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By Eastman Industries

Mower Discontinued - Parts Only

ROBIN HOVER MOWER PARTS MANUAL

*Including ROBIN EC04ER Engine Parts
for Eastman Industries Hover Mower™ Model HM16R-2*

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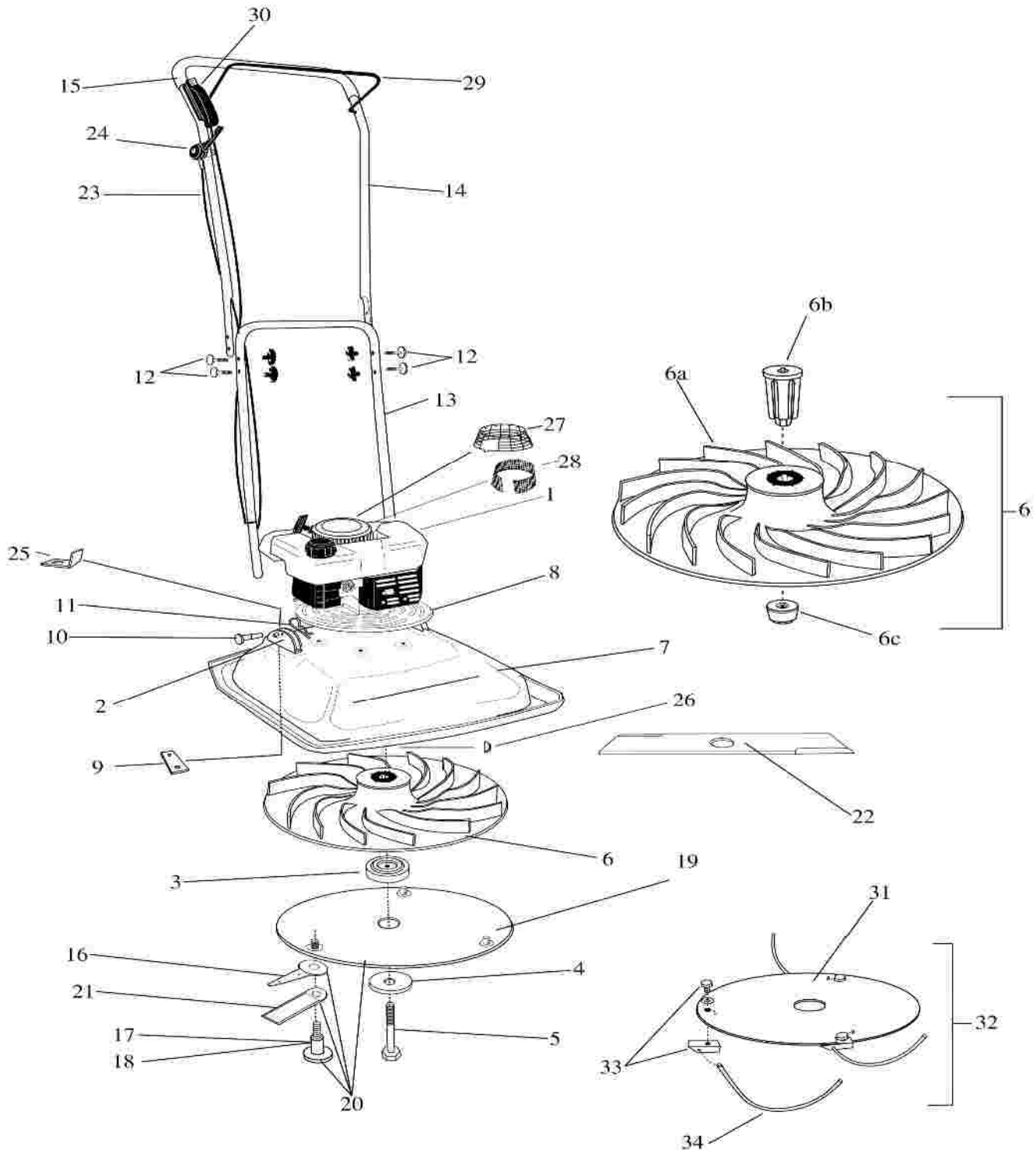
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HOVER MOWER™

By Eastman Industries

MODEL HM 16R2

MOWER DISCONTINUED-PARTS ONLY



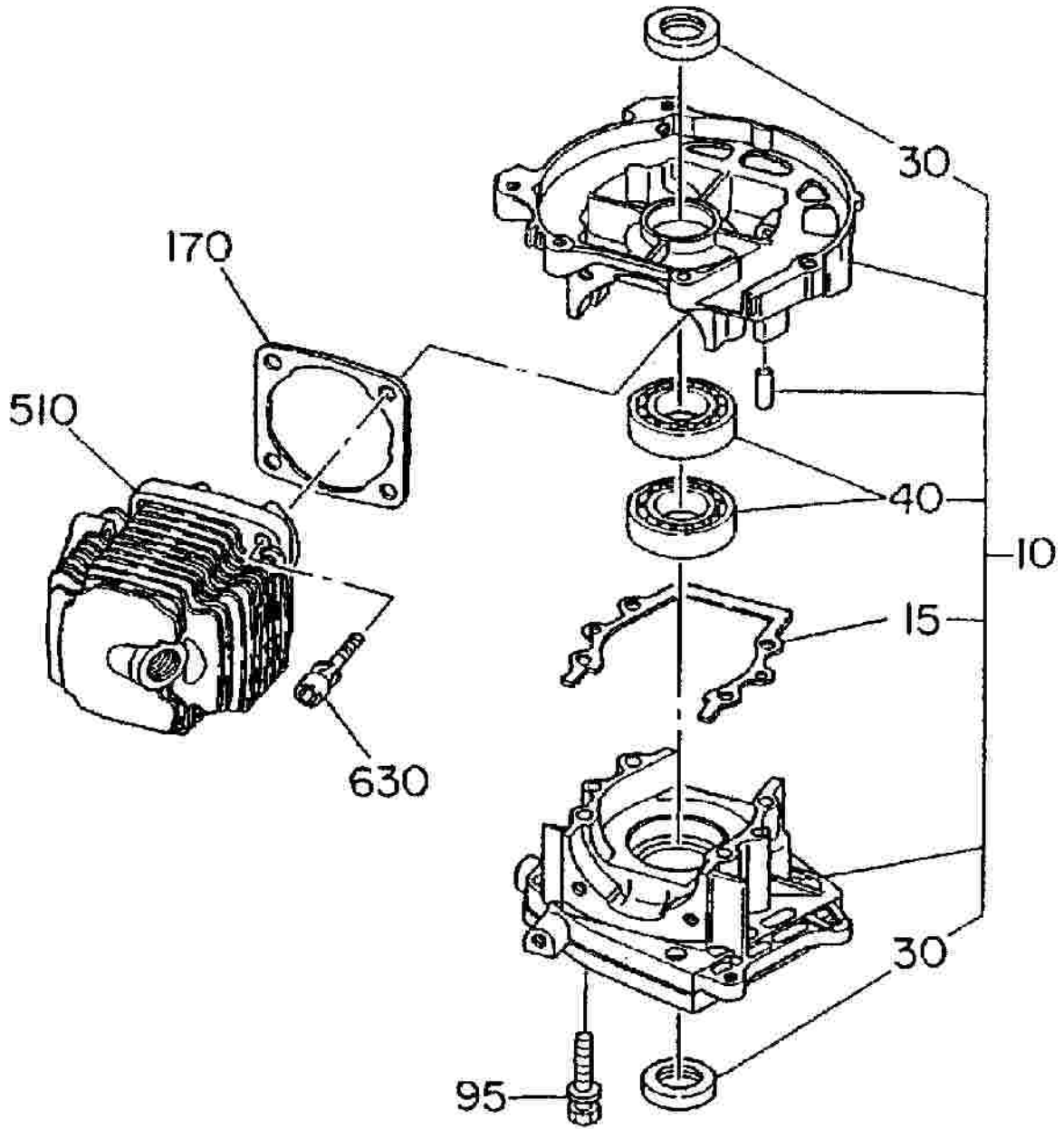
PARTS LIST FOR MODEL HM 16R2 - MOWER DISCONTINUED - PARTS ONLY

<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	
1	HM16R-2EC04-ER HM16H-CONKIT	Robin 2 HP 2 Cycle Engine - Discontinued Converts mower to Honda 2.9 HP/4 stroke engine	No longer available
2	HM1550	Handle Bracket	
3	HM16R-1556A	Height Adjustment Spacer 1/2"	
3	HM16R-1556B	Height Adjustment Spacer 1/4"	
4	HM16R-21557	Impeller Flat Washer	
5	HM16R-225581	Impeller Retaining Bolt 2 1/4"	
5	HM16R-225580	Impeller Retaining Bolt 2 3/4"	
5	HM16R-225579	Impeller Retaining Bolt 3 1/4"	
6	HM16R-22560N	Impeller - Assembly	
6a	HM16R-225572	Impeller - 12"	
6b	HM16R-225570	Impeller Hub	
6c	HM16R-225571	Impeller Cap	
7	HM16R-22562	Deck with Logos and Decals	
8	HM16R-22565	Engine Mount	
9	HM22569	Handle Mounting Plate	
10	HM22573	Clevis Pin	
11	HM2257	Hair Pin Cotter Key	
12	HM22583	Handle Knob (with hardware)	
13	HM1549	Lower Handle	
14	HM16R-22585N	Upper Handle (with handle grip)	
15	HM1582	Handle Grip	
16	HM1601-12	Nylon Blades (Pkg of 12)	
17	HM1602-3	Shoulder Bolts For Nylon Blades (Pkg of 3)	
18	HM1603-3	Shoulder Bolts For Stainless Steel Blades (Pkg of 3)	
19	HM16R-22603	Cutter Disc	
20	HM16R-22606N	Cutter Disc Assy with Nylon Blades & Bolts	
20	HM16R-22606S	Cutter Disc Assy with Stainless Steel Blades & Bolts	
21	HM+B1641605-3	Reversible Stainless Steel Blades (Pkg of 3)	
22	HM16R-1607	Bar Blade (Not Available In The U.S.)	
23	HM16R-22573	Throttle Cable	
24	HM16R-22574	Throttle Control Lever	
25	HM1551N	Handle Stop	
26	HM16R-2175	Woodruff Key	
27	541-55040-00	Recoil Screen Guard	
28	HM16R-22563	Wire Mesh Screen	
29	HM16R-2172	Bail Arm	
30	HM16R-2173	Starter Switch w/ Wiring Harness (Reg Handle)	
31	HM16R-22613	Cutter Disc for Nylon String	
32	HM16R-22613T	Cutter Disc Assy. with Nylon String & Fasteners	
33	HM1600	String Attachment Fastener (Pkg of 3)	
34	HM1615-1	.130" Magnum Gatorline - 1 lb. Donut	
34	HM1615-3	.130" Magnum Gatorline - 3 lb. Donut	

PARTS LIST FOR MODEL HM 16R2 - MOWER DISCONTINUED - PARTS ONLY

<u>Scm #</u>	<u>Part #</u>	<u>Description</u>
		<u>ACCESSORIES</u>
	HM16R-225584	Impeller "Pull" Bolt
	HM16R-21563	4" Lift Kit
	HM16R-2172C	Bail Arm Upgrade Kit
	HM16R-21590	12" Handle Extension Kit (Long Handle, Starter Switch W/Long Harness)
	HM16R-2173L	Starter Switch With Long Wiring Harness
	HM1549L	Lower Handle Long

FIG 100

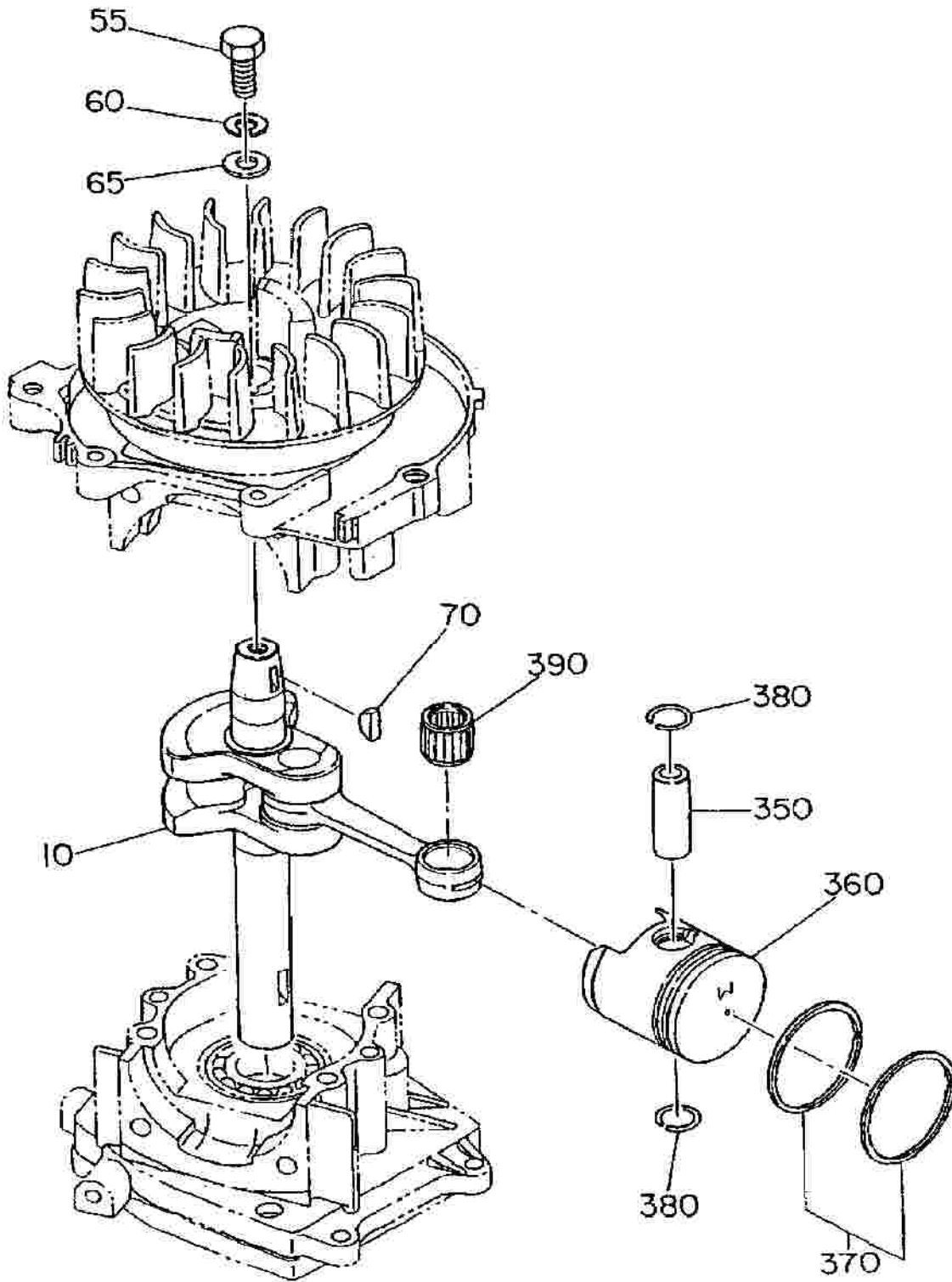


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Figure 100. Crankcase & Cylinder

<u>Fig</u>	<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
100	10	541-10050-00	Crankcase CP	1
100	15	541-15012-00	Gasket (Crankcase)	1
100	30	044-01599-50	Oil Seal	2
100	40	060-01598-80	Ball Bearing	2
100	95	011-90599-40	Socket Head Bolt	4
100	170	541-15005-01	Gasket (Cylinder)	1
100	510	541-15003-00-4	Cylinder (subs from -00)	1
100	630	011-90699-90	Socket Head Bolt	4

FIG 200



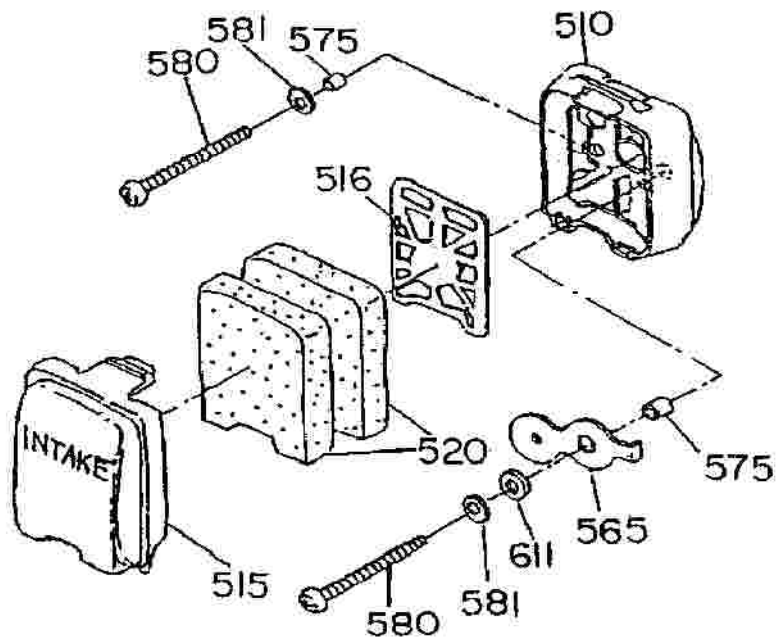
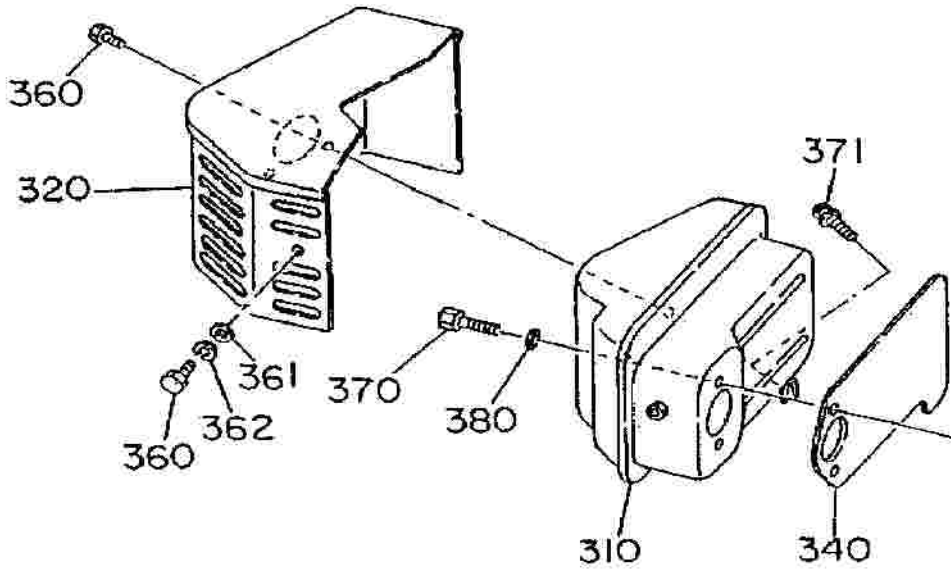
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Figure 200. Crankshaft & Piston

<u>Fig</u>	<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>	
200	10	541-20270-00	Crankshaft CP	1	
200	55	001-67061-60	Bolt	1	
200	60	003-20060-00	Spring Washer	1	
200	65	020-00699-20	Washer	1	
200	70	032-30399-90	Woodruff Key	1	
200	350	541-25003-00	Piston Pin	1	
200	360	541-25008-00	Piston	1	No longer available
		541-25053-KA	PistonUpgrade Kit		
	<i>includes:</i>	<i>541-25053-K1</i>	Piston	1	
		<i>540-25006-00-1</i>	Ring	2	
		<i>056-50999-90</i>	Clip	2	See below
		<i>541-25052-00</i>	Pin	1	
200	370	540-25006-00	Piston Ring	2	
200	380	056-50999-90	Clip	2	
200	390	541-25013-00	Needle Bearing	1	

FIG 300

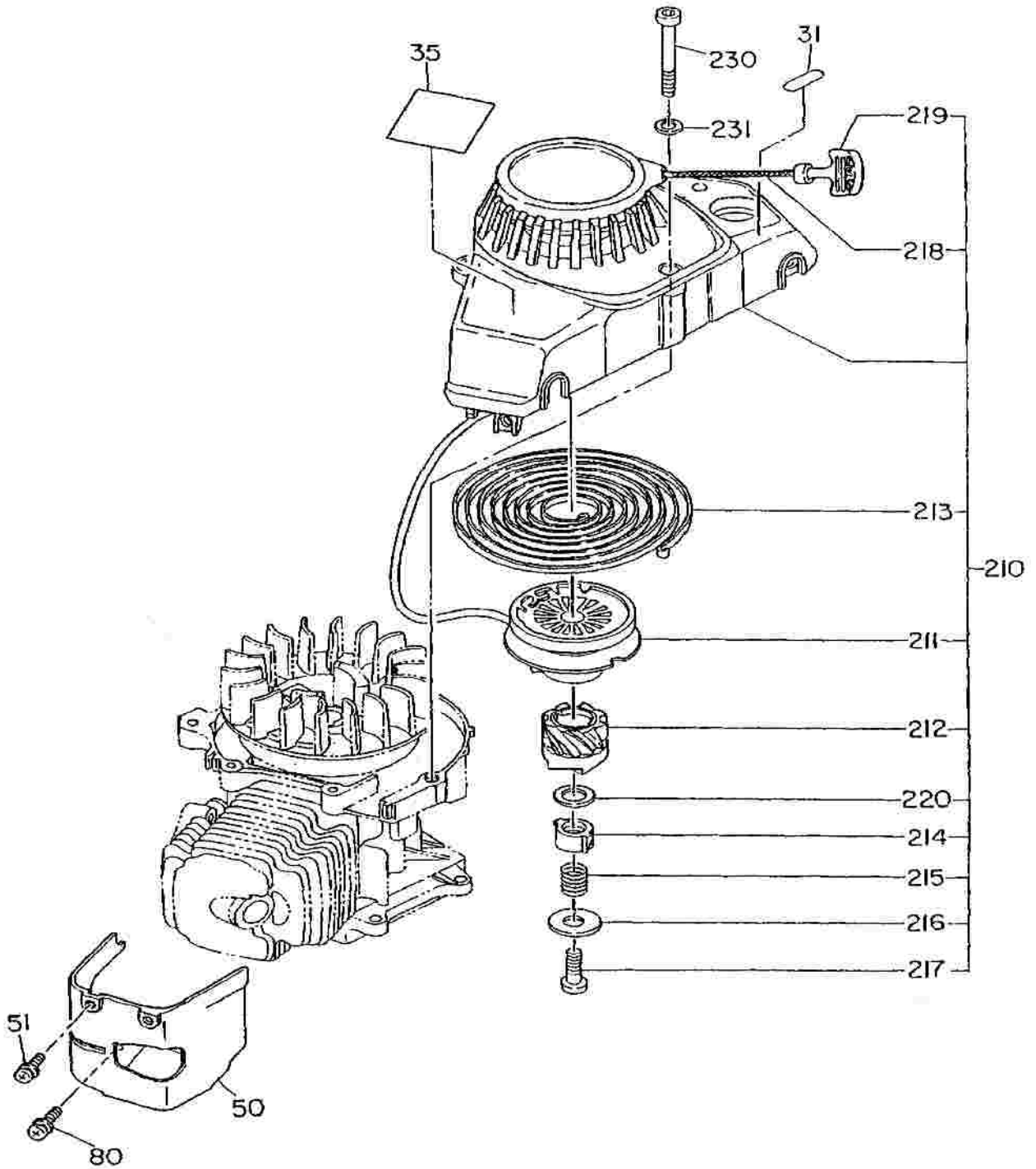


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Figure 300 Muffler & Air Cleaner

<u>Fig</u>	<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
300	310	541-30150-00	Muffler	1
300	320	540-30450-00	Muffler Cover Cp	1
300	340	540-35022-00	Gasket, Muffler	1
300	360	001-66050-80	Bolt	4
300	361	003-11050-00	Washer	4
300	362	003-20050-00	Spring Washer	4
300	370	011-90699-90	Socket Head Bolt	2
300	371	004-36061-20	Screw & Washer Assy	1
300	510	522-30060-40	Housing Air Cleaner	1
300	515	522-30060-10	Cover - Air Cleaner	1
300	516	522-30060-30	Plate - Air Cleaner	1
300	520	K11013-2179	Filter - Air	1
300	565	541-30530-10	Choke Valve	1
300	575	531-30030-60	Sleeve	2
300	580	011-90597-10	Socket Head Bolt	2
300	581	003-11050-00	Washer	2
300	611	531-30030-50	Washer	1

FIG 500



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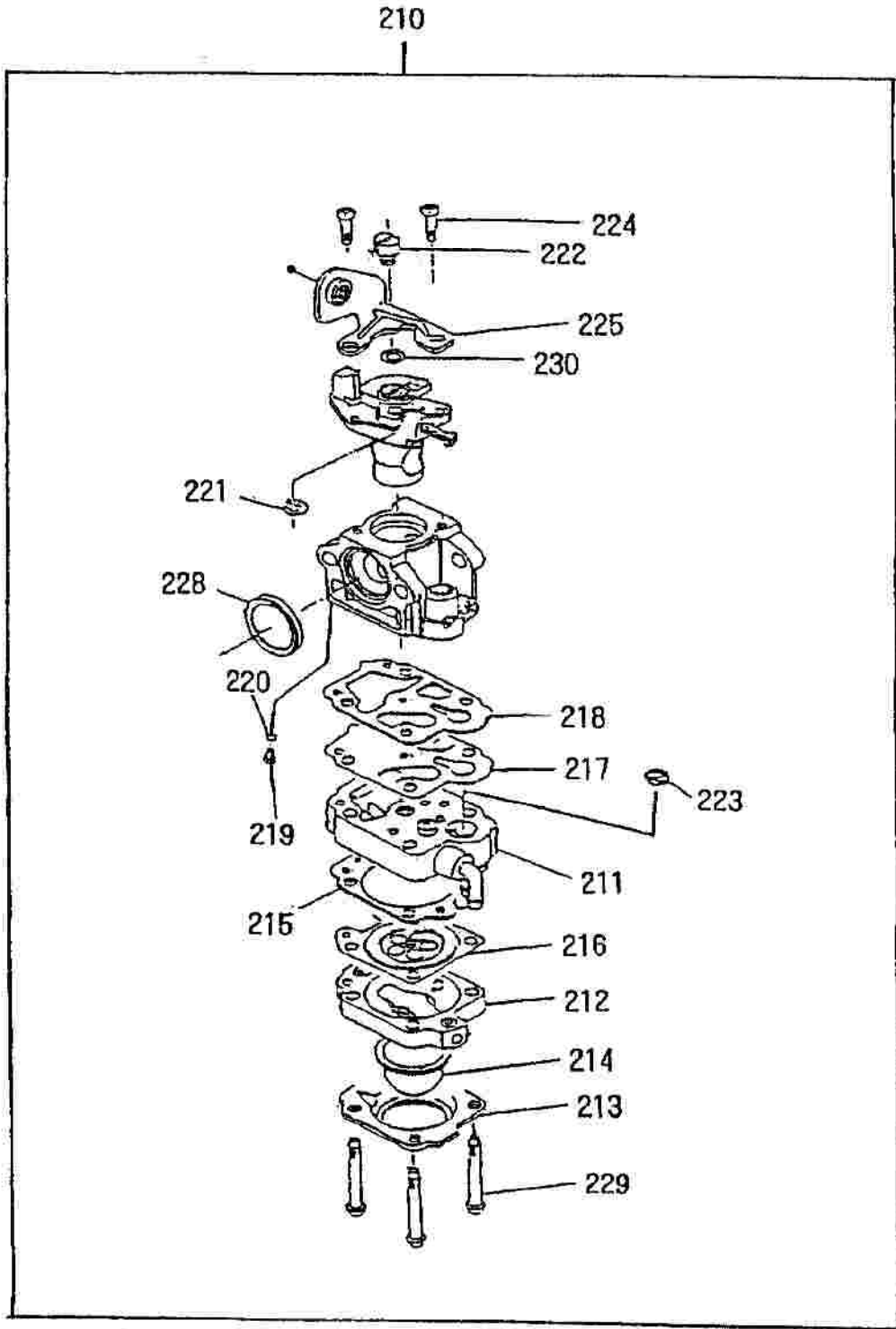
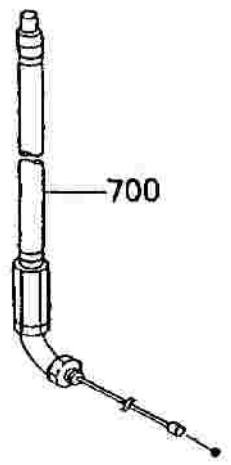
Figure 500. Recoil Starter

<u>Fig</u>	<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>	
500	31	073-62599-61	Label (On, Off)	1	
500	35	541-95025-01	Label (Engine)	1	No longer available
500	50	541-55017-00	Cover, Cylinder	1	
500	51	004-37051-40	Screw & Washer Assy	1	
500	80	004-37052-00	Screw & Washer Assy	1	
500**	210	541-50440-03 *	Recoil Starter Assy	1	
500	211	541-50010-10	Reel	1	
500	212	541-50010-20	Ratchet	1	
500	213	541-50010-30	Spiral Spring	1	
500	214	541-50010-40	Ratchet Guide	1	
500	215	541-50010-50	Friction Spring	1	
500	216	541-50010-60	Washer	1	
500	217	524-50010-10	Bind Screw	1	
500	218	541-50011-40	Starter Rope	1	
500	219	530-50021-10	Starter Knob Cp.	1	
500	220	541-50012-20	Thrust Washer	1	
500	230	011-90596-60	Socket Head Bolt	1	
500	231	003-10050-00	Washer	1	

* Subs from former part numbers 541-50560-00 and 541-50400-00

** Does NOT include Recoil Screen Guard Part # 541-55040-00 and Wire Mesh Screen Part # HM16R-22563. These parts must be ordered separately. (see page 3)

FIG 600



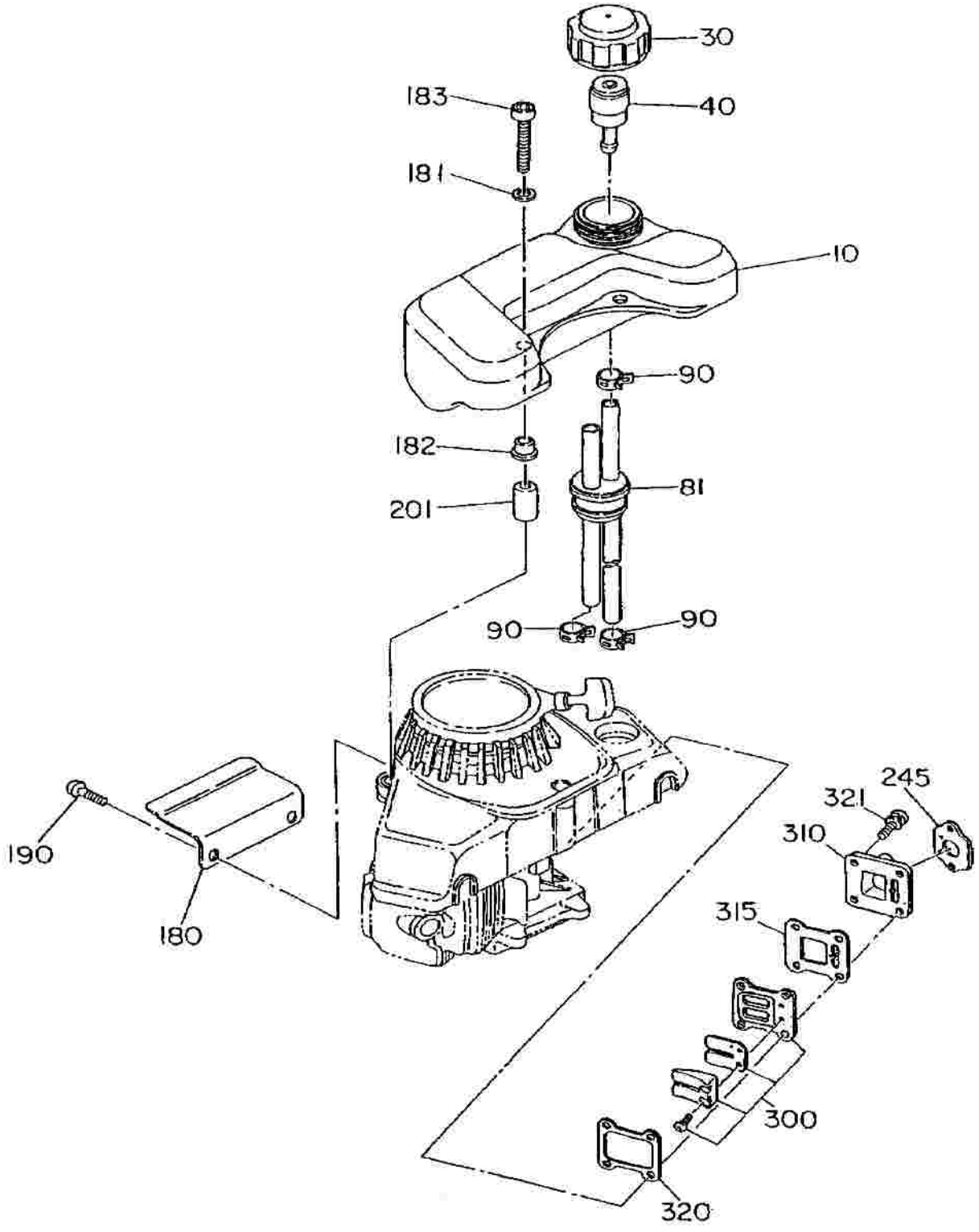
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Figure 600. Carburetor

<u>Fig</u>	<u>Scm #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
600	210	541-60520-00	Carburetor	1
600	211	523-60461-30	Body Assy - Pump	1
600	212	523-60460-60	Body Assy - Air Purge	1
600	213	523-60460-50	Cover	1
600	214	524-60011-50	Pump	1
600	215	523-60460-40	Gasket	1
600	216	531-60052-50	Diaphragm Assy	1
600	217	524-60010-40	Diaphragm	1
600	218	524-60010-30	Gasket	1
600	219	510-60280-10	Jet (55)	1
600	220	524-60010-10	O-Ring	1
600	221	531-60051-20	Ring	1
600	222	523-60180-40	Swivel	1
600	223	501-60040-10	Screen	1
600	224	524-60012-40	Screw	2
600	225	523-60520-20	Bracket	1
600	228	523-60180-20	Ring	1
600	229	523-60460-10	Screw	4
600	230	542-60050-30	Washer	1
600	700	HM16R-22573	Control Cable	1
		HM16R-22575	Throttle Control Bushing	

FIG 600-A

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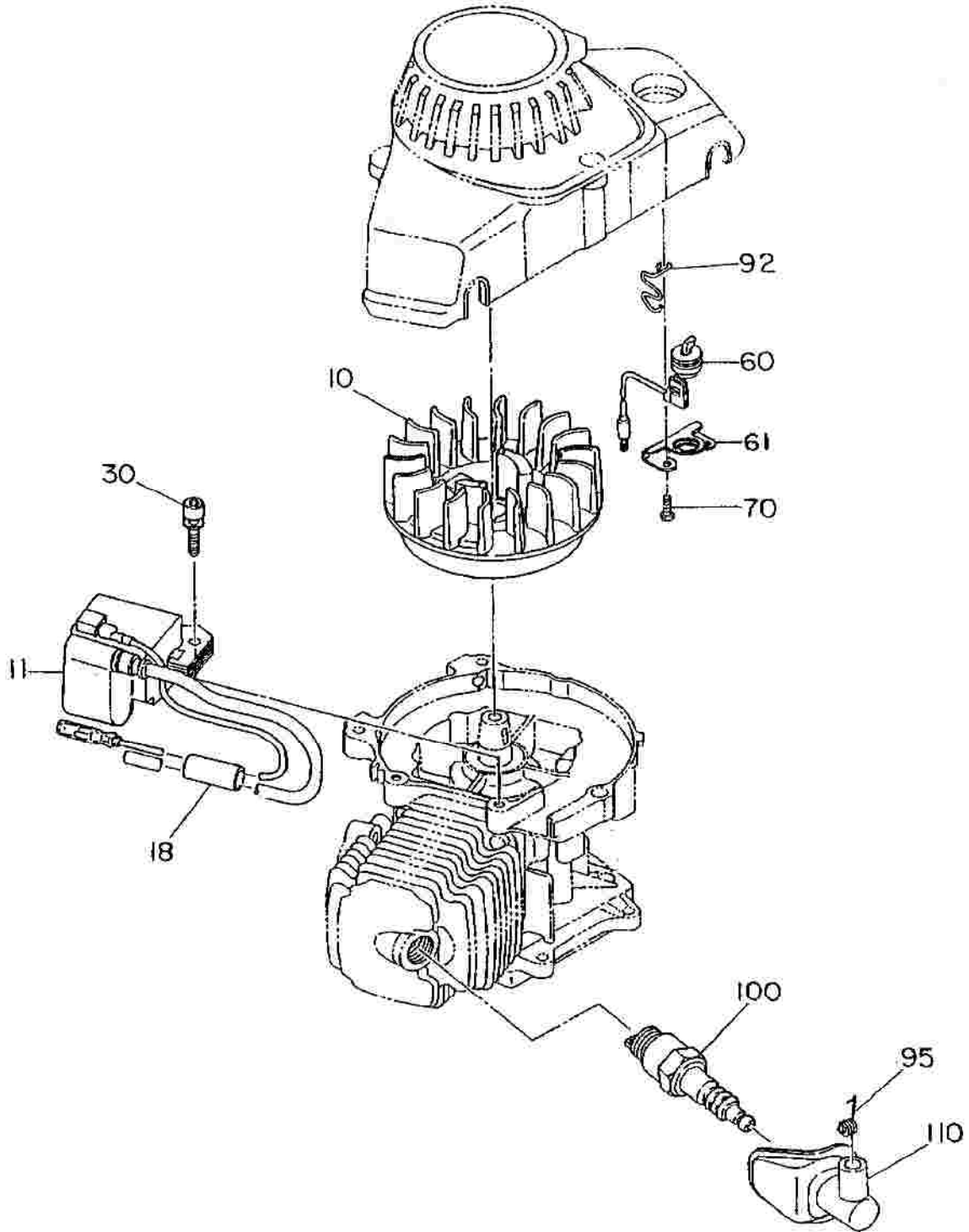


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Figure 600-A. Fuel Tank

<u>Fig</u>	<u>Ref #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
600-A	10	541-65037-00	Fuel Tank	1
600-A	30	525-60580-00	Fuel Tank Cap	1
600-A	40	523-65039-00	Filter	1
600-A	81	085-12099-10	Tube	1
600-A	90	056-10599-90	Hose Clamp	3
600-A	180	540-65036-00	Plate, Tank	1
600-A	181	003-12050-00	Washer	2
600-A	182	541-65030-00	Spacer	2
600-A	183	011-90597-10	Socket Head Bolt	2
600-A	190	004-37061-40	Screw Assy	2
600-A	201	541-65026-00	Spacer	2
600-A	245	541-65040-00	Gasket, Carburator	1
600-A	300	541-30060-00	Lead Cp.	1
600-A	310	540-30480-01	Insulater Assy	1
600-A	315	540-35006-00	Gasket, Insulator	1
600-A	320	541-35028-00	Packing	1
600-A	321	011-90596-10	Socket Head Bolt	4

FIG 700



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Figure 700. Magneto

<u>Fig</u>	<u>Ref #</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
700	10	541-70230-10	Flywheel	1
700	11	541-70230-20	Ignition Coil	1
700	18	541-75003-00	Tube	1
700	30	011-90597-90	Socket Head Bolt	2
700	60	066-20097-20	Stop Switch	1
700	61	541-75006-00	Plate, Stop Switch	1
700	70	015-00499-80	Tapping Screw	2
700	92	541-75001-00	Spring, Earth	1
700	95	065-40099-31	Spring, Plug Cap	1
700	100	065-01496-61	Spark Plug	1
700	110	541-75000-00	Spark Plug Cap	1