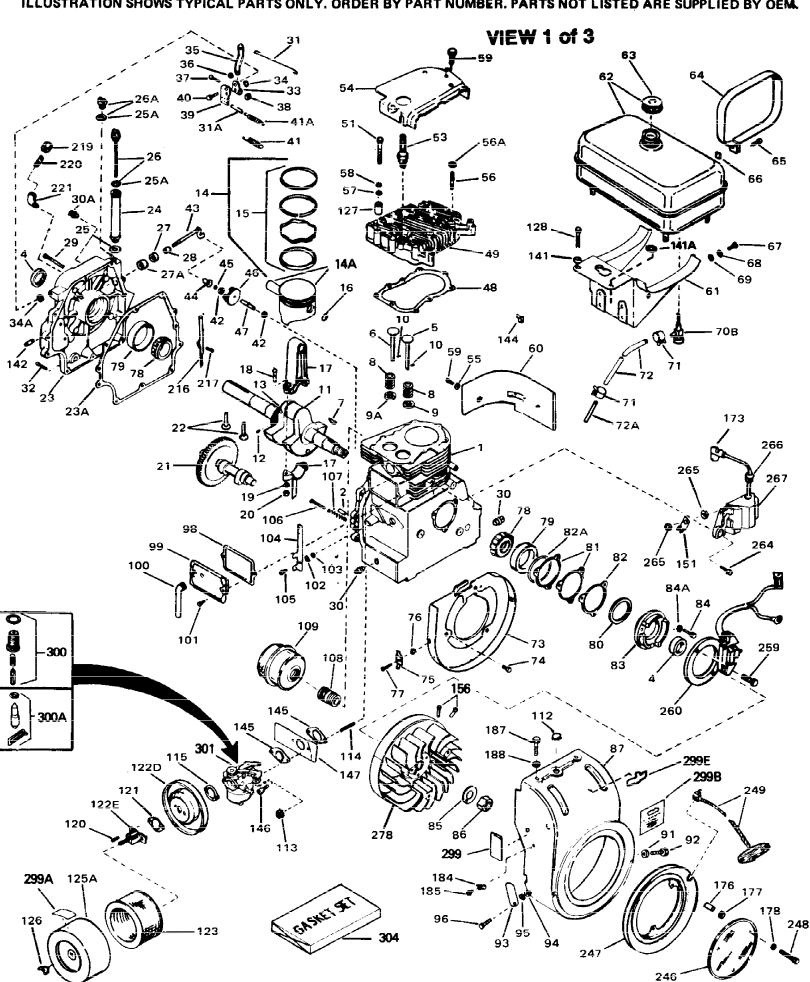
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



Def #	Do at Nivershou	O4	Description
	Part Number	Qty	Description Oddingler (hol 2.4.20.47.440) (2.5/46.11)
1	33039		Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
6	31942		Exhaust Valve (Std.)
6	31943		Exhaust Valve (1/32" OS) (Incl. 9)
7	650592		Key, Flywheel
8	31944		Spring, Valve
9A	31945		Cap, Lower valve spring (Std.)
9A	31946		Cap, Lower valve spring (1/32" OS)
	31946		Cap, Lower valve spring (1/32" OS)
	31945		Cap, Lower valve spring (Std.)
	20810		Pin, Valve spring retainer
	33397A		Crankshaft (Incl. 12, 13, 78 & 79)
	29783		Pin, Crankshaft gear
	31931		Gear, Crankshaft
	32001C		Piston & Pin Ass'y. (Std.)(Incl.16)(3 -5/16")
	32002B		
			Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32003B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32619B		Piston & Pin Ass'y. (.030" OS) (Incl. 16)
	34508		Piston, Pin & Ring Set (Std.) (3-5/16 " Bore)
	34509		Piston, Pin & Ring Set (.010" OS)
	34510		Piston, Pin & Ring Set (.020" OS)
	34850		Piston, Pin & Ring Set (.030" OS)
	34523		Piston, Pin & Ring Set (.040" OS)
14	32620B		Piston & Pin Ass'y. (.040" OS) (Incl. 16)
15	32004		Ring Set (Std.) (3-5/16" Bore)
15	32005		Ring Set (.010" OS)
15	32006		Ring Set (.020" OS)
15	32623		Ring Set (.030" OS)
	32624		Ring Set (.040" OS)
	32321		Re-Ringing Set, Piston
	31919		Ring, Piston pin retaining
	33093A		Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
	34383		Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
	34384		Connecting Rod Assy.(.020" US)(Incl.1 8,19,20)
	32077		Bolt, Connecting rod
	26073		Washer, Connecting rod
	28264		Nut Assy., Lock
	32150		Camshaft (MCR)
	31939		Lifter, Valve
	31956A		* Gasket, Cylinder cover
	32685		Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
25A	29673		* Gasket, Oil fill
26	33069		Dipstick (Incl. 25A)
28	32426		Spacer, Governor rod
29	650588		Screw, 1/4-20 x 2"
	31927		Oil Drain Plug
	31968		Link, Governor
	650451		Screw, 1/4-20 x 1"
	31964		Clamp, Governor lever
	29193		Ring, Retaining
	31963		
			Lever, Governor adjusting
36	650518		Lockwasher

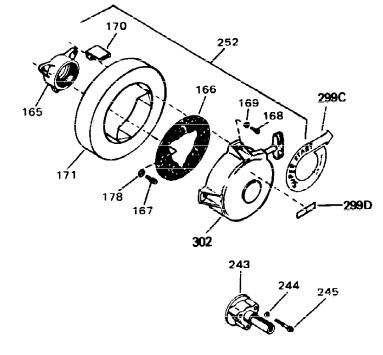
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46 31947 Gear Assy, Gövernor 47 31930 Shaft, Mechanical Governor 48 32000A "Gasket, Cylinder head 49 33034 Head, Cylinder 51 650694A Screw, 5/16-18 x 2" (Use as required) 51 650611 Screw, 5/16-18 x 2-3/8" (Use as required) 51 650628A Screw, 5/16-18 x 2-3/8" (Use as requi red) 51 650628A Screw, 5/16-18 x 2-3/8" (Use as requi red) 51 650628A Screw, 5/16-18 x 2-1/4" (Use as requi red) 51 650695A Screw, 5/16-18 x 2-1/4" (Use as requi red) 51 650697A Screw, 5/16-18 x 2-1/2" (Use as requi red) 51 650692 Screw, 5/16-18 x 2-1/2" (Use as requi red) 51 650603 Screw, 5/16-18 x 5/8" (Use as requi red) 53 33636 Resistor Spark Plug (RJ-8C) 53 34251 Resistor Spark Plug (RJ-8C) 54 33035 Cover, Cylinder head 55 28537 Washer, Flat (Use as required) 56 650691 Washer, Flat (Use as required) 58 8274 Washer, Flat (Use as required) 58 8274 Washer, Fletiville (Use as required) 58 8274 Washer, Eelleville (Use as required) 58 8274 Washer, Eelleville (Use as required) 59 650128 Screw, 10-24 x 1/2" 60 31976 Extension, Blower housing 61 31978 Bracket, Fuel tank 63 410144B Fuel Cap (White Plastic) (Stu.) (As req uired) 64 31979 Strap, Fuel tank 65 650451 Screw, 1/4-20 x 1" 66 650456 Nut, Flange whiz-lock, 1/4-20 67 650517 Screw, 1/4-20 x 1" 68 650661 Screw, 1/4-20 x 1" 69 20883 Strainer & Strew, 1/6-18 x 7/8" (Use as required) 70 30963 Screw, 1/4-20 x 1" 71 26460 Clamp, Fuel line (Use as required) 72 30965 Fuel Line (Braided) (18") (Use as required) 73 32579 Baffle, Blower housing 74 650561 Screw, 1/4-20 x 5/8" 78 31932 Bearing, Tapered roller				• •
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78 31932 Bearing, Tapered roller				•
Cup, Deaning				
	19	01020		oup, bearing

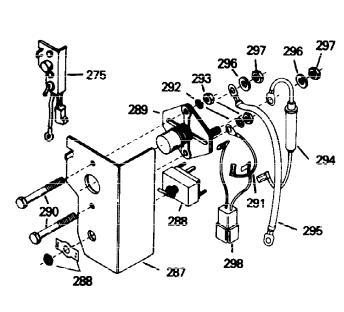
HH100-115245F Engine Parts List #1

	Part Number 32031	Qty	Description Spacer, Steel (.010" thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required
81	31971		* Gasket, Shim (.004/.005 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req
	32599 31972		"O" Ring * Gasket, Shim (.005/.007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req
83	32577		Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required to eliminat
84 85 86 87 91 92 95 96 98 99 100 101 105 108 109 112 115 120 121 125A 126 128 128 128 141	650679 792028 650666 650594 33044A 8274 650595 8274 650595 31958 31957 35350 650128 650597 32042 32043B 33038 27272 650399 30767 32810 650513 650713 650429 792028 26073 8274 33263		Lockwasher, 5/16" (Use as required) Screw, 5/16-18 x 7/8" Washer, Lock Nut, Flywheel, 3/4-16 Blower Hsg. (Incl.73) (For electric s tarter) Washer, Lock Screw, 5/16-24 x 3/8" Washer, Lock Screw, 5/16-24 x 3/8" * Gasket, Breather Breather Assy. Tube, Breather Screw, 10-24 x 1/2" Screw, 10-24 x 5/8" Nipple, Exhaust pipe Muffler Plug, Button (Use as required) * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Cover, Air cleaner Nut, Wing Screw, 5/16-18 x 3/4" (Use as require d) Screw, 5/16-18 x 7/8" (Use as require d) Washer, Flat (Use as required) Lockwasher, Split (Use as required) * Gasket, Carburetor

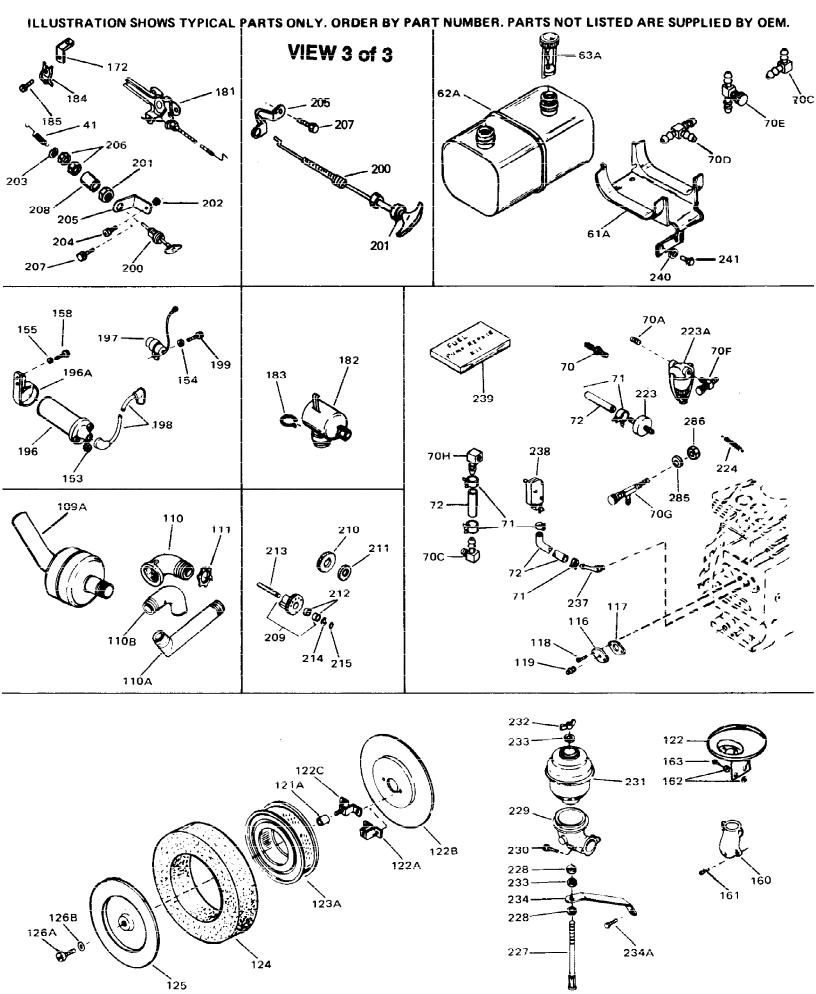
Ref #	Part Number	Qty	Description
146	650451		Screw, 1/4-20 x 1"
147	34061		Baffle, Air
151	610908		Terminal, Female
156	730201		Trigger Pin Kit (Use as required)
173	610118		Cover, Spark plug (Use as required)
176	31992		Spacer, Screen
177	8345		Washer, 1/4 plain (Use as required)
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"
187	650713		Screw, 5/16-18 x 5/8"
188	26073		Washer, Flat
246	33776		Screen, Starter pulley
247	31980		Pulley, Starter
248	650680		Screw, 1/4-20 x 1-1/2"
	32046		Rope Assy., Starter (Use as required)
264	650661		Screw, 1/4-20 x 3/4"
265	610408		Nut, Hex
266	610750		Grommet, Lead wire
267	610906		Solid State Magneto (Incl.151,173,265,266)(20 Amp)
278	610901		Solid State Flywheel
299	34346		Decal, Instruction
	550223		Decal, Name
300A	631021		Inlet Needle, Seat & Clip Assy.
301	631975		Carburetor (Incl. 145) (Refer to Division 5, Section A, page 150 for breakdown)
304	33237A		* Gasket Set (Incl. items marked *)

This illustration may not depict actual equipment and is for reference only! **VIEW 2 of 3** 132 133 175 135 129 262 268 257A 270A 260A 255 235





Ref #	Part Number	Qty	Description
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
180	650701		Screw, 8-18 x 7/16" (Use as required)
222	792028		Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781		Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	34276		Plate, Cover (Use as required to cover regulator
			mounting hole in blower housing)
236	650736		Screw, 10-16 x 3/8" (Use as required)
	730134		Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 &
202	100101		291) (Use as required)
	33018		Harness Assy., Adapter (Use as requir ed)
	610902		Alternator Coil (20 Amp)(Incl.256,257,258)
	650521		Screw, 10-32 x 1-1/8"
	610905		Terminal
	610904		Terminal
	610824		Flat Connector (Female terminals) (As req.)
	610903		Connector, Flat
	610750		Grommet, Lead wire
	610996		Regulator (20 Amp) (Incl. 270 thru 27 4)
	30063		Screw, 1/4-20 x 1/2"
	610990		Connector, Male
	610921		Connector
	610992		Terminal, Female
	610989		Terminal, Female
	610992		Terminal, Female
	610991		Terminal, Female
	730198		Starter Switch Kit(Incl. 287-298) (As req.)
	34614		Bracket, Starter button
	34615		Switch, Toggle
	34616		Switch, Starter
	792026		Screw, 1/4-20 x 7/8"
	34619		Wire Assy., Ground
	27513 650864		Lockwasher, Split Nut, Hex
	34620		Wire & Fuse Assy.
	34618		Wire Assy., Starter
	8274		Lockwasher, Split
	650586		Nut, Jam
	34617		Cord Assy., Adapter
	33835		Electric Starter Motor (12 Volt) NOTE: The 32817
000			and 33835 starter motors are used interchangeably
			on the se models. Refer to service numberstamped
			on end cap of motor, or on decal for identification.
			Refer to Division 5, Section D for breakdown.
			,



Ref #	Part Number	Qty	Description
41	31967		Spring, Governor
62A	31977		Fuel Tank (Incl. 63)
71	26460		Clamp, Fuel line (Use as required)
72	30962		Fuel Line (Braided) (32") (Use as req uired)
72	30965		Fuel Line (Braided) (48") (Use as req uired)
72	29774		Fuel Line (Braided) (8.25") (Use as r equired)
72	30705		Fuel Line (Braided) (16") (Use as req uired)
119	28534		Pipe Plug, 1/8-27 (Use as required)
119	9556		Plug, Pipe, 1/8-27 (Use as required)
122C	32907B		Bracket, Air cleaner
122B	34065		Bracket, Air cleaner
123A	32008		Element, Air cleaner
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"
200	32421		Control Assy., Speed (Incl. 206)
201	650641		Nut, Jam
205	33597		Bracket, Speed control
206	650456		Nut, Flanged whiz-lock
207	650561		Screw, 1/4-20 x 5/8"