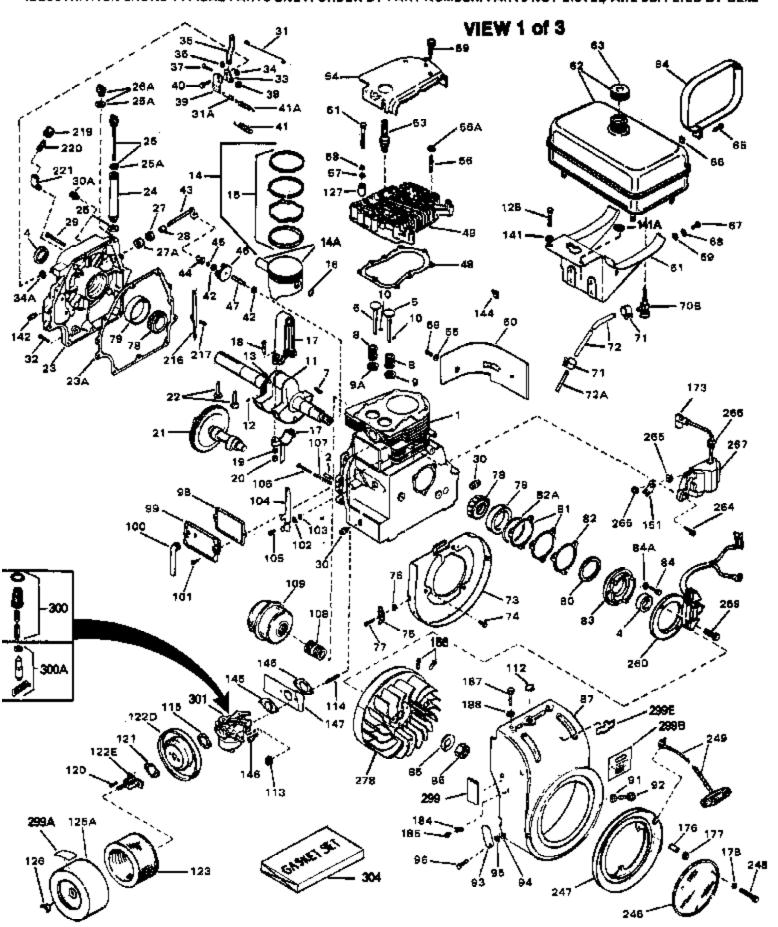
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

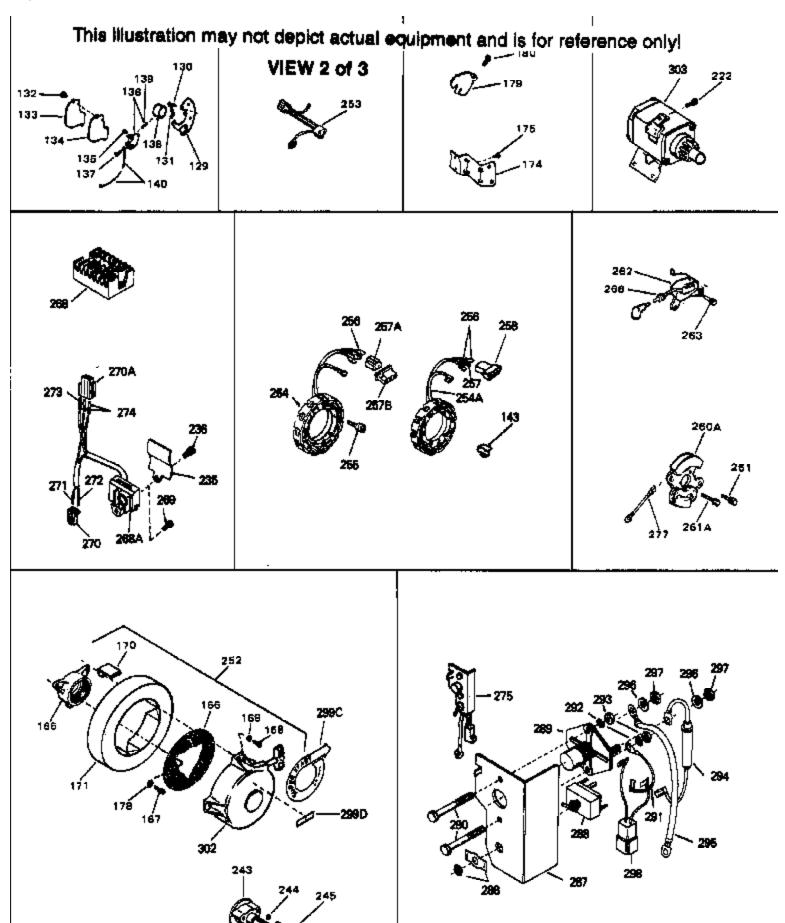


1 30943 2 27662 2 17672 2 27662 2 1767	Ref #	Part Number C	Oty Description
2 27652 4 31950 5 31940 1 5 31940 1 6 31942 6 31942 6 31943 7 660592 8 31944 9 31946 9 31946 Cap. Lower valve pring (1/32" OS) (ncl. 9) 8 31945 Qap. Lower valve spring (1/32" OS) 9 31946 Cap. Lower valve spring (1/32" OS) 10 20810 11 33393A Crankshaft gear 12 29783 Pin. Crankshaft gear 13 31931 Gear, Crankshaft gear 14 34511 Piston, Pin & Ring Set (0/10" OS) 14 34525 Piston, Pin & Ring Set (1/0" OS) 14 34525 Piston, Pin & Ring Set (1/0" OS) 14 34525 Piston, Pin & Ring Set (1/0" OS) 14 32298B Piston, Pin & Ring Set (1/0" OS) 14 32298B Piston, Pin & Ring Set (1/0" OS) 14 32218 Piston, Pin & Ring Set (1/0" OS) 14 32228B Piston, Pin & Ring Set (1/0" OS) 14 32238B Piston, Pin & Ring Set (1/0" OS) 14 34526 Piston, Pin & Ring Set (1/0" OS) 14 34527 Piston, Pin & Ring Set (1/0" OS) 14 34528 Piston, Pin & Ring Set (1/0" OS) 14 34529 Piston, Pin & Ring Set (1/0" OS) 14 34526 Piston, Pin & Ring Set (1/0" OS) 14 34527 Piston, Pin & Ring Set (1/0" OS) 14 34528 Piston, Pin & Ring Set (1/0" OS) 14 34529 Piston, Pin & Ring Set (1/0" OS) 14 34529 Piston, Pin & Ring Set (1/0" OS) 14 34525 Piston, Pin & Ring Set (1/0" OS) 14 34526 Piston, Pin & Ring Set (1/0" OS) 14 34527 Piston & Pin Assay, (1/0" OS) (incl. 16) 14 32241 Piston & Pin Assay, (1/0" OS) (incl. 16) 15 32241 Piston & Pin Assay, (1/0" OS) (incl. 16) 16 32241 Piston & Pin Assay, (1/0" OS) Pist			,
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14 34511 Piston, Pin & Ring Set (Std.) (3-1/2" Bore) 14 34512 Piston, Pin & Ring Set (0.010" OS) 14 34513 Piston, Pin & Ring Set (0.020" OS) 14 34524 Piston, Pin & Ring Set (0.020" OS) 14 34525 Piston, Pin & Ring Set (0.030" OS) 14 34525 Piston, Pin & Ring Set (0.040" OS) 14A 32238B Piston & Pin & Ring Set (0.040" OS) 14A 32239B Piston & Pin Assy. (5td.)(Incl. 16)(3-1/2") 14A 32229B Piston & Pin Assy. (0.010" OS) (Incl. 16) 14A 32621B Piston & Pin Assy. (0.020" OS) (Incl. 16) 14A 32621B Piston & Pin Assy. (0.020" OS) (Incl. 16) 14A 32622B Piston & Pin Assy. (0.00" OS) (Incl. 16) 15 32241 Ring Set (Std.) (3-1/2" Bore) 15 32242 Ring Set (0.01" OS) 15 32626 Ring Set (0.00" OS) 15 32626 Ring Set (0.00" OS) 16 31919 Ring Set (0.00" OS) 17 34383 Re-Ringing Set, Piston 18 32077 Ring Piston Pin retaining 17 33093A Connecting Rod Assy.(Std.)(Incl.18, 19, 20) 18 32077 Bolt (Oonecting Rod Assy.(C00" US)(Incl. 1, 8, 19, 20) 18 32077 Bolt (Oonecting Rod Assy.(C00" US)(Incl. 1, 8, 19, 20) 18 32077 Bolt (Connecting Rod Assy.(C00" US)(Incl. 1, 8, 19, 20) 20 28264 Nut Assy., Lock 21 32150 Connecting rod 23 25580A Cornecting rod 24 33893A Oil Fill Tube 26 339944 Dipstok (Incl. 25A) 28 33994 Dipstok (Incl. 25A) 29 31998 Linke, Governor rod 30 31927 Oil Drain Plug Link, Governor 31 31998 Link, Governor rod 52 60054 Serew, 14-20 x 2" 51993 Lever, Governor adjusting 53 31963 Lever, Governor adjusting 54 Lockwasher 55 Lockwasher 56 Lockwasher 57 650544 Serew, 14-20 x 7"			
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14A 32238B			Piston, Pin & Ring Set (.030" OS)
Piston & Pin Assý. (010° OS) (Incl. 16)	14	34525	Piston, Pin & Ring Set (.040" OS)
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14A 32621B 14A 32621B 14A 32621B 15 32241 15 32242 16 Ring Set (Std) (3-1/2" Bore) 15 32242 17 Ring Set (.020" OS) 18 32243 18 Ring Set (.020" OS) 18 32625 18 Ring Set (.020" OS) 18 32626 18 Ring Set (.020" OS) 18 32336 18 Re-Ringing Set, Piston 18 31919 17 33093A 17 34383 18 Connecting Rod Assy.(.010" US)(Incl. 1 8, 19, 20) 17 34383 18 2077 19 26073 19 26073 20 28264 21 32150 22 31939 23A 31956A 23 32580A 24 3383A 25 Connecting Rod Assy.(.020" US)(Incl. 1 8, 19, 20) 26 33984A 27 Connecting Rod Assy.(.020" US)(Incl. 1 8, 19, 20) 28 32426 29 33984A 20 If If I tube 20 Cover, Cylinder cover 20 33984A 21 31968 22 31939 23 31968 24 Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) 25 A 33590 26 33984A 27 Dipstick (Incl. 25A) 28 32426 29 650588 30 31927 31 31968 31 31968 32 650451 33 31963 36 650518 37 650544 5crew, 10-24 x 7/8"	14A	32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A 32622B 15 32241 Ring Set (Std.) (3-1/2" Bore) 15 32242 Ring Set (O30" OS) 15 32243 Ring Set (.020" OS) 15 32625 Ring Set (.030" OS) 15 32626 Ring Set (.030" OS) 15 32336 Re-Ringing Set, Piston Ring, Piston pin retaining 17 33093A Connecting Rod Assy. (Std.) (Incl. 18, 19 & 20) Connecting Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Connecting Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Ret Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Re-Ringing Ret Ringing Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod Rod Rod Assy. (O20" US) (Incl. 1 8, 19, 20) Ring Rod	14A	32240B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
15 32241 Ring Set (Std.) (3-1/2" Bore) 15 32242 Ring Set (L010" OS) 15 32625 Ring Set (L020" OS) 15 32626 Ring Set (L030" OS) 16 32336 Re-Ringing Set, Piston 17 33093A Re-Ringing Set, Piston pin retaining 18 32077 Roll, Connecting Rod Assy. (Std.) (Incl. 18, 19 & 20) 19 26073 Washer, Connecting rod Assy. (L010" US) (Incl. 1 8, 19,20) 20 28264 Washer, Connecting rod 20 28264 Nutr Assy. Lock 21 32150 Camshaft (MCR) 22 31939 Lifter, Valve 23 32580A Cover, Cylinder cover 23 32580A Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) 24 33893A OII Fill Tube 26 33984A Dipstick (Incl. 25A) 27 Spacer, Governor rod 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain Plug 31 31968 Link, Governor 32 31963 Lever, Governor adjusting 35 31963 Lever, Governor adjusting 36 650514 Screw, 1/4-20 x 7"	14A	32621B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
15 32242 Ring Set (.010" OS) 15 32243 Ring Set (.020" OS) 15 32625 Ring Set (.030" OS) 15 32626 Ring Set (.040" OS) 15 32336 Re-Ringing Set, Piston 16 31919 Ring, Piston pin retaining 17 33093A Connecting Rod Assy.(Std.)(Incl.18, 19 & 20) 17 34383 Connecting Rod Assy.(.010" US)(Incl.1 8,19,20) 18 32077 Bollt, Connecting Rod Assy.(.020" US)(Incl.1 8,19,20) 19 26073 Washer, Connecting rod 19 26073 Washer, Connecting rod 20 28264 Nut Assy., Lock 21 32150 Camshaft (MCR) 22 31939 Lifter, Valve 23A 31956A * Gasket, Cylinder cover 23 32580A Ciffer, Valve 24 33893A Oil Fill Tube 26 33984A Dipstick (Incl. 25A) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain Plug 1ink, Governor 32 1963 Link, Governor 33 1964 Clamp, Governor lever 34 29193 Ring, Retaining 16 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"	14A	32622B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
15 32242 Ring Set (0.00" OS) 15 32625 Ring Set (0.00" OS) 15 32626 Ring Set (0.40" OS) 15 32236 Re-Ringing Set, Piston 16 31919 Ring, Piston pin retaining 17 33093A Connecting Rod Assy,(Std.)(Incl.18, 19 & 20) 17 34383 Connecting Rod Assy,(.010" US)(Incl.1 8,19,20) 17 34384 Connecting Rod Assy,(.010" US)(Incl.1 8,19,20) 18 32077 Bolt, Connecting rod 19 26073 Washer, Connecting rod 20 28264 Nut Assy., Lock 21 32150 Camshaft (MCR) 22 31939 Lifter, Valve 23 32580A Cover, Cylinder cover 23 32580A Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) 24 33893A Oil Fill Tube 26 33984A Dipstick (Incl. 25A) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain Plug 31 31964 Clamp, Governor	15	32241	Ring Set (Std.) (3-1/2" Bore)
15 32625 Ring Set (.030" OS) 15 32626 Ring Set (.040" OS) 15 32336 Re-Ringing Set, Piston 16 31919 Ring, Piston pin retaining 17 33093A Connecting Rod Assy.(.010" US)(Incl.1 8, 19, 20) 17 34383 Connecting Rod Assy.(.020" US)(Incl.1 8, 19, 20) 18 32077 Bolt, Connecting Rod Assy.(.020" US)(Incl.1 8, 19, 20) 18 32077 Bolt, Connecting rod 19 26073 Washer, Connecting rod 19 26073 Washer, Connecting rod Nut Assy., Lock Carnshaft (MCR) 21 32150 Carnshaft (MCR) 22 31939 Lifter, Valve 23 32580A Cover, Cylinder cover 23 32580A Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) 24 33893A Oil Fill Tube 25A 33590 "O" Ring 26 33984A Dipstick (Incl. 25A) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain P	15	32242	
15 32625 Ring Set (.030" OS) 15 32626 Ring Set (.040" OS) 15 32336 Re-Ringing Set, Piston 16 31919 Ring, Piston pin retaining 17 33093A Connecting Rod Assy.(.010" US)(Incl.1 8, 19, 20) 17 34383 Connecting Rod Assy.(.020" US)(Incl.1 8, 19, 20) 18 32077 Bolt, Connecting Rod Assy.(.020" US)(Incl.1 8, 19, 20) 18 32077 Bolt, Connecting rod 19 26073 Washer, Connecting rod 19 26073 Washer, Connecting rod Nut Assy., Lock Carnshaft (MCR) 21 32150 Carnshaft (MCR) 22 31939 Lifter, Valve 23 32580A Cover, Cylinder cover 23 32580A Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) 24 33893A Oil Fill Tube 25A 33590 "O" Ring 26 33984A Dipstick (Incl. 25A) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain P			· · · · · · · · · · · · · · · · · · ·
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34 29193 Ring, Retaining 35 31963 Lever, Governor adjusting 36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"			
35 31963 Lever, Governor adjusting 36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"			
36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"			· ·
37 650544 Screw, 10-24 x 7/8"			
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38 7975 Nut, 10-24			
	38	1910	Nul, 10-24

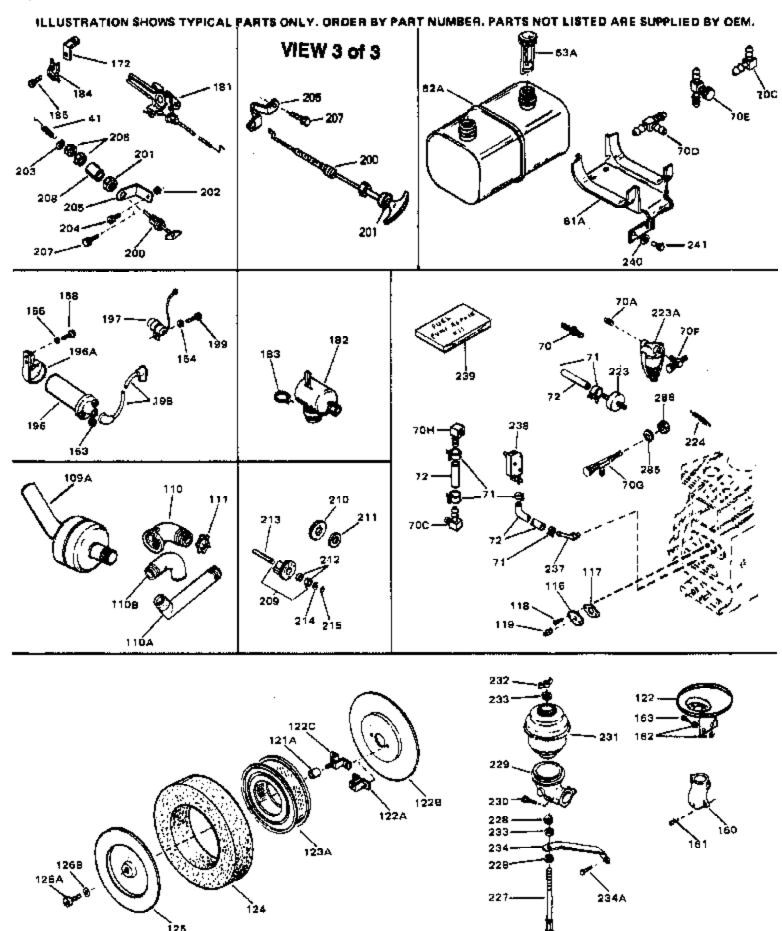
Pof #	Part Number Qty	Description
	31965	Plate, Governor spring
	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	30590A	
		Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
	29193	Ring, Retaining
	31947	Gear Assy., Governor
	31930	Shaft, Mechanical Governor
	32246A	* Gasket, Cylinder head
	33034	Head, Cylinder
	650694A	Screw, 5/16-18 x 2" (Use as required)
	650711	Screw, 5/16-18 x 1-5/8" (Use as requi red)
	650628A	Screw, 5/16-18 x 2-3/8" (Use as requi red)
51	650695A	Screw, 5/16-18 x 2-1/4" (Use as requi red)
51	650714	Screw, 5/16-18 x 1-5/8" (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 1-3/4" (Use as requi red)
51	650603	Screw, 5/16-18 x 5/8" (Use as require d)
	33636	Resistor Spark Plug (RJ-8C)
	34251	Resistor Spark Plug (RJ-17LM)
	33035	Cover, Cylinder head
	28537	Washer, Plain
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	8274	Washer, Lock (Use as required)
	650128	Screw, 10-24 x 1/2"
	31976	Extension, Blower housing
	33052	Bracket, Fuel tank
		•
	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
63	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
67	650517	Screw, 1/4-20 x 27/32" (Use as requir ed)
67	650561	Screw, 1/4-20 x 5/8" (Use as required)
67	30063	Screw, 1/4-20 x 1/2" (Use as required)
	792028	Screw, 5/16-18 x 7/8" (Use as require d)
	26073	Washer, Flat
	26460	Clamp, Fuel line (Use as required)
	29774	Fuel Line (Braided) (8.25") (Use as r equired)
	30705	Fuel Line (Braided) (16") (Use as req uired)
	30962	Fuel Line (Braided) (32") (Use as req uired)
	30965	Fuel Line (Braided) (48") (Use as req uired)
	31975	Baffle, Blower housing
	650561	
		Screw, 1/4-20 x 5/8"
	33356	Terminal Plactic
	28545	Grommet, Plastic
	650760	Screw, 8-32 x 3/8"
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
80	32031	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

Ref #	Part Number	Otv	Description
	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
82	31972		* 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
	32599 32577		"O" Ring 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
	650679		Lockwasher, 5/16" (Use as required)
	792028		Screw, 5/16-18 x 7/8"
	650666 650594		Washer, Lock Nut, Flywheel, 3/4-16
	33037		Blower Housing
	8274		Washer, Lock
	650595		Screw, 5/16-24 x 3/8"
	32039		Switch, Stop
	650890		Washer, Shakeproof
	26073 650624		Washer, Flat Screw, 5/16-24 x 9/16"
	31958		* Gasket, Breather
	31957		Breather Assy.
	35350		Tube, Breather
101	650128		Screw, 10-24 x 1/2"
	28558		Washer, Wave
	31966		Bushing, Control lever
	31984A 650597		Lever, Control Screw, 10-24 x 5/8"
	650591		Screw, 10-24 x 2"
	33099		Spring
	32808		Nipple, Exhaust pipe
	33038		Plug, Button (Use as required)
	27272		* Gasket, Air cleaner
	650399 30767		Screw, 10-32 x 5/8" Spacer, Air cleaner
	32810		Cover, Air cleaner
	650513		Nut, Wing
	650713		Screw, 5/16-18 x 5/8" (Use as require d)
128	650429		Screw, 5/16-18 x 3/4" (Use as require d)
	792028		Screw, 5/16-18 x 7/8" (Use as require d)
141A			Lockwasher, Split (Use as required)
	26073 33263		Washer, Flat (Use as required) * Gasket, Carburetor
	650451		Screw, 1/4-20 x 1"
	34061		Baffle, Air
	610908		Terminal, Female

	Part Number	Qty	Description
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
	650680		Screw, 1/4-20 x 1-1/2"
	32046		Rope Assy., Starter (Use as required)
	650399		Screw, 10-32 x 5/8"
	610965		Solid State Stator Plate Ass'y.
	650661		Screw, 1/4-20 x 3/4"
	610408		Nut, Hex
	610750		Grommet, Lead wire
	610906		Solid State Magneto (Incl.151,173,265,266)(20 Amp)
	611000		Flywheel
	31752		Decal, Air cleaner
	34346		Decal, Instruction
	550223		Decal, Name
	32676		Decal, Solid State
	631725		Inlet Needle, Seat & Clip Assy.
301	631969		Carburetor (Incl. 145) (Refer to Division 5, Section A, page 150 for breakdown)
304	33237A		* Gasket Set (Incl. items marked *)



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)
252	730134	Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use as required)
253	33018	Harness Assy., Adapter (Use as requir ed)
257B	610824	Flat Connector (Female terminals) (As req.)
266	610750	Grommet, Lead wire
275	730198	Starter Switch Kit(Incl. 287-298) (As req.)



Ref #	Part Number (Qty [Description
41	31967	5	Spring, Governor
71	26460	(Clamp, Fuel line (Use as required)
72	29774	F	Fuel Line (Braided) (8.25") (Use as r equired)
72	30705	F	Fuel Line (Braided) (16") (Use as req uired)
72	30962	F	Fuel Line (Braided) (32") (Use as req uired)
72	30965	F	Fuel Line (Braided) (48") (Use as req uired)
111	650590	1	Nut, Conduit
119	28534	F	Pipe Plug, 1/8-27 (Use as required)
119	9556	F	Plug, Pipe, 1/8-27 (Use as required)
122B	34065	E	Bracket, Air cleaner
122C	32907B	E	Bracket, Air cleaner
123A	32008	E	Element, Air cleaner
184	27793	(Clip, Conduit
185	28942	5	Screw, 10-32 x 3/8"
237	32958	F	Fitting, Fuel
238	32959	F	Fuel Pump, Impulse
239	33010	F	Repair Kit, Impulse fuel pump