

0CD10-M50000EN

PREFACE

1. This Parts Catalog is the 1st edition of 3TNE68-MY Diesel Engine for MARUYAMA SEISAKUSYO.

Pub. No. : 000Y00D5000
Published : September, 1994

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNE68-MY	SPRAYER SHUTTLE	—	MARUYAMA SEISAKUSYO

Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)									
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1	1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N
		(A=E00185) (B=E00200)							
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9	
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)							
4	2	129470-51040	CAMSHAFT	1	1	1	1	1	
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2	
6	2	129470-51060	RETAINER	1	1	1	1	1	

Remarks

(1) BOOST COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

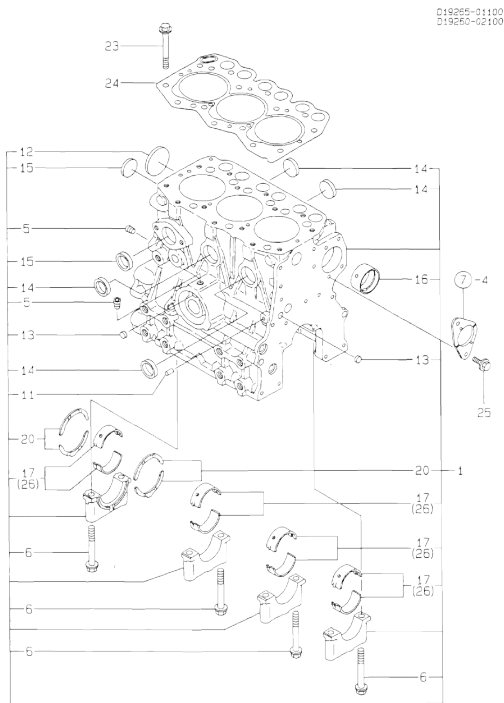
Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE 3TNE68-MY			
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2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
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15.	STARTING MOTOR		
16.	GENERATOR		
17.	ELECTRIC PARTS		
18.	GASKET SET		

0CD10-M50000

Fig.1. CYLINDER BLOCK

Y0005000
3TNE68-MY



Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

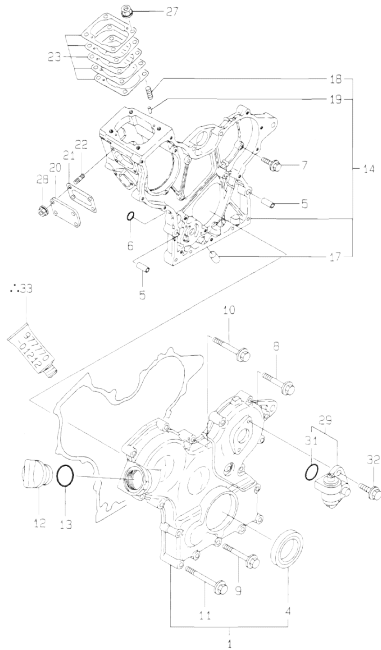
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	2							
6	2	119260-02020	BOLT, METAL CAP	8							
11	2	27221-060100	PLUG, 6X10	1							
12	2	27231-400000	PLUG 40	1							
13	2	27241-100000	PLUG, 10	2							
14	2	27241-250000	PLUG, 25	4							
15	2	27241-300000	PLUG 30	2							
16	2	119260-02410	BUSH, CAMSHAFT	1							
17	2	719260-02800	BEARING, MAIN	4							
20	2	719260-02930	BEARING, THRUST	2							
23	1	119260-01200	BOLT, HEAD	14							
24	1	119265-01340	GASKET, HEAD	1							G
24-1	1	119265-01341	GASKET, HEAD	1							N G
(A=*1996.07)											
25	1	26106-060122	BOLT, M6X 12 PLATED	2							
26	1	719260-02870	BEARING, 0.25 US	4							1

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING

Y00D5000
3TNE68-MY



※此が今回変更（追加）した箇所です。
※MARKED PART HAS BEEN CHANGED (ADDED)

Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-01590	COVER ASSY,GEAR CASE	1							
4	2	119620-01800	SEAL, OIL	1							
5	1	119660-01911	PIPE, KNOCK	4							
6	1	24311-000120	O-RING, 1AP12.0	2							G
7	1	26106-060162	BOLT, M6X 16 PLATED	5							
8	1	26106-060302	BOLT, M6X 30 PLATED	5							
9	1	26106-060402	BOLT, M6X 40 PLATED	3							
10	1	26106-060502	BOLT, M6X 50 PLATED	4							
11	1	26106-060652	BOLT, M6X 65 PLATED	6							
12	1	124160-01751	COVER, FILLER	1							
13	1	24311-000320	O-RING, 1AP32.0	1							G
14	1	119260-01490	CASE ASSY, GEAR	1							
17	2	119260-01510	PLUG	1							
18	2	121450-01560	STUD, M8X22	4							
19	2	22351-040010	PIN, SPRING 4.0X10	2							
20	1	119660-01551	COVER	1							
21	1	119660-01562	GASKET	1							G
22	1	119660-01570	STUD, M6X12	4							
23	1	119620-01950	SHIM SET, ADJUSTING	1							
23-1	1	119623-01950	SHIM SET, ADJUSTING	1							N
(A=E09805)											
27	1	194990-22050	NUT, M8	4							
28	1	26366-060002	NUT, M6	4							
29	1	129150-91400	GEAR	1							
31	2	24341-000240	O-RING, 1AS24.0	1							G
32	1	26106-060162	BOLT, M6X 16 PLATED	2							
33	1	977770-01212	GASKET, LIQUID	1							W 1
(A=FROM 1ST)											

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.3. FLYWHEEL HOUSING & OIL SUMP

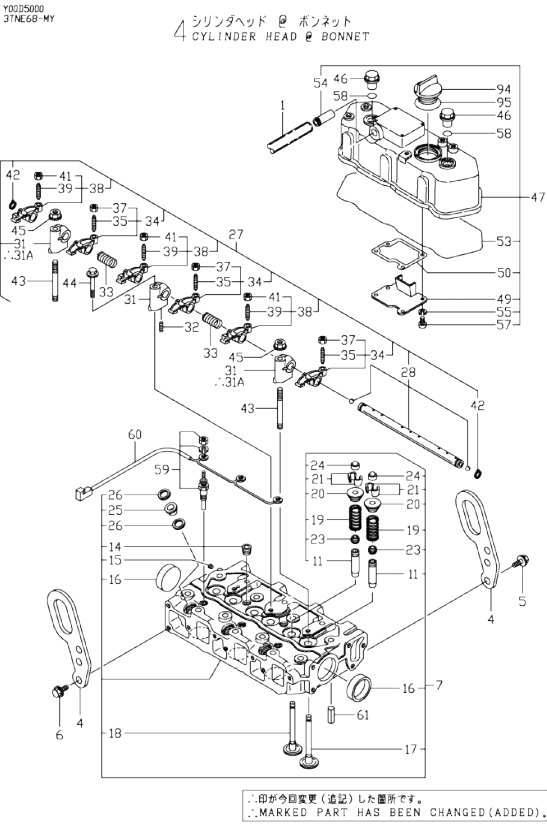


N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.4. CYLINDER HEAD & BONNET

Y0025000
3TNE68-MY



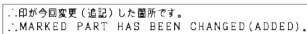
Remarks
(1) REPAIR PART.
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	49934-000136	PIPE, 12X15	1							
1-1	1	23065-120500	PIPE, 12X 500	1							N
(A=FROM 1ST)											
4	1	119260-07900	LIFTER	2							
5	1	26106-080142	BOLT, M8X 14 PLATED	1							
6	1	26106-080142	BOLT, M8X 14 PLATED	2							
7	1	119265-11700	HEAD ASSY, CYLINDER	1							
11	2	119260-11800	GUIDE, VALVE	6							1
14	2	23871-020000	PLUG, R02	2							
14-1	2	23871-030000	PLUG, R03	2							S
(A=E09102)											
15	2	27221-050080	PLUG, 5X 8	1							
16	2	27241-350000	PLUG, 35	2							
17	2	119260-11100	VALVE, INTAKE	3							
18	2	119260-11110	VALVE, EXHAUST	3							
19	2	114250-11120	SPRING, VALVE	6							
20	2	114250-11180	RETAINER, SPRING	6							
21	2	714250-11570	COTTER ASSY	6							
23	2	119260-11340	SEAL, VALVE STEM	6							G
24	2	119260-11370	CAP, VALVE	6							
25	2	119600-11450	PROTECTOR, NOZZLE	3							G
26	2	119600-11460	GASKET, NOZZLE	6							
27	1	119260-11200	SUPPORT ASSY, ARM	1							G
28	2	119260-11240	SHAFT ASSY, ROCKER	1							
31	2	119260-11260	SUPPORT, ROCKER ARM	3							
31-1	2	119260-11260	SUPPORT, ROCKER ARM	1							K
(A=E16849)											
31A	2	119265-11260	SUPPORT, ROCKER ARM	2							W
(A=E16849)											
32	2	119260-11270	SCREW	1							
33	2	119260-11280	SPRING	2							
34	2	719260-11650	ARM ASSY, ROCKER	3							
35	3	105010-11230	SCREW, VALVE ADJUST	3							
37	3	26756-060002	NUT, LOCK M6	3							
38	2	719260-11660	ARM ASSY, ROCKER	3							
39	3	105010-11230	SCREW, VALVE ADJUST	3							
41	3	26756-060002	NUT, LOCK M6	3							
42	2	22242-000100	RING, 10	2							
43	1	119620-11350	STUD	2							
44	1	26106-080452	BOLT, M8X 45 PLATED	1							
45	1	26366-080002	NUT, M8	2							
46	1	124160-11360	KNOB	2							
47	1	719260-11520	BONNET ASSY, HEAD	1							
49	2	119260-03020	PLATE, SHELTER	1							
50	2	119260-03031	GASKET	1							G
53	2	119260-11310	GASKET, BONNET	1							G
54	2	119620-11390	JOINT	1							
55	2	22217-050000	WASHER, SPRING 5	4							
57	2	26557-050102	SCREW, M5X10	4							
58	1	24311-000120	O-RING, 1AP12.0	2							G
59	1	129795-77800	PLUG, GLOW	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.4. CYLINDER HEAD & BONNET

4 シリンダヘッド @ ボンネット
CYLINDER HEAD @ BONNET

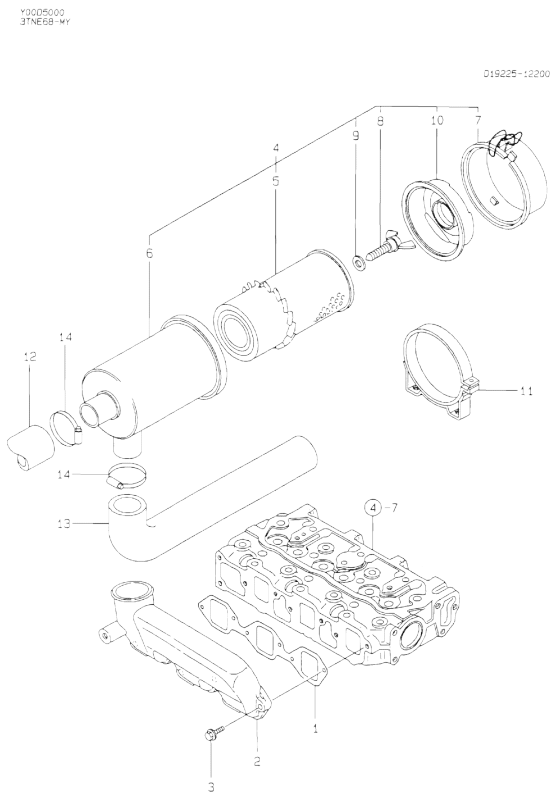


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
60	1	119620-77820	CONNECTOR, GLOW PLUG	1							
61	1	22351-060012	PIN, SPRING 6.0X12	2							
94	1	124160-01751	COVER, FILLER	1							
95	1	24311-000320	O-RING, 1AP32.0	1							

N:Old New. Q:Old New. R:Old New. S:Old New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change
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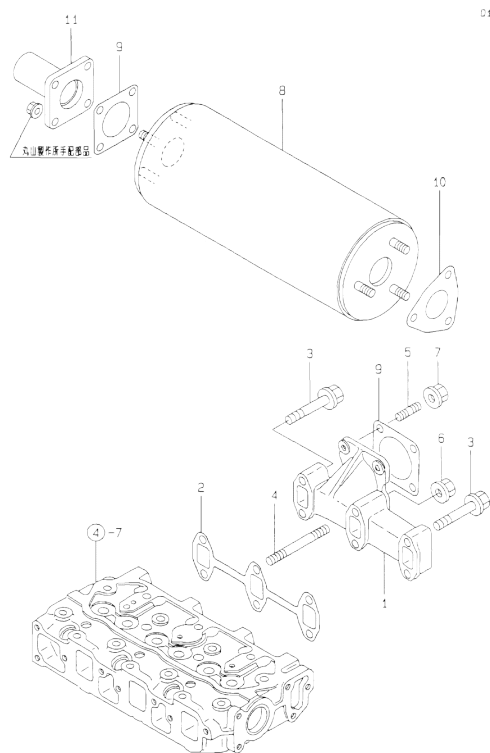
Fig.5. SUCTION MANIFOLD & AIR CLEANER



Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-12111	GASKET, MANIFOLD	1							
2	1	119260-12100	MANIFOLD, AIR INTAKE	1							G
3	1	26106-060202	BOLT, M6X 20 PLATED	4							
4	1	124970-12500	CLEANER ASSY, AIR	1							
5	2	121465-12510	ELEMENT	1							
6	2	124970-12640	BODY, AIR CLEANER	1							
7	2	124970-12660	SUMP ASSY, DUST	1							
8	2	124064-12680	BOLT	1							
9	2	124064-12690	WASHER	1							
10	2	124970-12700	RETAINER, ELEMENT	1							
11	1	171126-12580	BAND, AIR CLEANER	1							
12	1	119858-12070	PIPE, AIR INTAKE	1							
13	1	119632-12211	PIPE, AIR INTAKE	1							
14	1	23000-060000	CLAMP, 60	5							

Fig.6. EXHAUST MANIFOLD & SILENCER



Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

				(A)=3TNE68-MY					(D)=		
				(B)=					(E)=		
				(C)=					(F)=		
No.	Lev.	Parts No.	Description	Q'ty				I	R		
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-13100	MANIFOLD, EXHAUST	1							
2	1	119260-13110	GASKET	1							G
3	1	26106-060352	BOLT, M6X 35 PLATED	4							
4	1	26216-060402	STUD, M6X 40	2							
5	1	26216-080222	STUD, M8X 22	4							
6	1	26366-060002	NUT, M6	2							
7	1	194990-22050	NUT, M8	4							
8	1	119232-13500	SILENCER	1							
9	1	124701-11911	GASKET, SILENCER	2							G
10	1	103954-13201	GASKET, SILENCER	1							
11	1	119232-13510	PIPE	1							

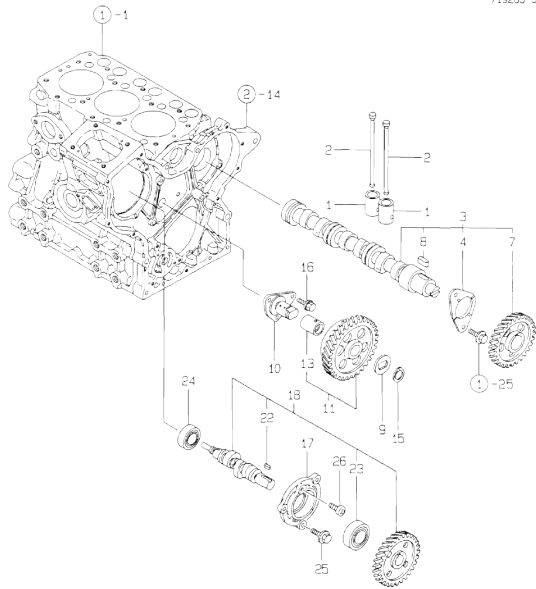
N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

OCD10-M50000

Fig.7. CAMSHAFT & DRIVING GEAR

Y00D5000
3TNE68-MY

019250-14110
019250-25100
719665-51120



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119260-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
7	2	119260-14100	GEAR, CAMSHAFT	1							
8	2	22512-040120	KEY, 4X 12	1							
9	1	119660-25022	RETAINER	1							
10	1	119660-25052	SHAFT, IDLE	1							
11	1	119260-25100	GEAR ASSY, IDLE	1							
13	2	119620-25912	BUSH	1							1
15	1	22242-000200	RING, 20	1							
16	1	26106-060122	BOLT, M6X 12 PLATED	3							
17	1	119660-01821	BEARING, FUEL CAM	1							
18	1	119225-14200	CAM ASSY	1							
22	2	22512-040120	KEY, 4X 12	1							
23	2	24102-063034	BEARING, BALL 6303U	1							
24	1	24101-062034	BEARING, BALL 6203	1							
25	1	26106-060162	BOLT, M6X 16 PLATED	3							
26	1	26587-080102	SCREW, M8X10	1							

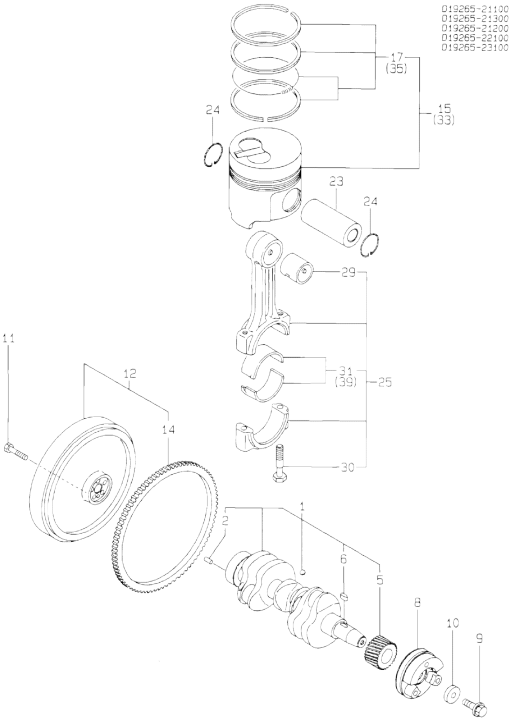
Remarks
(1) REPAIR PART.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{YES}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.8. CRANKSHAFT & PISTON

Y00D5000
3TNE68-MY



Remarks
(1) REPAIR PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) UNDER-SIZE(U.S=0.25)PART.

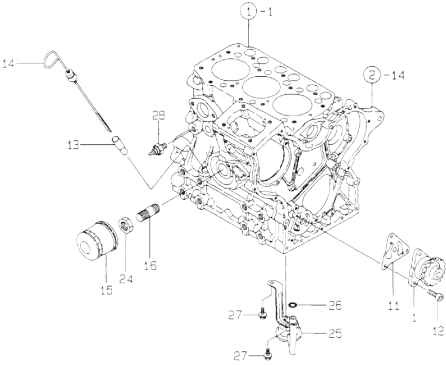
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119260-21200	GEAR, CRANKSHAFT	1							
6	2	22512-040120	KEY, 4X 12	1							
8	1	119265-21650	V-PULLEY	1							
9	1	119621-21680	BOLT, FLANGE 12X1.25	1							
10	1	119620-21941	WASHER	1							
11	1	121111-21501	BOLT, FLYWHEEL	5							
12	1	119265-21590	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	119265-22090	PISTON ASSY	3							
15-1	1	119265-22601	PISTON ASSY	3						N	
(A=FROM 1ST)											
17	2	119265-22500	RING SET, PISTON	3							
23	1	119265-22300	PIN, PISTON	3							
24	1	22252-000200	RING, 20	6							
25	1	119265-23100	ROD ASSY, CONNECTING	3							
29	2	119260-23910	BEARING, PISTON PIN	3							1
30	2	119265-23200	BOLT, CONNECTING ROD	6							
31	2	719260-23600	BEARING, CRANK PIN	3							
33	1	719265-22900	PISTON ASSY, 0.25 OS	3							2
35	2	719265-22950	RING SET, 0.25 OS	3							2
39	1	719260-23610	BEARING ASSY, 0.25	3							3

OCD10-M50000

Fig.9. LUB.OIL SYSTEM

*30075000
3TNE68-MY

019250-32100
019305-35100
019250-35020
019500-39100
019255-34110



Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

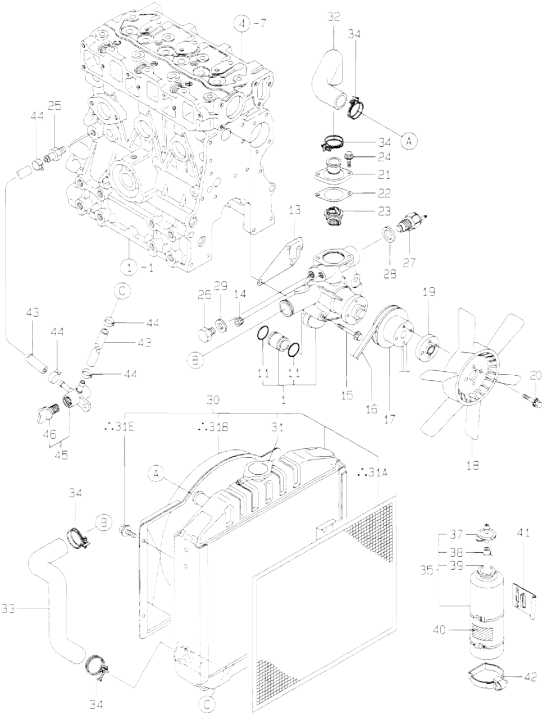
No.	Lev.	Parts No.	Description	(A)=3TNE68-MY (B)= (C)=						Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119260-32000	PUMP ASSY, OIL	1								
11	1	119660-32020	GASKET, PUMP	1								G
12	1	26450-060202	BOLT, M6X 20	3								
13	1	121520-34810	GUIDE, DIPSTICK	1								
14	1	119265-34820	DIPSTICK, OIL	1								
15	1	119305-35150	FILTER, OIL	1								
16	1	119225-35300	VALVE ASSY	1								
24	1	129150-35350	NUT	1								
25	1	119260-35081	PIPE, OIL INLET	1								
26	1	24311-000120	O-RING, 1AP12.0	1								G
27	1	26106-060122	BOLT, M6X 12 PLATED	2								
28	1	124160-39450	SWITCH, 0.5KG	1								

OCD10-M50000

Fig.10. COOLING WATER SYSTEM

Y0005000
3TNE68-MY

● 訂正 No. 00010055376-1
● 訂正日 1998. 6.
● 訂正部 247. 1998



Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-42001	PUMP ASSY, WATER	1							
1-1	1	119265-42002	PUMP ASSY, WATER	1							R
(A=E05130)											
11	2	24311-000210	O-RING, 1AP21.0	2							
13	1	119260-42020	GASKET, WATER PUMP	1							G
14	1	171056-49120	PLUG, DRAIN	1							
15	1	26106-080452	BOLT, M8X 45 PLATED	3							
16	1	119256-42290	V-BELT, FM33.5	1							
17	1	119620-42350	V-PULLEY	1							
18	1	124251-44740	PLATE	1							
19	1	171353-44760	SPACER, FAN	1							
20	1	26014-060352	BOLT, M6X 35	4							
21	1	129350-49530	COVER, THERMOSTAT	1							
22	1	129350-49541	GASKET	1							G
23	1	129350-49800	THERMOSTAT, 71	1							
24	1	26106-080202	BOLT, M8X 20 PLATED	2							
25	1	121550-49111	JOINT, PT1/4	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, 110	1							
28	1	124465-44950	GASKET, 16	1							G
29	1	124465-44950	GASKET, 16	1							G
30	1	119655-44500	RADIATOR	1							
31	2	124450-44590	CAP, RADIATOR	1							
31A	2	119655-44580		1							W
(A=FROM 1ST)											
31B	2	119655-44610		1							W
(A=FROM 1ST)											
31E	2	26014-060122	BOLT, M6X 12	4							W
(A=FROM 1ST)											
32	1	171301-49010	PIPE, WATER	1							
33	1	119332-49020	PIPE, WATER	1							
34	1	23010-038000	CLAMP, 38	4							
35	1	121450-44510	TANK ASSY, SUB	1							
37	2	121450-44530	CAP	1							
38	2	124450-44560	RETAINER	1							
39	2	23065-070180	PIPE, 7X 180	1							
40	1	121470-44540	LABEL, SUB-TANK	1							
41	1	121256-44600	BRACKET, SUB TANK	1							
42	1	124450-44550	BAND	1							
43	1	121522-59100	PIPE, FUEL D12X500	2							
44	1	124766-59050	CLIP, HOSE 12	5							
45	1	129150-49100	COCK ASSY, 3-WAY	1							
46	2	129150-49080	COCK, DRAIN	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.11. FUEL INJECTION PUMP

This exploded view diagram illustrates the assembly of a mechanical component, likely a valve or actuator. The main body (1) features a central vertical passage. Key components and their assembly sequence are indicated by the numbered callouts:

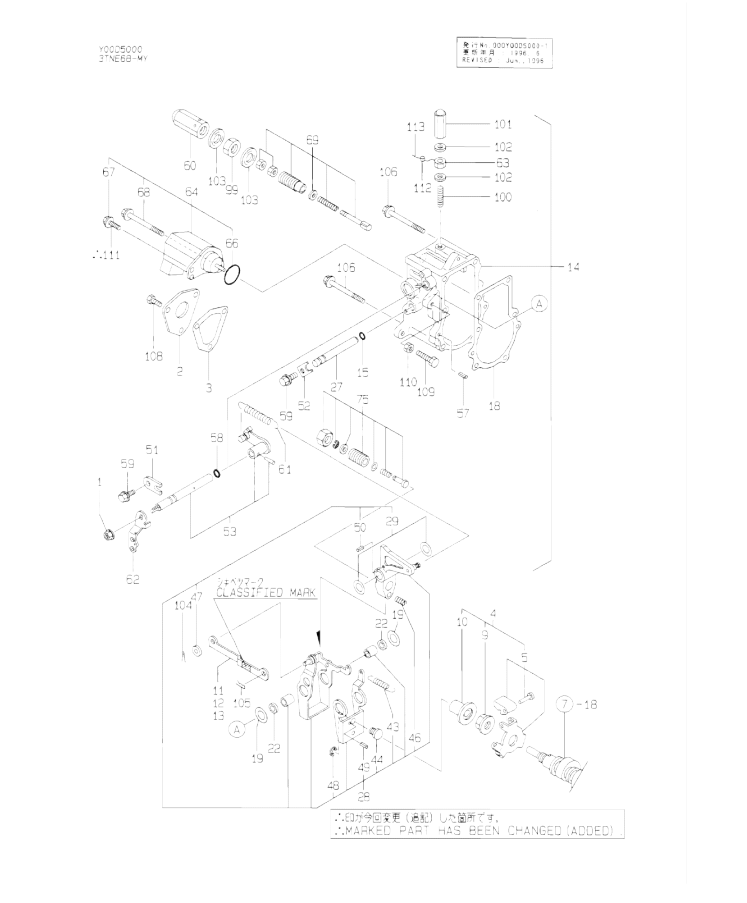
- Top Assembly:** A cap screw (26) is used to secure a seal (28) and a gasket (29) onto a flange (22). A pin (27) is also shown near the flange.
- Internal Components:** A pin (45) is inserted into the side of the main body. A lever arm (30) is attached to the side, featuring a roller (34) and a spring (36). A pin (37) is used to secure the lever arm to the body.
- Bottom Assembly:** A series of components are stacked vertically on the bottom flange, including a nut (32), a washer (7), a spring (9), and a series of seals (8, 10). A pin (38) is used to secure the bottom flange.
- Other Components:** A bracket (43) is attached to the side of the main body, and a pin (44) is used to secure it. A pin (45) is also shown near the bottom flange.

No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	719225-51100	PUMP ASSY, INJECTION	1						
4	2	119225-51100	PLUNGER ASSY	3						
7	2	119620-51170	RETAINER, SPRING A	3						
8	2	119620-51180	RETAINER, SPRING B	3						
9	2	119620-51190	SPRING, PLUNGER	3						
10	2	119620-51250	SHIM SET	3						
22	2	119225-51300	VALVE ASSY, DELIVERY	3						
25	2	105546-51330	SPRING, DELIVERY	3						
26	2	119620-51340	HOLDER, DELIVERY	3						
27	2	119620-51350	GASKET	3						
28	2	119620-51370	O-RING	3						
29	2	119620-51450	PIECE	3						
30	2	119620-51461	PIN	1						
31	2	119660-51500	RACK, CONTROL	1						
32	2	119620-51510	PINION	3						
33	2	119660-51530	RETAINER, RACK	1						
34	2	119620-51650	PLATE	2						
35	2	119620-51660	SCREW	2						
36	2	119620-51670	PIN	2						
37	2	119620-51680	PIN	1						
38	2	119620-51700	TAPPET ASSY	3						
43	2	22137-040000	WASHER, 4	2						
44	2	22217-040000	WASHER, SPRING 4	2						
45	2	26022-040082	SCREW, M4X 8	4						
46	2	26587-040102	SCREW, M4X10	2						

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

OCD10-M50000

Fig.12. GOVERNOR



Remarks
(1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF. TO ILLUSTRATION)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194990-22050	NUT, M8	1							
2	1	119660-61060	COVER, GOVERNOR CASE	1							
3	1	119660-61071	GASKET	1							
4	1	119600-61100	DRIVE ASSY	1							
5	2	119600-61200	WEIGHT ASSY,GOVERNOR	1							
9	2	119660-61300	NUT	1							
10	2	119660-61341	SLEEVE	1							
11	1	119660-61121	LINK, NO MARK	1							1
12	1	119660-61140	LINK, MARK :2	1							1
13	1	119660-61150	LINK, MARK :3	1							1
14	1	119265-61200	CASE ASSY, GOVERNOR	1							
15	2	129155-51280	O-RING, S6	1							
18	2	119660-61052	GASKET	1							
19	2	119660-61460	SHIM SET	1							
22	2	129155-61480	SPACER ASSY	2							
27	2	119660-61491	SHAFT	1							
28	2	119265-61510	LEVER ASSY, GOVERNOR	1							
29	3	174307-51700	SHIM SET	2							
43	3	119232-61540	SPRING	1							
44	3	119600-61540	SHIFTER	1							
44-1	3	119600-61541	SHIFTER	1							N
(A=E10471)											
46	3	119660-61651	SPRING, STARTING	1							
47	3	22117-040000	WASHER, 4	1							
48	3	22272-000040	RING, E- 4	1							
49	3	22351-020004	PIN, SPRING 2.0X 4	1							Z
(A=E10471)											
50	3	22351-030014	PIN, SPRING 3.0X14	1							
51	2	119600-61900	RETAINER, SHAFT	1							
52	2	119660-61901	RETAINER, SHAFT	1							
53	2	119285-66080	SHAFT ASSY	1							
57	2	22351-040010	PIN, SPRING 4.0X10	2							
58	2	24341-000070	O-RING, 1AS7.0	1							
59	2	26106-060102	BOLT, M6X 10 PLATED	2							
60	1	129100-61930	NUT, CAP	1							
61	1	119260-66010	SPRING, REGULATOR	1							
62	1	119621-66051	LEVER, REGULATOR	1							
63	1	124550-66370	NUT, M6	1							
64	1	119285-66500	STOPPER ASSY	1							
66	2	24341-000280	O-RING, 1AS28.0	1							
67	2	26106-060162	BOLT, M6X 16 PLATED	1							Z
(A=FROM 1ST)											
68	2	26106-060952	BOLT, M6X 95 PLATED	1							
69	1	119600-66530	LIMITER ASSY, FUEL	1							
75	1	119600-66700	ANGLEICH ASSY	1							
99	1	124772-66750	NUT, LOCK M12	1							
100	1	121575-66830	SCREW	1							
101	1	119600-66840	NUT, CAP	1							
102	1	22190-060003	SEAL WASER 6	2							
103	1	22190-120002	WASHER, SEAL 12	2							
104	1	22360-040000	PIN, SNAP 4	1							

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.12. GOVERNOR



Remarks
(1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF. TO ILLUSTRATION)

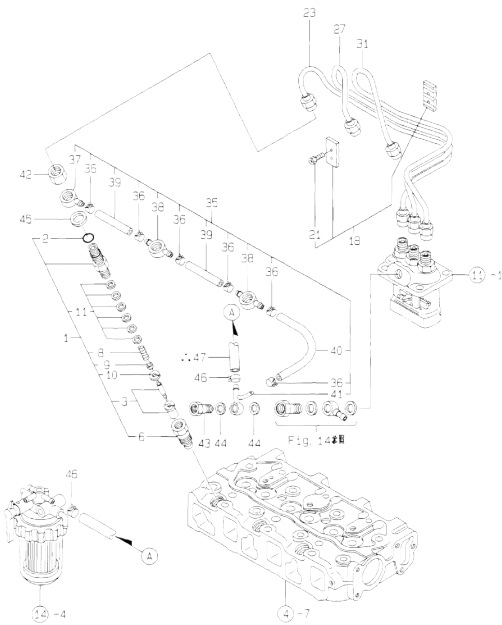
(A=FROM 1ST)

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Fig.13. FUEL INJECTION VALVE

Y3005000
3TNE58-MY

● 19 2021005001-1
● 19 1995 1
● 19 1995 1
● 19 1995 1



△: 追加変更 (追加) した箇所です。
△: MARKED PART HAS BEEN CHANGED (ADDED)

Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.1.
(1) REF.NO.23-1,27-1 & 31-1
INTERCHANGEABLE BY SET.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	3							
2	2	129155-51580	O-RING	3							G
2-1	2	129155-61830	O-RING, S10	3						R	G
(A=E09102)											
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	1	119225-59810	PIPE ASSY, INJECTION	1							
23-1	1	119209-59810	PIPE ASSY, INJECTION	1						F	1
(A=*1996.04)											
27	1	119260-59820	PIPE ASSY, INJECTION	1							
27-1	1	119209-59820	PIPE ASSY, INJECTION	1						F	1
(A=*1996.04)											
31	1	119260-59830	PIPE ASSY, INJECTION	1							
31-1	1	119209-59830	PIPE ASSY, INJECTION	1						F	1
(A=*1996.04)											
35	1	119642-59540	PIPE ASSY, RETURN	1							
36	2	124066-59100	CLIP, HOSE 8	6							
37	2	119260-59520	JOINT	1							
38	2	119260-59530	JOINT	2							
39	2	105025-59550	PIPE, FUEL RETURN	2							
40	2	119642-59550	PIPE, FUEL RETURN	1							
41	2	119642-59570	JOINT, OVER FLOW	1							
42	1	119620-59700	NUT, NOZZLE	3							
43	1	124550-59820	BOLT, PIPE JOINT M8	1							
44	1	23414-080012	GASKET, 8X1.0	2							
45	1	23414-140000	GASKET, 14X1.0	3							G
46	1	124766-59050	CLIP, HOSE 12	2							
47	1	119225-59560	PIPE, FUEL	1							W
(A=FROM 1ST)											

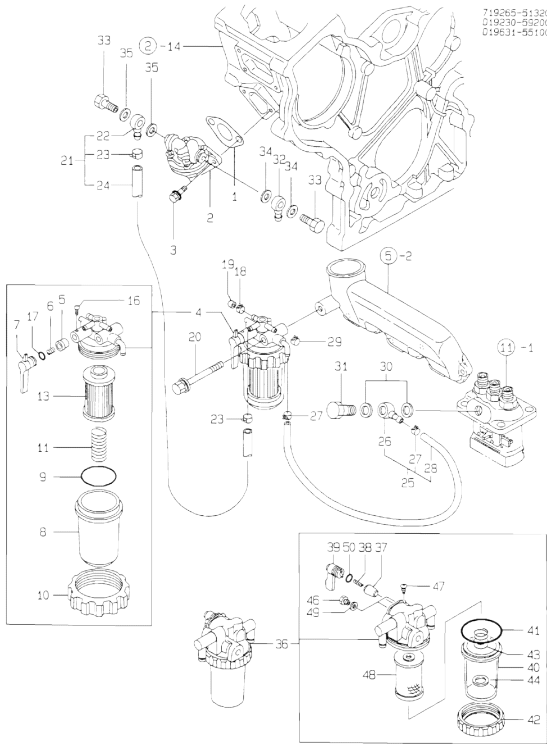
N:Old $\frac{1995}{100}$ New, Q:Old $\frac{1995}{100}$ New, R:Old $\frac{1995}{100}$ New, S:Old $\frac{1995}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M50000

Fig.14. FUEL LINE

Y0025000
3TNE68-MY

719265-51320
019230-55200
019631-55100



(A)=3TNE68-MY
(B)=
(C)=

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

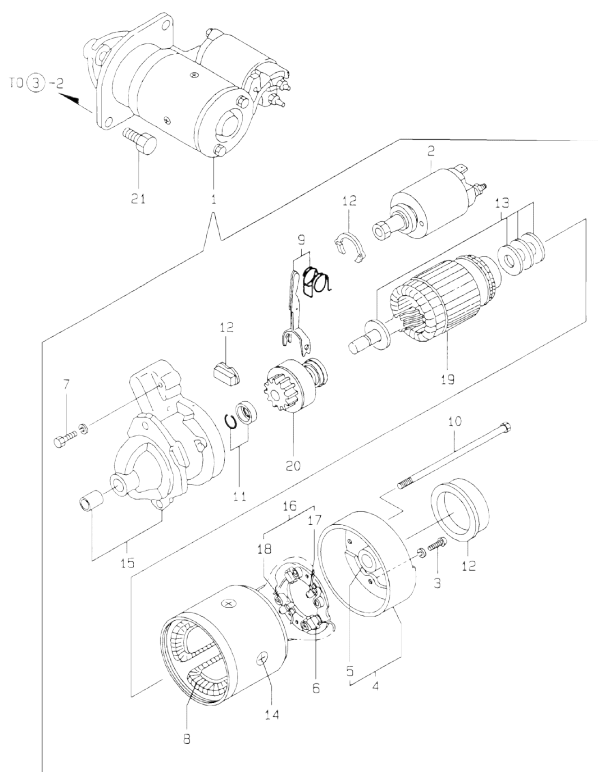
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-01851	GASKET	1							G
2	1	119600-52021	PUMP ASSY, FUEL FEED	1							
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	119632-55620	FILTER ASSY, FUEL	1							
5	2	104200-55321	VALVE, TAPER	1							
6	2	104200-55330	SPRING, VALVE	1							
7	2	119810-55340	LEVER	1							
8	2	121254-55510	COVER	1							
9	2	102103-55520	O-RING	1							
10	2	110250-55610	RING, RETAINING	1							
11	2	121250-55620	SPRING	1							
13	2	124550-55700	FILTER, FUEL L=90	1							
16	2	104200-55750	SCREW, M4	1							
17	2	24311-240100	O-RING, 1AP10A	1							
18	1	124066-59100	CLIP, HOSE 8	1							
19	1	129150-59580	CAP	1							
20	1	26014-080702	BOLT, M8X 70	1							
21	1	119230-59020	PIPE ASSY, FUEL	1							
22	2	104264-59030	JOINT, PIPE 8	1							
23	2	124766-59050	CLIP, HOSE 12	2							
24	2	121256-59080	PIPE, FUEL	1							
25	1	119230-59031	PIPE ASSY, FUEL	1							
26	2	101304-59020	JOINT, PIPE 12	1							
27	2	124766-59050	CLIP, HOSE 12	2							
28	2	119230-59080	PIPE, FUEL D12X185	1							
29	1	124766-59050	CLIP, HOSE 12	1							
30	1	104200-59170	GASKET, 12	2							G
31	1	119650-59200	BOLT, PIPE JOINT M12	1							
32	1	104264-59030	JOINT, PIPE 8	1							
33	1	105582-59150	BOLT, PIPE JOINT	2							
34	1	22190-080002	WASHER, SEAL 6	2							
35	1	22190-080002	WASHER, SEAL 6	2							
36	1	129335-55700	SEPARATOR ASSY, WATER	1							
37	2	104200-55321	VALVE, TAPER	1							
38	2	104200-55330	SPRING, VALVE	1							
39	2	104200-55341	HANDLE	1							
40	2	124064-55510	COVER	1							
41	2	102103-55520	O-RING	1							
42	2	110250-55610	RING, RETAINING	1							
43	2	121257-55720	SPRING	1							
44	2	121257-55731	FLOAT	1							
46	2	101720-55750	PLUG, 6	2							
47	2	104200-55750	SCREW, M4	1							
48	2	171081-55910	SCREEN	1							
49	2	23418-060000	GASKET, 6X1.0	2							
50	2	24311-240100	O-RING, 1AP10A	1							

Remarks
(G) THESE PARTS ARE SOLD BY FIG.18,
REF.NO.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.15. STARTING MOTOR

019631-77100



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119631-77010	STARTER	1							
2	2	X2114275070	SWITCH, MAGNETIC	1							
3	2	X2114283500	SCREW SET	1							
4	2	X2114430010	COVER ASSY, REAR	1							
5	3	X2114535200	METAL, STARTER	1							
6	2	X2114531200	BRUSH (+)	2							
7	2	X2114586700	BOLT M6X 37	2							
8	2	X2114631090	COIL ASSY, FIELD	1							
9	2	X2114660130	LEVER KIT, SHIFT	1							
10	2	X2114680050	BOLT, THROUGH	2							
11	2	X2114715500	STOPPER SET	1							
12	2	X2114780060	COVER ASSY, DUST	1							
13	2	X2114811000	WASHER KIT, THRUST	1							
14	2	X2114821500	SCREW SET	1							
15	2	X2114966130	CASE ASSY, GEAR	1							
16	2	X2114990010	HOLDER ASSY, BRUSH	1							
17	3	X2114831300	BRUSH (-)	1							
18	3	X2114931400	SPRING, BRUSH	3							
19	2	124190-77110	ARMATURE ASSY	1							
20	2	124190-77760	PINION ASSY	1							
21	1	26116-120252	BOLT. M12X 25 PLATED	2							

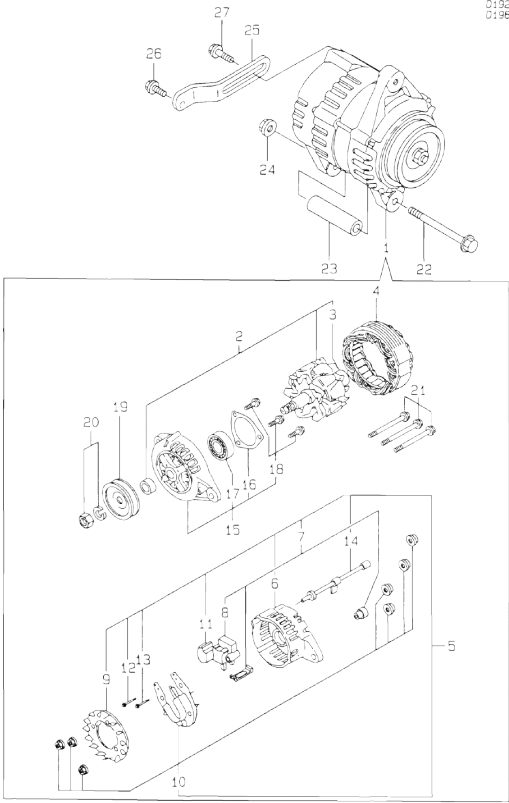
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M50000

Fig.16. GENERATOR

Y0005000
31NE68-MY

019265-77210
019660-77310



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STATOR ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	3	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	26106-081052	BOLT, M8X105 PLATED	1							
23	1	129150-77340	SPACER	1							
24	1	26366-080002	NUT, M8	1							
25	1	119660-77330	ADJUSTER	1							
26	1	26106-080162	BOLT, M8X 16 PLATED	1							
27	1	26014-080252	BOLT, M8X 25	1							

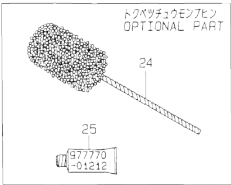
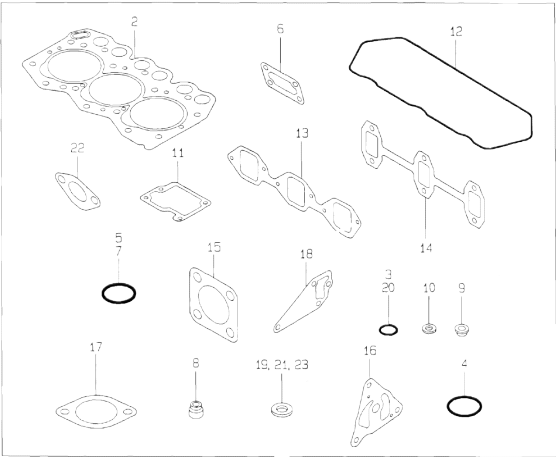
Fig.17. ELECTRIC PARTS

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119643-66900	DIODE	1							
2	1	129136-77100	RELAY, SAFETY	2							
2-1	1	129136-77100	RELAY, SAFETY	1							K
(A)=FROM 1ST											
3	1	119632-77920	TIMER	1							
4	1	129115-91250	SWITCH ASSY	1							
6	2	129115-91270	KEY ASSY	1							
7	1	119650-77910	RELAY ASSY, GLOW	1							
8	1	128300-77920	TIMER	1							
9	1	171014-91101	TACHOMETER	1							
10	1	124701-91140	CABLE, L=985	1							
11	1	119285-77910	CONNECTOR	1							

OCD10-M50000

Fig.18. GASKET SET

Y0005000
3TNE68-MY



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-92620	GASKET SET	1							1
2	2	119265-01340	GASKET, HEAD	1							
2-1	2	119265-01341	GASKET, HEAD	1						N	
(A=1996.07)											
3	2	24311-000120	O-RING, 1AP12.0	5							
4	2	24311-000320	O-RING, 1AP32.0	2							
5	2	24341-000240	O-RING, 1AS24.0	1							
6	2	119660-01562	GASKET	1							
7	2	24311-000180	O-RING, 1AP18.0	1							
8	2	119260-11340	SEAL, VALVE STEM	6							
9	2	119600-11450	PROTECTOR, NOZZLE	3							
10	2	119600-11460	GASKET, NOZZLE	6							
11	2	119260-03031	GASKET	1							
12	2	119260-11310	GASKET, BONNET	1							
13	2	119260-12111	GASKET, MANIFOLD	1							
14	2	119260-13110	GASKET	1							
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17	2	129350-49541	GASKET	1							
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20-1	2	129155-61830	O-RING, S10	3						R	
(A=E09102)											
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22	2	121520-01851	GASKET	1							
23	2	104200-59170	GASKET, 12	2							
24	1	129400-92400	HONE	1							1
25	1	977770-01212	GASKET, LIQUID	1							1

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