

PARTS MANUAL



Mikasa **SERIES**
MODEL MT85HS
TAMPING RAMMER
(ROBIN EC12HS GASOLINE ENGINE)

Revision #10 (09/28/20)

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

TABLE OF CONTENTS

MT85HS Rammer

Table Of Contents	3
Explanation Of Codes In Remarks Column	4
Suggested Spare Parts	5

Component Drawings

Name Plate and Decals	6-7
Crankcase and Engine Assembly	8-9
Cylinder Guide and Foot Assembly	10-11
Tank and Handle Assembly	12-15

Robin EC12HS Engine

Crankcase and Cylinder Assembly	16-17
Crankshaft and Piston Assembly	18-19
Governor Assembly	20-21
Muffler & Air Cleaner Assembly	22-23
Carburetor and Oil Pump Assembly	24-25
Recoil Starter and Blower Assembly	26-27
Magneto Assembly	28-29
Loose Parts Assembly	30-31

NOTICE

Specification and part number are subject to change without notice.

EXPLANATION OF CODES IN THE REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT.....	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.....		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN....	1	MQ-45T ONLY
3	12348	HOSE	A/R	MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol

(@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

“Make/Obtain Locally” — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

“Not Sold Separately” — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

SUGGESTED SPARE PARTS

MT-85HS Tamping Rammer 1 to 3 Units

Qty.	P/N	Description
1	956300130	LEVER, THROTTLE LEVER
1	956106040	WIRE, THROTTLE ASSY
1	402010110	SPRING, RETURN
3	354030030	ELEMENT, YELLOW
3	354030040	ELEMENT, GRAY
3	1573620101	ELEMENT SET, ENGINE
3	0650140460	SPARK PLUG
1	0430440033	FUEL TANK CAP
3	954404890	FILTER, FUEL TANK
3	954405080	STRAINER, FUEL TANK
3	353449000	STRAINER, OIL TANK
1	954300390	FUEL COCK ASSY
3	301419750	FUEL FILTER, IN-LINE

MT-85HS Tamping Rammer 3 to 5 Units

Qty.	P/N	Description
2	956300130	LEVER, THROTTLE LEVER
3	956106040	WIRE, THROTTLE ASSY
3	402010110	SPRING, RETURN
5	354030030	ELEMENT, YELLOW
5	354030040	ELEMENT, GRAY
5	1573620101	ELEMENT SET, ENGINE
5	0650140460	SPARK PLUG
2	0430440033	FUEL TANK CAP
5	954404890	FILTER, FUEL TANK
5	954405080	STRAINER, FUEL TANK
5	353449000	STRAINER, OIL TANK
2	954300390	FUEL COCK ASSY
5	301419750	FUEL FILTER, IN-LINE
1	354332700	BELLOWS, ORANGE

MT-85HS Tamping Rammer 5 to 10 Units

Qty.	P/N	Description
4	956300130	LEVER, THROTTLE ASSY
5	956106040	WIRE, THROTTLE ASSY
5	402010110	SPRING, RETURN
10	354030030	ELEMENT, YELLOW
10	354030040	ELEMENT, GRAY
10	1573620101	ELEMENT SET, ENGINE
10	0650140460	SPARK PLUG
4	0430440033	FUEL TANK CAP
8	954404890	FILTER, FUEL TANK
8	954405080	STRAINER, FUEL TANK
8	353449000	STRAINER, OIL TANK
4	954300390	FUEL COCK ASSY
2	354332700	BELLOWS, ORANGE
2	354910020	BELLOWS, CLAMP
2	050201500	O-RING, UPPER GUIDE CYL.
4	050931500	O-RING, MIDDLE GUIDE CYL.
2	050101100	O-RING, LOWER GUIDE CYL.
2	050100950	O-RING, FOOT PLATE GUIDE CYL.
1	KITCARBEC12HS	KIT, CARBURETOR EC12HS
1	0660000371	STOP SWITCH ASSY (ON-OFF)
1	1611510101	GASKET COMPL, HEAD
2	0440250180	OIL SEAL, ENGINE
1	1613520101	GASKET, EXHAUST

MT-85HS Tamping Rammer 10+ Units

Qty.	P/N	Description
6	956300130	LEVER, THROTTLE ASSY
8	956106040	WIRE, THROTTLE ASSY
8	402010110	SPRING, RETURN
18	354030030	ELEMENT, YELLOW
18	354030040	ELEMENT, GRAY
18	1573620101	ELEMENT SET, ENGINE
18	0650140460	SPARK PLUG
6	0430440033	FUEL TANK CAP
15	954404890	FILTER, FUEL TANK
15	954405080	STRAINER, FUEL TANK
15	353449000	STRAINER, OIL TANK
8	954300390	FUEL COCK ASSY
15	301419750	FUEL FILTER, IN-LINE
4	354332700	BELLOWS, ORANGE
4	354910020	BELLOWS, CLAMP
6	050201500	O-RING, UPPER GUIDE CYL.
12	050931500	O-RING, MIDDLE GUIDE CYL.
6	050101100	O-RING, LOWER GUIDE CYL.
6	050100950	O-RING, FOOT PLATE GUIDE CYL.
3	KITCARBEC12HS	KIT, CARBURETOR EC12HS
1	1616230140	CARBURETOR, ASSY
1	1615010400	RECOIL STARTER ASSY
2	0660000371	STOP SWITCH ASSY (ON-OFF)
3	1611510101	GASKET COMPL, HEAD
6	0440250180	OIL SEAL, ENGINE
3	1613520101	GASKET, EXHAUST
1	301421363	CLUTCH, ASSY

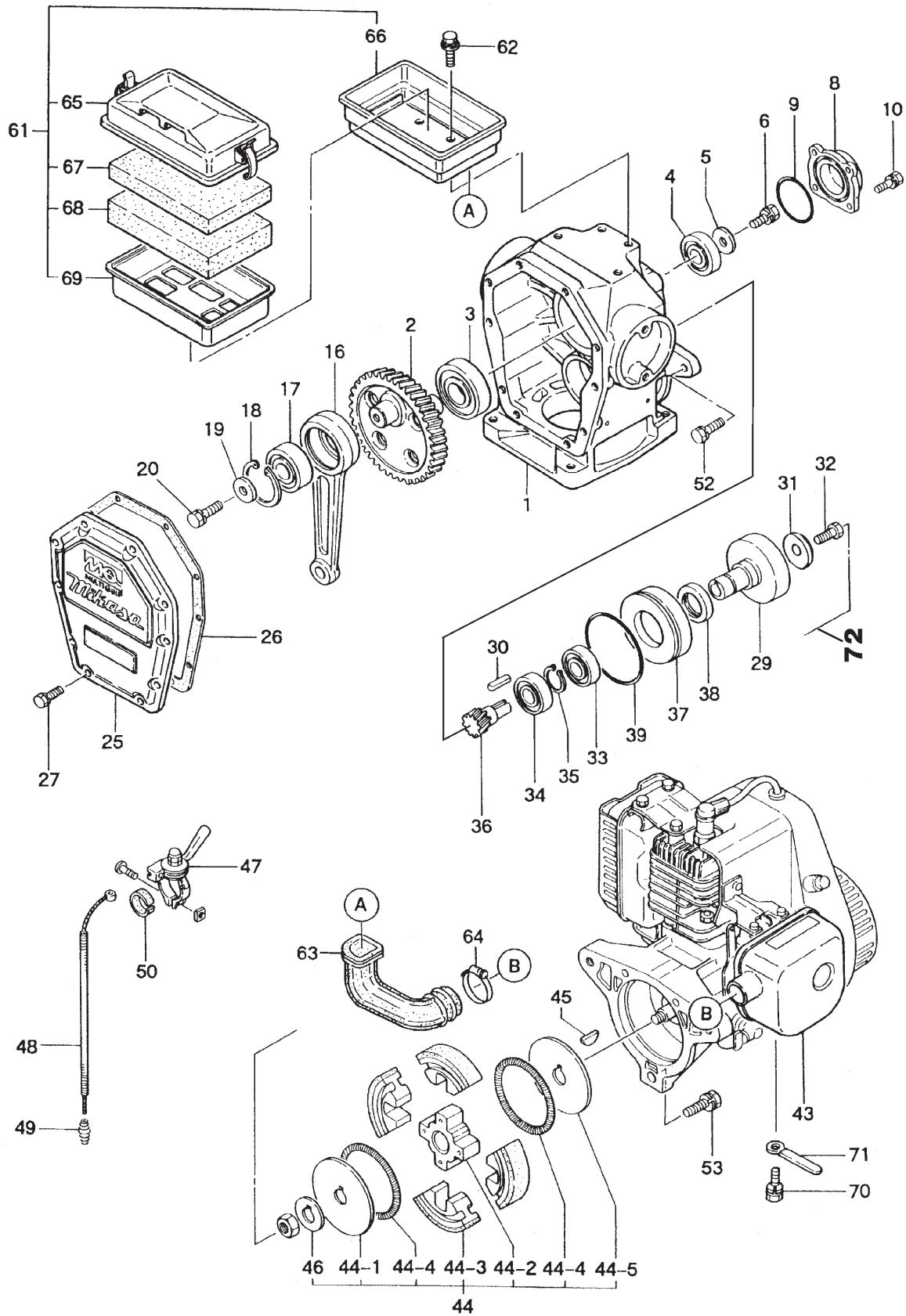
NOTICE

Part number on this Suggested Spare Parts List may supersede/replace the P/N shown in the text pages of this book.

NAMEPLATE AND DECALS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1*	920106460	DECAL: MIKASA MARK	1	
2*	920203980	DECAL: ELEMENT SET	1	
3*	920203290	DECAL: READ OWNER'S MANUAL	1	
4		PLATE: SERIAL NO.	1 CONTACT MULTIQUIP PARTS DEPARTMENT
5*	920107000	DECAL: PRE-CLEANER	1	
6*	920107400	DECAL ENGINE R.P.M 3650-3850	1	
7*	920203990	DECAL: FUEL COCK	1	
8*	920203330	DECAL: EAR PROTECTION	1	
9*	920204370	DECAL: PRE CLEANER	1	
10*	920201950	DECAL: MOTOR OIL	1	
11*	920205810	DECAL: CAUTION	1	
12*	920204840	DECAL: SWITCH ON-OFF	1	
13*	920202930	DECAL: SWITCH ON	1	
14*	920205990	DECAL: CAUTION (WATER)	1	
15	DCLMT85HS	DECAL KIT	1 INCLUDES. ALL ITEMS W/*

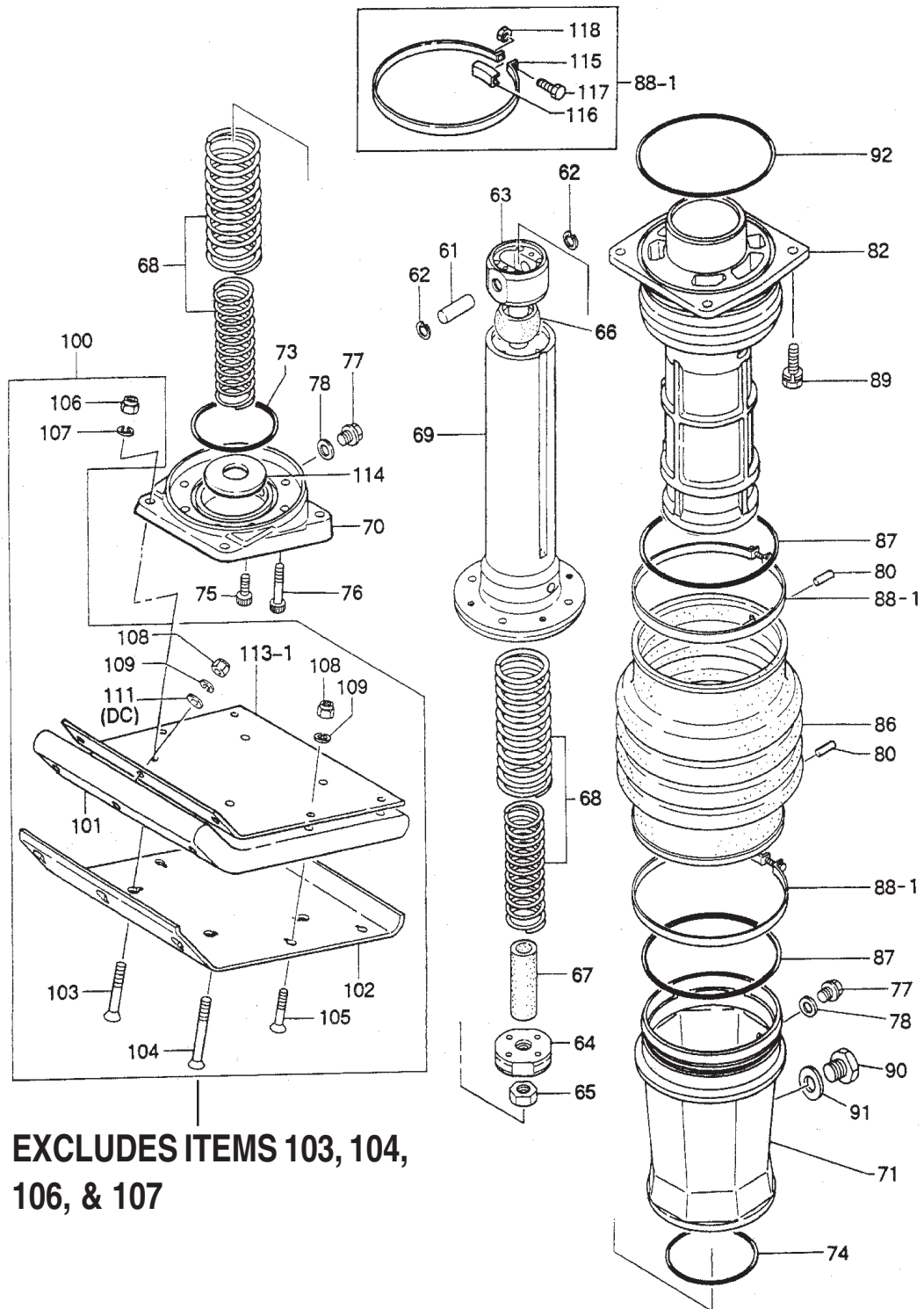
CRANKCASE AND ENGINE ASSY.



CRANKCASE AND ENGINE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	354111690	CRANK CASE	1	
2	352321580	CRANK GEAR	1	
3	040006207	BEARING 6207	1	
4	040006305	BEARING 6305	1	
5	952400690	WASHER 9X35X4.5	1	REPLACES 031108160
6	002210825	BOLT 8X25 H, SW	1	REPLACES 011708025
8	352423271	BEARING COVER	1	
9	050920630	O-RING JASO2063	1	
10	002210620	BOLT 6X20 H,SW	4	REPLACES 011706020
16	301300530	CONNECTING ROD	1	
17	040006305	BEARING 6305	1	
18	080100620	STOP RING R-62	1	
19	952400690	WASHER 9X35X4.5	1	REPLACES 031108160
20	002210825	BOLT 8X25 H, SW	1	REPLACES 011708025
25	354213480	FRONT COVER	1	
26	354444460	PACKING, FRONT COVER	1	
27	002210620	BOLT 6X20 H,SW	10	REPLACES 011706020
29	352437870	CLUTCH DRUM	1	
30	951405500	KEY 5X5X28 R	1	
31	952405490	LOCK WASHER	1	
32	002210820	BOLT 8X20 H, SW	1	
33	041006207	BEARING 6207Z	1	
34	040006205	BEARING 6205	1	REPLACES 0600250010
35	080200350	STOP RING S-35	1	
36	301010160	PINION	1	
37	352441340	SPACER	1	
38	060404010	OIL SEAL TC-40528	1	
39	050100950	O-RING G-95	1	
43	911101213	ENGINE ASSY EC12	1	REPLACES 911101211
44	301421363	CLUTCH ASSY C812E	1	INCLS. PARTS W/*
44-1*	943060020	CLUTCH GUIDE/B	1	
44-2*	943050050	CLUTCH BOSS C812	1	
44-3*	943020020	CLUTCH SHOE C812	4	
44-4*	943030020	CLUTCH SPRING C812	2	
44-5*	943060010	CLUTCH GUIDE /A IT	1	
45	0053204201	WOODRUFF KEY	1	
46*	301010210	LOCK WASHER CLUTCH	1	
47	956300130	THROTTLE LEVER ASSY	1	
48	956106040	THROTTLE WIRE	1	
49	301010950	RETURN SPRING	1	REPLACES 402010110
50	959403750	RUBBER, SLIP STOP	1	
52	002211045	BOLT 10X45 H,SW	2	REPLACES 012710045
53	002211035	BOLT 10X35 H,SW	1	REPLACES 012710035
61	354211841	AIR CLEANER ASSY	1	INCLS. ALL ITEMS W/#
62	002200820	BOLT 8X20 SW	4	REPLACES 011008020
63	354330590	INTAKE PIPE	1	
64	507010110	CLAMP TC-200	1	
65#	354030011	BODY/W-CLEANER	1	
66#	354030020	BACK PLATE	1	
67#	354030030	ELEMENT, YELLOW	1	
68#	354030040	ELEMENT, GRAY	1	
69#	354030050	ELEMENT FRAME	1	
70	002200815	BOLT 8X15 SW	1	
71	0566000170	CLAMP	1	
72	002171400	NUT	1	

GUIDE CYLINDER AND FOOT ASSY.

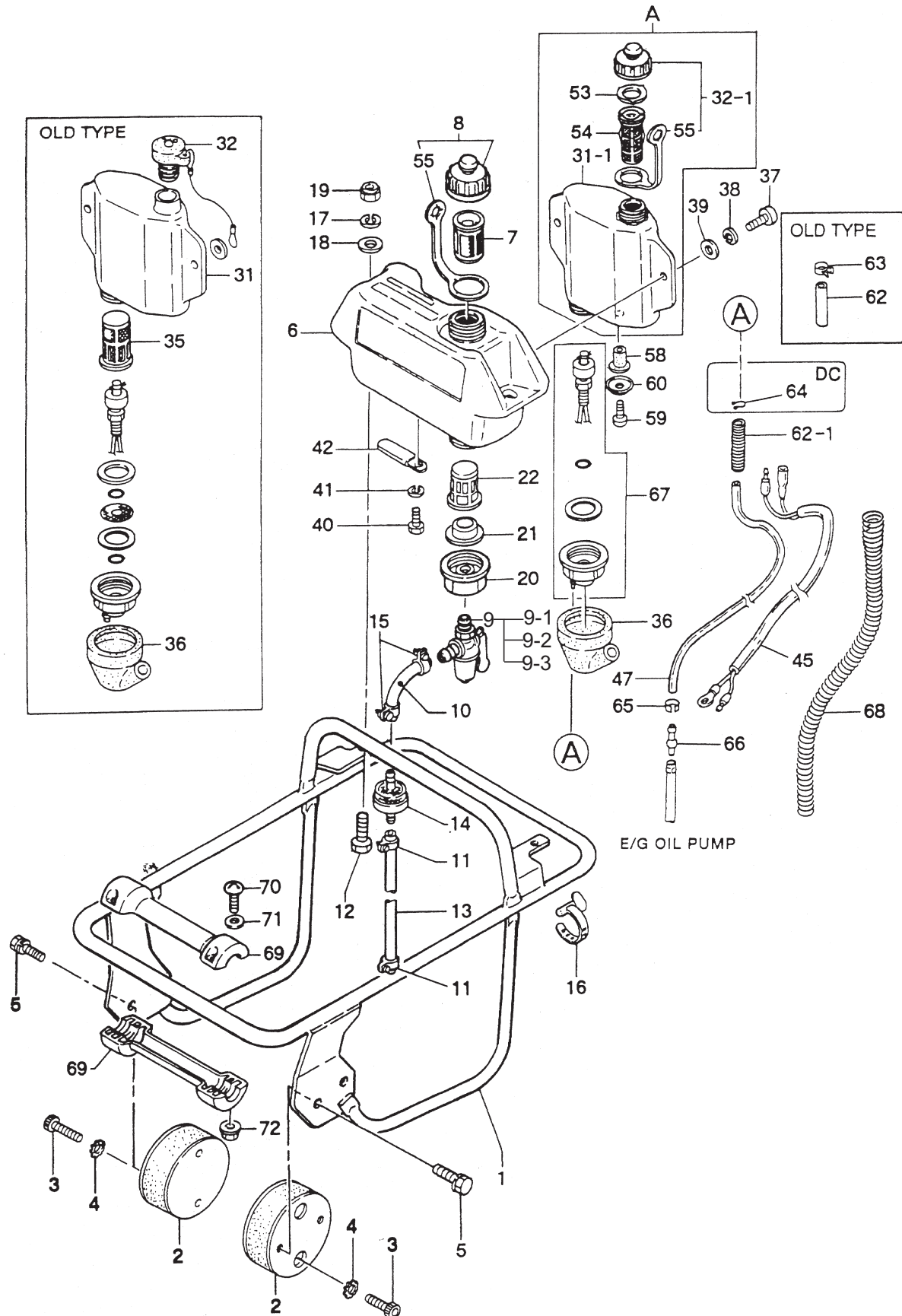


**EXCLUDES ITEMS 103, 104,
106, & 107**

GUIDE CYLINDER AND FOOT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
61	352423290	PISTON PIN	1	
62	080100150	STOP RING R-15	2	
63	352210380	PISTON ROD	1	
64	352437330	PISTON END	1	
65	020118150	NUT M18, P1.5	1	
66	352431430	STOPPER, UPPER	1	
67	352437470	STOPPER, LOWER	1	
68	352326610	MAIN SPRING	2	
69	354212480	SPRING CYLINDER (L)	1	
70	352210401	FOOT PLATE	1	
71	352110042	PROTECTION SLEEVE (L)	1	
73	050100950	O-RING G-95	1	
74	050101100	O-RING G-110	1	
75	001521020	SOCKET HEAD BOLT 10X20 T ...	4	REPLACES 014210020
76	001521035	SOCKET HEAD BOLT 10X35 T ...	4	REPLACES 014210035
77	953405270	PLUG 1/4X14 13L	2	
78	953405260	PACKING 1/4 (CU)	2	
80	354446170	PIN 6D-8.5L	2	
82	354212490	GUIDE CYLINDER (L)	1	
86	354332700	BELLOWS(L) ORANGE	1	
87	050931500	O-RING JASO3150	2	
88-1	354910020	BELLOWS CLAMP CP	2	INCLUDES ITEMS W/*
89	002211035	BOLT 10X35 H,SW	4	REPLACES 012710035
90	959010150	LEVEL GAUGE, PLUG TYPE	1	
91	953404670	COPPER PACKING 17X25.5X1	1	
92	050201500	O-RING P-150	1	
100	352910081	FOOT ASSY 330W-W/F.COVER ..	1	INCL'S ITEMS W/# 13" (W) X 13" (L)
100		FOOT ASSY 285W-E/F COVER...	1	OPTION INCL. ITEMS W/+ CONTACT UNIT SALES DEPT./ACCESSORY ITEM
101+	352108220	FOOT 285B-331L	1	OPTION
101#	352326620	FOOT 330B-331L	1	
102+	352108230	METAL SHEET 285W	1	OPTION
102#	362326630	METAL SHEET 330B	1	
103	001611259	SUNK HEAD BOLT 12X90 H	2	REPLACES 015112075 & 001611256
104	001611260	SUNK HEAD BOLT 12X100 H	2	INCLUDES ITEMS W/%
105#+	015110055	SUNK HEAD BOLT 10X55 H	7	REPLACES 001611051
106	022711214	NYLON NUT M12	4	REPLACES 021112140
107	030212300	WASHER SW M12	4	
108#+	022711012	NYLON NUT M10	7	REPLACES 021110120
109#+	030210250	WASHER SW M10	7	
113-1#+	354332070	FOOT COVER	1	
114	352441730	SPRING SEAT 80D-1.6T	1	
115*	354329380	BELLOWS CLAMP	2	
116*	354442340	BAND GUIDE, BELLOWS	2	
117*	001210835	BOLT 8X35 H	2	REPLACES 011008035
118*	020308060	NUT M8	2	REPLACES 020108060

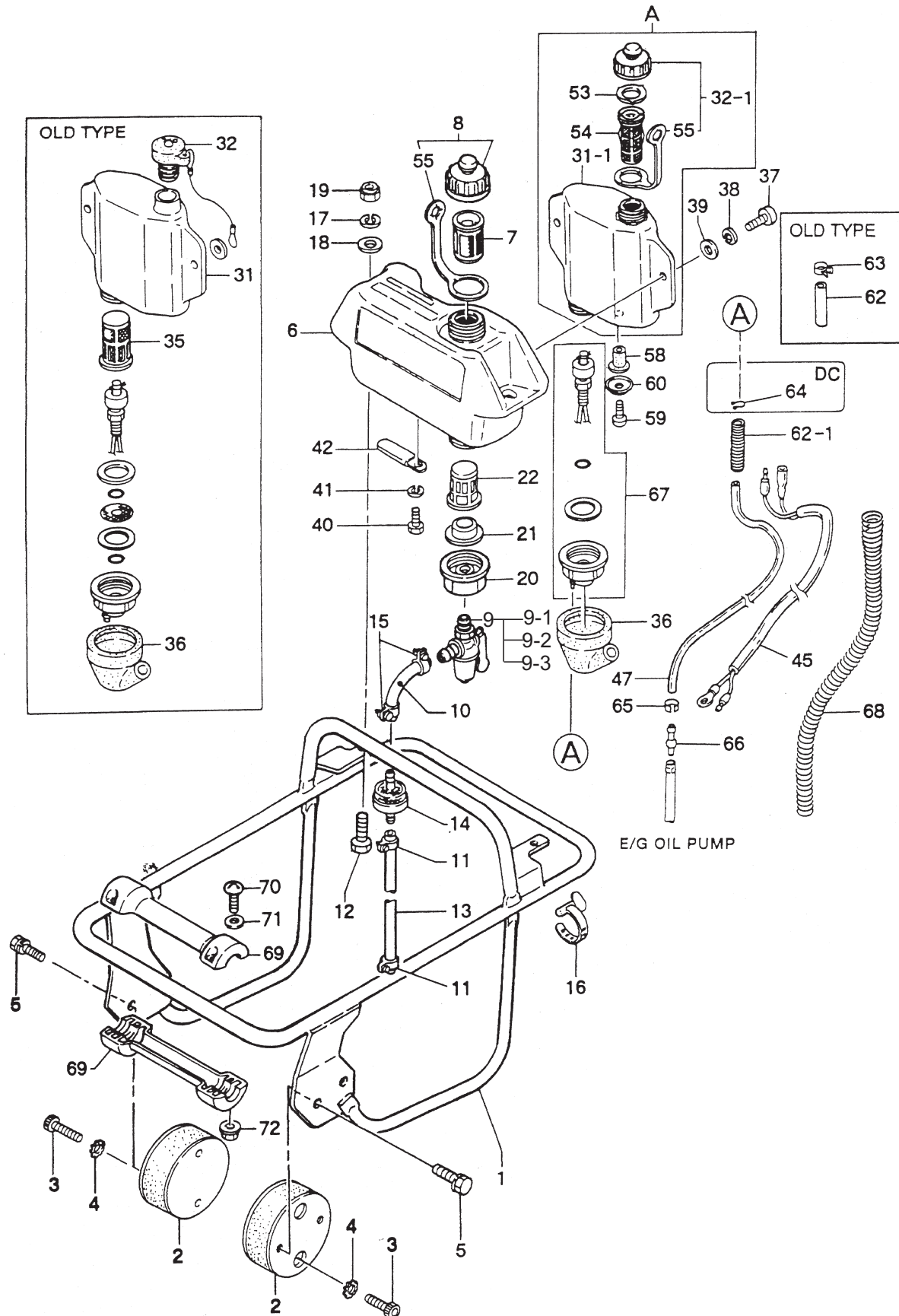
TANK AND HANDLE ASSY.



TANK AND HANDLE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
A	353213710CPL	OIL TANK ASSY W/CAP	1	REPLACES 353910030
1	355115020	HANDLE (ROLLER)	1	
2	351319900	SHOCK ABSORBER 100D-45B	2	REPLACES 355113570
3	001521020	SOCKET HEAD BOLT 10 x 20	4	
4	033121009	TOOTHED LOCK WASHER B M10	4	
5	002211020	BOLT 10 x 20 H, SW	4	
6	355113610	FUEL TANK	1	
7	954404890	FILTER, TANK	1	
8	361910020	TANK CAP ASSY (ORANGE)	1	
9	954405990	FUEL COCK ASSY CVL-1	1	INCLUDES ITEMS W/ #
9-1#	0642001410	BOWL FUEL FILTER	1	
9-2#	0642001420	STRAINER SCREEN	1	
9-3#	0642001430	PACKING	1	
10	351436350	FUEL HOSE R-150	1	
11	954404590	HOSE BAND 9.50D	2	
12	001220830	BOLT 8 x 30 T	2	
13	301418140	FUEL HOSE B-150	1	
14	301419750	FUEL FILTER CP, MQ75MIC	1	
15	954403030	HOSE BAND (8)	2	
16	303010450	BAND	1	
17	030208200	WASHER, SW M8	2	
18	952401450	WASHER 8.5 x 22 x 3	2	
19	022710809	NYLON NET M8	2	
20	351437785	HOLDER, COCK	1	
21	953405640	PACKING, COCK HOLDER	1	
21	9544S06020	PACKING, FUEL TANK	1	
22	954405080	STRAINER (#100)	1	
22	954406010	STRAINER (#110)	1	
31	*	OIL TANK	1	*MUST ORDER NEW OIL TANK ASSY
31-1	353213710	OIL TANK	1	
32	*	OIL TANK CAP	1	
32-1	353030070	OIL TANK CAP CP (YELLOW)	1	
35		STRAINER, OIL TANK	1	NO LONGER USED
36	355448071	COVER, COCK HOLDER	1	REPLACES 355448070
37	009110011	SOCKET HEAD SCREW 8 x 20	2	
38	030208200	WASHER, SW M8	2	
39	952401450	WASHER 8.5 x 22 x 3	2	
40	001200610	BOLT 6 x 10	1	
41	030206150	WASHER, SW M6	1	
42	2267510103	CLAMP	1	
45	355448280	WIRE CP	1	
47	1616391308	HOSE	1	
53	353448990	PACKING, OIL TANK CAP	1	
54	353449001	STRAINER, OIL TANK	1	REPLACES 353449000

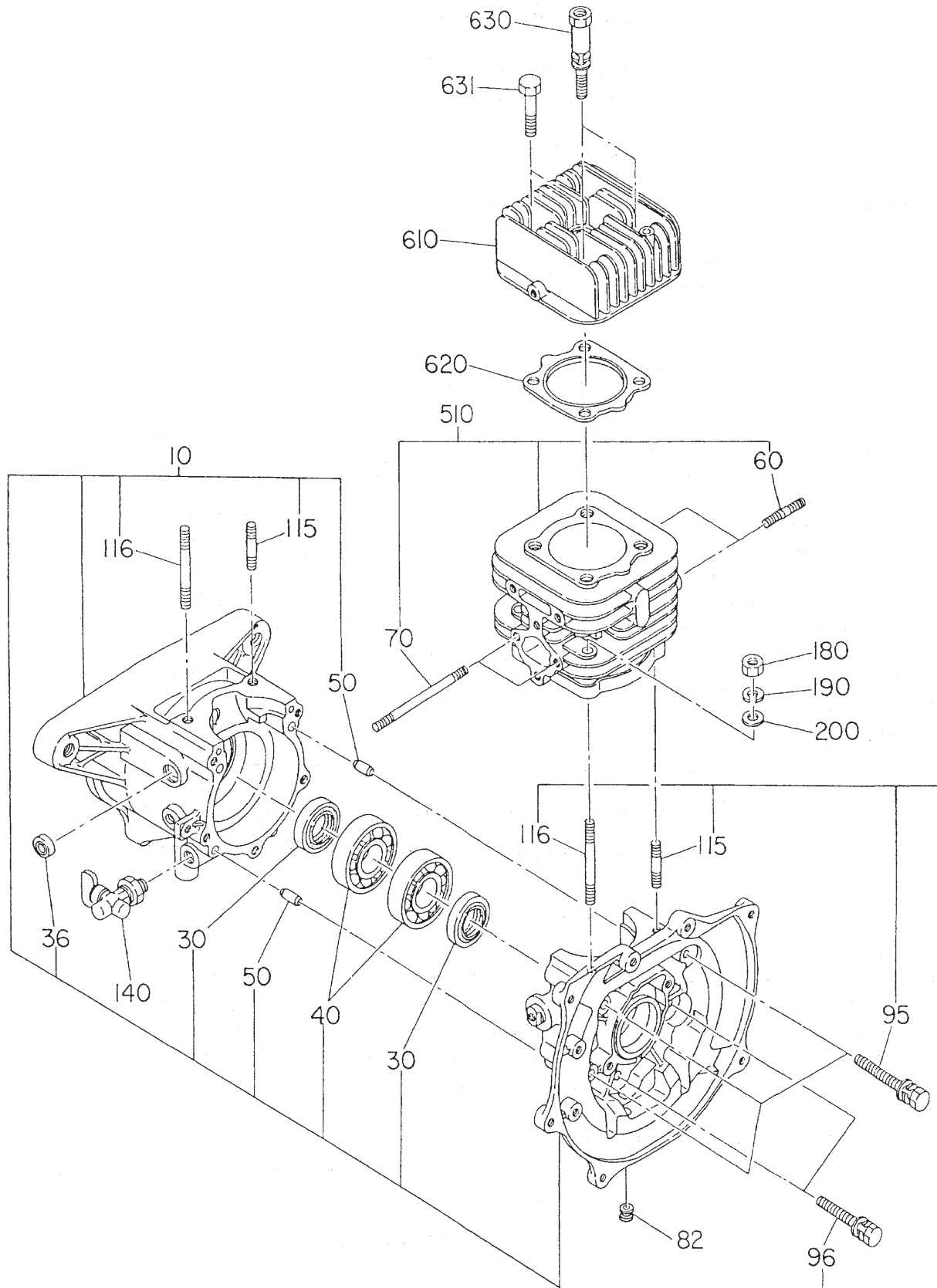
TANK AND HANDLE ASSY.



TANK AND HANDLE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
55	353449010	STRAP, OIL TANK	2	
58	353030080	WELL NUT M5	1	
59	091005015	SCREW 5 x 15	1	
60	031105080	WASHER, PW M5	1	
60	952405970	WASHER 6.4D-20D	1	
62	353449240	OUTER HOSE 6 x 9 x 65	1	
62-1	353450220	GUARD, OIL HOSE	1	
63	954403030	HOSE, BAND	1	
64	1616391008	CLIP	1	
65	1616391608	CLIP	1	
66	1616391508	JOINT	1	
67	353910020	OIL SENSOR ASSY	1	
68	355450600	OUTER LINER 525L	1	
69	361910040	ROLLER ASSY. W/PIN	2	REPLACES 955200051
70	091005025	SCREW 5 x 25	4	
71	031105080	WASHER, PW M5	4	
72	022610505	FLANGE NUT M5 H	4	

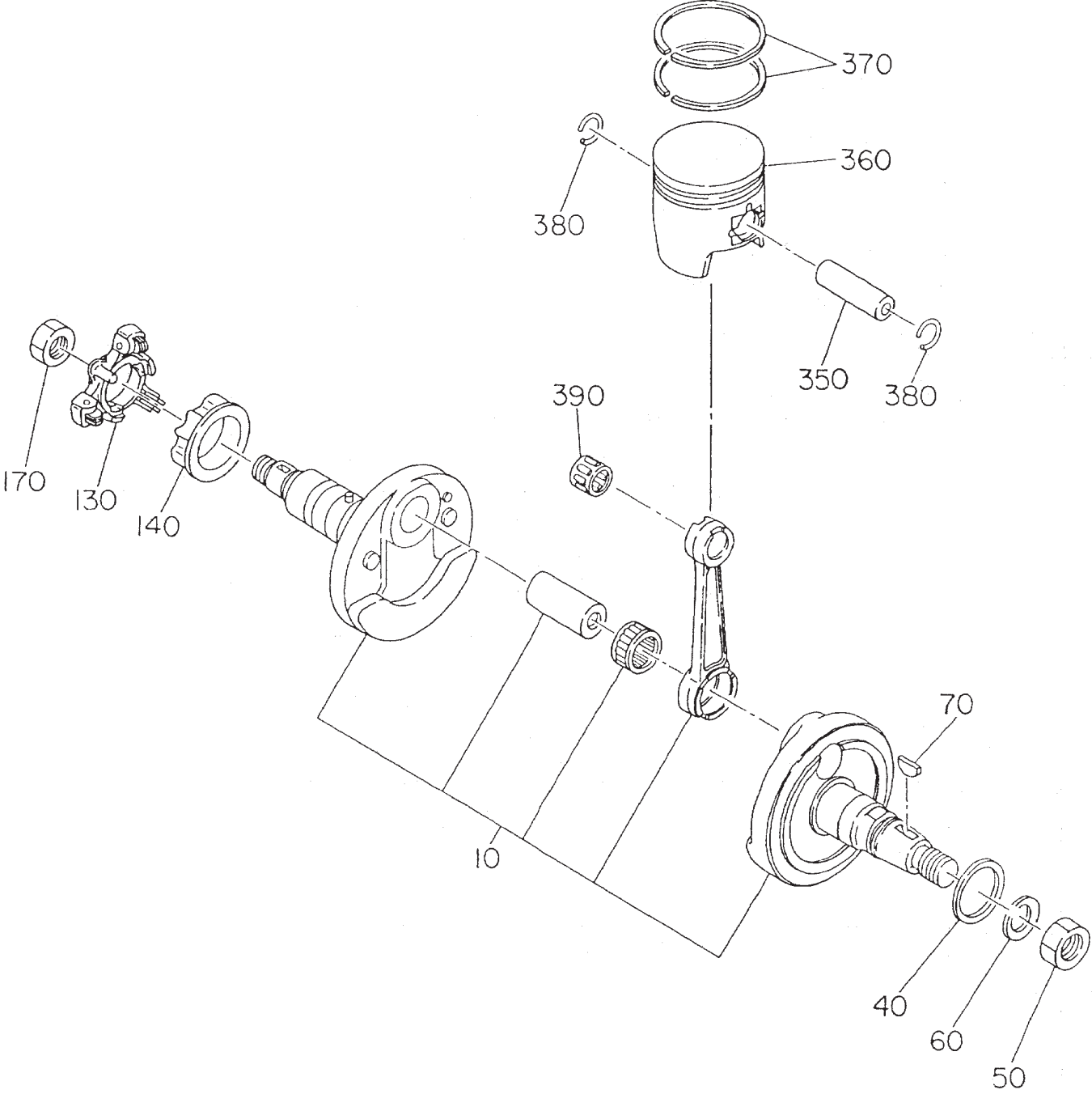
ROBIN EC12HS ENGINE — CRANKCASE ASSY.



ROBIN EC12HS ENGINE — CRANKCASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	1611040301	CRANK CASE CP	1	INCLUDES ITEMS W/*
30*	0440250180	OIL SEAL EC13	2	
36*	0440080010	OIL SEAL VC 8X14X4	1	
40*	0600250010	BALL BEARING 6205C3	1	
50*	0310060010	DOWEL PIN	2	
60*#	0013208351	STUD	2	
70*#	0105060070	STUD	2	
82*	0241060010	GROMMET	1	
95*	0011406550	BOLT AND WASHER ASSY	3	
96*	0011406400	BOLT AND WASHER ASSY	2	
115*	0013208401	STUD	2	
116*	0013208651	STUD	2	
140	0643000101	DRAIN COCK	1	
180	0021708000	NUT	4	REPLACES 0021808000
190	030208200	WASHER	4	REPLACES 0032008000
200	0031008000	WASHER	4	
510	1611240311	CYLINDER CP	1	INCLUDES ITEMS W/# REPLACES 1611240301
610	1571310113	CYLINDER HEAD	1	
620	1611510101	GASKET COMPL.(HEAD)	1	REPLACES 161151011
630	0130080071	BOLT AND WASHER ASSY	2	
631	0011408350	BOLT AND WASHER ASSY	2	

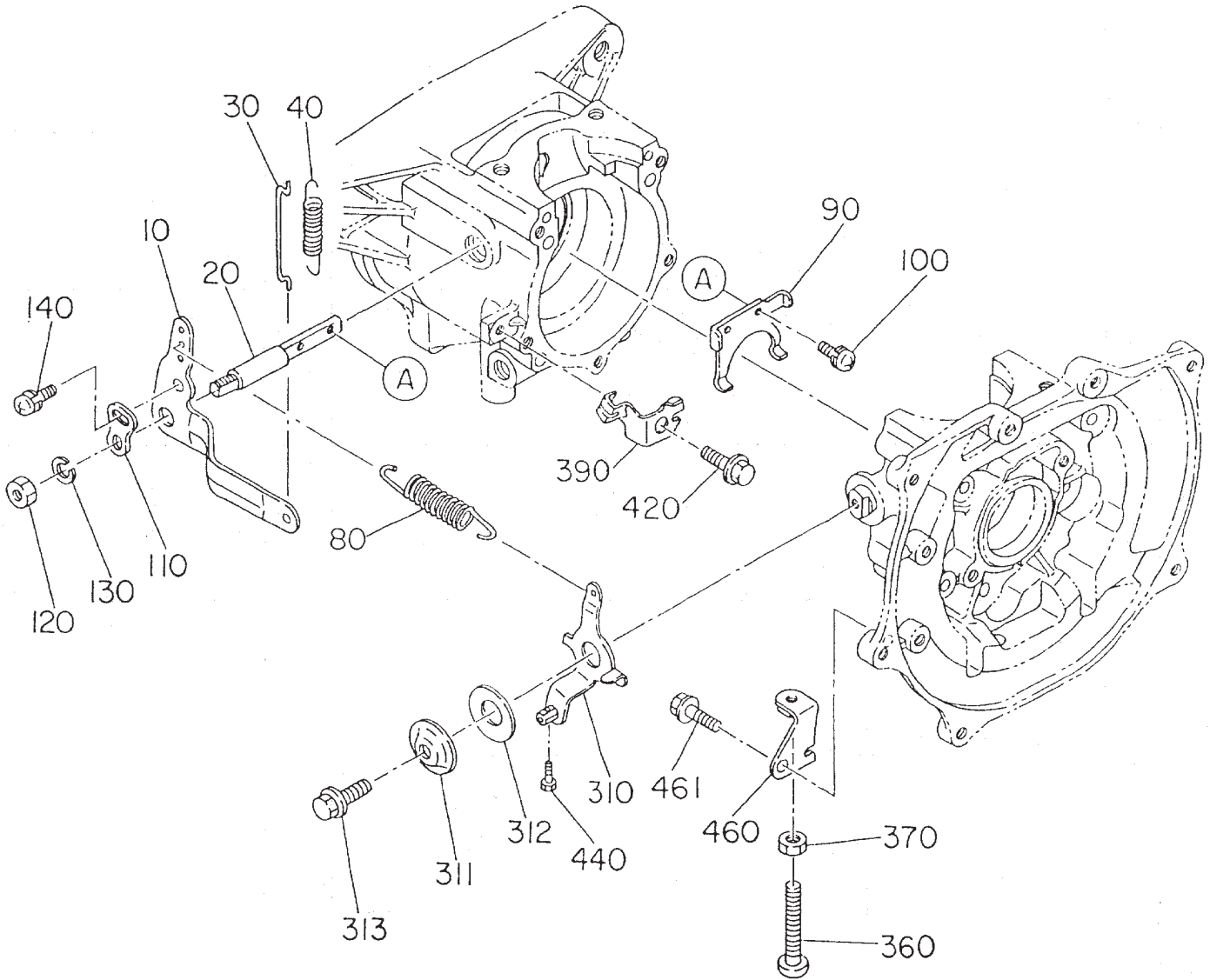
ROBIN EC12HS ENGINE — CRANKSHAFT AND PISTON ASSY.



ROBIN EC12HS ENGINE — CRANKSHAFT AND PISTON ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	1612040200	CRANK SHAFT ASSY	1	
40	1612500103	SPACER 0.IT	3	
40	1612500203	SPACER 0.3T	1	
50	0021714000	NUT	1	
60	0032014000	SPRING WASHER	1	
70	0053204201	WOODRUFF KEY	1	
130	1574170101	GOVERNOR PLATE COMPL.	1	
140	1574190103	GOVERNOR SLEEVE	1	
170	0173120010	LOCK NUT	1	
350	1572330103	PISTON PIN	1	
360	1612340101	PISTON COMPL. STD	1	
360	1612340201	PISTON COMPL. 0.25 OS	1	
360	1612340301	PISTON COMPL. 0.50 OS	1	
370	1612350107	PISTON RING SET STD	1	
370	1612350207	PISTON RING SET 0.25 OS	1	
370	1612350307	PISTON RING SET 0.50 OS	1	
380	0565120010	CLIP	2	
390	0610120010	NEEDLE BEARING	1	

ROBIN EC12HS ENGINE — GOVERNOR ASSY.

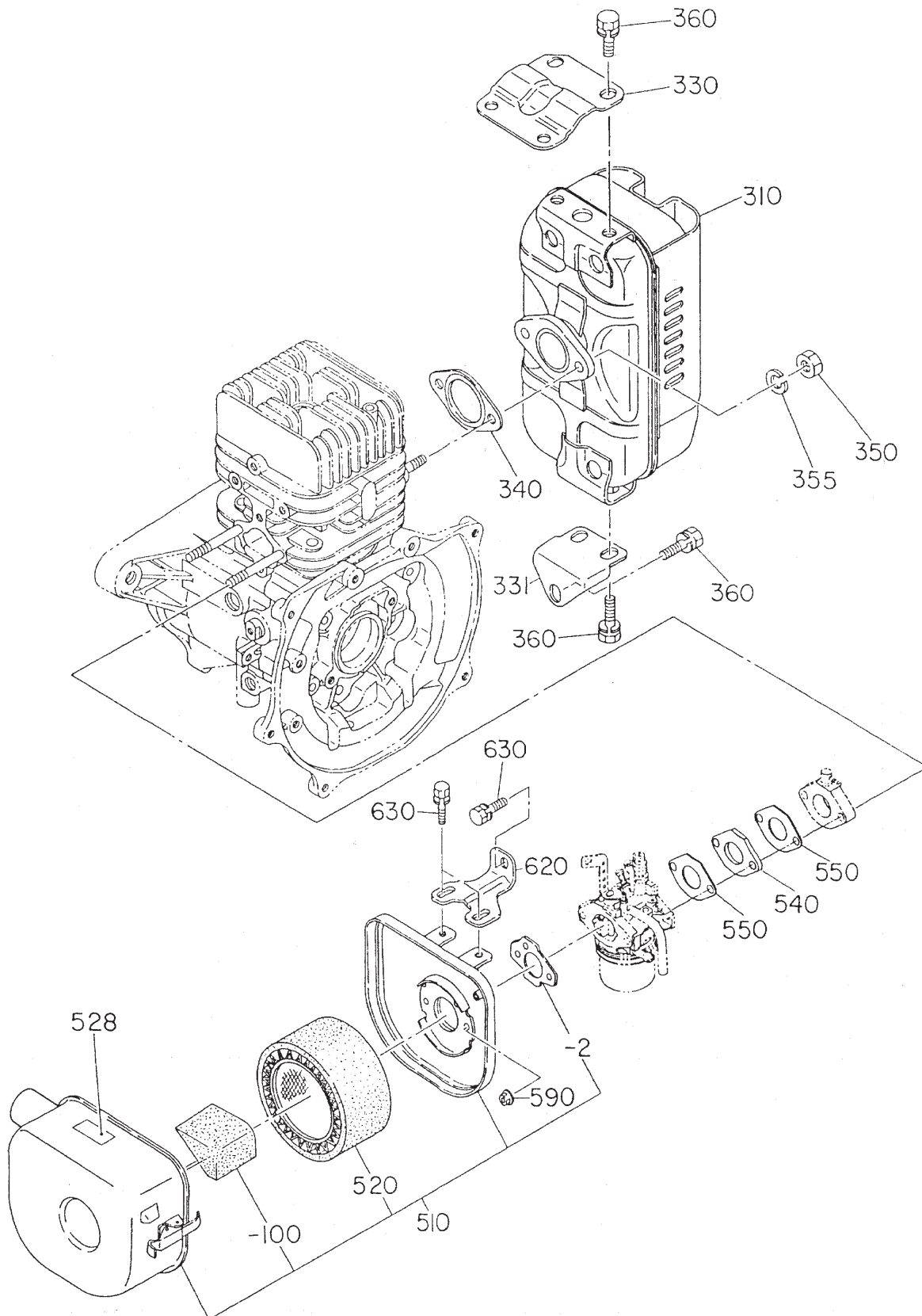


ROBIN EC12HS ENGINE — GOVERNOR ASSY.

GOVERNOR ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	1614230113	GOVERNOR LEVER	1	
20	1064220103	GOVERNOR SHAFT	1	
30	2274270101	GOVERNOR ROD	1	
40	1064280113	ROD SPRING	1	
80	1614250113	GOVERNOR SPRING	1	
90	1574210103	GOVERNOR YOKE	1	
100	0043504060	SCREW	2	
110	1064240101	ADJUSTING PLATE 88	1REPLACES 1574240103
120	0021906000	NUT	1	
130	030206150	SPRING WASHER	1REPLACES 0032006000
140	0043504080	SCREW AND WASHER ASSY	1REPLACES 0043604080
310	1614341001	SPEED CONTROL CP	1REPLACES 1614341011
311	1574510101	COVER	1	
312	1574610103	WASHER	1	
313	0110060020	FLANGE BOLT	1	
360	0043106350	SCREW	1	
370	0021706000	NUT	1	
390	1614420113	WIRE BRACKET	1	
420	0110060020	FLANGE BOLT	1	
440	0115040010	BOLT	1	
460	1614350111	STOP PLATE COMP	1REPLACES 1614350121
461	0110060020	FLANGE BOLT	1	

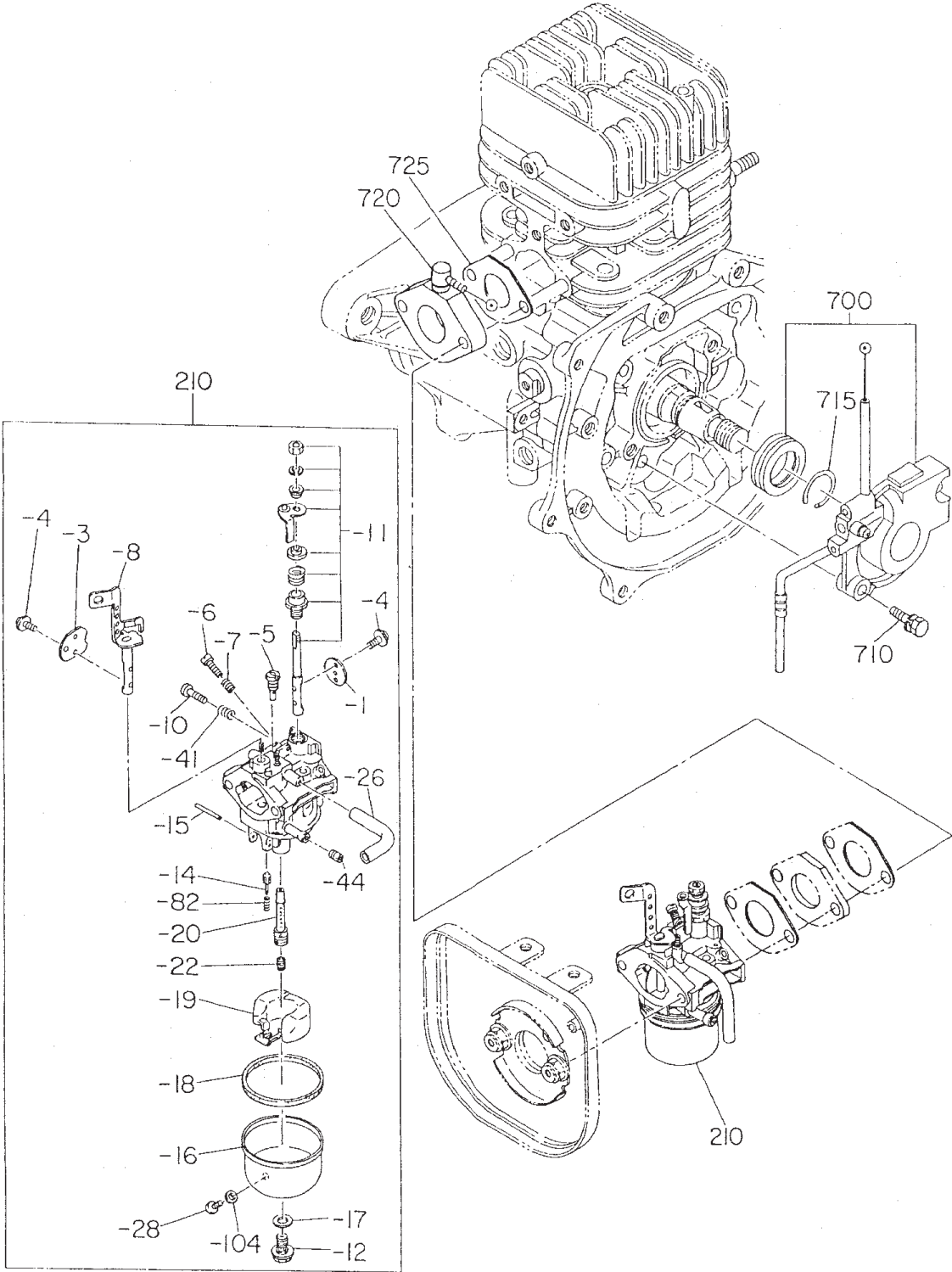
ROBIN EC12HS ENGINE — MUFFLER/AIR CLEANER ASSY.



ROBIN EC12HS ENGINE — MUFFLER/AIR CLEANER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
310	1613010111	MUFFLER COMPL.	1	
330	1613500101	MUFFLER BRACKET	1	
331	1613510101	MUFFLER BRACKET	1	
340	1613520101	GASKET CP (EXHAUST)	1	REPLACES 1613520111
350	020108060	NUT	2	REPLACES 0021908000
355	030208200	SPRING WASHER	2	REPLACES 0032008000
360	0011308160	BOLT AND WASHER ASSY	7	
510	1613270310	AIR CLEANER ASSY	1	INCLUDES ITEMS W/*
510-2*	2263272008	GASKET (AIR CLEANER)	1	
510-100*	1613261008	ELEMENT	1	
520*	1573620101	ELEMENT SET	1	
528	0732004430	LABEL(CHOKE)	1	
540	1063291203	INSULATOR	1	
550	1573500103	GASKET, INSULATOR	2	
590	0176060020	SELF LOCK NUT	2	
620	1613600203	BRACKET (CLEANER)	1	
630	0016606120	BOLT AND WASHER ASSY	3	REPLACES 0011006120

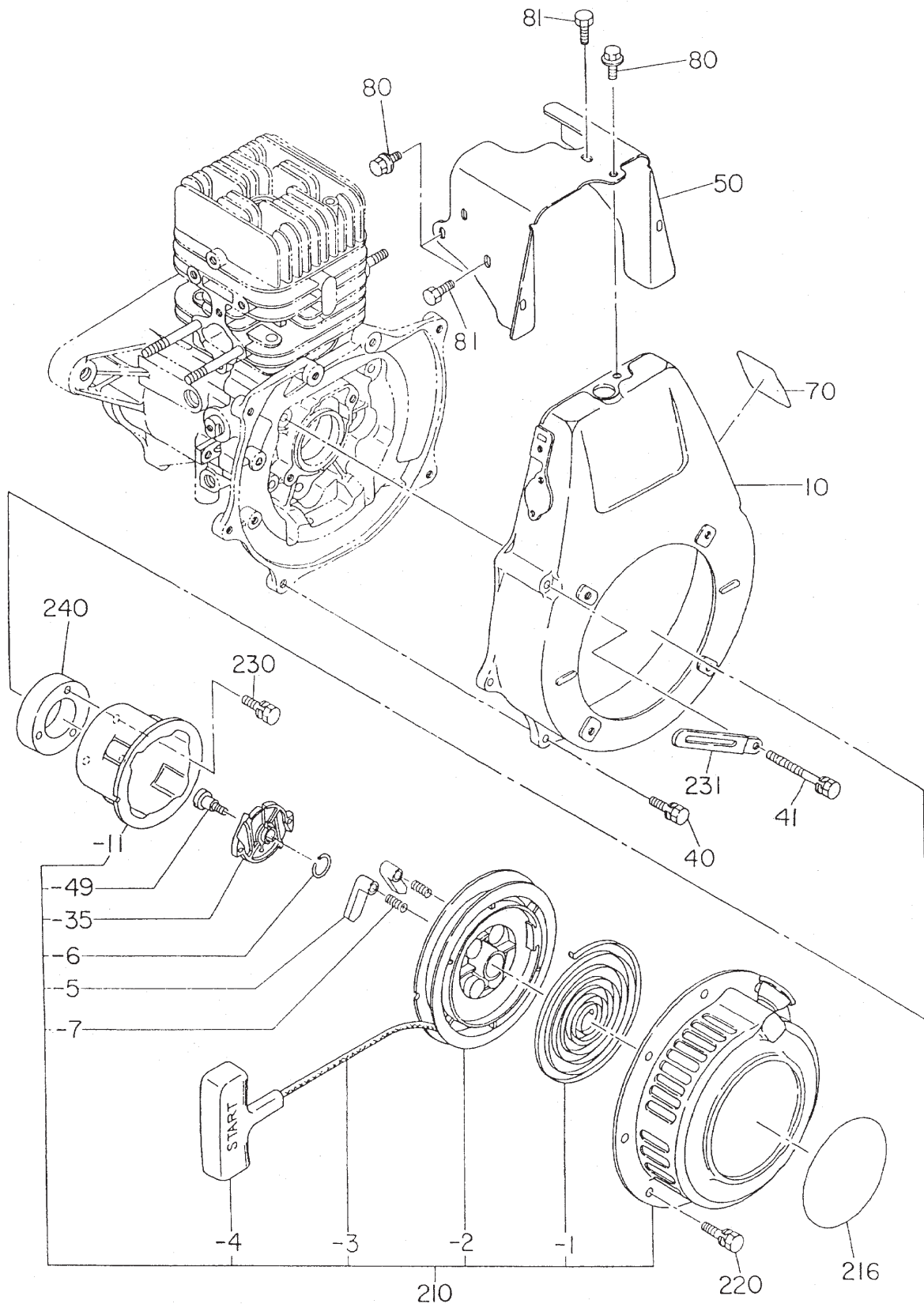
ROBIN EC12HS ENGINE — CARBURETOR ASSY.



ROBIN EC12HS ENGINE — CARBURETOR ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
210	1616230100	CARBURETOR ASSY	1	INCLS. ITEMS W/# REPLACES 1616230140
210-1#	1616253508	THROTTLE VALVE	1	
210-3#	5806083310	CHOKE VALVE	1	REPLACES 161625208
210-4#	2376245108	SCREW	1	
210-5#	2076242008	PILOT JET	1	
210-6#*	1616235408	ADJUSTER	1	
210-7#*	2306244608	SPRING	1	
210-8#	1616252008	SHAFT ASSY (CHOKE)	1	REPLACES 1616252038
210-10#*	2246245208	SCREW MC-0414	1	
210-11#	1616253080	SHAFT ASSY (THROTTLE)	1	
210-12#	1616235108	BOLT	1	
210-14#*	5806083400	NEEDLE	1	REPLACES 1616235208
210-15#	2146251508	FLOAT PIN	1	
210-16#	1616235008	FLOAT BODY	1	
210-17#*	2366245008	PACKING 826-08003	1	
210-18#*	2366254008	PACKING 826-42001	1	
210-19#	2366250508	FLOAT 859-14004	1	
210-20#	1616244008	MAIN NOZZLE	1	
210-22#*	2266240008	MAIN JET	1	
210-26#	1616235308	HOSE	1	
210-28#	2366235008	SCREW	1	
210-41#*	2066244608	SPRING	1	
210-44#*	1616240008	MAIN JET	1	
210-82#*	2366244508	SPRING 730-03012	1	
210-104#*	2366254108	PACKING	1	
700	1616390110	OIL PUMP ASSY	1	REPLACES 1616390100
710	0011406250	BOLT AND WASHER ASSY	2	
715	0565220011	CLIP	1	
720	1616350101	COLLAR CP (OIL INJ.)	1	
725*	1573500103	GASKET, INSULATOR	1	
*	KITCARBEC12HS	KIT,CARBURETOR EC12HS	1	INCLUDES ITEMS W/*

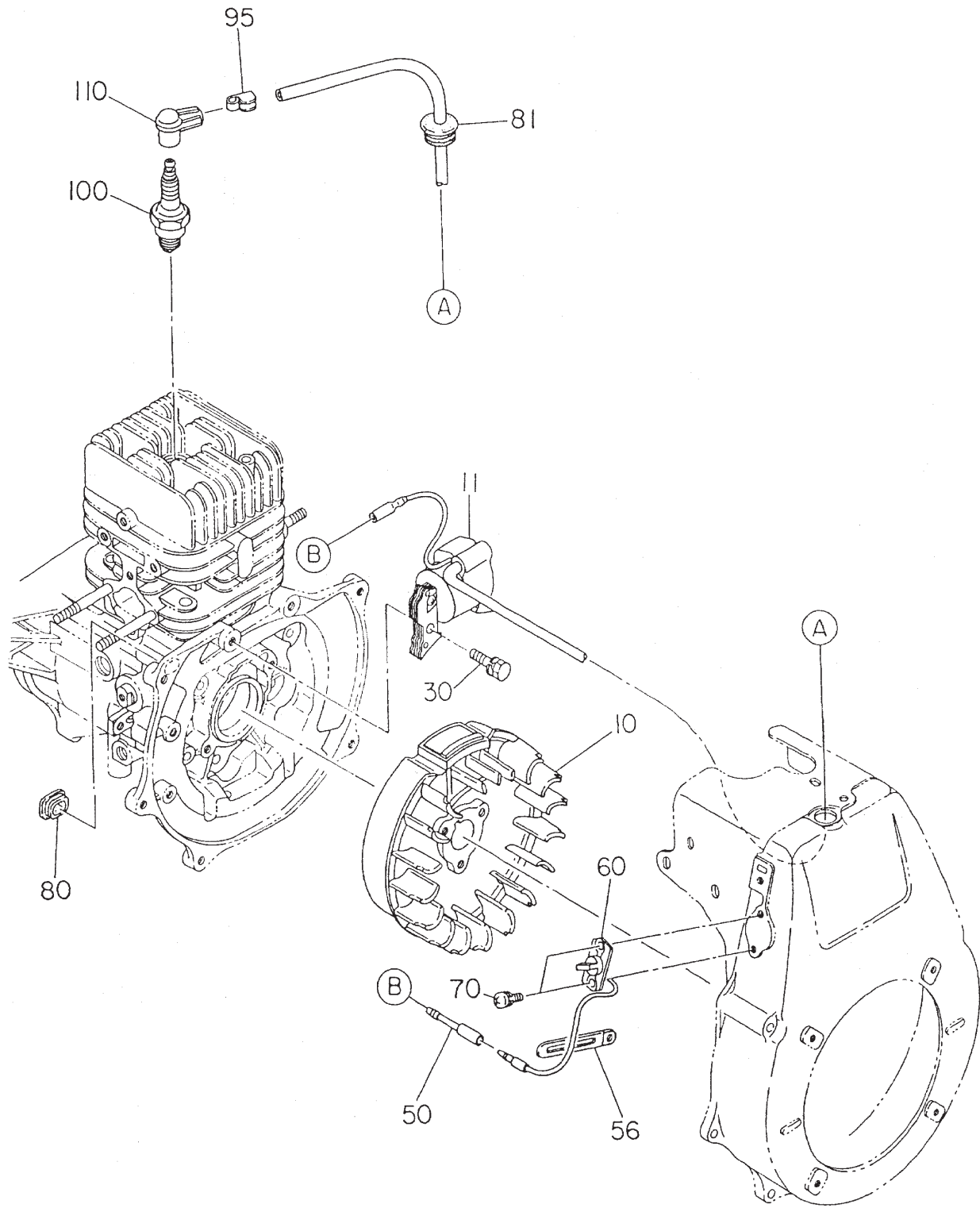
ROBIN EC12HS ENGINE — RECOIL STARTER ASSY.



ROBIN EC12HS ENGINE — RECOIL STARTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	1615110701	FAN COVER	1	REPLACES 1615110706
40	0011406200	BOLT AND WASHER ASSY	3	
41	0011406550	BOLT AND WASHER ASSY	2	
50	1615260203	CYLINDER BAFFLE	1	
70	1619186003	LABEL(ENGINE NAME)	1	
80	0110060020	FLANGE BOLT	3	
81	0152060070	TAPPING BOLT	3	
210	1615010400	RECOIL STARTER ASSY	1	INCLUDES ITEMS W/*
210-1*	2155051508	SPIRAL SPRING	1	
210-2*	1615012008	REEL	1	
210-3*	1615011008	STARTER ROPE	1	
210-4*	2365010108	STARTER KNOB	1	
210-5*	1615012508	RATCHET	2	
210-6**	2275013108	FRICTION SPRING	1	
210-7*	2275013508	RETURN SPRING	2	
210-11*	1615014518	STARTER PULLEY	1	
210-35*	1615015008	RATCHET GUIDE	1	
210-49*	2275015208	SET SCREW	1	
216	920100240	DECAL, (M-MARK)	1	
220	0011406120	BOLT AND WASHER ASSY	4	REPLACES 0011306120
230	0011306250	BOLT AND WASHER ASSY	3	
231	2267510103	CLAMP	1	
240	1615500113	PULLEY SPACER	1	

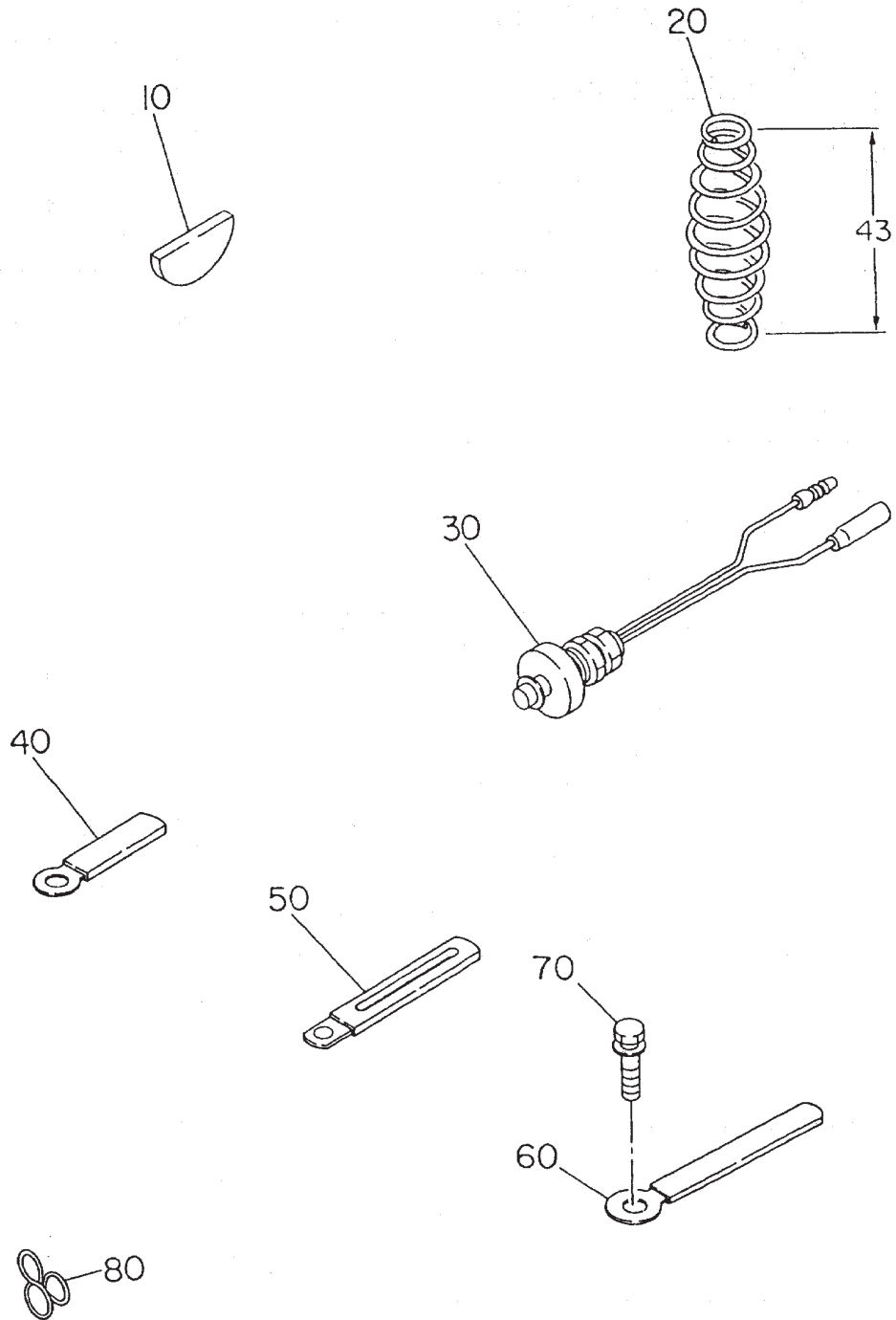
ROBIN EC12HS ENGINE — ELECTRIC DEVICE ASSY.



ROBIN EC12HS ENGINE — ELECTRIC DEVICE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	1617012008	FLYWHEEL COMPL.	1	
11	1617013008	IGNITION COIL CP	1	S/N 3531 & BELOW REPLACES 1617120101
11	1617120111	IGNITION COIL CP	1	S/N 3532 & ABOVE
30	0011006200	BOLT AND WASHER ASSY	2	
50	2147312201	WIRE 22 CP	1	
56	1507520103	CLAMP	1	
60	0669900217	STOP SWITCH AY (ON-OFF).....	1	REPLACES 0660000371
70	0043504120	SCREW AND WASHER ASSY	2	
80	1577500203	GROMMET	1	
81	1617500103	GROMMET, HIGH	1	
95	0659000010	PLUG TERMINAL	1	
100	0650140460	SPARK PLUG	1	
110	2307510113	SPARK PLUG CAP	1	

ROBIN EC12HS ENGINE — LOOSE PARTS



ROBIN EC12HS ENGINE — LOOSE PARTS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
10	0053204201	WOODRUFF KEY	1	
20	402010110	COIL SPRING.....	1	REPLACES 0830000010
30	1617260101	SWITCH FLOAT CP	1	
40	2267510103	CLAMP	1	
50	1507520103	CLAMP	1	
60	0566000170	CLAMP	1	
70	011008015	BOLT AND WASHER ASSY	1	REPLACES 0011308120
80	1616391008	CLIP	1	