

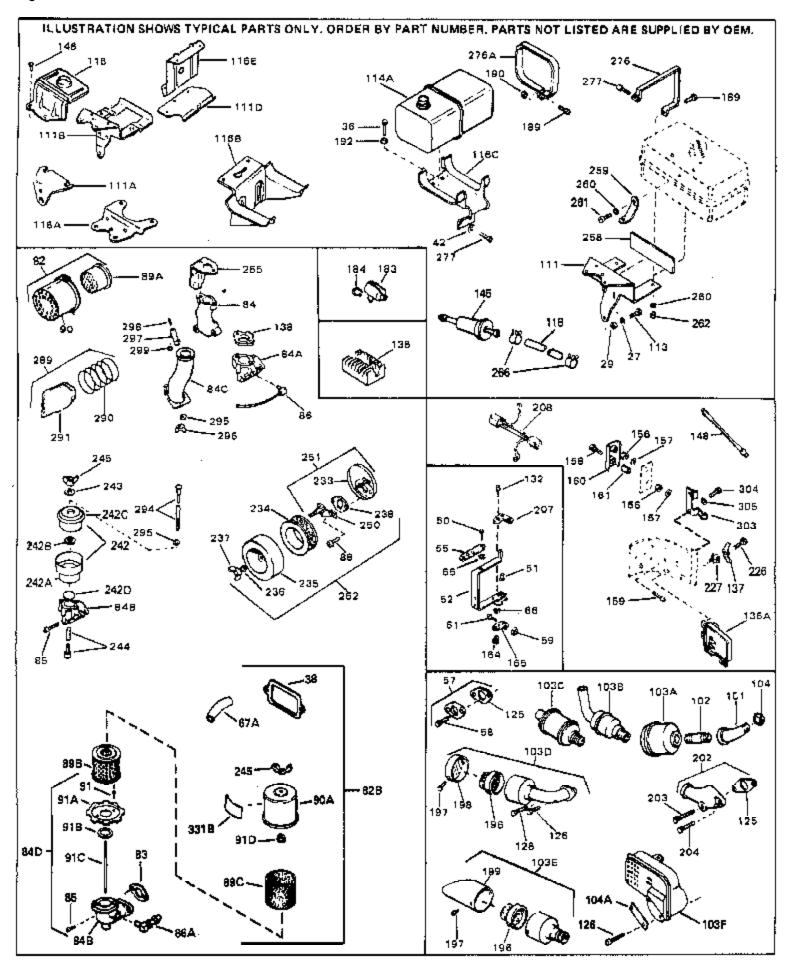
	Part Number	Qty	Description
1	32586C		Cylinder (Incl. 2, 3, 4 & 76) (2-3/4" Bore)
2	27652		Pin, Dowel
3	27642		Plug, Oil drain
4	32630		Seal, Oil
	32783		Intake Valve (Std.) (Incl. 9)
	32784		Intake Valve (1/32" OS) (Incl. 9)
	27878A		Exhaust Valve (Std.) (Incl. 9)
	27880A		Exhaust Valve (3ld.) (Incl. 9) Exhaust Valve (1/32" OS) (Incl. 9)
			· · · · · · · · · · · · · · · · · · ·
	27882		Cap, Upper valve spring
	20810		Pin, Valve spring retainer (Use as re quired)
	27881		Spring, Valve
	27881		Spring, Valve
	32581		Cap, Lower valve spring
9A	32581		Cap, Lower valve spring
10A	32590		Plate, Lock & Oil dipper (This plate may be replaced by
			34242 oil dipper but 650662C screw must be used.)
10	24242		
	34242		Dipper, Oil
	32680A		Crankshaft (Incl. 12 & 13)
	29783		Crankshaft Gear Pin (Early production)
13	27884		Gear, Crankshaft (Used in early production) This gear is
			servicable onlywhen it is pinned to the crankshaft.
144	32592B		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
	32593B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32594B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	34517		
			Piston, Pin & Ring Set (Std.) (2-3/4" Bore)
	34518		Piston, Pin & Ring Set (.010" OS)
	34519		Piston, Pin & Ring Set (.020" OS)
	32595		Ring Set (Std.) (2-3/4" Bore)
	32596		Ring Set (.010" OS)
	32597		Ring Set (.020" OS)
	27888		Ring, Piston pin retaining
17	32591C		Rod Assy., Connecting (Incl. 10 & 18)
18	650662C		Screw, Connecting rod (2 each)
21	32115		Camshaft (MCR)
22	34034		Lifter, Valve
	31303B		Cover, Cylinder (Incl. 24, 106 & 279)
	31546		Bushing, Crankshaft (Use as required)
	28427		Seal, Oil
	31297		Dipstick, Oil (Incl. 30)
	30684		* Gasket, Cylinder cover
	650488		Screw, 1/4-20 x 1-1/4"
	29673		* Gasket, Oil filler
	650489		·
			Screw, 1/4-20 x 5/8" * Coolean Culinder bood
	32631A		* Gasket, Cylinder head
	30938A		Head, Cylinder
	27793		Clip, Conduit (Use as required)
	28942		Screw, 10-32 x 3/8" (Use as required)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as requi red)
	650694A		Screw, 5/16-18 x 2" (Use as required)
37	33636		Resistor Spark Plug (RJ-8C)
37	34251		Resistor Spark Plug
	27896A		* Gasket, Breather cover
	28423		Body, Breather
	28424		Element, Breather
	28425		Cover, Valve spring
	26073		Washer (Use as required)
72	200.0		reaction (000 do roquilou)

Ref #	Part Number C	ty Description
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	650128	Screw, 10-24 x 1/2"
	27915A	·
		* Gasket, Intake
	30195A	Flange, Carburetor (Incl. 79 & 80)
	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
	31710	Link, Throttle
		•
	29216	Nut, Lock, 10-32
	650152	Screw, 8-32 x 3/8"
	29826	Screw, 10-32 x 3/4"
62	29642	Ring, Retaining
63	30699B	Governor Rod Ass'y. (This one-piece governor rodis no longer
		used. It is replaced by 30699C ass'y.,Ref. no. 63A)
63A	30699C	Rod Assy., Governor (Incl. 64 & 65)
	30700	Yoke, Governor
	650494	Screw, 6-40 x 5/16"
	29918	Lockwasher, #8 E.T.
	35350	Tube, Breather
	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
	29536	Blower Housing Baffle (without electric starter knock-out)
.0	2000	(Use as required)
70	252564	Player Hayaina Poffla (with alactric starter (made out) (Llac
13	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
	650572	Screw, 1/4-28 x 1-1/8"
	730164	Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B)
02/1	730104	(Use as required)
		,
	27272A	* Gasket, Air cleaner
87	31691	Bracket, Air cleaner NOTE: 130010 thru 10C & 11 used in
		early production only.
88	28820	Screw, 10-32 x 1/2"
	30727	Element, Air cleaner
	31715	·
		Body, Air cleaner
	28569	Spring, Compression
	29500	Screw, 8-32 x 3/4"
	29538	Base, Engine mounting
103	32401	Muffler
106	31845	Shaft, Mechanical governor
107	30591	Gear Assy., Governor (Incl. 109)
	30588A	Spool, Governor
	30590A	Washer, Flat
	29193	Ring, Retaining
	650561	Screw, 1/4-20 x 5/8"
		·
	31301 440444B	Fuel Tank (Incl. 115)
115	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)

Ref #	Part Number Q	ty Description
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)
115	25255	• ,
	35355 28584	Fuel Cap (Use as required)
	29774	Fitting, Fuel strainer & elbow Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
	30705	Fuel Line (Braided 16") (41 cm) (Use as req.)
	30962	Fuel Line (Braided 32") (81 cm) (Use as req.)
	650128	Screw, 10-24 x 1/2" (Use as required)
	30622A	Extension, Blower housing
	650542	Screw, 5/16-18 x 3/4"
	27930A	Gasket, Exhaust
	30196	Screw, 5/16-18 x 3/4"
	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"
	650493	Screw, 1/4-20 x 1-3/4"
	30747	Clip, Shorting
	650890	Lockwasher
	610118	Cover, Spark plug (Use as required)
	650561	Screw, 1/4-20 x 5/8" (Use as required)
	30939A	Cover, Cylinder head
	32125	Cup, Starter
	590417	Screen, Starter cup
	26460	Clamp, Fuel line
	31461 31711B	Bushing, Crankshaft (Use as required)
	610973	Copntrol Bracket (Incl. 98, 99 & 274) Terminal Ass'y. (As reg. on late prod uction)
	34043	Spring, Control lever
	27275	Clip, Hi-tension wire (Use as require d)
	34246	Clip, Ground wire (Use as required)
	550223	Decal, Name
	34346	Decal, Instruction
	31752	Decal, Air cleaner
332	30547A	Contact Assy., Breaker
333	30548B	Condenser
334	631021	Inlet Needle, Seat & Clip Assy.
336	631453	Carburetor (Incl. 75) (Refer to Division 5, Section A, page 100
		for breakdown)
337	610689A	Magneto 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)
220	500/20	,
330	590420	Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
		,
343	33239A	Gasket Set (Incl. items marked*)



Ref #	Part Number	Qtv	Description
	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	31710		Link, Throttle
71	650815		Washer, Belleville
72	8116		Nut, Hex
98	28569		Spring, Compression
99	29500		Screw, 8-32 x 3/4"
193	610118		Cover, Spark plug (Use as required)
	650764		Nut, "U" Type (Use as required)
	610973		Terminal Ass'y. (As req. on late prod uction)
	550223		Decal, Name
338	590420		Rewind Starter (Refer to Division 5, Section C, page 25 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 identifica
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 36 36 38 42 42 50 51	Part Number 27513 650697A 650695A 650694A 27896A 26073 650691 650548 30319 32326A	Qty	Description Lockwasher, 1/4" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as requi red) Screw, 5/16-18 x 2-1/4" (Use as requi red) Screw, 5/16-18 x 2" (Use as required) * Gasket, Breather cover Washer (Use as required) Washer, Flat (Use as required) Screw, 8-32 x 5/16" Rivet, Split (Used in early productio n) Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207) Bracket, Adjusting
57 58 59 61 66	730130 30196 29216 29826 29918 730561		Exh.Adap.Kit (Incl. 58 & 125) (Use as req.) Screw, 5/16-18 x 3/4" (Use as require d) Nut, Lock, 10-32 Screw, 10-32 x 3/4" Lockwasher, #8 E.T. 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)
	27272A 34819		* Gasket, Air cleaner Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use in 730561 assembly only)
90 103E 111 113 118 118 118 125 126 128 132 148 148 149 202 203 204 262 266 276 277	28820 31715 391026 31694 650561 29774 30705 30962 27930A 30196 650694A 650548 34067 34069 6201 31288 650697A 6021A 29752 26460 31697 29212 31752		Screw, 10-32 x 1/2" Body, Air cleaner Opt. Spark Arrest Muffler (Incl.196,1 97,199) Bracket, Fuel tank Screw, 1/4-20 x 5/8" Fuel Line (Braided 8-1/4" 21 cm)(Use as req.) Fuel Line (Braided 16") (41 cm) (Use as req.) Fuel Line (Braided 32") (81 cm) (Use as req.) Gasket, Exhaust Screw, 5/16-18 x 3/4" Screw, 5/16-18 x 2" (Use as required) Screw, 8-32 x 5/16" (Early production) Wire Assy., Alternator adapter (4-1/4") Wire Assy., Alternator adapter (6-3/4") Screw, 1/4-28 x 7/8" Exh. Adaptor Kit (Incl.125,203,204) (As req.) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 1-1/2" (Use as required) Nut, Lock Clamp, Fuel line Strap, Fuel tank Screw, Hex hd. Sems, 1/4-28 x 7/16 Decal, Air cleaner