

OCA10-M21603EN

Introduction

1.This parts catalog contains the previous information on the GA120S~ GA300S series and GA120D~ GA300D series as well as the new one on the GA90S.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00A2160	Jan. ,1989	No need
First edition	000Y00A2270	Feb. ,1990	No need
1st revised edition	000Y00A2161	Sep. ,1991	No need
2nd revised edition	000Y00A2162	Nov. ,1992	No need
3rd edition(supplement)	000Y00A2163	Jan. ,2003	

2.This parts catalog dose not contain the technical data needed for maintenance service.

3.The illustrations used in this parts catalog have been simplified for clarity.

4.The essential points list.

Model name	Fig.No.	Column	Serial number
G A 9 0 S	1~ 9	A	Nov. ,1990~
G A 1 2 0 S	10~ 18	A	July,1988~
G A 1 6 0 S	10~ 18	B	July,1988~
G A 2 2 0 S	19~ 27	C	July,1988~
G A 2 8 0 S	19~ 27	D	July,1988~
G A 3 0 0 S	19~ 27	E	July,1988~
G A 1 2 0 D	28~ 36	A	Jan. ,1990~
G A 1 6 0 D	28~ 36	B	Feb. ,1990~
G A 2 2 0 D	37~ 45	C	Jan. ,1990~
G A 2 8 0 D	37~ 45	D	Nov. ,1990~
G A 3 0 0 D	37~ 45	E	Nov. ,1990~

5.The contents of this parts catalog are subject to change without notice.

6.Be sure to use only Yanmar genuine part for repairs.If imitation parts are used, it may cause engine defects.

Directions for the Parts Catalog.

- The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
- Parts may change without prior notice.
- 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)	I	R
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	1
		(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 Mark

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

Symbol	Interchangeability	Contents note
N	Old $\begin{matrix} \leftarrow \text{Yes} \\ \text{No} \rightarrow \end{matrix}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\begin{matrix} \leftarrow \text{No} \\ \text{Yes} \rightarrow \end{matrix}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\begin{matrix} \leftarrow \text{Yes} \\ \text{Yes} \rightarrow \end{matrix}$ New	New/ Old Parts are both interchangeable.
S	Old $\begin{matrix} \leftarrow \text{No} \\ \text{No} \rightarrow \end{matrix}$ New	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 Mark

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.

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4. CRANKSHAFT,PISTON & CAMSHAFT
5. FUEL TANK & FUEL PIPE
6. CARBURETOR
7. GOVERNOR & CONTROL DEVICE
8. FLY.MAGNETO & STARTING DEVICE
9. TOOL & LABEL

GA120/160S

10. CYLINDER BLOCK
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14. FUEL TANK & FUEL PIPE
15. CARBURETOR
16. GOVERNOR & CONTROL DEVICE
17. FLY.MAGNETO & STARTING DEVICE
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GA220/280/300S

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20. CYLINDER HEAD & BONNET

Fig. No. Fig. Name

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26. FLY.MAGNETO & STARTING DEVICE
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GA120/160D

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40. CRANKSHAFT,PISTON & CAMSHAFT
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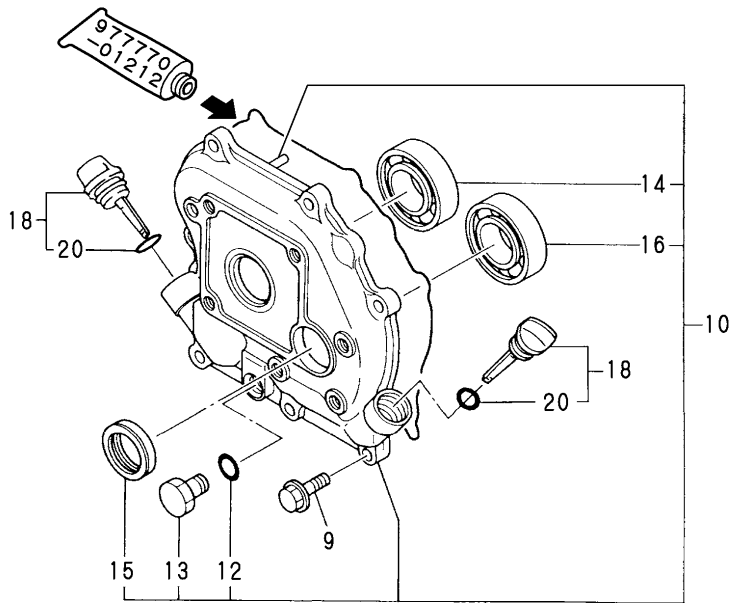
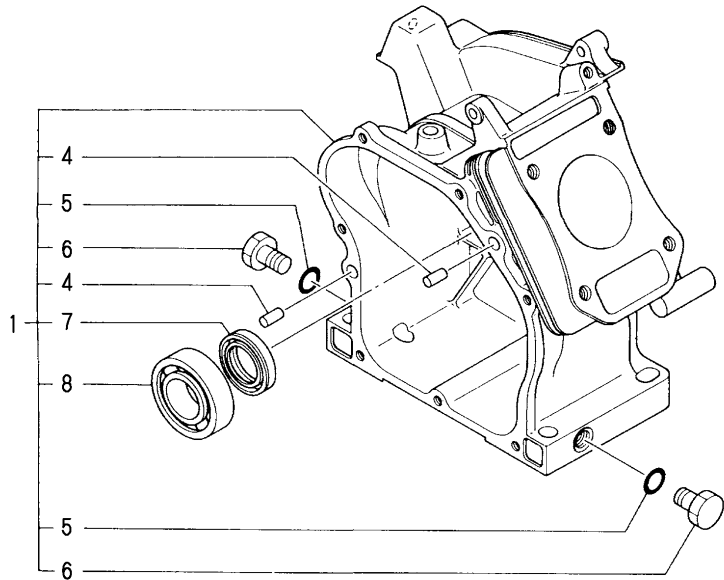
43. GOVERNOR & CONTROL DEVICE

44. FLY.MAGNETO & STARTING DEVICE

45. TOOL & LABEL

Fig. No. Fig. Name

Fig.1. CYLINDER BLOCK



(A)=GA90S

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760490-01560	BLOCK ASSY, CYLINDER	1							
1-1	1	760490-01561	BLOCK ASSY, CYLINDER	1							N
(A=*1995.01)											
1-2	1	760490-01562	BLOCK ASSY, CYLINDER	1							S 1
(A=*1995.10)											
4	2	22312-080120	PIN, PARALLEL M8X12	2							
4-1	2	114270-01600	PIN, M8X12	2							R
(A=*1994.02)											
5	2	24311-000100	O-RING, 1AP10.0	2							
6	2	26106-100162	BOLT, M10X 16 PLATED	2							
7	2	160510-02220	SEAL, TC17306	1							
8	2	24101-062030	BEARING, BALL 6203C3	1							
9	1	26476-060202	SCREW, TAPPING M6X20	7							
10	1	760490-01500	COVER ASSY	1							
12	2	24311-000100	O-RING, 1AP10.0	1							
13	2	26106-100162	BOLT, M10X 16 PLATED	1							
14	2	24101-062030	BEARING, BALL 6203C3	1							
15	2	160510-02220	SEAL, TC17306	1							
16	2	24101-062030	BEARING, BALL 6203C3	1							
18	1	160611-01740	CAP ASSY	2							
18-1	1	160611-01741	CAP ASSY	2							R
(A=*2002.01)											
20	2	24311-000150	O-RING, 1AP15.0	2							
20-1	2	160490-01760	O-RING	2							R
(A=*2002.01)											

Remarks

(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.2 NO.22-1.

Fig.2. CYLINDER HEAD & BONNET

(A)=GA90S

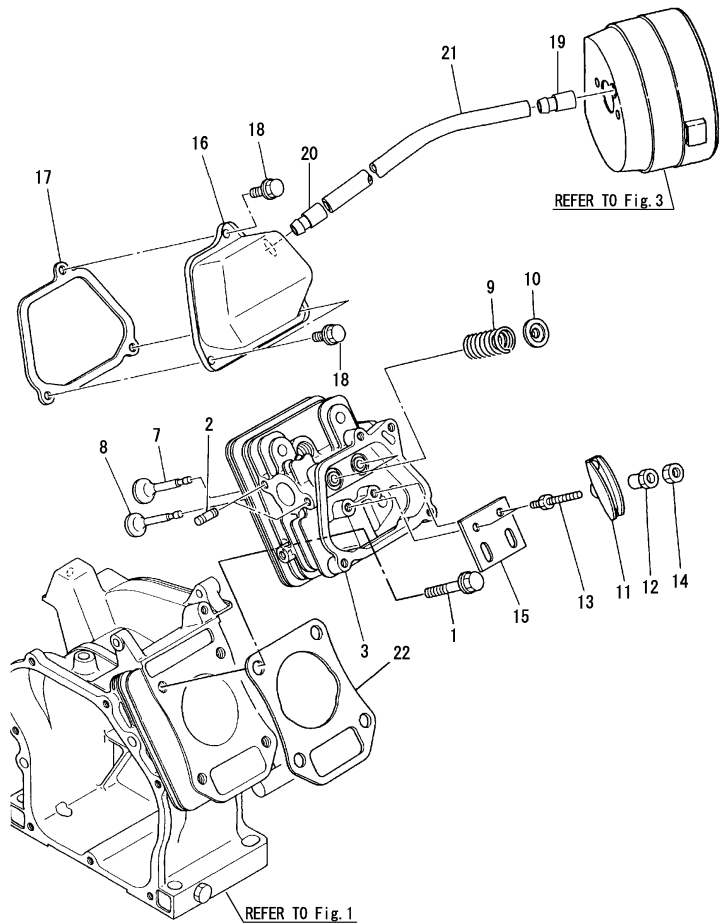
(B)=

(C)=

(D)=

(E)=

(F)=

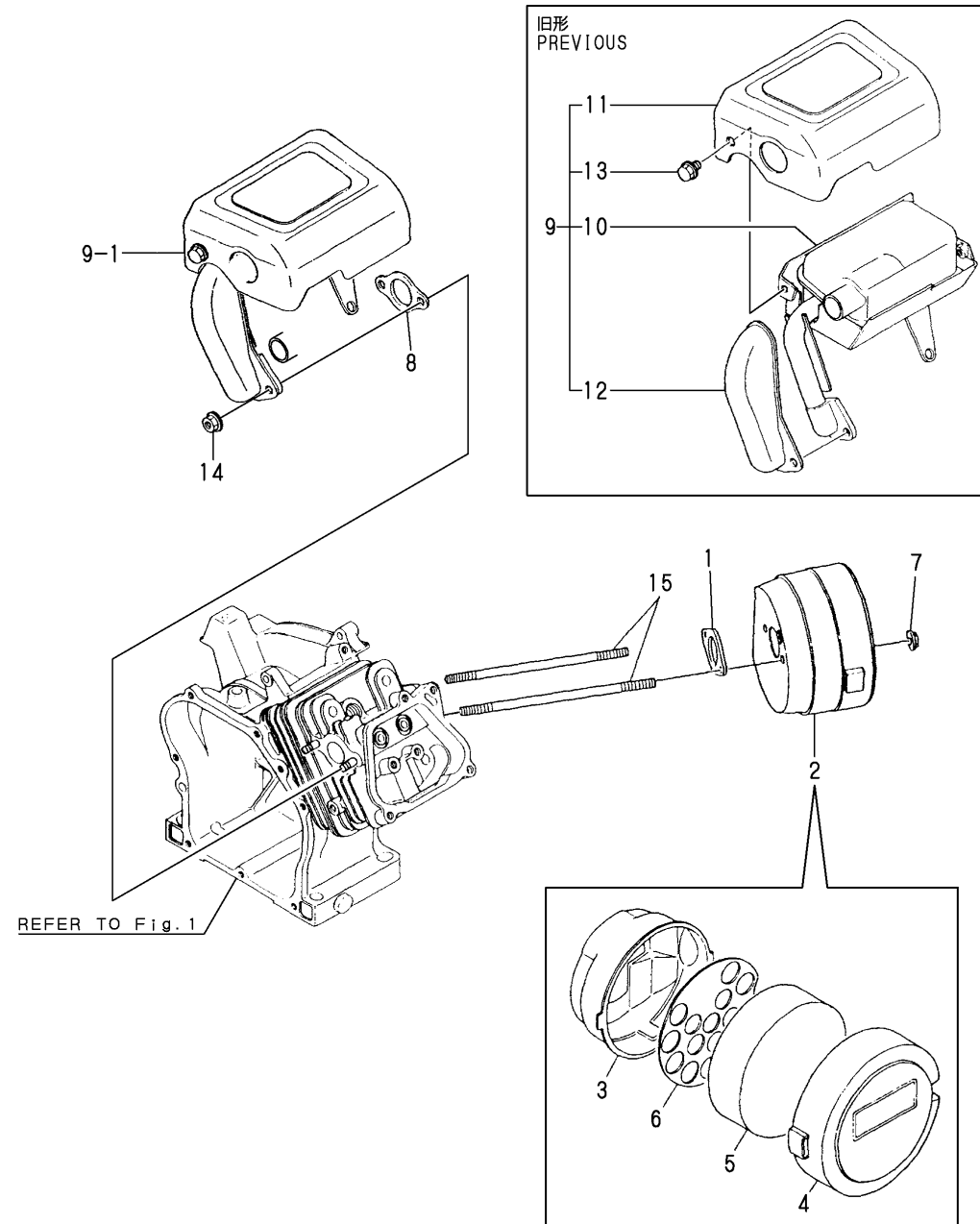


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-04201	BOLT, FLANGE M8X53	4							
2	1	160610-04620	BOLT, M6X16	2							
3	1	160490-11010	HEAD ASSY, CYLINDER	1							
7	1	160664-11100	VALVE, INTAKE	1							
8	1	160664-11110	VALVE, EXHAUST	1							
9	1	160490-11120	SPRING, VALVE	2							
10	1	160664-11180	RETAINER, SPRING	2							
11	1	160690-11200	ARM, ROCKER	2							
11-1	1	160699-11200	ARM, ROCKER	2							S 1
(A=*1995.12)											
12	1	160690-11220	PIVOT, ROCKER ARM	2							
12-1	1	160690-11221	PIVOT, ROCKER ARM	2							N
(A=*1997.05)											
12-2	1	160690-11222	PIVOT, ROCKER ARM	2							R
(A=*2002.10)											
13	1	160690-11270	BOLT	2							
13-1	1	160690-11271	BOLT	2							N
(A=*1991.11)											
14	1	160690-11280	NUT, M6X0.5	2							
15	1	160490-11290	PLATE, GUIDE	1							
16	1	160490-11300	BONNET	1							
17	1	160490-11310	GASKET, BONNET	1							
17-1	1	160490-11311	GASKET, BONNET	1							R
(A=*2001.04)											
18	1	26476-060142	SCREW, TAPPING M6X14	3							
19	1	160520-03050	BREATHER	1							
20	1	160610-03050	BREATHER ASSY	1							
21	1	160510-03180	PIPE, BREATHER	1							
22	1	160490-01330	GASKET, HEAD	1							
22-1	1	160498-01330	GASKET, HEAD	1							S 2
(A=*1995.10)											

Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.4 NO.1-1.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.1 NO.1-2.

Fig.3. AIR CLEANER & MUFFLER



(A)=GA90S

(B)=

(C)=

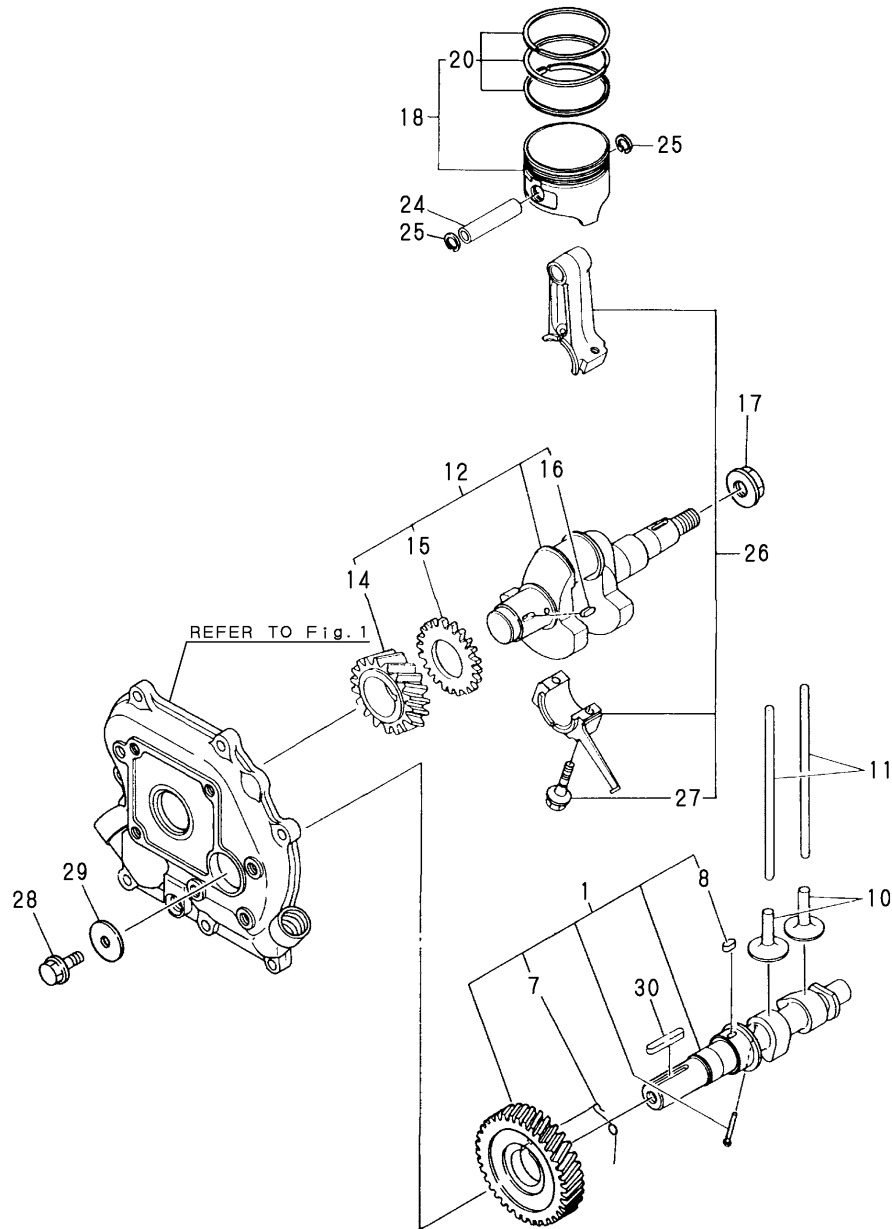
(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160762-12050	GASKET, MANIFOLD	2							
1-1	1	160492-12050	GASKET	2							R
(A=*1999.04)											
2	1	160490-12500	CLEANER ASSY, AIR	1							
3	2	160490-12520	BODY, AIR CLEANER	1							
4	2	160610-12530	CAP, AIR CLEANER	1							
5	2	160610-12540	ELEMENT	1							
6	2	160610-12550	HOLDER, ELEMENT	1							
7	1	26366-060002	NUT, M6	2							
8	1	160510-13200	GASKET, MUFFLER	1							
8-1	1	160510-13201	GASKET, MUFFLER	1							N
(A=*2002.08)											
9	1	160490-13550	MUFFLER ASSY	1							
9-1	1	160498-13550	MUFFLER ASSY	1							R
(A=*1995.10)											
10	2	160490-13500	MUFFLER	1							Z
(A=*1995.10)											
11	2	160490-13530	COVER	1							Z
(A=*1995.10)											
12	2	160490-13780	COVER	1							Z
(A=*1995.10)											
13	2	26106-060082	BOLT, M6X 8 PLATED	4							Z
(A=*1995.10)											
14	1	26366-060002	NUT, M6	2							
15	1	160610-04570	BOLT, M6X70	2							

Fig.4. CRANKSHAFT,PISTON & CAMSHAFT



(A)=GA90S

(B)=

(C)=

(D)=

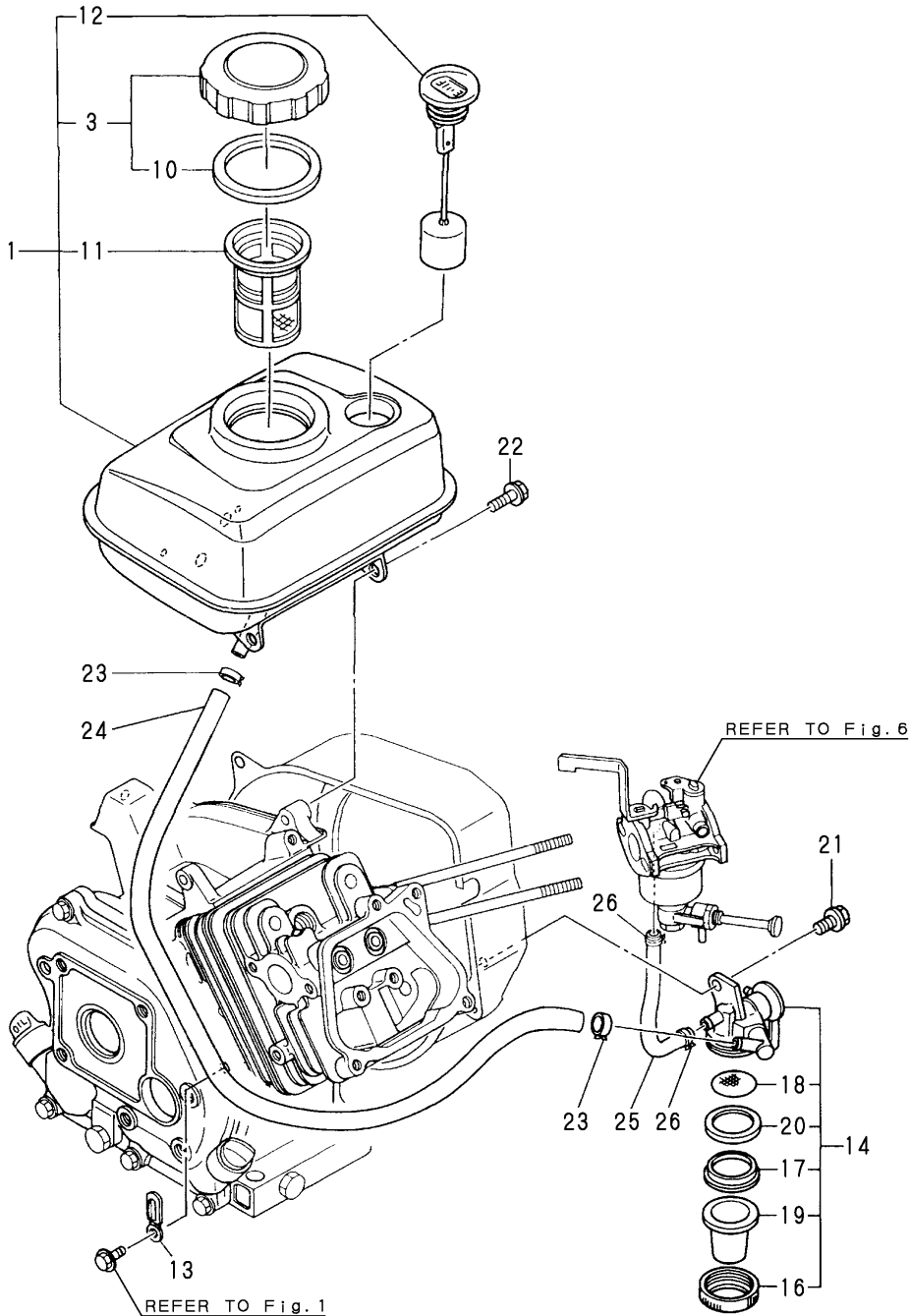
(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160490-14050	CAMSHAFT ASSY	1							
1-1	1	160498-14050	CAMSHAFT ASSY	1							S 1
(A=*1995.12)											
7	2	160611-14560	SPRING,DECOMPRESSION	1							
8	2	114250-21290	KEY, 4X7	1							
10	1	160490-14200	TAPPET	2							
11	1	160490-14400	ROD, PUSH	2							
12	1	760490-21700	CRANKSHAFT ASSY	1							
14	2	160530-21200	GEAR, CRANKSHAFT	1							
15	2	160590-21210	GEAR, IDLE	1							
16	2	160610-21290	KEY, 4X10	1							
17	1	26376-120002	NUT, M12	1							
18	1	160490-22010	PISTON ASSY	1							
20	2	760490-22500	RING SET, PISTON	1							
24	1	160490-22300	PIN, PISTON	1							
25	1	22252-000120	RING, 12	2							
26	1	160490-23030	ROD ASSY, CONNECTING	1							
27	2	160610-23201	BOLT, CONNECTING ROD	2							
27-1	2	26106-060302	BOLT, M6X 30 PLATED	2							R
(A=*1994.05)											
28	1	26106-060162	BOLT, M6X 16 PLATED	1							
29	1	160510-14550	WASHER	1							
30	1	160810-21290	KEY, 4X24	1							

Remarks
 (1)INTERCHANGEABLE BY SIMULTANEOUS
 REPLACEMENT WITH FIG.2 NO.11-1.

Fig.5. FUEL TANK & FUEL PIPE



(A)=GA90S

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760490-55710	TANK ASSY, FUEL	1							
3	2	160710-55061	CAP ASSY	1							
10	3	160393-55050	GASKET	1							
11	2	160610-55100	FILTER, FUEL	1							
12	2	160708-55150	GAUGE, FUEL	1							
13	1	160260-78700	CLAMP	1							
14	1	160692-55300	COCK ASSY, FUEL	1							
16	2	160710-55360	RING	1							
17	2	160710-55370	GASKET	1							
18	2	160710-55381	FILTER, FUEL	1							
18-1	2	160710-55382	FILTER	1							N
		(A=EXXX)									
19	2	160710-55390	CUP, FUEL COCK L37	1							
20	2	160692-55421	PLATE	1							Z
		(A=EXXX)									
21	1	26106-060102	BOLT, M6X 10 PLATED	1							
22	1	26476-060142	SCREW, TAPPING M6X14	3							
23	1	106990-44660	CLIP, HOSE 12.5	2							
24	1	160490-59350	HOSE, FUEL A-340	1							
24-1	1	160490-59351	HOSE, FUEL A-340	1							N
		(A=*2000.06)									
25	1	160490-59360	HOSE, FUEL B-145	1							
25-1	1	160490-59361	HOSE, FUEL B-145	1							N
		(A=*2000.06)									
25-2	1	160493-59391	HOSE, FUEL B-150	1							R
		(A=*2002.09)									
26	1	124060-77680	CLIP, HOSE 10	2							
26-1	1	119520-03990	CLIP, HOSE 10.5	2							R
		(A=*2001.06)									

Fig.6. CARBURETOR

(A)=GA90S

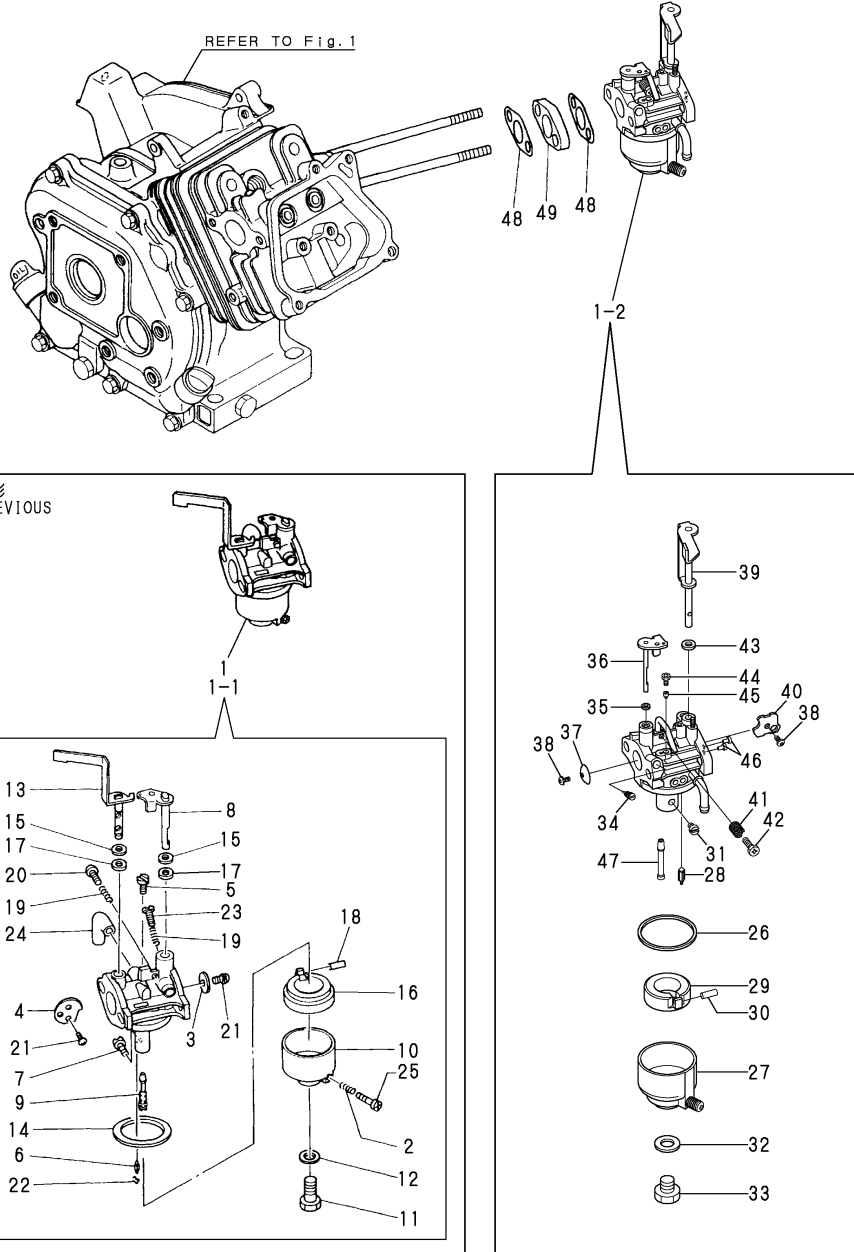
(B)=

(C)=

(D)=

(E)=

(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160490-56010	CARBURETOR ASSY	1							
1-1	1	160490-56011	CARBURETOR ASSY	1							N
(A=*1992.11)											
1-2	1	160490-57020	CARBURETOR ASSY	1							N
(A=*2003.01)											
2	2	181230-56380	SPRING	1							
3	2	160492-56520	VALVE, THROTTLE	1							
4	2	160492-56530	VALVE, CHOKE	1							
5	2	160492-56540	JET, PILOT	1							
6	2	160492-56550	NEEDLE	1							
7	2	160495-56560	JET, MAIN	1							
7-1	2	160495-56561	JET, MAIN	1							N
(A=*1992.11)											
8	2	160492-56570	SHAFT, THROTTLE	1							
9	2	160492-56580	NOZZLE, MAIN	1							
9-1	2	160492-56581	NOZZLE, MAIN	1							N
(A=*1992.11)											
10	2	160490-56590	BODY, FLOAT	1							
11	2	160490-56600	BOLT	1							
12	2	160495-56600	GASKET	1							
13	2	160492-56610	SHAFT, CHOKE	1							
14	2	160510-56610	GASKET	1							
15	2	160492-56620	GASKET	2							
16	2	160510-56620	FLOAT ASSY	1							
17	2	160492-56630	SEAL	2							
18	2	160610-56630	PIN, FLOAT	1							
19	2	181130-56640	SPRING	2							
20	2	160692-56710	SCREW	1							
21	2	160710-56710	SCREW	3							
22	2	160769-56720	CLIP	1							
23	2	160667-56750	ADJUSTER	1							
24	2	160692-56770	HOSE	1							
25	2	160610-56900	SCREW	1							
26	2	160493-56610	GASKET	1							1
27	2	160493-56670	CHAMBER, FLORT	1							1
28	2	160493-56720	VALVE, FLOAT	1							1
29	2	160493-56620	FLOAT ASSY	1							1
30	2	160493-56630	PIN, FLOAT	1							1
31	2	160492-56670	JET, MAIN	1							1
32	2	160493-56730	GASKET	1							1
33	2	160493-56740	PLUG	1							1
34	2	160699-56680	NEEDLE ASSY	1							1
35	2	160493-56650	SHAFT, CHOKE	1							1
36	2	160493-56640	SHAFT, THROTTLE	1							1
37	2	160498-56540	VALVE, THROTTLE	1							1
38	2	160493-56550	SCREW	2							1
39	2	160493-56650	SHAFT, CHOKE	1							1
40	2	160492-56480	VALVE, CHOKE	1							1
41	2	160493-56710	SPRING	1							1
42	2	160493-56700	SCREW, ADJUSTING	1							1
43	2	160493-56800	CAP	1							1

Remarks

(1) THIS PART IS USED FOR NO.1-2.

Fig.6. CARBURETOR

(A)=GA90S

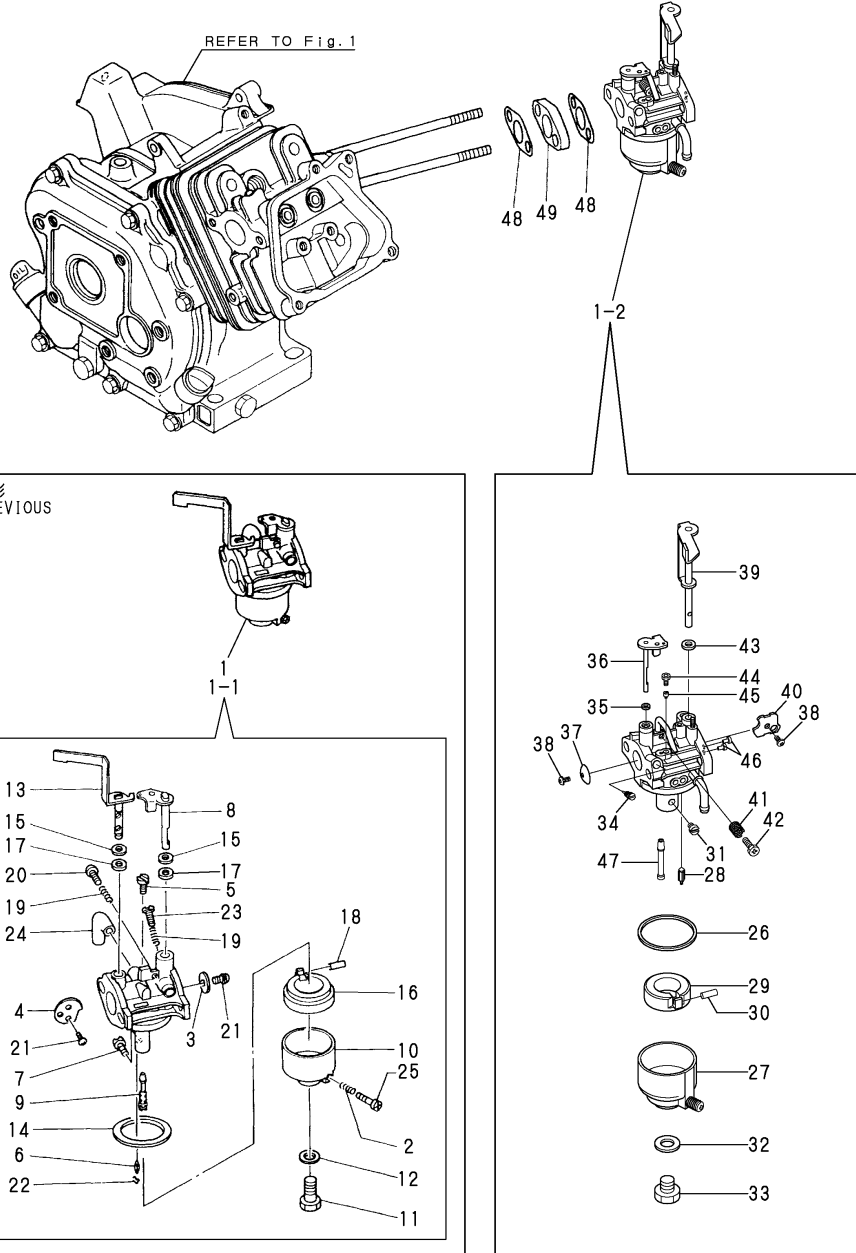
(B)=

(C)=

(D)=

(E)=

(F)=

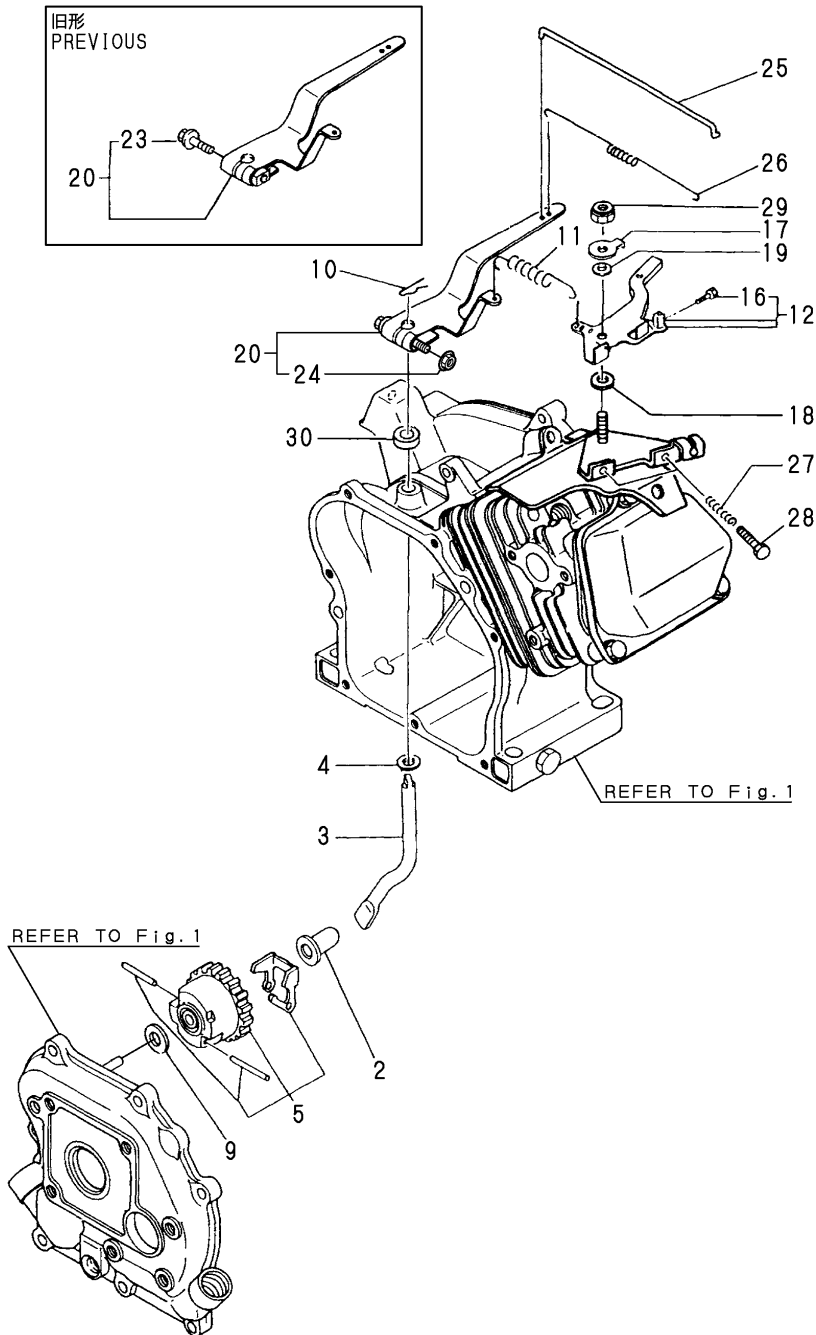


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44	2	160699-56760	PLUG	1							1
45	2	160492-56490	JET, SLOW	1							1
46	2	160492-56510	JET, AIR BLEED	2							1
47	2	160492-56680	NOZZLE, MAIN	1							1
48	1	160667-56150	GASKET, CARBURETOR	2							
48-1	1	160667-56151	GASKET, CARBURETOR	2							N
(A=*1998.06)											
49	1	160667-56160	SPACER, CARBURETOR	1							

Remarks

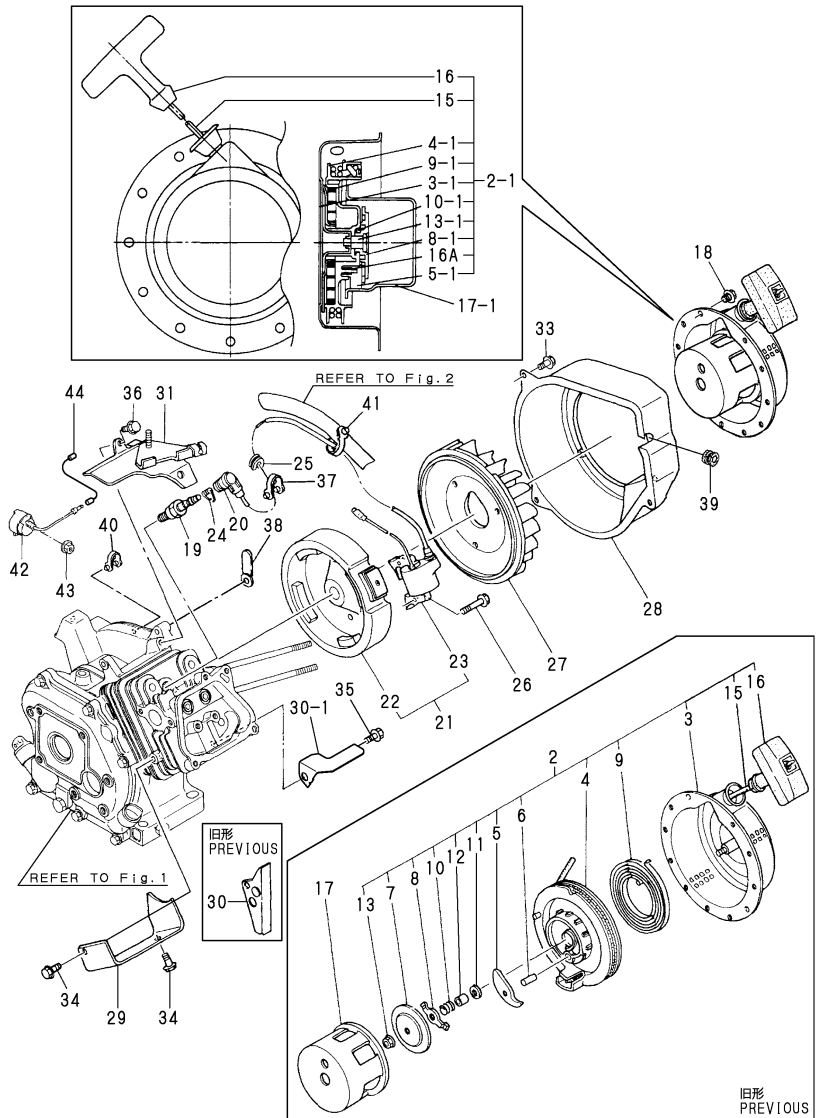
(1) THIS PART IS USED FOR NO.1-2.

Fig.7. GOVERNOR & CONTROL DEVICE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160690-61300	SPINDLE	1							
2-1	1	160690-61301	SPINDLE	1							R
(A=*1994.12)											
3	1	160690-61310	SHAFT	1							
3-1	1	160690-61311	SHAFT	1							R
(A=*1995.11)											
4	1	160690-61450	WASHER	2							
5	1	160690-61600	GEAR ASSY, GOVERNOR	1							
9	1	160120-76940	WASHER	1							
10	1	22372-080000	PIN, SNAP 8	1							
11	1	160490-66010	SPRING, GOVERNOR	1							
11-1	1	160490-66020	SPRING, GOVERNOR	1							N
(A=*1992.12)											
12	1	160690-66081	LEVER ASSY, CONTROL	1							
16	2	26117-040088	BOLT M 4X 8 PLATED	1							
17	1	160690-66160	WASHER	1							
18	1	160664-66170	WASHER	1							
19	1	160664-66180	SPRING	1							
20	1	160490-66190	LEVER ASSY, GOVERNOR	1							
23	2	26106-060252	BOLT, M6X 25 PLATED	1							Z
(A=*1994.06)											
24	2	26367-060002	NUT, M6	1							W
(A=*1994.06)											
24-1	2	26366-060002	NUT, M6	1							N
(A=EXXX)											
25	1	160490-66200	LINK, THROTTLE	1							
26	1	160490-66211	SPRING, TENSION	1							
26-1	1	160798-66210	SPRING, TENSION	1							N
(A=*2000.09)											
27	1	160520-66291	SPRING	2							
27-1	1	160690-66900	WASHER, 4	2							R
(A=EXXX)											
28	1	26117-040257	BOLT, M4X 25 PLATED	2							
29	1	26347-060002	NUT, M6	1							
30	1	114770-61600	SEAL, OIL	1							W
(A=*1992.08)											

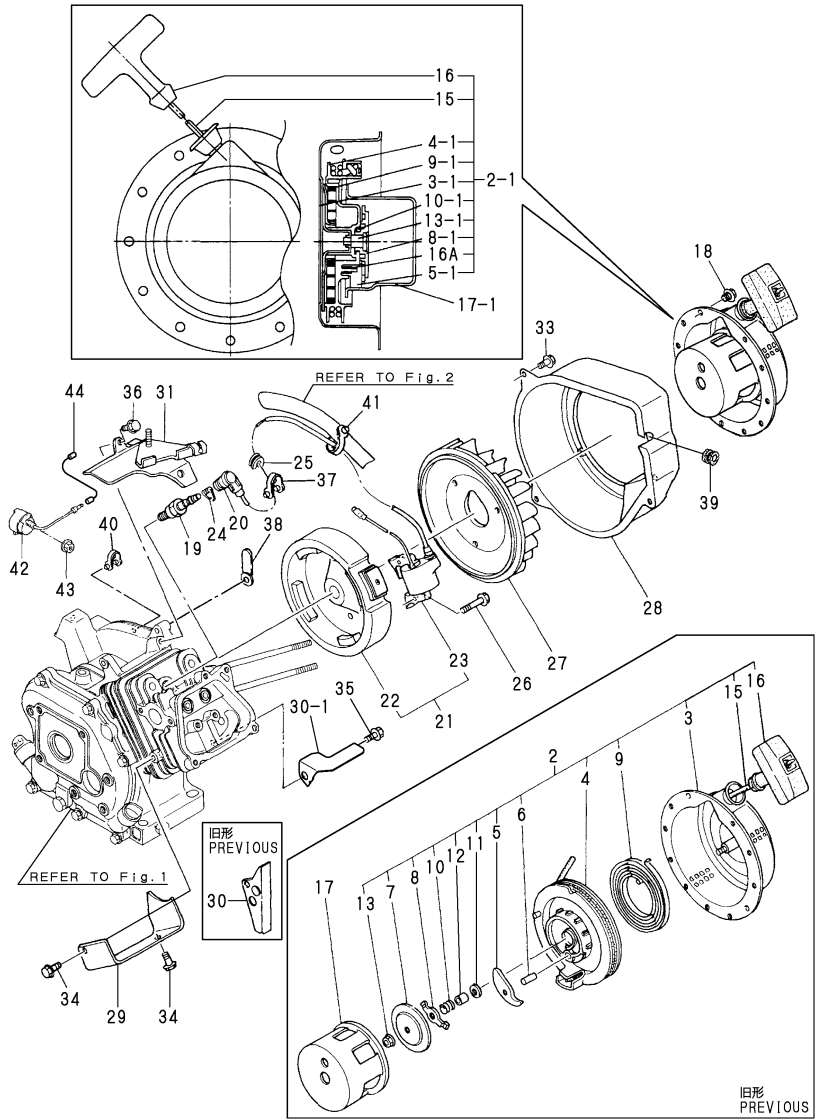
Fig.8. FLY.MAGNETO & STARTING DEVICE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160490-76250	STARTER ASSY, RECOIL	1							
2-1	1	160490-76251	STARTER ASSY, RECOIL	1						F	1
(A=*1994.08)											
3	2	160490-76610	CASE, STARTER	1							
3-1	2	160490-76611	CASE ASSY, STARTER	1							S
(A=*1994.08)											
4	2	160490-76510	REEL	1							
4-1	2	160490-76511	REEL	1							S
(A=*1994.08)											
5	2	160692-76800	RATCHET	1							
5-1	2	160690-76801	RATCHET	2							S
(A=*1994.08)											
6	2	160692-76530	PIN, RATCHET	1							3
7	2	160692-76810	PLATE, FRICTION	1							3
8	2	160692-76540	GUIDE, RATCHET	1							
8-1	2	160690-76531	GUIDE, RATCHET	1							S
(A=*1994.08)											
9	2	160692-76580	SPRING, SPIRAL	1							
9-1	2	160690-76540	SPRING, SPIRAL	1							S
(A=*1994.08)											
10	2	160692-76550	SPRING, FRICTION	1							
10-1	2	160690-76561	SPRING, FRICTION	1							S
(A=*1994.08)											
11	2	160692-76560	WASHER, THRUST	1							3
12	2	160692-76820	SHAFT	1							3
13	2	26367-060002	NUT, M6	1							
13-1	2	160698-76580	SCREW	1							S
(A=*1994.08)											
15	2	160490-76580	ROPE, STARTER	1							
16	2	160490-76600	KNOB, STARTER	1							
16A	2	160690-76570	SPRING, RETURN	2							4
17	1	160490-76590	PULLEY, STARTER	1							
17-1	1	160490-76591	PULLEY, STARTER	1							S
(A=*1994.08)											
18	1	26106-060082	BOLT, M6X 8 PLATED	4							
19	1	160690-78010	PLUG, SPARK BP6ES	1							
19-1	1	160690-78020	PLUG, SPARK	1							N
(A=*1992.06)											
19-2	1	160690-78030	PLUG, SPARK N11YC	1							N
(A=EXXX)											
20	1	160700-78040	CAP, PLUG	1							
21	1	160490-78050	MAGNETIC ASSY	1							
21-1	1	160490-78090	MAGNETIC ASSY	1							S 2
(A=*1995.10)											
22	2	160490-78500	ROTOR	1							
22-1	2	160490-78540	ROTOR	1							S
(A=*1995.10)											
23	2	160490-78510	COIL, IGNITION	1							
23-1	2	160490-78550	COIL, IGNITION	1							S
(A=*1995.10)											
24	1	160700-78050	TERMINAL, PLUG	1							

Remarks
 (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.17-1.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.21-1,27-1, 28-1 AND 30-1.
 (3)THIS PART IS USED FOR NO.2.
 (4)THIS PART IS USED FOR NO.2-1.

Fig.8. FLY.MAGNETO & STARTING DEVICE



(A)=GA90S

(B)=

(C)=

(D)=

(E)=

(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
25	1	160700-78720	GROMMET	1							
26	1	26476-060302	SCREW, TAPPING M6X30	2							
26-1	1	160690-04350	BOLT, M6X30	2							R
(A=*2002.11)											
27	1	160525-45010	FAN, COOLING	1							
27-1	1	160490-45010	CASE, COOLING FAN	1							S 2
(A=*1995.10)											
28	1	160490-45110-1	CASE, COOLING FAN	1							
28-1	1	160490-45140	CASE, COOLING FAN	1							S 2
(A=*1995.10)											
29	1	160490-45200	COVER	1							
29-1	1	160490-45230	COVER	1							N
(A=*1995.10)											
30	1	160490-45211	COVER	1							
30-1	1	160490-45240	GUIDE	1							S 2
(A=*1995.10)											
31	1	160490-45220	COVER ASSY	1							
33	1	26476-060142	SCREW, TAPPING M6X14	3							
34	1	26476-060142	SCREW, TAPPING M6X14	2							
35	1	26476-060142	SCREW, TAPPING M6X14	1							
36	1	26476-060142	SCREW, TAPPING M6X14	2							
37	1	29610-000950	CLAMP, SPEED 095	1							
38	1	160710-78700	CLAMP, CORD	1							Z
(A=EXXX)											
39	1	160341-01950	PIPE	1							Z
(A=*1999.03)											
40	1	29610-000650	CLAMP, SPEED 065	1							
40-1	1	29610-000650	CLAMP, SPEED 065	2							K
(A=EXXX)											
41	1	29610-001400	CLAMP, SPEED 140	1							
42	1	160611-77250	SWITCH, STOP	1							W
(A=EXXX)											
43	1	26366-080002	NUT, M8	1							W
(A=EXXX)											
44	1	160490-78230	WIRE	1							W
(A=*1995.10)											

Remarks

(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.17-1.

(2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.21-1,27-1, 28-1 AND 30-1.

(3)THIS PART IS USED FOR NO.2.

(4)THIS PART IS USED FOR NO.2-1.

Fig.9. TOOL & LABEL

(A)=GA90S

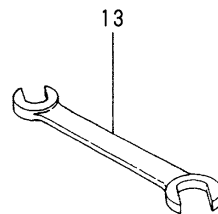
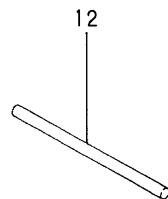
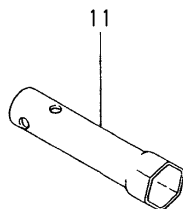
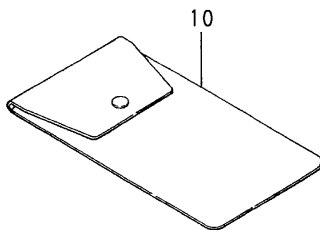
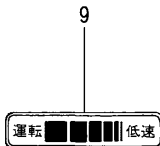
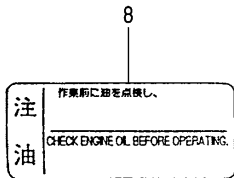
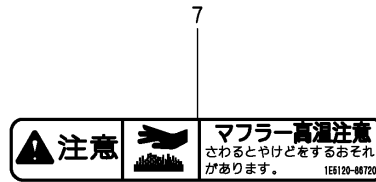
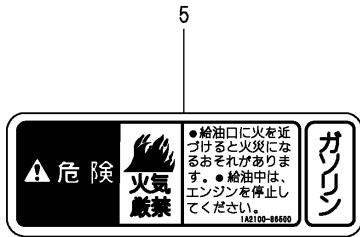
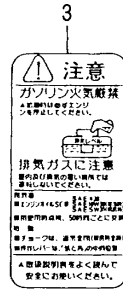
(B)=

(C)=

(D)=

(E)=

(F)=

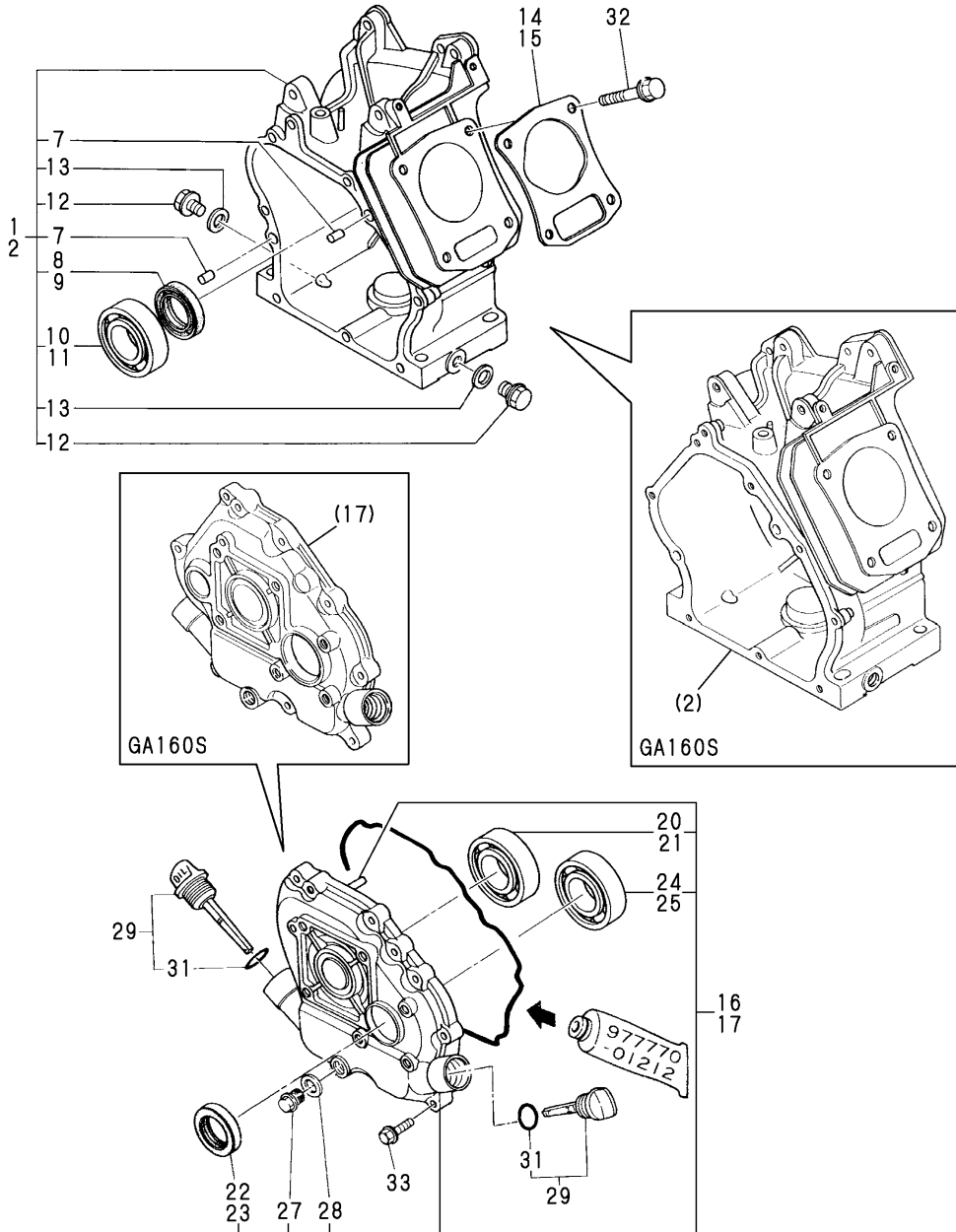


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160490-07120	LABEL, OHV MARK	1							
2-1	1	160490-07130	LABEL, FINGER START	1							N
(A=*1996.10)											
3	1	160692-07100	LABEL, CAUTION	1							
3-1	1	160692-07250	LABEL, CAUTION	1							N
(A=*1995.05)											
3-2	1	160692-07251	LABEL, CAUTION	1							R
(A=*2000.04)											
4	1	160520-07271	LABEL, DRAIN	1							
4-1	1	160520-07272	LABEL, DRAIN	1							S 1
(A=*1992.07)											
4-2	1	160690-07260	LABEL, DRAIN	1							R
(A=*1998.11)											
5	1	1A2100-86500	LABEL, DANGER	1							W
(A=*1995.05)											
5-1	1	160690-07320	LABEL,NO FIRE	1							R
(A=*1995.05)											
6	1	1A2260-87100	WARNING,EXH.GAS	1							W
(A=*1995.05)											
6-1	1	114370-07110	LABEL,EXH.GAS CAUTN	1							R
(A=*1995.05)											
7	1	1E5120-86720	LABEL, CAUTION	1							W
(A=*1995.05)											
7-1	1	105250-07330	LABEL	1							R
(A=*1995.05)											
8	1	160520-07370	LABEL, CLEANER	1							W
(A=*1995.05)											
9	1	183730-07440	LABEL, OPERATION	1							W
(A=*1995.05)											
10	1	160110-92610	BAG, TOOL	1							
11	1	160120-92700	WRENCH, 21 L86	1							
12	1	160110-92710	HANDLE, WRENCH	1							
13	1	28110-100120	SPANNER, 10X12	1							
14	1	161690-07300	LABEL	1							W
(A=*2003.01)											

Remarks

(1) LABEL COLOR CHANGED

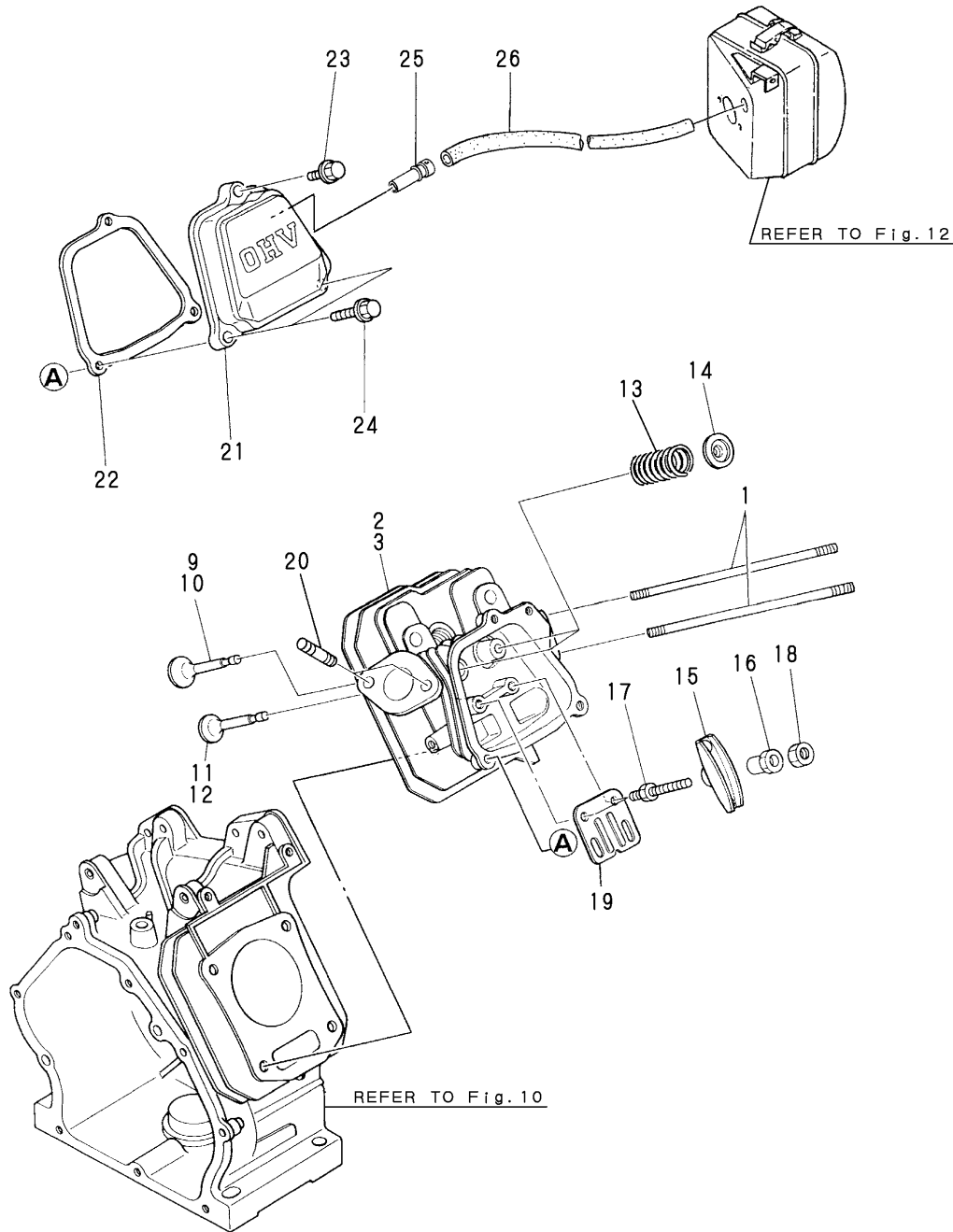
Fig.10. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760590-01561	BLOCK ASSY, CYLINDER	1							
1-1	1	760590-01562	BLOCK ASSY, CYLINDER	1							N 1
(A=E/#F2357)											
2	1	760690-01560	BLOCK ASSY, CYLINDER		1						
2-1	1	760690-01561	BLOCK ASSY, CYLINDER		1						N
(B=*1992.04)											
2-2	1	760690-01562	BLOCK ASSY, CYLINDER		1						R
(B=E/#T2156)											
2-3	1	760690-01563	BLOCK ASSY, CYLINDER		1						N
(B=E/#006738)											
7	2	22312-080120	PIN, PARALLEL M8X12	2	2						
7-1	2	114270-01600	PIN, M8X12	2	2						R
(A=E/#92326) (B=E/#H0269)											
8	2	160610-02220	SEAL, 20326		1						
9	2	160690-02220	SEAL, TC25416			1					
10	2	24101-062040	BEARING, BALL 6204C3		1						
11	2	24101-062050	BEARING, BALL 6205C3			1					
12	2	160610-01690	PLUG, M12		2	2					
13	2	104200-59170	GASKET, 12		2	2					
14	1	160590-01330	GASKET, HEAD		1						
14-1	1	160590-01331	GASKET, HEAD		1						N
(A=E/#L7047)											
15	1	160690-01330	GASKET, HEAD		1						
15-1	1	160690-01331	GASKET, HEAD		1						N
(B=E/#Z1705)											
15-2	1	160690-01332	GASKET, HEAD		1						N
(B=E/#006738)											
16	1	760590-01500	COVER ASSY		1						
16-1	1	760590-01501	COVER ASSY		1						R
(A=E/#E8799)											
17	1	760690-01500	COVER ASSY		1						
17-1	1	760690-01501	COVER ASSY		1						R
(B=E/#K2649)											
17-2	1	760690-01502	COVER ASSY		1						R
(B=E/#Y0232)											
20	2	24101-062040	BEARING, BALL 6204C3		1						
21	2	24101-062050	BEARING, BALL 6205C3			1					
22	2	160610-02220	SEAL, 20326		1						
23	2	160690-02220	SEAL, TC25416			1					
24	2	24101-062040	BEARING, BALL 6204C3		1						
25	2	24101-062050	BEARING, BALL 6205C3			1					
27	2	160610-01690	PLUG, M12		1	1					
28	2	104200-59170	GASKET, 12		1	1					
29	1	160710-01760	CAP ASSY, L82		2	2					
29-1	1	114299-01760	CAP ASSY		2	2					N
(A=E/XXX) (B=E/XXX)											
31	2	24311-000180	O-RING, 1AP18.0		2	2					
31-1	2	114299-01950	O-RING, 18		2	2					N
(A=E/XXX) (B=E/XXX)											
32	1	160610-04201	BOLT, FLANGE M8X53		4	4					
33	1	26476-060252	SCREW, TAPPING M6X25		8	8					

Remarks
(1) REAR COVER UNIFIED

Fig.11. CYLINDER HEAD & BONNET



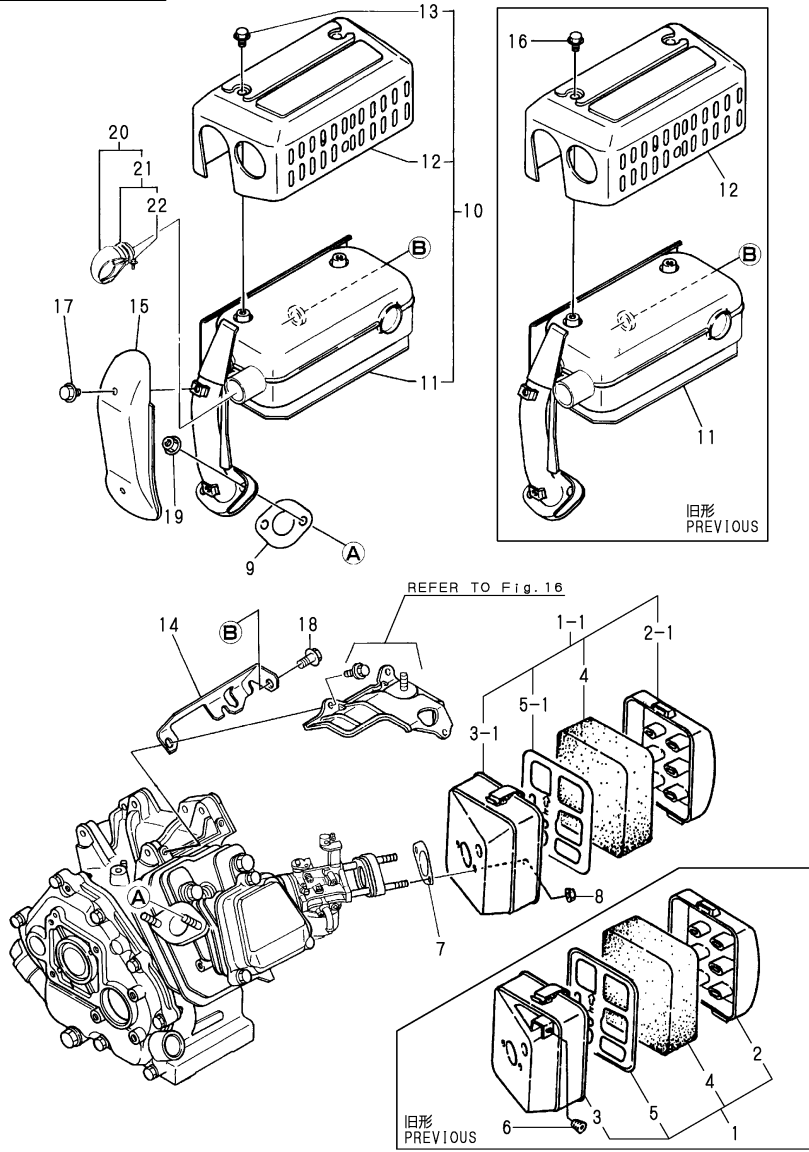
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(B)=GA160S
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-04570	BOLT, M6X70	2	2						
2	1	160590-11010	HEAD ASSY, CYLINDER	1							
2-1	1	160590-11011	HEAD ASSY, CYLINDER	1							N
(A=EXXX)											
3	1	160690-11010	HEAD, CYLINDER		1						
3-1	1	160690-11011	HEAD ASSY, CYLINDER		1						N
(B=E/#006738)											
9	1	160590-11100	VALVE, INTAKE	1							
10	1	160690-11100	VALVE, INTAKE		1						
11	1	160590-11110	VALVE, EXHAUST	1							
12	1	160690-11110	VALVE, EXHAUST		1						
13	1	160690-11120	SPRING, VALVE	2	2						
14	1	160690-11180	RETAINER, SPRING	2	2						
15	1	160690-11200	ARM, ROCKER	2	2						
16	1	160690-11220	PIVOT, ROCKER ARM	2	2						
16-1	1	160690-11221	PIVOT, ROCKER ARM	2	2						N
(A=E/#E4579) (B=E/#Q8498)											
16-2	1	160690-11222	PIVOT, ROCKER ARM	2	2						R
(A=E/#N4646) (B=E/#009392)											
17	1	160690-11270	BOLT	2	2						
17-1	1	160690-11271	BOLT	2	2						N
(A=E/#49044) (B=E/#89511)											
18	1	160690-11280	NUT, M6X0.5	2	2						
19	1	160690-11290	PLATE, GUIDE	1	1						
20	1	26216-080182	STUD, M8X 18	2	2						
21	1	160690-11300	BONNET	1	1						
22	1	160690-11310	GASKET, BONNET	1	1						
22-1	1	160690-11311	GASKET, BONNET	1	1						R
(A=E/#L2230) (B=E/#Y7280)											
23	1	26106-060202	BOLT, M6X 20 PLATED	1	1						
24	1	26106-060352	BOLT, M6X 35 PLATED	2	2						
25	1	160690-03050	BREATHER	1	1						
26	1	160810-03180	PIPE, BREATHER	1	1						

Fig.12. AIR CLEANER & MUFFLER

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PUBLISHED: 2003/7



(A)=GA120S
(B)=GA160S
(C)=

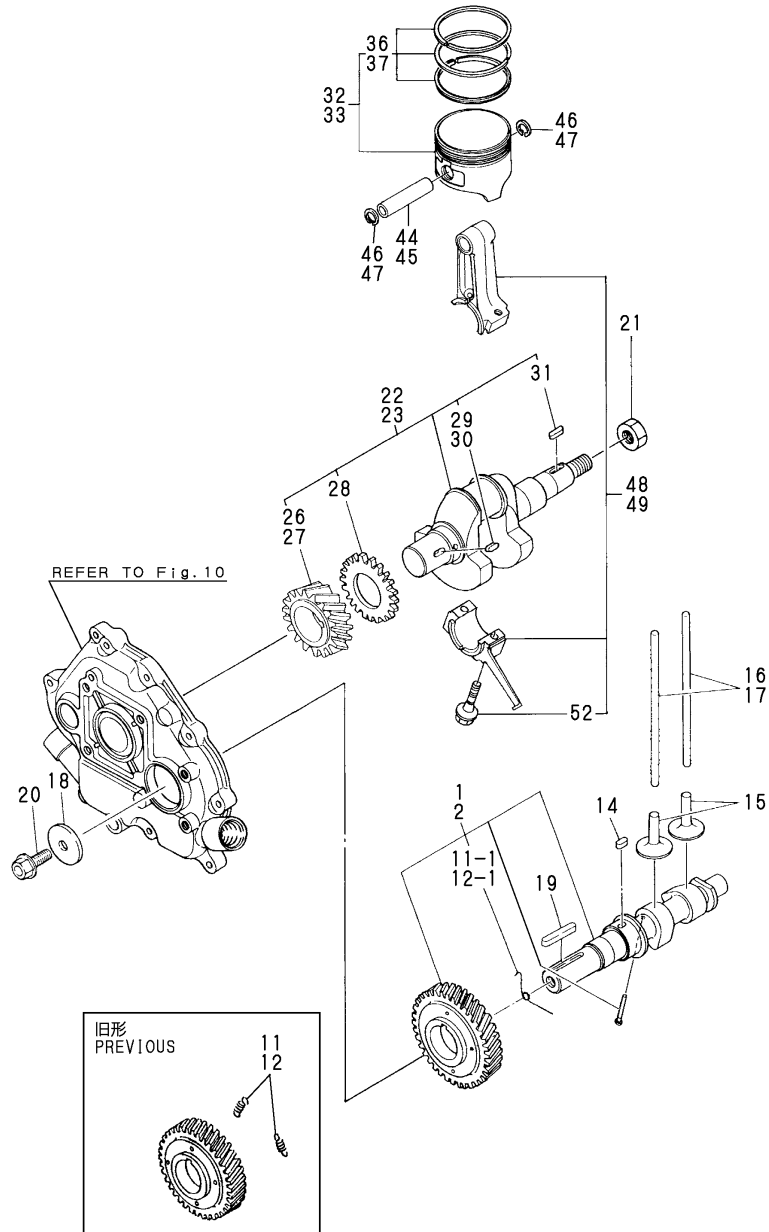
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160690-12500	CLEANER ASSY, AIR	1	1						
1-1	1	160690-12600	CLEANER ASSY, AIR	1	1						N M
1-2	1	160690-12600	CLEANER ASSY, AIR	1	1						S 1
		(A=*1989.09) (B=*1989.09)									
2	2	160760-12510	CAP, AIR CLEANER	1	1						
2-1	2	160690-12510	CAP, AIR CLEANER	1	1						N M
2-2	2	160690-12510	CAP, AIR CLEANER	1	1						S
		(A=*1989.09) (B=*1989.09)									
3	2	160690-12520	BODY, AIR CLEANER	1	1						
3-1	2	160690-12530	BODY, AIR CLEANER	1	1						N M
3-2	2	160690-12530	BODY, AIR CLEANER	1	1						S
		(A=*1989.09) (B=*1989.09)									
4	2	160760-12530	ELEMENT	1	1						
5	2	160760-12540	HOLDER, ELEMENT	1	1						
5-1	2	160493-12550	HOLDER, ELEMENT	1	1						R M
5-2	2	160493-12550	HOLDER, ELEMENT	1	1						Q
		(A=E/#15544) (B=E/#35229)									
6	1	160763-12600	GROMMET	1	1						Z
		(A=E/#15544) (B=E/#35229)									
7	1	160610-56150	GASKET, CARBURETOR	1	1						
7-1	1	160610-56151	GASKET, CARBURETOR	1	1						N
		(A=E/#G4725) (B=E/#T9171)									
8	1	26366-060002	NUT, M6	2	2						
9	1	160690-13200	GASKET, MUFFLER	1	1						
9-1	1	160690-13201	GASKET, MUFFLER	1	1						N
		(A=E/#L7047) (B=E/#Z1705)									
10	1	160690-13600	MUFFLER ASSY	1	1						W
		(A=E/#14218) (B=E/#32304)									
11	2	160690-13500	MUFFLER	1	1						
12	2	160690-13530	COVER	1	1						
13	2	26106-060082	BOLT, M6X 8 PLATED	1	1						W
		(A=E/#14218) (B=E/#32304)									
13-1	2	26106-060082	BOLT, M6X 8 PLATED	3	3						K
		(A=E/XXX) (B=E/XXX)									
14	1	160690-13550	BRACKET, MUFFLER	1	1						
15	1	160690-13900	COVER	1	1						
16	1	114252-13950	BOLT, M6X8	3	3						Z
		(A=E/#14218) (B=E/#32304)									
17	1	114252-13950	BOLT, M6X8	2	2						
18	1	26106-080142	BOLT, M8X 14 PLATED	1	1						
19	1	26366-080002	NUT, M8	2	2						
20	1	114252-13800	EXTENSION ASSY	1	1						W
		(A=E/XXX) (B=E/XXX)									
21	2	114252-13910	CLAMP	1	1						W
		(A=E/XXX) (B=E/XXX)									
22	3	114252-13960	SCREW 6X 25	1	1						W
		(A=E/XXX) (B=E/XXX)									

Remarks

(M)MISPRINT:REFER TO THE NEXT ITEM.
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.15 NO.1-1 OR NO.2-2.

Fig.13. CRANKSHAFT,PISTON & CAMSHAFT



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160590-14051	CAMSHAFT ASSY	1							
2	1	160690-14051	CAMSHAFT ASSY		1						
11	2	160690-14560	SPRING,DECOMPRESSION	2							
11-1	2	160690-14570 (A=E/#41299)	SPRING,DECOMPRESSION	1							S
11-2	2	160590-14570 (A=E/#51908)	SPRING,DECOMPRESSION	1							S 1
11-3	2	160590-14571 (A=E/#D5915)	SPRING,DECOMPRESSION	1							R
12	2	160690-14560	SPRING,DECOMPRESSION		2						
12-1	2	160690-14570 (B=E/#73290)	SPRING,DECOMPRESSION		1						S
12-2	2	160690-14571 (B=E/#P6212)	SPRING,DECOMPRESSION		1						R
14	1	22512-040120	KEY, 4X 12	1	1						
15	1	160690-14200	TAPPET	2	2						
15-1	1	160490-14200 (A=E/#17683) (B=E/#38293)	TAPPET	2	2						N
16	1	160590-14400	ROD, PUSH	2							
17	1	114250-14400	ROD, PUSH		2						
18	1	160310-14550	WASHER	1	1						
19	1	22512-050300	KEY, 5X 30	1	1						
20	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
21	1	160610-04910	NUT, FLYWHEEL M14	1	1						
22	1	760590-21700	CRANKSHAFT ASSY	1							
23	1	760690-21702	CRANKSHAFT ASSY		1						
26	2	160590-21200	GEAR, CRANKSHAFT	1							
27	2	160690-21201	GEAR, CRANKSHAFT		1						
28	2	160590-21210	GEAR, IDLE	1	1						
29	2	160610-21290	KEY, 4X10	1							
30	2	22512-040120	KEY, 4X 12		1						
31	2	22512-040160	KEY, 4X 16	1	1						
32	1	160590-22010	PISTON ASSY	1							
32-1	1	160590-22011 (A=E/#35623)	PISTON ASSY	1							R
33	1	160690-22010	PISTON ASSY		1						
33-1	1	160690-22011 (B=E/#64336)	PISTON ASSY		1						R
36	2	760590-22500	RING SET, PISTON	1							
36-1	2	760590-22501 (A=E/#35623)	RING SET, PISTON	1							S 2
37	2	760690-22500	RING SET, PISTON		1						
37-1	2	760690-22501 (B=E/#48721)	RING SET, PISTON		1						S 2
44	1	160590-22300	PIN, PISTON	1							
45	1	160690-22300	PIN, PISTON		1						
46	1	22252-000130	RING, 13	2							
47	1	22252-000160	RING, 16		2						
48	1	760590-23700	ROD ASSY, CONNECTING	1							
49	1	760690-23700	ROD ASSY, CONNECTING		1						
52	2	160710-23201	BOLT, CONNECTING ROD	2	2						

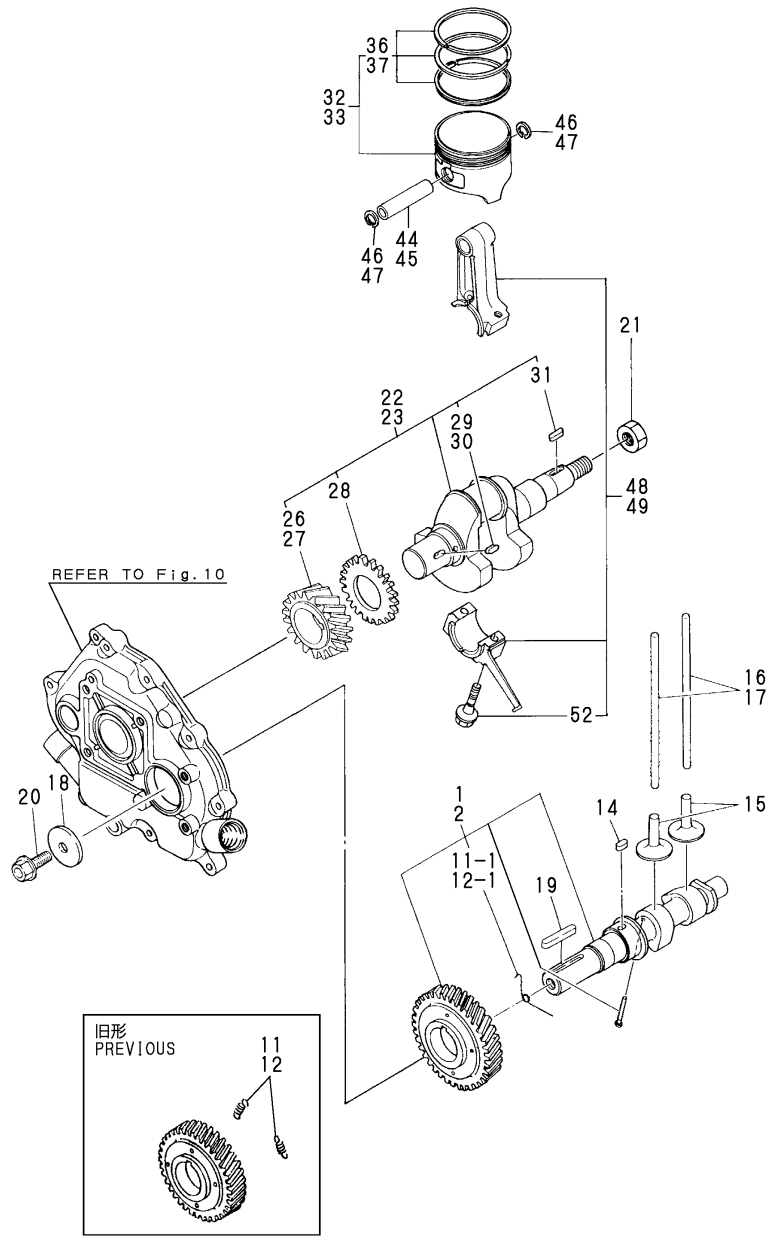
Remarks

- (1)SIZE CHANGED FROM L=30 TO L=33
- (2)TOP RING GROOVE CHANGED

Fig.13. CRANKSHAFT,PISTON & CAMSHAFT

(A)=GA120S
(B)=GA160S
(C)=

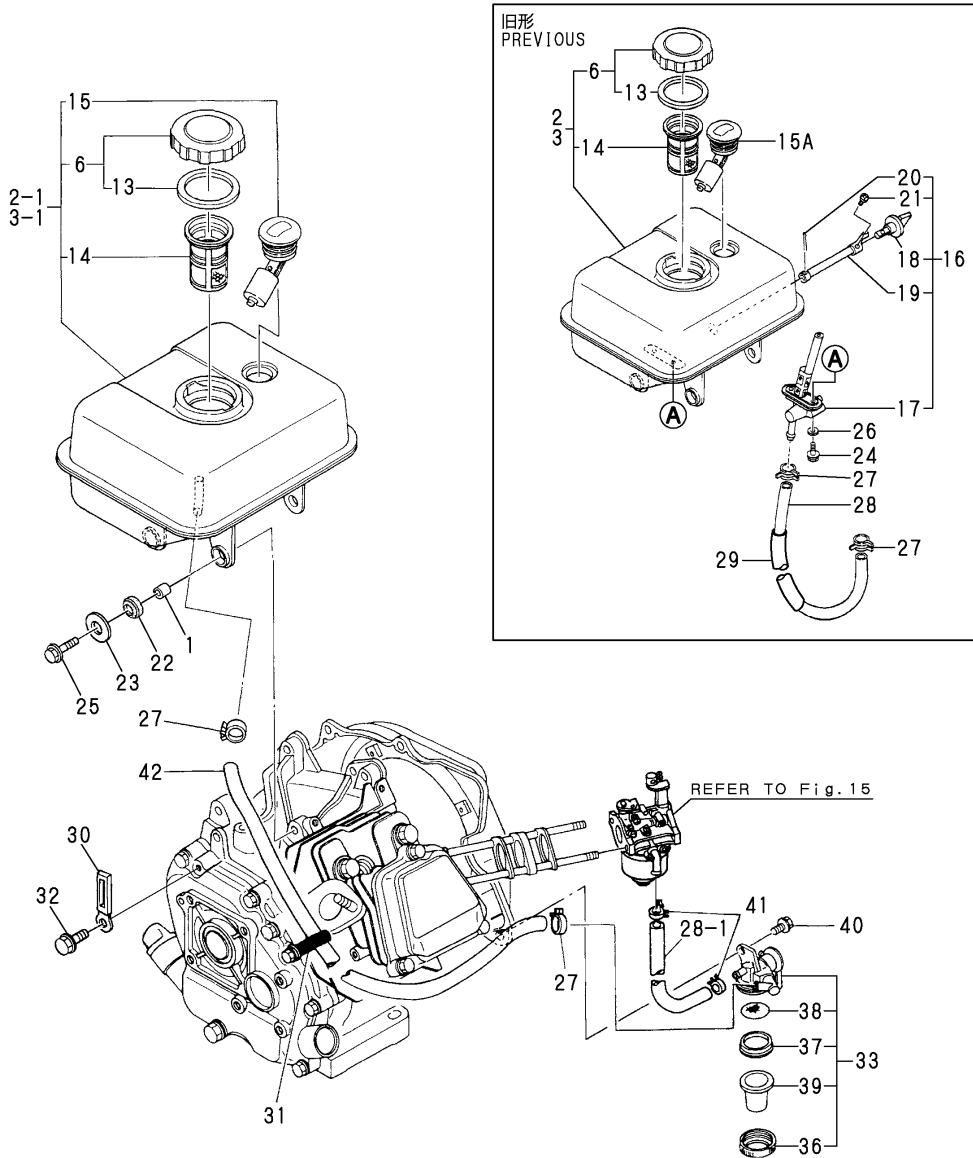
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52-1	2	26106-060302 (A=E/#96927) (B=E/#H6571)	BOLT, M6X 30 PLATED	2	2						R

Remarks
(1)SIZE CHANGED FROM L=30 TO L=33
(2)TOP RING GROOVE CHANGED

Fig.14. FUEL TANK & FUEL PIPE



Remarks
 (1)OUTLET PIPE UNIFIED
 (2)SIZE CHANGED FROM L=440;D=13.5 TO L=159;D=11.5
 (3)INTERCHANGEABILITY IS <S> WITH NO.16.

(A)=GA120S
 (B)=GA160S
 (C)=

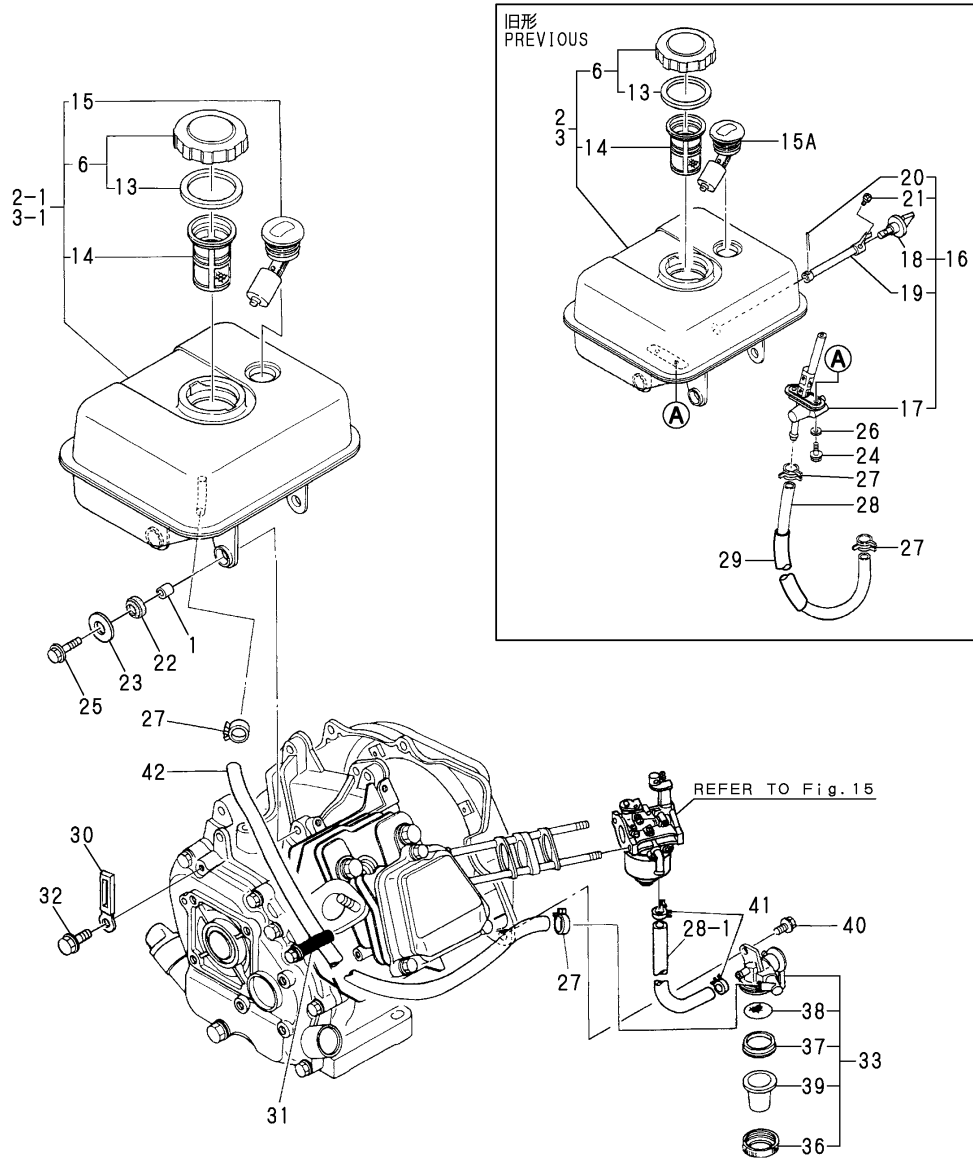
(D)=
 (E)=
 (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-45310	COLLAR	4	4						
2	1	760590-55700	TANK ASSY, FUEL	1							
2-1	1	760590-55702	TANK ASSY, FUEL	1						S	1
3	1	(A=*1993.02) 760690-55700	TANK ASSY, FUEL		1						
3-1	1	(B=*1993.02) 760690-55702	TANK ASSY, FUEL		1					S	1
6	2	160710-55061	CAP ASSY	1	1						
13	3	160393-55050	GASKET	1	1						
14	2	160610-55100	FILTER, FUEL	1	1						
15	2	160762-55150	GAUGE, FUEL	1	1						
15A	1	160762-55150	GAUGE, FUEL	1	1						
16	1	160690-55300	COCK ASSY, FUEL	1	1						Z
17	2	(A=*1993.02) (B=*1993.02) 160690-55310	COCK ASSY, FUEL	1	1						Z
18	2	(A=*1993.02) (B=*1993.02) 160690-55320	LEVER	1	1						Z
19	2	(A=*1993.02) (B=*1993.02) 160690-55330	SHAFT	1	1						Z
20	2	(A=*1993.02) (B=*1993.02) 22417-200200	PIN, COTTER 2.0X20	1	1						Z
21	2	(A=*1993.02) (B=*1993.02) 26557-040102	SCREW, M4X10	1	1						Z
22	1	160690-55460	DAMPER, FUEL TANK	4	4						
22-1	1	160690-55461	DAMPER, FUEL TANK	4	4						N
22-2	1	(A=E/#L9785) (B=E/#Z3624) 160690-55462	DAMPER, FUEL TANK	4	4						R
23	1	160610-55470	WASHER	4	4						Z
24	1	(A=*1993.02) (B=*1993.02) 26106-060142	BOLT, M6X 14 PLATED	2	2						Z
25	1	26476-060252	SCREW, TAPPING M6X25	4	4						
25-1	1	(A=E/#96927) (B=E/#H6571) 114370-45350	BOLT	4	4						N
25-2	1	(A=E/#E8799) (B=E/#R6334) 160690-55140	BOLT	4	4						R
26	1	(A=*1993.02) (B=*1993.02) 43400-500400	SEAL WASHER 6	2	2						Z
27	1	106990-44660	CLIP, HOSE 12.5	2	2						
28	1	160690-59360	PIPE, FUEL	1	1						
28-1	1	(A=*1993.02) (B=*1993.02) 160820-59390	PIPE, D11.5/L159	1	1						S 2
28-2	1	(A=E/#J7594) (B=E/#W7443) 160820-59391	HOSE, D11.5/L159	1	1						N
29	1	(A=E/XXX) (B=E/XXX) 160690-59400	TUBE, PROTECT	1	1						Z
30	1	(A=*1993.02) (B=*1993.02) 160260-78700	CLAMP	1	1						Z
31	1	160710-78710	CLAMP, CORD	1	1						

Fig.14. FUEL TANK & FUEL PIPE

(A)=GA120S
(B)=GA160S
(C)=

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

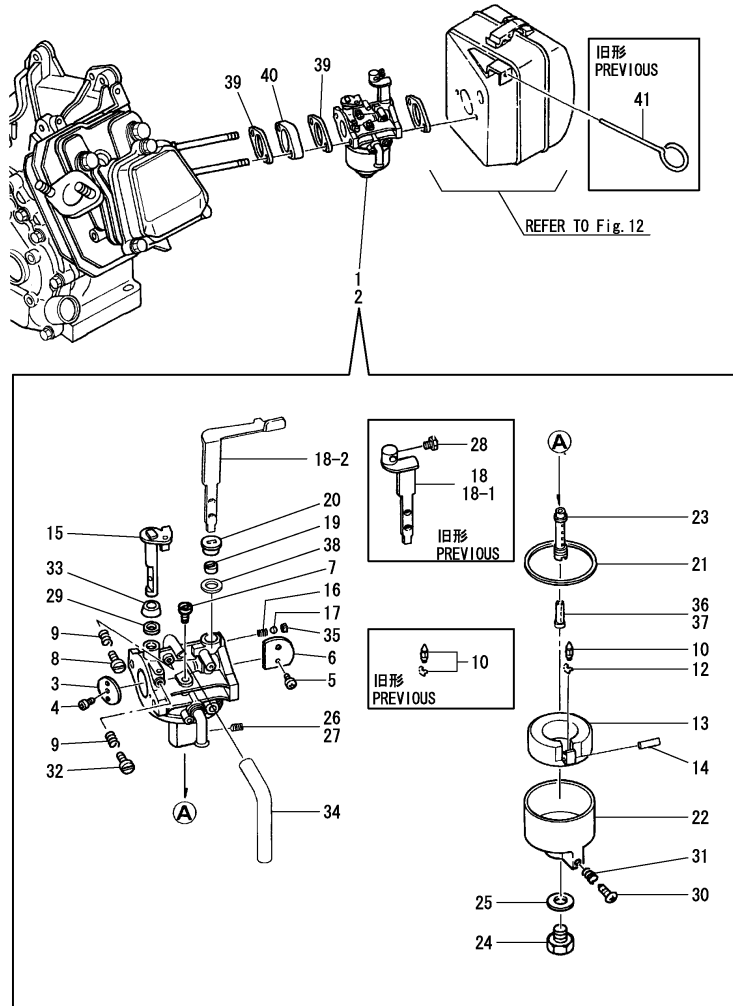


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	1	26476-060142 (A=*1993.02)	SCREW, TAPPING M6X14 (B=*1993.02)	1	1						Z
33	1	160692-55300 (A=*1993.02)	COCK ASSY, FUEL (B=*1993.02)	1	1						W 3
36	2	160710-55360 (A=*1993.02)	RING (B=*1993.02)	1	1						W
37	2	160710-55370 (A=*1993.02)	GASKET (B=*1993.02)	1	1						W
38	2	160710-55382 (A=*1993.02)	FILTER (B=*1993.02)	1	1						W
39	2	160710-55390 (A=*1993.02)	CUP, FUEL COCK L37 (B=*1993.02)	1	1						W
40	1	26106-060102 (A=*1993.02)	BOLT, M6X 10 PLATED (B=*1993.02)	1	1						W
41	1	124060-77680 (A=*1993.02)	CLIP, HOSE 10 (B=*1993.02)	2	2						W
41-1	1	119520-03990 (A=E/#L2230)	CLIP, HOSE 10.5 (B=E/#Y9742)	2	2						R
42	1	160802-59370 (A=*1993.02)	PIPE, FUEL (B=*1993.02)	1	1						W
42-1	1	160802-59371 (A=E/#J7594)	HOSE, FUEL A-400 (B=E/#W7443)	1	1						N

Remarks

- (1)OUTLET PIPE UNIFIED
- (2)SIZE CHANGED FROM L=440;D=13.5 TO L=159;D=11.5
- (3)INTERCHANGEABILITY IS <S> WITH NO.16.

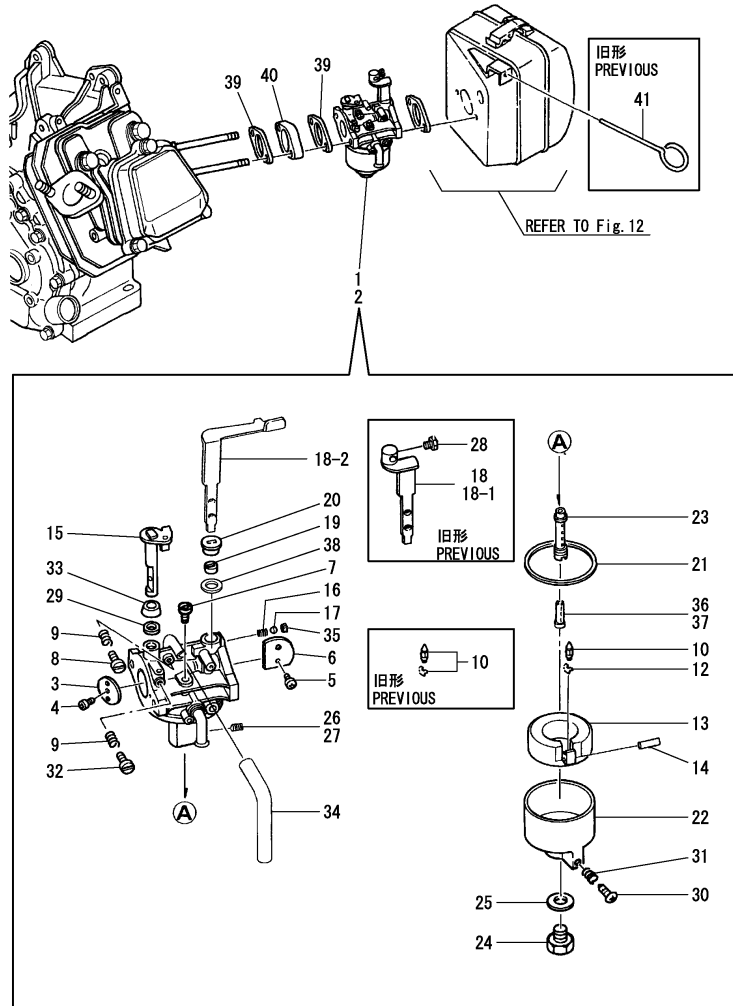
Fig.15. CARBURETOR



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160590-56010	CARBURETOR ASSY	1							
1-1	1	160590-56020	CARBURETOR ASSY	1							S 1
(A=*1989.09)											
1-2	1	160590-56030	CARBURETOR ASSY	1							N
(A=E/#15544)											
1-3	1	160597-56011	CARBURETOR ASSY	1							N
(A=*1993.02)											
1-4	1	160597-56012	CARBURETOR ASSY	1							N
(A=E/#N3228)											
2	1	160690-56010	CARBURETOR ASSY		1						
2-1	1	160690-56020	CARBURETOR ASSY		1						S 1
(B=*1989.09)											
2-2	1	160697-56010	CARBURETOR ASSY		1						N
(B=*1993.02)											
2-3	1	160697-56011	CARBURETOR ASSY		1						N
(B=E/#L6051)											
2-4	1	160697-56012	CARBURETOR ASSY		1						N
(B=E/#004714)											
2-5	1	160697-57020	CARBURETOR ASSY		1						N
(B=E/#009454)											
3	2	160592-56540	VALVE, THROTTLE	1	1						
4	2	160810-56670	SCREW	1	1						
4A-1	2	160690-56580	SCREW	1							N
(A=E/XXX)											
4B-1	2	160690-56560	SCREW		1						N
(B=E/#L6051)											
5	2	160903-56670	SCREW	2	2						
5-1	2	160690-56570	SCREW	2	2						N
(A=E/XXX) (B=E/#L6051)											
6	2	160590-56530	VALVE, CHOKE	1	1						
6-1	2	160593-56700	VALVE, CHOKE	1							S
(A=E/#N3228)											
7	2	160610-56740	JET, PILOT	1	1						
7-1	2	160667-56740	JET, PILOT	1							S
(A=*1993.02)											
7-2	2	160590-56750	JET, PILOT	1							S
(A=E/#N3228)											
8	2	160692-56710	SCREW	1	1						
9	2	181230-56380	SPRING	2	2						
10	2	160692-56560	VALVE ASSY, NEEDLE	1	1						2
10-1	2	160710-56732	VALVE, INJECTION	1	1						S 2
(A=E/XXX) (B=E/#L6051)											
12	2	160692-56750	CLIP	1	1						
13	2	160769-56620	FLOAT ASSY	1	1						
13-1	2	160697-56620	FLOAT ASSY	1	1						S
(A=*1993.02) (B=*1993.02)											
14	2	160610-56630	PIN, FLOAT	1	1						
14-1	2	160610-56631	PIN, FLOAT		1						S
(B=E/#057364)											
14-2	2	160690-56630	PIN, FLOAT	1							S
(A=E/XXX)											

Remarks
 (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.12 NO.1-2.
 (2)REPAIR PART.

Fig.15. CARBURETOR



(A)=GA120S
(B)=GA160S
(C)=

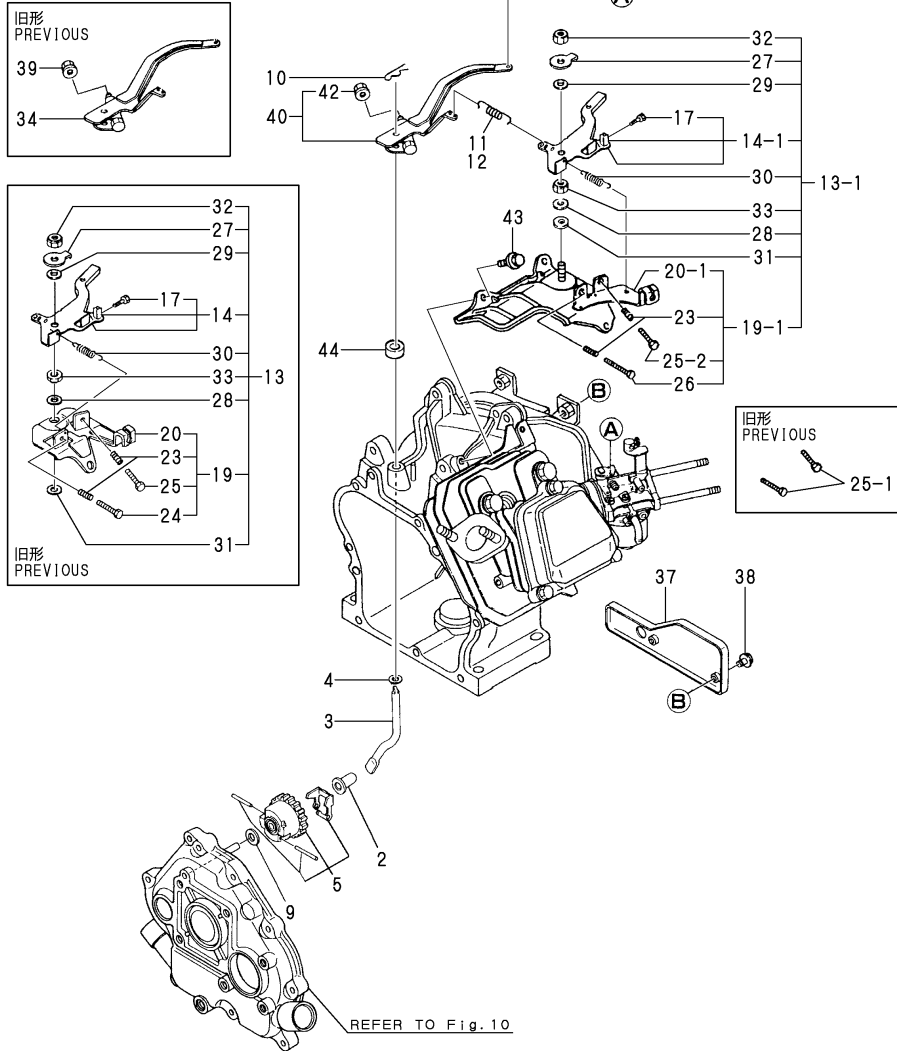
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
15	2	160692-56640	SHAFT, THROTTLE	1	1						
16	2	160310-56980	SPRING, CHOKE	1	1						
17	2	160310-56990	BALL, STEEL	1	1						
18	2	160590-56650	LEVER, CHOKE	1	1						
18-1	2	160690-56650	LEVER, CHOKE	1	1						N
		(A=E/#15544) (B=E/#35229)									
18-2	2	160697-56650	LEVER, CHOKE	1	1						S
		(A=*1993.02) (B=*1993.02)									
19	2	160810-56580	RING, CHOKE SHAFT	1	1						
20	2	160810-56590	RING, CHOKE LEVER	1	1						
21	2	160610-56610	GASKET	1	1						
22	2	160769-56640	BODY, FLOAT CHAMBER	1	1						
23	2	160590-56670	NOZZLE, MAIN	1	1						
23A-1	2	160590-56681	NOZZLE, MAIN	1							S
		(A=*1993.02)									
23B-1	2	160598-56670	NOZZLE, MAIN		1						S
		(B=E/#L6051)									
24	2	160769-56660	BOLT	1	1						
25	2	160610-56611	GASKET	1	1						
25-1	2	160810-56550	WASHER	1	1						S
		(A=E/XXX) (B=E/#L6051)									
26	2	160590-56770	JET, ENRICHMENT	1							
26-1	2	160590-56771	JET, MAIN	1							S
		(A=*1993.02)									
27	2	160690-56800	JET, ENRICHMENT		1						
27-1	2	160693-56580	JET, MAIN		1						S
		(B=E/#L6051)									
28	2	26117-040088	BOLT M 4X 8 PLATED	1	1						Z
		(A=*1993.02) (B=*1993.02)									
29	2	160640-56850	SEAL	1	1						
30	2	160610-56900	SCREW	1	1						
31	2	181230-56380	SPRING	1	1						
32	2	160667-56750	ADJUSTER	1	1						
33	2	160702-56720	RING	1	1						
34	2	160692-56770	HOSE	1	1						Z
		(A=*1993.02) (B=*1993.02)									
35	2	160692-56700	PLUG	1	1						
36	2	160590-56800	NOZZLE, MAIN	1							W
		(A=*1993.02)									
37	2	160690-56750	NOZZLE, MAIN		1						W
		(B=*1993.02)									
37-1	2	160690-56751	NOZZLE, MAIN		1						S
		(B=E/#L6051)									
38	2	160692-56800	RUBBER, SEAL	1	1						W
		(A=*1993.02) (B=*1993.02)									
39	1	160610-56150	GASKET, CARBURETOR	2	2						
39-1	1	160610-56151	GASKET, CARBURETOR	2	2						R
		(A=E/#G4725) (B=E/#T9171)									
40	1	160690-56160	SPACER, CARBURETOR	1	1						
41	1	160690-56900	ROD, CHOKE	1	1						Z
		(A=*1989.09) (B=*1989.09)									

Remarks

(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.12 NO.1-2.
(2)REPAIR PART.

Fig.16. GOVERNOR & CONTROL DEVICE



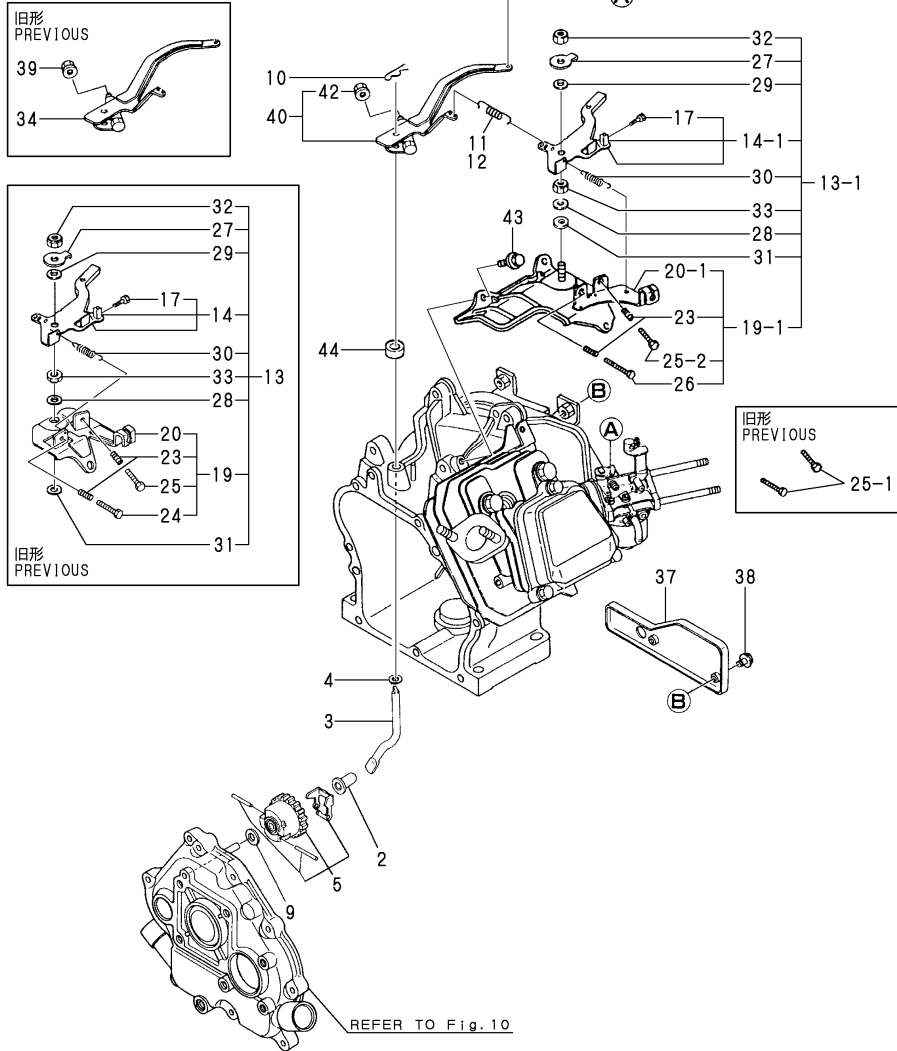
Remarks
 (1)SIZE CHANGED FROM L=50.5 TO L=49.5
 (2)SIZE CHANGED FROM L=46 TO L=44.5
 (3)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.

(A)=GA120S
 (B)=GA160S
 (C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160690-61300	SPINDLE	1	1						
2-1	1	160690-61301	SPINDLE	1	1						R
		(A=E/#A7056) (B=E/#K2649)									
3	1	160690-61310	SHAFT	1	1						
3-1	1	160690-61311	SHAFT	1	1						R
		(A=E/#C2878) (B=E/#M5231)									
4	1	160690-61450	WASHER	1	1						
5	1	160690-61600	GEAR ASSY, GOVERNOR	1	1						
9	1	160120-76940	WASHER	1	1						
10	1	22360-080000	SNAP PIN 8	1	1						
10-1	1	22372-080000	PIN, SNAP 8	1	1						N
		(A=E/#11865) (B=E/#26279)									
11	1	160590-66010	SPRING, GOVERNOR	1							
11-1	1	160594-66011	SPRING, GOVERNOR	1							S 1
		(A=E/#60828)									
12	1	160690-66010	SPRING, GOVERNOR		1						
12-1	1	160690-66011	SPRING, GOVERNOR		1						S 2
		(B=E/#B2112)									
13	1	160690-66100	CONTROLLER ASSY	1	1						
13-1	1	160690-66101	CONTROLLER ASSY	1	1						N
		(A=E/#16436) (B=E/#37922)									
14	2	160690-66080	LEVER, CONTROL	1	1						
14-1	2	160690-66081	LEVER ASSY, CONTROL	1	1						N
		(A=E/#16436) (B=E/#37922)									
17	3	26117-040088	BOLT M 4X 8 PLATED	1	1						
19	2	160690-66110	BASE ASSY	1	1						
19-1	2	160690-66111	BASE ASSY	1	1						N
		(A=E/#15006) (B=E/#34217)									
20	3	160690-66120	BASE, CONTROL	1	1						
20-1	3	160690-66141	BASE ASSY	1	1						N
		(A=E/#15006) (B=E/#34217)									
20-2	3	160690-66142	BASE ASSY	1	1						N
		(A=E/#53120) (B=E/#98227)									
20-3	3	160690-66143	BASE ASSY	1	1						N
		(A=*1993.01) (B=*1993.01)									
23	3	160520-66291	SPRING	2	2						
24	3	160910-66440	BOLT, ADJUSTER	1	1						Z
		(A=E/#15006) (B=E/#34217)									
25	3	26117-040257	BOLT, M4X 25 PLATED	1	1						
25-1	3	26117-040257	BOLT, M4X 25 PLATED	2	2						K
		(A=E/#15006) (B=E/#34217)									
25-2	3	26117-040257	BOLT, M4X 25 PLATED	1	1						K
		(A=E/XXX) (B=E/XXX)									
26	3	26117-040357	BOLT, M4X 35 PLATED	1	1						W
		(A=E/XXX) (B=E/XXX)									
26-1	3	26117-040257	BOLT, M4X 25 PLATED	1	1						N
		(A=*2009.03) (B=*2009.03)									
27	2	160690-66160	WASHER	1	1						
28	2	160664-66170	WASHER	1	1						
29	2	160664-66180	SPRING	1	1						
30	2	160664-66220	SPRING, RETURN	1	1						

Fig.16. GOVERNOR & CONTROL DEVICE



(A)=GA120S
(B)=GA160S
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
31	2	22137-060000	WASHER, 6	1	1						
32	2	26347-060002	NUT, M6	1	1						
33	2	26757-060002	NUT, LOCK M6	1	1						
34	1	160690-66150 (A=E/#38214) (B=E/#68738)	LEVER, GOVERNOR	1	1						Z
35	1	160690-66200	LINK, THROTTLE	1	1						
36	1	160690-66210	SPRING, TENSION	1	1						
37	1	160690-66300	PANEL	1	1						
37-1	1	160690-66310	PANEL	1	1						S 3
38	1	26106-060102 (A=*1993.02) (B=*1993.02)	BOLT, M6X 10 PLATED	2	2						
38-1	1	26106-060162 (A=E/XXX) (B=E/XXX)	BOLT, M6X 16 PLATED	2	2						N
39	1	26366-060002 (A=E/#38214) (B=E/#68738)	NUT, M6	1	1						Z
40	1	160690-66180 (A=E/#38214) (B=E/#68738)	LEVER ASSY, GOVERNOR	1	1						W
42	2	26366-060002	NUT, M6	1	1						W
43	1	26476-060142 (A=E/#15006) (B=E/#34217)	SCREW, TAPPING M6X14	3	3						W
44	1	114770-61600 (A=E/#49044) (B=E/#89511)	SEAL, OIL	1	1						W

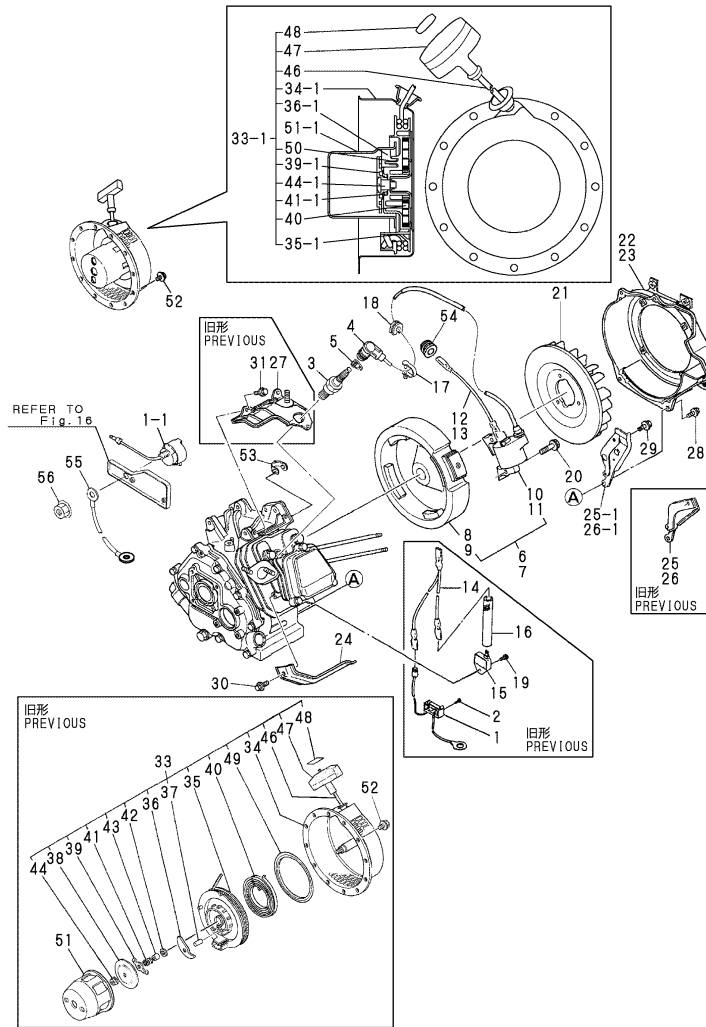
Remarks

- (1)SIZE CHANGED FROM L=50.5 TO L=49.5
- (2)SIZE CHANGED FROM L=46 TO L=44.5
- (3)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.

Fig.17. FLY.MAGNETO & STARTING DEVICE

(A)=GA120S
(B)=GA160S
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160690-77250	SWITCH, STOP	1	1						
1-1	1	160611-77250	SWITCH, STOP	1	1					S	1
		(A=*1993.02) (B=*1993.02)									
2	1	22857-200100	SCREW, 2X10	2	2						Z
		(A=*1993.02) (B=*1993.02)									
3	1	160690-78010	PLUG, SPARK BP6ES	1	1						
3-1	1	160690-78020	PLUG, SPARK	1	1						N
		(A=E/#59213) (B=E/#A8347)									
3-2	1	160690-78030	PLUG, SPARK N11YC	1	1						N
		(A=E/XXX) (B=E/XXX)									
4	1	160700-78040	CAP, PLUG	1	1						
5	1	160700-78050	TERMINAL, PLUG	1	1						
6	1	160590-78071	MAGNETIC ASSY	1							
6-1	1	160590-78091	MAGNETIC ASSY	1							N
		(A=E/#35623)									
6-2	1	160590-78092	MAGNETIC ASSY	1							N
		(A=E/#E9900)									
7	1	160690-78071	MAGNETIC ASSY		1						
7-1	1	160690-78082	MAGNETIC ASSY		1						N
		(B=E/#64336)									
7-2	1	160690-78083	MAGNETIC ASSY		1						N
		(B=E/#R8297)									
8	2	160590-78521	ROTOR	1							
8-1	2	160590-78540	ROTOR	1							N
		(A=E/#19628)									
8-2	2	160590-78541	ROTOR	1							N
		(A=E/#E9900)									
8-3	2	160590-78542	ROTOR	1							N
		(A=E/#F0839)									
9	2	160690-78521	ROTOR		1						
9-1	2	160690-78541	ROTOR		1						N
		(B=E/#43389)									
9-2	2	160690-78542	ROTOR		1						N
		(B=E/#R8297)									
10	2	160590-78530	COIL, IGNITION	1							
10-1	2	160594-78530	COIL, IGNITION	1							N
		(A=E/#15544)									
10-2	2	160594-78531	COIL, IGNITION	1							S 2
		(A=E/#35623)									
10-3	2	160590-78532	COIL, IGNITION	1							N
		(A=E/XXX)									
10-4	2	160590-78533	COIL, IGNITION	1							N
		(A=E/#L2230)									
11	2	160690-78530	COIL, IGNITION		1						
11-1	2	160690-78531	COIL, IGNITION		1						N
		(B=E/#35229)									
11-2	2	160690-78532	COIL, IGNITION		1						S 3
		(B=E/#64336)									
11-3	2	160690-78533	COIL, IGNITION		1						N
		(B=E/#Y8384)									
12	1	160690-78230	WIRE	1							W 2

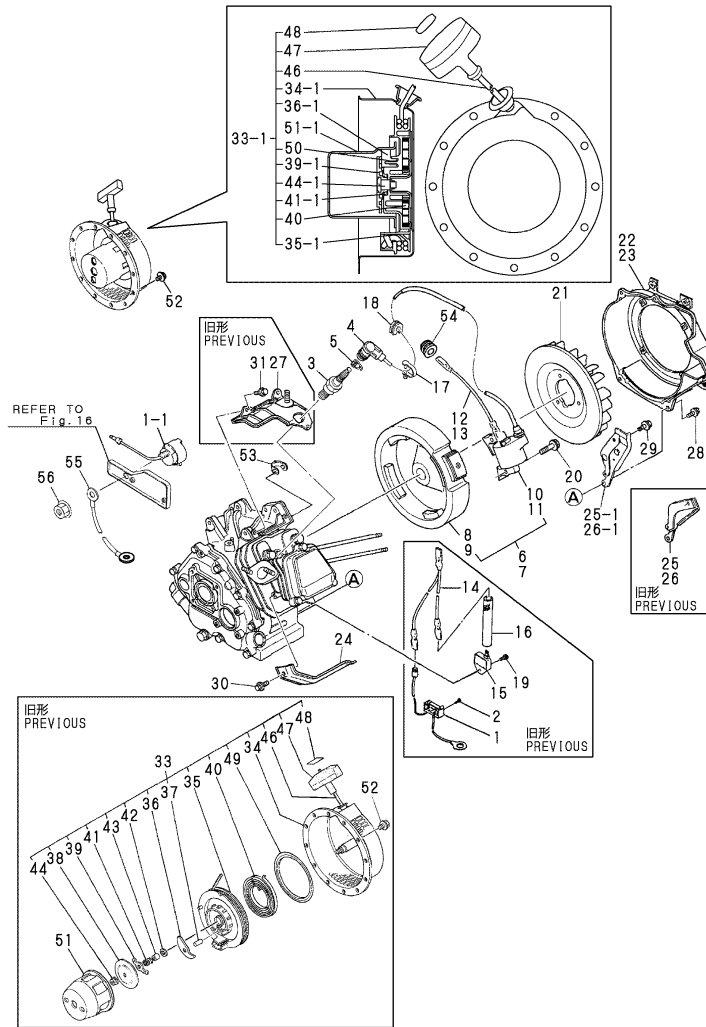
Remarks

- (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.10-2 AND 12.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.11-2 AND 13.
- (4)FUEL COCK STAY ADDED
- (5)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.51-1.
- (6)THIS PART IS USED FOR NO.33.
- (7)THIS PART IS USED FOR NO.33-1.

Fig.17. FLY.MAGNETO & STARTING DEVICE

(A)=GA120S
(B)=GA160S
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
13	1	160690-78230	WIRE		1						W	3
		(A=E/#35623) (B=E/#64336)										
13-1	1	160690-78230	WIRE		1						Z	
		(B=EXXX)										
14	1	160690-78210	WIRE, LEAD	1	1						Z	
15	1	160690-78650	TRANSISTOR	1	1						Z	
		(A=E/#15544) (B=E/#35229) (A=E/#15544) (B=E/#35229)										
16	1	160690-78660	TUBE, PROTECT	1	1						Z	
		(A=E/#15544) (B=E/#35229)										
17	1	160690-78700	CLAMP, CORD	1	1							
17-1	1	29610-000950	CLAMP, SPEED 095	1	1						N	
		(A=E/#34410) (B=E/#62241)										
18	1	160700-78720	GROMMET	1	1							
19	1	26023-040102	SCREW, M4X10	1	1						Z	
		(A=E/#35623) (B=E/#64336)										
20	1	26476-060302	SCREW, TAPPING M6X30	2	2							
20-1	1	160690-04350	BOLT, M6X30	2	2							R
		(A=E/#N4722) (B=E/#009454)										
21	1	160690-45011	FAN, COOLING	1	1							
21-1	1	160699-45010	CASE, COOLING FAN	1	1							R
		(A=E/#75807) (B=E/#E5117)										
22	1	160590-45120	CASE, COOLING FAN	1								
22-1	1	160590-45130	CASE, COOLING FAN	1								S 4
		(A=*1993.02)										
23	1	160690-45120	CASE, COOLING FAN		1							
23-1	1	160698-45110	CASE, COOLING FAN	1								S 4
		(B=*1993.02)										
24	1	160690-45200	COVER	1	1							
24-1	1	160699-45200	COVER	1	1							R
		(A=E/#F6349) (B=E/#E5117)										
25	1	160590-45210	COVER	1								
25-1	1	160590-45211	COVER	1								N
		(A=E/#41299)										
25-2	1	160590-45211	COVER	1								Z
		(A=E/#F2357)										
26	1	160690-45210	COVER		1							
26-1	1	160690-45211	COVER		1							N
		(B=E/#73290)										
26-2	1	160690-45211	COVER		1							Z
		(B=*1992.04)										
27	1	160690-45220	COVER, HEAD	1	1							Z
		(A=E/#15006) (B=E/#34217)										
28	1	26476-060122	SCREW, TAPPING M6X12	4	4							
28-1	1	26476-060142	SCREW, TAPPING M6X14	4	4							N
		(A=E/#41299) (B=E/#73290)										
29	1	26476-060122	SCREW, TAPPING M6X12	1	1							
29-1	1	26476-060142	SCREW, TAPPING M6X14	1	1							N
		(A=E/#41299) (B=E/#73290)										
29-2	1	26476-060142	SCREW, TAPPING M6X14	1	1							Z

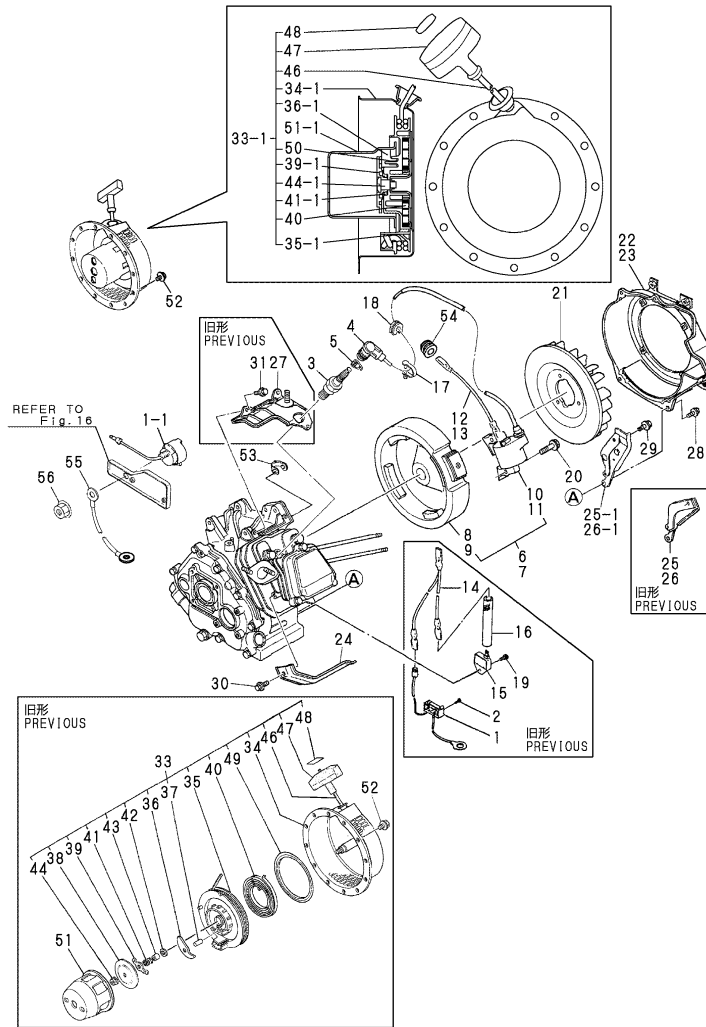
Remarks

- (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.10-2 AND 12.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.11-2 AND 13.
- (4)FUEL COCK STAY ADDED
- (5)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.51-1.
- (6)THIS PART IS USED FOR NO.33.
- (7)THIS PART IS USED FOR NO.33-1.

Fig.17. FLY.MAGNETO & STARTING DEVICE

(A)=GA120S
(B)=GA160S
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=E/#F2357) (B=*1992.04)									
30	1	26476-060122	SCREW, TAPPING M6X12	1	1						
30-1	1	26476-060142	SCREW, TAPPING M6X14	1	1						N
		(A=E/#41299) (B=E/#73290)									
31	1	26476-060122	SCREW, TAPPING M6X12	3	3						Z
		(A=E/#15006) (B=E/#34217)									
33	1	160690-76250	STARTER ASSY, RECOIL	1	1						
33-1	1	160690-76251	STARTER ASSY, RECOIL	1	1						F 5
		(A=E/#A1486) (B=E/#J3664)									
34	2	160690-76510	CASE, STARTER	1	1						
34-1	2	160690-76511	CASE ASSY, STARTER	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
35	2	160690-76520	REEL	1	1						
35-1	2	160690-76521	REEL	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
36	2	160690-76800	RATCHET	1	1						
36-1	2	160690-76801	RATCHET	2	2						S
		(A=E/#A1486) (B=E/#J3664)									
37	2	160690-76810	PIN, RATCHET	1	1						6
38	2	160690-76580	PLATE, FRICTION	1	1						
39	2	160690-76530	GUIDE, RATCHET	1	1						
39-1	2	160690-76531	GUIDE, RATCHET	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
40	2	160690-76540	SPRING, SPIRAL	1	1						
41	2	160690-76560	SPRING, FRICTION	1	1						
41-1	2	160690-76561	SPRING, FRICTION	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
42	2	160690-76550	WASHER, THRUST	1	1						6
43	2	160690-76820	SHAFT	1	1						6
44	2	26367-060002	NUT, M6	1	1						6
44-1	2	160698-76580	SCREW	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
46	2	160690-76630	ROPE, STARTER	1	1						
47	2	160690-76620	KNOB, STARTER	1	1						
48	2	160690-76830	CAP, KNOB	1	1						
49	2	160690-76840	PLATE	1	1						6
50	2	160690-76570	SPRING, RETURN	2	2						7
51	1	160690-76590	PULLEY, STARTER	1	1						
51-1	1	160690-76591	PULLEY, STARTER	1	1						S
		(A=E/#A1486) (B=E/#J3664)									
52	1	26106-060082	BOLT, M6X 8 PLATED	4	4						
53	1	29610-000650	CLAMP, SPEED 065	1	1						W
		(A=E/XXX) (B=E/XXX)									
54	1	160341-01950	PIPE	1							W
		(A=E/XXX)									
54-1	1	160341-01950	PIPE	1							Z
		(A=E/#H2704)									
55	1	160495-77260	WIRE	1	1						W
		(A=*1993.02) (B=*1993.02)									
56	1	26366-080002	NUT, M8	1	1						W
		(A=*1993.02) (B=*1993.02)									

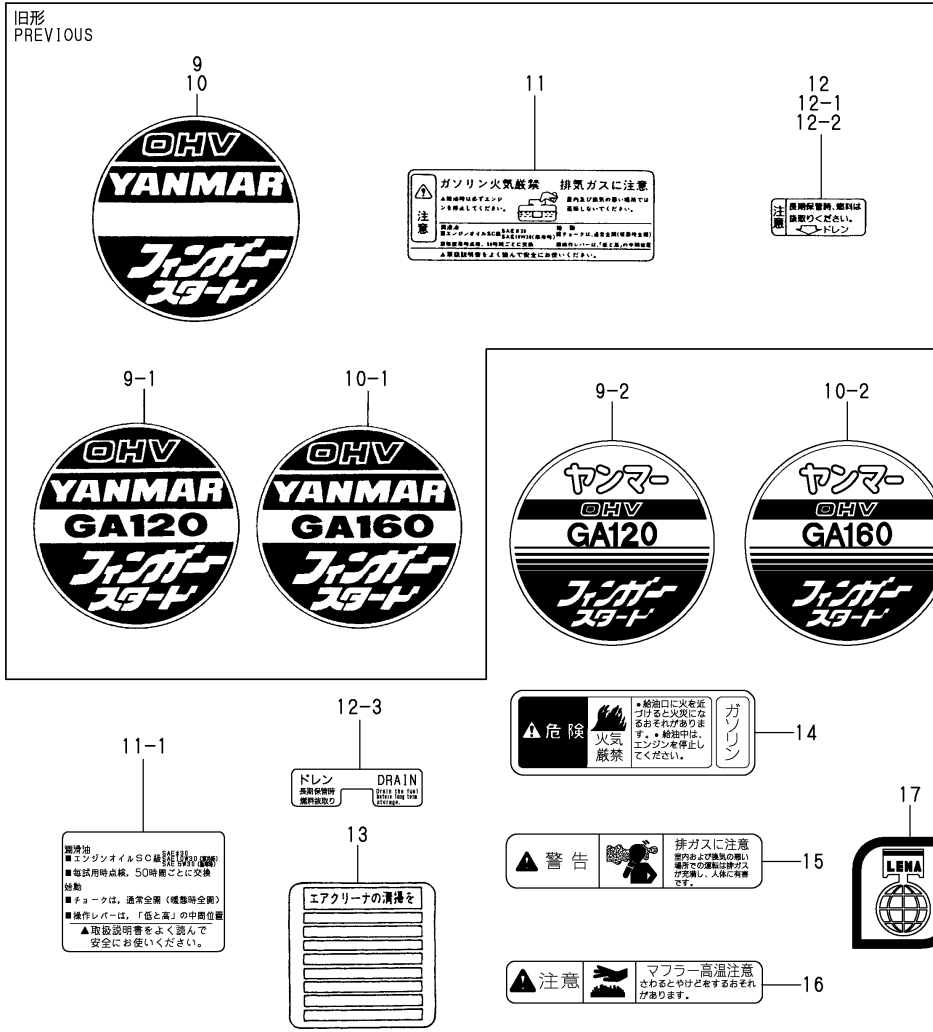
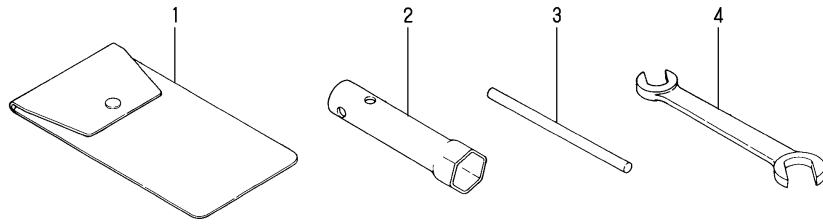
Remarks

- (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.10-2 AND 12.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.11-2 AND 13.
- (4)FUEL COCK STAY ADDED
- (5)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.51-1.
- (6)THIS PART IS USED FOR NO.33.
- (7)THIS PART IS USED FOR NO.33-1.

Fig.18. TOOL & LABEL

(A)=GA120S
(B)=GA160S
(C)=

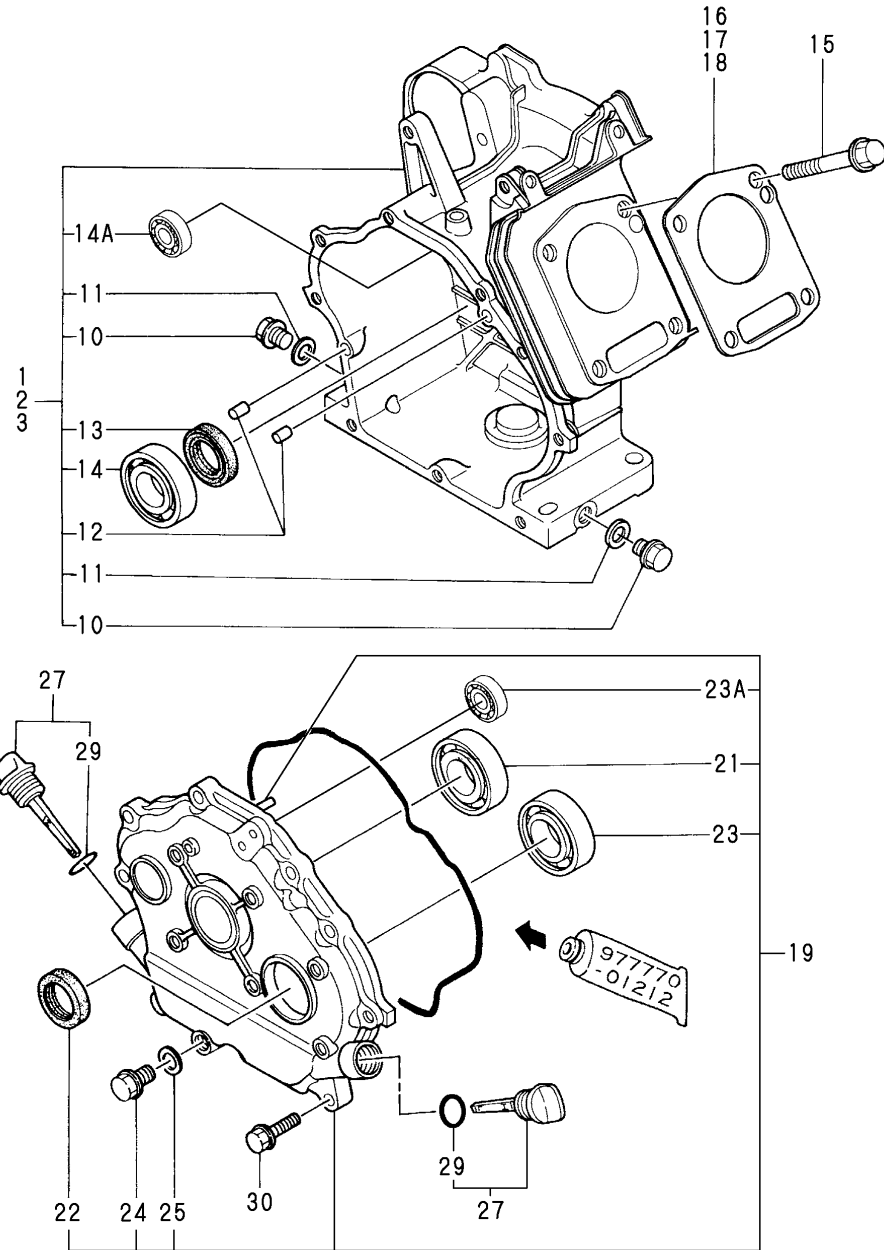
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160110-92610	BAG, TOOL	1	1						
2	1	160120-92700	WRENCH, 21 L86	1	1						
3	1	160110-92710	HANDLE, WRENCH	1	1						
4	1	28110-100120	SPANNER, 10X12	1	1						
9	1	160690-07100	LABEL, OHV MARK	1							
9-1	1	160590-07120	LABEL, OHV MARK	1							N
9-2	1	160590-07400	LABEL, FINGER START	1							N
10	1	160690-07100	LABEL, OHV MARK		1						
10-1	1	160690-07120	LABEL, OHV MARK		1						N
10-2	1	160690-07180	LABEL, FINGER START		1						N
11	1	160690-07250	LABEL, CAUTION	1	1						
11-1	1	160692-07250	LABEL, CAUTION	1	1						N
11-2	1	160692-07251	LABEL, CAUTION	1	1						R
12	1	160520-07270	LABEL, DRAIN	1	1						
12-1	1	160520-07271	LABEL, DRAIN	1	1						R
12-2	1	160520-07272	LABEL, DRAIN	1	1						S 1
12-3	1	160690-07260	LABEL, DRAIN	1	1						R
13	1	160520-07370	LABEL, CLEANER	1	1						
14	1	1A2100-86500	LABEL, DANGER	1	1						W
14-1	1	160690-07320	LABEL,NO FIRE	1	1						R
15	1	1E5120-86600	WARNING,EXHAUST GAS	1	1						W
15-1	1	105250-07340	LABEL,EXH.GAS CAUTN	1	1						R
16	1	1E5120-86720	LABEL, CAUTION	1	1						W
16-1	1	105250-07330	LABEL	1	1						R
17	1	161690-07300	LABEL	1	1						W

Remarks
(1)LABEL COLOR CHANGED

Fig.19. CYLINDER BLOCK



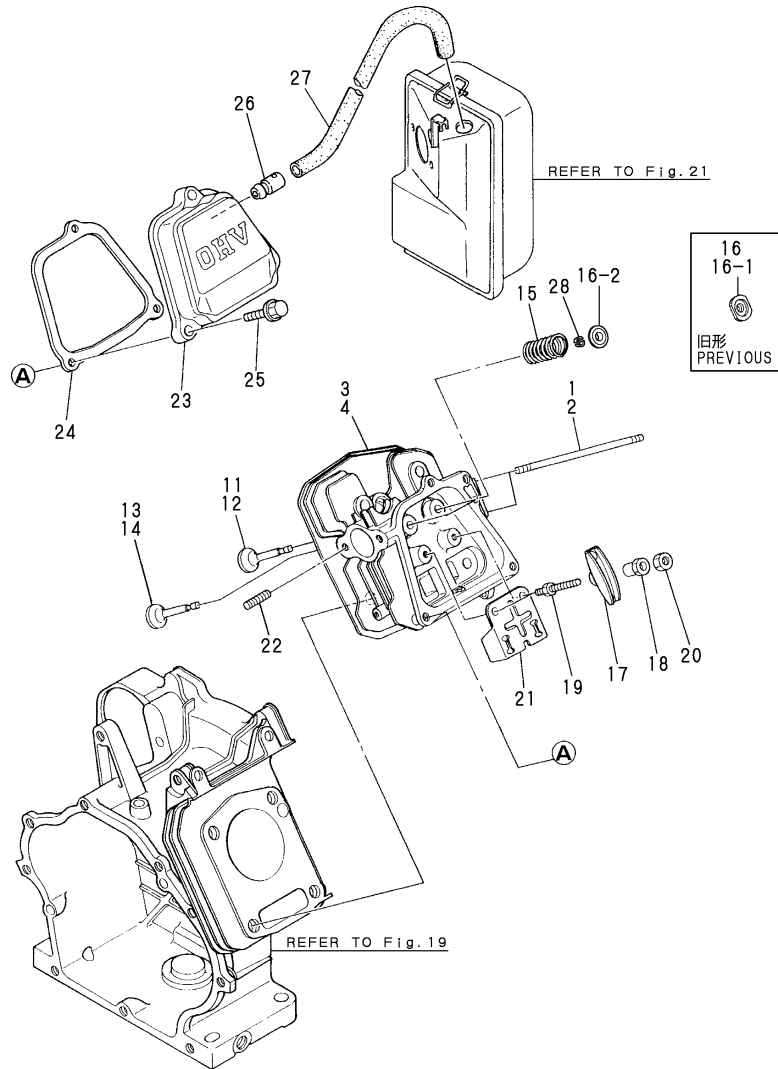
(A)=
(B)=
(C)=GA220S

(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760790-01560	BLOCK ASSY, CYLINDER			1					
1-1	1	760790-01561	BLOCK ASSY, CYLINDER (C=E/#41912)			1					R 1
2	1	760890-01560	BLOCK ASSY, CYLINDER						1		
2-1	1	760890-01561	BLOCK ASSY, CYLINDER (D=E/#52181)						1		N
3	1	760990-01560	BLOCK ASSY, CYLINDER							1	
3-1	1	760990-01561	BLOCK ASSY, CYLINDER (E=E/#08901)						1		N 1
10	2	160610-01690	PLUG, M12			2	2	2			
11	2	104200-59170	GASKET, 12			2	2	2			
12	2	22312-080120	PIN, PARALLEL M8X12			2	2	2			
12-1	2	114270-01600	PIN, M8X12 (C=E/#37837) (D=E/#11779) (E=E/#07250)			2	2	2			R
13	2	160110-02220	SEAL, OIL			1	1	1			
14	2	24101-062060	BEARING, BALL 6206C3			1	1	1			
14-1	2	129900-26250	BEARING, BALL 6206C3 (C=E/#67947) (D=E/#73765) (E=E/#11764)			1	1	1			N
14A	2	160903-28020	BEARING, 6202C3E			1	1	1			
15	1	160890-01210	BOLT, FLANGE M10X70			4	4	4			
16	1	160790-01330	GASKET, HEAD			1					
16-1	1	160790-01331	GASKET, HEAD (C=E/#68209)			1					N
17	1	160890-01330	GASKET, HEAD					1			
17-1	1	160890-01331	GASKET, HEAD (D=E/#73765)					1			N
18	1	160990-01330	GASKET, HEAD						1		
18-1	1	160990-01331	GASKET, HEAD (E=E/#11764)						1		N
19	1	760792-01500	COVER ASSY			1	1	1			
19-1	1	760792-01501	COVER ASSY (C=E/#40386) (D=E/#15937) (E=E/#07250)			1	1	1			R
19-2	1	760792-01502	COVER ASSY (C=E/#54160) (D=E/#52181) (E=E/#08003)			1	1	1			R
21	2	24101-062060	BEARING, BALL 6206C3			1	1	1			
21-1	2	129900-26250	BEARING, BALL 6206C3 (C=E/#67947) (D=E/#73765) (E=E/#11764)			1	1	1			N
22	2	160110-02220	SEAL, OIL			1	1	1			
23	2	24101-062060	BEARING, BALL 6206C3			1	1	1			
23-1	2	129900-26250	BEARING, BALL 6206C3 (C=E/#67947) (D=E/#73765) (E=E/#11764)			1	1	1			N
23A	2	160903-28020	BEARING, 6202C3E			1	1	1			
24	2	160610-01690	PLUG, M12			1	1	1			
25	2	104200-59170	GASKET, 12			1	1	1			
27	1	160810-01740	CAP ASSY			2	2	2			
29	2	24311-000180	O-RING, 1AP18.0			2	2	2			
30	1	26106-080302	BOLT, M8X 30 PLATED			9	9	9			

Remarks
(1) REAR COVER UNIFIED

Fig.20. CYLINDER HEAD & BONNET



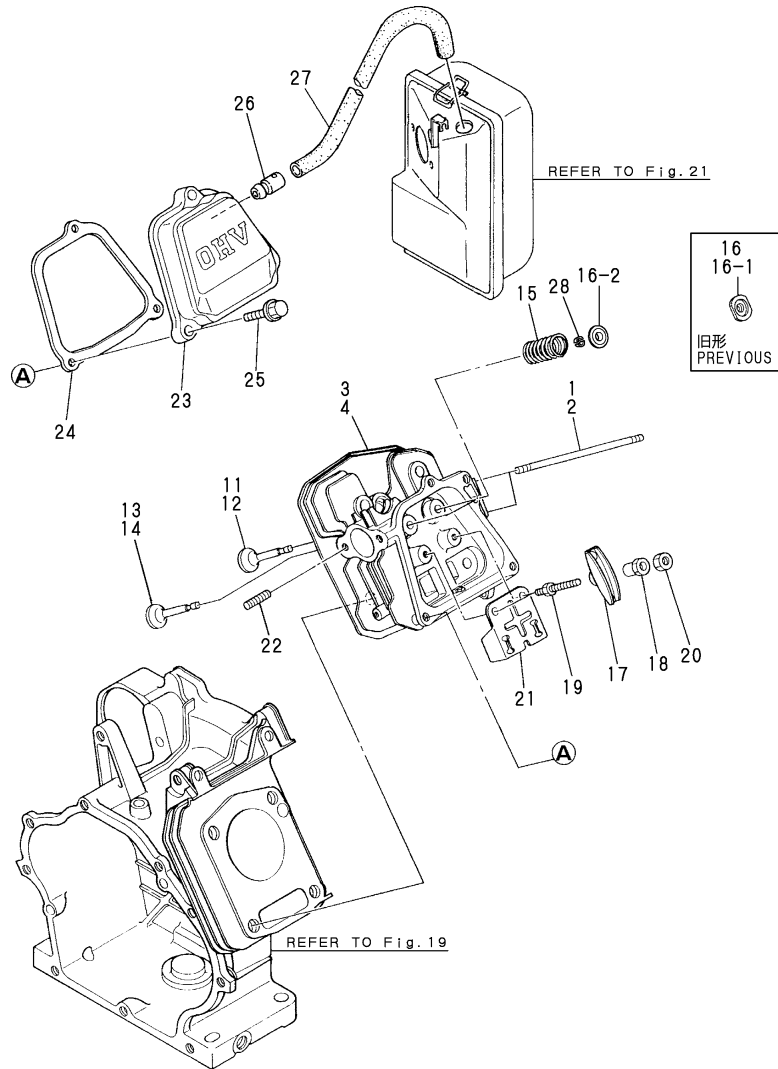
(A)=
(B)=
(C)=GA220S
(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160790-04600	BOLT, M6X75			2					
2	1	160890-04320	STUD, M8X 85				2	2			
3	1	160790-11010	HEAD ASSY, CYLINDER			1					
3-1	1	160790-11011	HEAD ASSY, CYLINDER (C=E/#67353)			1					F 1
4	1	160890-11010	HEAD ASSY, CYLINDER				1	1			
4-1	1	160890-11011	HEAD ASSY, CYLINDER (D=E/#68539)		(E=E/#11764)		1	1			F 2
11	1	160790-11100	VALVE, INTAKE			1					
11-1	1	160790-11101	VALVE, INTAKE (C=E/#67353)			1					S
12	1	160890-11100	VALVE, INTAKE				1	1			
12-1	1	160890-11101	VALVE, INTAKE (D=E/#68539)		(E=E/#11764)		1	1			S
13	1	160790-11110	VALVE, EXHAUST			1					
13-1	1	160790-11111	VALVE, EXHAUST (C=E/#67353)			1					S
14	1	160890-11110	VALVE, EXHAUST				1	1			
14-1	1	160890-11111	VALVE, EXHAUST (D=E/#68539)		(E=E/#11764)		1	1			S
15	1	160890-11120	SPRING, VALVE			2	2	2			
16	1	160810-11180	RETAINER, SPRING			2	2	2			
16-1	1	160890-11180	RETAINER, SPRING (C=E/#53196)	(D=E/#52181)	(E=E/#08003)	2	2	2			S 3
16-2	1	160890-11190	RETAINER, SPRING (C=E/#67353)	(D=E/#68539)	(E=E/#11764)	2	2	2			S
17	1	160890-11200	ARM, ROCKER			2	2	2			
17-1	1	160890-11202	ARM, ROCKER (C=E/#53196)	(D=E/#52181)	(E=E/#08003)	2	2	2			S 3
18	1	160690-11220	PIVOT, ROCKER ARM			2	2	2			
18-1	1	160690-11221	PIVOT, ROCKER ARM (C=E/#53196)	(D=E/#52181)	(E=E/#08003)	2	2	2			S 3
18-2	1	160690-11222	PIVOT, ROCKER ARM (C=E/#70991)	(D=E/#75909)	(E=E/#12602)	2	2	2			R
19	1	160690-11270	BOLT			2	2	2			
19-1	1	160690-11271	BOLT (C=E/#23961)	(D=E/#03536)	(E=E/#02164)	2	2	2			N
19-2	1	160890-11270	BOLT (C=E/#53196)	(D=E/#52181)	(E=E/#08003)	2	2	2			S 3
20	1	160690-11280	NUT, M6X0.5			2	2	2			
21	1	160890-11290	PLATE, GUIDE			1	1	1			
22	1	26216-080182	STUD, M8X 18			2	2	2			
22-1	1	26226-080182	STUD, M8X 18 (C=E/#67353)	(D=E/#68539)	(E=E/#11764)	2	2	2			S
22-2	1	160890-04330	STUD, 2D8X18 (C=E/#67353)	(D=E/#68539)	(E=E/#11764)	2	2	2			R
23	1	160890-11300	BONNET ASSY, HEAD			1	1	1			
24	1	160890-11310	GASKET, BONNET			1	1	1			
24-1	1	160890-11311	GASKET, BONNET (C=E/#67353)	(D=E/#73765)	(E=E/#11764)	1	1	1			R
25	1	26476-060352	SCREW, TAPPING M6X35			3	3	3			

Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.3-1,11-1,13-1,16-2,22-1 AND 28.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.4-1,12-1,14-1,16-2,22-1 AND 28.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.16-1,17-1,18-1 AND 19-2.

Fig.20. CYLINDER HEAD & BONNET



(A)=
(B)=
(C)=GA220S

(D)=GA280S
(E)=GA300S
(F)=

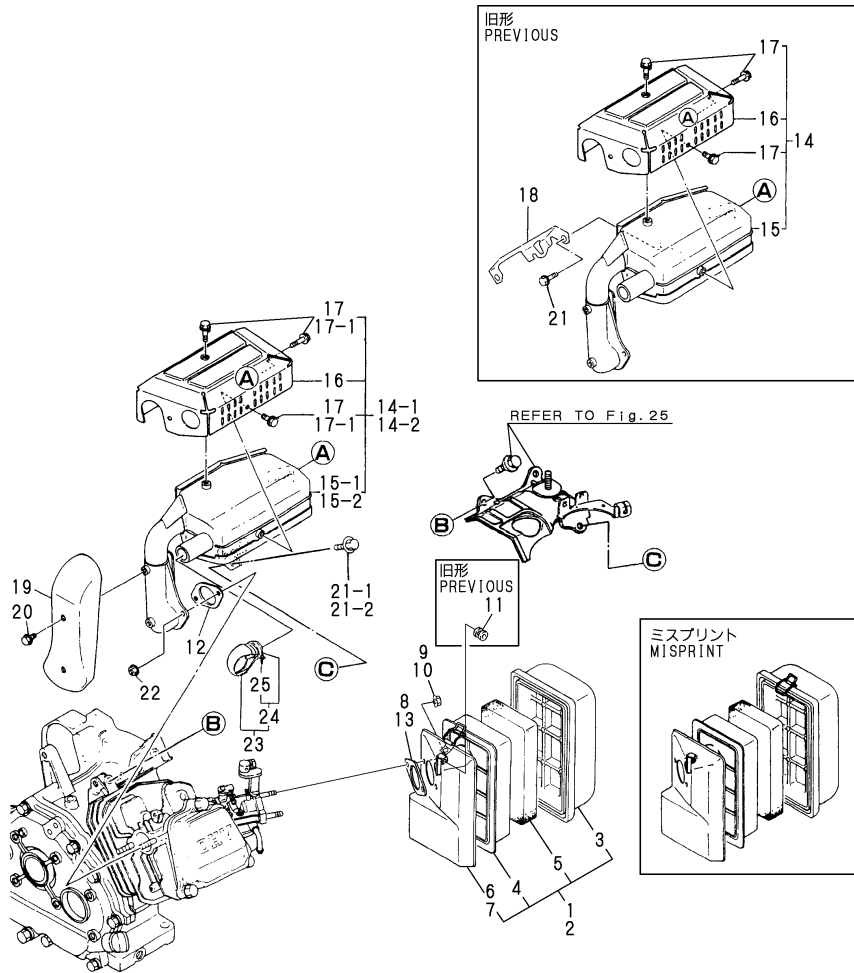
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
25-1	1	26106-060352	BOLT, M6X 35 PLATED (C=E-XXX) (D=E-XXX)			3	3	3			N
26	1	160610-03050	BREATHER ASSY			1	1	1			
27	1	160820-03180	PIPE, BREATHER			1	1	1			
28	1	120380-11350	COTTER, 7 (C=E/#67353) (D=E/#68539)			4	4	4			W
						(E=E/#11764)					

Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.3-1,11-1,13-1, 16-2,22-1 AND 28.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.4-1,12-1,14-1, 16-2,22-1 AND 28.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.16-1,17-1,18-1 AND 19-2.

Fig.21. AIR CLEANER & MUFFLER

P/C NEWS No:Y00A2163-2
PUBLISHED:2004/9

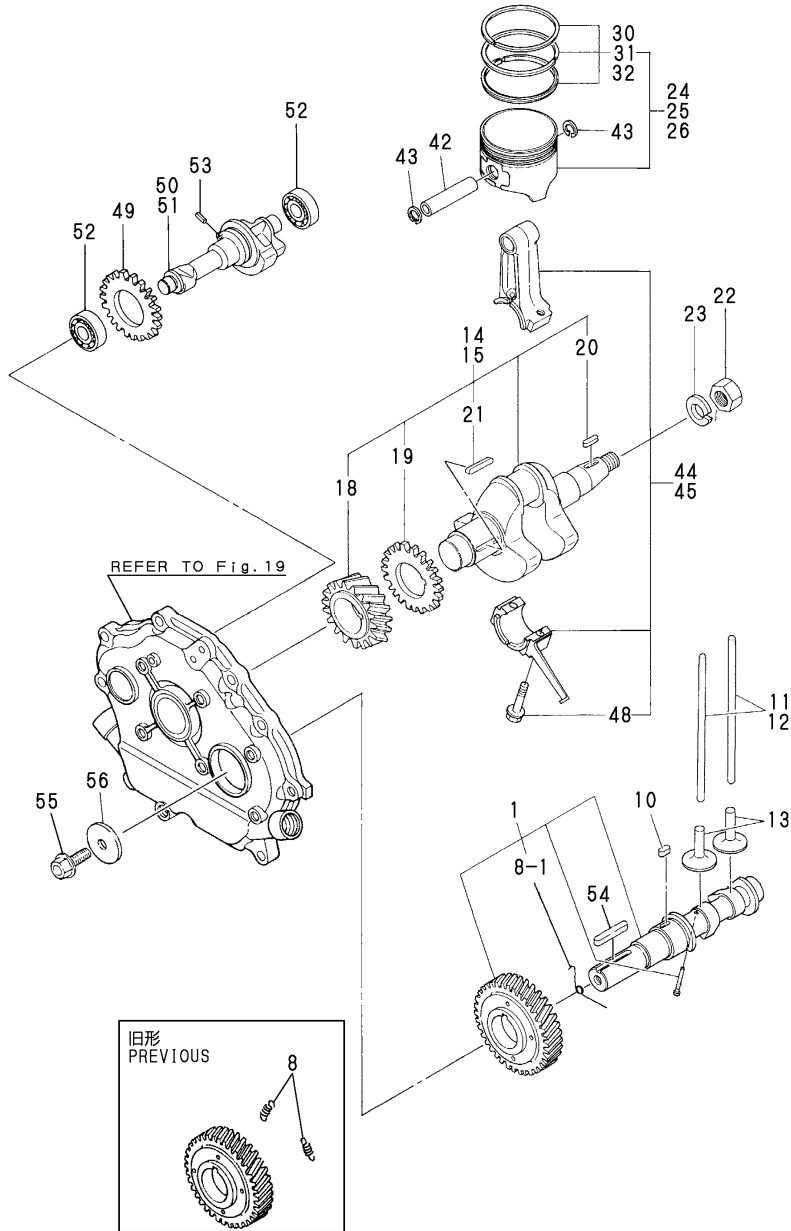


(A)=
(B)=
(C)=GA220S
(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160790-12500	CLEANER ASSY, AIR			1					
2	1	160890-12500	CLEANER ASSY, AIR				1	1	1		
3	2	160790-12510	COVER, AIR CLEANER			1	1	1			
4	2	160790-12530	HOLDER, ELEMENT			1	1	1			
5	2	160790-12540	ELEMENT			1	1	1			
6	2	160790-12520	CASE			1					
7	2	160890-12520	CASE, AIR CLEANER				1	1			
8	1	160910-56150	GASKET, CARBURETOR			1	1	1			
8-1	1	160910-56150	GASKET, CARBURETOR			1					Z
8-2	1	160910-56151	GASKET, CARBURETOR (C=E/XXX) (D=E/#52181) (E=E/#08901)				1	1			N
9	1	26366-060002	NUT, M6			2					
10	1	26366-080002	NUT, M8				2	2			
11	1	160763-12600	GROMMET			1	1	1			Z
12	1	160890-13210	GASKET, MUFFLER (C=E/XXX) (D=E/XXX) (E=E/XXX)			1	1	1			
12-1	1	160890-13211	GASKET, MUFFLER			1	1	1			N
13	1	160810-56150	GASKET, CARBURETOR (C=E/#70477) (D=E/#75909) (E=E/#12602)			1					W
13-1	1	160810-56151	GASKET, CARBURETOR (C=E/XXX) (C=E/#58982)			1					N
14	1	160890-13600	SILENCER			1	1	1			
14-1	1	160890-13601	MUFFLER ASSY (C=E/#20949) (D=E/#03042) (E=E/#02164)			1	1	1			S 1
14-2	1	160890-13602	MUFFLER ASSY (C=E/#67353) (D=E/#68539) (E=E/#11764)			1	1	1			N
14-3	1	160890-13603	MUFFLER ASSY (C=*2009.04) (D=*2009.04) (E=*2009.04)			1	1	1			N
15	2	160890-13500	SILENCER			1	1	1			
15-1	2	160890-13501	MUFFLER (C=E/#20949) (D=E/#03042) (E=E/#02164)			1	1	1			S 1
15-2	2	160890-13580	MUFFLER (C=E/#67353) (D=E/#68539) (E=E/#11764)			1	1	1			N
15-3	2	160890-13581	MUFFLER (C=*2009.04) (D=*2009.04) (E=*2009.04)			1	1	1			N
16	2	160890-13530	COVER			1	1	1			
17	2	26106-060082	BOLT, M6X 8 PLATED			4	4	4			
17-1	2	114252-13950	BOLT, M6X8 (C=E/#67353) (D=E/#68539) (E=E/#11764)			4	4	4			R
18	1	160890-13570	BRACKET, MUFFLER (C=E/#20790) (D=E/#00242) (E=E/#02164)			1	1	1			Z
19	1	160890-13660	COVER			1	1	1			
20	1	114252-13950	BOLT, M6X8			2	2	2			
21	1	26106-080142	BOLT, M8X 14 PLATED			1	1	1			
21-1	1	26476-060162	SCREW, TAPPING M6X16 (C=E/#20790) (D=E/#00242) (E=E/#02164)			1	1	1			N
21-2	1	160890-13910	BOLT, FLANGE M6X20 (C=E/#28824) (D=E/#04965) (E=E/#03231)			1	1	1			N
22	1	26366-080002	NUT, M8			2	2	2			

Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.25 NO.20-2.

Fig.22. CRANKSHAFT,PISTON & CAMSHAFT



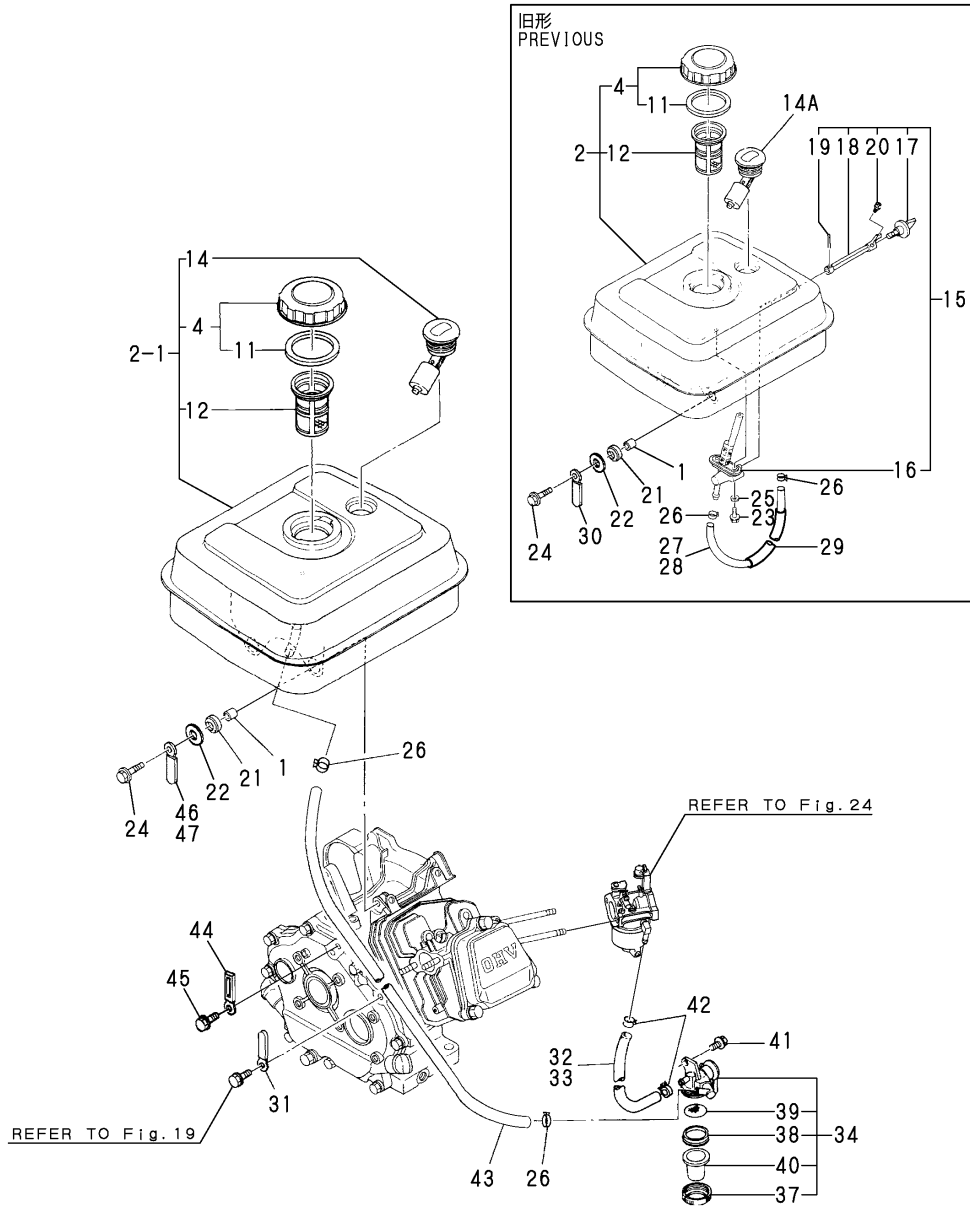
(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160890-14051	CAMSHAFT ASSY			1	1	1			
8	2	160790-14560	SPRING,DECOMPRESSION			2	2	2			
8-1	2	160890-14560	SPRING,DECOMPRESSION			1	1	1			S
			(C=E/#20790) (D=E/#00242) (E=E/#02164)								
10	1	22512-050160	KEY, 5X 16			1	1	1			
11	1	114250-14400	ROD, PUSH			2					
12	1	160890-14400	ROD, PUSH				2	2			
13	1	160890-14200	TAPPET			2	2	2			
14	1	760790-21700	CRANKSHAFT ASSY			1					
15	1	760890-21700	CRANKSHAFT ASSY				1	1			
18	2	160890-21200	GEAR, CRANKSHAFT			1	1	1			
19	2	160890-21220	GEAR, BALANCER			1	1	1			
20	2	22512-040160	KEY, 4X 16			1	1	1			
21	2	22512-040300	KEY, 4X 30			1	1	1			
22	1	26737-160002	NUT, M16			1	1	1			
23	1	22217-160000	WASHER, SPRING 16			1	1	1			
23-1	1	22137-160000	WASHER, 16			1	1	1			N
			(C=*1991.10) (D=E/#00242) (E=E/#02164)								
24	1	160790-22010	PISTON ASSY			1					
24-1	1	160790-22011	PISTON ASSY			1					R
			(C=E/#13806)								
25	1	160890-22010	PISTON ASSY				1				
25-1	1	160890-22011	PISTON ASSY				1				N
			(D=E/#09470)								
26	1	160990-22010	PISTON ASSY					1			
26-1	1	160990-22011	PISTON ASSY					1			R
			(E=E/#01591)								
30	2	760790-22500	RING SET, PISTON			1					
30-1	2	760790-22501	RING SET, PISTON			1					M
30-2	2	760790-22502	RING SET, PISTON			1					S 1
			(C=E/#13806)								
31	2	760890-22500	RING SET, PISTON				1				
32	2	760990-22500	RING SET, PISTON					1			
32-1	2	760990-22501	RING SET, PISTON					1			M
32-2	2	760990-22502	RING SET, PISTON					1			S 1
			(E=E/#01591)								
42	1	160890-22300	PIN, PISTON			1	1	1			
43	1	22252-000190	RING, 19			2	2	2			
44	1	760790-23700	ROD ASSY, CONNECTING			1					
45	1	760890-23700	ROD ASSY, CONNECTING				1	1			
48	2	160810-23201	BOLT, CONNECTING ROD			2	2	2			
49	1	160890-21220	GEAR, BALANCER			1	1	1			
50	1	160790-28010	SHAFT, BALANCER			1					
51	1	160890-28010	SHAFT, BALANCER				1	1			
52	1	160903-28020	BEARING, 6202C3E			2	2	2			
53	1	22351-040008	PIN, SPRING 4.0X 8			1	1	1			
54	1	22512-070380	KEY, 7X 38			1	1	1			
55	1	26106-080202	BOLT, M8X 20 PLATED			1	1	1			
56	1	160310-14550	WASHER			1	1	1			

Remarks
 (1)TOP RING GROOVE CHANGED
 (M)MISPRINT:REFER TO THE NEXT ITEM.

Fig.23. FUEL TANK & FUEL PIPE

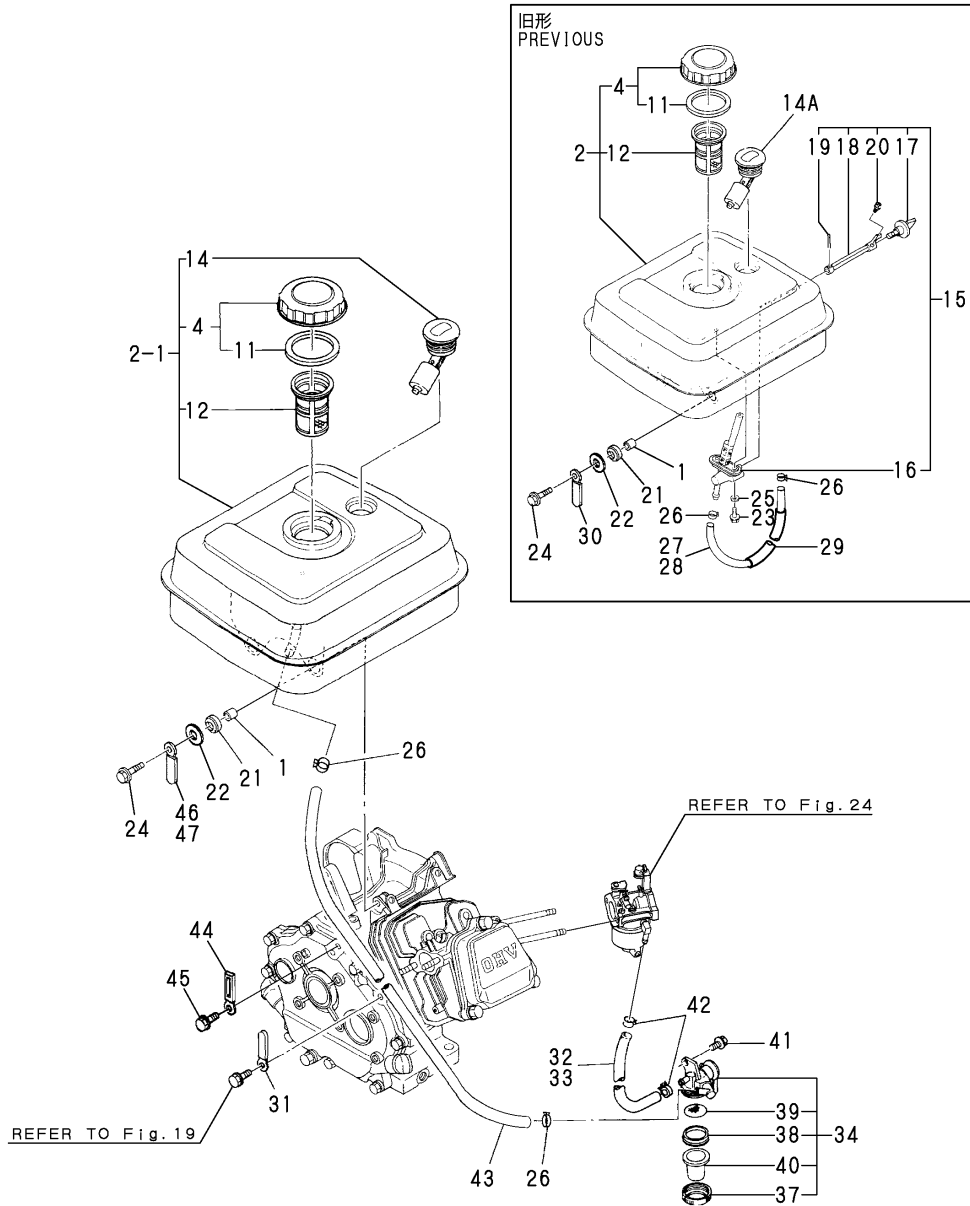
(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-45310	COLLAR				4	4	4		
2	1	760890-55700	TANK ASSY, FUEL				1	1	1		
2-1	1	760890-55730	TANK ASSY, FUEL				1	1	1		S 1
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
4	2	160710-55061	CAP ASSY				1	1	1		
11	3	160393-55050	GASKET				1	1	1		
12	2	160610-55100	FILTER, FUEL				1	1	1		
14	2	160762-55150	GAUGE, FUEL				1	1	1		
14A	1	160762-55150	GAUGE, FUEL				1	1	1		
15	1	160690-55300	COCK ASSY, FUEL				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
16	2	160690-55310	COCK ASSY, FUEL				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
17	2	160690-55320	LEVER				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
18	2	160690-55330	SHAFT				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
19	2	22417-200200	PIN, COTTER 2.0X20				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
20	2	26557-040102	SCREW, M4X10				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
21	1	160690-55460	DAMPER, FUEL TANK				4	4	4		
21-1	1	160690-55461	DAMPER, FUEL TANK				4	4	4		N
			(C=E/#46018) (D=E/#26353) (E=E/#07250)								
21-2	1	160690-55462	DAMPER, FUEL TANK				4	4	4		R
			(C=E/#68565) (D=E/#73765) (E=E/#11764)								
22	1	160610-55470	WASHER				4	4	4		Z
			(C=E/#37837) (D=E/#11779) (E=E/#07250)								
23	1	26106-060142	BOLT, M6X 14 PLATED				2	2	2		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
24	1	26476-060252	SCREW, TAPPING M6X25				4	4	4		
24-1	1	114370-45350	BOLT				4	4	4		N
			(C=E/#37837) (D=E/#11779) (E=E/#07250)								
24-2	1	160690-55140	BOLT				4	4	4		R
			(C=E/#54160) (D=E/#52181) (E=E/#08003)								
25	1	43400-500400	SEAL WASHER 6				2	2	2		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
26	1	106990-44660	CLIP, HOSE 12.5				2	2	2		
27	1	160790-59360	HOSE, FUEL A-535				1				Z
			(C=*1993.02)								
28	1	160890-59360	PIPE, FUEL					1	1		Z
			(D=*1993.02) (E=*1993.02)								
29	1	160792-59400	TUBE, PROTECT				1	1	1		Z
			(C=E/XXX) (D=E/XXX) (E=E/XXX)								
30	1	160802-78270	CLAMP, CORD				1	1	1		Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
31	1	160820-78710	CLAMP, CORD				1	1	1		
32	1	160792-59360	PIPE, FUEL				1	1			W
			(C=*1993.02) (D=*1993.02)								
32-1	1	160792-59361	HOSE, FUEL B-180				1	1			N
			(C=E/#64490) (D=E/#62235)								

Remarks
 (1)OUTLET PIPE UNIFIED
 (2)INTERCHANGEABILITY IS <S> WITH NO.15.

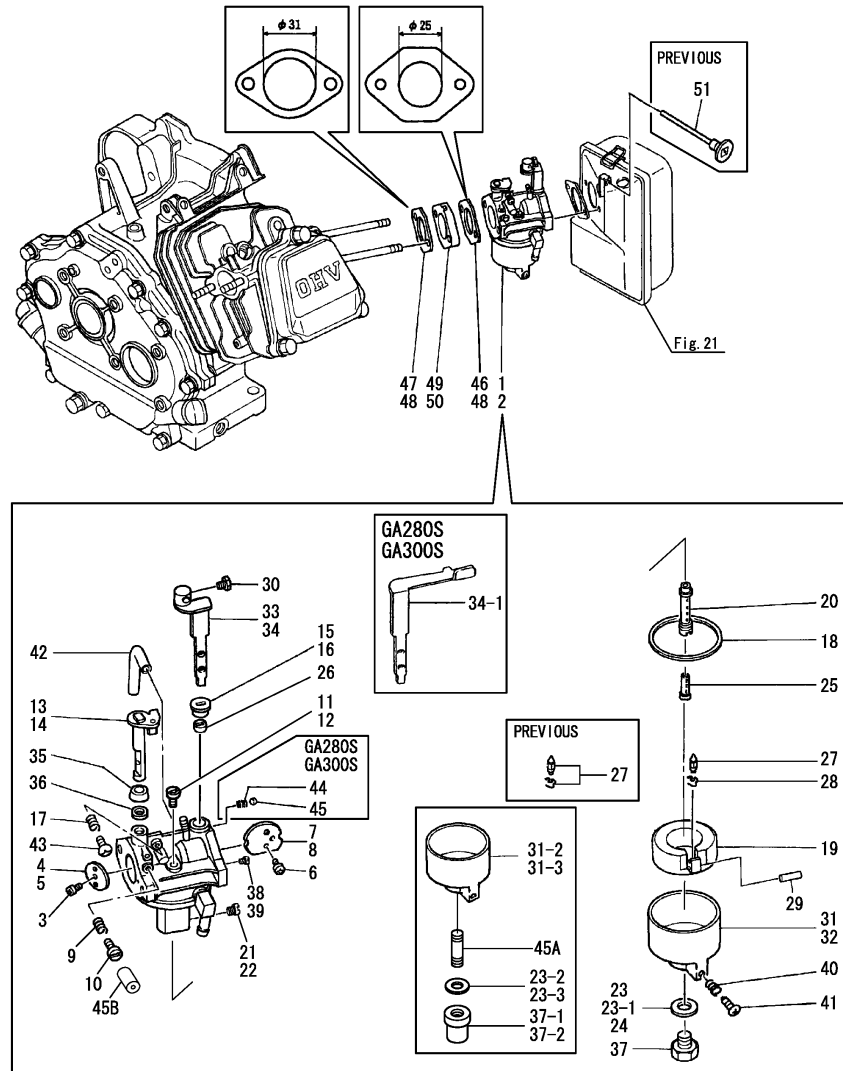
Fig.23. FUEL TANK & FUEL PIPE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
33	1	160769-59370	PIPE, FUEL L=203						1		W
				(E=*1993.02)							
33-1	1	160769-59371	PIPE, FUEL L=203						1		N
				(E=E/#10416)							
34	1	160692-55330	COCK ASSY, FUEL (C=*1993.02) (D=*1993.02)			1	1	1			W 2
				(E=*1993.02)							
37	2	160710-55360	RING (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
38	2	160710-55370	GASKET (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
39	2	160710-55382	FILTER (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
40	2	160998-55390	BOWL, STRAINER (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
41	1	26106-060102	BOLT, M6X 10 PLATED (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
42	1	124060-77680	CLIP, HOSE 10 (C=*1993.02) (D=*1993.02)			2	2	2			W
				(E=*1993.02)							
42-1	1	119520-03990	CLIP, HOSE 10.5 (C=E/#67808) (D=E/#73765)			2	2	2			R
				(E=E/#11764)							
43	1	160920-59350	PIPE, FUEL (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							
43-1	1	160920-59351	HOSE, FUEL A-510 (C=E/#64490) (D=E/#62235)			1	1	1			N
				(E=E/#10416)							
44	1	160260-78700	CLAMP (E=*1993.02)						1		W
				(E=*1993.02)							
45	1	26106-060082	BOLT, M6X 8 PLATED (E=*1993.02)						1		W
				(E=*1993.02)							
46	1	160802-78270	CLAMP, CORD (E=*1993.02)						1		W
				(E=*1993.02)							
47	1	160710-78710	CLAMP, CORD (C=*1993.02) (D=*1993.02)			1	1	1			W
				(E=*1993.02)							

Remarks
 (1)OUTLET PIPE UNIFIED
 (2)INTERCHANGEABILITY IS <S> WITH NO.15.

Fig.24. CARBURETOR

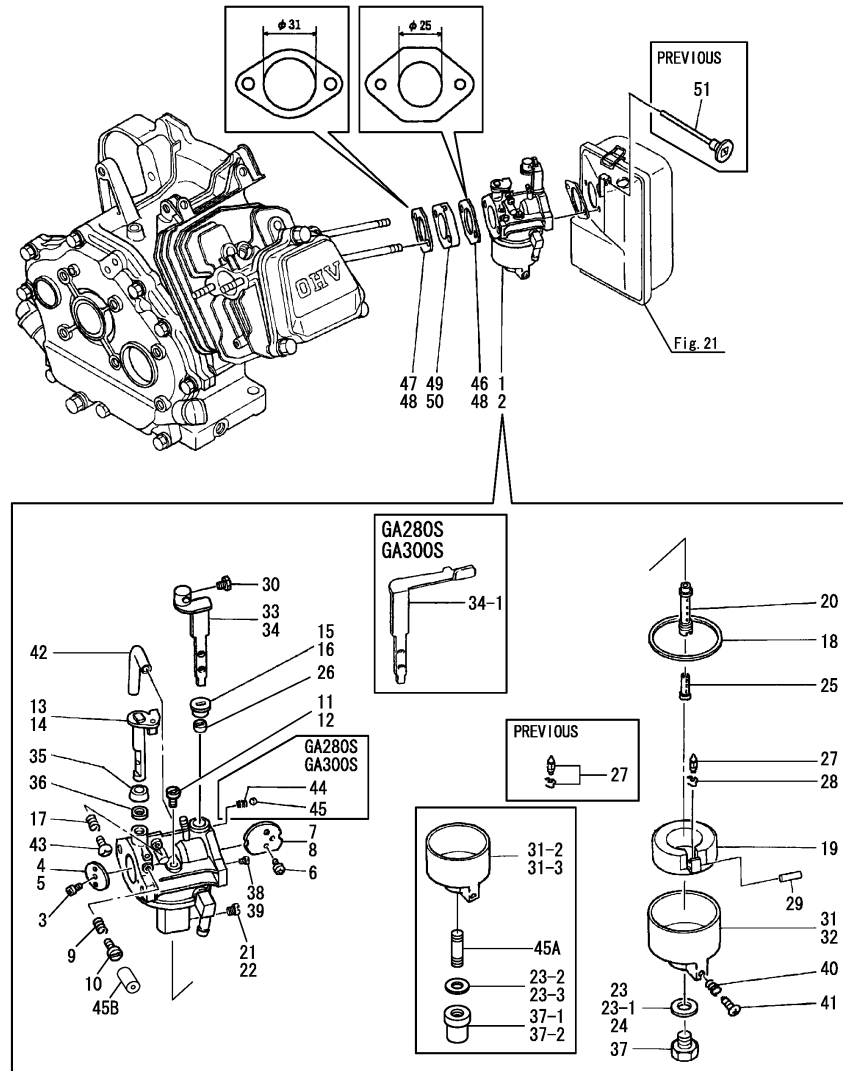


(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160790-56010	CARBURETOR ASSY				1				
1-1	1	160790-56030	CARBURETOR ASSY (C=EXXXXX)				1				S 1
1-2	1	160790-57010	CARBURETOR ASSY (C=EXXXXX)				1				N
1-3	1	160790-57011	CARBURETOR ASSY (C=EXXXXX)				1				N
2	1	160890-56010	CARBURETOR ASSY					1	1		
2-1	1	160890-56020	CARBURETOR ASSY					1	1		N
2-2	1	160890-56040	CARBURETOR ASSY (D=EXXX) (E=EXXX)					1	1		S 1
3	2	160120-56670	SCREW (D=EXXXXX) (E=EXXXXX)				2	2	2		
3-1	2	160690-56560	SCREW (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)				2	2	2		S
4	2	160880-56761	VALVE, THROTTLE				1				
5	2	160992-56520	VALVE, THROTTLE					1	1		
6	2	160903-56670	SCREW				2	2	2		
6-1	2	160690-56570	SCREW (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)				2	2	2		S
7	2	160792-56520	VALVE, CHOKE				1				
8	2	160992-56530	VALVE, CHOKE					1	1		
9	2	181230-56380	SPRING				1	1	1		
10	2	160667-56750	ADJUSTER				1	1	1		
10-1	2	160691-56790	ADJUSTER (C=EXXXXX)				1				N
11	2	160460-56940	JET, PILOT				1				
11-1	2	160610-56740	JET, PILOT (C=EXXXXX)				1				S
11-2	2	160792-57740	JET, PILOT (C=EXXXXX)				1				S
12	2	160880-56740	JET, PILOT					1	1		
12-1	2	160692-56540	JET, PILOT (D=EXXXXX) (E=EXXXXX)					1	1		S
13	2	160792-56530	SHAFT, THROTTLE				1				
14	2	160992-56550	SHAFT, THROTTLE					1	1		
15	2	160792-56540	RING				1				
16	2	160810-56590	RING, CHOKE LEVER					1	1	1	
17	2	181230-56380	SPRING				1	1	1		
18	2	160210-56610	WASHER				1	1	1		
19	2	160810-56620	FLOAT ASSY				1	1	1		
19-1	2	160890-56620	FLOAT ASSY (C=EXXXXX) (D=EXXXXX) (E=EZZZZZ)				1	1	1		S
20	2	160790-56550	NOZZLE, MAIN				1	1	1		
20-1	2	160998-56550	NOZZLE, MAIN (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)				1	1	1		S
20-2	2	160792-57730	NOZZLE, MAIN (C=EXXXXX)				1				S
21	2	160790-56560	JET, ENRICHMENT				1				
21-1	2	160793-56581	JET, ENRICHMENT (C=EXXXXX)				1				S

Remarks
 (1)LOCATION OF FUEL COCK CHANGED.
 (2)REPAIR PART.

Fig.24. CARBURETOR

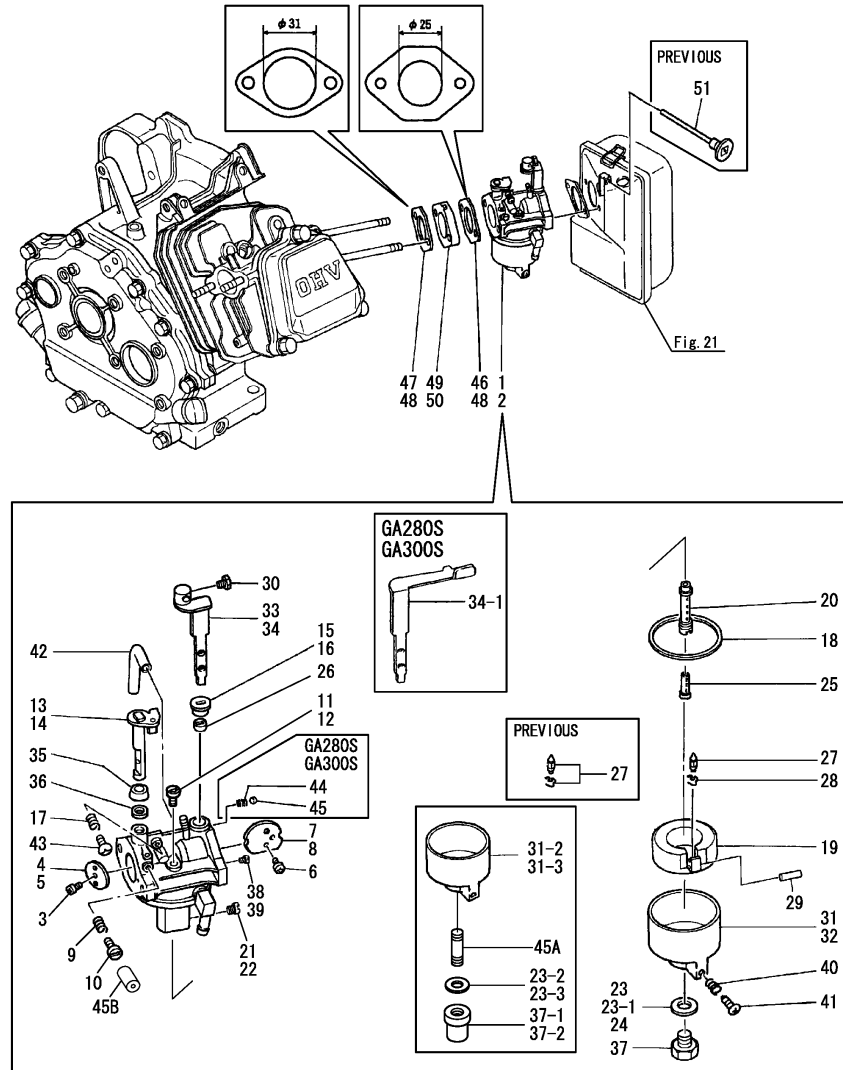


(A)=
(B)=
(C)=GA220S
(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
21-2	2	160792-57720	JET, MAIN (C=EXXXXX)			1					S
22	2	160792-56570	JET, ENRICHMENT				1	1			
22-1	2	160792-56571	JET, MAIN (D=EXXXXX) (E=EXXXXX)				1	1			S
23	2	160120-56721	GASKET			1					
23-1	2	160210-56610	WASHER (C=EXXXXX)			1					S
23-2	2	160691-56740	WASHER (C=EXXXXX)			1					S
23-3	2	160691-56740	WASHER (C=EXXXXX)			1					Z
24	2	160910-56550	WASHER				1	1			
24-1	2	160120-56600	GASKET (D=EXXXXX) (E=EXXXXX)				1	1			S
25	2	160790-56570	NOZZLE			1	1	1			
25-1	2	160790-56571	NOZZLE (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)			1	1	1			S
26	2	160810-56580	RING, CHOKE SHAFT			1	1	1			
27	2	160792-56670	VALVE ASSY, NEEDLE			1	1	1			2
27-1	2	160890-56790	VALVE, INJECTION (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)			1	1	1			S 2
28	2	160790-56540	CLIP			1	1	1			
28-1	2	160692-56750	CLIP (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)			1	1	1			S
29	2	160610-56630	PIN, FLOAT (C=EXXXXX) (D=EXXXXX) (E=EXXXXX)			1	1	1			
29-1	2	160690-56630	PIN, FLOAT			1	1	1			S
30	2	26117-040088	BOLT M 4X 8 PLATED (D=EXXXXX) (E=EXXXXX)			1	1	1			
30-1	2	26117-040088	BOLT M 4X 8 PLATED (D=EXXXXX) (E=EXXXXX)				1	1			Z
30-2	2	160692-56500	BOLT (C=EXXXXX)			1					S
31	2	160790-56590	BODY, FLOAT			1					
31-1	2	160890-56430	BODY, FLOAT (C=EXXXXX)			1					S
31-2	2	160792-57710	BODY, FLOAT (C=EXXXXX)			1					S
31-3	2	160792-57790	BODY, FLOAT (C=EXXXXX)			1					S
32	2	160890-56430	BODY, FLOAT				1	1			
33	2	160790-56600	LEVER, CHOKE			1					
34	2	160890-56520	LEVER, CHOKE				1	1			
34-1	2	160998-56602	LEVER, CHOKE (D=EXXXXX) (E=EXXXXX)				1	1			S
35	2	160702-56720	RING			1	1	1			
36	2	160640-56850	SEAL			1	1	1			
37	2	160790-56610	BOLT			1	1	1			
37-1	2	160691-56730	NUT (C=EXXXXX)			1					S
37-2	2	160593-57540	NUT			1					S

Remarks
(1)LOCATION OF FUEL COCK CHANGED.
(2)REPAIR PART.

Fig.24. CARBURETOR



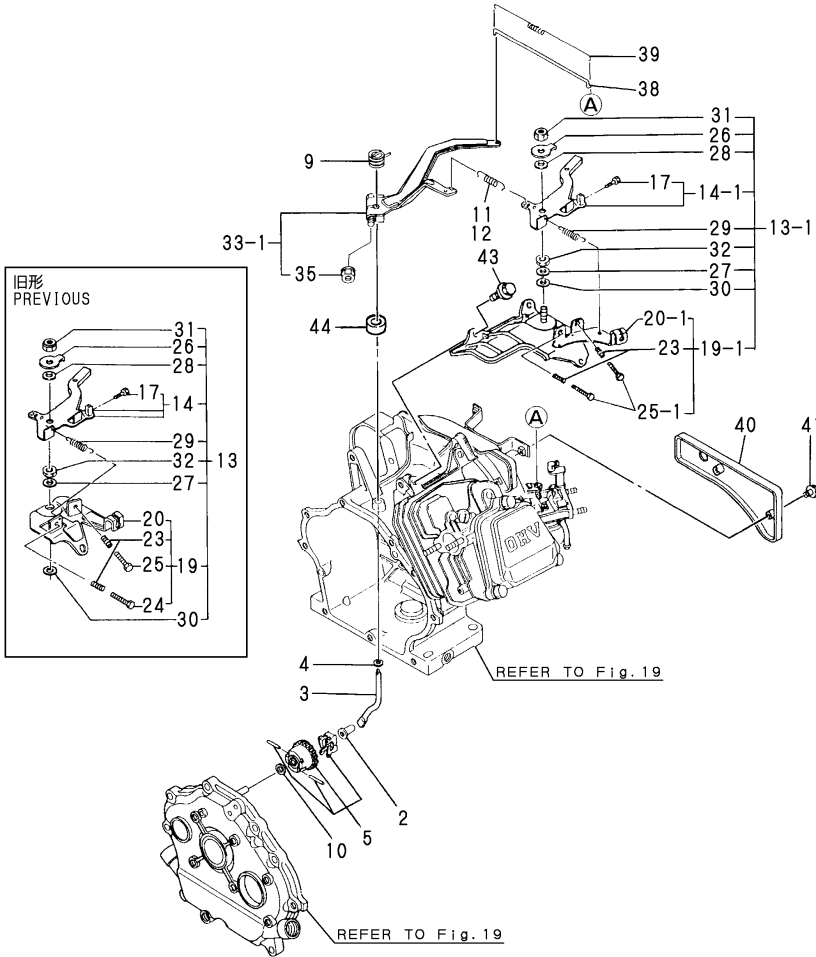
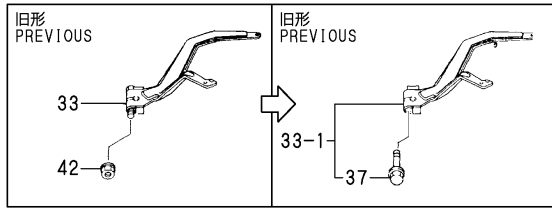
(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
			(C=EXXXXX)								
38	2	160792-56610	JET, PILOT			1					
38-1	2	160992-56540	JET, MAIN			1					S
			(C=EXXXXX)								
38-2	2	160798-56610	JET			1					S
			(C=EXXXXX)								
39	2	160890-56610	JET, PILOT				1	1			
40	2	181230-56380	SPRING			1	1	1			
41	2	160610-56900	SCREW			1	1	1			
42	2	160692-56770	HOSE			1					
43	2	160692-56710	SCREW			1	1	1			
44	2	160310-56980	SPRING, CHOKE				1	1			
45	2	160310-56990	BALL, STEEL				1	1			
45A	2	160792-57700	STUD			1					W
			(C=EXXXXX)								
45B	2	160691-56800	CAP			1					W
			(C=EXXXXX)								
46	1	160790-56150	GASKET, CARBURETOR			1					
46-1	1	160790-56151	GASKET, CARBURETOR			1					N
			(C=E/#58982)								
47	1	160810-56150	GASKET, CARBURETOR			1					
47-1	1	160810-56151	GASKET, CARBURETOR			1					N
			(C=E/#58982)								
48	1	160910-56150	GASKET, CARBURETOR				2	2			
48-1	1	160910-56151	GASKET, CARBURETOR				2	2			N
			(D=E/#52181) (E=E/#08901)								
49	1	160790-56160	INSULATOR			1					
50	1	160890-56160	INSULATOR				1	1			
51	1	160692-56900	ROD, CHOKE			1	1	1			Z
			(C=E/#09924) (D=E/#00242) (E=E/#01395)								

Remarks
 (1)LOCATION OF FUEL COCK CHANGED.
 (2)REPAIR PART.

Fig.25. GOVERNOR & CONTROL DEVICE

(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

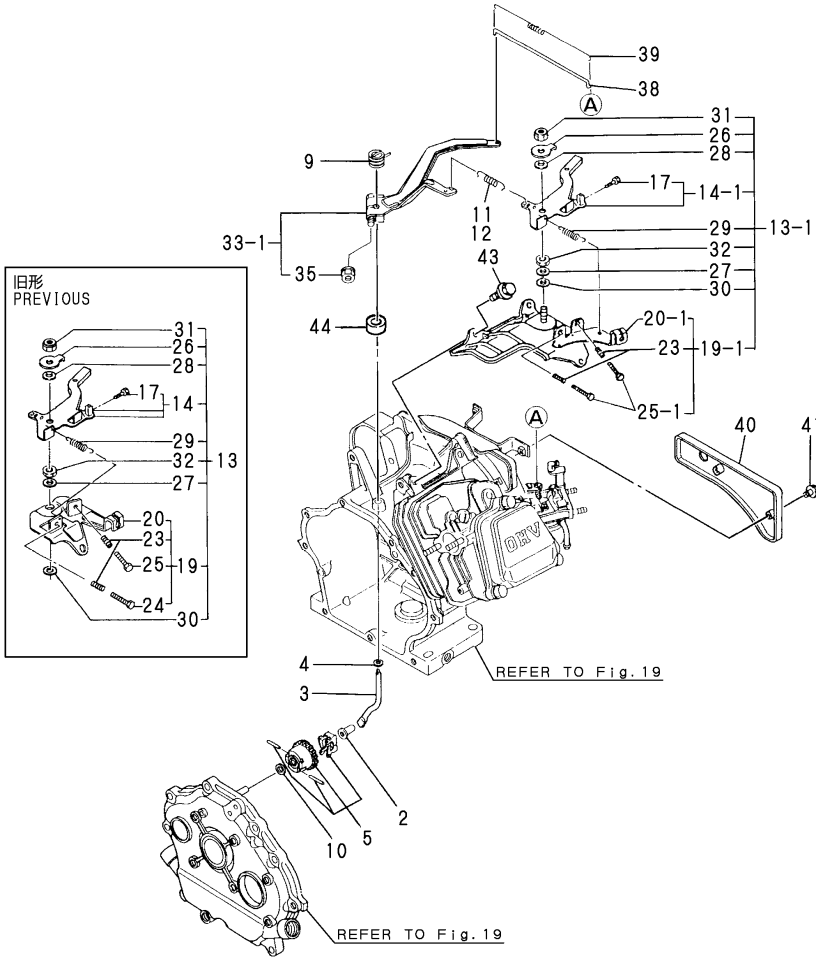
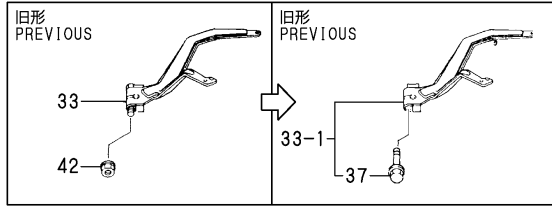


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160690-61300	SPINDLE			1	1	1			
2-1	1	160690-61301	SPINDLE			1	1	1			R
			(C=E/#41150) (D=E/#15937) (E=E/#07250)								
3	1	160690-61310	SHAFT			1	1	1			
3-1	1	160690-61311	SHAFT			1	1	1			R
			(C=E/#46018) (D=E/#26353) (E=E/#07250)								
4	1	160690-61450	WASHER			1	1	1			
5	1	160690-61600	GEAR ASSY, GOVERNOR			1	1	1			
9	1	160890-66050	SPRING, RETURN			1	1	1			
10	1	160120-76940	WASHER			1	1	1			
11	1	160790-66010	SPRING, GOVERNOR			1					
12	1	160890-66010	SPRING, GOVERNOR					1	1		
13	1	160890-66100	CONTROLLER ASSY			1	1	1			
13-1	1	160890-66101	CONTROLLER ASSY			1	1	1			R
			(C=E/#10856) (D=E/#00242) (E=E/#01410)								
14	2	160890-66080	LEVER ASSY, CONTROL			1	1	1			
14-1	2	160890-66081	LEVER ASSY, CONTROL			1	1	1			R
			(C=E/#10856) (D=E/#00242) (E=E/#01410)								
17	3	26117-040088	BOLT M 4X 8 PLATED			1	1	1			
19	2	160690-66110	BASE ASSY			1	1	1			
19-1	2	160890-66110	BASE ASSY			1	1	1			R
			(C=E/#09427) (D=E/#00242) (E=E/#01403)								
20	3	160690-66120	BASE, CONTROL			1	1	1			
20-1	3	160890-66140	BASE ASSY			1	1	1			N
			(C=E/#09427) (D=E/#00242) (E=E/#01403)								
20-2	3	160890-66141	BASE ASSY			1	1	1			S 2
			(C=E/#20949) (D=E/#03042) (E=E/#02164)								
20-3	3	160890-66142	BASE ASSY			1	1	1			N
			(C=*1993.01) (D=*1993.01) (E=*1993.01)								
23	3	160520-66291	SPRING			2	2	2			
24	3	160910-66440	BOLT, ADJUSTER			1	1	1			Z
			(C=E/#09427) (D=E/#00242) (E=E/#01403)								
25	3	26117-040257	BOLT, M4X 25 PLATED			1	1	1			
25-1	3	26117-040257	BOLT, M4X 25 PLATED			2	2	2			K
			(C=E/#09427) (D=E/#00242) (E=E/#01403)								
26	2	160690-66160	WASHER			1	1	1			
27	2	160664-66170	WASHER			1	1	1			
28	2	160664-66180	SPRING			1	1	1			
29	2	160664-66220	SPRING, RETURN			1	1	1			
30	2	22137-060000	WASHER, 6			1	1	1			
31	2	26347-060002	NUT, M6			1	1	1			
32	2	26757-060002	NUT, LOCK M6			1	1	1			
33	1	160890-66150	LEVER, GOVERNOR			1	1	1			
33-1	1	160890-66190	LEVER ASSY, GOVERNOR			1	1	1			R
			(C=E/#09924) (D=E/#00242) (E=E/#01403)								
35	2	26366-060002	NUT, M6			1	1	1			W
			(C=E/#38489) (D=E/#14507) (E=E/#07250)								
37	2	26106-060252	BOLT, M6X 25 PLATED			1	1	1			W
			(C=E/#09924) (D=E/#00242) (E=E/#01403)								
37-1	2	26106-060252	BOLT, M6X 25 PLATED			1	1	1			Z
			(C=E/#38489) (D=E/#14507) (E=E/#07250)								

Remarks
 (1)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.21 NO.15-1.

Fig.25. GOVERNOR & CONTROL DEVICE

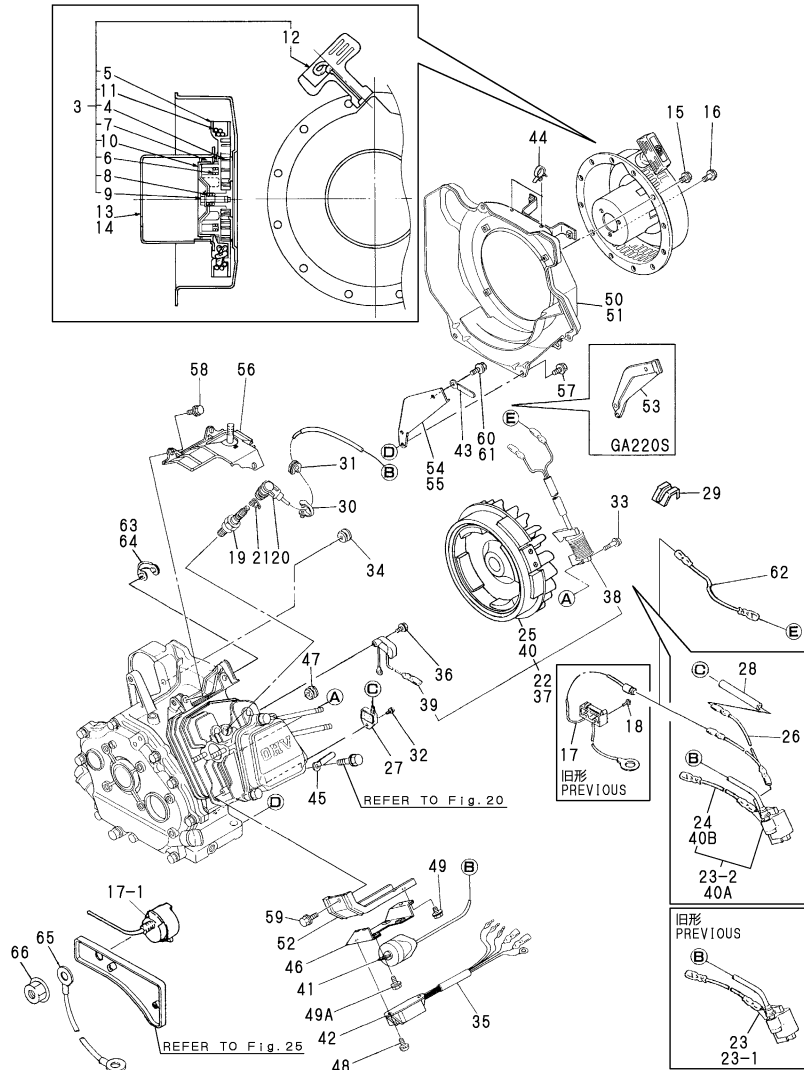
(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38	1	160690-66200	LINK, THROTTLE			1	1	1			
39	1	160690-66210	SPRING, TENSION			1	1	1			
40	1	160890-66300	PANEL			1	1	1			
40-1	1	160890-66310	PANEL (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1	S	1	
41	1	26106-060102	BOLT, M6X 10 PLATED			2	2	2			
41-1	1	26106-060162	BOLT, M6X 16 PLATED (C=E/XXX) (D=E/XXX) (E=E/XXX)			2	2	2		N	
42	1	26366-060002	NUT, M6 (C=E/#09924) (D=E/#00242) (E=E/#01403)			1	1	1		Z	
43	1	26476-060142	SCREW, TAPPING M6X14 (C=E/#09427) (D=E/#00242) (E=E/#01403)			3	3	3		W	
44	1	114770-61600	SEAL, OIL (C=E/#23961) (D=E/#03536) (E=E/#02164)			1	1	1		W	

Remarks
 (1)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.21 NO.15-1.

Fig.26. FLY.MAGNETO & STARTING DEVICE



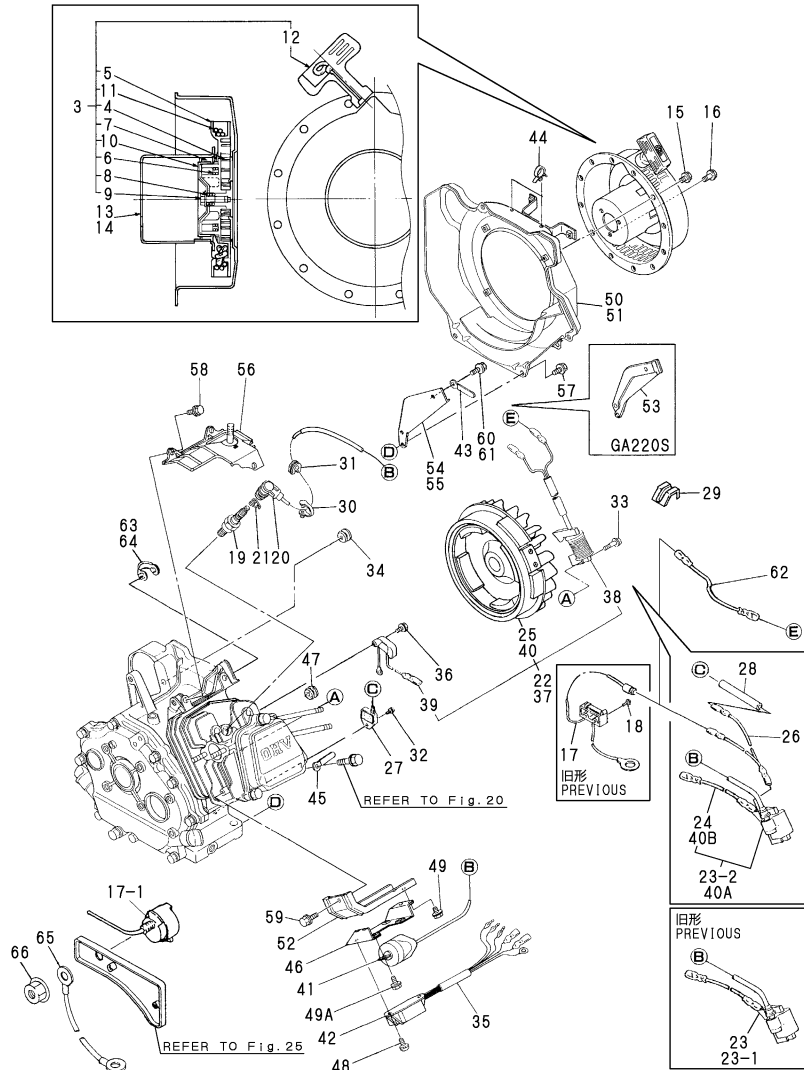
Remarks

- (1)LEAD SWITCH TYPE -> ROTARY TYPE
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.37-1 AND 42-1, OR NO.40-1 AND 42-1.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.46-1 AND 49-1.
- (4)FUEL COCK STAY ADDED
- (5)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.

(A)=
(B)=
(C)=GA220S
(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	160890-76250	STARTER ASSY, RECOIL			1	1	1			
4	2	160890-76510	SPRING, SPIRAL			1	1	1			
5	2	160890-76520	REEL			1	1	1			
6	2	160890-76530	SPRING, DOG			2	2	2			
7	2	160890-76540	DOG			2	2	2			
8	2	160890-76550	SPRING, BRAKE			1	1	1			
9	2	160641-76570	SCREW			1	1	1			
10	2	160890-76570	RETAINER			1	1	1			
11	2	160890-76580	ROPE, STARTER			1	1	1			
12	2	160260-76620	KNOB, STARTER			1	1	1			
13	1	160790-76590	PULLEY, STARTER			1					
14	1	160890-76590	PULLEY, STARTER				1	1			
15	1	26106-060082	BOLT, M6X 8 PLATED			4	4	4			
16	1	26106-060122	BOLT, M6X 12 PLATED			3	3	3			
17	1	160690-77250	SWITCH, STOP			1	1	1			
17-1	1	160611-77250	SWITCH, STOP			1	1	1		S 1	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
18	1	22857-200100	SCREW, 2X10			2	2	2		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
19	1	160690-78010	PLUG, SPARK BP6ES			1	1	1			
19-1	1	160690-78020	PLUG, SPARK			1	1	1		N	
			(C=E/#27618) (D=E/#03644) (E=E/#02164)								
19-2	1	160690-78030	PLUG, SPARK N11YC			1	1	1		N	
			(C=E/XXX) (D=E/XXX) (E=E/XXX)								
20	1	160700-78040	CAP, PLUG			1	1	1			
21	1	160700-78050	TERMINAL, PLUG			1	1	1			
22	1	160790-78060	MAGNETIC ASSY			1					
22-1	1	160790-78061	MAGNETIC ASSY			1				N	
			(C=E/#17743)								
23	2	160790-78510	COIL, IGNITION			1					
23-1	2	160790-78511	COIL, IGNITION			1				N	
			(C=E/#09924)								
23-2	2	160790-78512	COIL, IGNITION			1				N	
			(C=E/#17743)								
24	3	160690-78230	WIRE			1				W	
			(C=E/#17743)								
25	2	160790-78540	ROTOR			1					
26	1	160690-78210	WIRE, LEAD			1				Z	
			(C=E/#17743)								
27	1	160690-78650	TRANSISTOR			1				Z	
			(C=E/#17743)								
28	1	160690-78660	TUBE, PROTECT			1				Z	
			(C=E/#17743)								
29	1	160560-78700	CLAMP			1	1	1		Z	
			(C=E/XXX) (D=E/XXX) (E=E/XXX)								
30	1	160690-78700	CLAMP, CORD			1	1	1			
30-1	1	29610-000950	CLAMP, SPEED 095			1	1	1		N	
			(C=E/#17252) (D=E/#00242) (E=E/#01976)								
31	1	160700-78720	GROMMET			1	1	1			
32	1	26023-040102	SCREW, M4X10			1				Z	
			(C=E/#17743)								

Fig.26. FLY.MAGNETO & STARTING DEVICE



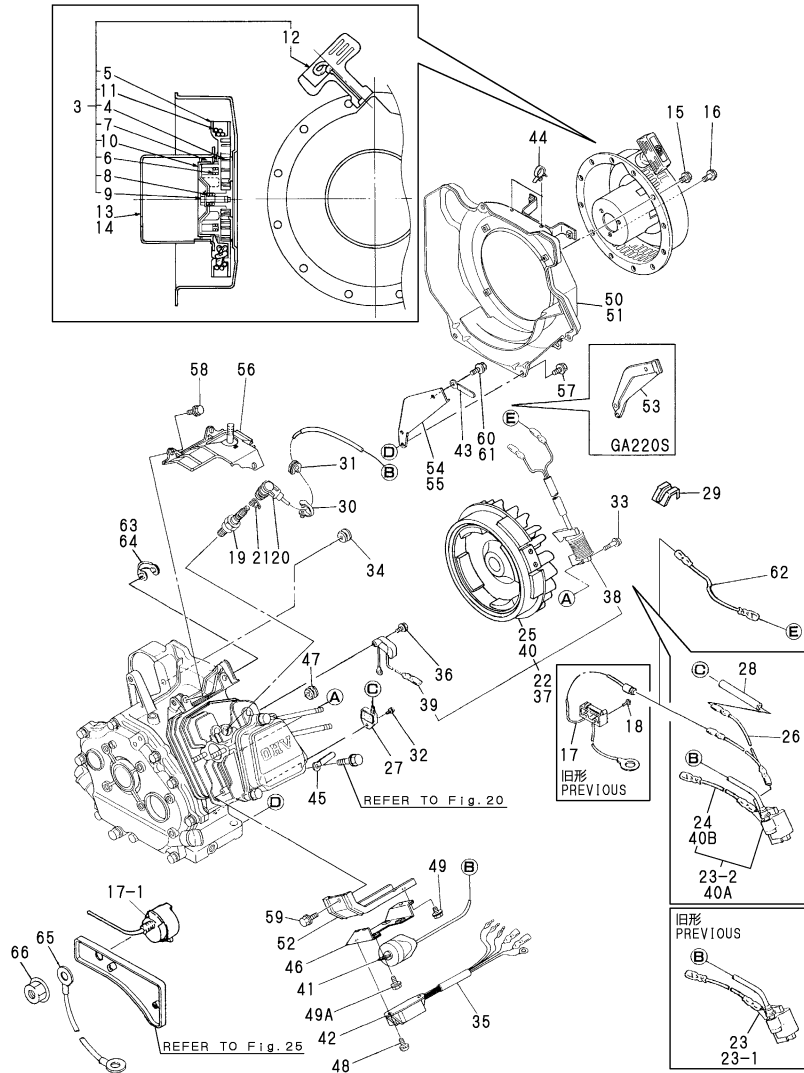
Remarks

- (1) LEAD SWITCH TYPE -> ROTARY TYPE
- (2) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.37-1 AND 42-1, OR NO.40-1 AND 42-1.
- (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.46-1 AND 49-1.
- (4) FUEL COCK STAY ADDED
- (5) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.

(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
33	1	26476-060252	SCREW, TAPPING M6X25				2	2	2		
33-1	1	160690-04350	BOLT, M6X30 (C=E/#71002) (D=E/#75911) (E=E/#12604)				2	2	2		R
34	1	160341-01950	PIPE (D=E/#53913) (E=E/#09205)				1	1			Z
35	1	160810-03400	TUBE, PROTECT (D=E/#62833) (E=E/#10771)				1	1			Z
36	1	160610-04280	SCREW, RS5X10 (D=E/#00242) (E=E/#02045)				2	2			Z
37	1	160890-78060	MAGNETIC ASSY				1	1			
37-1	1	160890-78070	MAGNETIC ASSY (D=E/#00242) (E=E/#01494)				1	1			S 2
37-2	1	160890-78010	MAGNETIC ASSY (D=E/#62833) (E=E/#10771)				1	1			F 5
38	2	160890-78520	COIL, EXCITER (D=E/#62833) (E=E/#10771)				1	1			Z
39	2	160890-78530	COIL, PULSAR (D=E/#00242) (E=E/#01494)				1	1			Z
40	2	160890-78540	ROTOR				1	1			
40-1	2	160890-78550	ROTOR (D=E/#00242) (E=E/#01494)				1	1			S 2
40-2	2	160890-78560	ROTOR (D=E/#62833) (E=E/#10771)				1	1			S
40A	2	160791-78522	COIL, IGNITION (D=E/#62833) (E=E/#10771)				1	1			W
40B	3	160690-78230	WIRE (D=E/#62833) (E=E/#10771)				1	1			W
41	1	160890-78510	COIL, IGNITION (D=E/#62833) (E=E/#10771)				1	1			Z
42	1	160890-78650	IGNITION, UNIT				1	1			
42-1	1	160890-78660	IGNITION, UNIT (D=E/#00242) (E=E/#01494)				1	1			S 2
42-2	1	160890-78660	IGNITION, UNIT (D=E/#62833) (E=E/#10771)				1	1			Z
43	1	160260-78700	CLAMP (D=E/#62833) (E=E/#10771)				1	1			Z
44	1	160710-78700	CLAMP, CORD (D=E/#62833) (E=E/#10771)				2	2			Z
45	1	160710-78710	CLAMP, CORD (D=E/#62833) (E=E/#10771)				1	1			Z
46	1	160890-78750	BRACKET, COIL				1	1			
46-1	1	160890-78751	BRACKET, COIL (D=E/#03042) (E=E/#02164)				1	1			S 3
46-2	1	160890-78751	BRACKET, COIL (D=E/#62833) (E=E/#10771)				1	1			Z
47	1	160890-78900	GROMMET				1	1			
47-1	1	160763-12600	GROMMET (D=E/XXX) (E=E/XXX)				1	1			N
48	1	26023-060162	SCREW, M6X16 (D=E/#62833) (E=E/#10771)				2	2			Z
49	1	26106-060102	BOLT, M6X 10 PLATED				2	2			Z

Fig.26. FLY.MAGNETO & STARTING DEVICE



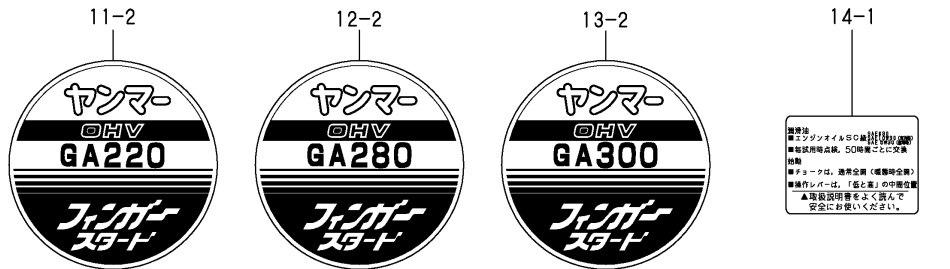
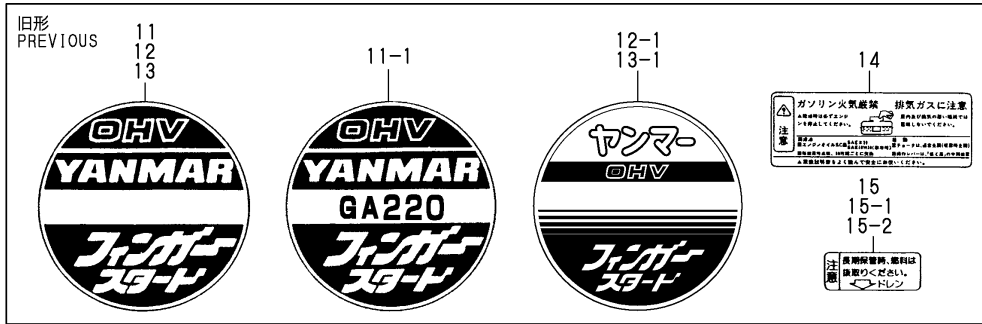
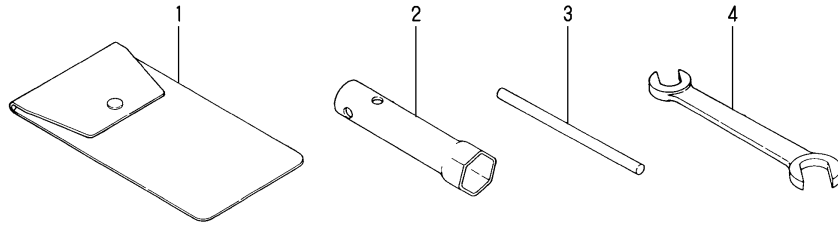
Remarks

- (1) LEAD SWITCH TYPE -> ROTARY TYPE
- (2) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.37-1 AND 42-1, OR NO.40-1 AND 42-1.
- (3) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.46-1 AND 49-1.
- (4) FUEL COCK STAY ADDED
- (5) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.

(A)= (D)=GA280S
 (B)= (E)=GA300S
 (C)=GA220S (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
49A	1	26106-060162	BOLT, M6X 16 PLATED (D=E/#62833)	(E=E/#10771)			2	2		Z	
50	1	160790-45120	CASE, COOLING FAN (D=E/#62833)	(E=E/#10771)			1				
50-1	1	160798-45130	CASE, COOLING FAN (C=*1993.02)				1			S 4	
51	1	160890-45120	CASE, COOLING FAN				1	1			
51-1	1	160891-45120	CASE, COOLING FAN (D=*1993.02)	(E=*1993.02)			1	1		S 4	
51-2	1	160891-45121	CASE, COOLING FAN (D=E/#52181)	(E=E/#08337)			1	1		R	
52	1	160890-45200	COVER, HEAD				1	1	1		
52-1	1	160890-45230	COVER, HEAD (D=E/#00242)	(E=E/#02164)			1	1		S 3	
52-2	1	160890-45200	COVER, HEAD (D=E/#62833)	(E=E/#10771)			1	1		S	
53	1	160790-45210	COVER (C=E/#41912)				1			Z	
54	1	160890-45210	COVER (D=E/#52181)	(E=E/#08901)			1	1		Z	
55	1	160890-45240	COVER (D=E/#73765)				1			W	
56	1	160890-45220	COVER, HEAD (C=E/#09427)	(D=E/#00242)	(E=E/#01394)		1	1	1	Z	
57	1	26476-060142	SCREW, TAPPING M6X14 (C=E/#09427)	(D=E/#00242)	(E=E/#01394)		4	4	4	Z	
58	1	26476-060142	SCREW, TAPPING M6X14 (C=E/#58696)	(D=E/#52181)	(E=E/#08901)		2	2	2	Z	
59	1	26476-060142	SCREW, TAPPING M6X14 (D=E/#73765)				1	1	1	Z	
60	1	26476-060142	SCREW, TAPPING M6X14 (D=E/#73765)				1	1	1	W	
61	1	26476-060142	SCREW, TAPPING M6X14 (D=E/#73765)				1	1	1	W	
62	1	160520-78200	WIRE, LEAD (D=E/XXX)	(E=E/XXX)			1	1		S	
62-1	1	160970-78200	WIRE, LEAD (D=E/#09470)	(E=E/#07250)			1	1		Z	
62-2	1	160970-78200	WIRE, LEAD (D=E/#62833)	(E=E/#10771)			1	1		Z	
63	1	29610-000650	CLAMP, SPEED 065 (C=E/XXX)				1			W	
64	1	29610-000650	CLAMP, SPEED 065 (D=E/#62833)	(E=E/#10771)			1	1		W	
65	1	160495-77260	WIRE (C=*1993.02)	(D=*1993.02)	(E=*1993.02)		1	1	1	W	
66	1	26366-080002	NUT, M8 (C=*1993.02)	(D=*1993.02)	(E=*1993.02)		1	1	1	W	

Fig.27. TOOL & LABEL



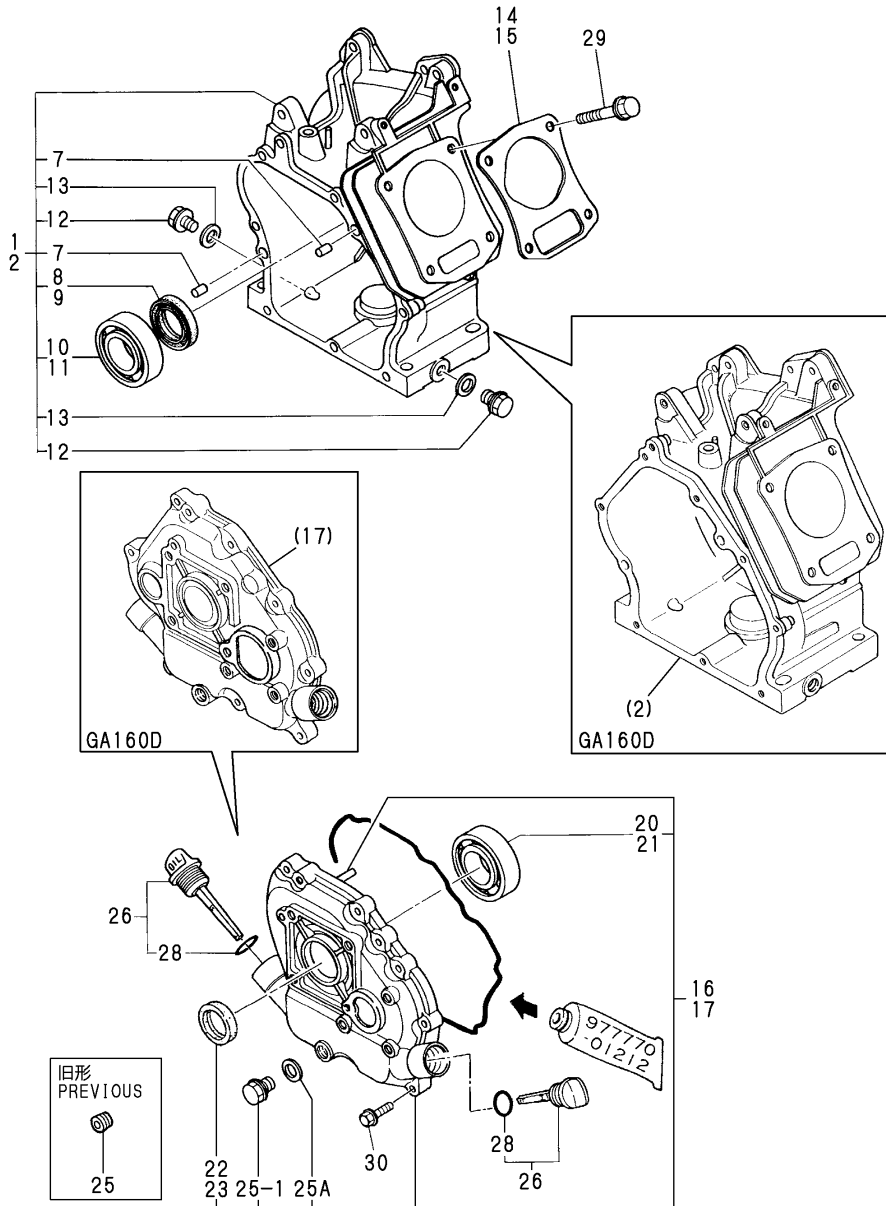
(A)=
(B)=
(C)=GA220S

(D)=GA280S
(E)=GA300S
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160110-92610	BAG, TOOL			1	1	1			
2	1	160120-92700	WRENCH, 21 L86			1	1	1			
3	1	160110-92710	HANDLE, WRENCH			1	1	1			
4	1	28110-100120	SPANNER, 10X12			1	1	1			
11	1	160690-07100	LABEL, OHV MARK			1					
11-1	1	160790-07120	LABEL, OHV MARK			1					N
			(C=E/#12021)								
11-2	1	160790-07200	LABEL, FINGER START			1					N
			(C=E/#51266)								
12	1	160690-07100	LABEL, OHV MARK					1			
12-1	1	160890-07110	LABEL, FINGER START					1			N
			(D=E/#35553)								
12-2	1	160890-07150	LABEL, FINGER START					1			N
			(D=E/#73765)								
13	1	160690-07100	LABEL, OHV MARK						1		
13-1	1	160890-07110	LABEL, FINGER START						1		N
			(E=E/#07250)								
13-2	1	160990-07140	LABEL, OHV MARK						1		N
			(E=E/#11764)								
14	1	160690-07250	LABEL, CAUTION			1	1	1			
14-1	1	160692-07250	LABEL, CAUTION			1	1	1			N
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
14-2	1	160692-07251	LABEL, CAUTION			1	1	1			R
			(C=E/#64280) (D=E/#62235) (E=E/#10416)								
15	1	160520-07270	LABEL, DRAIN			1	1	1			
15-1	1	160520-07271	LABEL, DRAIN			1	1	1			N
			(C=E/#14912) (D=E/#00242) (E=E/#01794)								
15-2	1	160520-07272	LABEL, DRAIN			1	1	1			S 1
			(C=E/#28036) (D=E/#03644) (E=E/#02164)								
15-3	1	160690-07260	LABEL, DRAIN			1	1	1			R
			(C=E/#58982) (D=E/#52181) (E=E/#08901)								
16	1	160520-07370	LABEL, CLEANER			1	1	1			
17	1	1A2100-86500	LABEL, DANGER			1	1	1			W
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
17-1	1	160690-07320	LABEL, NO FIRE			1	1	1			R
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
18	1	1E5120-86600	WARNING, EXHAUST GAS			1	1	1			W
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
18-1	1	105250-07340	LABEL, EXH. GAS CAUTN			1	1	1			R
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
19	1	1E5120-86720	LABEL, CAUTION			1	1	1			W
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
19-1	1	105250-07330	LABEL			1	1	1			R
			(C=E/#43337) (D=E/#18109) (E=E/#07250)								
20	1	161690-07300	LABEL			1	1	1			W
			(C=E/#71002) (D=E/#75911) (E=E/#12604)								

Remarks
(1) LABEL COLOR CHANGED

Fig.28. CYLINDER BLOCK



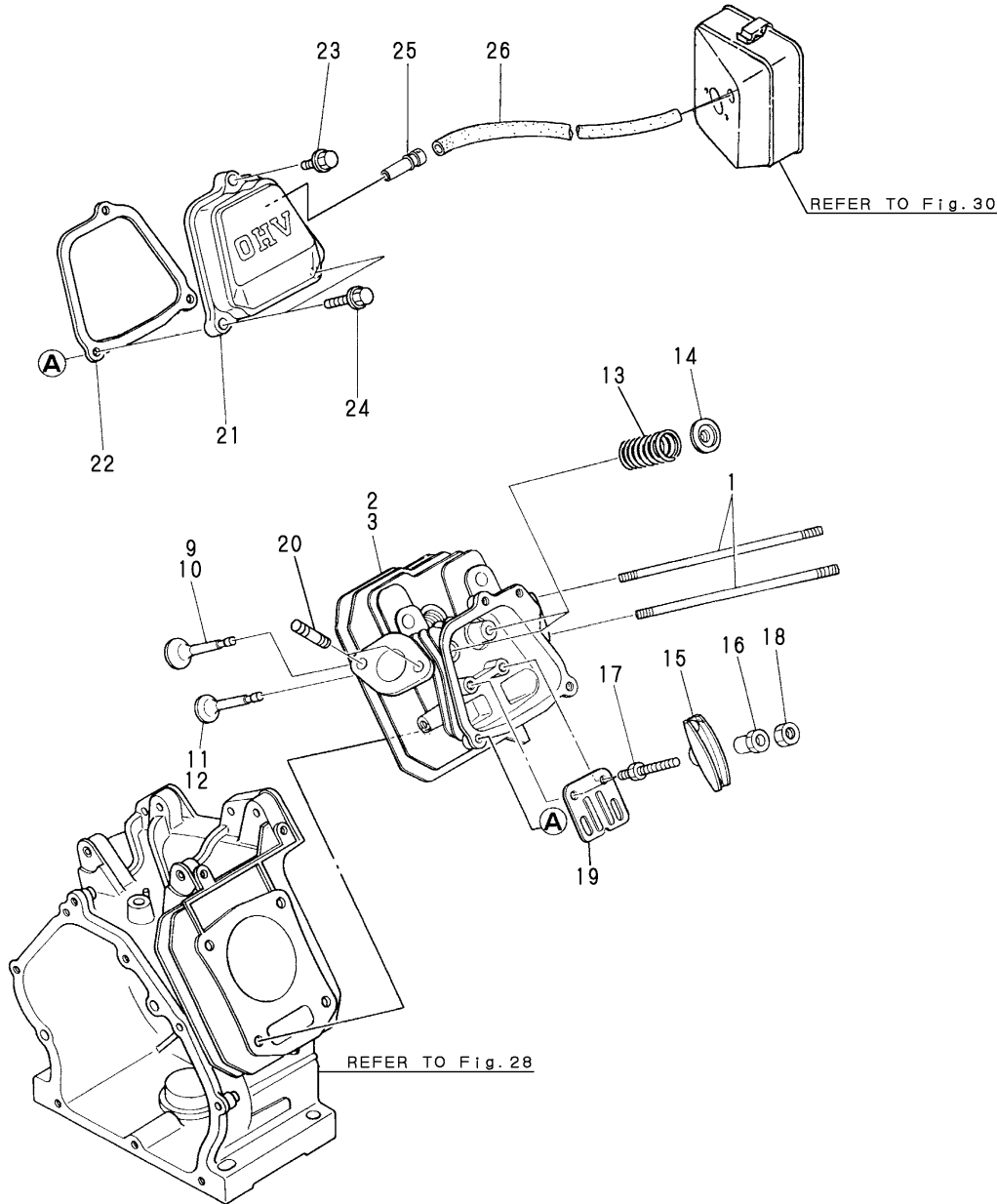
Remarks
 (1)REAR COVER UNIFIED
 (2)INTERCHANGEABLE BY SIMULTANEOUS
 REPLACEMENT WITH NO.25-1 AND 25A.

(A)=GA120D
 (B)=GA160D
 (C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760590-01561	BLOCK ASSY, CYLINDER	1							
1-1	1	760590-01562	BLOCK ASSY, CYLINDER	1							N 1
(A=E/#G1383)											
2	1	760690-01560	BLOCK ASSY, CYLINDER		1						
2-1	1	760690-01561	BLOCK ASSY, CYLINDER		1						N
(B=*1992.04)											
2-2	1	760690-01562	BLOCK ASSY, CYLINDER		1						R
(B=E/#V7977)											
2-3	1	760690-01563	BLOCK ASSY, CYLINDER		1						N
(B=E/#Z6758)											
7	2	22312-080120	PIN, PARALLEL M8X12	2	2						
7-1	2	114270-01600	PIN, M8X12	2	2						R
(A=E/#93732) (B=E/#H1177)											
8	2	160610-02220	SEAL, 20326	1							
9	2	160690-02220	SEAL, TC25416		1						
10	2	24101-062040	BEARING, BALL 6204C3	1							
11	2	24101-062050	BEARING, BALL 6205C3		1						
12	2	160610-01690	PLUG, M12	2	2						
13	2	104200-59170	GASKET, 12	2	2						
14	1	160590-01330	GASKET, HEAD	1							
14-1	1	160590-01331	GASKET, HEAD	1							N
(A=E/#M7127)											
15	1	160690-01330	GASKET, HEAD		1						
15-1	1	160690-01331	GASKET, HEAD		1						N
(B=E/#Z6510)											
15-2	1	160690-01332	GASKET, HEAD		1						N
(B=E/#Z6758)											
16	1	760594-01500	COVER ASSY	1							
16-1	1	760594-01501	COVER ASSY	1							R
(A=E/#G1383)											
17	1	760694-01500	COVER ASSY		1						
17-1	1	760694-01501	COVER ASSY		1						R
(B=E/#K2772)											
17-2	1	760694-01502	COVER ASSY		1						R
(B=E/#Y8922)											
20	2	24101-062040	BEARING, BALL 6204C3	1							
21	2	24101-062050	BEARING, BALL 6205C3		1						
22	2	160640-02220	SEAL, OIL	1							
23	2	160690-02220	SEAL, TC25416		1						
25	2	160690-01600	PLUG, M12	1							
25-1	2	160610-01690	PLUG, M12	1							S 2
(A=E/#B6863)											
25A	2	104200-59170	GASKET, 12	1							W 2
(A=E/#B6863)											
26	1	160710-01760	CAP ASSY, L82	2	2						
26-1	1	114299-01760	CAP ASSY	2	2						N
(A=E/XXX) (B=E/XXX)											
28	2	24311-000180	O-RING, 1AP18.0	2	2						
28-1	2	114299-01950	O-RING, 18	2	2						N
(A=E/XXX) (B=E/XXX)											
29	1	160610-04201	BOLT, FLANGE M8X53	4	4						

Fig.29. CYLINDER HEAD & BONNET



(A)=GA120D
(B)=GA160D
(C)=

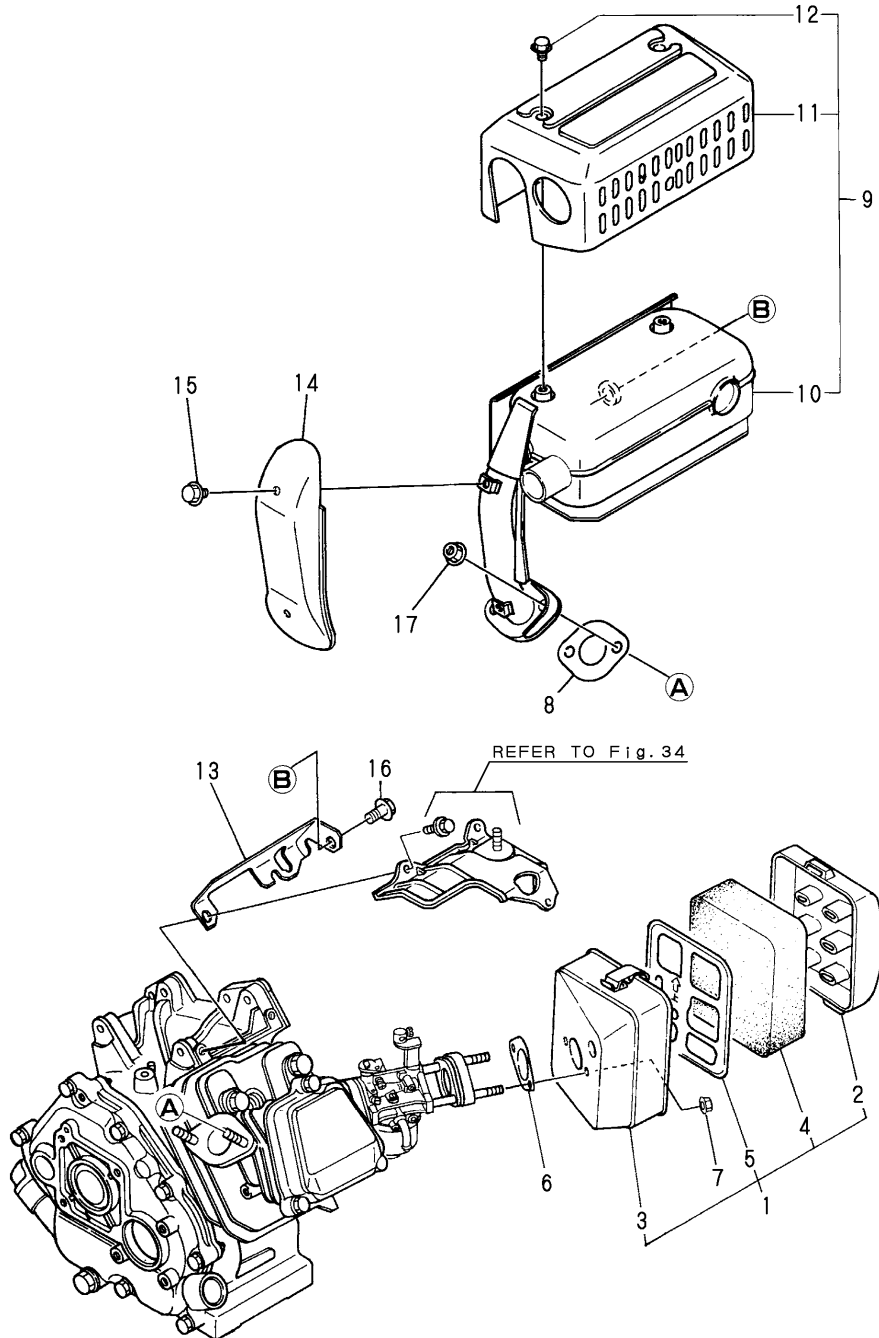
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-04570	BOLT, M6X70	2	2						
2	1	160590-11010	HEAD ASSY, CYLINDER	1							
2-1	1	160590-11011	HEAD ASSY, CYLINDER	1							N
(A=EXXX)											
3	1	160690-11010	HEAD, CYLINDER		1						
3-1	1	160690-11011	HEAD ASSY, CYLINDER		1						N
(B=E/#Z6758)											
9	1	160590-11100	VALVE, INTAKE	1							
10	1	160690-11100	VALVE, INTAKE		1						
11	1	160590-11110	VALVE, EXHAUST	1							
12	1	160690-11110	VALVE, EXHAUST		1						
13	1	160690-11120	SPRING, VALVE	2	2						
14	1	160690-11180	RETAINER, SPRING	2	2						
15	1	160690-11200	ARM, ROCKER	2	2						
16	1	160690-11220	PIVOT, ROCKER ARM	2	2						
16-1	1	160690-11221	PIVOT, ROCKER ARM	2	2						N
(A=E/#G1383) (B=E/#R2194)											
16-2	1	160690-11222	PIVOT, ROCKER ARM	2	2						R
(A=E/#M7188) (B=E/#Z6758)											
17	1	160690-11270	BOLT	2	2						
17-1	1	160690-11271	BOLT	2	2						N
(A=E/#48804) (B=E/#87227)											
18	1	160690-11280	NUT, M6X0.5	2	2						
19	1	160690-11290	PLATE, GUIDE	1	1						
20	1	26216-080182	STUD, M8X 18	2	2						
21	1	160690-11300	BONNET	1	1						
22	1	160690-11310	GASKET, BONNET	1	1						
22-1	1	160690-11311	GASKET, BONNET	1	1						R
(A=E/#L1192) (B=E/#Y8922)											
23	1	26106-060202	BOLT, M6X 20 PLATED	1	1						
24	1	26106-060352	BOLT, M6X 35 PLATED	2	2						
25	1	160690-03050	BREATHER	1	1						
26	1	160810-03180	PIPE, BREATHER	1	1						

Fig.30. AIR CLEANER & MUFFLER

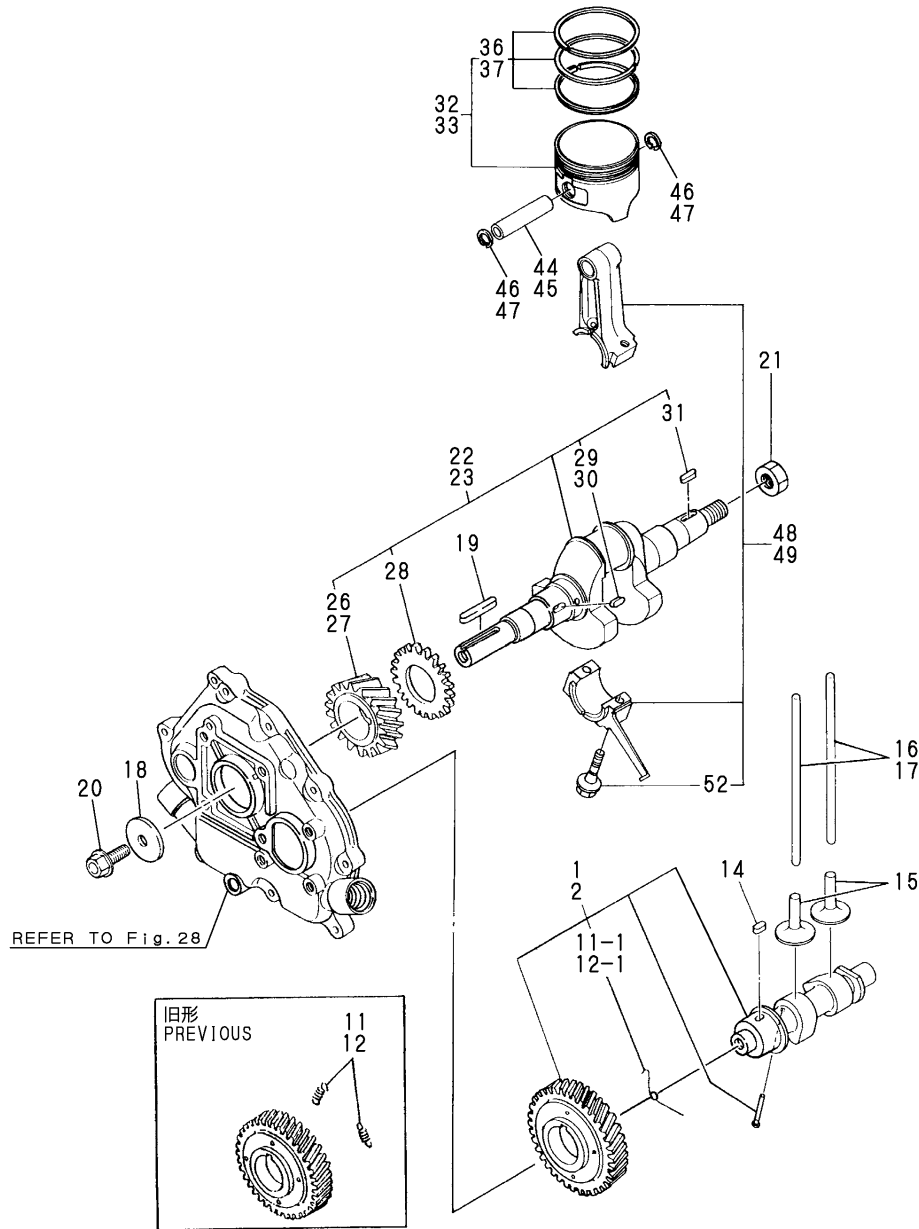
(A)=GA120D
(B)=GA160D
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160690-12600	CLEANER ASSY, AIR	1	1						
2	2	160690-12510	CAP, AIR CLEANER	1	1						
3	2	160690-12530	BODY, AIR CLEANER	1	1						
4	2	160760-12530	ELEMENT	1	1						
5	2	160493-12550	HOLDER, ELEMENT	1	1						
6	1	160610-56150	GASKET, CARBURETOR	1	1						
6-1	1	160610-56151	GASKET, CARBURETOR	1	1						N
		(A=E/#J5853) (B=E/#V7977)									
7	1	26366-060002	NUT, M6	2	2						
8	1	160690-13200	GASKET, MUFFLER	1	1						
8-1	1	160690-13201	GASKET, MUFFLER	1	1						N
		(A=E/#M7127) (B=E/#Z6510)									
9	1	160690-13600	MUFFLER ASSY	1	1						
10	2	160690-13500	MUFFLER	1	1						
11	2	160690-13530	COVER	1	1						
12	2	114252-13950	BOLT, M6X8	3	3						
12-1	2	26106-060082	BOLT, M6X 8 PLATED	3	3						N
		(A=E/XXX) (B=E/XXX)									
13	1	160690-13550	BRACKET, MUFFLER	1	1						
14	1	160690-13900	COVER	1	1						
15	1	114252-13950	BOLT, M6X8	2	2						
16	1	26106-080142	BOLT, M8X 14 PLATED	1	1						
17	1	26366-080002	NUT, M8	2	2						

Fig.31. CRANKSHAFT,PISTON & CAMSHAFT



(A)=GA120D
(B)=GA160D
(C)=

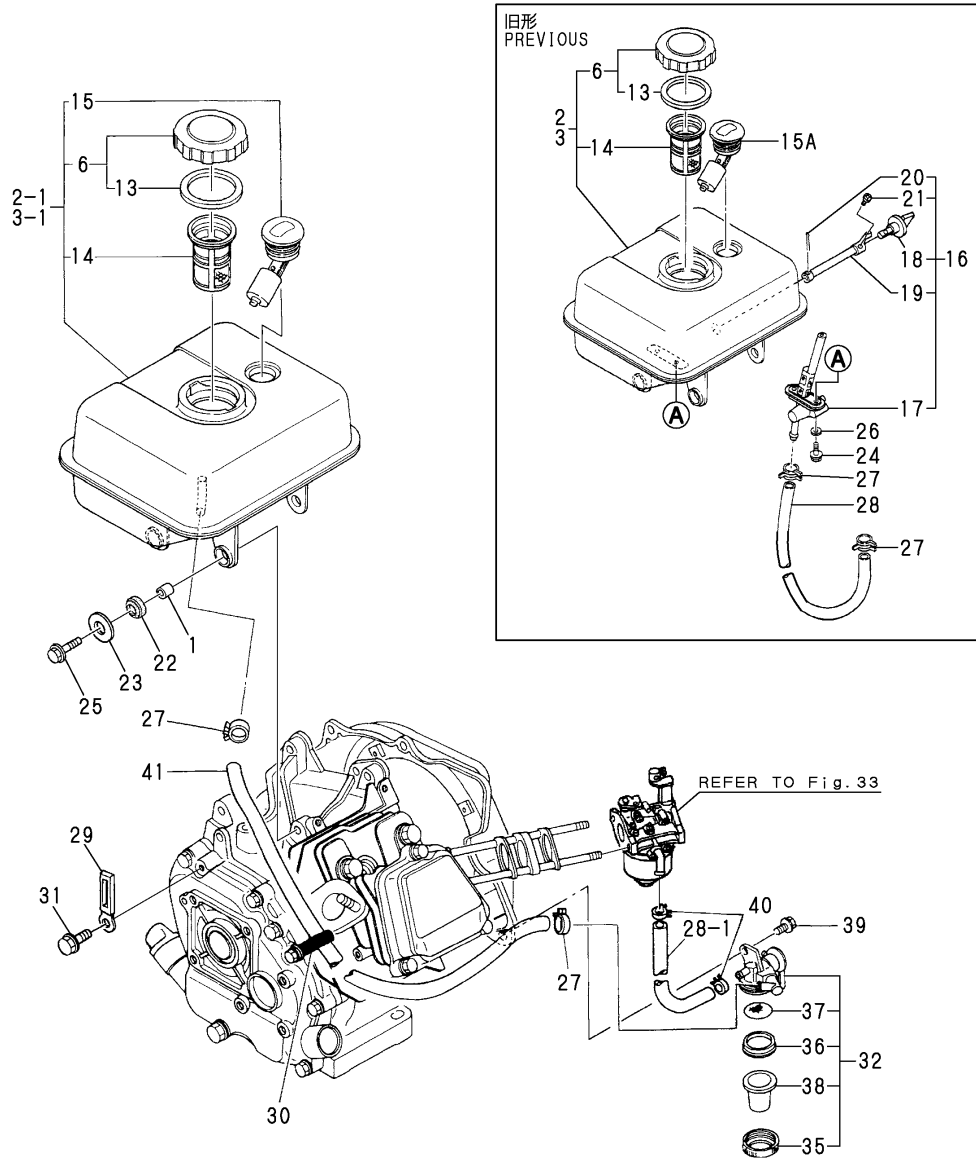
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160594-14050	CAMSHAFT ASSY	1							
2	1	160694-14050	CAMSHAFT ASSY		1						
11	2	160690-14560	SPRING,DECOMPRESSION	2							
11-1	2	160690-14570 (A=E/#40513)	SPRING,DECOMPRESSION	1							S
11-2	2	160590-14570 (A=E/#48805)	SPRING,DECOMPRESSION	1							S 1
11-3	2	160590-14571 (A=E/#E3309)	SPRING,DECOMPRESSION	1							R
12	2	160690-14560	SPRING,DECOMPRESSION		2						
12-1	2	160690-14570 (B=E/#68855)	SPRING,DECOMPRESSION		1						S
12-2	2	160690-14571 (B=E/#R2194)	SPRING,DECOMPRESSION		1						R
14	1	22512-040120	KEY, 4X 12	1	1						
15	1	160490-14200	TAPPET	2	2						
16	1	160590-14400	ROD, PUSH	2							
17	1	114250-14400	ROD, PUSH		2						
18	1	160310-14550	WASHER	1	1						
19	1	22512-050300	KEY, 5X 30	1	1						
20	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
21	1	160610-04910	NUT, FLYWHEEL M14	1	1						
22	1	760594-21720	CRANKSHAFT ASSY	1							
23	1	760694-21710	CRANKSHAFT ASSY		1						
26	2	160590-21200	GEAR, CRANKSHAFT	1							
27	2	160690-21201	GEAR, CRANKSHAFT		1						
28	2	160590-21210	GEAR, IDLE	1	1						
29	2	160610-21290	KEY, 4X10	1							
30	2	22512-040120	KEY, 4X 12		1						
31	2	22512-040160	KEY, 4X 16	1	1						
32	1	160590-22010	PISTON ASSY	1							
32-1	1	160590-22011 (A=*1991.05)	PISTON ASSY	1							R
33	1	160690-22011	PISTON ASSY		1						
36	2	760590-22500	RING SET, PISTON	1							
36-1	2	760590-22501 (A=E/#36175)	RING SET, PISTON	1							S 2
37	2	760690-22501	RING SET, PISTON		1						
44	1	160590-22300	PIN, PISTON	1							
45	1	160690-22300	PIN, PISTON		1						
46	1	22252-000130	RING, 13	2							
47	1	22252-000160	RING, 16		2						
48	1	760590-23700	ROD ASSY, CONNECTING	1							
49	1	760690-23700	ROD ASSY, CONNECTING		1						
52	2	160710-23201	BOLT, CONNECTING ROD	2	2						
52-1	2	26106-060302 (A=E/#96685) (B=E/#J0618)	BOLT, M6X 30 PLATED	2	2						R

Remarks

- (1)SIZE CHANGED FROM L=30 TO L=33
- (2)TOP RING GROOVE CHANGED

Fig.32. FUEL TANK & FUEL PIPE



Remarks

- (1)OUTLET PIPE UNIFIED
- (2)SIZE CHANGED FROM L=440;D=13.5 TO L=159;D=11.5
- (3)INTERCHANGEABILITY IS <S> WITH NO.16.

(A)=GA120D
(B)=GA160D
(C)=

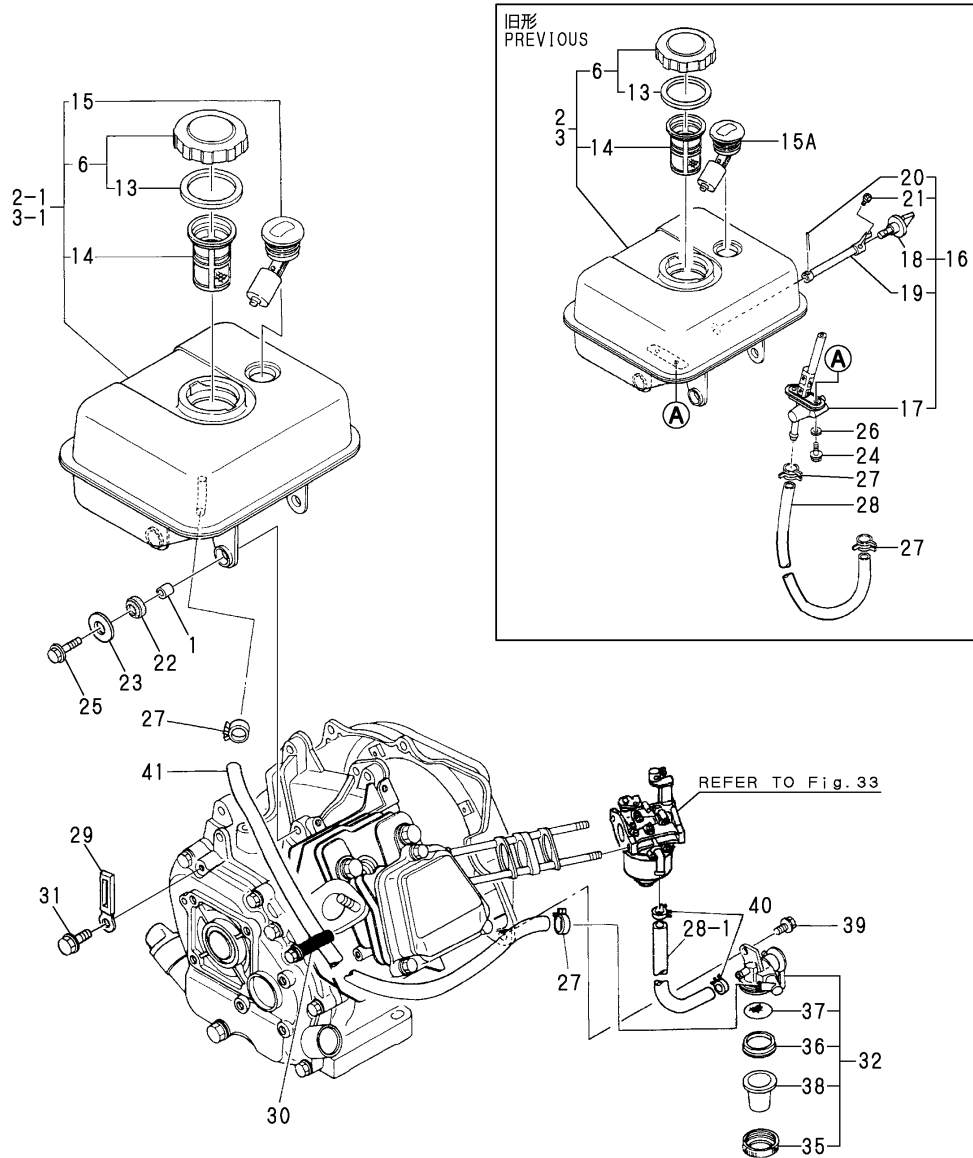
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-45310	COLLAR	4	4						
2	1	760590-55700	TANK ASSY, FUEL	1							
2-1	1	760590-55702	TANK ASSY, FUEL	1							S 1
(A=*1993.02)											
3	1	760690-55700	TANK ASSY, FUEL		1						
3-1	1	760690-55702	TANK ASSY, FUEL		1						S 1
(B=*1993.02)											
6	2	160710-55061	CAP ASSY	1	1						
13	3	160393-55050	GASKET	1	1						
14	2	160610-55100	FILTER, FUEL	1	1						
15	2	160762-55150	GAUGE, FUEL	1	1						
15A	1	160762-55150	GAUGE, FUEL	1	1						
16	1	160690-55300	COCK ASSY, FUEL	1	1						Z
(A=*1993.02) (B=*1993.02)											
17	2	160690-55310	COCK ASSY, FUEL	1	1						Z
(A=*1993.02) (B=*1993.02)											
18	2	160690-55320	LEVER	1	1						Z
(A=*1993.02) (B=*1993.02)											
19	2	160690-55330	SHAFT	1	1						Z
(A=*1993.02) (B=*1993.02)											
20	2	22417-200200	PIN, COTTER 2.0X20	1	1						Z
(A=*1993.02) (B=*1993.02)											
21	2	26557-040102	SCREW, M4X10	1	1						Z
(A=*1993.02) (B=*1993.02)											
22	1	160690-55460	DAMPER, FUEL TANK	4	4						
22-1	1	160690-55461	DAMPER, FUEL TANK	4	4						N
(A=E/#C1084) (B=E/#N2203)											
22-2	1	160690-55462	DAMPER, FUEL TANK	4	4						R
(A=E/#M7127) (B=E/#Z6510)											
23	1	160610-55470	WASHER	4	4						Z
(A=E/#96685) (B=E/#J0618)											
24	1	26106-060142	BOLT, M6X 14 PLATED	2	2						Z
(A=*1993.02) (B=*1993.02)											
25	1	26476-060252	SCREW, TAPPING M6X25	4	4						
25-1	1	114370-45350	BOLT	4	4						N
(A=E/#96685) (B=E/#J0618)											
25-2	1	160690-55140	BOLT	4	4						R
(A=E/#G1383) (B=E/#S6693)											
26	1	43400-500400	SEAL WASHER 6	2	2						Z
(A=*1993.02) (B=*1993.02)											
27	1	106990-44660	CLIP, HOSE 12.5	2	2						
28	1	160690-59360	PIPE, FUEL	1	1						
28-1	1	160820-59390	PIPE, D11.5/L159	1	1						S 2
(A=*1993.02) (B=*1993.02)											
28-2	1	160820-59391	HOSE, D11.5/L159	1	1						N
(A=E/#L1192) (B=E/#Y8922)											
29	1	160260-78700	CLAMP	1	1						Z
(A=*1993.02) (B=*1993.02)											
30	1	160710-78710	CLAMP, CORD	1	1						
31	1	26476-060142	SCREW, TAPPING M6X14	1	1						Z
(A=*1993.02) (B=*1993.02)											

Fig.32. FUEL TANK & FUEL PIPE

(A)=GA120D
(B)=GA160D
(C)=

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

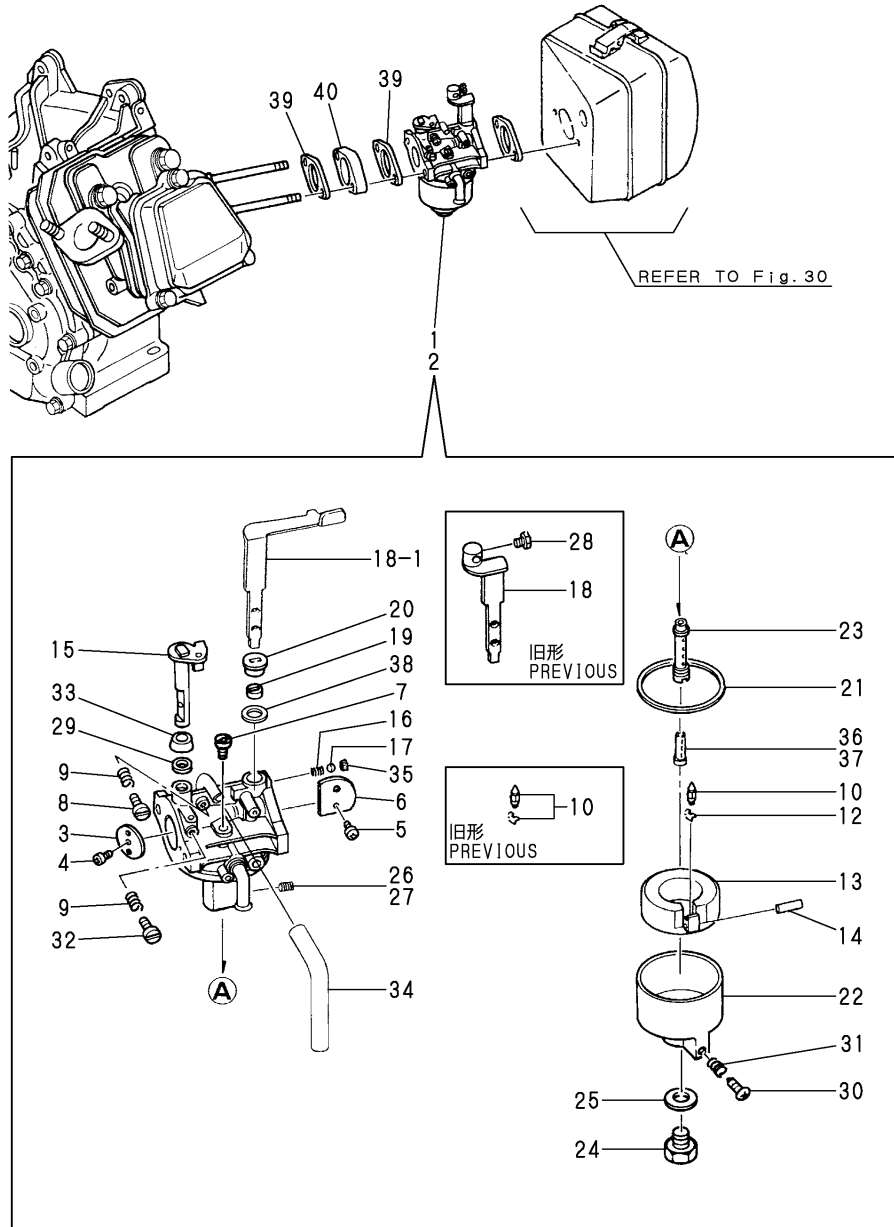


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	1	160692-55300 (A=*1993.02) (B=*1993.02)	COCK ASSY, FUEL	1	1					W	3
35	2	160710-55360	RING	1	1					W	
36	2	160710-55370 (A=*1993.02) (B=*1993.02)	GASKET	1	1					W	
37	2	160710-55382 (A=*1993.02) (B=*1993.02)	FILTER	1	1					W	
38	2	160710-55390 (A=*1993.02) (B=*1993.02)	CUP, FUEL COCK L37	1	1					W	
39	1	26106-060102 (A=*1993.02) (B=*1993.02)	BOLT, M6X 10 PLATED	1	1					W	
40	1	124060-77680 (A=*1993.02) (B=*1993.02)	CLIP, HOSE 10	2	2					W	
40-1	1	119520-03990 (A=E/#M7127) (B=E/#Z6510)	CLIP, HOSE 10.5	2	2					R	
41	1	160802-59370 (A=*1993.02) (B=*1993.02)	PIPE, FUEL	1	1					W	
41-1	1	160802-59371 (A=E/#L1192) (B=E/#Y8922)	HOSE, FUEL A-400	1	1					N	

Remarks

- (1)OUTLET PIPE UNIFIED
- (2)SIZE CHANGED FROM L=440;D=13.5 TO L=159;D=11.5
- (3)INTERCHANGEABILITY IS <S> WITH NO.16.

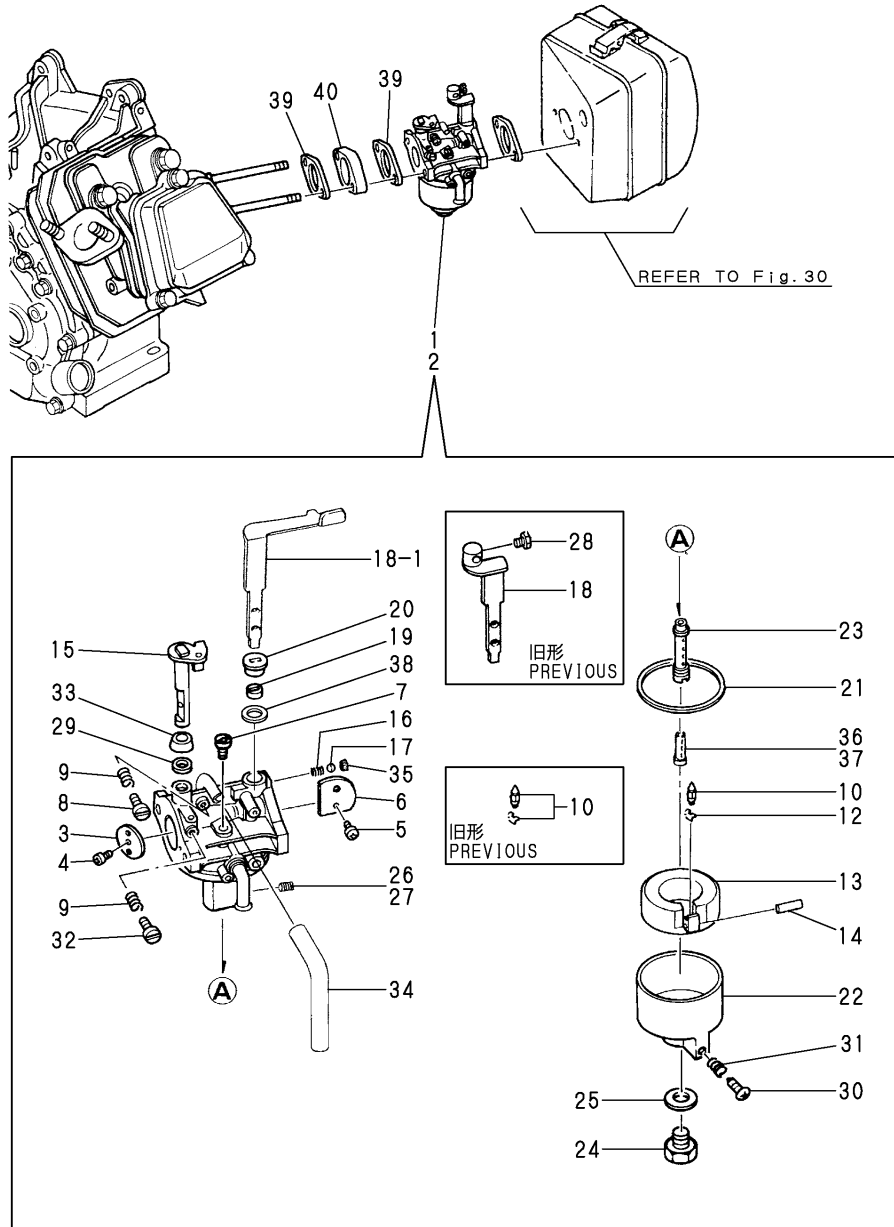
Fig.33. CARBURETOR



Remarks
 (1) LOCATION OF FUEL COCK CHANGED.
 (2) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160590-56020	CARBURETOR ASSY	1							
1-1	1	160590-56030	CARBURETOR ASSY	1							N
(A=E/XXX)											
1-2	1	160597-56011	CARBURETOR ASSY	1							S 1
(A=*1993.02)											
1-3	1	160597-56012	CARBURETOR ASSY	1							N
(A=E/#M7188)											
2	1	160690-56020	CARBURETOR ASSY		1						
2-1	1	160697-56010	CARBURETOR ASSY		1						S 1
(B=*1993.02)											
2-2	1	160697-56011	CARBURETOR ASSY		1						N
(B=E/#L9300)											
2-3	1	160697-56012	CARBURETOR ASSY		1						N
(B=E/#Z6758)											
2-4	1	160697-57020	CARBURETOR ASSY		1						N
(B=E/#Z6758)											
3	2	160592-56540	VALVE, THROTTLE	1	1						
4	2	160810-56670	SCREW	1	1						
4A-1	2	160690-56580	SCREW	1							N
(A=E/XXX)											
4B-1	2	160690-56560	SCREW		1						N
(B=E/#L9300)											
5	2	160903-56670	SCREW	2	2						
5-1	2	160690-56570	SCREW	2	2						N
(A=E/XXX) (B=E/#L9300)											
6	2	160590-56530	VALVE, CHOKE	1	1						
6-1	2	160593-56700	VALVE, CHOKE	1							S
(A=E/#M7188)											
7	2	160610-56740	JET, PILOT	1	1						
7-1	2	160667-56740	JET, PILOT	1							S
(A=*1993.02)											
7-2	2	160590-56750	JET, PILOT	1							S
(A=E/#M7188)											
8	2	160692-56710	SCREW	1	1						
9	2	181230-56380	SPRING	2	2						
10	2	160692-56560	VALVE ASSY, NEEDLE	1	1						2
10-1	2	160710-56732	VALVE, INJECTION	1	1						S 2
(A=E/XXX) (B=E/#L9300)											
12	2	160692-56750	CLIP	1	1						
13	2	160769-56620	FLOAT ASSY	1	1						
13-1	2	160697-56620	FLOAT ASSY	1	1						S
(A=*1993.02) (B=*1993.02)											
14	2	160610-56630	PIN, FLOAT	1	1						
14-1	2	160690-56630	PIN, FLOAT	1	1						S
(A=E/XXX) (B=E/#L9300)											
15	2	160692-56640	SHAFT, THROTTLE	1	1						
16	2	160310-56980	SPRING, CHOKE	1	1						
17	2	160310-56990	BALL, STEEL	1	1						
18	2	160690-56650	LEVER, CHOKE	1	1						
18-1	2	160697-56650	LEVER, CHOKE	1	1						S
(A=*1993.02) (B=*1993.02)											

Fig.33. CARBURETOR

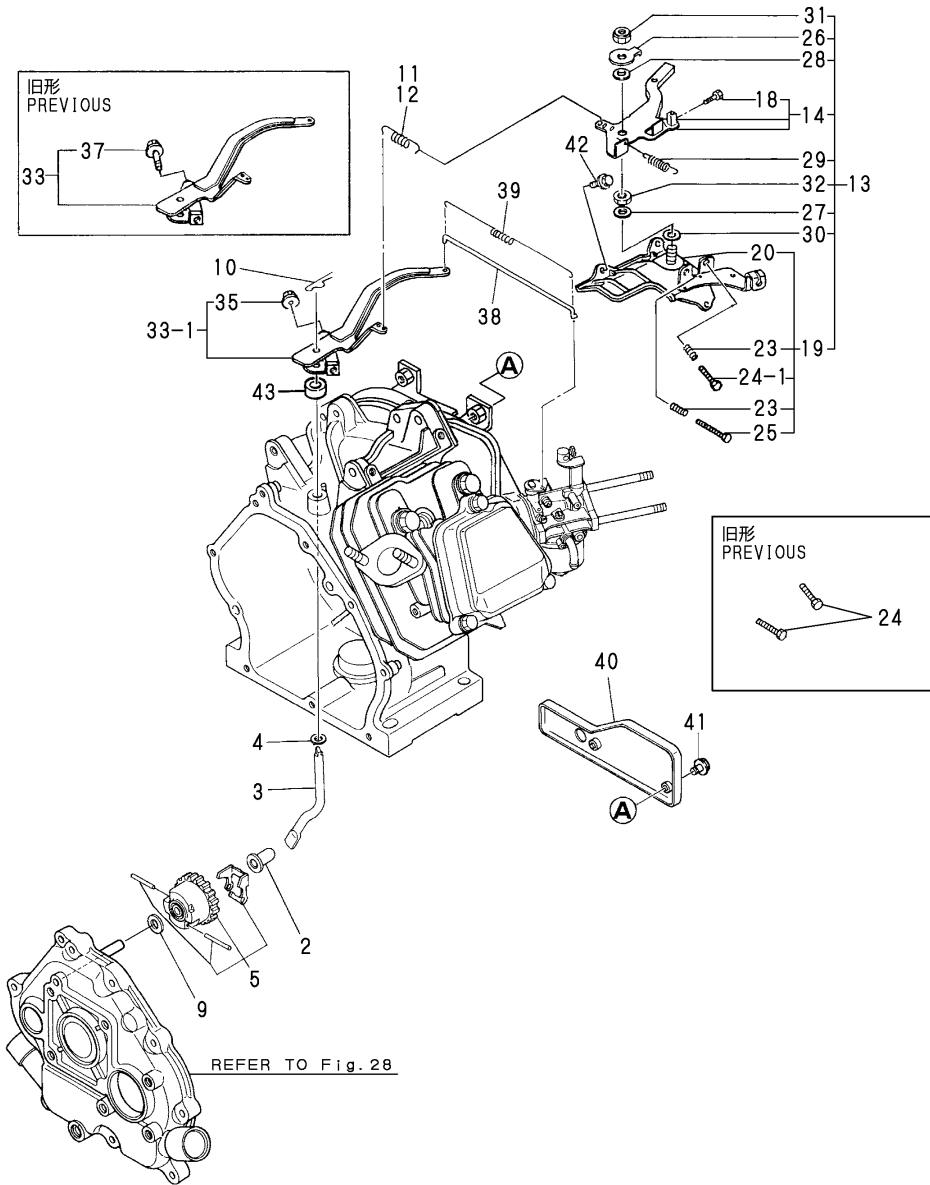


(A)=GA120D
(B)=GA160D
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
19	2	160810-56580	RING, CHOKE SHAFT	1	1						
20	2	160810-56590	RING, CHOKE LEVER	1	1						
21	2	160610-56610	GASKET	1	1						
22	2	160769-56640	BODY, FLOAT CHAMBER	1	1						
23	2	160590-56670	NOZZLE, MAIN	1	1						
23A-1	2	160590-56681	NOZZLE, MAIN	1							S
		(A=*1993.02)									
23B-1	2	160598-56670 (B=E/#L9300)	NOZZLE, MAIN		1						S
24	2	160769-56660	BOLT	1	1						
25	2	160610-56611	GASKET	1	1						
25-1	2	160810-56550	WASHER	1	1						S
		(A=EXXX) (B=E/#L9300)									
26	2	160590-56770	JET, ENRICHMENT	1							
26-1	2	160590-56771	JET, MAIN	1							S
		(A=*1993.02)									
27	2	160690-56800	JET, ENRICHMENT		1						
27-1	2	160693-56580	JET, MAIN		1						S
		(B=E/#L9300)									
28	2	26117-040088 (A=*1993.02) (B=*1993.02)	BOLT M 4X 8 PLATED	1	1						Z
29	2	160640-56850	SEAL	1	1						
30	2	160610-56900	SCREW	1	1						
31	2	181230-56380	SPRING	1	1						
32	2	160667-56750	ADJUSTER	1	1						
33	2	160702-56720	RING	1	1						
34	2	160692-56770	HOSE	1	1						Z
		(A=*1993.02) (B=*1993.02)									
35	2	160692-56700	PLUG	1	1						
36	2	160590-56800	NOZZLE, MAIN	1							W
		(A=*1993.02)									
37	2	160690-56750 (B=*1993.02)	NOZZLE, MAIN		1						W
37-1	2	160690-56751 (B=E/#L9300)	NOZZLE, MAIN		1						S
38	2	160692-56800 (A=*1993.02) (B=*1993.02)	RUBBER, SEAL	1	1						W
39	1	160610-56150	GASKET, CARBURETOR	2	2						
39-1	1	160610-56151	GASKET, CARBURETOR	2	2						R
		(A=E/#J5853) (B=E/#V7977)									
40	1	160690-56160	SPACER, CARBURETOR	1	1						

Remarks
(1) LOCATION OF FUEL COCK CHANGED.
(2) REPAIR PART.

Fig.34. GOVERNOR & CONTROL DEVICE

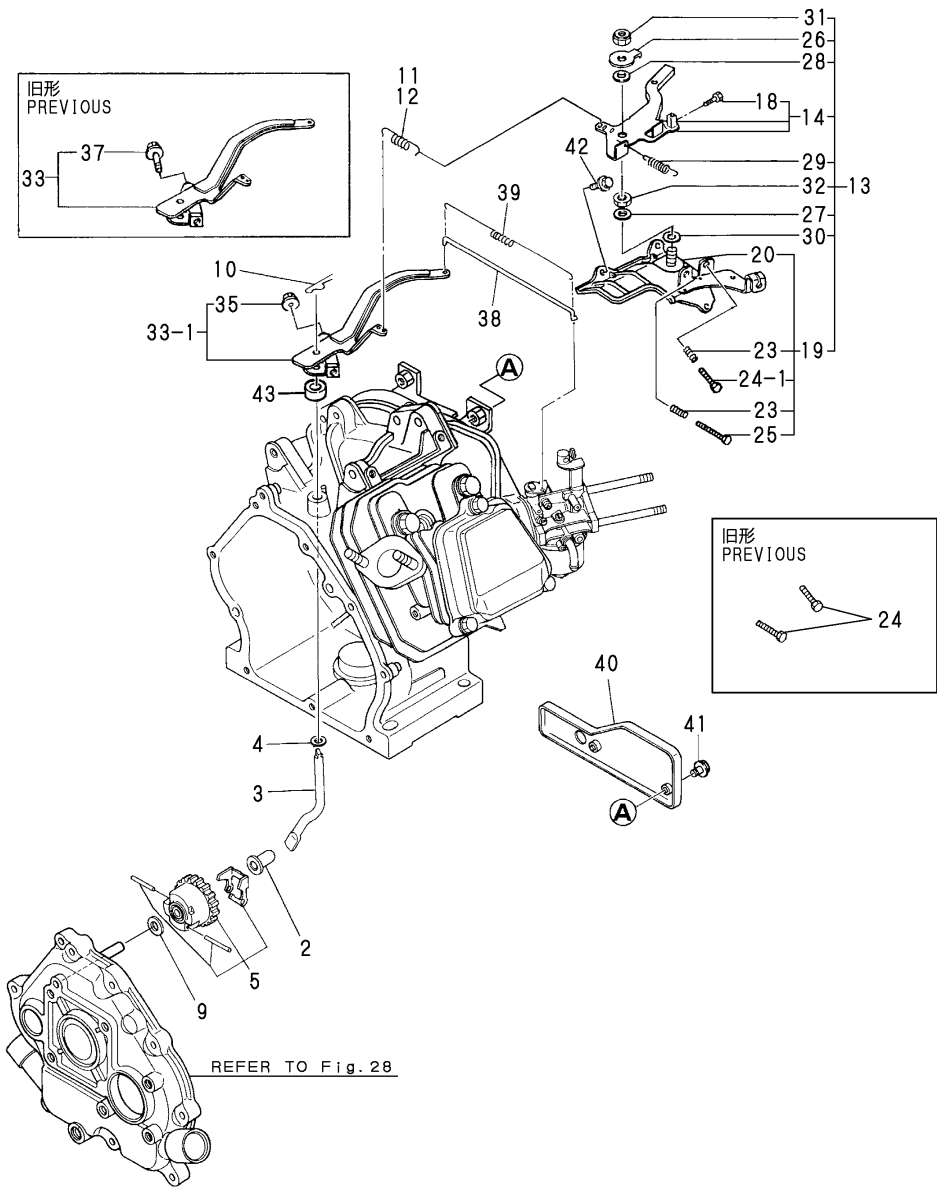


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160690-61300	SPINDLE	1	1						
2-1	1	160690-61301	SPINDLE	1	1						R
		(A=E/#A7883) (B=E/#K2772)									
3	1	160690-61310	SHAFT	1	1						
3-1	1	160690-61311	SHAFT	1	1						R
		(A=E/#C1085) (B=E/#N2203)									
4	1	160690-61450	WASHER	1	1						
5	1	160690-61600	GEAR ASSY, GOVERNOR	1	1						
9	1	160120-76940	WASHER	1	1						
10	1	22372-080000	PIN, SNAP 8	1	1						
11	1	160594-66010	SPRING, GOVERNOR	1							
11-1	1	160590-66010	SPRING, GOVERNOR	1							N
		(A=E/XXX)									
11-2	1	160594-66011	SPRING, GOVERNOR	1							S 1
		(A=E/#61694)									
12	1	160694-66010	SPRING, GOVERNOR		1						
12-1	1	160690-66010	SPRING, GOVERNOR		1						N
		(B=E/XXX)									
12-2	1	160690-66011	SPRING, GOVERNOR		1						S 2
		(B=E/#B0790)									
13	1	160690-66101	CONTROLLER ASSY	1	1						
14	2	160690-66081	LEVER ASSY, CONTROL	1	1						
18	3	26117-040088	BOLT M 4X 8 PLATED	1	1						
19	2	160690-66111	BASE ASSY	1	1						
20	3	160690-66140	BASE ASSY	1	1						
20-1	3	160690-66141	BASE ASSY	1	1						N
		(A=E/#40513) (B=E/#20378)									
20-2	3	160690-66142	BASE ASSY	1	1						N
		(A=E/#48805) (B=E/#87227)									
20-3	3	160690-66143	BASE ASSY	1	1						N
		(A=*1993.01) (B=*1993.01)									
23	3	160520-66291	SPRING	2	2						
24	3	26117-040257	BOLT, M4X 25 PLATED	2	2						
24-1	3	26117-040257	BOLT, M4X 25 PLATED	1	1						K
		(A=E/XXX) (B=E/XXX)									
25	3	26117-040357	BOLT, M4X 35 PLATED	1	1						W
		(A=E/XXX) (B=E/XXX)									
25-1	3	26117-040257	BOLT, M4X 25 PLATED	1	1						N
		(A=*2009.03) (B=*2009.03)									
26	2	160690-66160	WASHER	1	1						
27	2	160664-66170	WASHER	1	1						
28	2	160664-66180	SPRING	1	1						
29	2	160664-66220	SPRING, RETURN	1	1						
30	2	22137-060000	WASHER, 6	1	1						
31	2	26347-060002	NUT, M6	1	1						
32	2	26757-060002	NUT, LOCK M6	1	1						
33	1	160690-66190	LEVER ASSY, GOVERNOR	1	1						
33-1	1	160690-66180	LEVER ASSY, GOVERNOR	1	1						N
		(A=E/#36500) (B=E/#68854)									
35	2	26366-060002	NUT, M6	1	1						W
		(A=E/#36500) (B=E/#68854)									

Remarks

- (1)SIZE CHANGED FROM L=50.5 TO L=49.5
- (2)SIZE CHANGED FROM L=46 TO L=44.5
- (3)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.

Fig.34. GOVERNOR & CONTROL DEVICE



(A)=GA120D
(B)=GA160D
(C)=

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

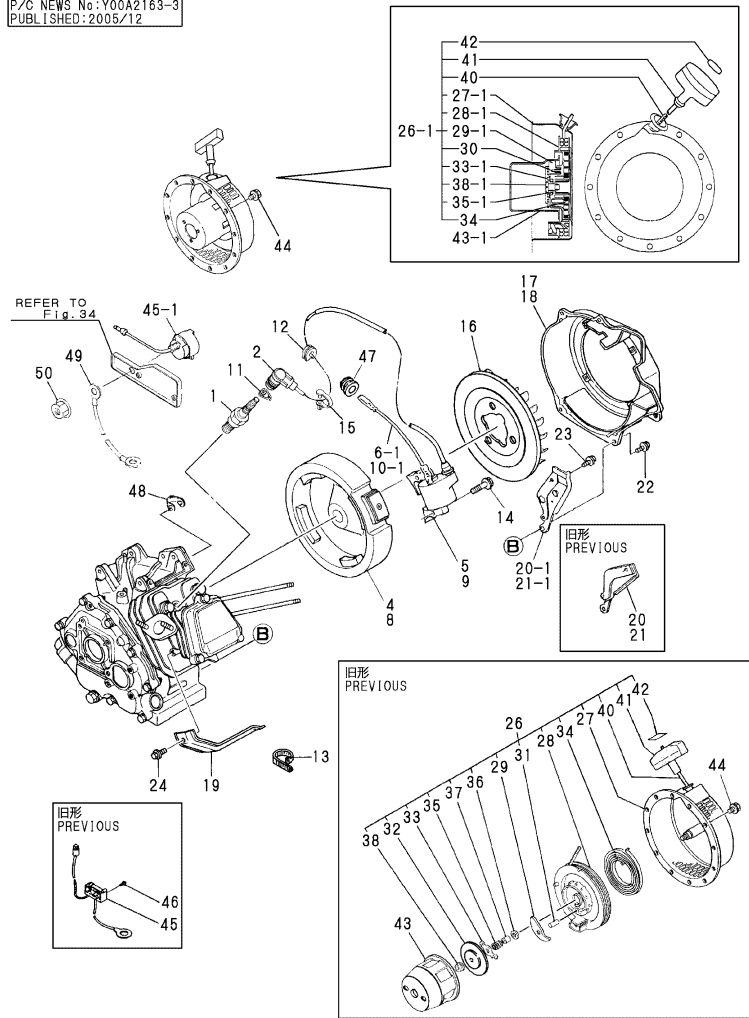
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
37	2	26106-060402 (A=E/#36500)	BOLT, M6X 40 PLATED (B=E/#68854)	1	1						Z
38	1	160690-66200	LINK, THROTTLE	1	1						
39	1	160690-66210	SPRING, TENSION	1	1						
40	1	160690-66300	PANEL	1	1						
40-1	1	160690-66310	PANEL	1	1						S 3
41	1	26106-060102 (A=*1993.02)	BOLT, M6X 10 PLATED (B=*1993.02)	2	2						
41-1	1	26106-060162	BOLT, M6X 16 PLATED	2	2						N
42	1	26476-060142 (A=E/XXX)	SCREW, TAPPING M6X14 (B=E/XXX)	3	3						
43	1	114770-61600 (A=E/#48804)	SEAL, OIL (B=E/#87227)	1	1						W

Remarks

- (1)SIZE CHANGED FROM L=50.5 TO L=49.5
- (2)SIZE CHANGED FROM L=46 TO L=44.5
- (3)SHAPE OF STOP SWITCH INSTALLING PART CHANGED.

Fig.35. FLY.MAGNETO & STARTING DEVICE

P/C NEWS No:Y00A2163-3
PUBLISHED:2005/12



Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.5-1 AND 6-1.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.9-1 AND 10-1.
- (3)FUEL COCK STAY ADDED
- (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.43-1.
- (5)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (6)THIS PART IS USED FOR NO.26.
- (7)THIS PART IS USED FOR NO.26-1.

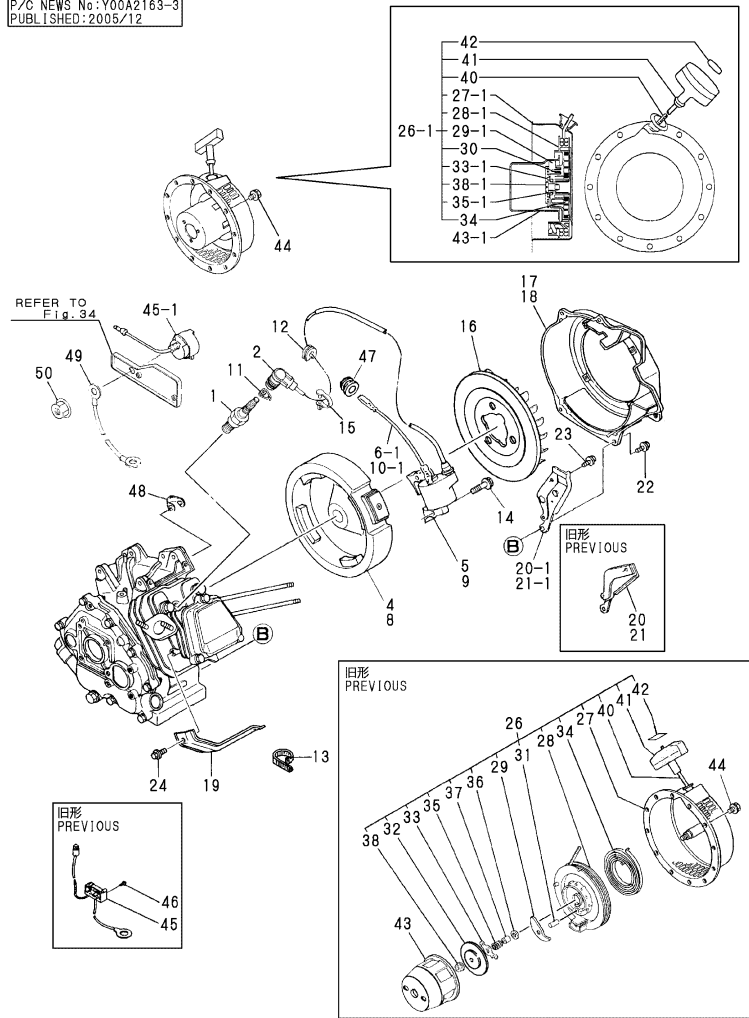
(A)=GA120D
(B)=GA160D
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160690-78010	PLUG, SPARK BP6ES	1	1						
1-1	1	160690-78020	PLUG, SPARK	1	1						N
		(A=E/#57008) (B=E/#A4493)									
1-2	1	160690-78030	PLUG, SPARK N11YC	1	1						N
		(A=E/XXX) (B=E/XXX)									
2	1	160700-78040	CAP, PLUG	1	1						
4	1	160594-78500	ROTOR		1						
4-1	1	160594-78501	ROTOR		1						N
		(A=E/#G1383)									
5	1	160594-78530	COIL, IGNITION		1						
5-1	1	160594-78531	COIL, IGNITION		1						S 1
		(A=E/#22084)									
5-2	1	160594-78532	COIL, IGNITION		1						N
		(A=E/#L1192)									
6-1	1	160694-78230	WIRE		1						W 1
		(A=E/#22084)									
8	1	160694-78500	ROTOR			1					
8-1	1	160694-78501	ROTOR			1					N
		(B=E/#S6693)									
9	1	160690-78531	COIL, IGNITION			1					
9-1	1	160690-78532	COIL, IGNITION			1					S 2
		(B=E/#54906)									
9-2	1	160694-78530	COIL, IGNITION			1					N
		(B=E/#B0790)									
9-3	1	160694-78531	COIL, IGNITION			1					N
		(B=E/#Y8922)									
10-1	1	160694-78230	WIRE			1					W 2
		(B=E/#54906)									
11	1	160700-78050	TERMINAL, PLUG		1	1					
12	1	160700-78720	GROMMET		1	1					
13	1	160370-78950	BAND, L=98		1	1					
14	1	26476-060302	SCREW, TAPPING M6X30		2	2					
14-1	1	160690-04350	BOLT, M6X30		2	2					R
		(A=E/#M7188) (B=E/#Z6758)									
15	1	29610-000950	CLAMP, SPEED 095		1	1					
16	1	160694-45010	FAN, COOLING		1	1					
17	1	160594-45100	CASE, COOLING FAN		1						
17-1	1	160594-45120	CASE, COOLING FAN		1						S 3
		(A=*1993.02)									
18	1	160694-45100	CASE, COOLING FAN		1						
18-1	1	160694-45110-1	CASE, COOLING FAN		1						S 3
		(B=*1993.02)									
19	1	160690-45200	COVER		1	1					
19-1	1	160699-45200	COVER		1	1					R
		(A=E/#G1383) (B=E/#V7977)									
20	1	160590-45210	COVER		1						
20-1	1	160590-45211	COVER		1						N
		(A=E/#22084)									
20-2	1	160590-45211	COVER		1						Z
		(A=E/#G1383)									
21	1	160690-45210	COVER		1						

Fig.35. FLY.MAGNETO & STARTING DEVICE

P/C NEWS No.:Y00A2163-3
PUBLISHED:2005/12



(A)=GA120D
(B)=GA160D
(C)=

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

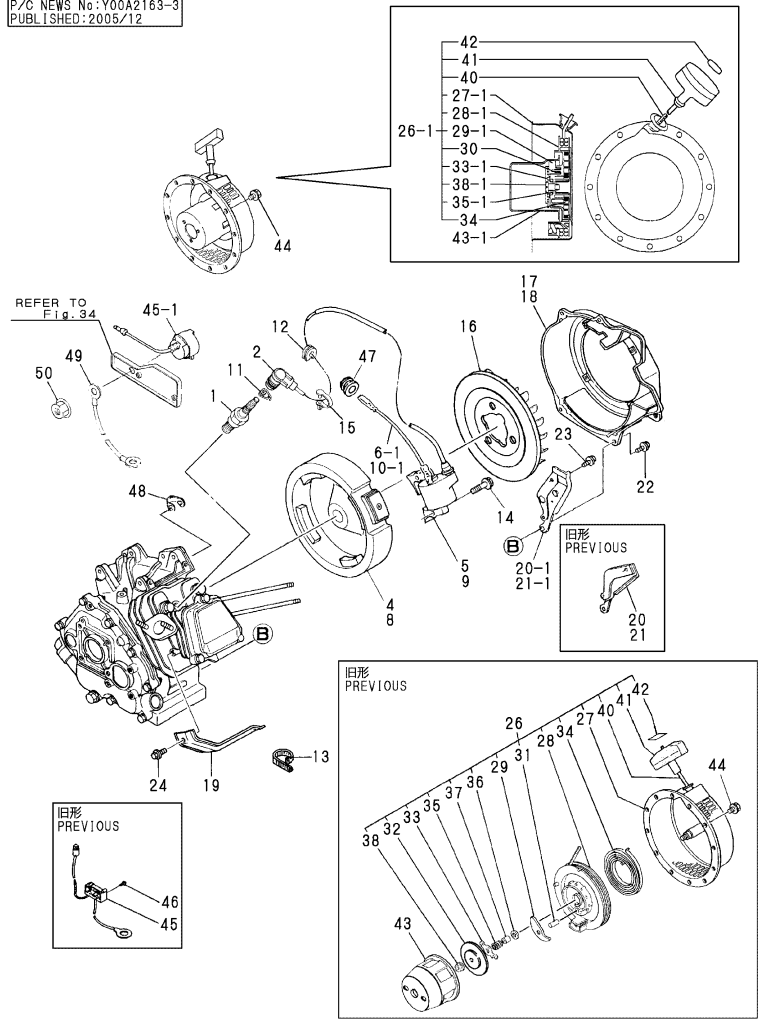
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
21-1	1	160690-45211	COVER (B=E/#46379)		1						N
21-2	1	160690-45211	COVER (B=*1992.04)		1						Z
22	1	26476-060122	SCREW, TAPPING M6X12	4	4						
22-1	1	26476-060142	SCREW, TAPPING M6X14 (A=*1991.07) (B=*1991.07)	4	4						N
23	1	26476-060122	SCREW, TAPPING M6X12	1	1						
23-1	1	26476-060142	SCREW, TAPPING M6X14 (A=E/XXX) (B=E/XXX)	1	1						N
23-2	1	26476-060142	SCREW, TAPPING M6X14 (A=E/#G1383) (B=*1992.04)	1	1						Z
24	1	26476-060122	SCREW, TAPPING M6X12	1	1						
24-1	1	26476-060142	SCREW, TAPPING M6X14 (A=E/XXX) (B=E/XXX)	1	1						N
26	1	160694-76250	STARTER ASSY, RECOIL	1	1						
26-1	1	160694-76251	STARTER ASSY, RECOIL (A=E/#A3008) (B=E/#K2772)	1	1						F 4
27	2	160694-76510	CASE, STARTER	1	1						
27-1	2	160694-76511	CASE, STARTER (A=E/#A3008) (B=E/#K2772)	1	1						S
28	2	160690-76520	REEL	1	1						
28-1	2	160690-76521	REEL (A=E/#A3008) (B=E/#K2772)	1	1						S
29	2	160690-76800	RATCHET	1	1						
29-1	2	160690-76801	RATCHET (A=E/#A3008) (B=E/#K2772)	2	2						S
30	2	160690-76570	SPRING, RETURN	2	2						7
31	2	160690-76810	PIN, RATCHET	1	1						6
32	2	160690-76580	PLATE, FRICTION	1	1						
33	2	160690-76530	GUIDE, RATCHET	1	1						
33-1	2	160690-76531	GUIDE, RATCHET (A=E/#A3008) (B=E/#K2772)	1	1						S
34	2	160690-76540	SPRING, SPIRAL	1	1						
35	2	160690-76560	SPRING, FRICTION	1	1						
35-1	2	160690-76561	SPRING, FRICTION (A=E/#A3008) (B=E/#K2772)	1	1						S
36	2	160690-76550	WASHER, THRUST	1	1						6
37	2	160690-76820	SHAFT	1	1						6
38	2	26367-060002	NUT, M6	1	1						6
38-1	2	160698-76580	SCREW (A=E/#A3008) (B=E/#K2772)	1	1						S
40	2	160690-76630	ROPE, STARTER	1	1						
41	2	160690-76620	KNOB, STARTER	1	1						
42	2	160690-76830	CAP, KNOB	1	1						
43	1	160690-76590	PULLEY, STARTER	1	1						
43-1	1	160690-76591	PULLEY, STARTER (A=E/#A3008) (B=E/#K2772)	1	1						S
44	1	26106-060082	BOLT, M6X 8 PLATED	4	4						
45	1	160690-77250	SWITCH, STOP	1	1						
45-1	1	160611-77250	SWITCH, STOP	1	1						S 5

Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.5-1 AND 6-1.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.9-1 AND 10-1.
- (3)FUEL COCK STAY ADDED
- (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.43-1.
- (5)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (6)THIS PART IS USED FOR NO.26.
- (7)THIS PART IS USED FOR NO.26-1.

Fig.35. FLY.MAGNETO & STARTING DEVICE

P/C NEWS No.:Y00A2163-3
PUBLISHED:2005/12



(A)=GA120D
(B)=GA160D
(C)=

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

No.	Lev.	Parts No.	Description	Qty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
		(A=*1993.02) (B=*1993.02)										
46	1	22857-200100	SCREW, 2X10	2	2							Z
		(A=*1993.02) (B=*1993.02)										
47	1	160341-01950	PIPE	1								W
		(A=EXXX)										
47-1	1	160341-01950	PIPE	1								Z
		(A=E/#J5853)										
48	1	29610-000650	CLAMP, SPEED 065	1								W
		(A=EXXX)										
49	1	160495-77260	WIRE	1	1							W
		(A=*1993.02) (B=*1993.02)										
50	1	26366-080002	NUT, M8	1	1							W
		(A=*1993.02) (B=*1993.02)										

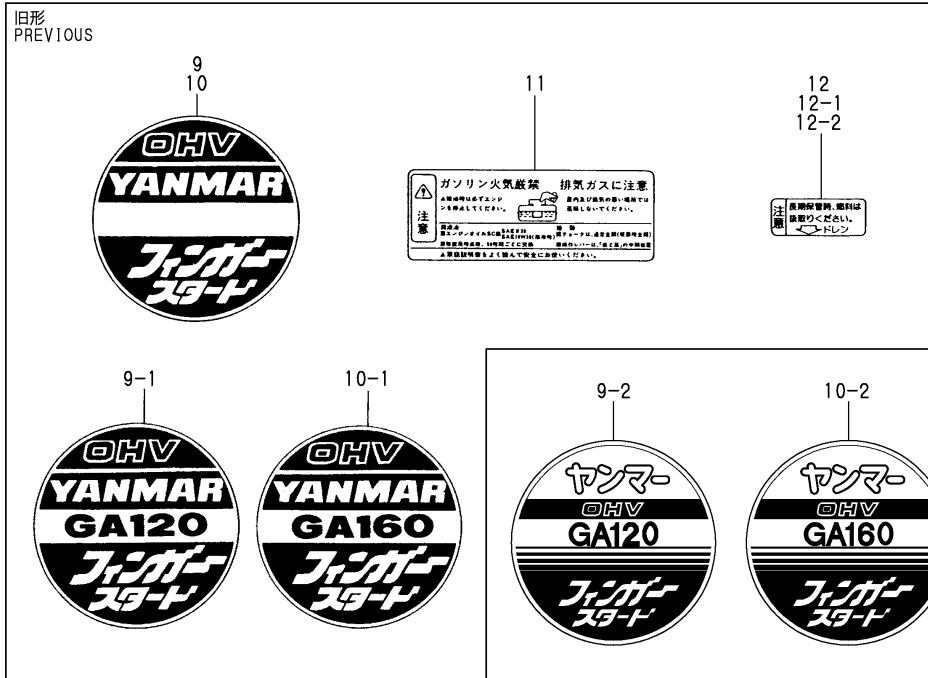
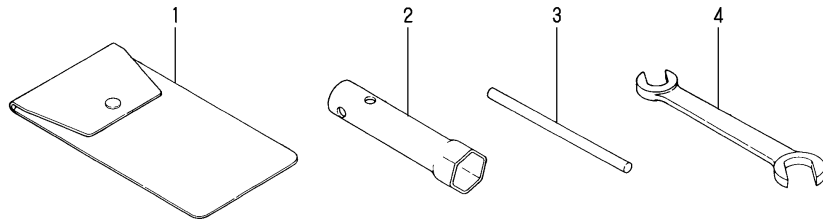
Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.5-1 AND 6-1.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.9-1 AND 10-1.
- (3)FUEL COCK STAY ADDED
- (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.43-1.
- (5)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
- (6)THIS PART IS USED FOR NO.26.
- (7)THIS PART IS USED FOR NO.26-1.

Fig.36. TOOL & LABEL

(A)=GA120D
(B)=GA160D
(C)=

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



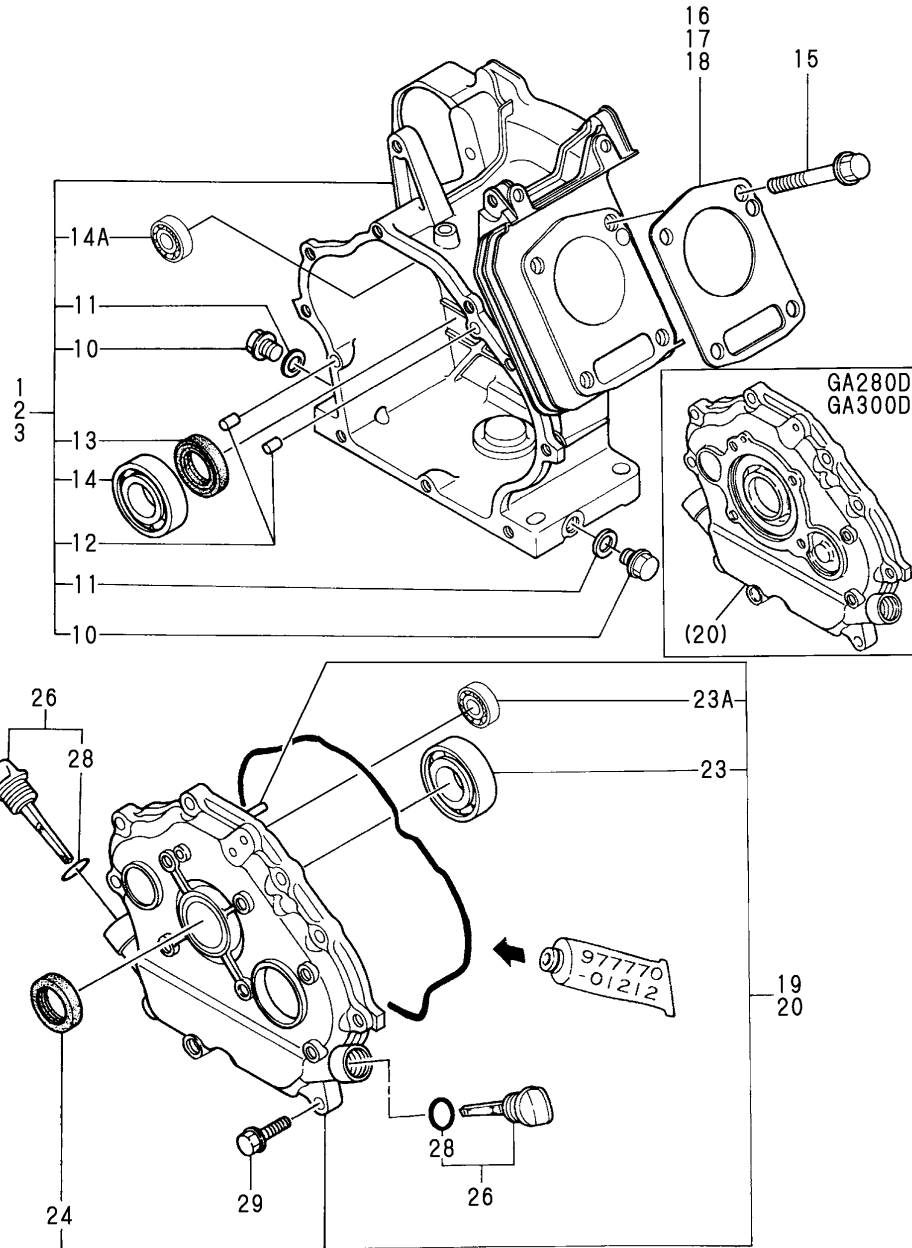
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160110-92610	BAG, TOOL	1	1						
2	1	160120-92700	WRENCH, 21 L86	1	1						
3	1	160110-92710	HANDLE, WRENCH	1	1						
4	1	28110-100120	SPANNER, 10X12	1	1						
9	1	160690-07100	LABEL, OHV MARK	1							
9-1	1	160590-07120	LABEL, OHV MARK	1							N
9-2	1	160590-07400	LABEL, FINGER START	1							N
10	1	160690-07100	LABEL, OHV MARK		1						
10-1	1	160690-07120	LABEL, OHV MARK		1						N
10-2	1	160690-07180	LABEL, FINGER START		1						N
11	1	160690-07250	LABEL, CAUTION	1	1						
11-1	1	160692-07250	LABEL, CAUTION	1	1						N
11-2	1	160692-07251	LABEL, CAUTION	1	1						R
12	1	160520-07270	LABEL, DRAIN	1	1						
12-1	1	160520-07271	LABEL, DRAIN	1	1						R
12-2	1	160520-07272	LABEL, DRAIN	1	1						S 1
12-3	1	160690-07260	LABEL, DRAIN	1	1						R
13	1	160520-07370	LABEL, CLEANER	1	1						
14	1	1A2100-86500	LABEL, DANGER	1	1						W
14-1	1	160690-07320	LABEL,NO FIRE	1	1						R
15	1	1E5120-86600	WARNING,EXHAUST GAS	1	1						W
15-1	1	105250-07340	LABEL,EXH.GAS CAUTN	1	1						R
16	1	1E5120-86720	LABEL, CAUTION	1	1						W
16-1	1	105250-07330	LABEL	1	1						R
17	1	161690-07300	LABEL	1	1						W

Remarks

(1) LABEL COLOR CHANGED

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:Q'ty Change

Fig.37. CYLINDER BLOCK

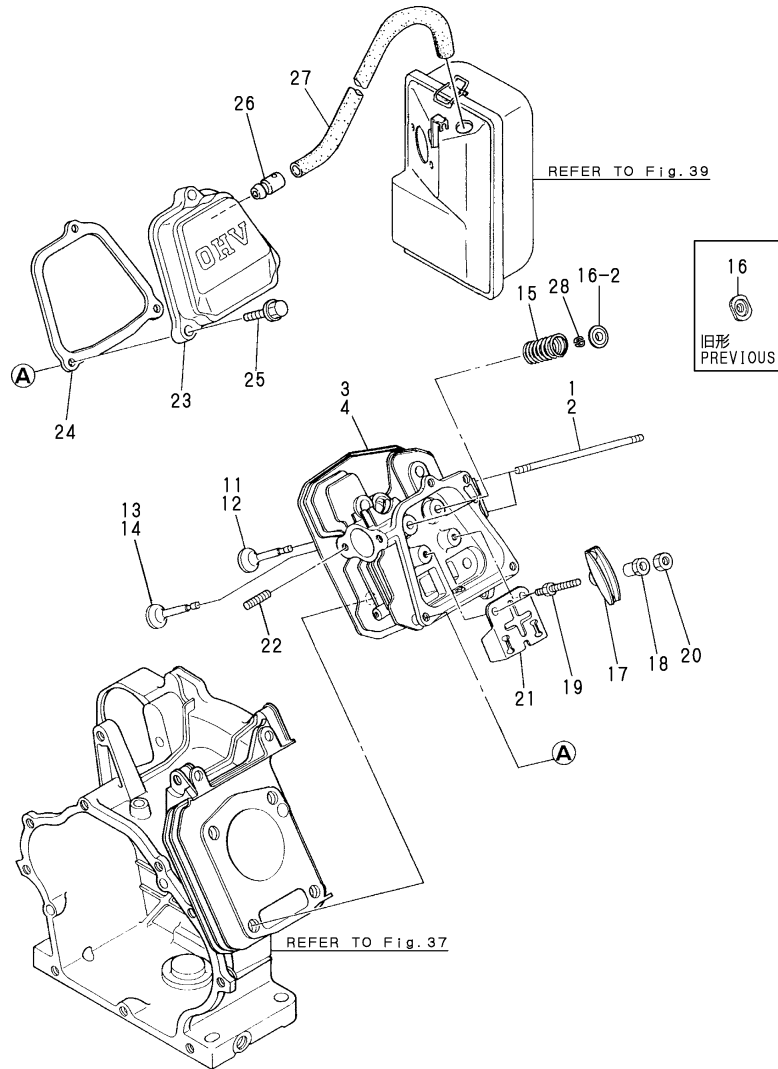


(A)=
(B)=
(C)=GA220D
(D)=GA280D
(E)=GA300D
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	760790-01560	BLOCK ASSY, CYLINDER			1					
1-1	1	760790-01561	BLOCK ASSY, CYLINDER (C=E/#44865)			1					R 1
2	1	760890-01560	BLOCK ASSY, CYLINDER				1				
2-1	1	760890-01561	BLOCK ASSY, CYLINDER (D=*1998.10)				1				N
3	1	760990-01560	BLOCK ASSY, CYLINDER							1	
3-1	1	760990-01561	BLOCK ASSY, CYLINDER (E=*1998.10)					1			N 1
10	2	160610-01690	PLUG, M12			2	2	2			
11	2	104200-59170	GASKET, 12			2	2	2			
12	2	22312-080120	PIN, PARALLEL M8X12			2	2	2			
12-1	2	114270-01600	PIN, M8X12 (C=E/#37618) (D=*1994.02) (E=*1994.02)			2	2	2			R
13	2	160110-02220	SEAL, OIL			1	1	1			
14	2	24101-062060	BEARING, BALL 6206C3			1	1	1			
14-1	2	129900-26250	BEARING, BALL 6206C3 (C=*2001.07) (D=*2001.07) (E=*2001.07)			1	1	1			N
14A	2	160903-28020	BEARING, 6202C3E			1	1	1			
15	1	160890-01210	BOLT, FLANGE M10X70			4	4	4			
16	1	160790-01330	GASKET, HEAD			1					
16-1	1	160790-01331	GASKET, HEAD (C=*2001.08)			1					N
17	1	160890-01330	GASKET, HEAD					1			
17-1	1	160890-01331	GASKET, HEAD (D=*2001.08)					1			N
18	1	160990-01330	GASKET, HEAD						1		
18-1	1	160990-01331	GASKET, HEAD (E=*2001.08)						1		N
19	1	760994-01500	COVER ASSY			1					
19-1	1	760894-01510	COVER ASSY (C=E/#44865)			1					R
19-2	1	760894-01511	COVER ASSY (C=*1997.08)			1					R
19-3	1	760894-01530	COVER ASSY (C=*1998.04)			1					R
20	1	760994-01501	COVER ASSY					1	1		
23	2	24101-062060	BEARING, BALL 6206C3			1	1	1			
23-1	2	129900-26250	BEARING, BALL 6206C3 (C=*2001.07) (D=*2001.07) (E=*2001.07)			1	1	1			N
23A	2	160903-28020	BEARING, 6202C3E			1	1	1			
24	2	160110-02220	SEAL, OIL			1	1	1			
26	1	160810-01740	CAP ASSY			2	2	2			
28	2	24311-000180	O-RING, 1AP18.0			2	2	2			
29	1	26106-080302	BOLT, M8X 30 PLATED			9	9	9			

Remarks
(1) REAR COVER UNIFIED

Fig.38. CYLINDER HEAD & BONNET

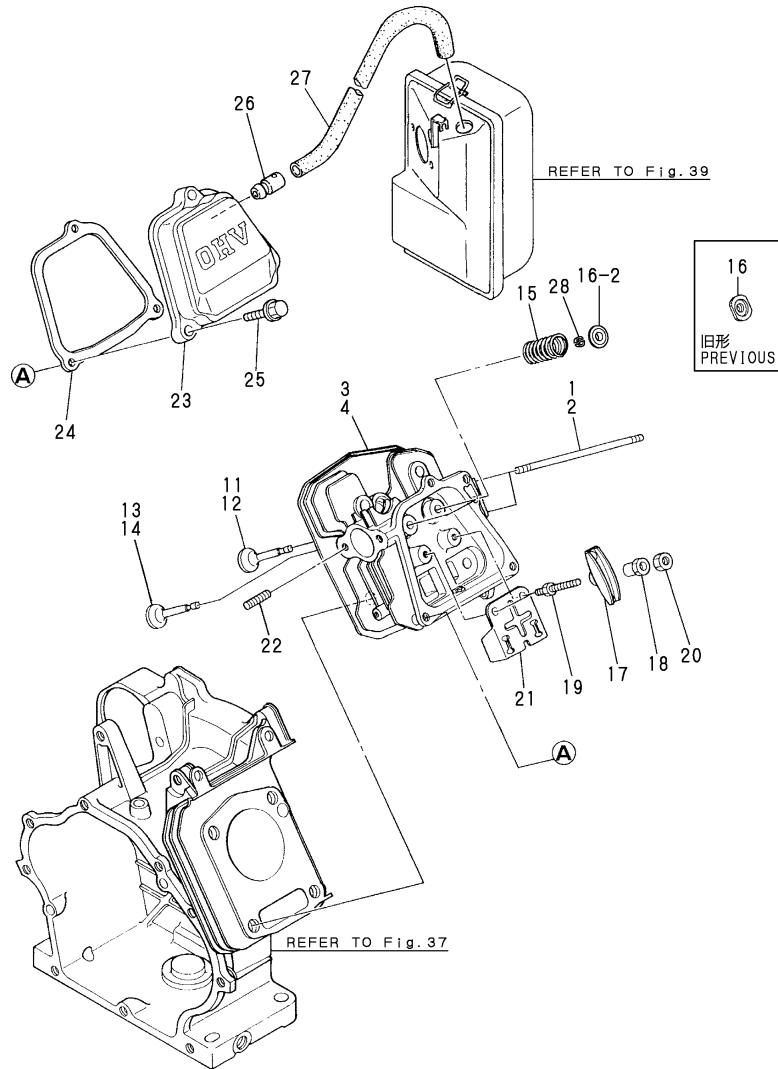


Remarks
 (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.3-1,11-1,13-1,16-2,22-1 AND 28.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.4-1,12-1,14-1,16-2,22-1 AND 28.
 (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.16-1,17-1,18-1 AND 19-2.

(A)=
 (B)=
 (C)=GA220D
 (D)=GA280D
 (E)=GA300D
 (F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160790-04600	BOLT, M6X75			2					
2	1	26266-080802	BOLT 8X 85				2	2			
2-1	1	26226-080802	STUD, M8X 80				2	2			N
2-2	1	160890-04320	STUD, M8X 85	(D=*1998.10)	(E=*1998.10)		2	2			R
3	1	160790-11010	HEAD ASSY, CYLINDER			1					
3-1	1	160790-11011	HEAD ASSY, CYLINDER (C=*2001.03)			1					F 1
4	1	160890-11010	HEAD ASSY, CYLINDER				1	1			
4-1	1	160890-11011	HEAD ASSY, CYLINDER (D=*2001.03)		(E=*2001.03)		1	1			F 2
11	1	160790-11100	VALVE, INTAKE			1					
11-1	1	160790-11101	VALVE, INTAKE (C=*2001.03)			1					S
12	1	160890-11100	VALVE, INTAKE				1	1			
12-1	1	160890-11101	VALVE, INTAKE (D=*2001.03)		(E=*2001.03)		1	1			S
13	1	160790-11110	VALVE, EXHAUST			1					
13-1	1	160790-11111	VALVE, EXHAUST (C=*2001.03)			1					S
14	1	160890-11110	VALVE, EXHAUST				1	1			
14-1	1	160890-11111	VALVE, EXHAUST (D=*2001.03)		(E=*2001.03)		1	1			S
15	1	160890-11120	SPRING, VALVE			2	2	2			
16	1	160810-11180	RETAINER, SPRING			2	2	2			
16-1	1	160890-11180	RETAINER, SPRING (C=*1997.05)	(D=*1997.05)	(E=*1997.05)	2	2	2			S 3
16-2	1	160890-11190	RETAINER, SPRING (C=*2001.03)	(D=*2001.03)	(E=*2001.03)	2	2	2			S
17	1	160890-11200	ARM, ROCKER			2	2	2			
17-1	1	160890-11202	ARM, ROCKER (C=*1997.05)	(D=*1997.05)	(E=*1997.05)	2	2	2			S 3
18	1	160690-11220	PIVOT, ROCKER ARM			2	2	2			
18-1	1	160690-11221	PIVOT, ROCKER ARM (C=*1997.05)	(D=*1997.05)	(E=*1997.05)	2	2	2			S 3
18-2	1	160690-11222	PIVOT, ROCKER ARM (C=*2002.10)	(D=*2002.10)	(E=*2002.10)	2	2	2			R
19	1	160690-11270	BOLT			2	2	2			
19-1	1	160690-11271	BOLT (C=E/#22643)	(D=E/#02406)	(E=E/#02154)	2	2	2			N
19-2	1	160890-11270	BOLT (C=*1997.05)	(D=*1997.05)	(E=*1997.05)	2	2	2			S 3
20	1	160690-11280	NUT, M6X0.5			2	2	2			
21	1	160890-11290	PLATE, GUIDE			1	1	1			
22	1	26216-080182	STUD, M8X 18			2	2	2			
22-1	1	26226-080182	STUD, M8X 18 (C=*2001.03)	(D=*2001.03)	(E=*2001.03)	2	2	2			S
22-2	1	160890-04330	STUD, 2D8X18 (C=*2001.03)	(D=*2001.03)	(E=*2001.03)	2	2	2			R
23	1	160890-11300	BONNET ASSY, HEAD			1	1	1			

Fig.38. CYLINDER HEAD & BONNET



(A)=
(B)=
(C)=GA220D
(D)=GA280D
(E)=GA300D
(F)=

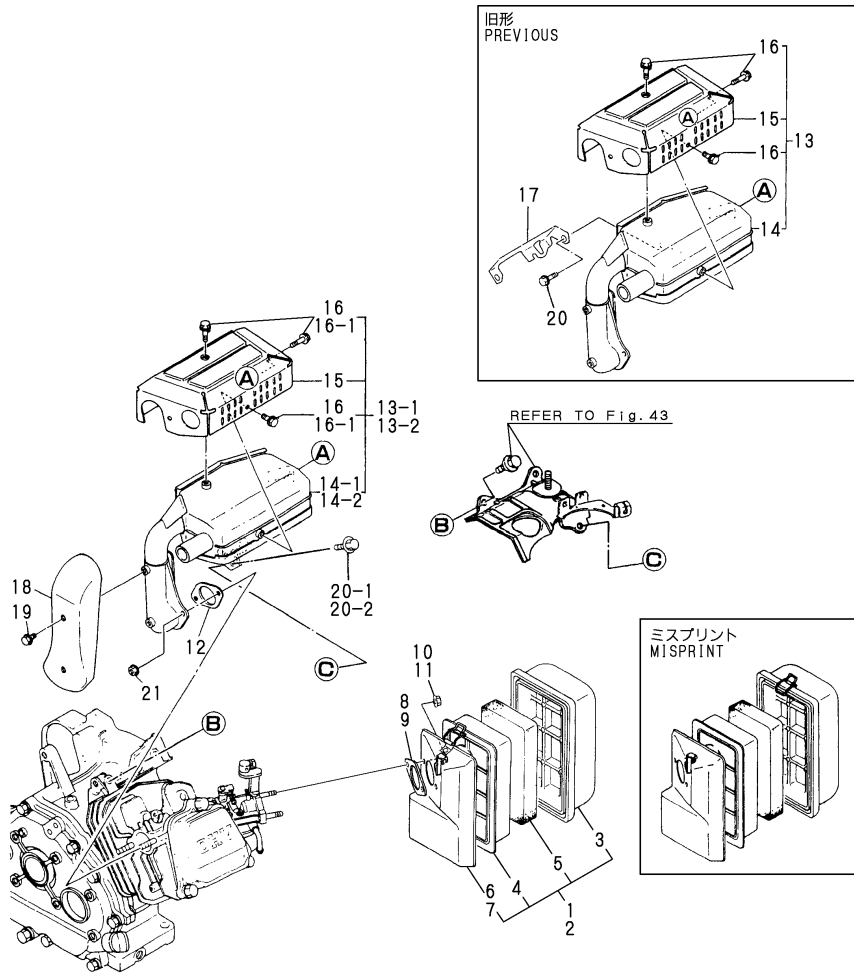
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24	1	160890-11310	GASKET, BONNET			1	1	1			
24-1	1	160890-11311	GASKET, BONNET (C=*2001.04) (D=*2001.04) (E=*2001.04)			1	1	1			R
25	1	26106-060352	BOLT, M6X 35 PLATED			3	3	3			
26	1	160610-03050	BREATHER ASSY			1	1	1			
27	1	160820-03180	PIPE, BREATHER			1	1	1			
28	1	120380-11350	COTTER, 7 (C=*2001.03) (D=*2001.03) (E=*2001.03)			4	4	4			W

Remarks

- (1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.3-1,11-1,13-1, 16-2,22-1 AND 28.
- (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.4-1,12-1,14-1, 16-2,22-1 AND 28.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.16-1,17-1,18-1 AND 19-2.

Fig.39. AIR CLEANER & MUFFLER

P/C NEWS No:Y00A2163-2
PUBLISHED:2004/9



(A)=
(B)=
(C)=GA220D

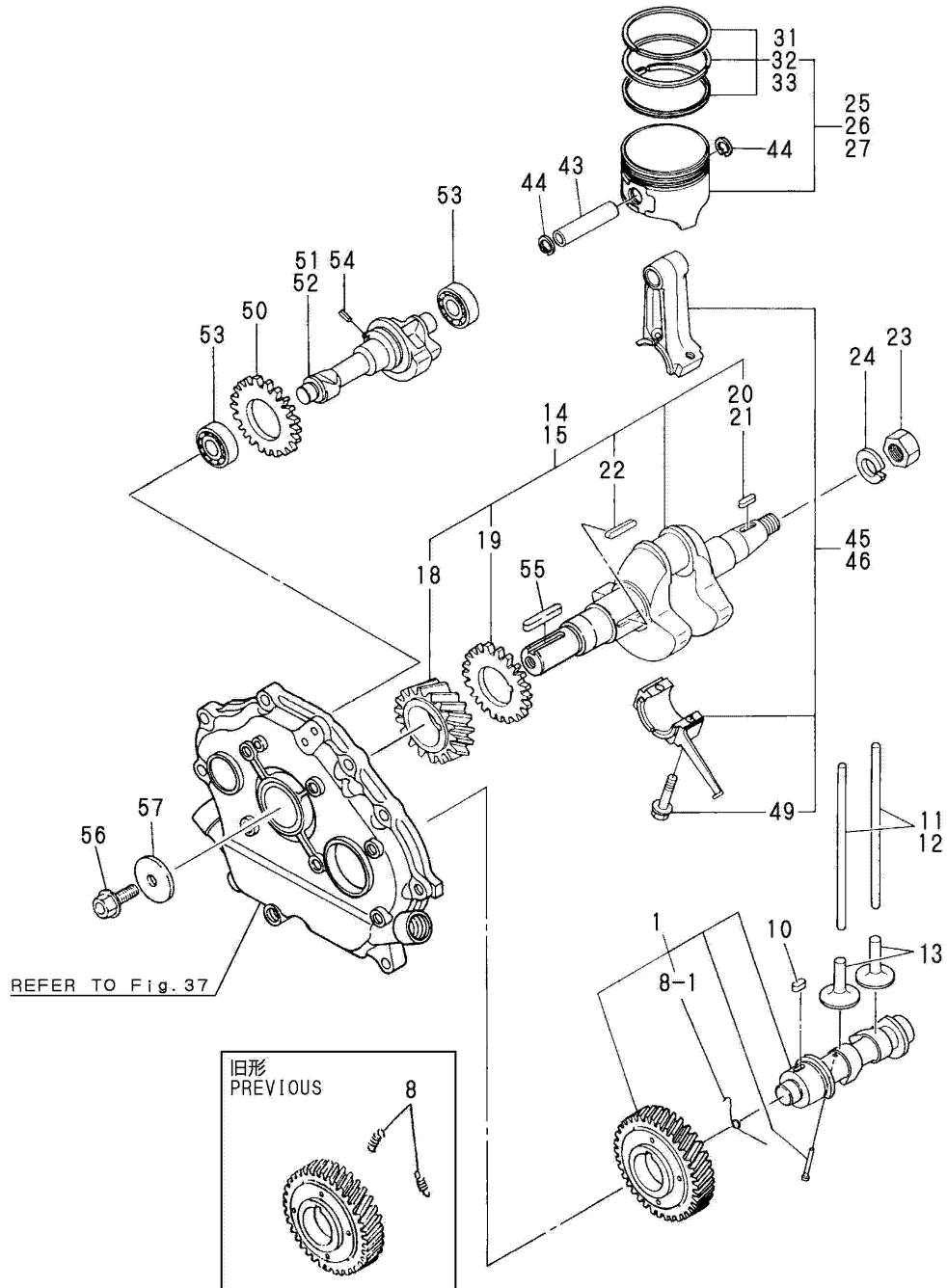
(D)=GA280D
(E)=GA300D
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160790-12500	CLEANER ASSY, AIR			1					
2	1	160890-12500	CLEANER ASSY, AIR				1	1	1		
3	2	160790-12510	COVER, AIR CLEANER			1	1	1			
4	2	160790-12530	HOLDER, ELEMENT			1	1	1			
5	2	160790-12540	ELEMENT			1	1	1			
6	2	160790-12520	CASE			1					
7	2	160890-12520	CASE, AIR CLEANER				1	1			
8	1	160810-56150	GASKET, CARBURETOR			1					
8-1	1	160810-56151	GASKET, CARBURETOR			1					N
9	1	160910-56150	GASKET, CARBURETOR					1	1		
9-1	1	160910-56151	GASKET, CARBURETOR					1	1		N
10	1	26366-060002	NUT, M6	(D=*1998.11)	(E=*1998.11)	2					
11	1	26366-080002	NUT, M8				2	2			
12	1	160890-13210	GASKET, MUFFLER			1	1	1			
12-1	1	160890-13211	GASKET, MUFFLER	(C=*2002.08)	(D=*2002.08)	1	1	1			N
13	1	160890-13600	SILENCER			1	1	1			
13-1	1	160890-13601	MUFFLER ASSY	(C=E/#20378)	(D=E/#02406)	1	1	1			S 1
13-2	1	160890-13602	MUFFLER ASSY	(C=*2001.03)	(D=*2001.03)	1	1	1			N
13-3	1	160890-13603	MUFFLER ASSY	(C=*2009.04)	(D=*2009.04)	1	1	1			N
14	2	160890-13500	SILENCER			1	1	1			
14-1	2	160890-13501	MUFFLER	(C=*1991.06)	(D=*1991.06)	1	1	1			S 1
14-2	2	160890-13580	MUFFLER	(C=*2001.03)	(D=*2001.03)	1	1	1			N
14-3	2	160890-13581	MUFFLER	(C=*2009.04)	(D=*2009.04)	1	1	1			N
15	2	160890-13530	COVER			1	1	1			
16	2	26106-060082	BOLT, M6X 8 PLATED			4	4	4			
16-1	2	114252-13950	BOLT, M6X8	(C=*2001.03)	(D=*2001.03)	4	4	4			R
17	1	160890-13570	BRACKET, MUFFLER	(C=E/#20378)	(D=E/#02406)	1	1	1			Z
18	1	160890-13660	COVER			1	1	1			
19	1	114252-13950	BOLT, M6X8			2	2	2			
20	1	26106-080142	BOLT, M8X 14 PLATED			1	1	1			
20-1	1	26476-060162	SCREW, TAPPING M6X16	(C=E/#20378)	(D=E/#02406)	1	1	1			N
20-2	1	160890-13910	BOLT, FLANGE M6X20	(C=*1992.10)	(D=*1992.10)	1	1	1			N
21	1	26366-080002	NUT, M8			2	2	2			

Remarks

(1)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.43 NO.20-1.

Fig.40. CRANKSHAFT,PISTON & CAMSHAFT

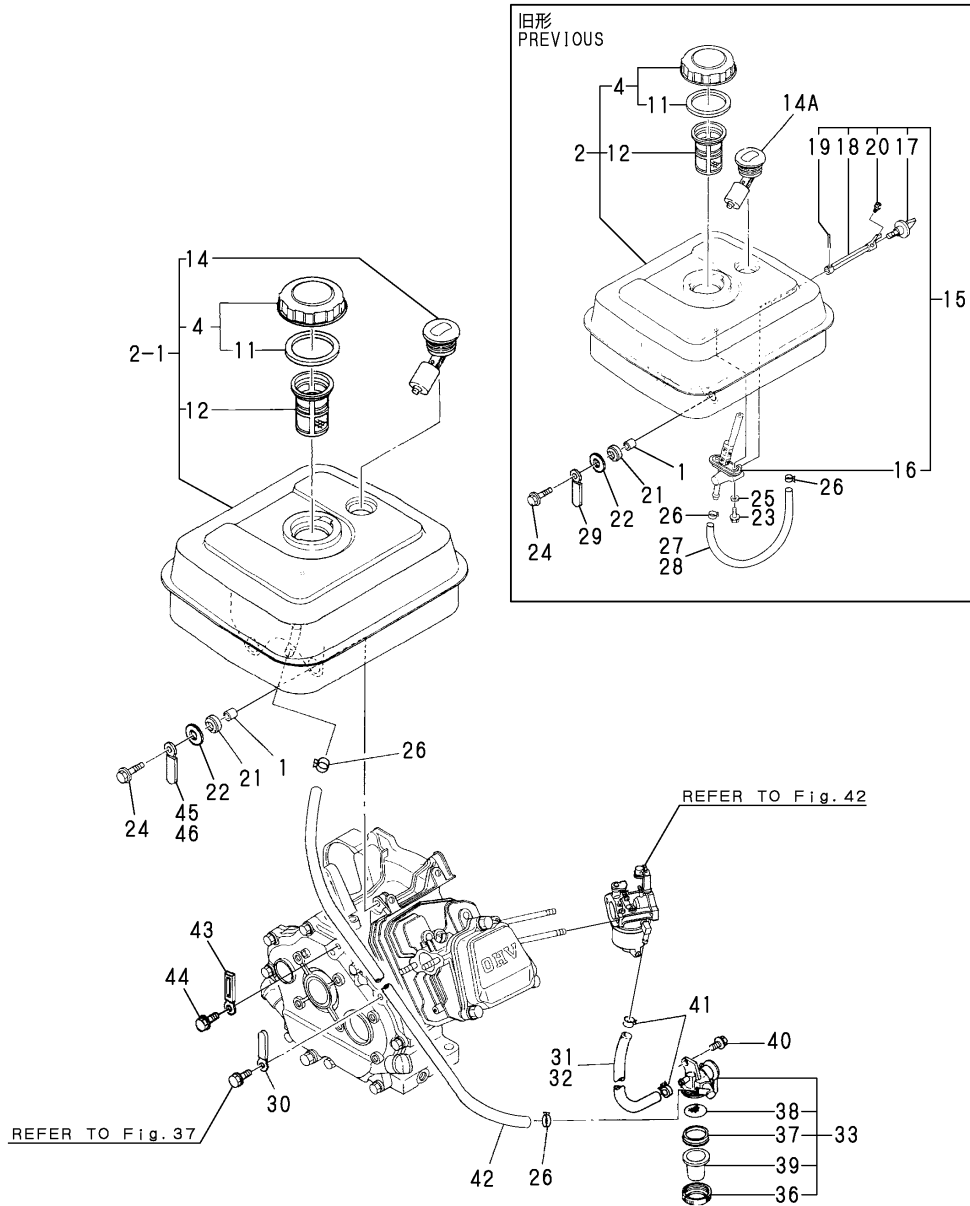


(A)= (D)=GA280D
 (B)= (E)=GA300D
 (C)=GA220D (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160994-14051	CAMSHAFT ASSY			1	1	1			
8	2	160790-14560	SPRING,DECOMPRESSION			2	2	2			
8-1	2	160890-14560	SPRING,DECOMPRESSION			1	1	1		S	
			(C=E/#20378) (D=E/#02406) (E=E/#02154)								
10	1	22512-050160	KEY, 5X 16			1	1	1			
11	1	114250-14400	ROD, PUSH			2					
12	1	160890-14400	ROD, PUSH				2	2			
13	1	160890-14200	TAPPET			2	2	2			
14	1	760794-21700	CRANKSHAFT ASSY			1					
15	1	760894-21700	CRANKSHAFT ASSY				1	1			
18	2	160890-21200	GEAR, CRANKSHAFT			1	1	1			
19	2	160890-21220	GEAR, BALANCER			1	1	1			
20	2	22512-040300	KEY, 4X 30			1					
21	2	22512-040160	KEY, 4X 16				1	1			
22	2	22512-040300	KEY, 4X 30			1	1	1			
23	1	26737-160002	NUT, M16			1	1	1			
24	1	22217-160000	WASHER, SPRING 16			1	1	1			
24-1	1	22137-160000	WASHER, 16			1	1	1		N	
			(C=E/#11307) (D=E/#02406) (E=*1991.10)								
25	1	160790-22011	PISTON ASSY			1					
26	1	160890-22010	PISTON ASSY				1				
26-1	1	160890-22011	PISTON ASSY				1			N	
			(D=*1993.07)								
27	1	160990-22011	PISTON ASSY					1			
31	2	760794-22500	RING SET, PISTON			1					
31-1	2	760794-22501	RING SET, PISTON			1				S	
			(C=E/#12154)								
32	2	760890-22500	RING SET, PISTON				1				
33	2	760810-22510	RING SET, PISTON					1			
33-1	2	760810-22511	RING SET, PISTON					1		S	
			(E=E/#01598)								
43	1	160890-22300	PIN, PISTON			1	1	1			
44	1	22252-000190	RING, 19			2	2	2			
45	1	760790-23700	ROD ASSY, CONNECTING			1					
46	1	760890-23700	ROD ASSY, CONNECTING				1	1			
49	2	160810-23201	BOLT, CONNECTING ROD			2	2	2			
50	1	160890-21220	GEAR, BALANCER			1	1	1			
51	1	160790-28010	SHAFT, BALANCER			1					
52	1	160890-28010	SHAFT, BALANCER				1	1			
53	1	160903-28020	BEARING, 6202C3E			2	2	2			
54	1	22351-040008	PIN, SPRING 4.0X 8			1	1	1			
55	1	22512-070380	KEY, 7X 38			1	1	1			
56	1	26106-080202	BOLT, M8X 20 PLATED			1	1	1			
57	1	160310-14550	WASHER			1	1	1			

Fig.41. FUEL TANK & FUEL PIPE

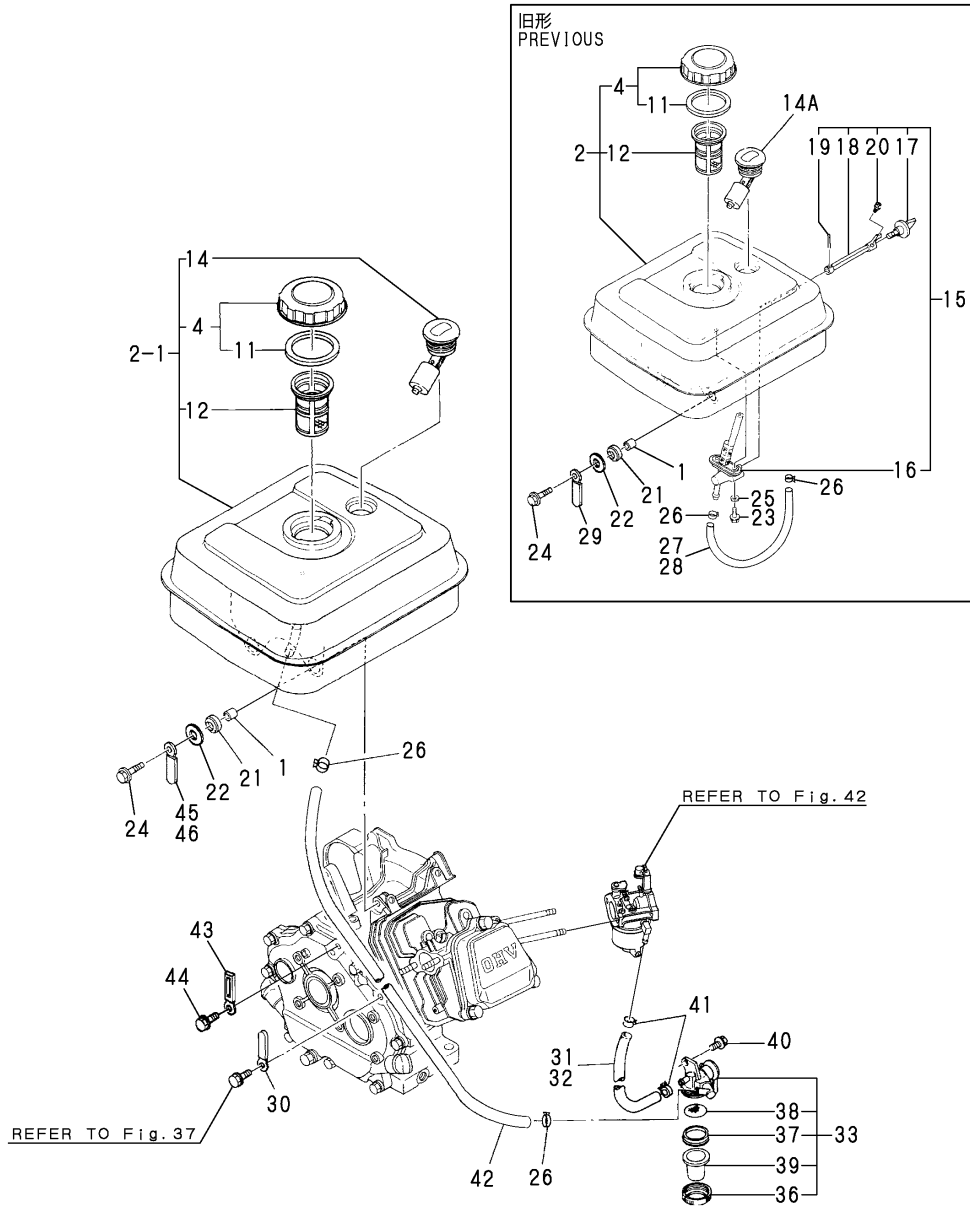
(A)= (D)=GA280D
 (B)= (E)=GA300D
 (C)=GA220D (F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-45310	COLLAR			4	4	4			
2	1	760890-55700	TANK ASSY, FUEL			1	1	1			
2-1	1	760890-55730	TANK ASSY, FUEL			1	1	1		S 1	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
4	2	160710-55061	CAP ASSY			1	1	1			
11	3	160393-55050	GASKET			1	1	1			
12	2	160610-55100	FILTER, FUEL			1	1	1			
14	2	160762-55150	GAUGE, FUEL			1	1	1			
14A	1	160762-55150	GAUGE, FUEL			1	1	1			
15	1	160690-55300	COCK ASSY, FUEL			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
16	2	160690-55310	COCK ASSY, FUEL			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
17	2	160690-55320	LEVER			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
18	2	160690-55330	SHAFT			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
19	2	22417-200200	PIN, COTTER 2.0X20			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
20	2	26557-040102	SCREW, M4X10			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
21	1	160690-55460	DAMPER, FUEL TANK			4	4	4			
21-1	1	160690-55461	DAMPER, FUEL TANK			4	4	4		N	
			(C=*1995.09) (D=*1995.09) (E=*1995.09)								
21-2	1	160690-55462	DAMPER, FUEL TANK			4	4	4		R	
			(C=*2001.10) (D=*2001.10) (E=*2001.10)								
22	1	160610-55470	WASHER			4	4	4		Z	
			(C=E/#37625) (D=*1994.05) (E=*1994.05)								
23	1	26106-060142	BOLT, M6X 14 PLATED			2	2	2		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
24	1	26476-060252	SCREW, TAPPING M6X25			4	4	4			
24-1	1	114370-45350	BOLT			4	4	4		N	
			(C=E/#37625) (D=*1994.05) (E=*1994.05)								
24-2	1	160690-55140	BOLT			4	4	4		R	
			(C=*1997.08) (D=*1997.08) (E=*1997.08)								
25	1	43400-500400	SEAL WASHER 6			2	2	2		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
26	1	106990-44660	CLIP, HOSE 12.5			2	2	2			
27	1	160790-59360	HOSE, FUEL A-535			1				Z	
			(C=*1993.02)								
28	1	160890-59360	PIPE, FUEL				1	1		Z	
			(D=*1993.02) (E=*1993.02)								
29	1	160802-78270	CLAMP, CORD			1	1	1		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
30	1	160820-78710	CLAMP, CORD			1	1	1			
31	1	160792-59360	PIPE, FUEL			1				W	
			(C=*1993.02)								
31-1	1	160792-59361	HOSE, FUEL B-180			1				N	
			(C=*2000.06)								
32	1	160769-59370	PIPE, FUEL L=203				1	1		W	
			(D=*1993.02) (E=*1993.02)								

Remarks
 (1)OUTLET PIPE UNIFIED
 (2)INTERCHANGEABILITY IS <S> WITH NO.15.

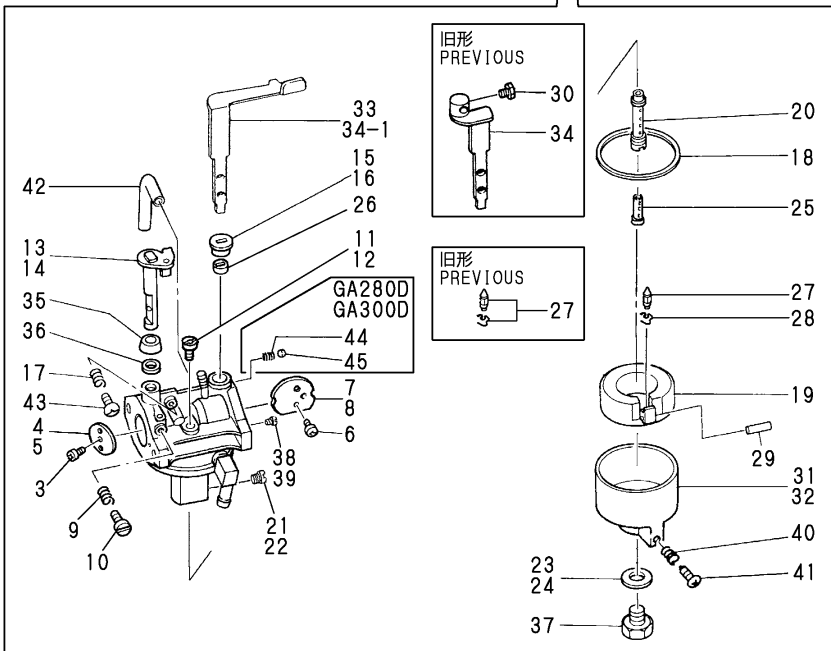
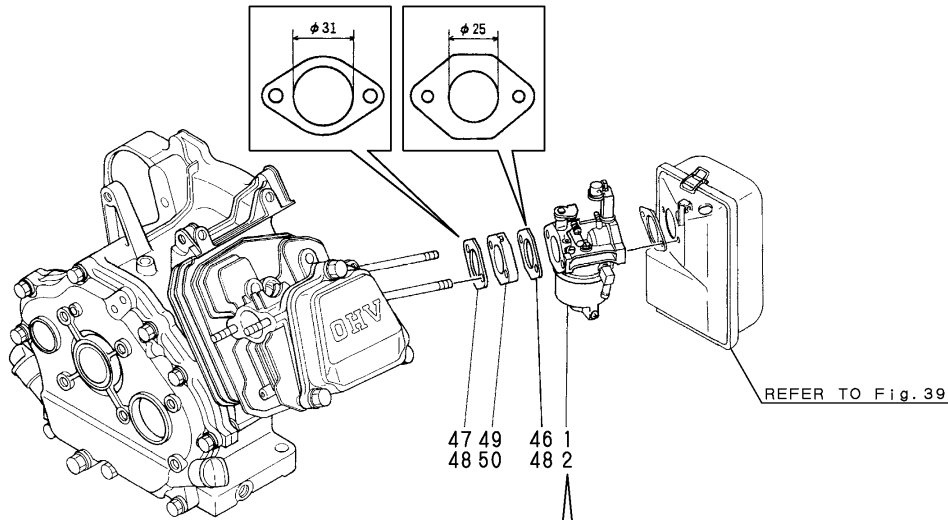
Fig.41. FUEL TANK & FUEL PIPE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32-1	1	160769-59371	PIPE, FUEL L=203 (D=*2000.06)		(E=*2000.06)		1	1			N
33	1	160692-55330	COCK ASSY, FUEL (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W 2
36	2	160710-55360	RING (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
37	2	160710-55370	GASKET (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
38	2	160710-55382	FILTER (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
39	2	160998-55390	BOWL, STRAINER (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
40	1	26106-060102	BOLT, M6X 10 PLATED (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
41	1	124060-77680	CLIP, HOSE 10 (C=*1993.02) (D=*1993.02)		(E=*1993.02)		2	2	2		W
41-1	1	119520-03990	CLIP, HOSE 10.5 (C=*2001.06) (D=*2001.06)		(E=*2001.06)		2	2	2		R
42	1	160920-59350	PIPE, FUEL (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W
42-1	1	160920-59351	HOSE, FUEL A-510 (C=*2000.06) (D=*2000.06)		(E=*2000.06)		1	1	1		N
43	1	160260-78700	CLAMP (D=*1993.02) (E=*1993.02)				1	1			W
44	1	26106-060082	BOLT, M6X 8 PLATED (D=*1993.02) (E=*1993.02)				1	1			W
45	1	160802-78270	CLAMP, CORD (D=*1993.02) (E=*1993.02)				1	1			W
46	1	160710-78710	CLAMP, CORD (C=*1993.02) (D=*1993.02)		(E=*1993.02)		1	1	1		W

Remarks
 (1)OUTLET PIPE UNIFIED
 (2)INTERCHANGEABILITY IS <S> WITH NO.15.

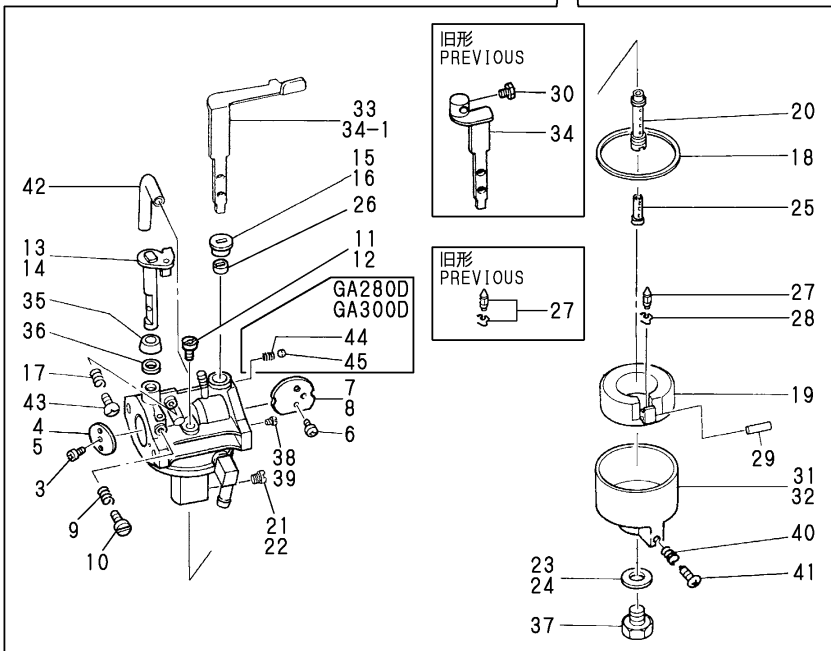
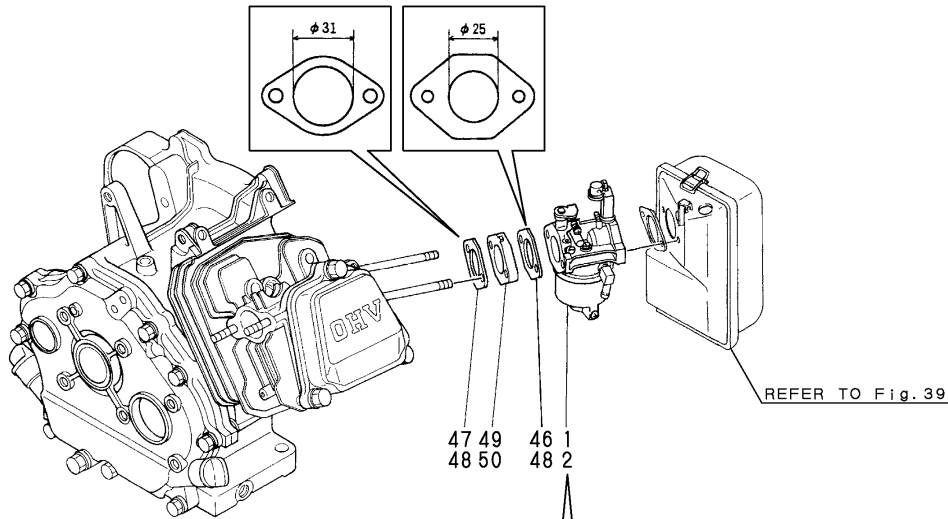
Fig.42. CARBURETOR



Remarks
 (1) LOCATION OF FUEL COCK CHANGED.
 (2) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	160790-56020	CARBURETOR ASSY			1						
1-1	1	160790-56040	CARBURETOR ASSY (C=*1993.02)			1					S	1
1-2	1	160790-57020	CARBURETOR ASSY (C=*2003.01)			1						N
2	1	160890-56020	CARBURETOR ASSY				1	1				
2-1	1	160890-56040	CARBURETOR ASSY (D=*1993.02) (E=*1993.02)			1	1				S	1
3	2	160120-56670	SCREW			2	2	2				
3-1	2	160690-56560	SCREW (C=*1993.02) (D=*1993.02) (E=*1993.02)			2	2	2			S	
4	2	160880-56761	VALVE, THROTTLE			1						
5	2	160992-56520	VALVE, THROTTLE				1	1				
6	2	160903-56670	SCREW			2	2	2				
6-1	2	160690-56570	SCREW (C=*1993.02) (D=*1993.02) (E=*1993.02)			2	2	2				N
7	2	160792-56520	VALVE, CHOKE			1						
8	2	160992-56530	VALVE, CHOKE				1	1				
9	2	181230-56380	SPRING			1	1	1				
10	2	160667-56750	ADJUSTER			1	1	1				
11	2	160460-56940	JET, PILOT			1						
12	2	160880-56740	JET, PILOT				1	1				
12-1	2	160692-56540	JET, PILOT (D=*1993.02) (E=*1993.02)				1	1				N
13	2	160792-56530	SHAFT, THROTTLE			1						
14	2	160992-56550	SHAFT, THROTTLE				1	1				
15	2	160792-56540	RING			1						
16	2	160810-56590	RING, CHOKE LEVER				1	1	1			
17	2	181230-56380	SPRING			1	1	1				
18	2	160210-56610	WASHER			1	1	1				
19	2	160810-56620	FLOAT ASSY			1	1	1				
19-1	2	160890-56620	FLOAT ASSY (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1			S	
20	2	160790-56550	NOZZLE, MAIN			1	1	1				
20A-1	2	160790-56551	NOZZLE, MAIN (C=*1993.02)			1					S	
20B-1	2	160998-56550	NOZZLE, MAIN (D=*1993.02) (E=*1993.02)				1	1			S	
21	2	160790-56560	JET, ENRICHMENT			1						
21-1	2	160793-56581	JET, ENRICHMENT (C=*1993.02)			1					S	
22	2	160792-56570	JET, ENRICHMENT				1	1				
22-1	2	160792-56571	JET, MAIN (D=*1993.02) (E=*1993.02)				1	1			S	
23	2	160120-56721	GASKET			1						
24	2	160910-56550	WASHER				1	1				
24-1	2	160120-56600	GASKET (D=*1993.02) (E=*1993.02)				1	1			S	
25	2	160790-56570	NOZZLE			1	1	1				
25-1	2	160790-56571	NOZZLE (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1			S	

Fig.42. CARBURETOR

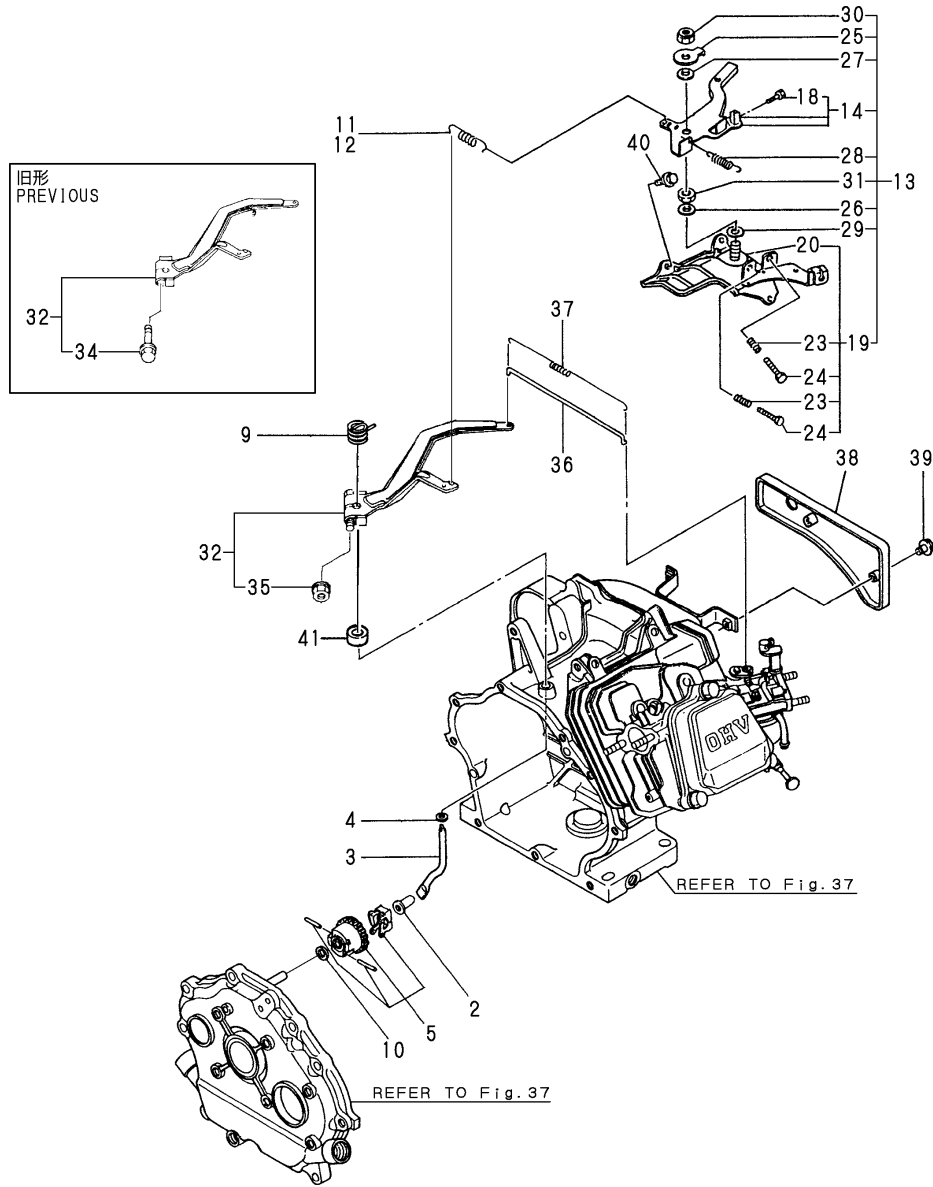


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
26	2	160810-56580	RING, CHOKE SHAFT			1	1	1			
27	2	160792-56670	VALVE ASSY, NEEDLE			1	1	1			2
27-1	2	160890-56790	VALVE, INJECTION			1	1	1			S
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
28	2	160790-56540	CLIP			1	1	1			
28-1	2	160692-56750	CLIP			1	1	1			S
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
29	2	160610-56630	PIN, FLOAT			1	1	1			
29-1	2	160690-56630	PIN, FLOAT				1	1			S
			(D=*1993.02) (E=*1993.02)								
30	2	26117-040088	BOLT M 4X 8 PLATED			1	1	1			Z
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
31	2	160790-56590	BODY, FLOAT			1					
32	2	160890-56430	BODY, FLOAT				1	1			
33	2	160790-56950	LEVER, CHOKE			1					
34	2	160890-56520	LEVER, CHOKE				1	1			
34-1	2	160998-56602	LEVER, CHOKE				1	1			S
			(D=*1993.02) (E=*1993.02)								
35	2	160702-56720	RING			1	1	1			
36	2	160640-56850	SEAL			1	1	1			
37	2	160790-56610	BOLT			1	1	1			
38	2	160792-56610	JET, PILOT			1					
39	2	160890-56610	JET, PILOT				1	1			
40	2	181230-56380	SPRING			1	1	1			
41	2	160610-56900	SCREW			1	1	1			
42	2	160692-56770	HOSE			1					
43	2	160692-56710	SCREW			1	1	1			
44	2	160310-56980	SPRING, CHOKE				1	1			
45	2	160310-56990	BALL, STEEL				1	1			
46	1	160790-56150	GASKET, CARBURETOR			1					
46-1	1	160790-56151	GASKET, CARBURETOR			1					N
			(C=*1998.11)								
47	1	160810-56150	GASKET, CARBURETOR			1					
47-1	1	160810-56151	GASKET, CARBURETOR			1					N
			(C=*1998.11)								
48	1	160910-56150	GASKET, CARBURETOR				2	2			
48-1	1	160910-56151	GASKET, CARBURETOR				2	2			N
			(D=*1998.11) (E=*1998.11)								
49	1	160790-56160	INSULATOR			1					
50	1	160890-56160	INSULATOR				1	1			

Remarks

- (1) LOCATION OF FUEL COCK CHANGED.
- (2) REPAIR PART.

Fig.43. GOVERNOR & CONTROL DEVICE



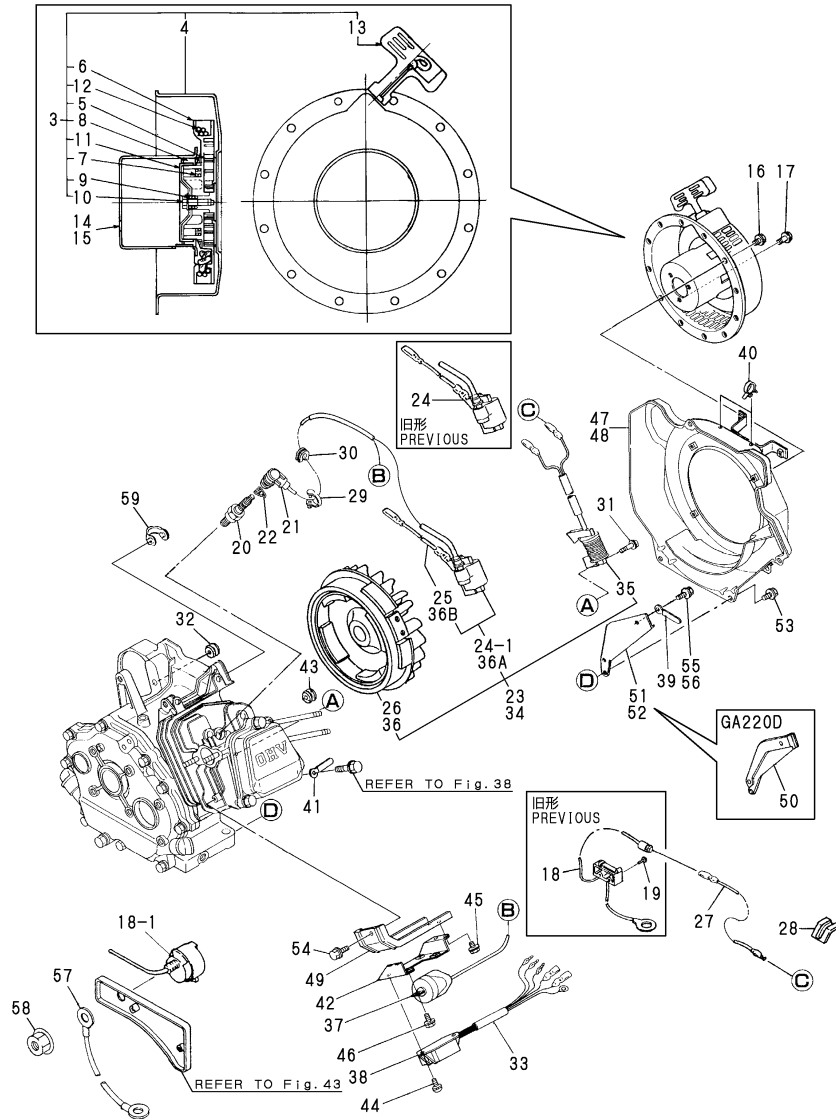
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	160690-61300	SPINDLE			1	1	1			
2-1	1	160690-61301	SPINDLE (C=E/#44865) (D=*1994.12) (E=*1994.12)			1	1	1			R
3	1	160690-61310	SHAFT			1	1	1			
3-1	1	160690-61311	SHAFT (C=E/#44866) (D=E/#36339) (E=*1995.11)			1	1	1			R
4	1	160690-61450	WASHER			1	1	1			
5	1	160690-61600	GEAR ASSY, GOVERNOR			1	1	1			
9	1	160890-66050	SPRING, RETURN			1	1	1			
10	1	160120-76940	WASHER			1	1	1			
11	1	160797-66010	SPRING, GOVERNOR			1					
11-1	1	160790-66010	SPRING, GOVERNOR (C=E/XXX)			1					N
12	1	160890-66010	SPRING, GOVERNOR				1	1			
13	1	160890-66101	CONTROLLER ASSY			1	1	1			
14	2	160890-66081	LEVER ASSY, CONTROL			1	1	1			
18	3	26117-040088	BOLT M 4X 8 PLATED			1	1	1			
19	2	160890-66110	BASE ASSY			1	1	1			
20	3	160890-66140	BASE ASSY			1	1	1			
20-1	3	160890-66141	BASE ASSY (C=E/#20378) (D=E/#02406) (E=E/#02154)			1	1	1			S 1
20-2	3	160890-66142	BASE ASSY (C=*1993.01) (D=*1993.01) (E=*1993.01)			1	1	1			N
23	3	160520-66291	SPRING			2	2	2			
24	3	26117-040257	BOLT, M4X 25 PLATED			2	2	2			
25	2	160690-66160	WASHER			1	1	1			
26	2	160664-66170	WASHER			1	1	1			
27	2	160664-66180	SPRING			1	1	1			
28	2	160664-66220	SPRING, RETURN			1	1	1			
29	2	22137-060000	WASHER, 6			1	1	1			
30	2	26347-060002	NUT, M6			1	1	1			
31	2	26757-060002	NUT, LOCK M6			1	1	1			
32	1	160890-66190	LEVER ASSY, GOVERNOR			1	1	1			
34	2	26106-060252	BOLT, M6X 25 PLATED (C=E/#44865) (D=*1994.06) (E=*1994.06)			1	1	1			Z
35	2	26366-060002	NUT, M6 (C=E/#44865) (D=*1994.06) (E=*1994.06)			1	1	1			W
36	1	160690-66200	LINK, THROTTLE			1	1	1			
37	1	160690-66210	SPRING, TENSION			1	1	1			
38	1	160890-66300	PANEL			1	1	1			
38-1	1	160890-66310	PANEL (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1			S 2
39	1	26106-060102	BOLT, M6X 10 PLATED			2	2	2			
39-1	1	26106-060162	BOLT, M6X 16 PLATED (C=E/XXX) (D=E/XXX) (E=E/XXX)			2	2	2			N
40	1	26476-060142	SCREW, TAPPING M6X14			3	3	3			
41	1	114770-61600	SEAL, OIL (C=E/#11307) (D=E/#02406) (E=E/#02154)			1	1	1			W

Remarks

- (1) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH FIG.39 NO.13-1.
- (2) SHAPE OF STOP SWITCH INSTALLING PART CHANGED.

Fig.44. FLY.MAGNETO & STARTING DEVICE

(A)= (D)=GA280D
 (B)= (E)=GA300D
 (C)=GA220D (F)=

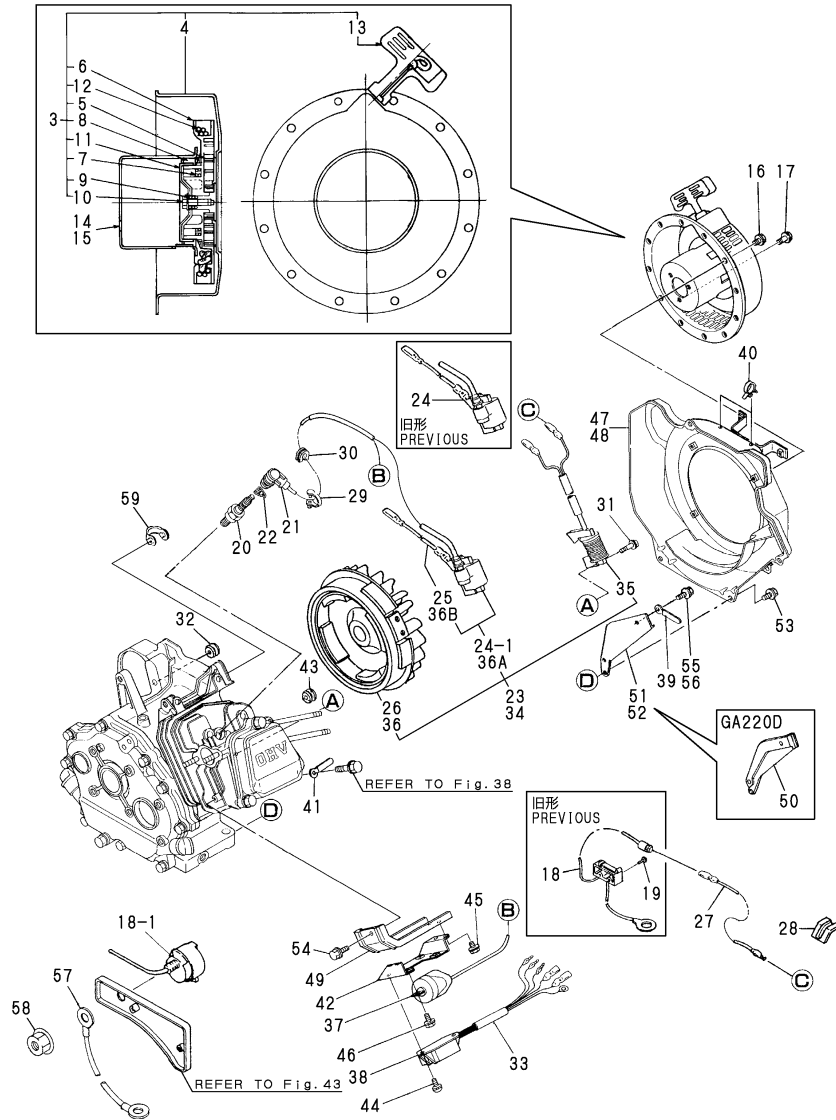


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	160794-76250	STARTER ASSY, RECOIL			1	1	1			
4	2	160794-76510	CASE, STARTER			1	1	1			
5	2	160890-76510	SPRING, SPIRAL			1	1	1			
6	2	160794-76520	REEL			1	1	1			
7	2	160641-76550	SPRING, DOG			3	3	3			
8	2	160890-76540	DOG			3	3	3			
9	2	160890-76550	SPRING, BRAKE			1	1	1			
10	2	160641-76570	SCREW			1	1	1			
11	2	160794-76570	RETAINER			1	1	1			
12	2	160890-76580	ROPE, STARTER			1	1	1			
13	2	160260-76620	KNOB, STARTER			1	1	1			
14	1	160794-76590	PULLEY, STARTER			1					
15	1	160894-76590	PULLEY, STARTER				1	1			
16	1	26106-060082	BOLT, M6X 8 PLATED			4	4	4			
17	1	26106-060122	BOLT, M6X 12 PLATED			3	3	3			
18	1	160690-77250	SWITCH, STOP			1	1	1			
18-1	1	160611-77250	SWITCH, STOP			1	1	1		S 1	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
19	1	22857-200100	SCREW, 2X10			2	2	2		Z	
			(C=*1993.02) (D=*1993.02) (E=*1993.02)								
20	1	160690-78010	PLUG, SPARK BP6ES			1	1	1			
20-1	1	160690-78020	PLUG, SPARK			1	1			N	
			(C=E/#27881) (D=E/#02406)								
20-2	1	160690-78030	PLUG, SPARK N11YC			1	1	1		N	
			(C=E/XXX) (D=E/XXX) (E=E/XXX)								
21	1	160700-78040	CAP, PLUG			1	1	1			
22	1	160700-78050	TERMINAL, PLUG			1	1	1			
23	1	160794-78051	MAGNETIC ASSY			1					
24	2	160797-78521	COIL, IGNITION			1					
24-1	2	160797-78522	COIL, IGNITION			1				N	
			(C=E/#15244)								
25	3	160690-78230	WIRE			1				W	
			(C=E/#15244)								
26	2	160794-78500	ROTOR			1					
27	1	160520-78200	WIRE, LEAD				1	1		Z	
			(D=E/XXX) (E=E/XXX)								
28	1	160560-78700	CLAMP			1				Z	
			(C=E/XXX)								
29	1	29610-000950	CLAMP, SPEED 095			1	1	1			
30	1	160700-78720	GROMMET			1	1	1			
31	1	26476-060252	SCREW, TAPPING M6X25			2	2	2			
31-1	1	160690-04350	BOLT, M6X30			2	2	2		R	
			(C=*2002.11) (D=*2002.11) (E=*2002.11)								
32	1	160341-01950	PIPE			1	1			Z	
			(D=*1999.03) (E=*1999.03)								
33	1	160810-03400	TUBE, PROTECT			1	1			Z	
			(D=*2000.07) (E=*2000.07)								
34	1	160894-78060	MAGNETIC ASSY			1	1				
34-1	1	160998-78070	MAGNETIC ASSY			1	1			F 2	
			(D=*2000.07) (E=*2000.07)								
35	2	160890-78520	COIL, EXCITER			1	1			Z	

Remarks
 (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.
 (3)FUEL COCK STAY ADDED
 (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.42-1 AND 49-1.

Fig.44. FLY.MAGNETO & STARTING DEVICE

(A)=
(B)=
(C)=GA220D
(D)=GA280D
(E)=GA300D
(F)=



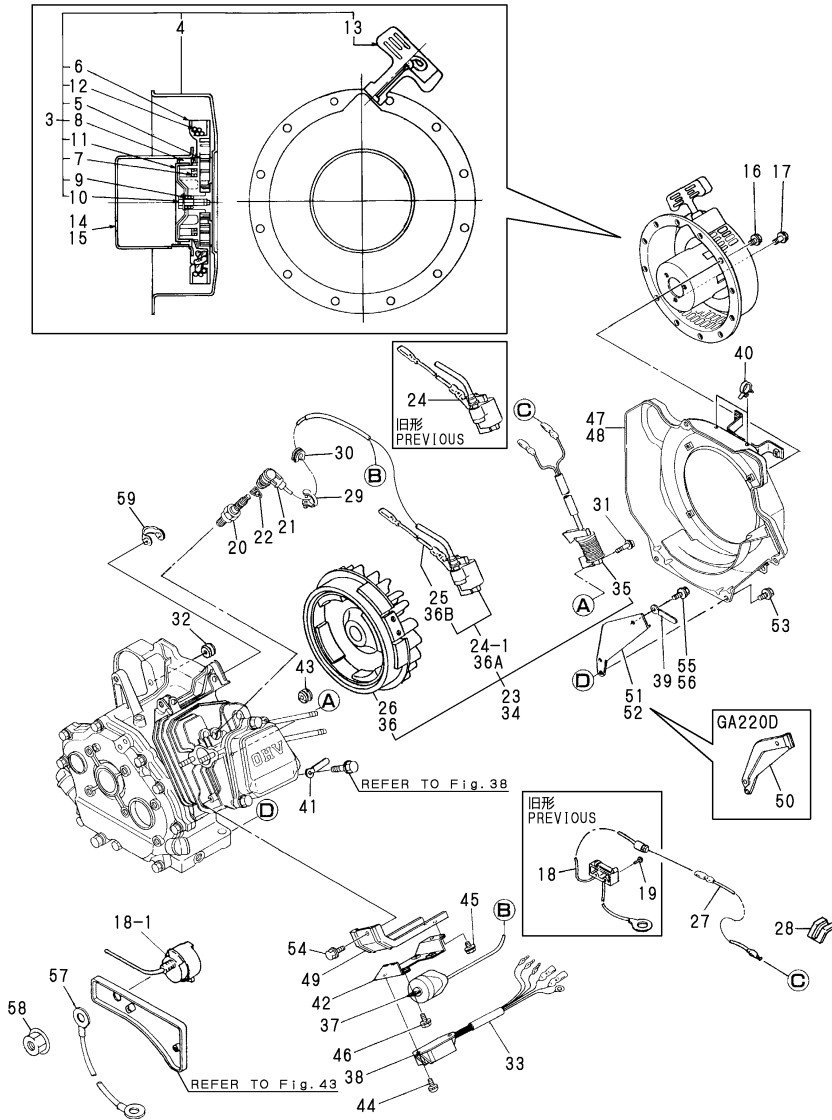
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
				(D=*2000.07)	(E=*2000.07)						
36	2	160894-78540	ROTOR				1	1			
36-1	2	160998-78530	ROTOR				1	1			S
				(D=*2000.07)	(E=*2000.07)						
36A	2	160797-78522	COIL, IGNITION				1	1			W
				(D=*2000.07)	(E=*2000.07)						
36B	3	160690-78230	WIRE				1	1			W
				(D=*2000.07)	(E=*2000.07)						
37	1	160890-78510	COIL, IGNITION				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
38	1	160890-78660	IGNITION, UNIT				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
39	1	160260-78700	CLAMP				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
40	1	160710-78700	CLAMP, CORD				2	2			Z
				(D=*2000.07)	(E=*2000.07)						
41	1	160710-78710	CLAMP, CORD				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
42	1	160890-78750	BRACKET, COIL				1	1			
42-1	1	160890-78751	BRACKET, COIL				1	1			S 4
				(D=E/#02406)	(E=E/#02154)						
42-2	1	160890-78751	BRACKET, COIL				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
43	1	160763-12600	GROMMET				1	1			Z
				(D=*2000.07)	(E=*2000.07)						
44	1	26023-060162	SCREW, M6X16				2	2			Z
				(D=*2000.07)	(E=*2000.07)						
45	1	26106-060102	BOLT, M6X 10 PLATED				2	2			Z
				(D=*2000.07)	(E=*2000.07)						
46	1	26106-060162	BOLT, M6X 16 PLATED				2	2			Z
				(D=*2000.07)	(E=*2000.07)						
47	1	160794-45100	CASE, COOLING FAN				1				
47-1	1	160794-45190-1	CASE, COOLING FAN				1				S 3
				(C=*1993.02)							
48	1	160894-45100-1	CASE, COOLING FAN				1	1			
48-1	1	160894-45110-1	CASE, COOLING FAN				1	1			S 3
				(D=*1993.02)	(E=*1993.02)						
48-2	1	160894-45111-1	CASE, COOLING FAN				1	1			R
				(D=*1998.02)	(E=*1998.02)						
49	1	160890-45200	COVER, HEAD				1	1	1		
49-1	1	160890-45230	COVER, HEAD				1	1			S 4
				(D=E/#02406)	(E=E/#02154)						
49-2	1	160890-45200	COVER, HEAD				1	1			S
				(D=*2000.07)	(E=*2000.07)						
50	1	160790-45210	COVER				1				Z
				(C=E/#44865)							
51	1	160890-45210	COVER				1	1			Z
				(D=*1998.10)	(E=*1998.10)						
52	1	160890-45240	COVER				1				W
				(D=*2002.01)							
53	1	26476-060142	SCREW, TAPPING M6X14				4	4	4		

Remarks
 (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.
 (3)FUEL COCK STAY ADDED
 (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.42-1 AND 49-1.

Fig.44. FLY.MAGNETO & STARTING DEVICE

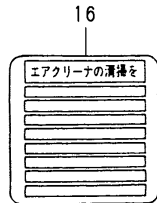
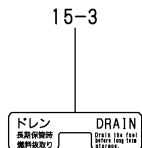
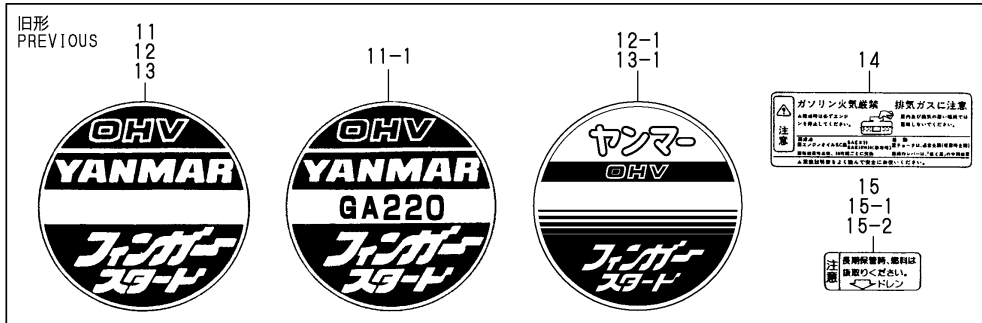
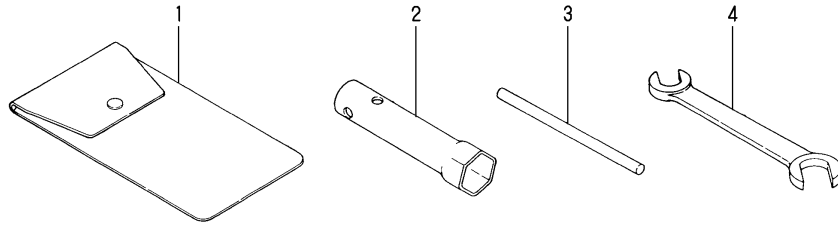
(A)= (D)=GA280D
 (B)= (E)=GA300D
 (C)=GA220D (F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
54	1	26476-060142	SCREW, TAPPING M6X14			2	2	2			
55	1	26476-060142	SCREW, TAPPING M6X14 (C=*1998.10) (D=*1998.10) (E=*1998.10)			1	1	1		Z	
56	1	26476-060142	SCREW, TAPPING M6X14 (D=*2002.01)					1		W	
57	1	160495-77260	WIRE (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1		W	
58	1	26366-080002	NUT, M8 (C=*1993.02) (D=*1993.02) (E=*1993.02)			1	1	1		W	
59	1	29610-000650	CLAMP, SPEED 065 (D=*2000.07) (E=*2000.07)					1	1	W	



Remarks
 (1)CHANGED FROM LEAD SWITCH TYPE TO ROTARY TYPE.
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.49-2.
 (3)FUEL COCK STAY ADDED
 (4)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH NO.42-1 AND 49-1.

Fig.45. TOOL & LABEL



(A)=
(B)=
(C)=GA220D

(D)=GA280D
(E)=GA300D
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160110-92610	BAG, TOOL			1	1	1			
2	1	160120-92700	WRENCH, 21 L86			1	1	1			
3	1	160110-92710	HANDLE, WRENCH			1	1	1			
4	1	28110-100120	SPANNER, 10X12			1	1	1			
11	1	160690-07100	LABEL, OHV MARK			1					
11-1	1	160790-07120	LABEL, OHV MARK			1					N
			(C=*1990.03)								
11-2	1	160790-07200	LABEL, FINGER START			1					N
			(C=*1996.11)								
12	1	160690-07100	LABEL, OHV MARK					1			
12-1	1	160890-07110	LABEL, FINGER START					1			N
			(D=*1996.10)								
12-2	1	160890-07150	LABEL, FINGER START					1			N
			(D=*2001.04)								
13	1	160690-07100	LABEL, OHV MARK						1		
13-1	1	160890-07110	LABEL, FINGER START						1		N
			(E=*1996.10)								
13-2	1	160990-07140	LABEL, OHV MARK						1		N
			(E=*2001.04)								
14	1	160690-07250	LABEL, CAUTION			1	1	1			
14-1	1	160692-07250	LABEL, CAUTION			1	1	1			N
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
14-2	1	160692-07251	LABEL, CAUTION			1	1	1			R
			(C=*2000.04)	(D=*2000.04)	(E=*2000.04)						
15	1	160520-07270	LABEL, DRAIN			1	1	1			
15-1	1	160520-07271	LABEL, DRAIN			1	1	1			N
			(C=E/#15041)	(D=E/#01661)	(E=E/#01772)						
15-2	1	160520-07272	LABEL, DRAIN			1	1	1			S 1
			(C=E/#27924)	(D=E/#02407)	(E=E/#02154)						
15-3	1	160690-07260	LABEL, DRAIN			1	1	1			R
			(C=*1998.11)	(D=*1998.11)	(E=*1998.11)						
16	1	160520-07370	LABEL, CLEANER			1	1	1			
17	1	1A2100-86500	LABEL, DANGER			1	1	1			W
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
17-1	1	160690-07320	LABEL, NO FIRE			1	1	1			R
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
18	1	1E5120-86600	WARNING, EXHAUST GAS			1	1	1			W
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
18-1	1	105250-07340	LABEL, EXH. GAS CAUTN			1	1	1			R
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
19	1	1E5120-86720	LABEL, CAUTION			1	1	1			W
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
19-1	1	105250-07330	LABEL			1	1	1			R
			(C=E/#44865)	(D=*1995.05)	(E=*1995.05)						
20	1	161690-07300	LABEL			1	1	1			W
			(C=*2003.01)	(D=*2003.01)	(E=*2003.01)						

Remarks
(1) LABEL COLOR CHANGED

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Parts No.	Fig. No.	Ref. No.
104200-59170	10	13
		28
	19	11
		25
	28	13
	25	A
105250-07330	37	11
	9	7 -1
	18	16 -1
	27	19 -1
105250-07340	36	16 -1
	45	19 -1
	18	15 -1
	27	18 -1
106990-44660	36	15 -1
	45	18 -1
	5	23
	14	27
114250-14400	23	26
	32	27
	41	26
	13	17
114250-21290	22	11
	31	17
	40	11
	4	8
114252-13800	14	1
	23	1
	32	1
	41	1
114252-13910	12	20
	21	23
	12	21
	21	24
114252-13950	12	16
		17
	21	17 -1
		20
114252-13960	30	12
		15
	39	16 -1
		19
114270-01600	12	22
	21	25
	1	4 -1
114299-01760	10	7 -1
	19	12 -1
	28	7 -1
	37	12 -1
	10	29 -1

Parts No.	Fig. No.	Ref. No.
114299-01760	28	26 -1
	10	31 -1
114299-01950	28	28 -1
	9	6 -1
114370-07110	14	25 -1
	23	24 -1
	32	25 -1
	41	24 -1
114770-61600	7	30
	16	44
	25	44
	34	43
119520-03990	43	41
	5	26 -1
	14	41 -1
	23	42 -1
120380-11350	32	40 -1
	41	41 -1
	20	28
	38	28
124060-77680	5	26
	14	41
	23	42
	32	40
129900-26250	41	41
	19	14 -1
		21 -1
		23 -1
160110-02220	37	14 -1
		23 -1
	19	13
		22
160110-92610	37	13
		24
	9	10
	18	1
160110-92710	27	1
	36	1
	45	1
	9	12
160120-56600	18	3
	27	3
	36	3
	45	3
160120-56670	24	24 -1
	42	24 -1
160120-56721	24	3
	42	3
160120-56940	24	23
	42	23

Parts No.	Fig. No.	Ref. No.
160120-76940	7	9
	16	9
	25	10
	34	9
	43	10
160120-92700	9	11
	18	2
	27	2
	36	2
	45	2
160210-56610	24	18
		23 -1
	42	18
160260-76620	26	12
	44	13
	5	13
160260-78700	14	30
	23	44
	26	43
160310-14550	32	29
	41	43
	44	39
	13	18
	22	56
160310-56980	31	18
	40	57
	15	16
	24	44
	33	16
160310-56990	42	44
	15	17
	24	45
	33	17
	42	45
160341-01950	8	39
	17	54
		54 -1
	26	34
	35	47
160370-78950	44	32
	35	13
	5	10
	14	13
	23	11
160393-55050	32	13
	41	11
	24	11
	42	11
	2	22

Parts No.	Fig. No.	Ref. No.
160490-01760	1	20 -1
160490-07120	9	2
160490-07130	9	2 -1
160490-11010	2	3
160490-11120	2	9
160490-11290	2	15
160490-11300	2	16
160490-11310	2	17
160490-11311	2	17 -1
160490-12500	3	2
160490-12520	3	3
160490-13500	3	10
160490-13530	3	11
160490-13550	3	9
160490-13780	3	12
160490-14050	4	1
160490-14200	4	10
	13	15 -1
	31	15
160490-14400	4	11
160490-22010	4	18
160490-22300	4	24
160490-23030	4	26
160490-45010	8	27 -1
160490-45110-1	8	28
160490-45140	8	28 -1
160490-45200	8	29
160490-45211	8	30
160490-45220	8	31
160490-45230	8	29 -1
160490-45240	8	30 -1
160490-56010	6	1
160490-56011	6	1 -1
160490-56590	6	10
160490-56600	6	11
160490-57020	6	1 -2
160490-59350	5	24
160490-59351	5	24 -1
160490-59360	5	25
160490-59361	5	25 -1
160490-66010	7	11
160490-66020	7	11 -1
160490-66190	7	20
160490-66200	7	25
160490-66211	7	26
160490-76250	8	2
160490-76251	8	2 -1
160490-76510	8	4
160490-76511	8	4 -1
160490-76580	8	15

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Parts No.	Fig. No.	Ref. No.
160490-76590	8	17
160490-76591	8	17 -1
160490-76600	8	16
160490-76610	8	3
160490-76611	8	3 -1
160490-78050	8	21
160490-78090	8	21 -1
160490-78230	8	44
160490-78500	8	22
160490-78510	8	23
160490-78540	8	22 -1
160490-78550	8	23 -1
160492-12050	3	1 -1
160492-56480	6	40
160492-56490	6	45
160492-56510	6	46
160492-56520	6	3
160492-56530	6	4
160492-56540	6	5
160492-56550	6	6
160492-56570	6	8
160492-56580	6	9
160492-56581	6	9 -1
160492-56610	6	13
160492-56620	6	15
160492-56630	6	17
160492-56670	6	31
160492-56680	6	47
160493-12550	12	5 -1
		5 -2
	30	5
160493-56550	6	38
160493-56610	6	26
160493-56620	6	29
160493-56630	6	30
160493-56640	6	36
160493-56650	6	35
		39
160493-56670	6	27
160493-56700	6	42
160493-56710	6	41
160493-56720	6	28
160493-56730	6	32
160493-56740	6	33
160493-56800	6	43
160493-59391	5	25 -2
160495-56560	6	7
160495-56561	6	7 -1
160495-56600	6	12
160495-77260	17	55

Parts No.	Fig. No.	Ref. No.
160495-77260	26	65
	35	49
	44	57
160498-01330	2	22 -1
160498-13550	3	9 -1
160498-14050	4	1 -1
160498-56540	6	37
160510-02220	1	7
		15
160510-03180	2	21
160510-13200	3	8
160510-13201	3	8 -1
160510-14550	4	29
160510-56610	6	14
160510-56620	6	16
160520-03050	2	19
160520-07270	18	12
	27	15
	36	12
	45	15
160520-07271	9	4
	18	12 -1
	27	15 -1
	36	12 -1
	45	15 -1
160520-07272	9	4 -1
	18	12 -2
	27	15 -2
	36	12 -2
	45	15 -2
160520-07370	9	8
	18	13
	27	16
	36	13
	45	16
160520-66291	7	27
	16	23
	25	23
	34	23
	43	23
160520-78200	26	62
	44	27
160525-45010	8	27
160530-21200	4	14
160560-78700	26	29
	44	28
160590-01330	10	14
	28	14
160590-01331	10	14 -1
	28	14 -1

Parts No.	Fig. No.	Ref. No.
160590-07120	18	9 -1
	36	9 -1
160590-07400	18	9 -2
	36	9 -2
160590-11010	11	2
	29	2
160590-11011	11	2 -1
	29	2 -1
160590-11100	11	9
	29	9
160590-11110	11	11
	29	11
160590-14051	13	1
160590-14400	13	16
	31	16
160590-14570	13	11 -2
	31	11 -2
160590-14571	13	11 -3
	31	11 -3
160590-21200	13	26
	31	26
160590-21210	4	15
	13	28
	31	28
160590-22010	13	32
	31	32
160590-22011	13	32 -1
	31	32 -1
160590-22300	13	44
	31	44
160590-45120	17	22
160590-45130	17	22 -1
160590-45210	17	25
	35	20
160590-45211	17	25 -1
		25 -2
	35	20 -1
		20 -2
160590-56010	15	1
160590-56020	15	1 -1
	33	1
160590-56030	15	1 -2
	33	1 -1
160590-56530	15	6
	33	6
160590-56650	15	18
160590-56670	15	23
	33	23
160590-56681	15	23 A-1
	33	23 A-1

Parts No.	Fig. No.	Ref. No.
160590-56750	15	7 -2
	33	7 -2
160590-56770	15	26
	33	26
160590-56771	15	26 -1
	33	26 -1
160590-56800	15	36
	33	36
160590-66010	16	11
	34	11 -1
160590-78071	17	6
160590-78091	17	6 -1
160590-78092	17	6 -2
160590-78521	17	8
160590-78530	17	10
160590-78532	17	10 -3
160590-78533	17	10 -4
160590-78540	17	8 -1
160590-78541	17	8 -2
160590-78542	17	8 -3
160592-56540	15	3
	33	3
160593-56700	15	6 -1
	33	6 -1
160593-57540	24	37 -2
160594-14050	31	1
160594-45100	35	17
160594-45120	35	17 -1
160594-66010	34	11
160594-66011	16	11 -1
	34	11 -2
160594-78500	35	4
160594-78501	35	4 -1
160594-78530	17	10 -1
	35	5
160594-78531	17	10 -2
	35	5 -1
160594-78532	35	5 -2
160597-56011	15	1 -3
	33	1 -2
160597-56012	15	1 -4
	33	1 -3
160598-56670	15	23 B-1
	33	23 B-1
160610-01690	10	12
		27
	19	10
		24
	28	12
		25 -1

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Parts No.	Fig. No.	Ref. No.
160610-01690	37	10
160610-02220	10	8
		22
	28	8
160610-03050	2	20
	20	26
	38	26
160610-04201	2	1
	10	32
	28	29
160610-04280	26	36
160610-04570	3	15
	11	1
	29	1
160610-04620	2	2
160610-04910	13	21
	31	21
160610-12530	3	4
160610-12540	3	5
160610-12550	3	6
160610-21290	4	16
	13	29
	31	29
160610-23201	4	27
160610-55100	5	11
	14	14
	23	12
	32	14
	41	12
160610-55470	14	23
	23	22
	32	23
	41	22
160610-56150	12	7
	15	39
	30	6
	33	39
160610-56151	12	7 -1
	15	39 -1
	30	6 -1
	33	39 -1
160610-56610	15	21
	33	21
160610-56611	15	25
	33	25
160610-56630	6	18
	15	14
	24	29
	33	14
	42	29

Parts No.	Fig. No.	Ref. No.
160610-56631	15	14 -1
160610-56740	15	7
	24	11 -1
	33	7
160610-56900	6	25
	15	30
	24	41
	33	30
	42	41
160611-01740	1	18
160611-01741	1	18 -1
160611-14560	4	7
160611-77250	8	42
	17	1 -1
	26	17 -1
	35	45 -1
	44	18 -1
160640-02220	28	22
160640-56850	15	29
	24	36
	33	29
	42	36
	44	7
160641-76550	26	9
160641-76570	44	10
160664-11100	2	7
160664-11110	2	8
160664-11180	2	10
160664-66170	7	18
	16	28
	25	27
	34	27
	43	26
160664-66180	7	19
	16	29
	25	28
	34	28
	43	27
160664-66220	16	30
	25	29
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160690-02220	10	9
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160890-11101	20	12 -1
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