-77200	GEAR, INTERNAL	1							
12	2	119125-77210	BRACKET	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 ASSY	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	1							
21	2	124195-77770	BOLT, THROUGH	2							
22	1	26106-100252	BOLT, M10X 25 PLATED	2							

OCD50-M00160 3TNM72-BKK
Fig.15. GENERATOR



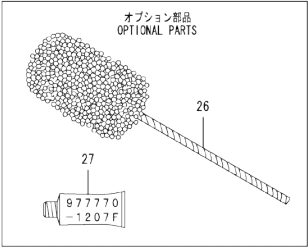
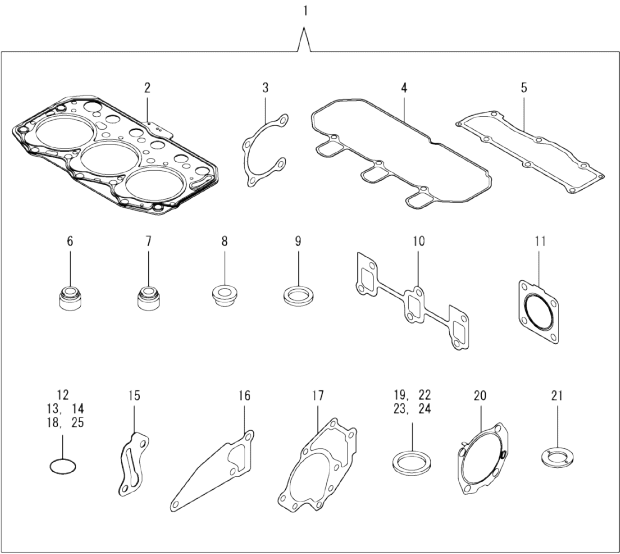
OCD50-M00160 Fig.15

(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129423-77200	GENERATOR, 12V-40A	1							
2	2	X9490561001	NUT	1							
3	2	119620-77380	ROTOR ASSY	1							
4	3	123501-79240	BEARING, BALL	1							
5	3	119620-79250	COVER	1							
6	2	119620-77421	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	1							
12	2	129240-79300	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	26106-100402	BOLT, M10X 40 PLATED	1							
30	1	119125-77320	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							

Fig.16. GASKET SET



Remarks
(1)Optional parts.

(A)=3TNM72-BKK
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119025-92600	GASKET SET	1							1
2	2	119025-01332	GASKET, HEAD	1							
3	2	119125-01790	GASKET	1							
4	2	119515-11310	GASKET, BONNET	1							
5	2	119515-11330	GASKET	1							
6	2	119717-11340	SEAL, VALVE STEM	3							
7	2	119717-11350	SEAL, VALVE STEM	3							
8	2	129901-11450	PROTECTOR, NOZZLE	3							
9	2	119600-11460	GASKET, NOZZLE	6							
10	2	119717-13110	GASKET	1							
11	2	119515-13200	GASKET, SILENCER	1							
12	2	129900-32040	O-RING, P14	1							
13	2	119125-34900	O-RING	1							
14	2	119209-35030	O-RING, P11	1							
15	2	119125-39220	GASKET	1							
16	2	119515-42020	GASKET, WATER PUMP	1							
17	2	119025-42030	GASKET, WATER PUMP	1							
18	2	119209-42320	O-RING, P21 EPDM	1							
19	2	124465-44950	GASKET, 16	1							
20	2	119125-51800	GASKET	1							
21	2	129901-59560	GASKET	3							
22	2	22190-120002	WASHER, SEAL 12	5							
23	2	22190-160002	WASHER, SEAL 16	1							
24	2	23414-080000	GASKET, 8X1.0	1							
25	2	24311-000180	O-RING, 1AP18.0	2							
26	1	129400-92410	HONE	1							1
27	1	977770-1207F	GASKET,LIQUID	1							1

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101304-59020	13	15
101720-55750	13	30
102103-55520	13	5
	25	
103854-39140	13	14
104200-55321	13	21
104200-55330	13	2
	22	
104200-55341	13	23
104200-55750	13	9
	31	
105010-11490	4	3
105230-59510	12	25
105425-01690	3	5
106760-01770	2	6
110250-55610	13	6
	26	
114250-39450	8	14
119000-59550	12	31
119025-01332	1	31
	16	2
119025-01530	2	1
119025-01770	3	4
119025-14580	6	3
119025-21700	7	1
119025-22900	7	33
119025-25100	6	9
119025-34800	8	3
119025-35080	8	9
119025-42000	9	1
119025-42020	9	3
119025-42030	9	4
	16	17
119025-51520	10	38
119025-59810	12	20
119025-59820	12	21
119025-59830	12	22
119025-61100	11	5
119025-92600	16	1
119027-01560	1	1
119028-55650	13	11
119125-01750	2	2
119125-01780	3	8
119125-01790	1	32
	16	3
119125-01800	1	33
119125-01960	1	7
119125-01970	1	5
119125-02061	1	9
119125-02900	1	36

Parts No.	Fig. No.	Ref. No.
119125-02910	1	39
119125-02930	1	23
119125-02940	1	42
119125-21200	7	4
119125-21660	7	11
119125-25050	1	26
119125-25910	6	14
119125-25930	6	13
119125-32000	8	1
119125-34810	8	5
119125-34900	8	4
	16	13
119125-39200	8	11
119125-39220	8	12
	16	15
119125-51030	10	6
119125-51060	10	7
119125-51100	10	9
119125-51241	10	16
119125-51250	10	17
119125-51300	10	19
119125-51370	10	24
119125-51481	10	35
119125-51491	10	36
119125-51700	10	79
119125-51800	1	35
	16	20
119125-51900	10	84
119125-59560	12	27
119125-59570	12	29
119125-61110	11	7
119125-61120	11	8
119125-61130	11	9
119125-61140	11	10
119125-61150	11	11
119125-61160	11	12
119125-61201	11	68
119125-61390	11	14
119125-61401	11	15
119125-61430	11	23
119125-61450	11	90
119125-61501	11	35
119125-77010	14	1
119125-77170	14	8
119125-77200	14	11
119125-77210	14	12
119125-77230	14	13
119125-77270	14	15
119125-77280	14	16
119125-77320	15	30

Parts No.	Fig. No.	Ref. No.
119125-77520	14	17
119125-77660	14	18
119125-77710	14	19
119125-77760	14	20
119125-77800	4	53
119125-77820	4	54
119127-01600	3	2
119127-21590	7	8
119131-18320	5	5
119209-35030	8	8
	16	14
119209-42320	16	18
119285-11990	4	11
119305-35151	8	15
119515-01200	1	30
119515-11101	4	13
119515-11110	4	14
119515-11200	4	20
119515-11240	4	21
119515-11280	4	25
119515-11310	4	44
	16	4
119515-11320	4	45
119515-11330	4	46
	16	5
119515-11380	4	34
119515-11800	4	55
119515-13200	5	7
	16	11
119515-14400	6	2
119515-22300	7	22
119515-23000	7	24
119515-23601	7	28
119515-23611	7	31
119515-42020	9	12
	16	16
119515-53001	12	1
119515-53010	12	3
119515-59540	12	26
119515-61560	11	98
119517-11740	4	4
119517-22090	7	16
119517-22500	7	18
119527-61440	11	25
119534-61420	11	22
119534-61430	11	24
119600-11460	4	2
	16	9
119609-22950	7	35
119620-01620	1	13

Parts No.	Fig. No.	Ref. No.
119620-02450	6	4
119620-14200	6	1
119620-21500	7	7
119620-59700	12	33
119620-77380	15	3
119620-77421	15	6
119620-77440	15	11
119620-77461	15	13
119620-77471	15	14
119620-77480	15	19
119620-77490	15	15
119620-79200	15	7
119620-79210	15	8
119620-79220	15	9
119620-79230	15	10
119620-79250	15	5
119620-79260	15	17
119620-79280	15	20
119620-79290	15	21
119620-79300	15	22
119620-79310	15	23
119620-79320	15	24
119620-79330	15	25
119620-79340	15	26
119620-79350	15	27
119620-79360	15	28
119621-21681	7	12
119653-77950	11	121
119685-42281	9	8
119717-01800	2	3
119717-03031	4	35
119717-03070	4	36
		37
119717-11131	4	15
119717-11190	4	17
119717-11260	4	24
119717-11340	4	18
	16	6
119717-11350	4	19
	16	7
119717-11650	4	26
119717-13110	5	2
	16	10
119717-13600	5	3
119717-23200	7	27
119717-23910	7	30
119717-35140	8	6
119717-49800	9	21
119717-51150	10	13
119717-51190	10	15

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Parts No.	Fig. No.	Ref. No.
119717-51420	10	27
119717-51500	10	37
119717-51570	10	43
119717-51711	10	80
119717-51750	10	81
119717-51761	10	82
119717-51860	10	94
119717-51930	11	2
119717-61050	11	3
119717-61070	11	4
119718-13100	5	1
119734-02220	1	34
119734-61080	11	89
119740-42350	9	16
119761-61060	11	88
119802-03100	4	38
119802-03110	4	39
119802-03121	4	40
119802-03131	4	41
119802-03141	4	42
119802-13620	5	4
119810-55340	13	3
119810-55650	13	8
119833-55621	13	1
119840-59570	12	32
119C10-21930	7	13
119C10-21940	7	14
121023-01551	2	8
121250-44901	9	25
121250-55620	13	7
121254-55510	13	4
121257-55720	13	27
121257-55731	13	28
121450-42450	9	24
121575-66830	11	64
122710-51090	10	8
123501-79240	15	4
124060-01050	1	4
124060-21600	7	10
124064-55510	13	24
124066-59100	12	30
124160-01751	4	33
124195-77770	14	21
124465-44950	9	26
	16	19
124550-51350	10	23
124732-77340	15	31
124766-59050	12	24
	13	17

Parts No.	Fig. No.	Ref. No.
128990-51330	10	22
129008-61301	11	72
129052-79270	15	18
129100-01580	3	1
	7	2
129100-51560	10	42
129100-51570	10	44
129100-52200	10	98
129100-61650	11	58
129100-61730	11	120
129150-11230	4	27
129150-11750	4	29
129150-25301	6	12
129150-59120	12	15
129150-59131	12	18
129155-51020	10	5
129155-51140	10	12
129155-51280	10	18
129155-51400	10	25
129155-51530	10	39
129155-51540	10	40
129155-51550	10	41
129155-51580	10	46
129155-51591	10	47
129155-51600	10	48
129155-52051	10	97
129155-61341	11	73
129155-61460	11	74
129155-61480	11	29
129155-61830	11	63
129156-61460	11	28
129209-61370	11	13
129209-61920	11	76
129209-61930	11	77
129209-61970	11	78
129210-59140	12	23
129210-59230	13	16
129240-79300	15	12
129255-61410	11	21
129335-55701	13	20
129350-49530	9	20
129400-92410	16	26
129423-77200	15	1
129423-77710	15	16
129457-44760	9	18
129486-61540	11	54
129508-11180	4	16
129555-59511	13	18
129698-77110	14	2
129698-77120	14	3

Parts No.	Fig. No.	Ref. No.
129698-77130	14	4
129698-77140	14	5
129698-77150	14	6
129698-77161	14	7
129698-77180	14	9
129698-77190	14	10
129698-77250	14	14
129900-32040	1	27
	16	12
129901-11450	4	1
	16	8
129901-53800	12	4
129901-59560	12	28
	16	21
129972-77341	15	32
158552-61900	11	75
158600-51170	10	14
158600-51410	10	26
158600-51420	10	28
158600-51442	10	29
158600-51570	10	45
158600-51790	10	83
171056-49120	9	23
171081-55910	13	32
174307-51700	11	36
22190-100002	11	79
22190-120002	11	80
	12	34
	13	19
	16	22
22190-160002	3	7
	10	85
	16	23
22217-120000	10	86
22242-000120	4	30
22252-000220	7	23
22272-000030	11	65
22351-050010	10	87
22351-060012	1	28
22372-040000	11	81
22512-040120	7	5
22512-050120	7	15
22857-500100	4	47
	48	
22857-500160	4	49
23414-080000	9	13
	16	24
23414-120016	11	82
23418-060000	13	33
23876-005000	1	10

Parts No.	Fig. No.	Ref. No.
23876-005000	4	12
24101-060034	10	88
24101-063034	10	89
24311-000180	2	7
	16	25
24311-000320	4	50
24311-240100	13	10
		34
24316-000150	10	90
24341-000240	2	9
25132-003500	9	17
26014-080702	13	12
26022-050122	10	91
26106-050102	10	92
26106-060102	8	10
	11	66
		83
		122
26106-060122	6	8
	8	13
26106-060142	8	2
	11	84
26106-060162	2	10
26106-060202	4	51
	11	85
26106-060402	1	29
	9	19
26106-060452	11	86
26106-060752	4	52
26106-080122	9	14
26106-080162	13	13
26106-080202	9	22
	15	33
26106-080352	2	4
26106-080402	4	32
26106-080452	2	5
	9	15
26106-100252	14	22
26106-100402	15	29
26206-100202	3	3
26306-080002	5	6
26577-060122	9	10
26716-120002	10	93
26756-060002	11	87
26979-050162	4	31
27241-300000	1	11
27241-450000	1	12
27260-120000	11	67
719027-51370	10	1
977770-1207F	16	27