PARTS MANUAL

MULTIQUIP®

Mikasa SERIES

MODEL MTR40F

TAMPING RAMMER

(ROBIN EH090D/EH092D GASOLINE ENGINES)

Revision #4 (10/01/20)

To find the latest revision of this publication or associated operation manual, visit our website at: www.multiquip.com

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

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MTR40F Tamping Rammer

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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.

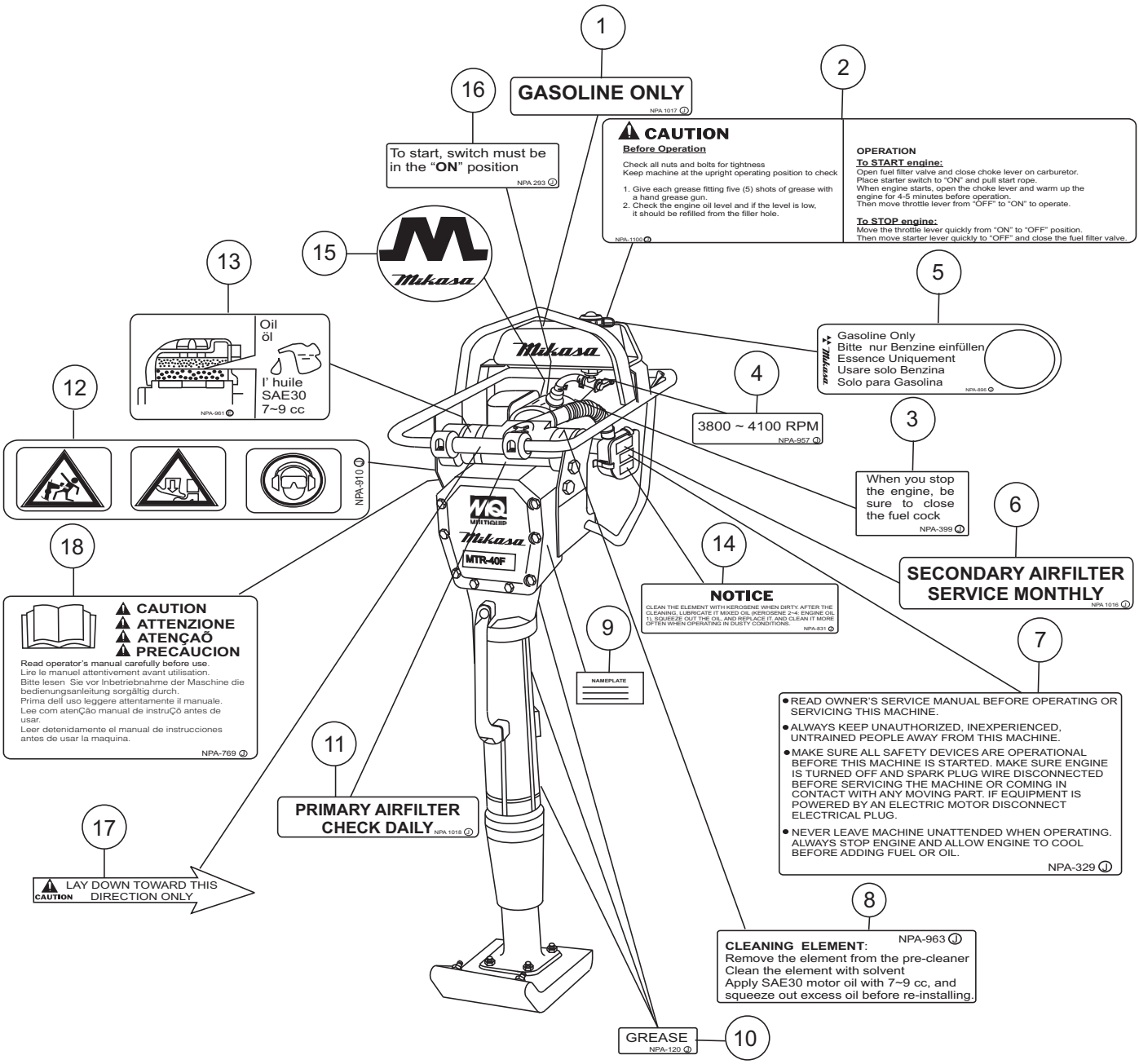
"Not Sold Separately" — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

MTR40F RAMMER 3 TO 5 UNITS WITH ROBIN EH-09D45050/EH-092D45010 ENGINES

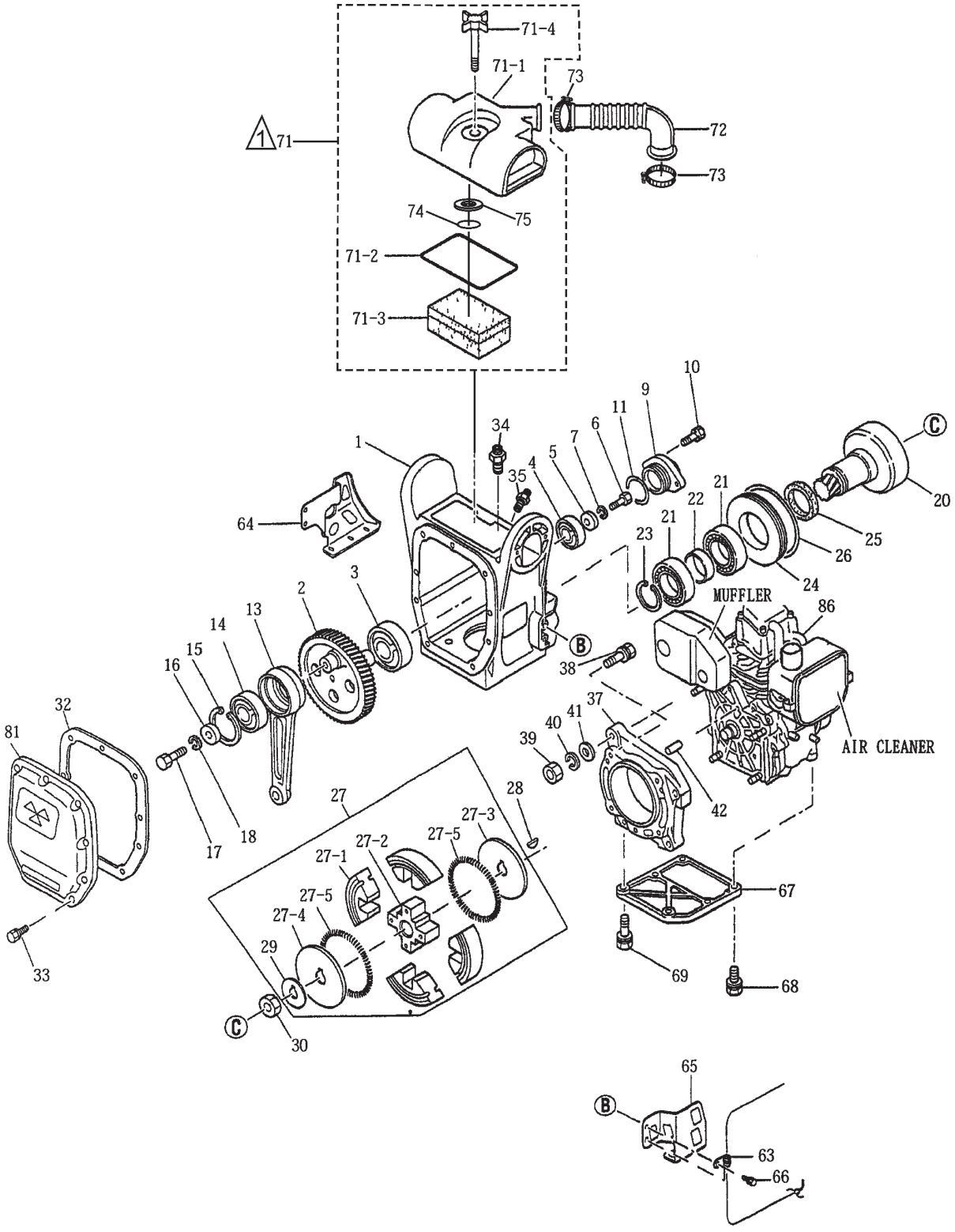
Qty.	P/N	Description
1	362910060	LEVER, THROTTLE
1	956100040	THROTTLE WIRE
3	362030030	ELEMENT, AIR CLEANER
5	362030020	PACKING, AIR CLEANER
3	362455670	ELEMENT, CRANKCASE
1	361910021	CAP, FUEL TANK W/ STRAP
1	954300720	COCK, FUEL ASSY.
2	301419750	FILTER, IN-LINE FUEL
3	2743260307	ELEMENT, SET ENGINE
1	0660000361	STOP, SWITCH
3	0650140470	SPARK PLUG, NKG
1	362454441	CLUTCH
3	2745011108	STARTER ROPE
1	954404890	FILTER, FUEL TANK (UPPER)
1	954406010	STRAINER, FUEL TANK (LOWER)

NOTICE

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


1
GASOLINE ONLY
NPA 1017
2
CAUTION
Before Operation
Check all nuts and bolts for tightness
Keep machine at the upright operating position to check
1. Give each grease fitting five (5) shots of grease with a hand grease gun.
2. Check the engine oil level and if the level is low, it should be refilled from the filler hole.
NPA-1100
OPERATION
To START engine:
Open fuel filter valve and close choke lever on carburetor.
Place starter switch to "ON" and pull start rope.
When engine starts, open the choke lever and warm up the engine for 4-5 minutes before operation.
Then move throttle lever from "OFF" to "ON" to operate.
To STOP engine:
Move the throttle lever quickly from "ON" to "OFF" position.
Then move starter lever quickly to "OFF" and close the fuel filter valve.
16
To start, switch must be in the "ON" position
NPA 293
15
Mikasa
13
Oil
öl
l' huile
SAE30
7~9 cc
NPA-961
12
NPA-910
18
CAUTION
ATTENZIONE
ATENÇAÕ
PRECAUCION
Read operator's manual carefully before use.
Lire le manuel attentivement avant utilisation.
Bitte lesen Sie vor Inbetriebnahme der Maschine die bedienungsanleitung sorgältig durch.
Prima dell uso leggere attentamente il manuale.
Lee com atenÇão manual de instruÇõ antes de usar.
Leer detenidamente el manual de instrucciones antes de usar la maquina.
NPA-769
17
CAUTION
LAY DOWN TOWARD THIS DIRECTION ONLY
11
PRIMARY AIRFILTER
CHECK DAILY
NPA 1018
5
Gasoline Only
Bitte nur Benzine einfüllen
Essence Uniquement
Usare solo Benzina
Solo para Gasolina
NPA-896
4
3800 ~ 4100 RPM
NPA-957
3
When you stop the engine, be sure to close the fuel cock
NPA-399
6
SECONDARY AIRFILTER
SERVICE MONTHLY
NPA 1016
14
NOTICE
CLEAN THE ELEMENT WITH KEROSENE WHEN DIRTY. AFTER THE CLEANING, LUBRICATE IT MIXED OIL (KEROSENE 2~4: ENGINE OIL 1). SQUEEZE OUT THE OIL, AND REPLACE IT. AND CLEAN IT MORE OFTEN WHEN OPERATING IN DUSTY CONDITIONS.
NPA-831
9
NAMEPLATE
7
READ OWNER'S SERVICE MANUAL BEFORE OPERATING OR SERVICING THIS MACHINE.
ALWAYS KEEP UNAUTHORIZED, INEXPERIENCED, UNTRAINED PEOPLE AWAY FROM THIS MACHINE.
MAKE SURE ALL SAFETY DEVICES ARE OPERATIONAL BEFORE THIS MACHINE IS STARTED. MAKE SURE ENGINE IS TURNED OFF AND SPARK PLUG WIRE DISCONNECTED BEFORE SERVICING THE MACHINE OR COMING IN CONTACT WITH ANY MOVING PART. IF EQUIPMENT IS POWERED BY AN ELECTRIC MOTOR DISCONNECT ELECTRICAL PLUG.
NEVER LEAVE MACHINE UNATTENDED WHEN OPERATING. ALWAYS STOP ENGINE AND ALLOW ENGINE TO COOL BEFORE ADDING FUEL OR OIL.
NPA-329
8
NPA-963
CLEANING ELEMENT:
Remove the element from the pre-cleaner
Clean the element with solvent
Apply SAE30 motor oil with 7~9 cc, and squeeze out excess oil before re-installing.
GREASE
NPA-120
10
MTR-40F

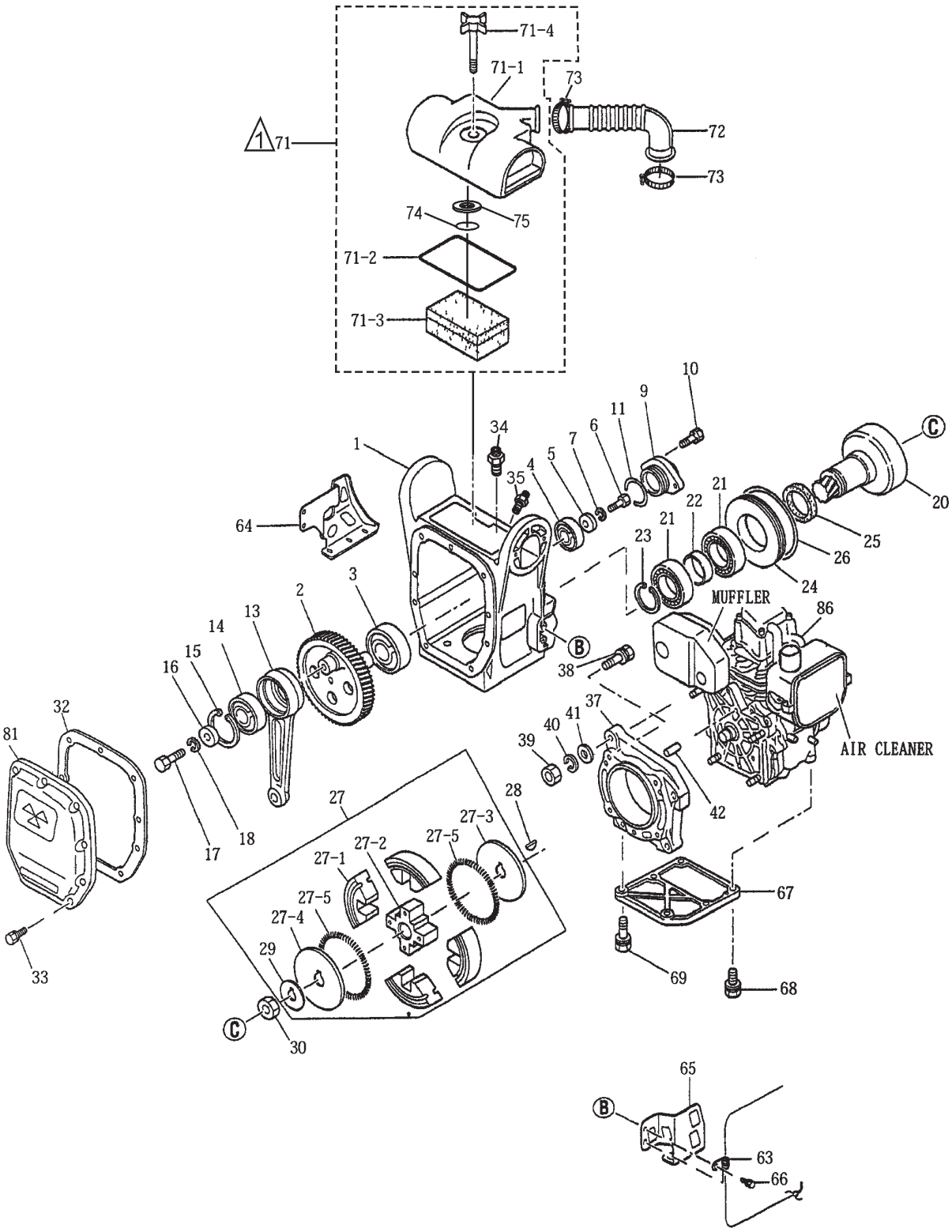
NO	PART NO	PART NAME	QTY.	REMARKS
1	NPA1017	DECAL: GASOLINE ONLY	1	
2	NPA1100	DECAL: CAUTION (OPERATION)	1	
3	920203990	DECAL: CAUTION (FUEL COCK)	1	
4	NPA957	DECAL: ENGINE RPM	1	
5	NPA896	DECAL: ELEMENT SET	1	
6	NPA1016	DECAL: SECONDARY AIR FILTER	1	
7	920203290	DECAL: CAUTION	1	
8	920209630	DECAL: CLEANING ELEMENT	1	
9	920209910	PLATE: SERIAL NO.	1	..... CONTACT MQ PARTS DEPT.
10	920101200	DECAL: GREASE	3	
11	NPA1018	DECAL: PRIMARY AIR FILTER	1	
12	920209100	DECAL: RAMMER BOOT & HEARING	1	
13	920209610	DECAL: DECAL OIL 7-9 CC	1	
14	NPA831	DECAL: CAUTION/OIL INJECT	1	
15	920100240	DECAL: (M-MARK)	1	
16	920202930	DECAL: SWITCH-ON	1	
17	NPA691	DECAL: LAYDOWN	1	
18	NPA769	DECAL: CAUTION	1	



NOTES:

1. AIR CLEANER ASSY., INCLUDES ITEMS WITHIN DASHED LINES EXCEPT FOR ITEMS 74 AND 75.

NO	PART NO	PART NAME	QTY.	REMARKS
1	305117260	CRANK CASE	1	
2	305343780	CRANK GEAR	1	
3	041006305	BEARING 6305Z	1	
4	041006203	BEARING 6203Z	1	
5	952401450	WASHER 8.5 x 22 x 3	1	
6	001220825	BOLT 8 x 25 T	1	
7	030208200	WASHER, LOCK M8	1	
9	362455660	BEARING COVER	1	
10	002210620	BOLT 6X20 H,SW	2	
11	050100350	O-RING G-35	1	
13	305333090	CONNECTING ROD	1	
14	042006304	BEARING 6304ZZ	1	
15	080100520	STOP RING R-52	1	
16	952400130	WASHER 9304	1	
17	001220825	BOLT 8 x 25 T	1	
18	030208200	WASHER, LOCK M8	1	
20	303010084	PINION	1	
21	042006007	BEARING 6007ZZ	2	
22	351437750	SPACER 35.4-42.7-11	1	
23	080200350	STOP RING S-35	1	
24	351421900	SPACER, CLUTCH DRUM	1	
25	060504010	OIL SEAL VB-40525	1	
26	050300900	O-RING S-90	1	
27	362454441	CLUTCH ASSY. CE120P 1.6T	1	..... INCLUDES ITEMS W/*
27-1*	943020020	CLUTCH SHOE C812	4	
27-2*	943050050	CLUTCH BOSS C812	1	
27-3*	943060100	CLUTCH GUIDE (A)	1	
27-4*	943060020	CLUTCH GUIDE (B)	1	
27-5*	943030021	CLUTCH SPRING	2	
28	0053204201	WOODRUFF KEY	1	
29*	301010210	LOCK WASHER, CLUTCH	1	
30	0173120010	LOCK NUT	1	
32	362341610	PACKING, FRONT COVER	1	
33	002200620	BOLT 6 x 20 H,SW	9	
34	351010050	GREASE FITTING A-MT6X1	1	
35	351010320	GREASE FITTING B-MT6X1	1	
37	2741500123	ADAPTER FLANGE	1	
38	0011408400	BOLT AND WASHER ASSY.	4	
39	0021808000	NUT	4	
40	0032008000	WASHER, LOCK	4	

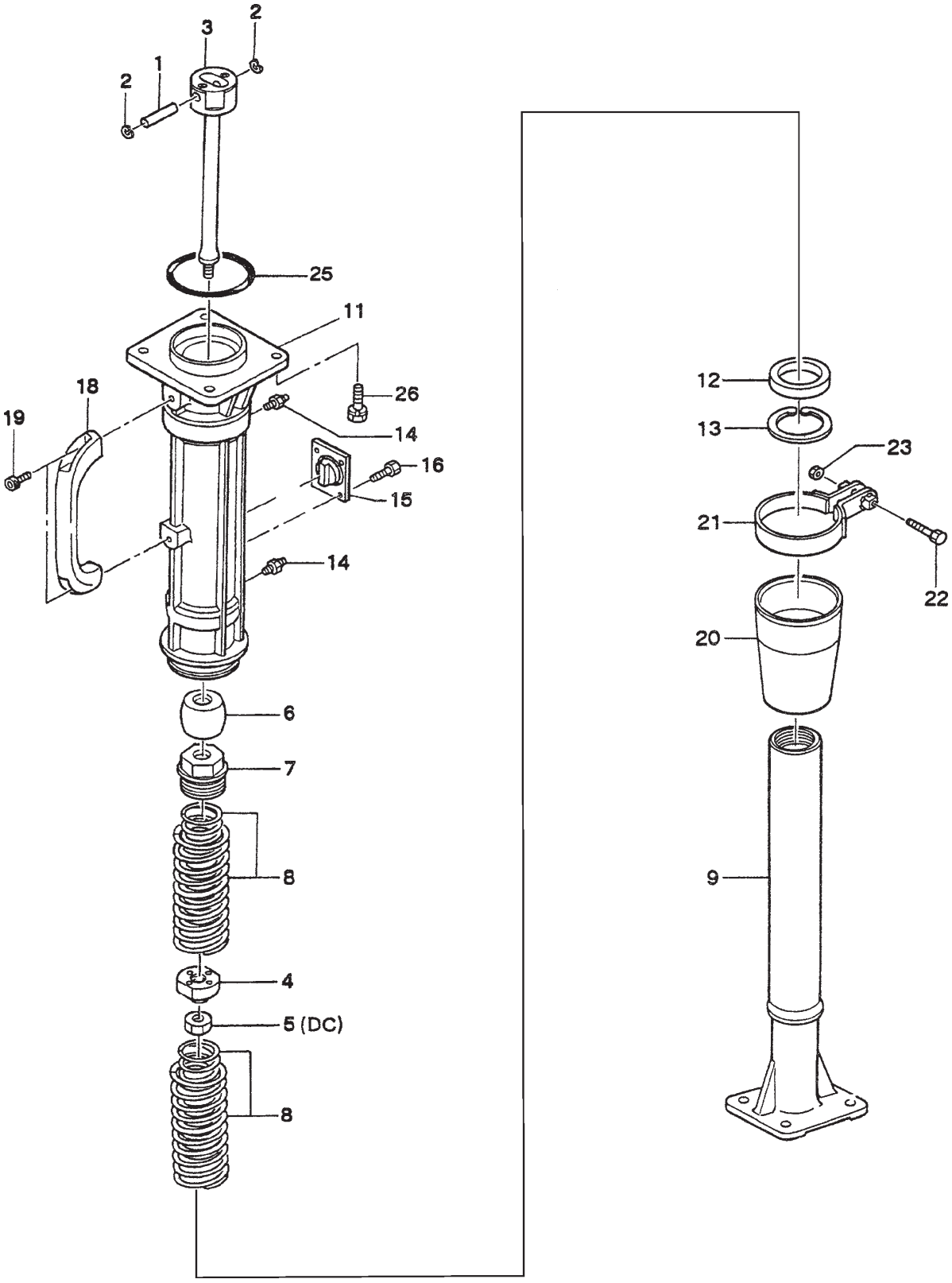


NOTES:

1. AIR CLEANER ASSY., INCLUDES ITEMS WITHIN DASHED LINES EXCEPT FOR ITEMS 74 AND 75.

CONTINUED

NO	PART NO	PART NAME	QTY.	REMARKS
41	0031108000	WASHER	4	
42	0310060020	DOWEL PIN	2	
63	959006120	CLIP (TCP-10509B)	1	
64	362341620	OIL GAUGE PROTECTOR	1	
65	362341630	LINK PROTECTOR	1	
66	002400820	BOLT 8X20 W/FLAT/LOCK WASHER	4	
67	2741600113	STIFFENER	1	
68	0011408250	BOLT AND WASHER	4	
69	0011408300	BOLT AND WASHER ASSY.	2	
71	362116871	AIR CLEANER ASSY.	1	..... INCLUDES ITEMS W/#
71-1#	362030011	COVER CP, AIR CLEANER	1	
71-2#	362030020	PACKING, AIR CLEANER	1	
71-3#	362030030	ELEMENT CP, AIR CLEANER	1	
71-4#	362030040	BOLT CP, AIR CLEANER	1	
72	353342400	INTAKE PIPE	1	
73	507010110	CLAMP TC-200	2	
74	050300070	O-RING (7)	1	
75	031108160	WASHER, FLAT M8	1	
81	306010020	FRONT COVER	1	
86	911210905	ENGINE ASSY., EH09D		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5 (DC)
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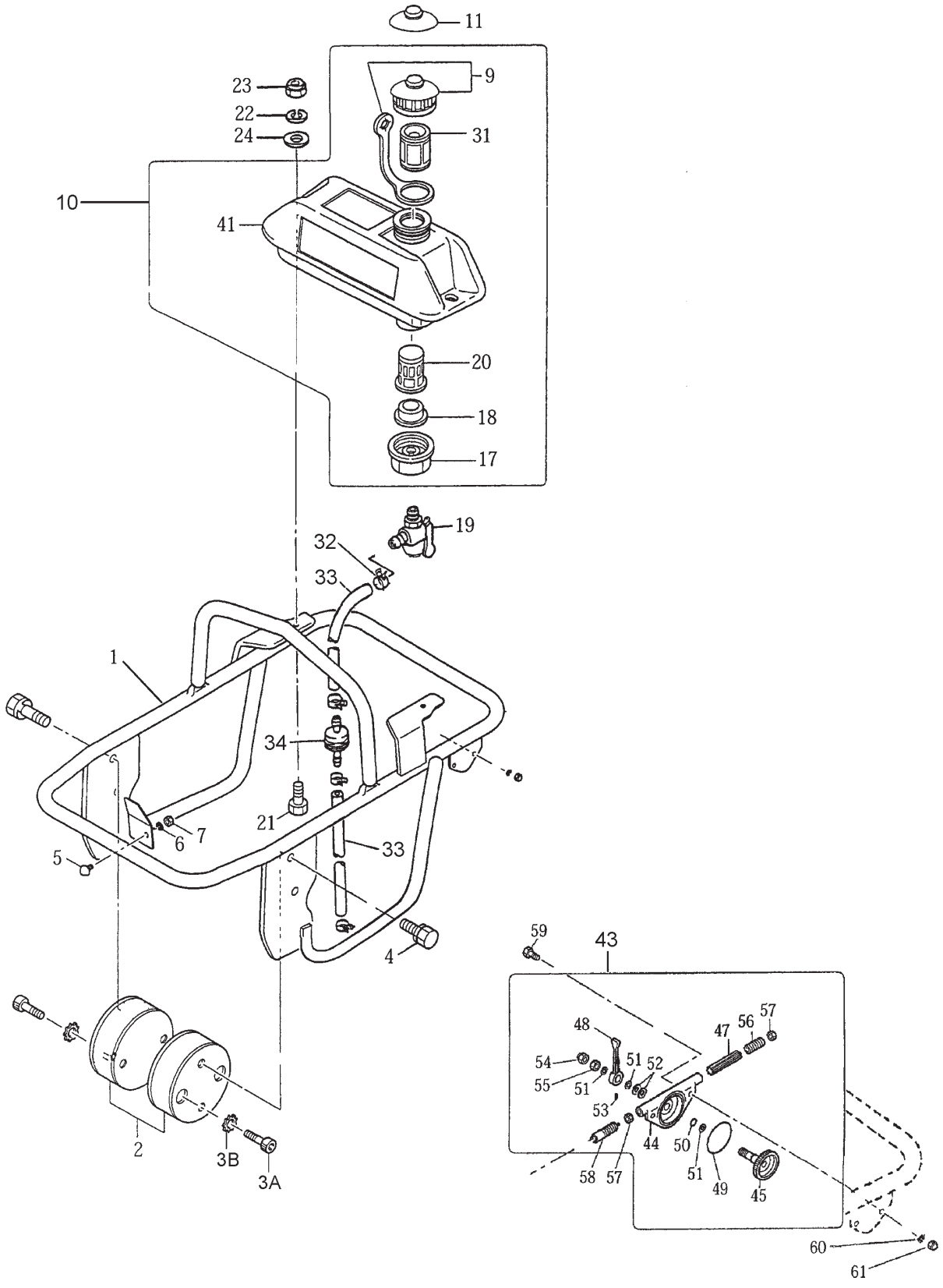
9

GUIDE CYLINDER ASSY.

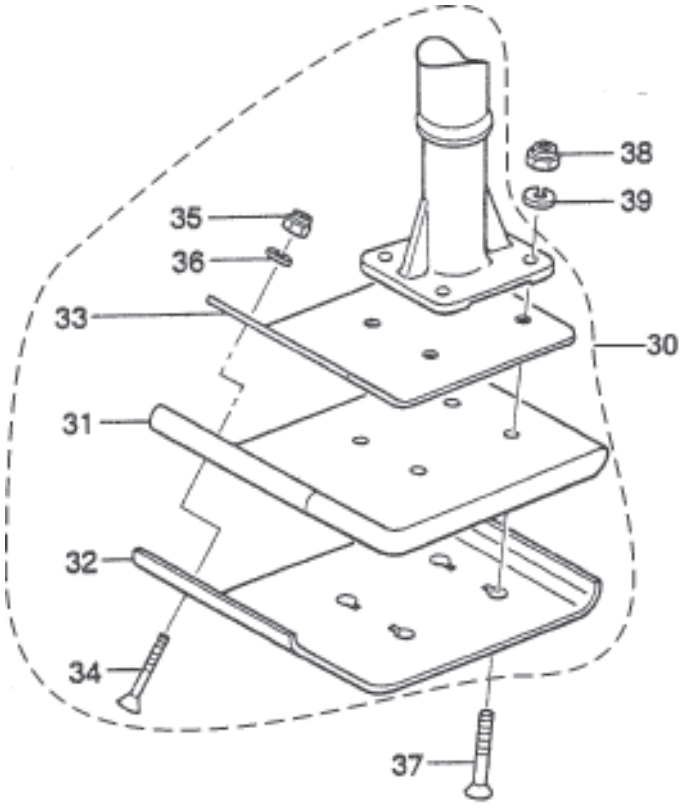
NO	PART NO	PART NAME	QTY.	REMARKS
1	305446380	PISTON PIN	1	
2	080100120	STOP RING R-12	2	
3	305337980	PISTON ROD,M14	1	
4	305451550	PISTON END, M14	1	
6	305446400	STOPPER, UPPER	1	
7	305446410	CYLINDER CAP	1	
8	305446420	MAIN SPRING	2	
9	305212710	SPRING CYLINDER	1	
11	305112730	GUIDE CYLINDER	1	
12	065105010	DUST SEAL DKI-5367811	1	
13	080510680	STOP RING TH-R-68	1	
14	351010050	GREASE FITTING A-MT6x1	2	
15	305446430	STOPPER	1	
16	001220816	BOLT 8x15 H, SW	4	
18	305446440	GRIP	1	
19	001520815	SOCKET HEAD BOLT 8x15 T	2	
20	305446450	DUST SLEEVE	1	
21	305446460	SLEEVE BAND	1	
22	011208030	BOLT 8x30	1	
23	020308060	NUT M8	1	
25	050100800	O-RING G-80	1	
26	002211025	BOLT 10x25 H, SW	4	

TANK AND HANDLE ASSY.



TANK AND HANDLE ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
1	306117960	HANDLE	1	
2	351319900	SHOCK ABSORBER	2	
3A	009110007	SOCKET HEAD BOLT 10x20 T	4	
3B	033121009	TOOTHED LOCKWASHER B M10	4	
4	002211020	BOLT 10x20 H, SW	4	
5	939010210	STOPPER RUBBER EH1002	1	
6	030208200	WASHER, LOCK M8	1	
7	020308060	NUT M8	1	
9#	361910021	TANK CAP CP (ORANGE)	1	
10	305910032	FUEL TANK ASSY.	1	INCLUDES ITEMS W/ #
11	361455740	SUB CAP	1	
17#	351437785	HOLDER, COCK	1	
18#	954406020	PACKING, FUEL TANK	1	
19	954300720	FUEL COCK ASSY./CVL-08	1	
20#	954406010	STRAINER (#110)	1	
21	001220830	BOLT 8x30 T	2	
22	030208200	WASHER, LOCK M8	2	
23	022710809	NYLON NUT M8	2	
24	952401450	WASHER 8.5x22x3	2	
31#	954404890	FILTER, TANK	1	
32	954403030	HOSE BAND (8)	4	S/N S-3129 AND BELOW
32	0561080020	HOSE CLAMP	4	S/N S-3130 AND ABOVE
33	351436350	FUEL HOSE, L=150	2	S/N S-3129 AND BELOW
33	0851041790	FUEL HOSE FOR EVP, L=150	2	S/N S-3130 AND ABOVE
34	301419750	FUEL FILTER CP	1	
41#	362116890	F. TANK 2L (GRAY)	1	
43	362910060	THROTTLE LEVER ASSY.	1	INCLUDES ITEMS W/ *
44*	362341550	THROTTLE BODY	1	
45*	362910090	THROTTLE, GEAR CP. W/ BOLT	1	
47*	362455620	SLIDER	1	
48*	362455630	THROTTLE LEVER	1	
49*	050100450	O-RING G-45	1	
50*	050200100	O-RING P-10	1	
51*	031110160	WASHER, FLAT M10	3	
52*	033910070	CONICAL SPRING WASHER	2	
53*	096206006	SOCKET HEAD SCREW 6 x 6	1	
54	022131008	CAP NUT M10	1	
55	020410060	NUT M10, H=6	1	
56*	096208020	SOCKET HEAD SCREW 8 x 20	1	
57*	020408050	NUT M8, H=5	2	
58*	956100040	THROTTLE WIRE 620-710	1	
59	001220620	BOLT 6X20 T	2	
60	030206150	WASHER, LOCK	2	
61	022130605	CAP NUT M6	2	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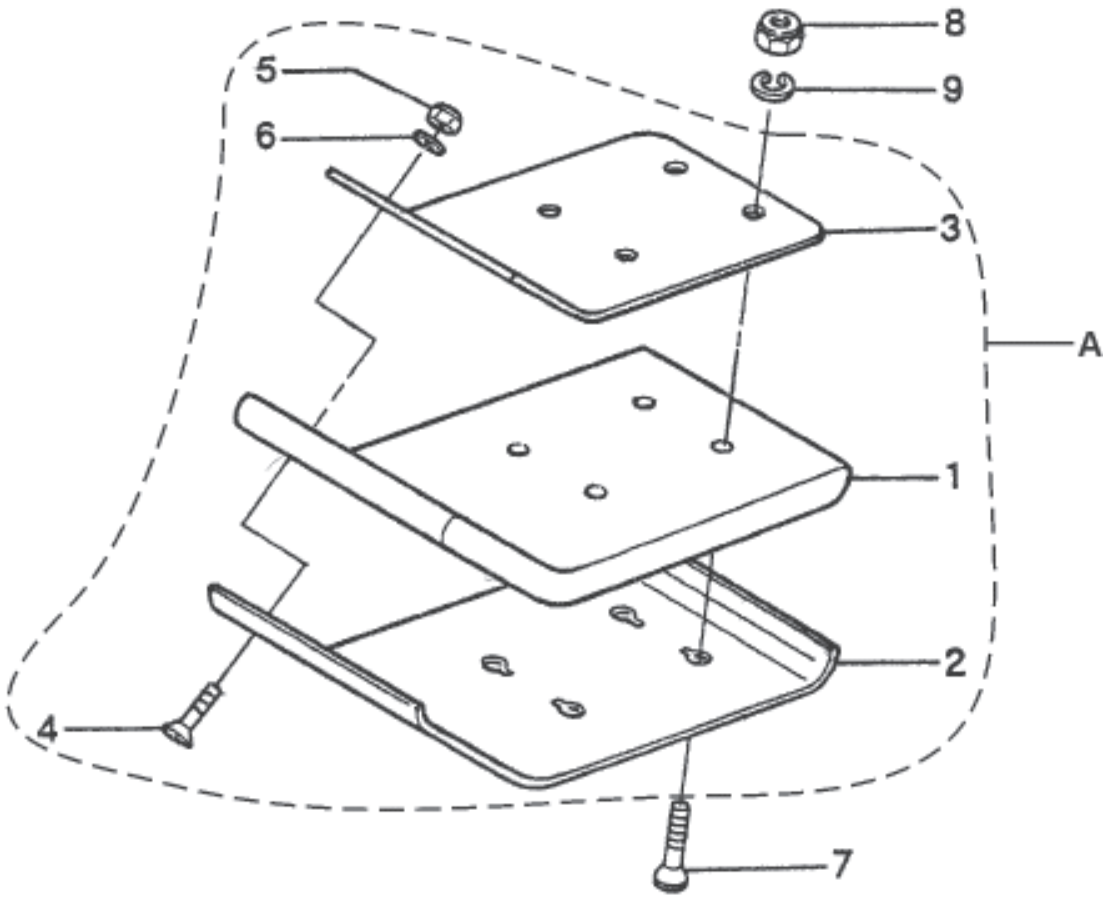
37

FOOT ASSY. (OPTION)

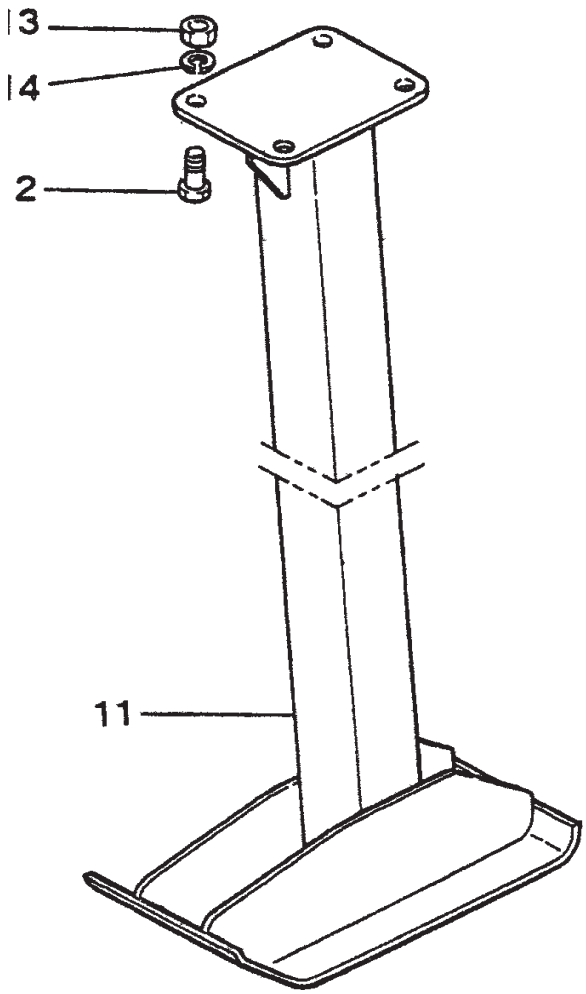
NO	PART NO	PART NAME	QTY.	REMARKS
30	305910010	FOOT ASSY. 150B	1	INCLUDES ITEMS W/*
31*	305333120	FOOT 150B	1	
32*	305333130	METAL SHEET 150B	1	
33*	305446470	FOOT COVER	1	
34*	015110055	SUNK HEAD BOLT 10x50 H	2	
35*	022711012	NYLON NUT M10	2	
36*	030210250	WASHER, LOCK M10	2	
37	015112075	SUNK HEAD BOLT 12x60 H	4	
38	022711214	NYLON NUT M12	4	
39	030212300	WASHER, LOCK M12	4	

NARROW FOOT ASSY. (OPTION)



NARROW FOOT ASSY. (OPTION)

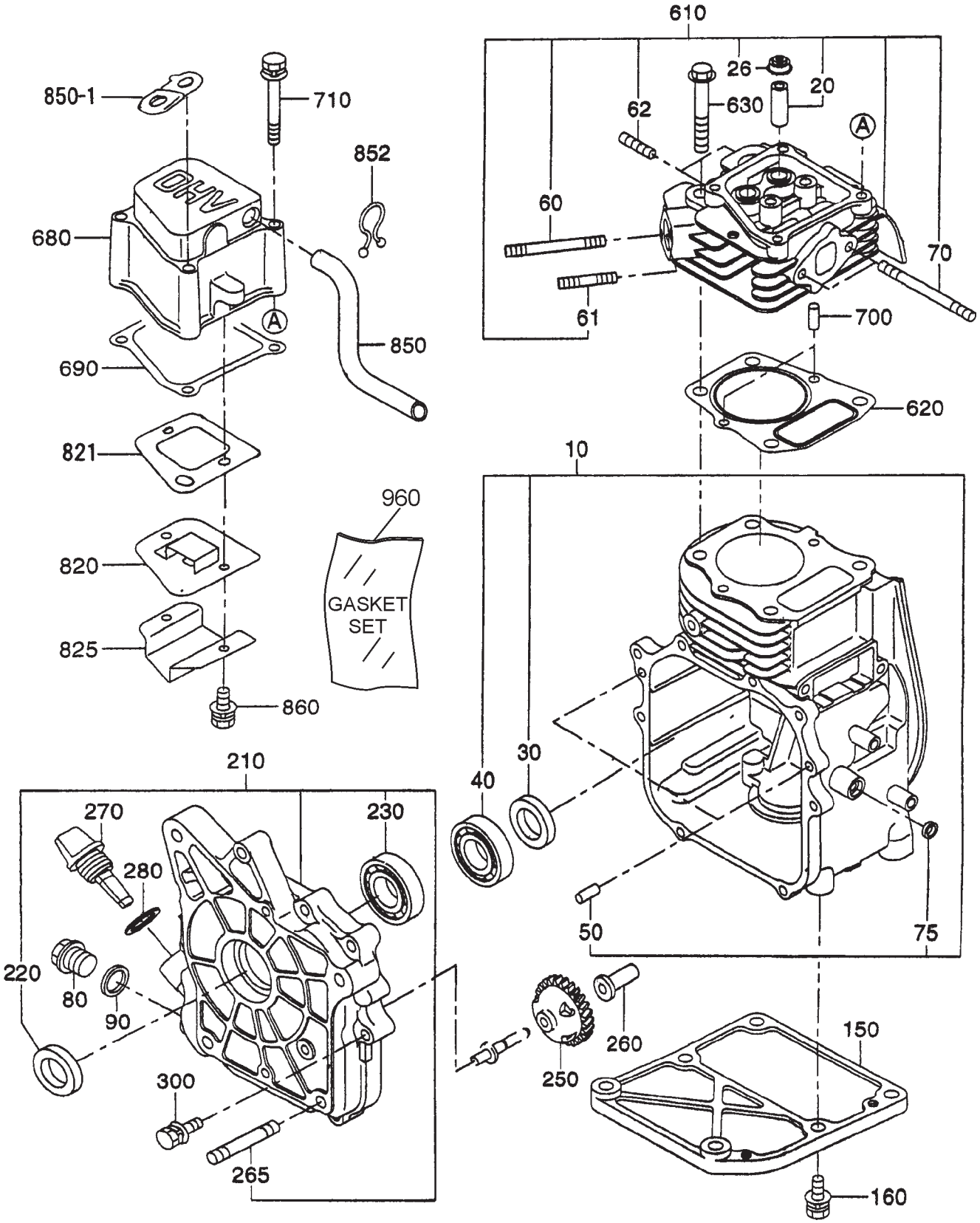
NO	PART NO	PART NAME	QTY.	REMARKS
A	305910020	FOOT ASSY. 200B	1	INCLUDES ITEMS W/*
A	305910040	FOOT ASSY. 100B	1	INCLUDES ITEMS W/#
1*	305333140	FOOT 200B	1	200B
1#	305334930	FOOT 100B	1	100B
2*	305333150	METAL SHEET 200B	1	200B
2#	305334940	METAL SHEET 100B	1	100B
3*	305446470	FOOT COVER	1	200B
3#	305447810	FOOT COVER 96B	1	100B
4*#	001611050	SUNK HEAD BOLT 10x50 H	2	
5*#	022711012	NYLON NUT M10	2	
6*#	030210250	WASHER, LOCKM10	2	
7	001611252	SUNK HEAD BOLT 12x60 H	4	
8	022711214	NYLON NUT M12	4	
9	030212300	WASHER, LOCK M10	4	


3
4
2
11

TRENCH SHOE ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
11	305333160	TRENCH SHOE 500H-120B	1	
11	305333170	TRENCH SHOE 800H-120B	1	
11	305334390	TRENCH SHOE 305H-100B	1	
12	001221235	BOLT 12x35 T	4	
13	020312100	NUT M12	4	
14	030212300	WASHER, LOCK M12	4	

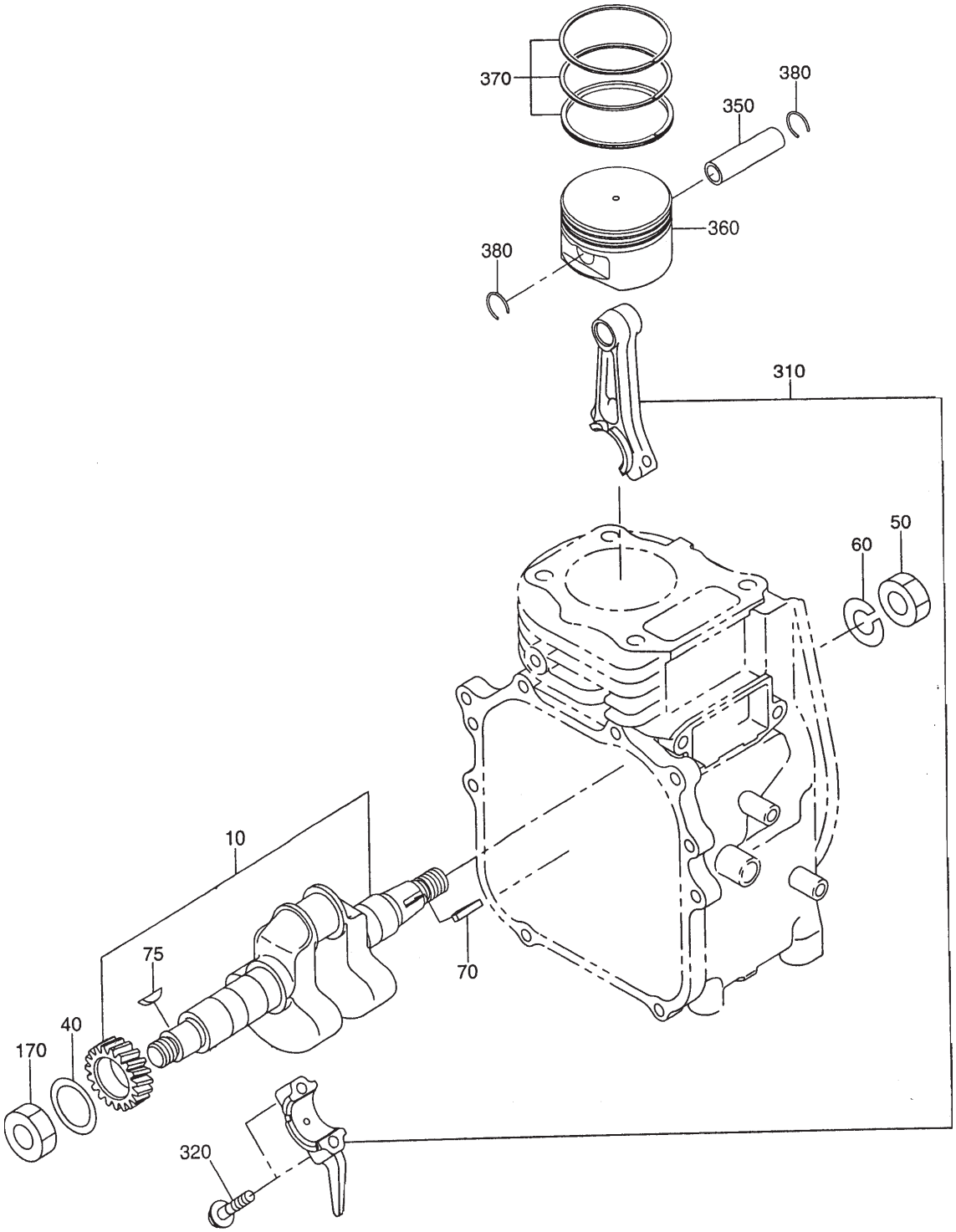
ROBIN EH-090D ENGINE — CRANKCASE ASSY.



ROBIN EH-090D ENGINE — CRANKCASE ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2741010121	CRANKCASE CP	1	INCLUDES ITEMS W/#
20%	2371420203	VALVE GUIDE	2	
26	2371600801	STEM SEAL CP	1	
30#	0440200070	OIL SEAL 20X32X6	1	
40#	0600200140	BALL BEARING	1	
50#	0310060020	DOWEL PIN	2	
60%	0013906600	STUD	1	
61%	0105060200	STUD	1	
62%	0105060170	STUD	2	
70%	0105060160	STUD	2	
75#	0440060010	OIL SEAL 6X10X2.5	1	
80	0401140030	PLUG	1	
90	0211140020	GASKET	1	
150	2741600113	STIFFENER	1	
160	0011408250	BOLT & WASHER	2	
210	2741100131	MAIN BEARING COVER	1	INCLUDES ITEMS W/*
220*	0440200110	OIL SEAL 20X32X6	1	
230*	0600200140	BALL BEARING	1	
250	2304500301	GOVERNOR GEAR CP	1	
260	2054190103	GOVERNOR SLEEVE	1	
265	0013908500	STUD	4	
270	2306360113	OIL GAUGE	1	
280	0213160020	GASKET	1	
300	0130060200	BOLT & WASHER	9	
610	2741300131	CYLINDER HEAD CP	1	INCLUDES ITEMS W/%
620	2741550103	GASKET, HEAD	1	
630	0110080210	FLANGE BOLT	4	
680	2741550223	ROCKER COVER	1	
690	2741600403	GASKET (ROCKET COVER)	1	
700	0310060020	DOWEL PIN	2	
710	0011406600	BOLT & WASHER ASSY.	4	
727	0566000250	CLAMP	1	
820	2741440101	BREATHER PLATE CP	1	
821	2741620103	GASKET/BREATHER PLATE	1	
825	2741440503	OIL SHELTER PLATE	1	
850	2741610203	BREATHER PIPE	1	
850-1	0566000331	CLAMP, BREATHER, PIPE	1	
852	0569000010	HOSE CLIP	1	
860	0011305100	BOLT & WASHER ASSY.	2	
960	2749900107	GASKET SET	1	

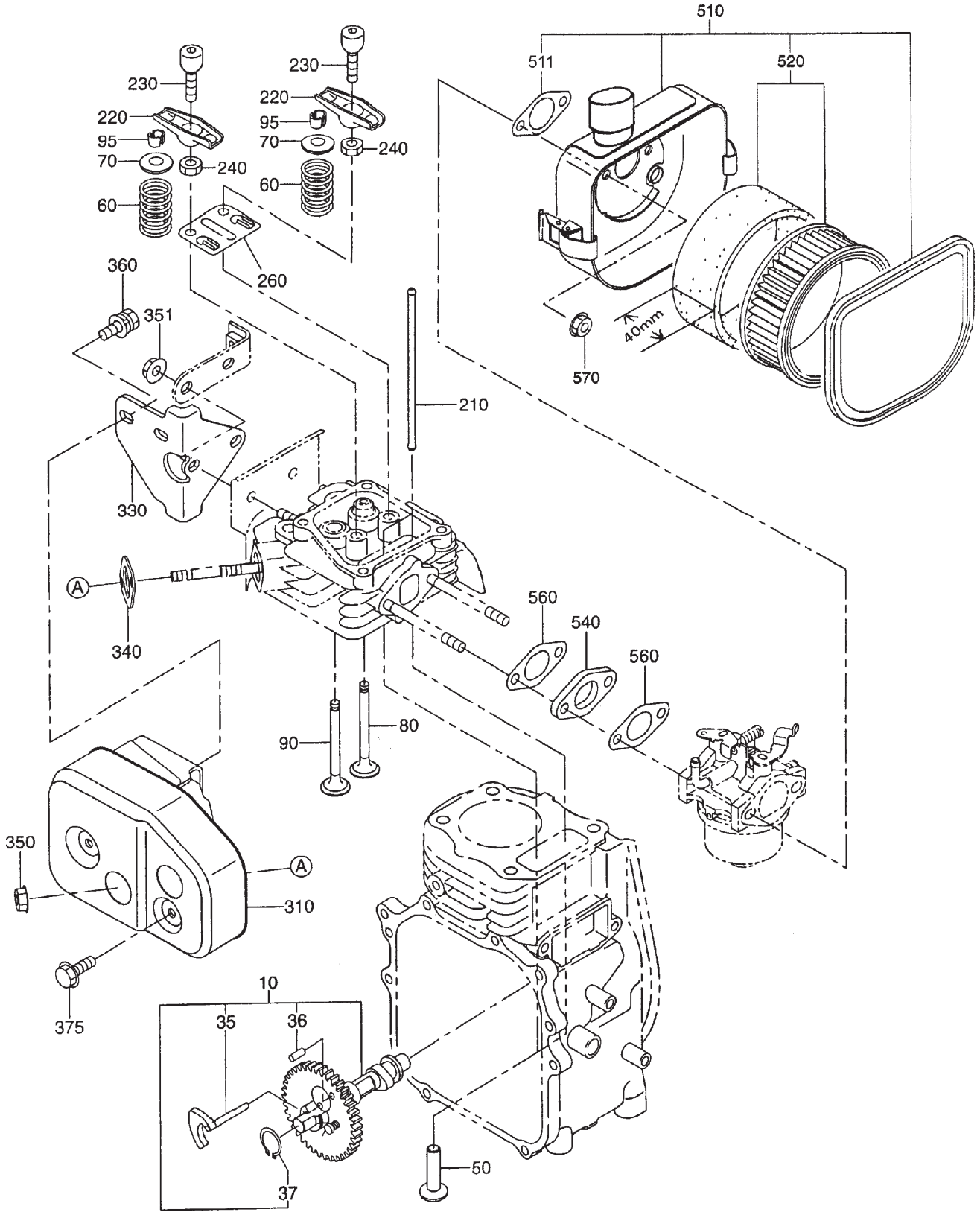
ROBIN EH-090D ENGINE — CRANKSHAFT AND PISTON ASSY.



ROBIN EH-090D ENGINE — CRANKSHAFT AND PISTON ASSY.

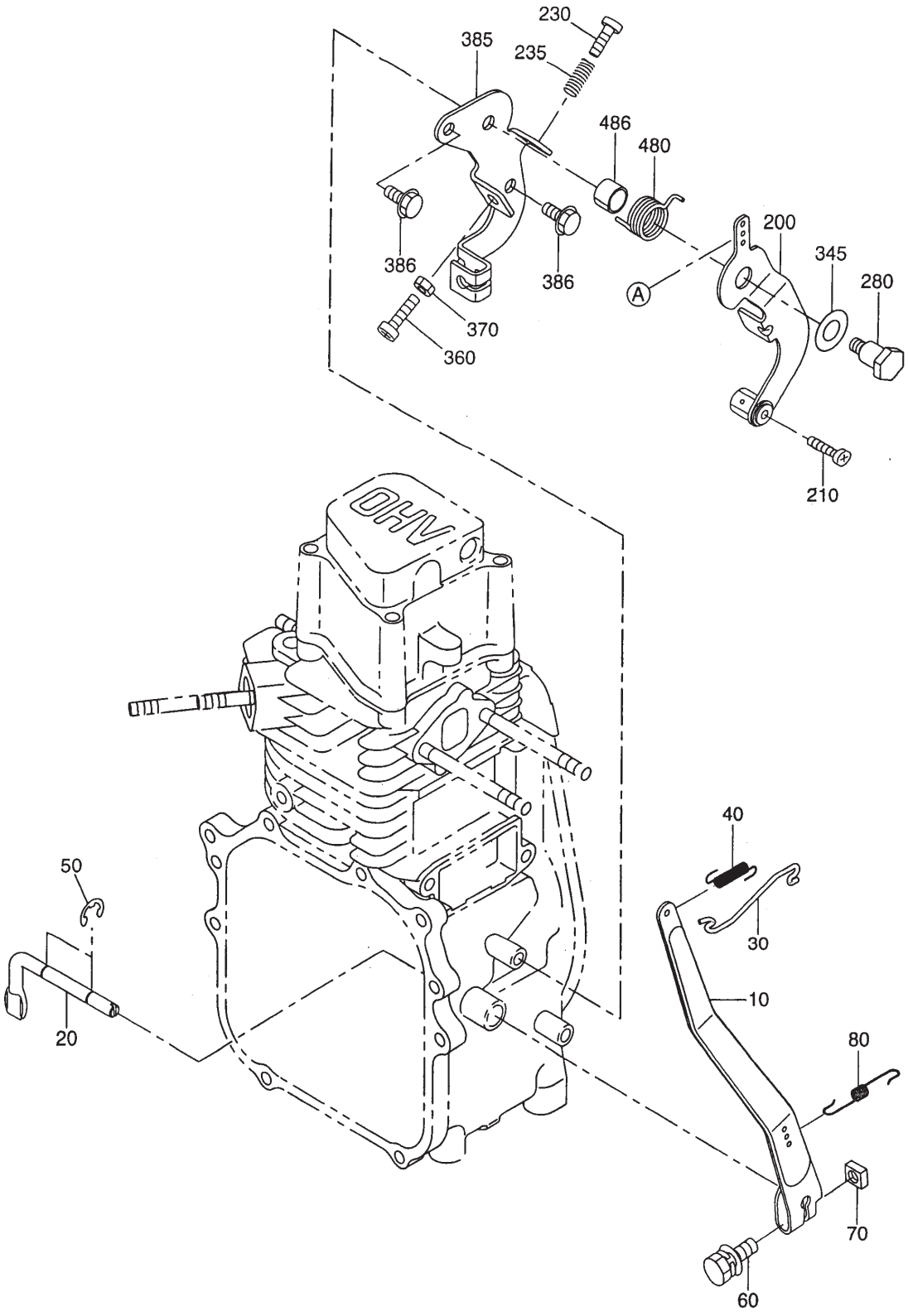
NO	PART NO	PART NAME	QTY.	REMARKS
10	2742010141	CRANKSHAFT CP	1	INCLUDES ITEMS W/#
40	0230200100	SPACER T=0.8	1	
40	0230200110	SPACER T=1.0	1	
40	0230200120	SPACER T=1.2	1	
50	0021812000	NUT	1	
60	0032012000	SPRING WASHER	1	REPLACES 0032012000
70	0053203101	WOODRUFF KEY	1	
75#	0053204201	WOODRUFF KEY	1	
170	0173120010	LOCK NUT	1	
310	2302250120	CONNECTING ROD ASSY.	1	
320	2302300123	CONNECTING ROD BOLT	2	
350	2302330103	PISTON PIN	1	
360	2742340103	PISTON	1	
360	2742340203	PISTON 0.25MM	1	
360	2742340303	PISTON 0.50MM	1	
370	2742350107	PISTON RING SET	1	
370	2742350207	PISTON RING SET 0.25MM	1	
370	2742350307	PISTON RING SET 0.50MM	1	
380	0565110010	CLIP	2	

ROBIN EH-090D ENGINE — INTAKE AND EXHAUST ASSY.



ROBIN EH-090D ENGINE — INTAKE AND EXHAUST ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2743170101	CAMSHAFT CP	1	INCLUDES ITEMS W/%
34	2273860123	PIN (SPRING)	1	
35%	2743640103	RELEASE LEVER	1	
36%	0051904100	SPRING PIN	1	
37%	0031517000	SNAP RING	1	
38	2743870103	RETURN SPRING	1	
50	2743330103	TAPPET	2	
60	2743360103	VALVE SPRING	2	
70	2743370103	SPRING RETAINER	2	
80	2743340103	INTAKE VALVE	1	
90	2743350103	EXHAUST VALVE	1	
95	13210KA031	COLLET VALVE	4	
210	2743530103	PUSH ROD	2	
220	2743600103	ROCKER ARM	2	
230	2693580103	BOLT (PIVOT)	2	
240	0170060090	NUT	2	
260	2743650103	GUIDE PLATE	1	
310	2743010211	MUFFLER CP	1	
330	2743700111	BRACKET CP (MUFFLER)	1	
340	2743520101	GASKET CP (EXHAUST)	1	
350	0176060020	SELF LOCK NUT	2	
351	0023806000	FLANGE NUT	2	REPLACES 0023806000
360	0110060010	BOLT AND WASHER ASSY.	2	REPLACES 0011406120
375	0011306120	FLANGE BOLT	2	REPLACES 0110060010
510	2743260400	AIR CLEANER ASSY.	1	INCLUDES ITEMS W/*
510-2*	2303262008	GASKET	1	
520*	2743260307	ELEMENT SET	1	
540	2303290103	INSULATOR	1	
550	2303590103	GASKET (INSULATOR)	1	
560	2303590203	GASKET 2 (INSULAT0R)	2	
570	0176060020	SELF LOCK NUT	2	


230
385
235
486
480
386
386
200
345
280
370
360
A
210
OHV
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50
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10
80
20
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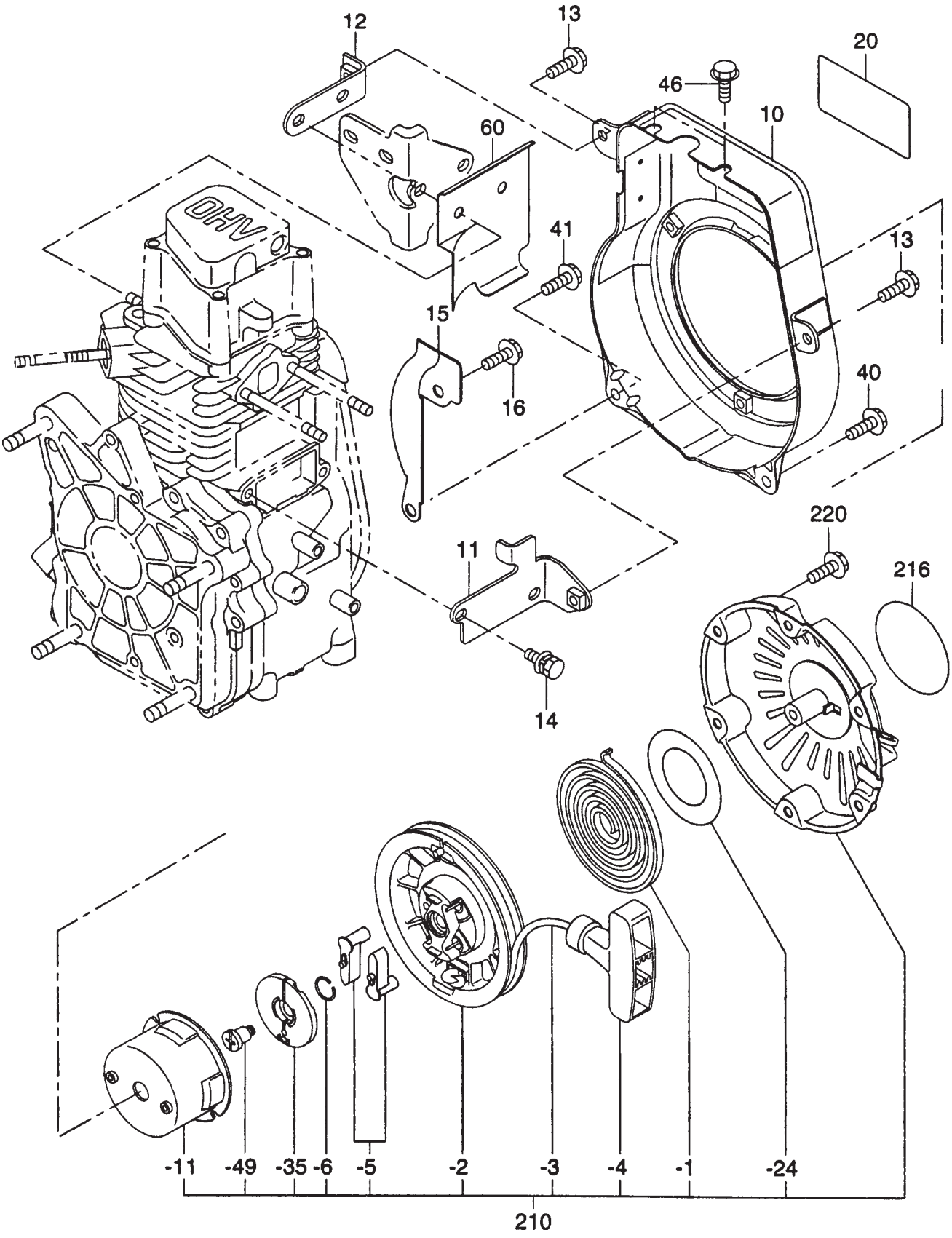
60

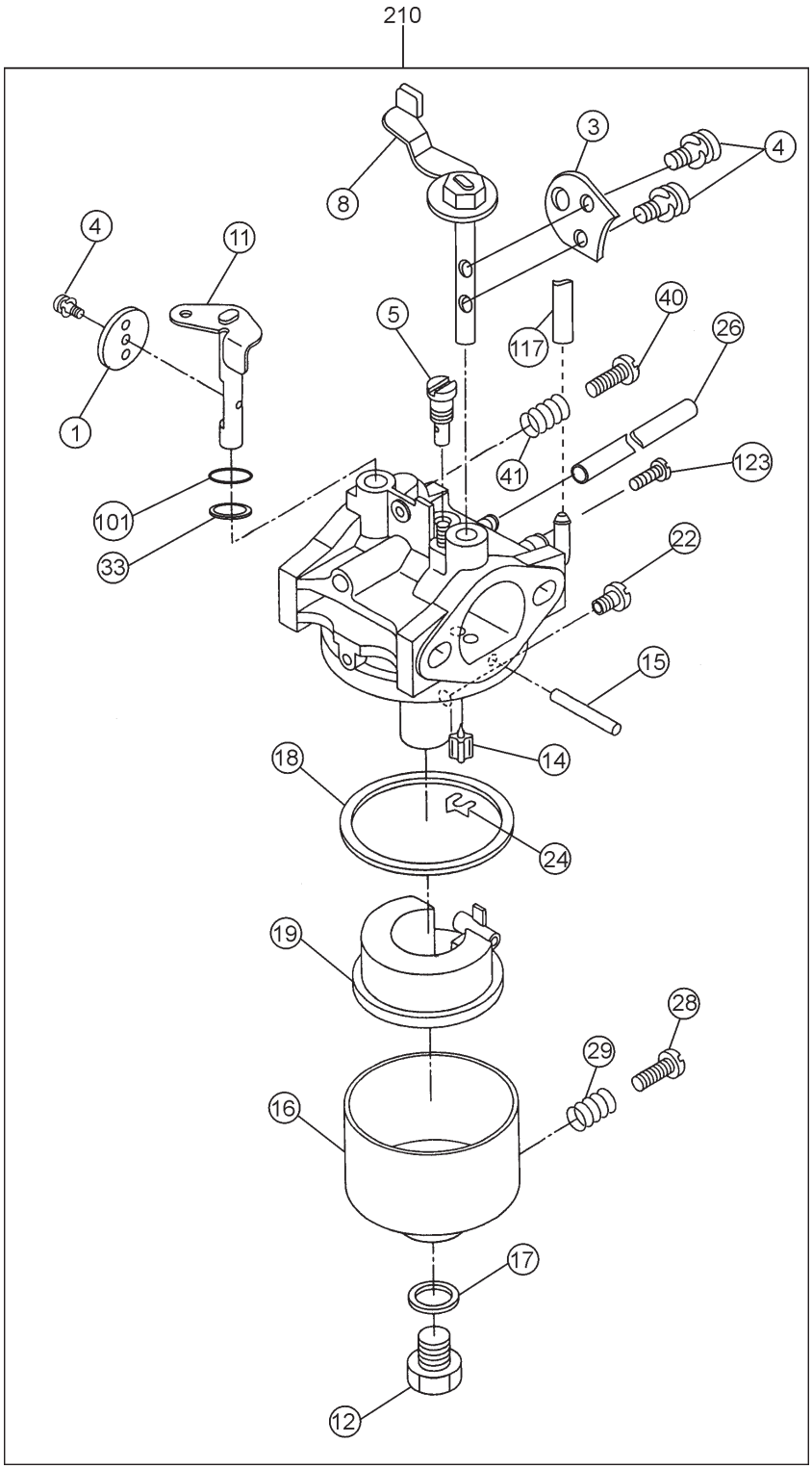
NO	PART NO	PART NAME	QTY.	REMARKS
10	2744230101	GOVERNOR LEVER	1	
20	2304220103	GOVERNOR SHAFT	1	
30	2744270113	GOVERNOR ROD	1	
40	1064280113	ROD SPRING	1	
50	0031305000	CLIP	2	
60	0011406250	BOLT AND WASHER ASSY.	1	
70	0186060020	NUT	1	
80	2744250103	GOVERNOR SPRING	1	
200	2304330210	SPEED CONTROL ASSY.	1	
210	0043104140	SCREW (PAN HEAD)	1	
230	0140040070	SCREW	1	
235	2684500103	CONTROL SPRING	1	
280	2264310301	LINK PIVOT CP	1	
345	0217100020	FRICTION WASHER	1	
360	0043106300	SCREW	1	
370	0022706000	NUT	1	REPLACES 0022706000
385	2744510101	BASE PLATE CP	1	
386	0110060050	FLANGE BOLT	2	REPLACES 0110060010
480	2264500313	RETURN SPRING	1	
486	0230100040	SPACER	1	

ROBIN EH-090D ENGINE — RECOIL STARTER ASSY.



ROBIN EH-090D ENGINE — RECOIL STARTER ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2745120211	BLOWER HOUSING CP	1	
11	2745510121	BLOWER H. BKT. 1 CP	1	
12	2745520101	BLOWER H. BKT. 2 CP	1	
13	0110060020	FLANGE BOLT	2	
14	0011606140	BOLT AND WASHER ASSY.	2	
15	2745500101	BLOWER GUIDE CP	1	
16	0110060050	FLANGE BOLT	1	REPLACES 0110060010
20	2749170103	LABEL (TRADE MARK)	1	
40	0110060050	FLANGE BOLT	1	REPLACES 0110060010
41	0110060020	FLANGE BOLT	1	
46	0110060020	FLANGE BOLT	2	
60	2745260103	CYLINDER BAFFLE	1	
210	2745020120	RECOIL STARTER ASSY.	1	INCLUDES ITEM W/*
210-1*	2745011508	SPIRAL SPRING	1	
210-2*	2745012018	REEL	1	
210-3*	2745011108	STARTER ROPE	1	
210-4*	2615010008	STARTER KNOB	1	
210-5*	2705012508	RATCHET	2	
210-6*	2275013108	FRICTION SPRING	1	
210-11*	2745014508	STARTING PULLEY	1	
210-24*	1315015008	SLIDE PLATE	1	
210-35*	2705026108	RATCHET GUIDE	1	
210-49*	2275015208	SET SCREW	1	
216	2069170103	LABEL (TRADE MARK)	1	
220	0110060020	FLANGE BOLT	3	


210
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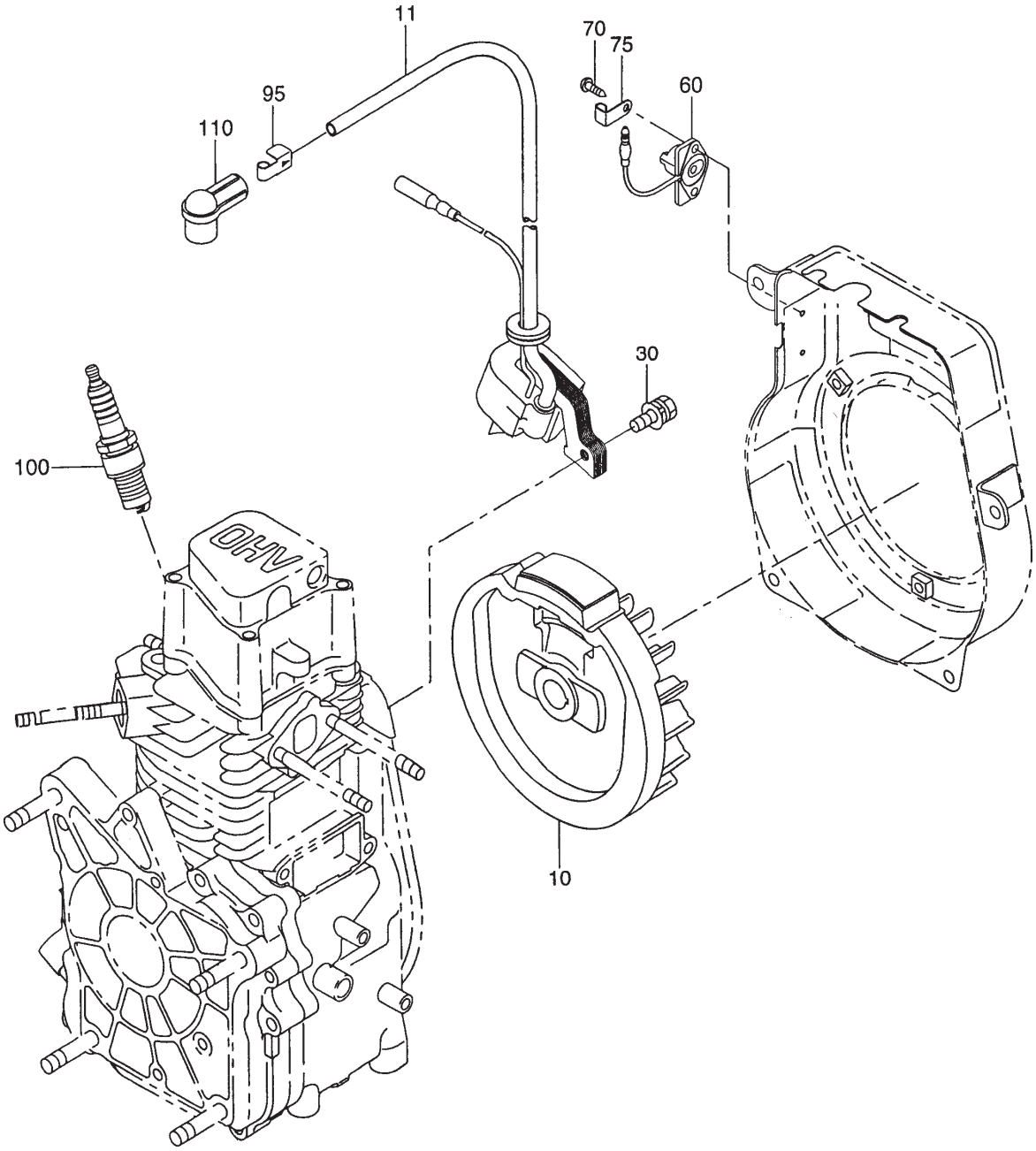
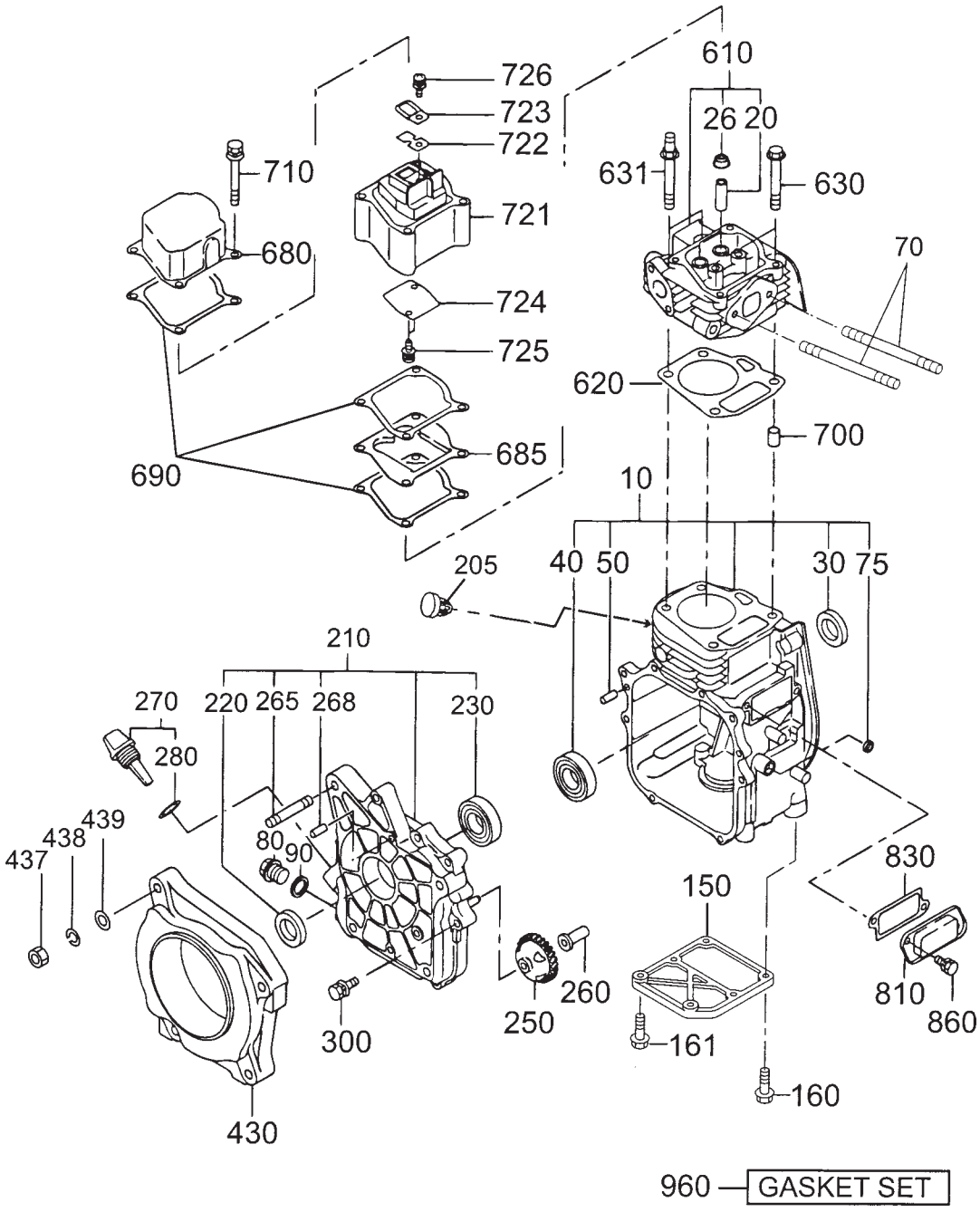
ROBIN EH-090D ENGINE — CARBURETOR ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
210	2746230100	CARBURETOR ASSY.	1	..... INCLUDES ITEMS W/*
-1*	2746253508	THROTTLE VALVE	1	
-3*	2306252508	CHOKE VALVE	1	
-4*	2376245108	SCREW	3	
-5*	2346242108	PILOT JET	1	
-8*	2746252008	SHAFT ASSY. (CHOKE)	1	
-11*	2746253008	SHAFT ASSY. (THROTTLE)	1	
-12*	2246254308	BOLT	1	
-14*	2268250208	NEEDLE VALVE ASSY.	1	
-15*	2146251508	PIN	1	
-16*	2306255308	FLOAT CHAMBER BODY	1	
-17*	2078234508	INSERT WASHER	1	
-18*	2306254008	PACKING	1	
-19*	2306250608	FLOAT ASSY.	1	
-22*	2746240008	MAIN JET	1	
-24*	2266270118	CLIP	1	
-26*	2746235108	HOSE	1	
-28*	2246245008	SCREW	1	
-29*	2106231808	SPRING	1	
-33*	2306258108	SEAL	1	
-40*	1066239308	SCREW	1	
-41*	2066244608	SPRING	1	
-101*	2306258208	PACKING	1	
-117*	2746235008	HOSE	1	
-123*	2276240408	MAIN JET	1	


11
70
75
60
95
110
30
100
OHV
10

ROBIN EH-090D ENGINE — ELECTRIC DEVICE ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2307020831	FLYWHEEL CP	1	
11	2747020101	IGNITION COIL CP	1	
30	0011706250	BOLT & WASHER ASSY.	2	
60	0660000361	SWITCH ASSY.	1	
70	0150040090	TAPPING SCREW	2	
75	0566030010	CLAMP	1	
95	0659000010	PLUG TERMINAL	1	
100	0650140470	SPARK PLUG NGK	1	
110	2307510113	SPARK PLUG CAP	1	


726
723
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26 20
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40 50
30 75
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220 265 268
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830
150
260
250
300
161
810
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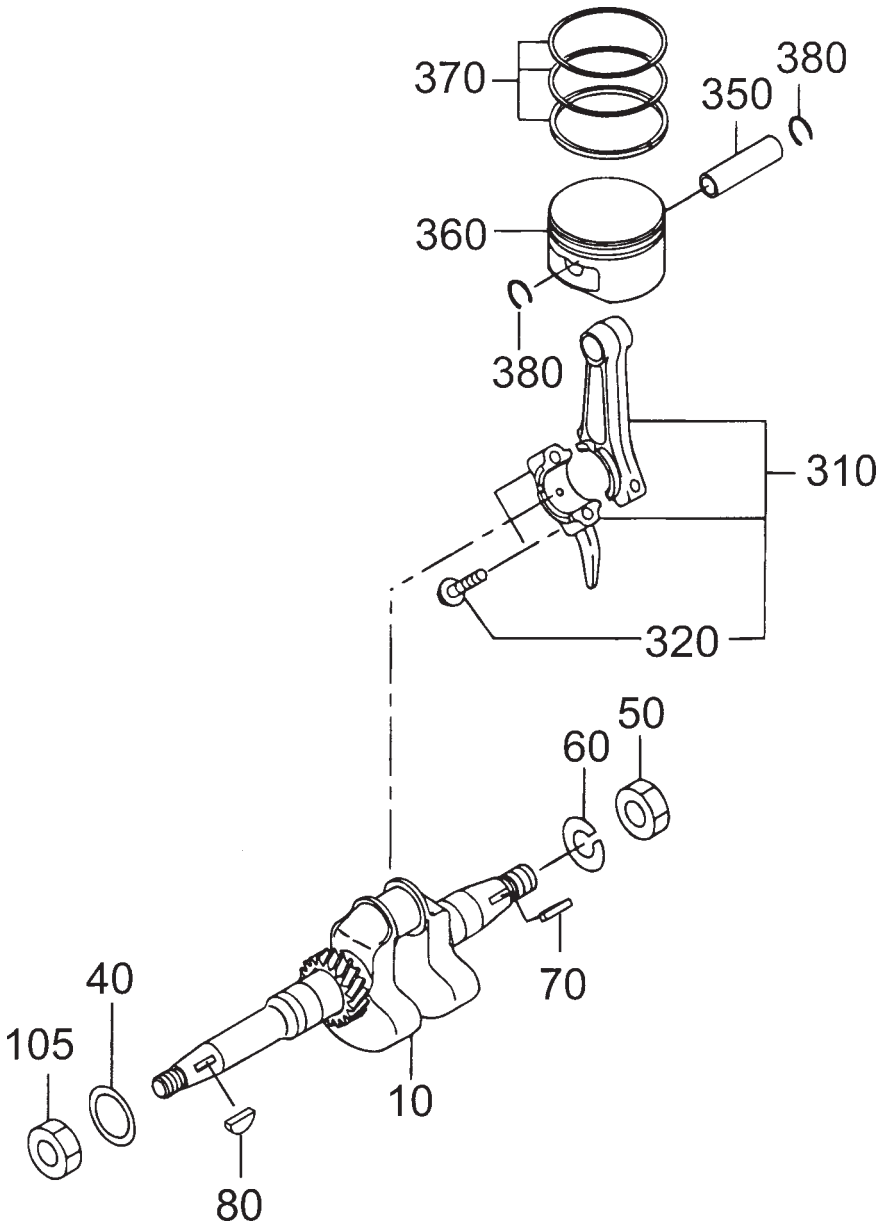
160
430
960 — GASKET SET

ROBIN EH-092D ENGINE — CRANKCASE ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2841010411	CRANKCASE CP	1	INCLUDES ITEMS W/ #
20&	2371420203	VALVE GUIDE	2	
26&	2771601001	STEM SEAL CP	1	
30#	0440200070	OIL SEAL 20X32X6	1	
40#	0600200110	BALL BEARING, 60074C3	1	
50#	0310060020	DOWEL PIN	2	
70	0105060430	STUD	2	
75#	0440060020	OIL SEAL	1	
80	0401140030	PLUG	1	
90	0211140020	GASKET	1	
150	2741600113	STIFFENER	1	
160	0011408250	BOLT & WASHER	4	
161	0011408300	BOLT & WASHER ASSY.	2	
205	0241090060	GROMMET	1	
210	2841100121	MAIN BEARING COVER	1	INCLUDES ITEMS W/ *
220*	0440200110	OIL SEAL 20X32X6	1	
230*	0600200110	BALL BEARING, 6004C3	1	
250	2844500301	GOVERNOR GEAR CP	1	
260	2054190103	GOVERNOR SLEEVE	1	
265*	0013908500	STUD	4	
268*	0310060020	DOWEL PIN	2	
270	2306360101	OIL GAUGE	1	INCLUDES ITEMS W/ %
280%	0213160020	GASKET	1	
300	0130060200	BOLT & WASHER	9	
430	2741500123	ADAPTER FLANGE	1	
437	0021808000	NUT	4	
438	0032008000	SPRING WASHER	4	
439	0031108000	WASHER	4	
610	2841300110	CYLINDER HEAD ASSY.	1	INCLUDES ITEMS W/ &
620	2841500113	GASKET HEAD	1	
630	0110080210	FLANGE BOLT	1	
631	0100080410	BOLT	2	
680	2841550203	ROCKER COVER	1	
685	2841450203	OIL SHELTER PLATE	1	
690	2841600403	GASKET, ROCKER COVER	3	
700	2771501103	PIPE KNOCK	2	
710	0110060400	FLANGE BOLT	4	
721	2841560203	BREATHER PLATE	1	
722	2841600103	LEAF VALVE	1	
723	2841600203	BREATHER PLATE	1	
724	2841450103	OIL SHELTER PLATE	1	
725	0131050020	SCREW & WASHER ASSY.	2	
726	0131050020	SCREW & WASHER ASSY.	1	
810	2841700103	COVER CASE	1	
830	2301600613	GASKET TAPPET COVER NA	1	
860	0011406160	BOLT & WASHER ASSY.	2	
960	2849900117	GASKET SET	1	

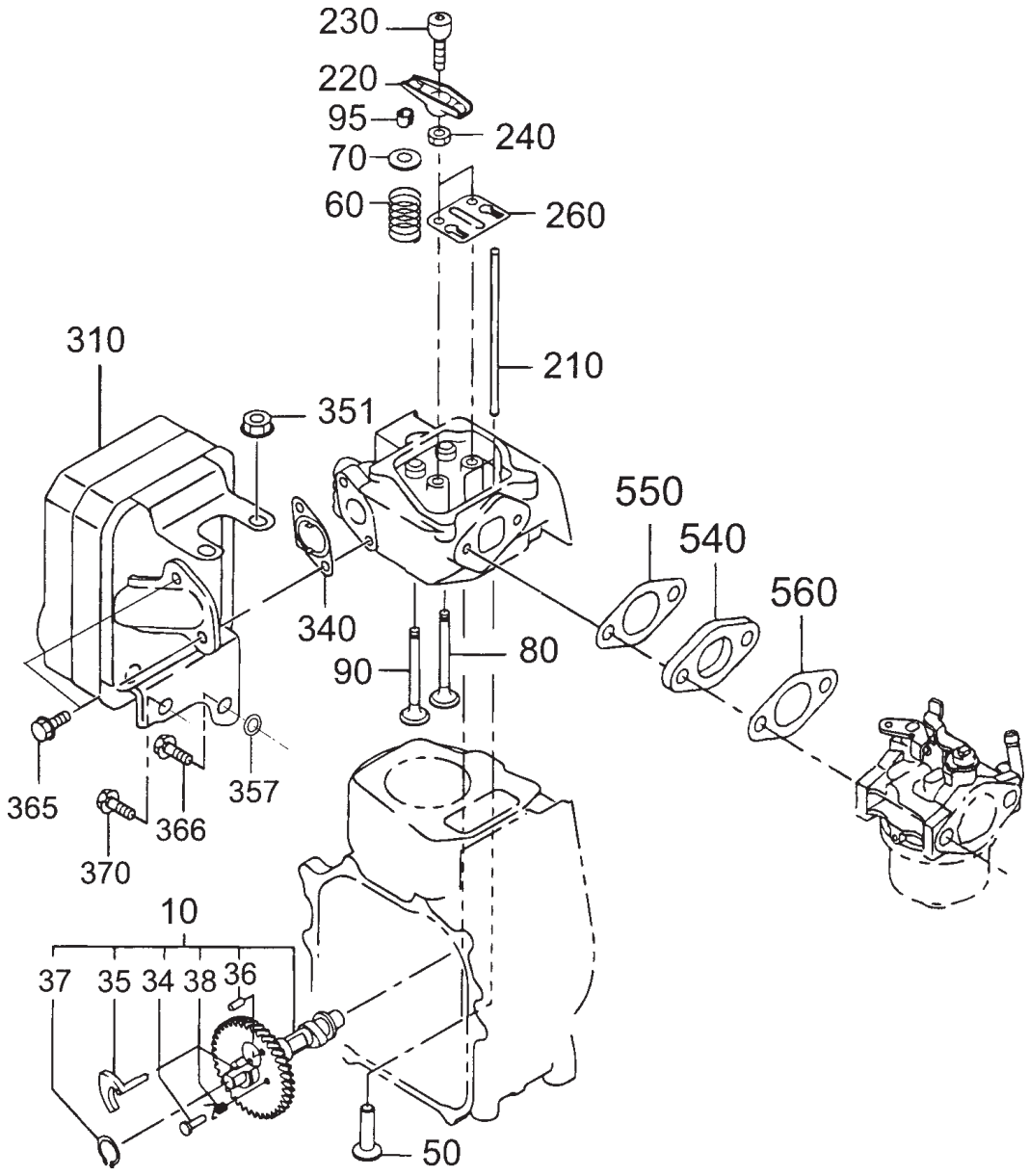
ROBIN EH-092D ENGINE — CRANKSHAFT AND PISTON ASSY.



ROBIN EH-092D ENGINE — CRANKSHAFT AND PISTON ASSY.

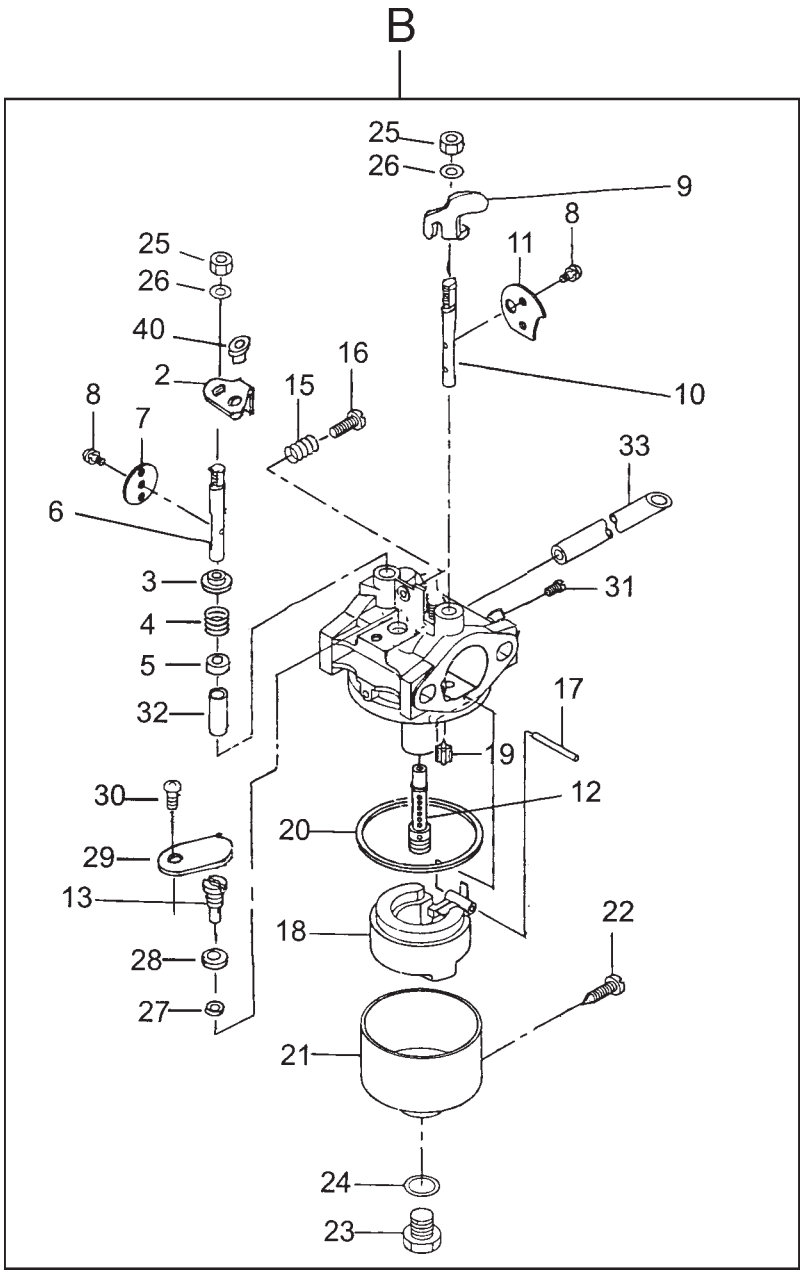
NO	PART NO	PART NAME	QTY.	REMARKS
10	2842030101	CRANKSHAFT CP	1	
40	0230200100	SPACER T=0.8	1	
41	0230200110	SPACER T=1.0	1	
42	0230200120	SPACER T=1.2	1	
50	0021814000	NUT	1	
60	0032014000	SPRING WASHER	1	REPLACES 0032012000
70	0053203101	WOODRUFF KEY	1	
80	0053204201	WOODRUFF KEY	1	
105	0173120010	LOCK NUT	1	
310	2842250130	CONNECTING ROD ASSY.	1	INCLUDES ITEMS W/%
320%	2842300103	CONNECTING ROD BOLT	2	
350	2302330103	PISTON PIN	1	
360	28423401H3	PISTON	1	
360	28423402H3	PISTON 0.25MM	1	
360	28423403H3	PISTON 0.50MM	1	
370	2842351107	PISTON RING SET	1	
370	2842351207	PISTON RING SET 0.25MM	1	
370	2842351307	PISTON RING SET 0.50MM	1	
380	0565110010	CLIP	2	

ROBIN EH-092D ENGINE — INTAKE AND EXHAUST ASSY.



ROBIN EH-092D ENGINE — INTAKE AND EXHAUST ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2843170121	CAMSHAFT CP	1	INCLUDES ITEMS W/%
34%	2273860123	PIN (SPRING)	1	
35%	2843640103	RELEASE LEVER	1	
36%	0051904100	SPRING PIN	1	
37%	0031517000	SNAP RING	1	
38%	2743870123	RETURN SPRING	1	
50	2743330103	TAPPET	2	
60	2743360103	VALVE SPRING	2	
70	2743370203	SPRING RETAINER	2	
80	2743340103	INTAKE VALVE	1	
90	2743350103	EXHAUST VALVE	1	
95	13210KA031	COLLET VALVE	4	
210	2743530103	PUSH ROD	2	
220	2743600303	ROCKER ARM	2	
230	2693580103	BOLT (PIVOT)	2	
240	0170060090	NUT	2	
260	2743650103	GUIDE PLATE	1	
310	2843010401	MUFFLER CP	1	
340	2843520103	GASKET (EXHAUST)	1	
351	0023808000	FLANGE NUT	2	
357	0200080170	WASHER	1	
365	0110060460	FLANGE BOLT	2	
366	0011408160	BOLT & WASHER 8X16	1	
370	0130080240	BOLT & WASHER ASSY.	1	
540	1063292103	INSULATOR	1	
550	2843590203	GASKET (INSULATOR)	1	
560	1573500103	GASKET 2 (INSULAT0R)	1	
570	0176060030	SELF LOCK NUT	2	


B
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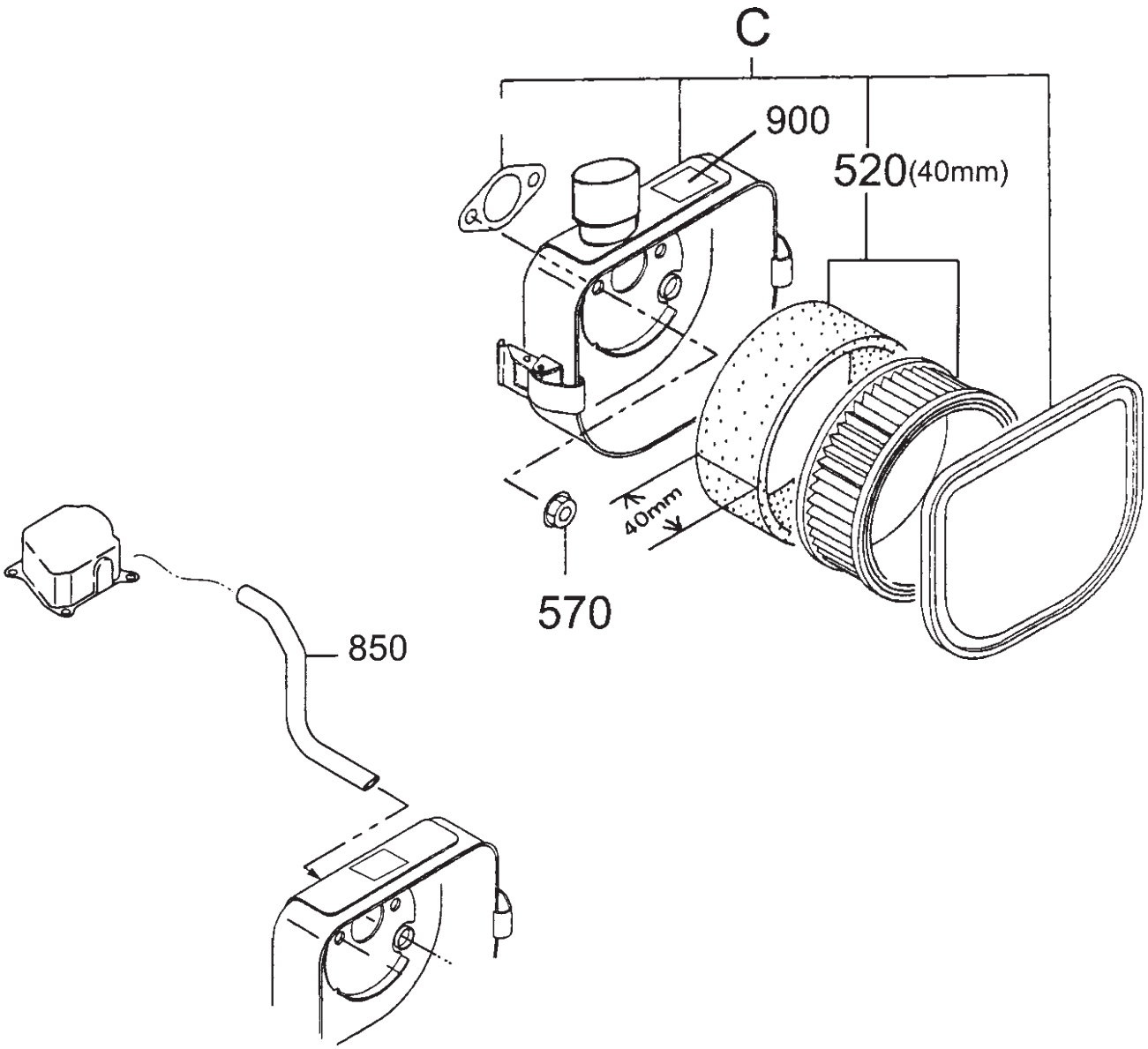
ROBIN EH-092D ENGINE — CARBURETOR ASSY.

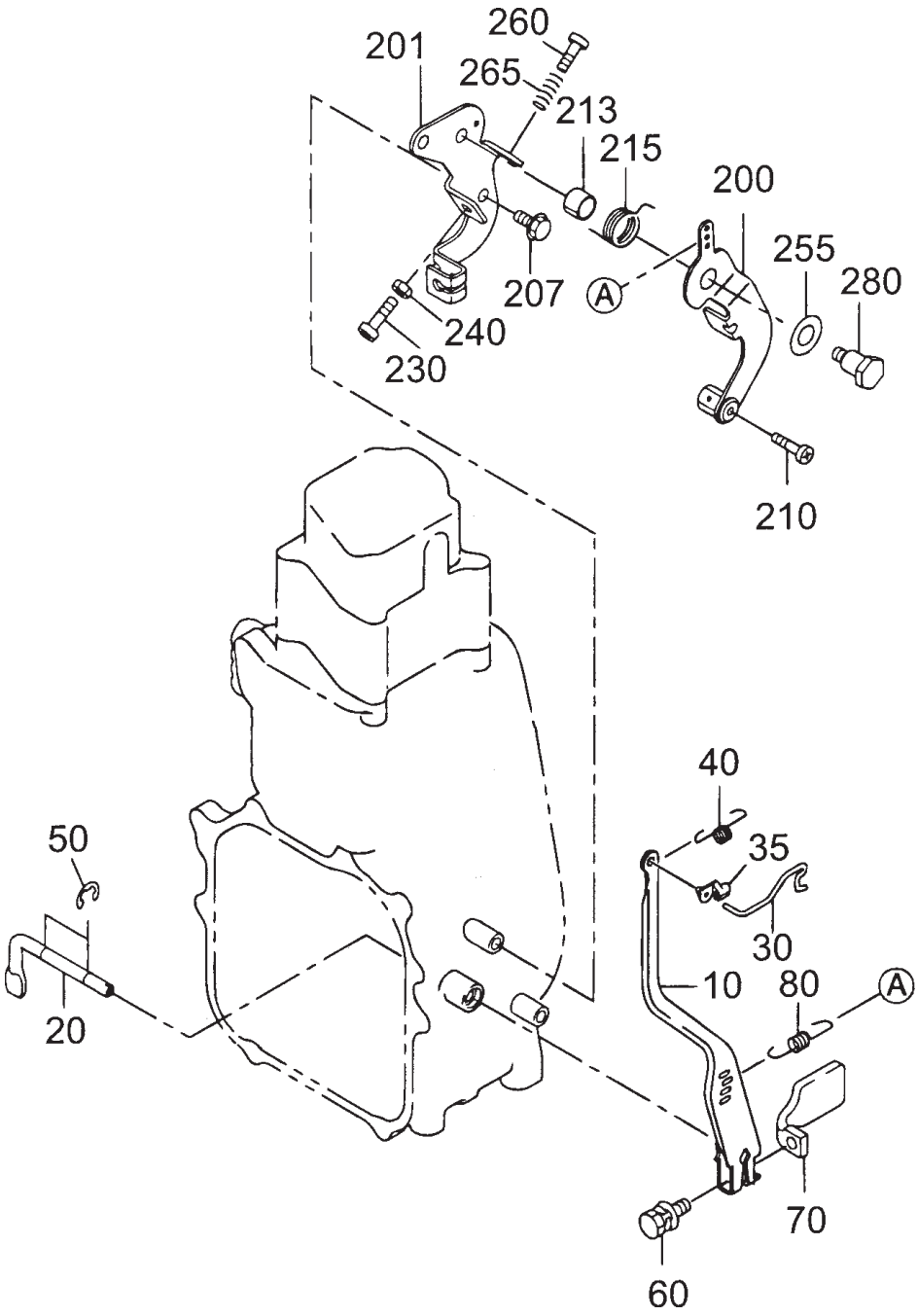
NO	PART NO	PART NAME	QTY.	REMARKS
B	2846233200	CARBURETOR ASSY.	1	INCLUDES ITEMS W/#
2#	2846253908	LEVER SUB ASSY. THROTTLE	1	
3#	2846256008	COLLAR	1	
4#	2846231608	SPRING, THROTTLE	1	
5#	2516255908	BUSH	1	
6#	2846253308	SHAFT, THROTTLE	1	
7#	2846253508	THROTTLE VALVE	1	
8#	2846245508	SCREW	2	
9#	2846252908	LEVER CHOKE	1	
10#	2846252308	SHAFT CHOKE	1	
11#	2846252908	VALVE CHOKE	1	
12#	2846240108	MAIN JET #68	1	
13#	2846242008	SLOW JET	1	
15#	2516244908	SRING	2	
16#	2776258108	SCREW ADJUST	2	
17#	2846251508	PIN, FLOAT LEVER	1	
18#	2846250508	FLOAT ASSY.	1	
19#	2796250008	VALVE NEEDLE	1	
20#	2846254008	GASKET CHAMBER	1	
21#	2846255208	CHAMBER ASSY. FLOAT	1	
22#	2516266108	DRAIN SCREW	1	
23#	2846233508	SCREW	1	
24#	2516235008	GASKET	1	
25#	2846246508	NUT	2	
26#	2846246008	SPRING WASHER	2	
27#	2846245008	O-RING	1	
28#	2846245108	O-RING	1	
29#	2846256308	PLATE	2	
30#	2846245608	SCREW	1	
31#	2846246008	JET	1	
32#	2846243008	COLLAR	1	
33#	2516256508	RUBBER PIPE	1	
40#	2844550103	BUSH, THRO	1	


C
900
520(40mm)
40mm
570
850

ROBIN EH-092D ENGINE — AIR CLEANER ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
C	2843260300	AIR CLEANER ASSY.	1	INCLUDES ITEMS W/#
520#	2743260307	ELEMENT SET/09	1	
570	0176060030	SELF LOCK NUT	2	
850	2841600403	RUBBER PIPE	1	
900#	0732004430	LABEL, CHOKE	1	

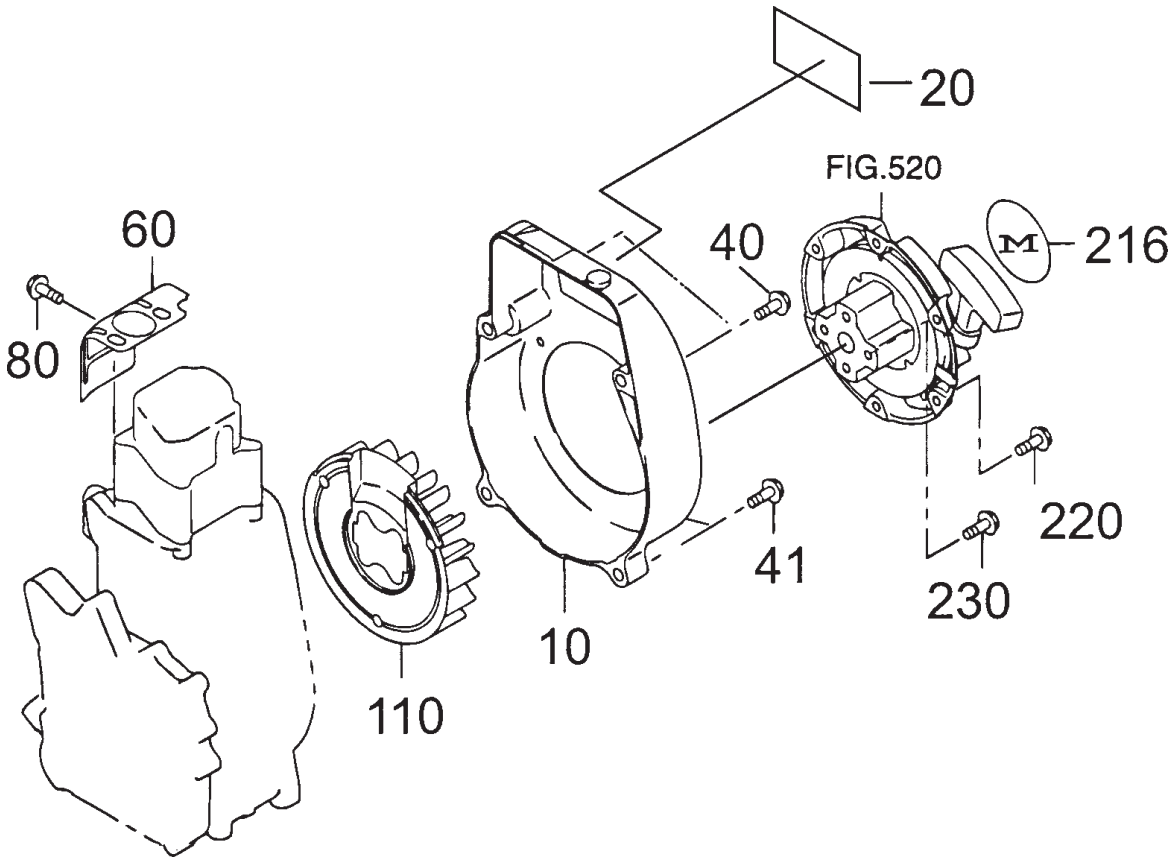
ROBIN EH-092D ENGINE — GOVERNOR, OPERATION ASSY.



ROBIN EH-092D ENGINE — GOVERNOR, OPERATION ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
10	2844230403	GOVERNOR LEVER	1	
20	2304220103	GOVERNOR SHAFT	1	
30	2844270201	GOVERNOR ROD	1	
35	2844560103	LINKAGE BUSHING	1	
40	2844280403	ROD SPRING	1	
50	0031305000	CLIP	2	
60	0011406300	BOLT & WASHER ASSY.	1	
70	2844900201	WEIGHT CP	1	
80	2524250323	GOVERNOR SPRING	1	
200	2304330210	SPEED CONTROL ASSY.	1	
201	2744510101	BASE PLATE	1	
207	0110060010	FLANGE BOLT	2	
210	0043104140	SCREW, PAN HEAD	1	
213	0230100040	SPACER	1	
215	2264500313	RETURN SPRING	1	
230	0043106300	SCREW	1	
240	0022706000	NUT	1	
255	0217100020	FRICTION WASHER	1	
260	0140040070	SCREW	1	
265	2684500113	CONTROL SPRING	1	
280	2264310301	LINK PIVOT	1	

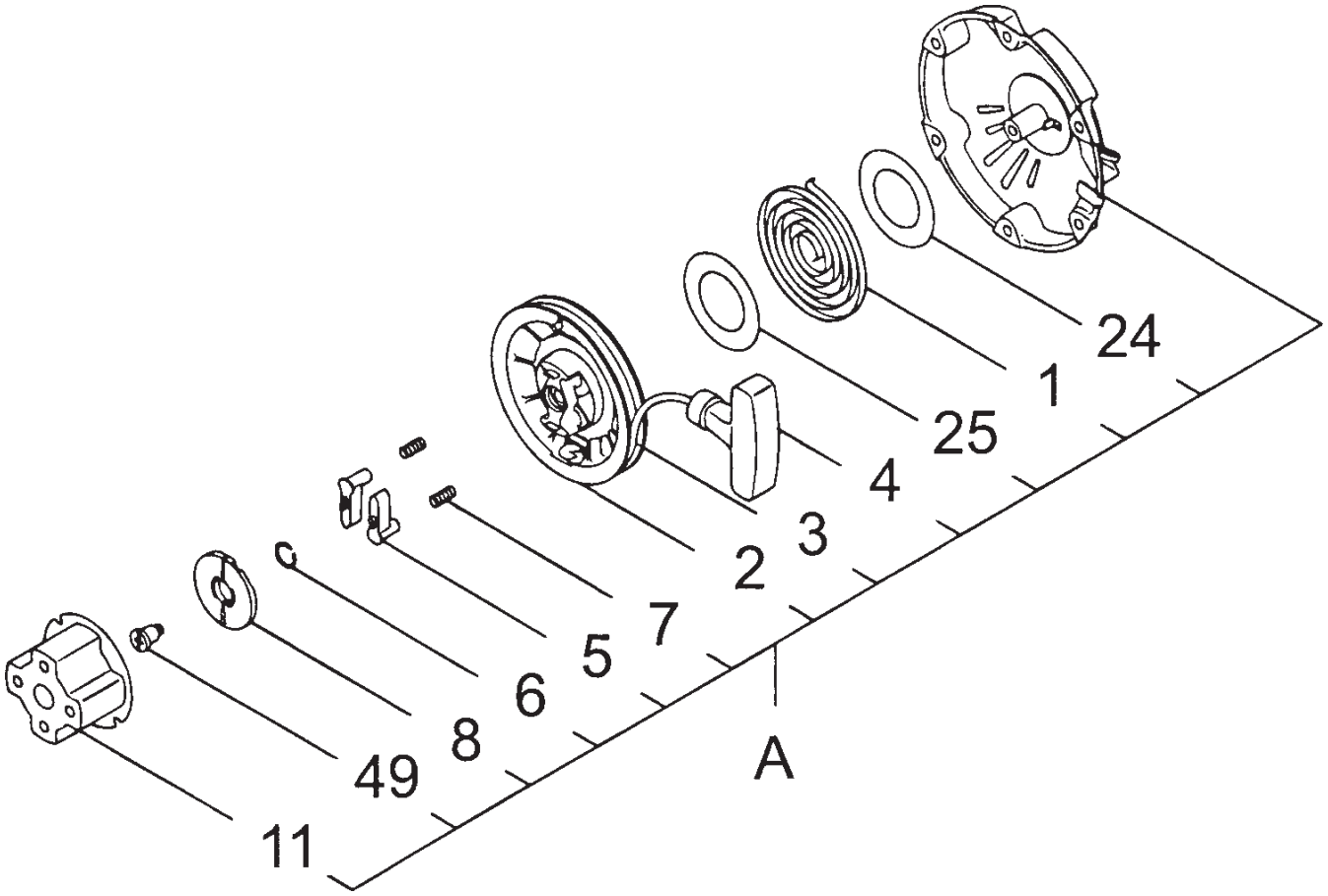
ROBIN EH-092D ENGINE — BLOWER HOUSING ASSY.



ROBIN EH-092D ENGINE — BLOWER HOUSING ASSY.

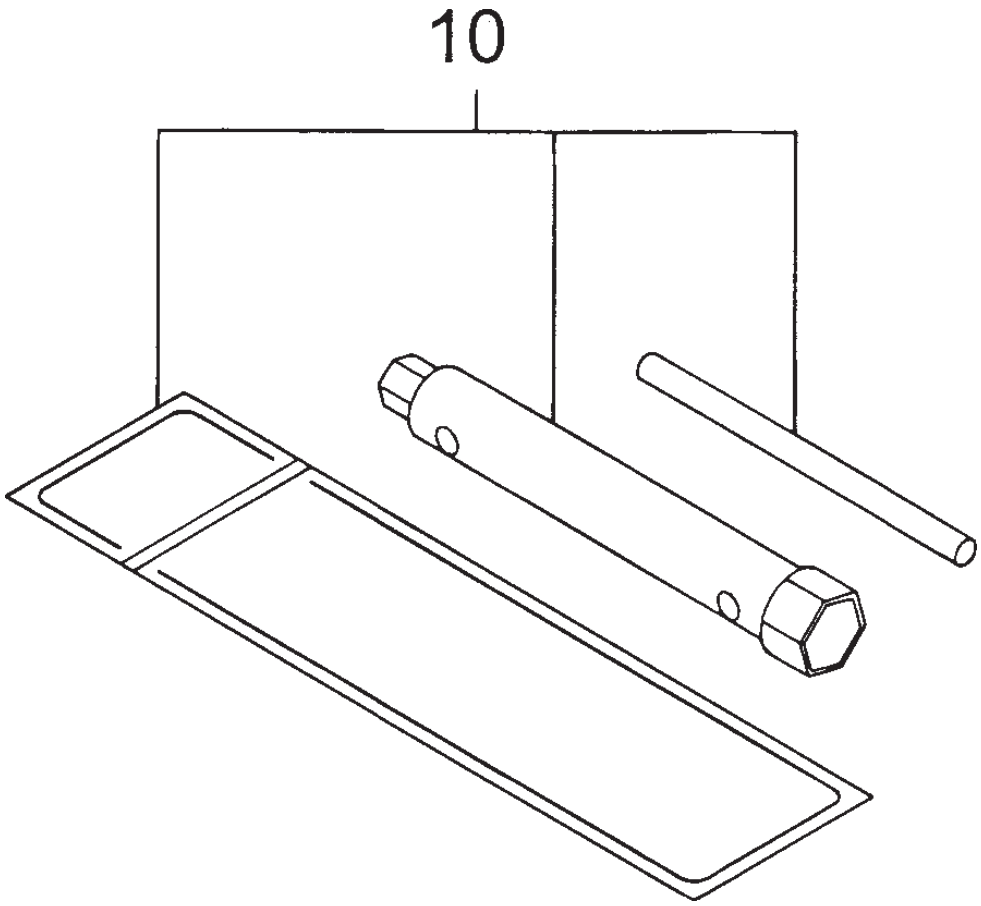
NO	PART NO	PART NAME	QTY.	REMARKS
10	2845110213	BLOWER HOUSING CP	1	
20	2849510203	LABEL	1	
40	0010408350	FLANGE BOLT	1	
41	0010408200	FLANGE BOLT	1	
60	2845260123	CYLINDER BAFFLE	1	
80	0110060010	FLANGE BOLT	2	
110	2845410103	COOLING BLOWER	1	
216	920100240	DECAL, M-MARK	1	
220	0110060010	FLANGE BOLT	3	
230	0110060020	FLANGE BOLT	4	

ROBIN EH-092D ENGINE — RECOIL STARTER ASSY.



ROBIN EH-092D ENGINE — RECOIL STARTER ASSY.

NO	PART NO	PART NAME	QTY.	REMARKS
A	2845021120	RECOIL STARTER ASSY.	1	INCLUDES ITEM W/*
1*	2745011508	SPIRAL SPRING	1	
2*	2745012018	REEL	1	
3*	2745011208	STARTER ROPE	1	
4*	2615010008	STARTER KNOB	1	
5*	2705012508	RATCHET	2	
6*	2745013108	FRICTION SPRING	1	
7*	2275013508	RETURN SPRING	2	
8*	2705026108	RATCHET GUIDE	1	
11*	2845014508	STARTING PULLEY	1	
24*	2745015208	SLIDE PLATE, B	1	
25*	1315015008	SLIDE PLATE	1	
49*	2275015208	SET SCREW	1	


10

NO	PART NO	PART NAME	QTY.	REMARKS
10	2269030710	ACCESSORY TOOL KIT	1	

PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL NUMBER ON-HAND WHEN CALLING

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