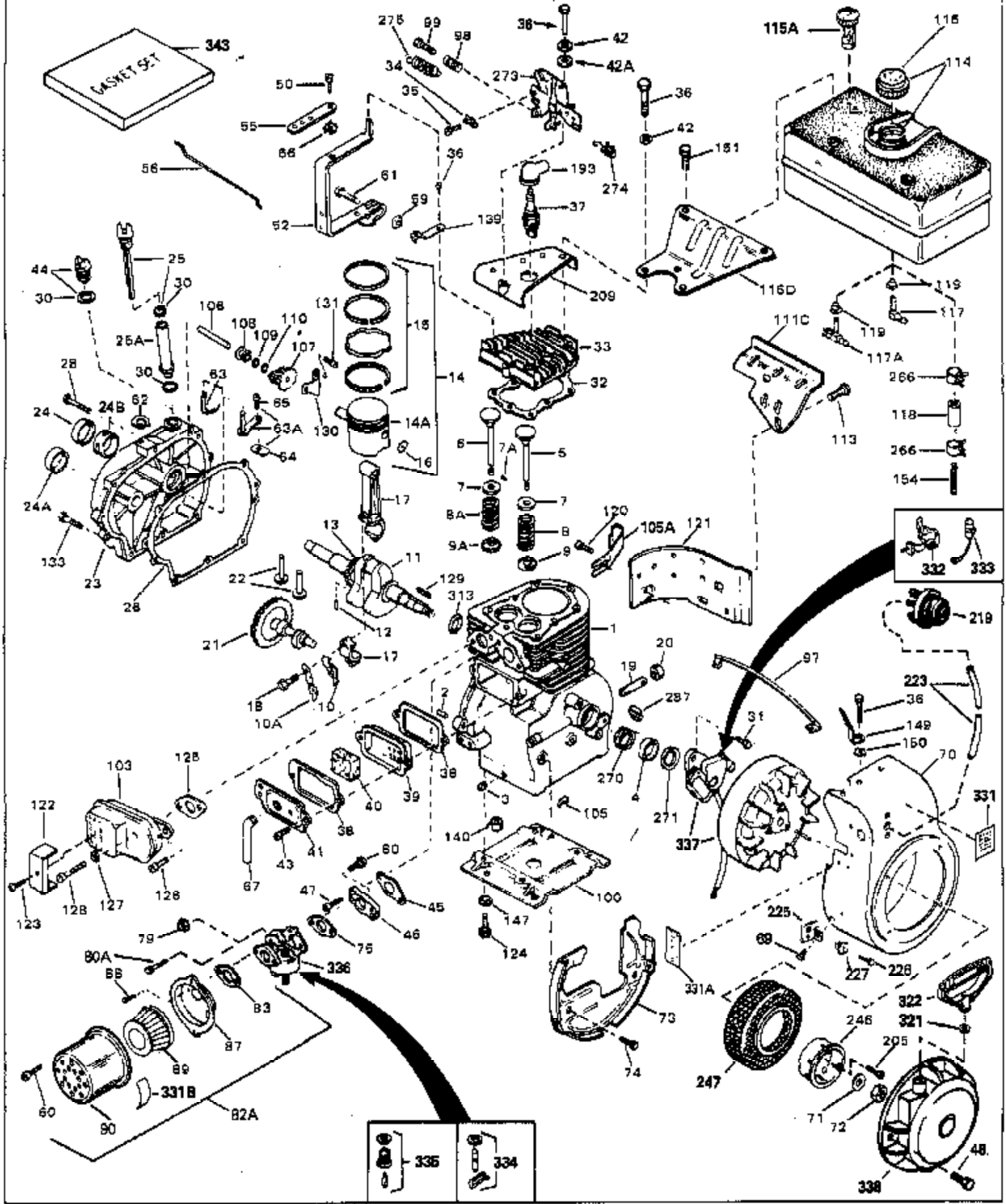


ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



## Engine Parts List #1

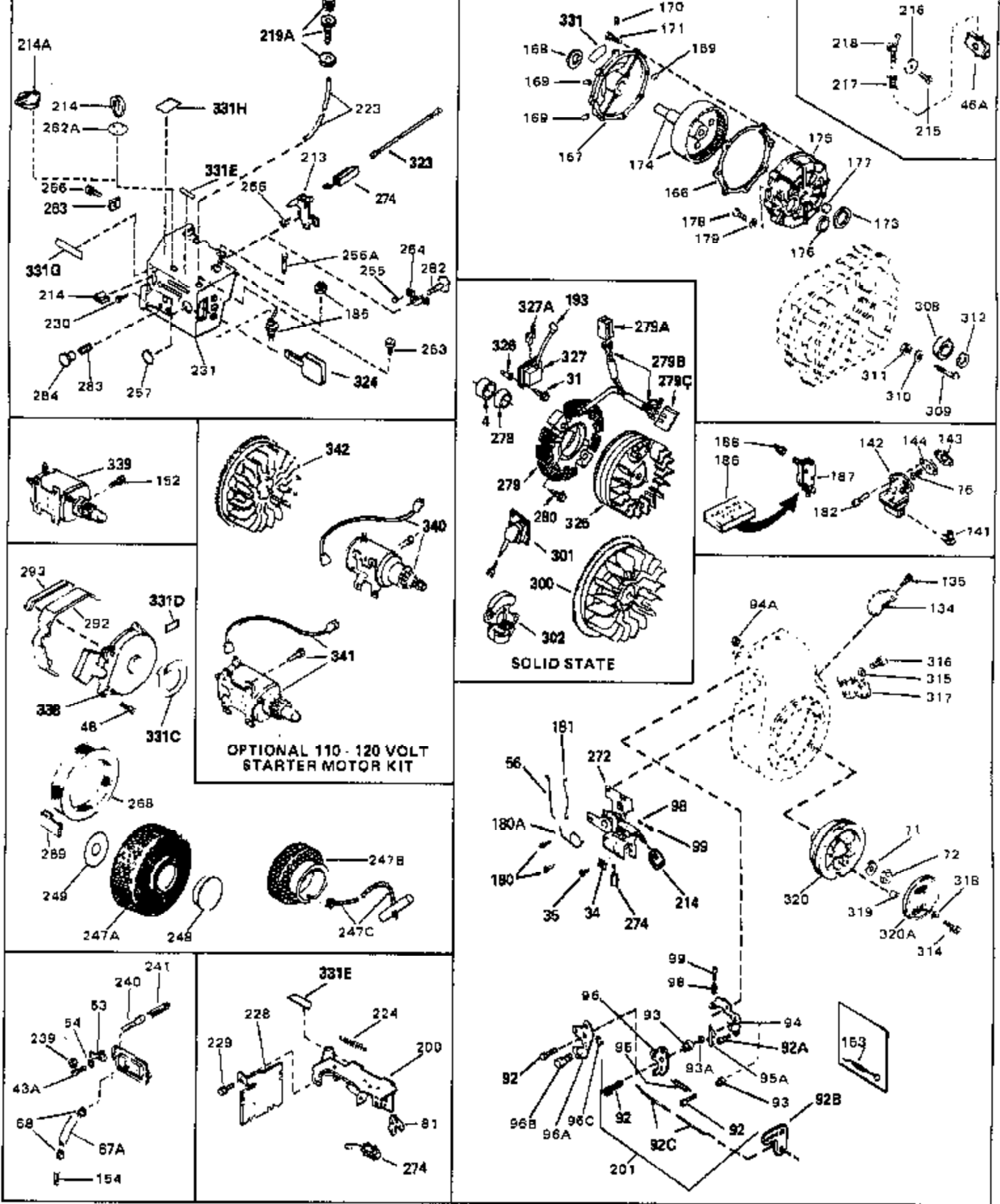
Ref #	Part Number	Qty	Description
	1 32586C		Cylinder (Incl. 2, 3, 4 & 76) (2-3/4" Bore)
	2 27652		Pin, Dowel
	3 27642		Plug, Oil drain
	4 32630		Seal, Oil
	5 32783		Intake Valve (Std.) (Incl. 9)
	5 32784		Intake Valve (1/32" OS) (Incl. 9)
	6 27878A		Exhaust Valve (Std.) (Incl. 9)
	6 27880A		Exhaust Valve (1/32" OS) (Incl. 9)
	7 27882		Cap, Upper valve spring
	7A 20810		Pin, Valve spring retainer (Use as re quired)
	8 27881		Spring, Valve
	8A 27881		Spring, Valve
	9 32581		Cap, Lower valve spring
	9A 32581		Cap, Lower valve spring
	10 34242		Dipper, Oil
	10A 32590		Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.)
	11 32680A		Crankshaft (Incl. 12 & 13)
	12 29783		Crankshaft Gear Pin (Early production )
	13 27884		Gear, Crankshaft (Used in early produ ction) This gear is servicable onlywhen it is pinned to the crankshaft.
	14 34517		Piston, Pin & Ring Set (Std.) (2-3/4" Bore)
	14 34518		Piston, Pin & Ring Set (.010" OS)
	14 34519		Piston, Pin & Ring Set (.020" OS)
	14A 32592B		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
	14A 32593B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	14A 32594B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	15 32595		Ring Set (Std.) (2-3/4" Bore)
	15 32596		Ring Set (.010" OS)
	15 32597		Ring Set (.020" OS)
	16 27888		Ring, Piston pin retaining
	17 32591C		Rod Assy., Connecting (Incl. 10 & 18)
	18 650662C		Screw, Connecting rod (2 each)
	19 30968		Nipple, Oil drain
	20 30969		Cap, Oil drain
	21 32115		Camshaft (MCR)
	22 34034		Lifter, Valve
	23 31303B		Cover, Cylinder (Incl. 24, 106 & 279)
	24B 31546		Bushing, Crankshaft (Use as required)
	24 28427		Seal, Oil
	25A 33893A		Tube, Oil filler
	25 34011A		Dipstick, Oil (Incl. 30)
	26 30684		* Gasket, Cylinder cover
	28 650488		Screw, 1/4-20 x 1-1/4"
	30 33590		"O" Ring
	31 650489		Screw, 1/4-20 x 5/8"
	32 32631A		* Gasket, Cylinder head
	33 30938A		Head, Cylinder
	34 27793		Clip, Conduit (Use as required)
	35 28942		Screw, 10-32 x 3/8" (Use as required)
	36 650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
	36 650695A		Screw, 5/16-18 x 2-1/4" (Use as requi red)
	36 650694A		Screw, 5/16-18 x 2" (Use as required)
	37 33636		Resistor Spark Plug (RJ-8C)
	37 34251		Resistor Spark Plug
	38 27896A		* Gasket, Breather cover
	39 28423		Body, Breather

## Engine Parts List #1

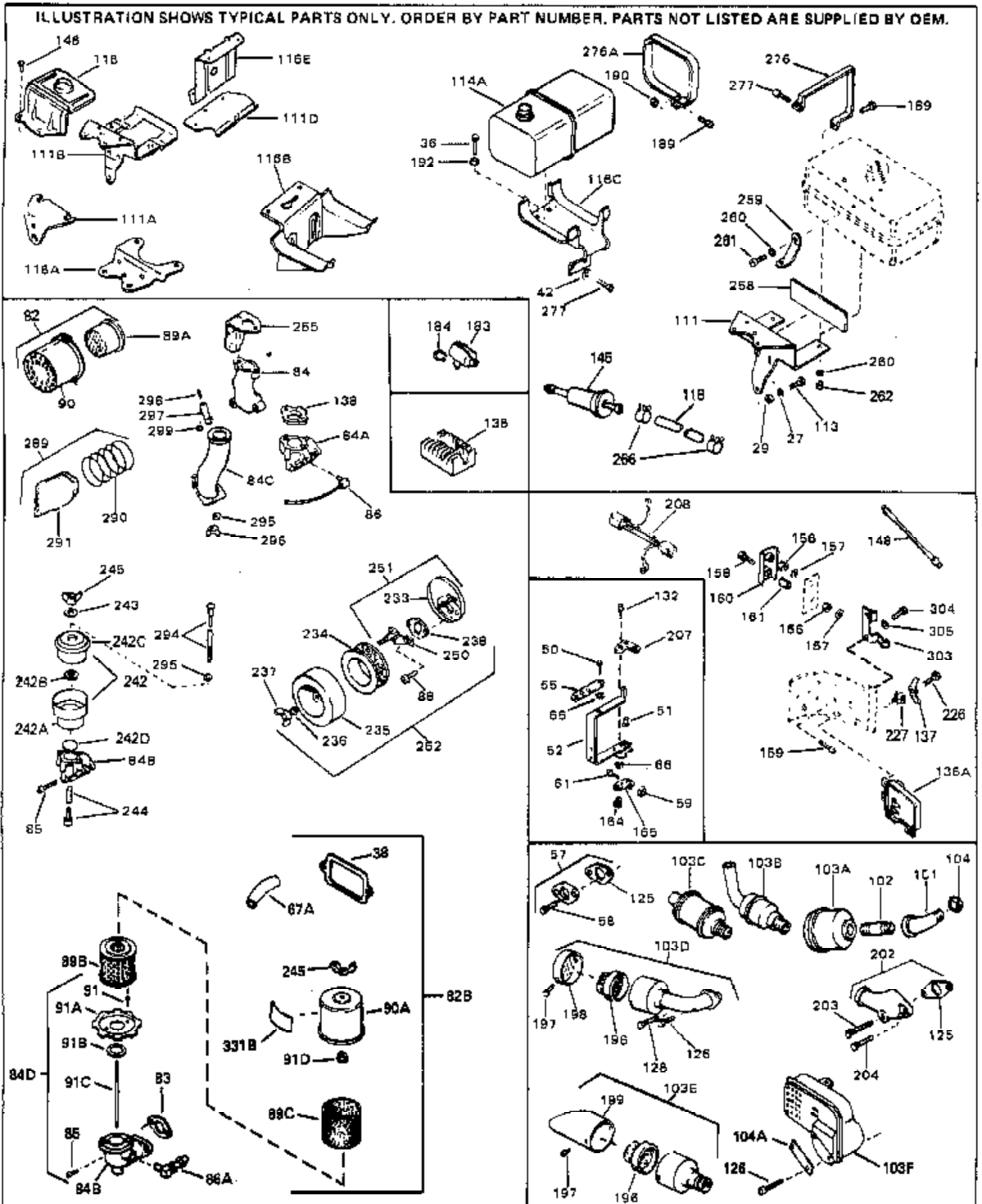
Ref #	Part Number	Qty	Description
40	28424		Element, Breather
41	28425		Cover, Valve spring
42	26073		Washer (Use as required)
42	650691		Washer, Flat (Use as required)
42A	650690		Washer, Belleville (Use as required)
43	650128		Screw, 10-24 x 1/2"
45	27915A		* Gasket, Intake
46	30195A		Flange, Carburetor (Incl. 79 & 80)
47	30196		Screw, 5/16-18 x 3/4"
48	29716		Screw, 1/4-28 x 7/16"
50	650548		Screw, 8-32 x 5/16"
52	32326A		Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207)
55	30205		Bracket, Adjusting
56	30824		Link, Throttle
59	29216		Nut, Lock, 10-32
61	29826		Screw, 10-32 x 3/4"
62	29642		Ring, Retaining
63A	30699C		Rod Assy., Governor (Incl. 64 & 65)
63	30699B		Governor Rod Ass'y. (This one-piece governor rod is no longer used. It is replaced by 30699C ass'y., Ref. no. 63A)
64	30700		Yoke, Governor
65	650494		Screw, 6-40 x 5/16"
66	29918		Lockwasher, #8 E.T.
67	35350		Tube, Breather
69	29747B		Screw, 5/16-24 x 21/32"
70	32158E		Blower Housing (For elec.star.)(Incl. 134,135)
71	650815		Washer, Belleville
72	8116		Nut, Hex
73	29536		Blower Housing Baffle (without electric starter knock-out) (Use as required)
73	35256A		Blower Housing Baffle (with electric starter knock-out) (Use as required) (Point Ignition)
74	650561		Screw, 1/4-20 x 5/8"
75	31688A		* Gasket, Carburetor
79	29752		Nut & Lockwasher Assy., 1/4-28
80	650572		Screw, 1/4-28 x 1-1/8"
82A	730164		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B) (Use as required)
97	34131		Ground Wire
100	29538		Base, Engine mounting
103	32401		Muffler
106	31845		Shaft, Mechanical governor
107	30591		Gear Assy., Governor (Incl. 109)
108	30588A		Spool, Governor
109	30590A		Washer, Flat
110	29193		Ring, Retaining
113	650561		Screw, 1/4-20 x 5/8"
114	33350		Fuel Tank (Incl. 115 & 117A)
115	410144B		Fuel Cap (White Plastic)(Std)(As required)
115	33032		Fuel Cap (Charcoal Plastic) (Spurt resistant, Low profile) (Use as required)
115	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)

Ref #	Part Number	Qty	Description
	115 35355		Fuel Cap (Use as required)
	117A 33351		Valve, Fuel strainer & shut-off (Incl 119)
	118 29774		Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
	118 30705		Fuel Line (Braided 16") (41 cm) (Use as req.)
	118 30962		Fuel Line (Braided 32") (81 cm) (Use as req.)
	119 33679		Bushing, Fuel fitting
	120 650128		Screw, 10-24 x 1/2" (Use as required)
	121 30622A		Extension, Blower housing
	124 650542		Screw, 5/16-18 x 3/4"
	125 27930A		Gasket, Exhaust
	126 30196		Screw, 5/16-18 x 3/4"
	127 26073		Washer (Use as required)
	128 650694A		Screw, 5/16-18 x 2" (Use as required)
	129 32589		Key, Flywheel
	130 31843A		Bracket, Governor gear
	131 650836		Screw, 10-24 x 1/2"
	133 650493		Screw, 1/4-20 x 1-3/4"
	149 30747		Clip, Shorting
	193 610118		Cover, Spark plug (Use as required)
	205 650561		Screw, 1/4-20 x 5/8" (Use as required )
	209 30939A		Cover, Cylinder head
	223 32180C		Line, Primer
	225 34126		Bracket, Grommet mounting
	226 650760		Screw, 8-32 x 3/8"
	227 28545		Grommet
	246 32125		Cup, Starter
	247 590417		Screen, Starter cup
	266 26460		Clamp, Fuel line
	270 31461		Bushing, Crankshaft (Use as required)
	274 610973		Terminal Ass'y. (As req. on late prod uction)
	287 27275		Clip, Hi-tension wire (Use as require d)
	287 34246		Clip, Ground wire (Use as required)
	331A 34346		Decal, Instruction
	332 30547A		Contact Ass'y., Breaker
	333 30548B		Condenser
	334 631021		Inlet Needle, Seat & Clip Assy.
	336 631870		Carburetor (Incl. 75) (Refer to Division 5, Section A, page 134 for breakdown)
	337 610694A		Magneto (w/ring gear for 110 volt sta rter) NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as show in parts list. (Refer to Division 5, Section B, page 24 for breakdown)
	338 590473		Rewind Starter (Refer to Division 5, Section C, page 29 for breakdown)
	343 33239A		Gasket Set (Incl. items marked*)

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Ref #	Part Number	Qty	Description
31	650489		Screw, 1/4-20 x 5/8"
34	27793		Clip, Conduit (Use as required)
35	28942		Screw, 10-32 x 3/8" (Use as required)
43A	650128		Screw, 10-24 x 1/2"
48	29716		Screw, 1/4-28 x 7/16"
56	30824		Link, Throttle
71	650815		Washer, Belleville
72	8116		Nut, Hex
76	9556		Plug, Pipe, 1/8-27
134	33013		Cover, Bubble
135	650736		Screw, 10-16 x 3/8"
193	610118		Cover, Spark plug (Use as required)
200	33109A		Control Bracket (Incl. 224 & 274)
219A	570629A		Primer Assy.
223	32180C		Line, Primer
224	30826		Spring, Extension
230	650257		Screw, 8-32 x 5/16"
231	33723		Cover, Carburetor
254	32398		Bracket, Choke
255	28820		Screw, 10-32 x 1/2"
256	650760		Screw, 8-32 x 3/8"
256A	650765		Screw, 10-32 x 1/2"
263	650764		Nut, "U" Type (Use as required)
274	610973		Terminal Ass'y. (As req. on late prod uction)
292	31680		Guard, Starter
293	32576		Seal, Snow guard
331G	34150		Decal, Choke
331G	34151		Decal, Choke
331H	33722		Decal, Instruction
331H	34414		Decal, Warning
338	590473		Rewind Starter (Refer to Division 5, Section C, page 29 for breakdown)
340	33328D		Starter Motor Kit (110-120 Volt) This 110-120 volt starter motor kit may have been added to this engine. It can be added only if cylinder hasdrilled and tapped starter mounting bosses and a ring gear flywheel (see#342). Refer to service number stamped on end cap of motor, or on decal, for identifical
342	30811A		Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter kits listed above)
342	611042		Flywheel (Used on Type letters H and above) (Std. Point ignition) (Ring gear flywheel required on engines using 110-120 volt starter kits listed above)
342	611085		Flywheel (Minimum ring gear flywheel required on engines using 110-120 volt starter kits listed above) (Use withSolid State ignition)



Ref #	Part Number	Qty	Description
27	27513		Lockwasher, 1/4" (Use as required)
36	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
36	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
36	650694A		Screw, 5/16-18 x 2" (Use as required)
38	27896A		* Gasket, Breather cover
42	26073		Washer (Use as required)
42	650691		Washer, Flat (Use as required)
50	650548		Screw, 8-32 x 5/16"
51	30319		Rivet, Split (Used in early production)
52	32326A		Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207)
55	30205		Bracket, Adjusting
57	730130		Exh.Adap.Kit (Incl. 58 & 125) (Use as req.)
58	30196		Screw, 5/16-18 x 3/4" (Use as required)
59	29216		Nut, Lock, 10-32
61	29826		Screw, 10-32 x 3/4"
66	29918		Lockwasher, #8 E.T.
82B	730561		Air cleaner kit (Incl. 38, 67A, 83, 84B, 85,89B, 89C, 90A, 91, 91A, 91B, 91C, 91D, 245 & 331B) (Use only on engines with an externally vented fully adjustable carburetor)
82	730127		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89A, 90, 238 & 331B) (Use as required)
84D	34819		Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use in 730561 assembly only) NOTE: 130010 thru 10C & 11 used in early production only.
103E	391026		Opt. Spark Arrest Muffler (Incl.196,1 97,199)
111B	33353		Bracket, Lower fuel tank
113	650561		Screw, 1/4-20 x 5/8"
116	33352A		Plate, Upper fuel tank mounting
118	29774		Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
118	30705		Fuel Line (Braided 16") (41 cm) (Use as req.)
118	30962		Fuel Line (Braided 32") (81 cm) (Use as req.)
125	27930A		Gasket, Exhaust
126	30196		Screw, 5/16-18 x 3/4"
128	650694A		Screw, 5/16-18 x 2" (Use as required)
132	650548		Screw, 8-32 x 5/16" (Early production )
146	792020		Screw, 1/4-20 x 2-1/4"
148	34067		Wire Assy., Alternator adapter (4-1/4 ")
148	34069		Wire Assy., Alternator adapter (6-3/4 ")
202	31288		Exh. Adaptor Kit (Incl.125,203,204) ( As req.)
203	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
204	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
226	650760		Screw, 8-32 x 3/8"
227	28545		Grommet
266	26460		Clamp, Fuel line