

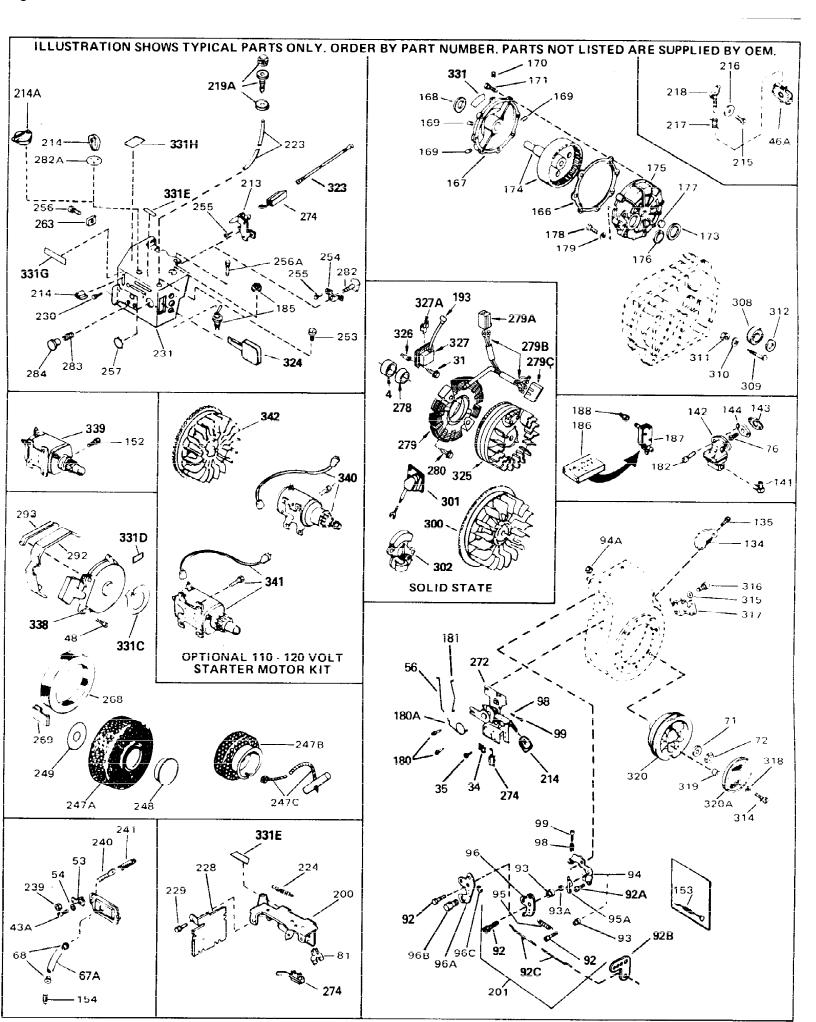
Ref #	Part Number	Qty	Description
2 3 4 5 5 6 7 7A 8A 8 9A 9	32586C 27652 27642 32630 32783 32784 27878A 27880A 27882 20810 27881 32581 32581 32581		Cylinder (Incl. 2, 3, 4 & 76) (2-3/4" Bore) Pin, Dowel Plug, Oil drain Seal, Oil Intake Valve (Std.) (Incl. 9) Intake Valve (1/32" OS) (Incl. 9) Exhaust Valve (Std.) (Incl. 9) Exhaust Valve (1/32" OS) (Incl. 9) Cap, Upper valve spring Pin, Valve spring retainer (Use as re quired) Spring, Valve Spring, Valve Cap, Lower valve spring Cap, Lower valve spring Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.)
11 12	34242 32670 29783 27884		Dipper, Oil Crankshaft (Incl. 12 & 13) Crankshaft Gear Pin (Early production) Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft.
14A 14A 14 14 15 15 15 16 17 18 21 22 23 24B 24 25 26 28 30 31 31 32 33 34 35 36 36 36	32592B 32594B 34517 34518 34519 32595 32596 32597 27888 32591C 650662C 32115 34034 31303B 31546 28427 29668 30684 650488 29673 650489 650516 32631A 30938A 27793 28942 650695A 650694A 33636		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16) Piston & Pin Ass'y. (.010" OS) (Incl. 16) Piston & Pin Ass'y. (.020" OS) (Incl. 16) Piston, Pin & Ring Set (Std.) (2-3/4" Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Ring Set (Std.) (2-3/4" Bore) Ring Set (.010" OS) Ring Set (.020" OS) Ring, Piston pin retaining Rod Assy., Connecting (Incl. 10 & 18) Screw, Connecting rod (2 each) Camshaft (MCR) Lifter, Valve Cover, Cylinder (Incl. 24, 106 & 279) Bushing, Crankshaft (Use as required) Seal, Oil Dipstick, Oil (Incl. 30) * Gasket, Cylinder cover Screw, 1/4-20 x 1-1/4" * Gasket, Oil filler Screw, 1/4-20 x 5/8" Screw, 1/4-20 x 1-1/8" * Gasket, Cylinder head Head, Cylinder Clip, Conduit (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) Screw, 5/16-18 x 2" (Use as required) Resistor Spark Plug (RJ-8C)

Ref # Part Number Oty Description 37 34251 Resistor Spark Plug 38 27896A " Gasket, Breather cover 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring 42A 650690 Washer, Belleville (Use as required) 42 650691 Washer (Use as required) 42 650692 Washer, Flat (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, 5/16-18 x 3/4" 50 650548 Screw, 1/4-28 x 7/16" 52 32326A Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207) 55 30205 Bracket, Adjusting 56 31710 Link, Throttle 59 29216 Nut, Lock, 10-32 60 650152 Screw, 8-32 x 3/8" 61 29826 Screw, 10-32 x 3/4" 62 29642 Ring, Retaining 63 30699B Governor Rod Assy, Governor (Incl. 64 & 65) 60 650494 <th></th>	
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66 29918 Lockwasher, #8 E.T.	
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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)	
83 27272A * Gasket, Air cleaner	
87 31691 Bracket, Air cleaner NOTE: 130010 thru 10C & 1	
used in early production only.	
88 28820 Screw, 10-32 x 1/2"	
89 30727 Element, Air cleaner	
90 31715 Body, Air cleaner	
97 31582 Ground Wire	
100 29538 Base, Engine mounting	

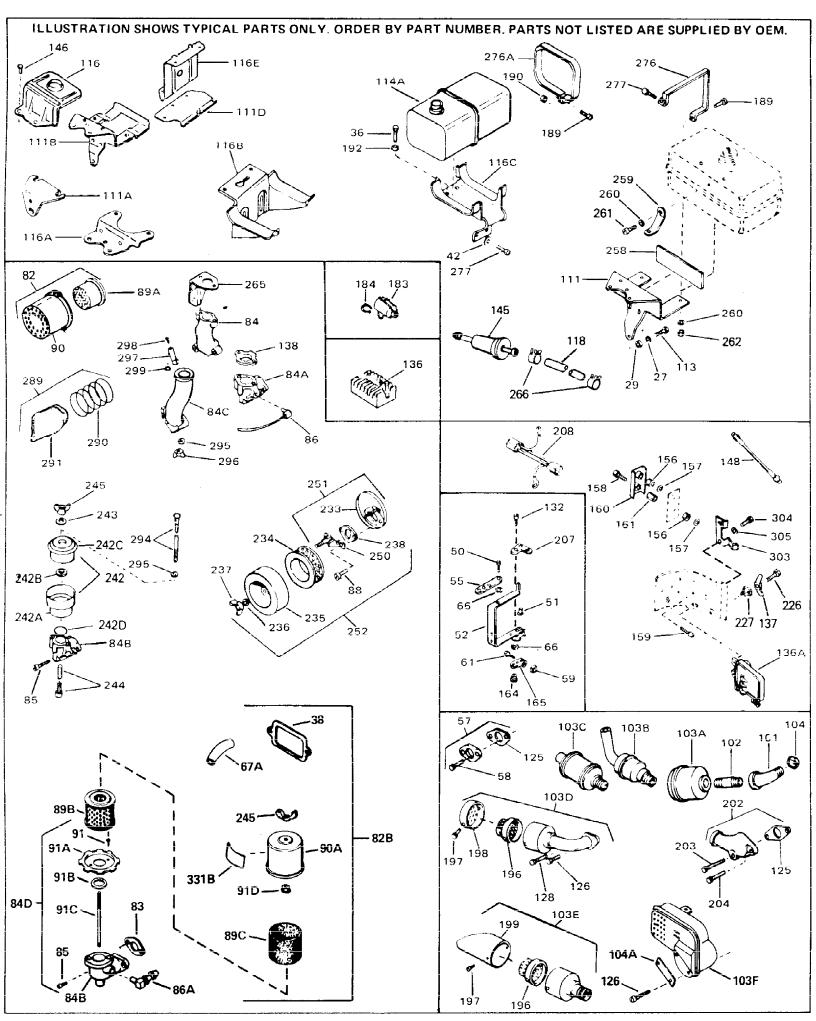
343 33239A

106 107 108 109 110 113 114	31845 30591 30588A 30590A 29193 650561 31301 410144B	Shaft, Mechanical governor Gear Assy., Governor (Incl. 109) Spool, Governor Washer, Flat Ring, Retaining Screw, 1/4-20 x 5/8" Fuel Tank (Incl. 115) Fuel Cap (White Plastic)(Std)(As requ ired)
	33032 34210	Fuel Cap (Charcoal Plastic) (Spurt resistant, Low profile) (Use as required) Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
117 118 118 118 120 121 124 127 128 129 130 131 133 149 193 205 209 246 247 266 270 274 287 331A 331B 332 333	35355 28584 29774 30705 30962 650128 30622A 650542 26073 650694A 32589 31843A 650836 650493 30747 610118 650561 30939A 32125 590417 26460 31461 610973 27275 34246 34346 31752 30547A 30548B 631021 631453	Fuel Cap (Use as required) Fitting, Fuel strainer & elbow 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.) Screw, 10-24 x 1/2" (Use as required) Extension, Blower housing Screw, 5/16-18 x 3/4" Washer (Use as required) Screw, 5/16-18 x 2" (Use as required) Key, Flywheel Bracket, Governor gear Screw, 10-24 x 1/2" Screw, 1/4-20 x 1-3/4" Clip, Shorting Cover, Spark plug (Use as required) Screw, 1/4-20 x 5/8" (Use as required) Screw, 1/4-20 x 5/8" (Use as required) Tover, Cylinder head Cup, Starter Screen, Starter cup Clamp, Fuel line Bushing, Crankshaft (Use as required) Terminal Ass'y. (As req. on late prod uction) Clip, Hi-tension wire (Use as required) Decal, Instruction Decal, Air cleaner Contact Assy., Breaker Condenser Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 75) (Refer to Division 5, Section A, page 100 for breakdown)
337	610681A	Magneto (w/ring gear) (12 Volt) (3 Am p) 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 23 for breakdown)
338	590420	Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
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Gasket Set (Incl. items marked*)



Ref #	Part Number	Qty	Description
31	650489		Screw, 1/4-20 x 5/8"
31	650516		Screw, 1/4-20 x 1-1/8"
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
134	33013		Cover, Bubble
135	650736		Screw, 10-16 x 3/8"
193	610118		Cover, Spark plug (Use as required)
239	33450		Nut, Lock
240	30845A		Bolt, Governor adjusting
241	30886A		Spring, Governor bolt
263	650764		Nut, "U" Type (Use as required)
274	610973		Terminal Ass'y. (As req. on late prod uction)
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)



D-4 //	David Niverski a m	<u> </u>	Dependenties
	Part Number	Qty	Description
	27513		Lockwasher, 1/4" (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)
36	650694A		Screw, 5/16-18 x 2" (Use as required)
38	27896A		* Gasket, Breather cover
42	26073		Washer (Use as required)
	650691		Washer, Flat (Use as required)
	650548		Screw, 8-32 x 5/16"
	30319		Rivet, Split (Used in early production)
32	32326A		Lever, Governor (New lever does not need 1 of
			51,66,132,164,165,207)
55	30205		Bracket, Adjusting
	730130		Exh.Adap.Kit (Incl. 58 & 125) (Use as req.)
	30196		Screw, 5/16-18 x 3/4" (Use as require d)
	29216		Nut, Lock, 10-32
	29826		Screw, 10-32 x 3/4"
	29918		Lockwasher, #8 E.T.
82	730127		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89A, 90, 238
			& 331B) (Use as required)
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)
83	27272A		* Gasket, Air cleaner
	34819		Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B &
040	0-010		91C) (Use in 730561 assembly only)
			910) (Use III 730301 assembly only)
88	28820		Screw, 10-32 x 1/2"
90	31715		Body, Air cleaner
101	29574		Muffler Elbow
	391026		Opt. Spark Arrest Muffler (Incl.196,1 97,199)
	32862		Conduit Nut
	31694		Bracket, Fuel tank
	650561		Screw, 1/4-20 x 5/8"
	29774		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.)
	650694A		Screw, 5/16-18 x 2" (Use as required)
	650548		Screw, 8-32 x 5/16" (Early production)
	650139		Screw, 8-32 x 1/2"
	34067		Wire Assy., Alternator adapter (4-1/4 ")
148	34069		Wire Assy., Alternator adapter (6-3/4 ")
156	28728		Nut
	28727		Lockwasher
	30066		Screw, 5-40 x 3/8"
	28726		Screw, 5-40 x 9/16"
	30064		Cover, Panel
	30065		Nut, Hex, 5-40 (Special thickness, 15 /32")
	6201		Screw, 1/4-28 x 7/8" Exp. Adaptor Kit (Ipol 135 203 204) (Agree)
	31288		Exh. Adaptor Kit (Incl.125,203,204) (As req.)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
	31725A		Extension, Governor lever
262	29752		Nut, Lock

Ref #	Part Number	Qty D	escription
266	26460	С	Clamp, Fuel line
276	31697	S	trap, Fuel tank
277	29212	S	crew, Hex hd. Sems, 1/4-28 x 7/16
331B	31752	D	ecal, Air cleaner