

OCR10-M56400EN

PREFACE

1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-DSA, 3TNV88-DSA2,3TNV88-DSA3 and 3TNV88-GGE engine manufactured since January, 2004.

2.Each illustration corresponds to the parts list on the following page.

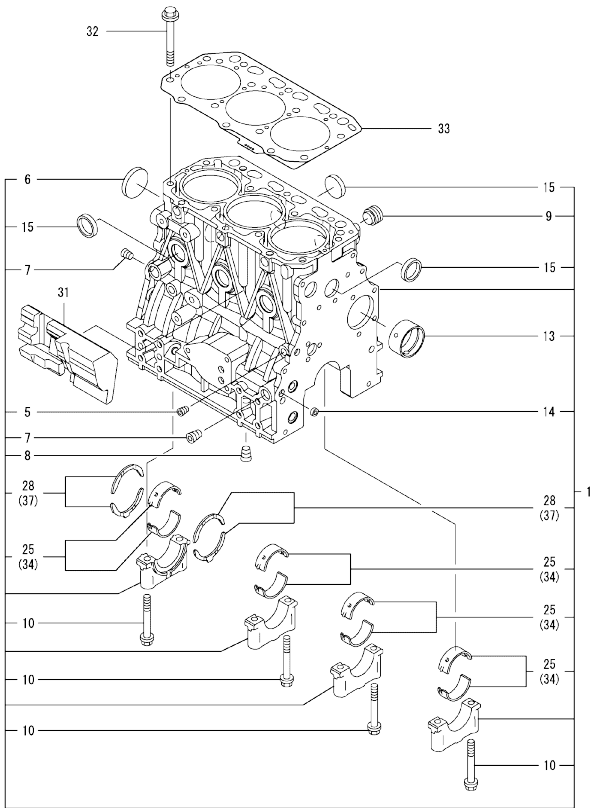
3.When ordering parts,clearly write down the engine model and serial number,as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

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0CR10-M56400

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Fig.1. CYLINDER BLOCK



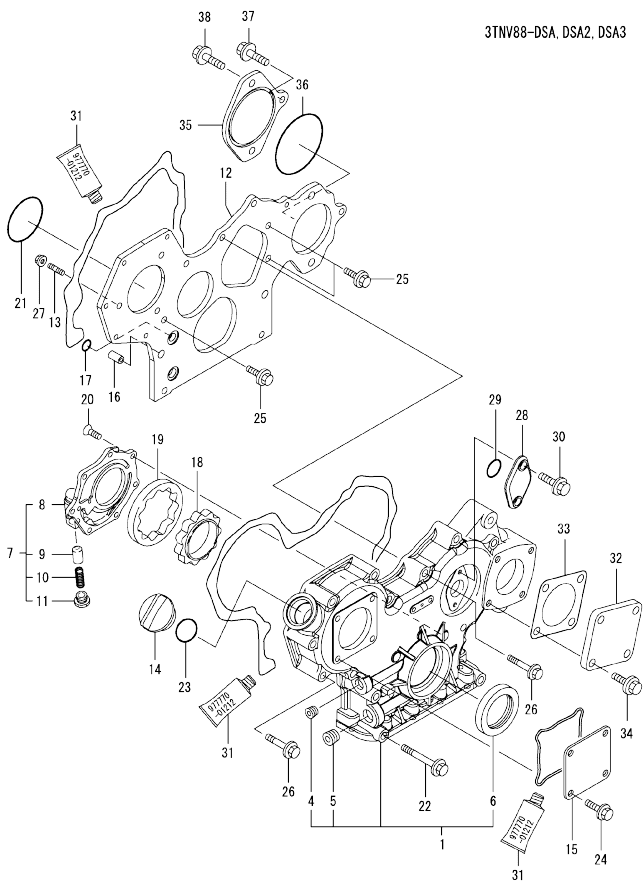
Remarks
(1)Under-sized(U.S.=0.25) parts.
(2)Over-sized(O.S.=0.25) parts.
(3)Repair parts.

(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1	1	1	1				
5	2	124060-01050	PLUG, PT1/8	1	1	1	1				
6	2	129001-01250	PLUG, 50	1	1	1	1				
7	2	124160-01910	PLUG, PT1/4	2	2	2	2				
8	2	124160-01910	PLUG, PT1/4	1	1	1	1				
9	2	171051-01921	PLUG, NPTF1	1	1	1	1				
10	2	129150-02020	BOLT, METAL CAP	8	8	8	8				
13	2	129795-02411	BUSH, CAMSHAFT	1	1	1	1				
14	2	27241-120000	PLUG, 12	2	2	2	2				
15	2	27241-300000	PLUG 30	6	6	6	6				
25	2	129001-02930	BEARING ASSY, MAIN	4	4	4	4				3
28	2	129150-02930	BEARING ASSY, THRUST	2	2	2	2				
31	1	129004-01190	SPACER	1	1	1	1				
32	1	129150-01200	BOLT, CYLINDER HEAD	14	14	14	14				
33	1	129001-01340	GASKET, HEAD	1	1	1	1				
34	1	129150-02870	METAL ASSY, MAIN .25	4	4	4	4				1
37	1	129150-02940	METAL ASSY, 0.25 OS	1	1	1	1				2

Fig.2. GEAR HOUSING



3TNV88-DSA, DSA2, DSA3

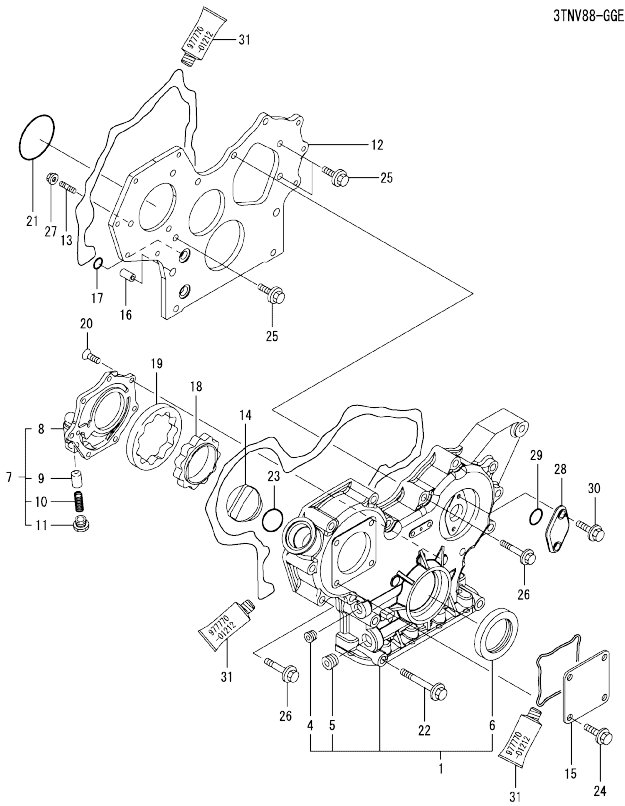
(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01500	CASE ASSY, GEAR	1	1	1					
4	2	23876-030000	PLUG, R03	1	1	1					
5	2	23876-040000	PLUG, R04	1	1	1					
6	2	129795-01800	SEAL, OIL	1	1	1					
7	1	119802-32100	COVER ASSY, PUMP	1	1	1					
8	2	119802-32070	COVER, OIL PUMP	1	1	1					
9	2	129900-32130	VALVE, RELIEF	1	1	1					
10	2	129418-32320	SPRING	1	1	1					
11	2	129001-32330	PLUG	1	1	1					
12	1	129005-01520	FLANGE, GEAR CASE	1	1	1					
13	1	119802-01560	STUD, M8X25	3	3	3					
14	1	124160-01751	CAP, FILLER	1	1	1					
15	1	124240-01871	COVER, HYDRAULIC PUMP	1	1	1					
16	1	129795-01950	PIPE, KNOCK L=18	2	2	2					
17	1	119609-32040	O-RING, P16	4	4	4					
18	1	119802-32111	ROTOR, INNER	1	1	1					
19	1	119802-32120	ROTOR, OUTER	1	1	1					
20	1	119802-32130	SCREW, M6X16	7	7	7					
21	1	121850-51960	O-RING, FUEL PUMP	1	1	1					
22	1	129001-91841	BOLT, M8X87	3	3	3					
23	1	24311-000320	O-RING, 1AP32.0	1	1	1					
24	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4					
25	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3					
26	1	26106-080552	BOLT, M8X 55 PLATED	11	11	11					
27	1	26306-080002	NUT, M8	3	3	3					
28	1	121023-01550	COVER	1	1	1					
29	1	24341-000240	O-RING, 1AS24.0	1	1	1					
30	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					
31	1	977770-01212	GASKET, LIQUID	1	1	1					1
32	1	124240-01871	COVER, HYDRAULIC PUMP	1	1	1					
33	1	124240-01883	GASKET, PUMP	1	1	1					
34	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4					
35	1	129430-26070	COVER, PUMP	1	1	1					
36	1	24321-000800	O-RING, 1AG80.0	1	1	1					
37	1	26106-080252	BOLT, M8X 25 PLATED	1	1	1					
38	1	26106-100302	BOLT, M10X 30 PLATED	2	2	2					

Remarks
(1)Optional parts.

Fig.3. GEAR HOUSING



3TNV88-GGE

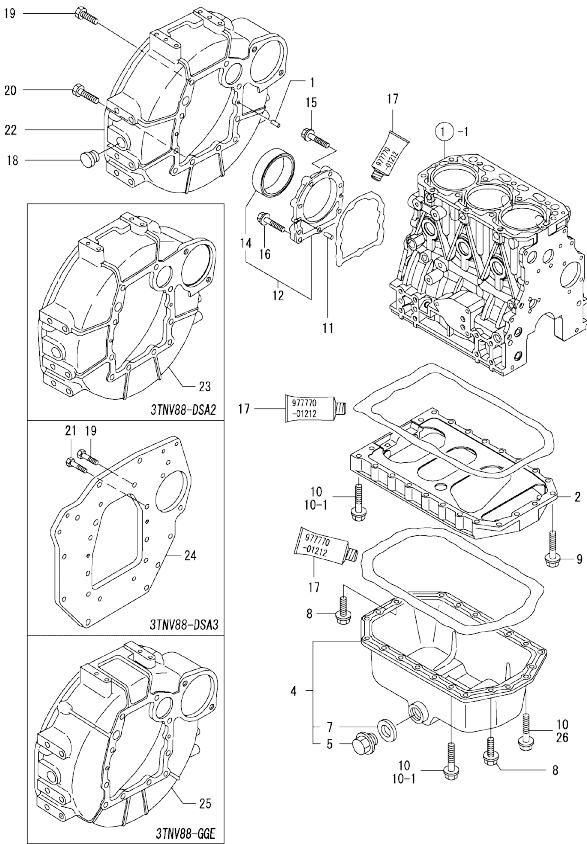
(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR				1				
1-1	1	729046-01500	CASE ASSY, GEAR				1			N	
			(D=*2016.10)								
4	2	23876-030000	PLUG, R03				1				
5	2	23876-040000	PLUG, R04				1				
6	2	129795-01800	SEAL, OIL				1				
6-1	2	119934-01800	SEAL, OIL				1			N	
			(D=E53013)								
6-2	2	129795-01800	SEAL, OIL				1			N	
			(D=*2016.10)								
7	1	119802-32100	COVER ASSY, PUMP				1				
8	2	119802-32070	COVER, OIL PUMP				1				
9	2	129900-32130	VALVE, RELIEF				1				
10	2	129418-32320	SPRING				1				
11	2	129001-32330	PLUG				1				
12	1	119802-01520	FLANGE, GEAR CASE				1				
13	1	119802-01560	STUD, M8X25				3				
14	1	124160-01751	CAP, FILLER				1				
15	1	124240-01871	COVER, HYDRAULIC PUMP				1				
16	1	129795-01950	PIPE, KNOCK L=18				2				
17	1	119609-32040	O-RING, P16				4				
18	1	119802-32111	ROTOR, INNER				1				
19	1	119802-32120	ROTOR, OUTER				1				
20	1	119802-32130	SCREW, M6X16				7				
21	1	121850-51960	O-RING, FUEL PUMP				1				
22	1	129001-91841	BOLT, M8X87				3				
23	1	24311-000320	O-RING, 1AP32.0				1				
24	1	26106-080162	BOLT, M8X 16 PLATED				4				
25	1	26106-080162	BOLT, M8X 16 PLATED				3				
26	1	26106-080552	BOLT, M8X 55 PLATED				12				
27	1	26306-080002	NUT, M8				3				
28	1	121023-01550	COVER				1				
29	1	24341-000240	O-RING, 1AS24.0				1				
30	1	26106-060162	BOLT, M6X 16 PLATED				2				
31	1	977770-01212	GASKET, LIQUID				1				1

Remarks
(1)Optional parts.

Fig.4. FLYWHEEL HOUSING & OIL SUMP



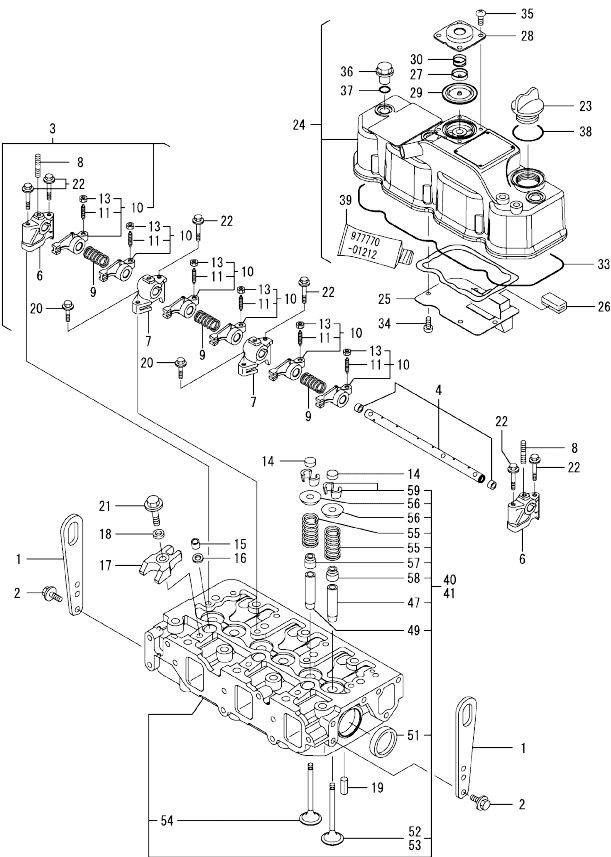
Remarks
(1)Optional parts.

(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2	2	2	2				
2	1	129100-01730	SPACER, OIL PAN	1	1	1	1				
4	1	129100-01760	OIL PAN ASSY	1	1	1	1				
5	2	119640-01640	PLUG, DRAIN M22	1	1	1	1				
7	2	22190-220002	WASHER, SEAL 22	1	1	1	1				
8	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4	4				
9	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2	2				
10	1	26106-080452	BOLT, M8X 45 PLATED	20	20	20	20				
10-1	1	26106-080452	BOLT, M8X 45 PLATED	16	16	16	16				K
(A)=FROM 1ST (B)=FROM 1ST (C)=FROM 1ST (D)=FROM 1ST											
11	1	129100-01580	PIN, PARALLEL 8X16	2	2	2	2				
12	1	129100-01640	CASE ASSY, OIL SEAL	1	1	1	1				
14	2	129795-01780	SEAL, OIL	1	1	1	1				
15	1	129486-01670	BOLT, M8X30	6	6	6	6				
16	1	26106-080352	BOLT, M8X 35 PLATED	3	3	3	3				
17	1	977770-01212	GASKET, LIQUID	1	1	1	1				1
18	1	119620-01750	CAP, WHEEL COVER	1	1	1	1				
19	1	26206-100252	BOLT, M10X 25 PLATED	6	6	2	6				
20	1	26206-100302	BOLT, M10X 30 PLATED	4	4		4				
21	1	26206-100202	BOLT, M10X 20 PLATED			6					
22	1	119888-01600	HOUSING, FLYWHEEL	1							
23	1	129612-01600	HOUSING, FLYWHEEL		1						
24	1	129129-01600	FLANGE, MOUNTING			1					
25	1	171420-01600	HOUSING, FLYWHEEL				1				
26	1	26106-080502	BOLT, M8X 50 PLATED	4	4	4	4				W
(A)=FROM 1ST (B)=FROM 1ST (C)=FROM 1ST (D)=FROM 1ST											

Fig.5. CYLINDER HEAD & BONNET



Remarks
(1)Repair parts.

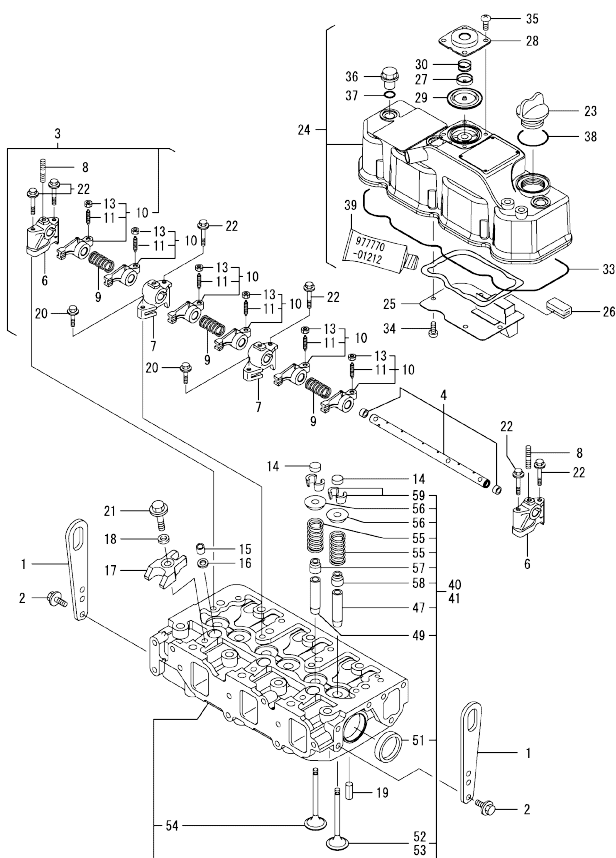
(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

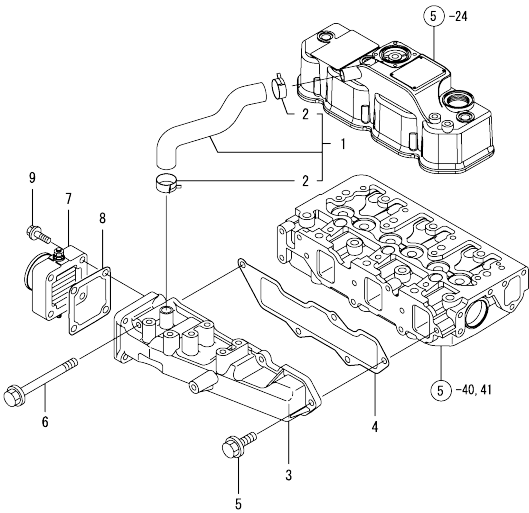
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	2	2	2	2				
2	1	26106-080142	BOLT, M8X 14 PLATED	4	4	4	4				
3	1	129004-11241	SHAFT ASSY, ROCKER	1	1	1	1				
4	2	129004-11251	SHAFT, ROCKER ARM	1	1	1	1				
6	2	119802-11260	SUPPORT, ROCKER ARM	2	2	2	2				
7	2	119802-11270	SUPPORT, ROCKER ARM	2	2	2	2				
8	2	119802-11280	BOLT, STUD	3	3	3	3				
9	2	129150-11280	SPRING, SHAFT	3	3	3	3				
10	2	129004-11650	ARM ASSY, ROCKER	6	6	6	6				
11	3	129150-11230	SCREW, VALVE ADJUST	6	6	6	6				
13	3	129150-11750	NUT, M8XP1.0	6	6	6	6				
14	1	129150-11370	CAP, VALVE	6	6	6	6				
15	1	119802-11870	PROTECTOR, NOZZLE	3	3	3	3				
16	1	119625-11880	SEAT, NOZZLE	3	3	3	3				
17	1	129004-11900	RETAINER, NOZZLE	3	3	3	3				
18	1	120270-54410	WASHER, INJECTOR	3	3	3	3				
19	1	22351-060012	PIN, SPRING 6.0X12	2	2	2	2				
20	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2	2				
21	1	26106-080352	BOLT, M8X 35 PLATED	3	3	3	3				
22	1	26106-080502	BOLT, M8X 50 PLATED	6	6	6	6				
23	1	124160-01751	CAP, FILLER	1	1	1	1				
24	1	129004-11350	BONNET ASSY, HEAD	1	1	1	1				
24-1	1	129236-11350	BONNET ASSY	1	1	1	1				N
(A=E115954) (B=*2018.02) (C=*2018.02) (D=*2018.02)											
25	2	129004-03010	PLATE, BAFFLE	1	1	1	1				
26	2	129150-03070	BAFFLE, BREATHER	1	1	1	1				
27	2	119802-03110	PLATE, DIAPHRAGM	1	1	1	1				
28	2	119802-03121	COVER, DIAPHRAGM	1	1	1	1				
28-1	2	129236-03120	COVER, DIAPHRAGM	1	1	1	1				N
(A=E115954) (B=*2018.02) (C=*2018.02) (D=*2018.02)											
29	2	119802-03130	DIAPHRAGM, BREATHER	1	1	1	1				
30	2	119802-03141	SPRING, DIAPHRAGM	1	1	1	1				
33	2	129004-11310	GASKET, BONNET	1	1	1	1				
34	2	22857-500100	SCREW, 5X10	4	4	4	4				
35	2	22857-500100	SCREW, 5X10	4	4	4	4				
36	1	124160-11360	KNOB, BONNET	3	3	3	3				
37	1	24311-000120	O-RING, 1AP12.0	3	3	3	3				
38	1	24311-000320	O-RING, 1AP32.0	1	1	1	1				
39	1	977770-01212	GASKET, LIQUID	1	1	1	1				2
40	1	129005-11700	HEAD ASSY, CYLINDER	1	1	1					
41	1	129004-11700	HEAD ASSY, CYLINDER					1			
47	2	120130-11860	GUIDE, VALVE	3	3	3	3				1
49	2	129150-11810	GUIDE, VALVE	3	3	3	3				1
51	2	27241-400000	PLUG, 40	2	2	2	2				
52	2	129005-11100	VALVE, INTAKE	3	3	3					
53	2	129004-11100	VALVE, SUCTION							3	
54	2	129100-11110	VALVE, EXHAUST	3	3	3	3				
55	2	129795-11120	SPRING, VALVE	6	6	6	6				
56	2	129795-11180	RETAINER, SPRING	6	6	6	6				
57	2	121400-11340	SEAL, VALVE STEM	3	3	3	3				
58	2	124460-11340	SEAL, VALVE STEM	3	3	3	3				

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
++ CONTINUE ++
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Fig.5. CYLINDER HEAD & BONNET

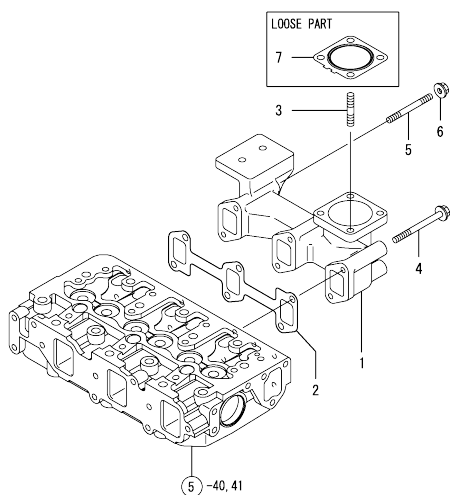
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OCR10-M56400 ENGINE
Fig.6. SUCTION MANIFOLD



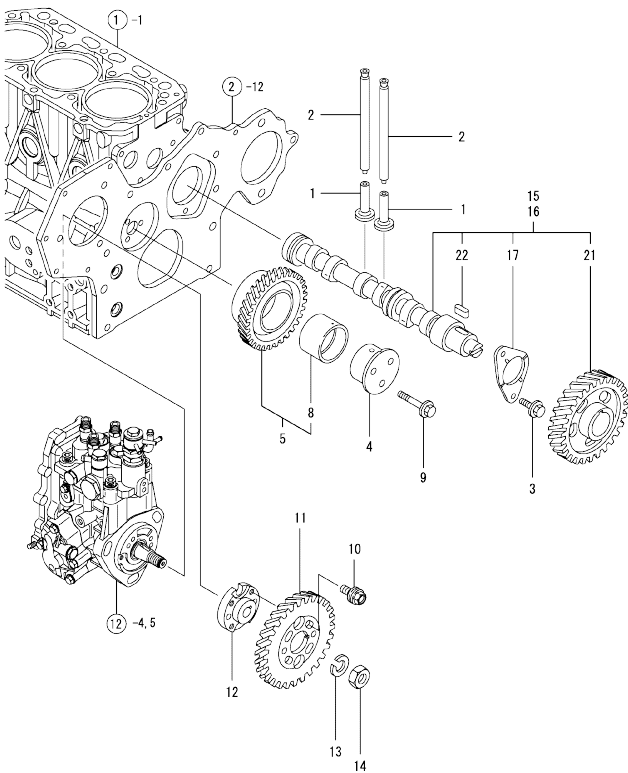
OCR10-M56400 Fig.6
(A)=3TNV88-DSA
(D)=3TNV88-GGE
(B)=3TNV88-DSA2
(E)=
(C)=3TNV88-DSA3
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-03080	HOSE ASSY, BREATHER	1	1	1	1				
2	2	129410-03990	CLAMP, HOSE 21.5	2	2	2	2				
3	1	129004-12100	MANIFOLD, AIR INTAKE	1	1	1	1				
4	1	129001-12110	GASKET, MANIFOLD	1	1	1	1				
5	1	26106-080202	BOLT, M8X 20 PLATED	4	4	4	4				
6	1	26106-080802	BOLT, M8X 80 PLATED	1	1	1	1				
7	1	129120-77501	HEATER, AIR	1	1	1	1				
8	1	129150-77511	GASKET, AIR HEATER	1	1	1	1				
9	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4	4				



				(A)=3TNV88-DSA (B)=3TNV88-DSA2 (C)=3TNV88-DSA3	0CR10-M56400 Fig.7 (D)=3TNV88-GGE (E)= (F)=						I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)			
1	1	129004-13109	MANIFOLD, EXHAUST	1	1	1	1					
2	1	129150-13110	GASKET, MANIFOLD	1	1	1	1					
3	1	119131-18320	STUD, M8X22	4	4	4	4					
4	1	123900-13630	BOLT, M8X80	4	4	4	4					
5	1	123900-13610	STUD, M8X80	2	2	2	2					
6	1	26306-080002	NUT, M8	2	2	2	2					
7	1	129004-13200	GASKET, SILENCER	1	1	1	1					

Fig.8. CAMSHAFT & DRIVING GEAR



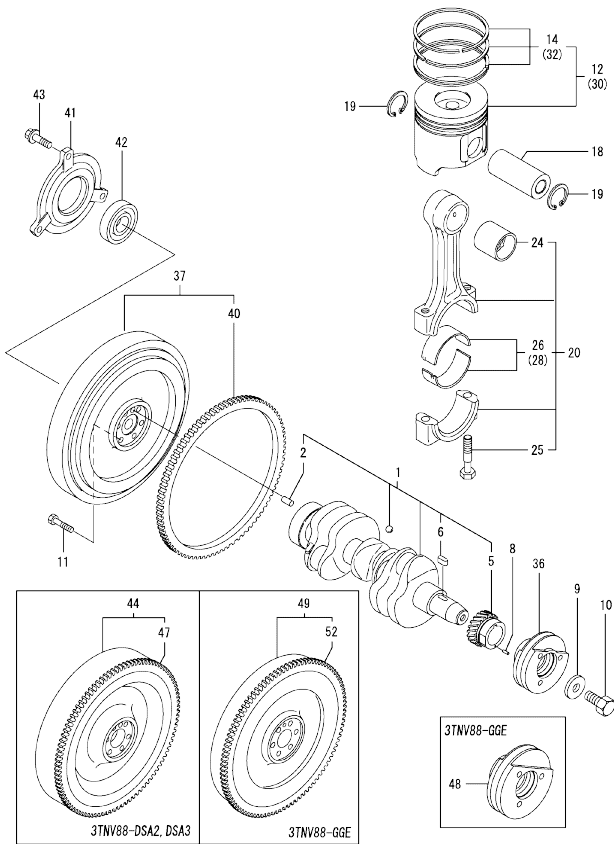
Remarks
(1)Repair parts.

(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6	6	6	6				
2	1	129150-14400	ROD, PUSH L=178	6	6	6	6				
3	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2	2				
4	1	119802-25051	SHAFT, IDLE GEAR	1	1	1	1				
5	1	119802-25100	GEAR ASSY, IDLE	1	1	1	1				
8	2	119802-25070	BUSH, IDLE GEAR	1	1	1	1				1
9	1	26106-080402	BOLT, M8X 40 PLATED	3	3	3	3				
10	1	129150-25301	BOLT, INJECTION PUMP	4	4	4	4				
11	1	119802-25901	GEAR, PUMP	1	1	1	1				
12	1	158552-51151	FLANGE, CAMSHAFT	1	1	1	1				
13	1	22217-140000	WASHER, SPRING 14	1	1	1	1				
14	1	26776-140002	NUT, LOCK M14	1	1	1	1				
15	1	129129-14580	CAMSHAFT ASSY	1	1	1	1				
16	1	129004-14580	CAMSHAFT ASSY								1
17	2	129150-02450	METAL, THRUST	1	1	1	1				
21	2	129150-14101	GEAR, CAMSHAFT	1	1	1	1				
22	2	22512-070140	KEY, 7X 14	1	1	1	1				

OCR10-M56400 ENGINE
Fig.9. CRANKSHAFT & PISTON

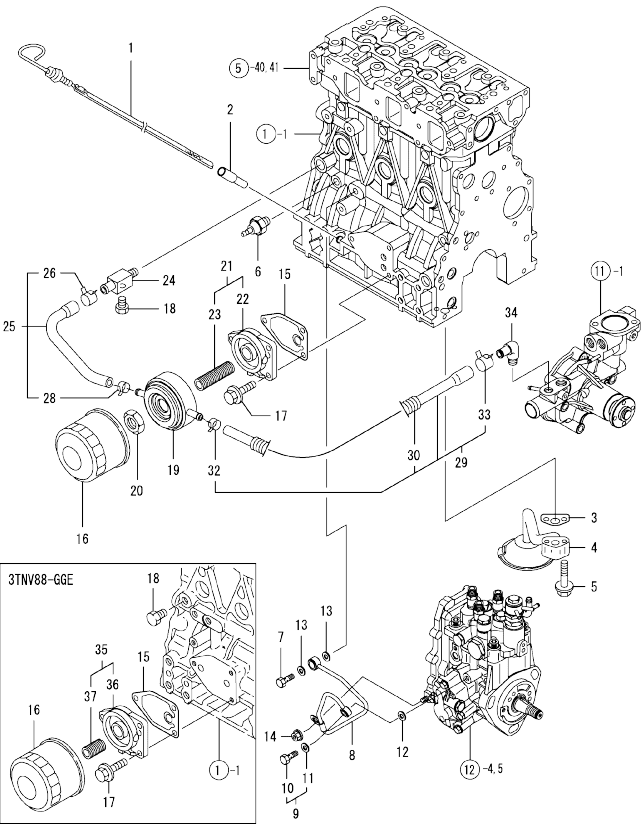


Remarks
(1)Repair parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

OCR10-M56400 Fig.9
(A)=3TNV88-DSA
(D)=3TNV88-GGE
(B)=3TNV88-DSA2
(E)=
(C)=3TNV88-DSA3
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-21002	CRANKSHAFT ASSY	1	1	1	1				
2	2	129100-01580	PIN, PARALLEL 8X16	1	1	1	1				
5	2	119802-21202	GEAR, CRANKSHAFT	1	1	1	1				
6	2	22512-070140	KEY, 7X 14	1	1	1	1				
8	1	22351-030010	PIN, SPRING 3.0X10	1	1	1	1				
9	1	129795-21661	WASHER, 14	1	1	1	1				
10	1	121850-21680	BOLT, V-PULLEY	1	1	1	1				
11	1	121111-21501	BOLT, FLYWHEEL	6	6	6	6				
12	1	129005-22080	PISTON ASSY	3	3	3	3				
14	2	129005-22500	RING SET, PISTON	3	3	3	3				
18	1	129202-22300	PIN, PISTON D26 L70	3	3	3	3				
19	1	22252-000260	RING, 26	6	6	6	6				
20	1	729402-23100	ROD ASSY, CONNECTING	3	3	3	3				
24	2	129100-23910	METAL, PISTON PIN	3	3	3	3				1
25	2	121550-23200	BOLT, CONNECTING ROD	6	6	6	6				
26	2	129150-23600	BEARING, CRANK PIN	3	3	3	3				
28	1	129150-23610	METAL, CRANK PIN .25	3	3	3	3				2
30	1	129005-22900	PISTON ASSY, 0.25 OS	3	3	3	3				3
32	2	129005-22950	RING SET, PISTON .25	3	3	3	3				3
36	1	129004-21650	V-PULLEY, CRANKSHAFT	1	1	1					
37	1	129188-21590	FLYWHEEL ASSY	1							
40	2	119865-21600	GEAR, RING Z=116	1							
41	1	119888-21450	RETAINER, BEARING	1							
42	1	24104-062054	BEARING, BALL 6205UU	1							
43	1	26106-080222	BOLT, M8X 22 PLATED	3							
44	1	171340-21580	FLYWHEEL ASSY		1	1					
47	2	119865-21600	GEAR, RING Z=116		1	1					
48	1	129005-21650	V-PULLEY, CRANKSHAFT								1
49	1	171340-21590	FLYWHEEL ASSY								1
52	2	124550-21600	GEAR, RING Z=127								1

Fig.10. LUB. OIL SYSTEM



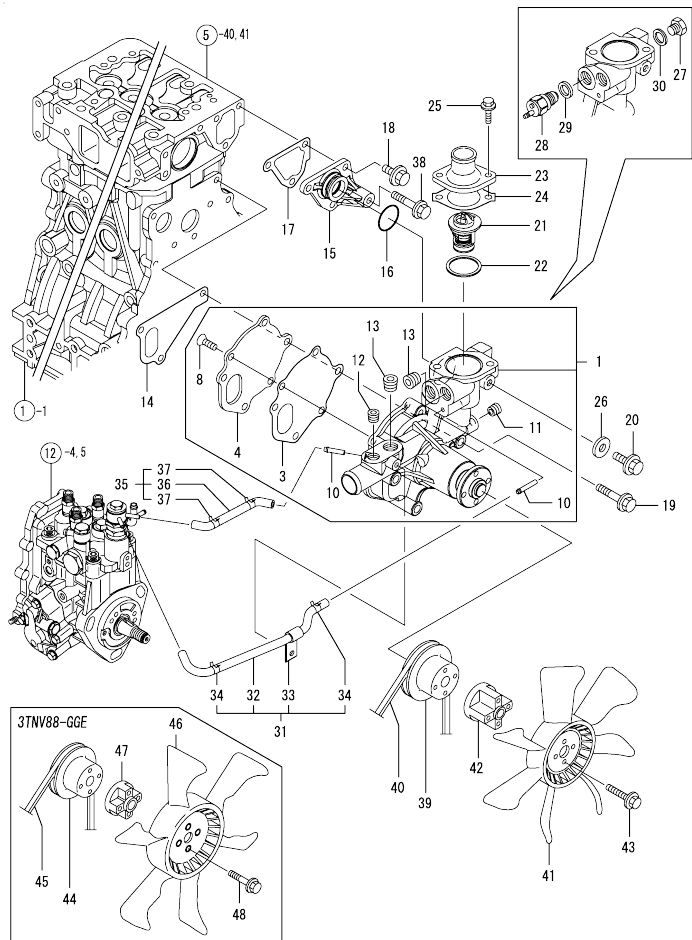
(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-34801	DIPSTICK	1	1	1	1				
2	1	121520-34810	GUIDE, DIPSTICK	1	1	1	1				
3	1	129150-35041	GASKET	1	1	1	1				
4	1	129100-35301	PIPE ASSY, OIL INLET	1	1	1	1				
5	1	26106-080352	BOLT, M8X 35 PLATED	2	2	2	2				
6	1	114250-39450	SWITCH, HYDRAULIC	1	1	1	1				
7	1	124160-39140	BOLT, PIPE JOINT M10	1	1	1	1				
8	1	119802-39450	PIPE ASSY, OIL	1	1	1	1				
9	1	129005-59830	BOLT ASSY, JOINT M8	1	1	1	1				
10	2	23857-030000	BOLT, JOINT 3	1	1	1	1				
11	2	22190-080002	WASHER, SEAL 8	1	1	1	1				
12	1	22190-080002	WASHER, SEAL 8	1	1	1	1				
13	1	22190-100002	WASHER, SEAL 10	2	2	2	2				
14	1	26366-060002	NUT, M6	1	1	1	1				
15	1	129150-35111	GASKET, BRACKET	1	1	1	1				
16	1	129150-35170	FILTER ASSY, D80X80L	1	1	1	1				
17	1	26106-080202	BOLT, M8X 20 PLATED	3	3	3	3				
18	1	171056-49120	PLUG, DRAIN R1/4	1	1	1	1				
19	1	129508-33010	COOLER ASSY, OIL	1	1	1	1				
20	1	129417-33110	NUT, OIL COOLER	1	1	1	1				
21	1	129006-35100	BRACKET ASSY, FILTER	1	1	1	1				
22	2	119802-35110	BRACKET, FILTER	1	1	1	1				
23	2	129417-35150	STUD, M20X67	1	1	1	1				
24	1	129006-44480	JOINT, R02	1	1	1	1				
25	1	129508-49030	HOSE ASSY, COOLER IN	1	1	1	1				
26	2	171008-03990	CLAMP, HOSE 18.5	1	1	1	1				
28	2	23080-015000	CLAMP, 15	1	1	1	1				
29	1	129006-49040	HOSE ASSY, COOLER OUT	1	1	1	1				
30	2	123951-03330	TUBE, CORRUGATED 19	1	1	1	1				
32	2	23080-015000	CLAMP, 15	1	1	1	1				
33	2	23080-018000	CLAMP, 18	1	1	1	1				
34	1	129103-49301	ELBOW, PT1/4	1	1	1	1				
35	1	119802-35100	BRACKET ASSY, FILTER							1	
36	2	119802-35110	BRACKET, FILTER							1	
37	2	129100-35140	STUD							1	

Remarks
(1)Repair parts.

Fig.11. COOLING WATER SYSTEM

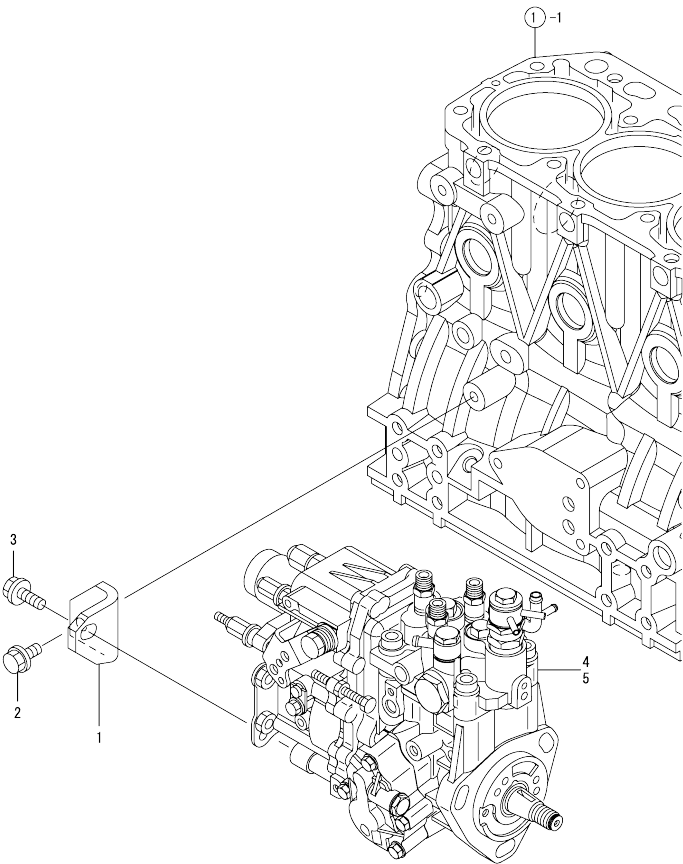


(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1	1	1	1				
3	2	129100-42051	GASKET, WATER PUMP	1	1	1	1				
4	2	129100-42121	PLATE, PUMP	1	1	1	1				
8	2	121850-42410	SCREW	3	3	3	3				
10	2	119802-49113	JOINT, PIPE	2	2	2	2				
11	2	23876-010000	PLUG, R01	1	1	1	1				
12	2	23876-020000	PLUG, R02	1	1	1	1				
13	2	129916-49740	PLUG, R3/8	2	2	2	2				
14	1	129486-42021	GASKET, WATER PUMP	1	1	1	1				
15	1	129004-42040	JOINT, WATER PIPE	1	1	1	1				
16	1	129486-42140	O-RING, G30	1	1	1	1				
17	1	124395-49840	GASKET, THERMOSTAT	1	1	1	1				
18	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3	3				
19	1	26106-080602	BOLT, M8X 60 PLATED	3	3	3	3				
20	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1				
21	1	129155-49801	THERMOSTAT, 71C	1	1	1	1				
22	1	129150-49811	GASKET, THERMOSTAT	1	1	1	1				
23	1	129350-49530	COVER, THERMOSTAT	1	1	1	1				
24	1	129795-49551	GASKET, COVER	1	1	1	1				
25	1	26106-080222	BOLT, M8X 22 PLATED	2	2	2	2				
26	1	23414-080000	GASKET, 8X1.0	1	1	1	1				
27	1	121450-42450	PLUG, M16	1	1	1	1				
28	1	121250-44901	SWITCH, TEMPERATURE	1	1	1	1				
29	1	124465-44950	GASKET, 16	1	1	1	1				
30	1	124465-44950	GASKET, 16	1	1	1	1				
31	1	129004-49610	HOSE ASSY, WATER A	1	1	1	1				
32	2	129004-49711	HOSE, WATER A	1	1	1	1				
33	2	119802-49730	RETAINER, PIPE	1	1	1	1				
34	2	124722-59050	CLAMP, HOSE 9	2	2	2	2				
35	1	129004-49620	HOSE ASSY, WATER B	1	1	1	1				
36	2	129004-49721	HOSE, WATER B	1	1	1	1				
37	2	124722-59050	CLAMP, HOSE 9	2	2	2	2				
38	1	26106-080452	BOLT, M8X 45 PLATED	1	1	1	1				
39	1	129403-42380	V-PULLEY, PUMP	1	1	1	1				
40	1	119865-42290	V-BELT, A36.5	1	1	1	1				
40-1	1	25152-003600	V-BELT, A36	1	1	1	1				N
(A)=EXXXXX (B)=EXXXXX (C)=EXXXXX											
41	1	121267-44741	FAN, COOLING D=360	1	1	1	1				
42	1	171353-44760	SPACER, FAN 25MM	1	1	1	1				
43	1	26106-060402	BOLT, M6X 40 PLATED	4	4	4	4				
44	1	129155-42350	V-PULLEY, PUMP							1	
45	1	119831-42290	V-BELT, A37.5							1	
46	1	129030-44740	FAN, COOLING D360XUG							1	
47	1	121267-44760	SPACER, FAN 18MM							1	
48	1	26106-060302	BOLT, M6X 30 PLATED							4	

Fig.12. FUEL INJECTION PUMP

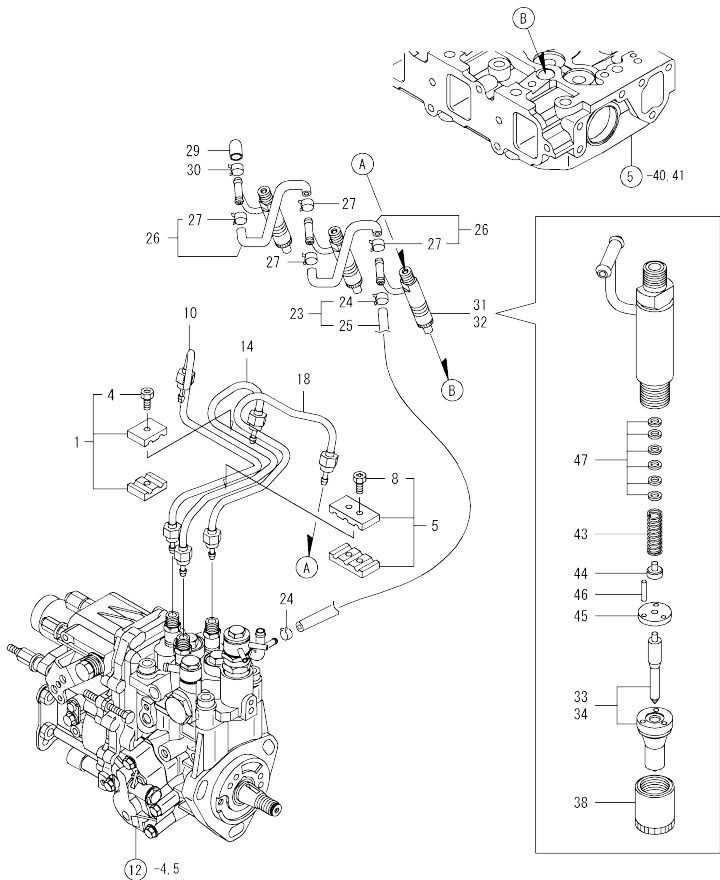


(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-51250	RETAINER, FUEL PUMP	1	1	1	1				
2	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1				
3	1	26106-080202	BOLT, M8X 20 PLATED	1	1	1	1				
4	1	729005-51310	PUMP ASSY, INJECTION	1	1	1					
5	1	729247-51390	PUMP ASSY, INJECTION				1				

Fig.13. FUEL INJECTION VALVE

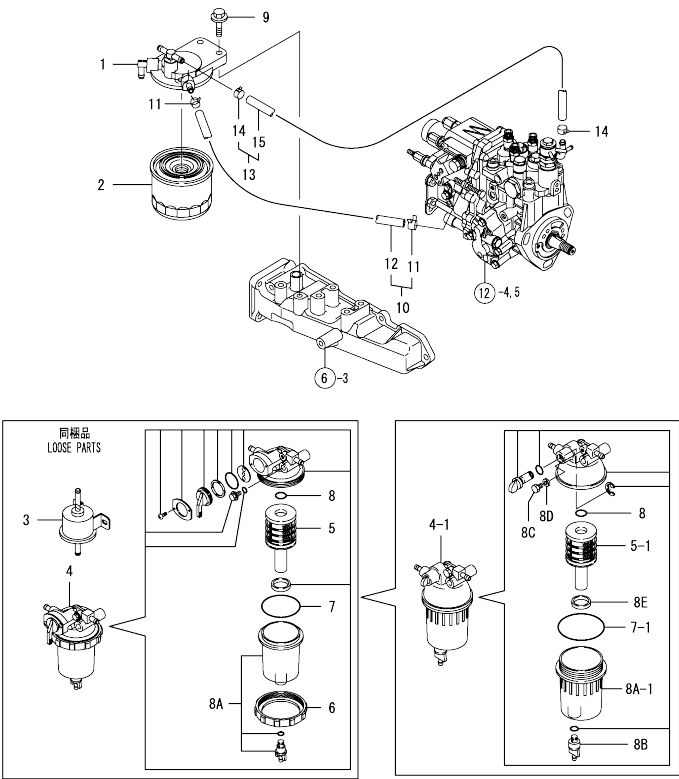


(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119305-59120	RETAINER, PIPE	1	1	1	1				
4	2	129150-59131	BOLT, M4X14	1	1	1	1				
5	1	129150-59120	RETAINER, PIPE	1	1	1	1				
8	2	129150-59131	BOLT, M4X14	2	2	2	2				
10	1	129004-59810	PIPE ASSY, INJECTION	1	1	1	1				
14	1	129004-59820	PIPE ASSY, INJECTION	1	1	1	1				
18	1	129004-59830	PIPE ASSY, INJECTION	1	1	1	1				
23	1	119802-59550	HOSE ASSY, RETURN	1	1	1	1				
24	2	124722-59050	CLAMP, HOSE 9	2	2	2	2				
25	2	119802-59560	HOSE, FUEL RETURN	1	1	1	1				
26	1	129486-59551	HOSE ASSY, RETURN	2	2	2	2				
27	2	124722-59050	CLAMP, HOSE 9	4	4	4	4				
29	1	119593-59580	CAP	1	1	1	1				
30	1	124060-77680	CLAMP, HOSE 10	1	1	1	1				
31	1	729004-53101	VALVE ASSY,INJECTION	3	3	3					
32	1	729246-53101	VALVE ASSY,INJECTION				3				
33	2	129004-53001	VALVE ASSY,INJECTION	3	3	3					
34	2	129246-53001	VALVE ASSY,INJECTION				3				
38	2	114250-53080	NUT, NOZZLE	3	3	3	3				
43	2	114250-53120	SPRING, NOZZLE	3	3	3	3				
44	2	114250-53130	SEAT, SPRING	3	3	3	3				
45	2	114250-53140	SPACER, VALVE STOP	3	3	3	3				
46	2	114250-53210	PIN, POSITIONING	6	6	6	6				
47	2	114250-53400	SHIM SET	3	3	3	3				

Fig.14. FUEL PIPING

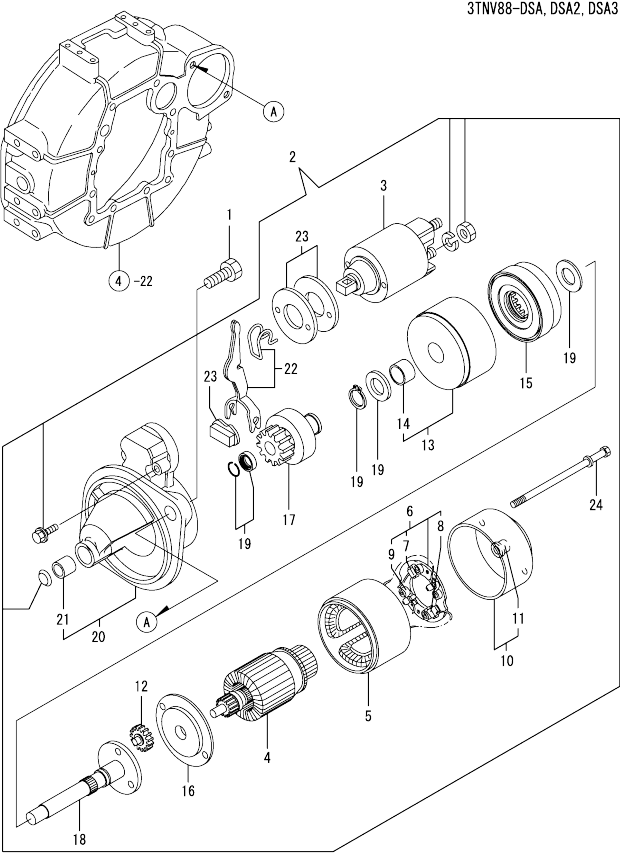


(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55610	BRACKET, FILTER	1	1	1	1				
2	1	119802-55800	FILTER, FUEL	1	1	1	1				
3	1	119225-52102	PUMP, FUEL FEED	1	1	1	1				
4	1	119802-55700	SEPARATOR ASSY, WATER	1	1	1	1				
4-1	1	129242-55700	SEPARATOR ASSY, WATER	1	1	1	1				N
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
5	2	119802-55710	ELEMENT, FUEL	1	1	1	1				
5-1	2	129242-55730	ELEMENT, FUEL FILTER	1	1	1	1				S
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
6	2	129100-55690	NUT, RETAINING	1	1	1	1				Z
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
7	2	24321-000650	O-RING, 1AG65.0	1	1	1	1				
7-1	2	24321-000750	O-RING, 1AG75.0	1	1	1	1				S
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
8	2	24311-000160	O-RING, 1AP16.0	1	1	1	1				
8A	2	119802-55730	CUP ASSY, SEPARATOR	1	1	1	1				W
(A=FROM 1ST) (B=FROM 1ST) (C=FROM 1ST) (D=FROM 1ST)											
8A-1	2	129242-55720	CUP, SEPARATOR	1	1	1	1				S
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
8B	2	129242-55740	PLUG, DRAIN	1	1	1	1				W
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
8C	2	129242-55750	VALVE, AIR VENT	1	1	1	1				W
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
8D	2	129242-55760	GASKET, PLUG	1	1	1	1				W
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
8E	2	129242-55770	FLOAT	1	1	1	1				W
(A=*2008.08.) (B=*2008.08.) (C=*2008.08.) (D=*2008.08.)											
9	1	26106-080302	BOLT, M8X 30 PLATED	2	2	2	2				
10	1	129210-59100	HOSE ASSY, FUEL L300	1	1	1	1				
11	2	124766-59050	CLAMP, HOSE 11.5	2	2	2	2				
12	2	105025-59580	HOSE, FUEL	1	1	1	1				
13	1	129210-59230	HOSE ASSY, FUEL L205	1	1	1	1				
14	2	124766-59050	CLAMP, HOSE 11.5	2	2	2	2				
15	2	129555-59511	HOSE, FUEL	1	1	1	1				

Fig.15. STARTER MOTOR



(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

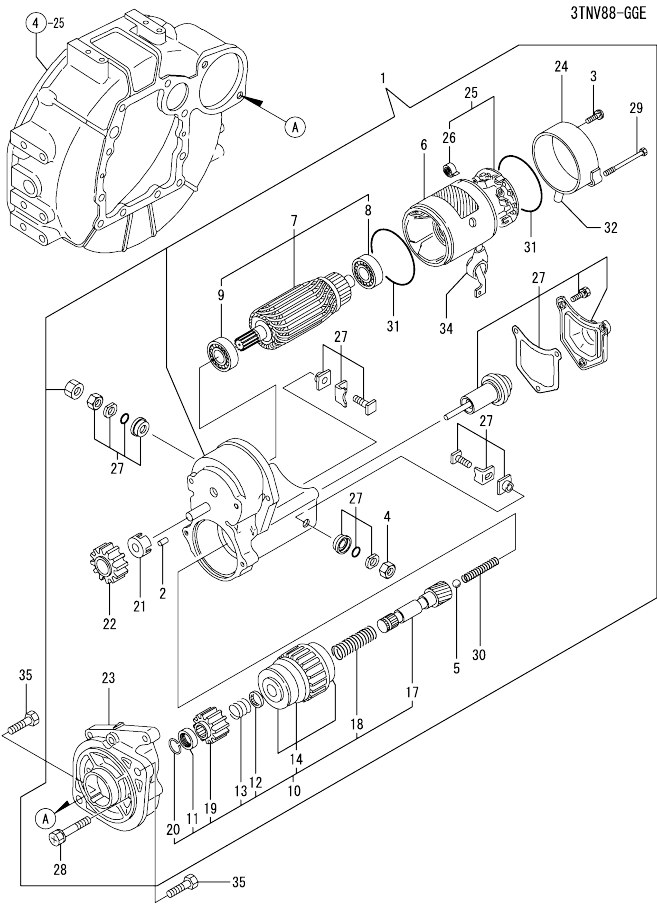
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26116-120202	BOLT, M12X 20 PLATED	2	2	2					
2	1	129242-77010	STARTER, 1.7	1	1	1					
3	2	129698-77020	SWITCH ASSY, MAGNET	1	1	1					
4	2	129242-77100	ARMATURE ASSY	1	1	1					
5	2	129242-77110	YOKE ASSY	1	1	1					
6	2	129242-77120	HOLDER ASSY, BRUSH	1	1	1					
7	3	129242-77130	BRUSH, -	2	2	2					
8	3	129242-77140	BRUSH SET	1	1	1					
9	3	129242-77150	SPRING, BRUSH	4	4	4					
10	2	129242-77160	COVER ASSY, STARTER	1	1	1					
11	3	129242-77170	METAL, REAR COVER	1	1	1					
12	2	118400-77170	GEAR, PLANETARY	3	3	3					
13	2	129242-77180	BRACKET, CENTER P	1	1	1					
14	3	129698-77190	BRACKET, CENTER	1	1	1					
15	2	129698-77200	GEAR, INTERNAL	1	1	1					
16	2	129242-77210	BRACKET, CENTER A	1	1	1					
17	2	129698-77220	PINION ASSY	1	1	1					
18	2	129698-77230	SHAFT, PINION	1	1	1					
19	2	129698-77250	WASHER SET	1	1	1					
20	2	129242-77260	CASE ASSY, GEAR	1	1	1					
21	3	X2114535200	METAL, STARTER	1	1	1					
22	2	129242-77270	LEVER SET, SHIFT	1	1	1					
23	2	129242-77280	COVER KIT, DUST	1	1	1					
24	2	124195-77770	BOLT, THROUGH	2	2	2					

Fig.16. STARTER MOTOR

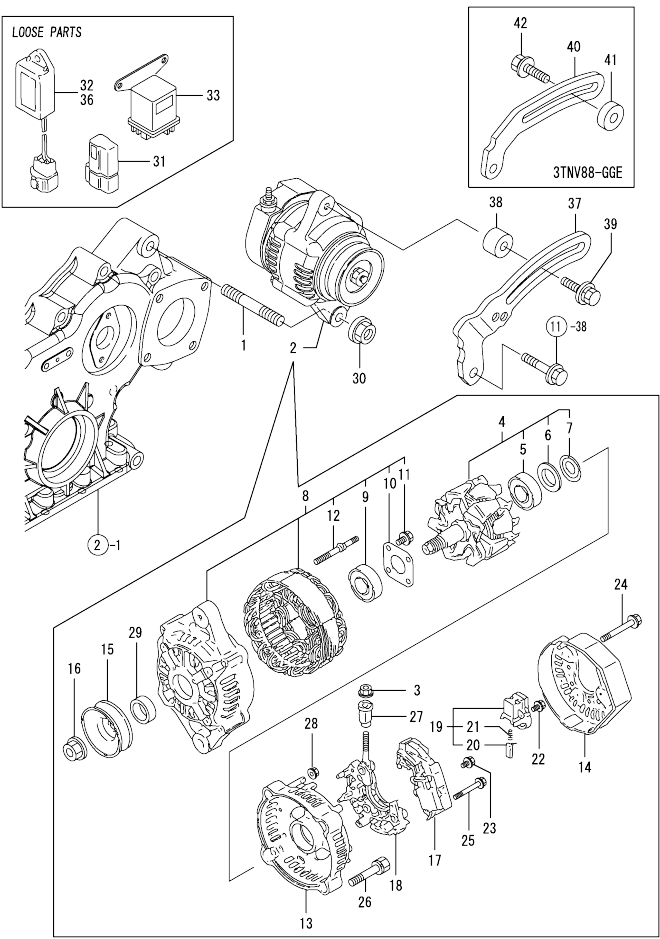
(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER, RA1.2				1				
2	2	X0283060061	ROLLER				5				
3	2	129129-77460	SCREW				2				
4	2	X9490561370	NUT				1				
5	2	X9491200240	BALL, STEEL				1				
6	2	129129-77210	YOKE ASSY				1				
7	2	129129-77220	ARMATURE ASSY				1				
8	3	129129-77230	BEARING, BALL				1				
9	3	129129-77240	BEARING, BALL				1				
10	2	129129-77250	STARTER				1				
11	3	X0280210230	NUT, PINION STOP				1				
12	3	X0283270140	RETAINER, SNAP				1				
13	3	X9491703371	SPRING, COIL				1				
14	3	129129-77390	CLUTCH ASSY, STARTER				1				
17	3	129129-77400	SHAFT, STARTER				1				
18	3	129129-77410	SPRING, COIL				1				
19	3	129129-77420	PINION, STARTER				1				
20	3	129129-77430	RING, SNAP				1				
21	2	129129-77260	RETAINER				1				
22	2	129129-77270	PINION				1				
23	2	129129-77280	HOUSING, STARTOR				1				
24	2	129129-77290	FRAME, STARTER END				1				
25	2	129129-77300	HOLDER ASSY				1				
26	3	X9491730461	SPRING, BRUSH				4				
27	2	129129-77310	SWITCH ASSY, MAGNET				1				
28	2	129129-77320	BOLT, W/WASHER				2				
29	2	129129-77330	BOLT				2				
30	2	129129-77340	SPRING				1				
31	2	129129-77350	O-RING				2				
32	2	129129-77362	COVER				1				
34	2	129129-77380	CAP				1				
35	1	26116-120252	BOLT, M12X 25 PLATED				2				

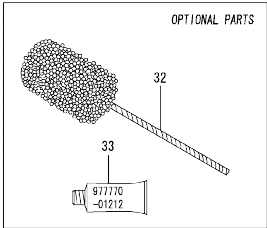
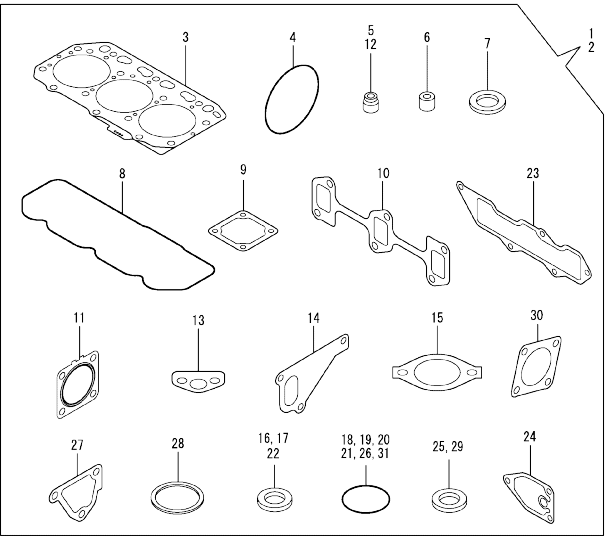


OCR10-M56400 ENGINE
Fig.17. GENERATOR



										OCR10-M56400 Fig.17	
										(A)=3TNV88-DSA (B)=3TNV88-DSA2 (C)=3TNV88-DSA3	
										(D)=3TNV88-GGE (E)= (F)=	
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I R	
No.	Lev.	Parts No.	Description								
1	1	129795-01900	BOLT, M10X30			1	1	1	1		
2	1	129423-77200	GENERATOR, 12V-40A			1	1	1	1		
3	2	X9490561001	NUT			1	1	1	1		
4	2	119620-77380	ROTOR ASSY			1	1	1	1		
5	3	123501-79240	BEARING, BALL			1	1	1	1		
6	3	119620-79250	COVER, BEARING			1	1	1	1		
7	3	119620-79360	WASHER, THRUST			1	1	1	1		
8	2	119620-77421	FRAME ASSY, DRIVE			1	1	1	1		
9	3	119620-79200	BEARING, BALL			1	1	1	1		
10	3	119620-79210	PLATE, RETAINER			1	1	1	1		
11	3	119620-79220	SCREW			4	4	4	4		
12	3	119620-79230	STUD			2	2	2	2		
13	2	119620-77440	FRAME ASSY, REAR			1	1	1	1		
14	2	129240-79300	COVER			1	1	1	1		
15	2	119620-77461	PULLEY, GENERATOR			1	1	1	1		
16	2	119620-77471	NUT			1	1	1	1		
17	2	129423-77710	REGULATOR ASSY			1	1	1	1		
18	2	119620-79260	HOLDER ASSY			1	1	1	1		
19	2	119620-79270	HOLDER ASSY, BRUSH			1	1	1	1		
20	3	119620-77480	BRUSH ASSY, SUB			2	2	2	2		
21	3	119620-79280	SPRING			2	2	2	2		
22	2	119620-79290	SCREW			6	6	6	6		
23	2	119620-79300	SCREW			1	1	1	1		
24	2	119620-79310	BOLT			3	3	3	3		
25	2	119620-79320	SCREW, W/WASHER			2	2	2	2		
26	2	119620-79330	BOLT			2	2	2	2		
27	2	119620-79340	BUSH, INSULATION			1	1	1	1		
28	2	119620-79350	NUT			2	2	2	2		
29	2	119620-77490	COLLAR			1	1	1	1		
30	1	26306-100002	NUT, M10			1	1	1	1		
31	1	119643-66900	DIODE			1	1	1	1		
32	1	129211-77920	TIMER, SECTION 1			1	1	1	1		
33	1	119650-77910	RELAY ASSY, GLOW			1	1	1	1		
36	1	128300-77920	TIMER, GLOW PLUG			1	1	1	1		
37	1	129064-77330	ADJUSTER, BELT			1	1	1	1		
38	1	129067-77340	SPACER, ADJUSTER			1	1	1	1		
39	1	26014-080452	BOLT, M8X 45			1	1	1	1		
40	1	119940-77330	ADJUSTER, BELT							1	
41	1	119940-77270	SPACER, GENERATOR							1	
42	1	119802-77340	BOLT, ADJUSTER L=40							1	

Fig.18. GASKET SET



Remarks
(1)Optional parts.

(A)=3TNV88-DSA
(B)=3TNV88-DSA2
(C)=3TNV88-DSA3

(D)=3TNV88-GGE
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-92780	GASKET SET	1	1	1					1
2	1	729001-92790	GASKET SET					1			1
3	2	129001-01340	GASKET, HEAD	1	1	1	1				
4	2	121850-51960	O-RING, FUEL PUMP	1	1	1	1				
5	2	124460-11340	SEAL, VALVE STEM	3	3	3	3				
6	2	119802-11870	PROTECTOR, NOZZLE	3	3	3	3				
7	2	119625-11880	SEAT, NOZZLE	3	3	3	3				
8	2	129004-11310	GASKET, BONNET	1	1	1	1				
9	2	129150-77511	GASKET, AIR HEATER	1	1	1	1				
10	2	129150-13110	GASKET, MANIFOLD	1	1	1	1				
11	2	129004-13200	GASKET, SILENCER	1	1	1	1				
12	2	121400-11340	SEAL, VALVE STEM	3	3	3	3				
13	2	129150-35041	GASKET	1	1	1	1				
14	2	129486-42021	GASKET, WATER PUMP	1	1	1	1				
15	2	129795-49551	GASKET, COVER	1	1	1	1				
16	2	22190-220002	WASHER, SEAL 22	1	1	1	1				
17	2	22190-080002	WASHER, SEAL 8	2	2	2	2				
18	2	119609-32040	O-RING, P16	4	4	4	4				
19	2	24311-000120	O-RING, 1AP12.0	3	3	3	3				
20	2	24311-000320	O-RING, 1AP32.0	2	2	2	2				
21	2	24341-000240	O-RING, 1AS24.0	1	1	1	1				
22	2	22190-100002	WASHER, SEAL 10	2	2	2	2				
23	2	129001-12110	GASKET, MANIFOLD	1	1	1	1				
24	2	129150-35111	GASKET, BRACKET	1	1	1	1				
25	2	23414-080000	GASKET, 8X1.0	1	1	1	1				
26	2	129486-42140	O-RING, G30	1	1	1	1				
27	2	124395-49840	GASKET, THERMOSTAT	1	1	1	1				
28	2	129150-49811	GASKET, THERMOSTAT	1	1	1	1				
29	2	124465-44950	GASKET, 16	2	2	2	2				
30	2	124240-01883	GASKET, PUMP	1	1	1	1				
31	2	24321-000800	O-RING, 1AG80.0	1	1	1	1				
32	1	129400-92430	HONE, FLEX	1	1	1	1				1
33	1	977770-01212	GASKET, LIQUID	1	1	1	1				1

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114250-53080	13	38
114250-53120	13	43
114250-53130	13	44
114250-53140	13	45
114250-53210	13	46
114250-53400	13	47
118400-77170	15	12
119131-18320	7	3
119225-52102	14	3
119305-59120	13	1
119593-59580	13	29
119609-32040	2	17
	3	17
	18	18
119620-01750	4	18
119620-77380	17	4
119620-77421	17	8
119620-77440	17	13
119620-77461	17	15
119620-77471	17	16
119620-77480	17	20
119620-77490	17	29
119620-79200	17	9
119620-79210	17	10
119620-79220	17	11
119620-79230	17	12
119620-79250	17	6
119620-79260	17	18
119620-79270	17	19
119620-79280	17	21
119620-79290	17	22
119620-79300	17	23
119620-79310	17	24
119620-79320	17	25
119620-79330	17	26
119620-79340	17	27
119620-79350	17	28
119620-79360	17	7
119625-11880	5	16
	18	7
119640-01640	4	5
119643-66900	17	31
119650-77910	17	33
119802-01520	3	12
119802-01560	2	13
	3	13
119802-03110	5	27
119802-03121	5	28

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119802-03141	5	30
119802-11260	5	6
119802-11270	5	7
119802-11280	5	8
119802-11870	5	15
	18	6
119802-21202	9	5
119802-25051	8	4
119802-25070	8	8
119802-25100	8	5
119802-25901	8	11
119802-32070	2	8
	3	8
119802-32100	2	7
	3	7
119802-32111	2	18
	3	18
119802-32120	2	19
	3	19
119802-32130	2	20
	3	20
119802-35100	10	35
119802-35110	10	22
		36
119802-39450	10	8
119802-49113	11	10
119802-49730	11	33
119802-51250	12	1
119802-55700	14	4
119802-55710	14	5
119802-55730	14	8 A
119802-55800	14	2
119802-59550	13	23
119802-59560	13	25
119802-77340	17	42
119831-42290	11	45
119865-21600	9	40
		47
119865-42290	11	40
119888-01600	4	22
119888-21450	9	41
119934-01800	3	6 -1
119940-77270	17	41
119940-77330	17	40
120130-11860	5	47
120270-54410	5	18
121023-01550	2	28
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121111-21501	9	11

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121267-44741	11	41
121267-44760	11	47
121400-11340	5	57
	18	12
121450-42450	11	27
121520-34810	10	2
121550-23200	9	25
121850-21680	9	10
121850-42410	11	8
121850-51960	2	21
	3	21
	18	4
123501-79240	17	5
123900-13610	7	5
123900-13630	7	4
123951-03330	10	30
124060-01050	1	5
124060-77680	13	30
124160-01751	2	14
	3	14
	5	23
124160-01910	1	7
		8
124160-11360	5	36
124160-39140	10	7
124195-77770	15	24
124240-01871	2	15
		32
	3	15
124240-01883	2	33
	18	30
124395-49840	11	17
	18	27
124460-11340	5	58
	18	5
124465-44950	11	29
	30	
	18	29
124550-21600	9	52
124722-59050	11	34
		37
	13	24
		27
124766-59050	14	11
		14
128300-77920	17	36
129001-01250	1	6
129001-01340	1	33
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129001-12110	6	4
	18	23
129001-32330	2	11
	3	11
129001-91841	2	22
	3	22
129004-01190	1	31
129004-03010	5	25
129004-03080	6	1
129004-11100	5	53
129004-11241	5	3
129004-11251	5	4
129004-11310	5	33
	18	8
129004-11350	5	24
129004-11650	5	10
129004-11700	5	41
129004-11900	5	17
129004-12100	6	3
129004-13109	7	1
129004-13200	7	7
	18	11
129004-14580	8	16
129004-21002	9	1
129004-21650	9	36
129004-34801	10	1
129004-42001	11	1
129004-42040	11	15
129004-49610	11	31
129004-49620	11	35
129004-49711	11	32
129004-49721	11	36
129004-53001	13	33
129004-55610	14	1
129004-59810	13	10
129004-59820	13	14
129004-59830	13	18
129005-01520	2	12
129005-11100	5	52
129005-11700	5	40
129005-21650	9	48
129005-22080	9	12
129005-22500	9	14
129005-22900	9	30
129005-22950	9	32
129005-59830	10	9
129006-35100	10	21
129006-44480	10	24
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129100-01580	4	1
		11
	9	2
129100-01640	4	12
129100-01730	4	2
129100-01760	4	4
129100-11110	5	54
129100-23910	9	24
129100-35140	10	37
129100-35301	10	4
129100-42051	11	3
129100-42121	11	4
129100-55690	14	6
129103-49301	10	34
129120-77501	6	7
129129-01600	4	24
129129-14580	8	15
129129-77010	16	1
129129-77210	16	6
129129-77220	16	7
129129-77230	16	8
129129-77240	16	9
129129-77250	16	10
129129-77260	16	21
129129-77270	16	22
129129-77280	16	23
129129-77290	16	24
129129-77300	16	25
129129-77310	16	27
129129-77320	16	28
129129-77330	16	29
129129-77340	16	30
129129-77350	16	31
129129-77362	16	32
129129-77380	16	34
129129-77390	16	14
129129-77400	16	17
129129-77410	16	18
129129-77420	16	19
129129-77430	16	20
129129-77460	16	3
129150-01200	1	32
129150-02020	1	10
129150-02450	8	17
129150-02870	1	34
129150-02930	1	28
129150-02940	1	37

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129150-03070	5	26
129150-11230	5	11
129150-11280	5	9
129150-11370	5	14
129150-11750	5	13
129150-11810	5	49
129150-13110	7	2
	18	10
129150-14101	8	21
129150-14200	8	1
129150-14400	8	2
129150-23600	9	26
129150-23610	9	28
129150-25301	8	10
129150-35041	10	3
	18	13
129150-35111	10	15
	18	24
129150-35170	10	16
129150-49811	11	22
	18	28
129150-59120	13	5
129150-59131	13	4
		8
129150-77511	6	8
	18	9
129155-42350	11	44
129155-49801	11	21
129188-21590	9	37
129202-22300	9	18
129210-59100	14	10
129210-59230	14	13
129211-77920	17	32
129236-03120	5	28 -1
129236-11350	5	24 -1
129240-79300	17	14
129242-55700	14	4 -1
129242-55720	14	8 A-1
129242-55730	14	5 -1
129242-55740	14	8 B
129242-55750	14	8 C
129242-55760	14	8 D
129242-55770	14	8 E
129242-77010	15	2
129242-77100	15	4
129242-77110	15	5
129242-77120	15	6
129242-77130	15	7
129242-77140	15	8
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129242-77170	15	11
129242-77180	15	13
129242-77210	15	16
129242-77260	15	20
129242-77270	15	22
129242-77280	15	23
129246-53001	13	34
129350-49530	11	23
129400-92430	18	32
129403-42380	11	39
129410-03990	6	2
129417-33110	10	20
129417-35150	10	23
129418-32320	2	10
	3	10
129423-77200	17	2
129423-77710	17	17
129430-26070	2	35
129486-01670	4	15
129486-42021	11	14
	18	14
129486-42140	11	16
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129486-59551	13	26
129508-33010	10	19
129508-49030	10	25
129555-59511	14	15
129612-01600	4	23
129698-77020	15	3
129698-77190	15	14
129698-77200	15	15
129698-77220	15	17
129698-77230	15	18
129698-77250	15	19
129795-01780	4	14
129795-01800	2	6
	3	6
		6 -2
129795-01900	17	1
129795-01950	2	16
	3	16
129795-02411	1	13
129795-11120	5	55
129795-11180	5	56
129795-21661	9	9
129795-49551	11	24
	18	15
129900-07900	5	1
129900-32130	2	9

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129916-49740	11	13
158552-51151	8	12
171008-03990	10	26
171051-01921	1	9
171056-49120	10	18
171340-21580	9	44
171340-21590	9	49
171353-44760	11	42
171420-01600	4	25
22190-080002	10	11
		12
	18	17
22190-100002	10	13
	18	22
22190-220002	4	7
	18	16
22217-140000	8	13
22252-000260	9	19
22351-030010	9	8
22351-060012	5	19
22512-070140	8	22
	9	6
22857-500100	5	34
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23080-015000	10	28
		32
23080-018000	10	33
23414-080000	11	26
	18	25
23857-030000	10	10
23876-010000	11	11
23876-020000	11	12
23876-030000	2	4
	3	4
23876-040000	2	5
	3	5
24104-062054	9	42
24311-000120	5	37
	18	19
24311-000160	14	8
24311-000320	2	23
	3	23
	5	38
	18	20
24321-000650	14	7
24321-000750	14	7 -1
24321-000800	2	36
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26106-060162	2	30
	3	30
26106-060302	11	48
26106-060402	11	43
26106-080122	11	20
26106-080142	5	2
	8	3
26106-080162	2	24
		25
		34
	3	24
		25
	4	8
	11	18
26106-080202	12	2
	6	5
	10	17
	12	3
26106-080222	9	43
	11	25
26106-080252	2	37
	4	9
	5	20
26106-080302	14	9
26106-080352	4	16
	5	21
	6	9
	10	5
26106-080402	8	9
26106-080452	4	10
		10
	11	38
26106-080502	4	26
	5	22
26106-080552	2	26
	3	26
26106-080602	11	19
26106-080802	6	6
26106-100302	2	38
26116-120202	15	1
26116-120252	16	35
26206-100202	4	21
26206-100252	4	19
26206-100302	4	20
26306-080002	2	27
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26306-100002	17	30
26366-060002	10	14
26776-140002	8	14
27241-120000	1	14
27241-300000	1	15
27241-400000	5	51
27310-080001	5	59
719802-01500	3	1
729001-92780	18	1
729001-92790	18	2
729004-53101	13	31
729005-01500	2	1
729005-01560	1	1
729005-51310	12	4
729046-01500	3	1
729246-53101	13	32
729247-51390	12	5
729402-23100	9	20
977770-01212	2	31
	3	31
	4	17
	5	39
	18	33
X0280210230	16	11
X0283060061	16	2
X0283270140	16	12
X2114535200	15	21
X9490561001	17	3
X9490561370	16	4
X9491200240	16	5
X9491703371	16	13
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Parts No.	Fig. No.	Ref. No.