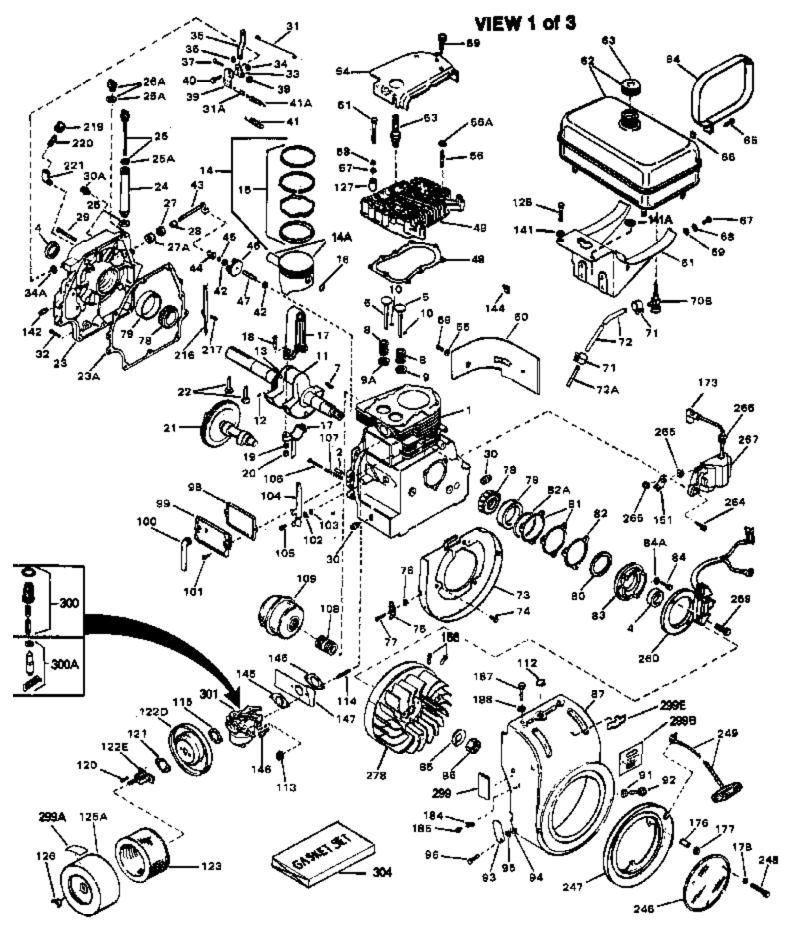
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

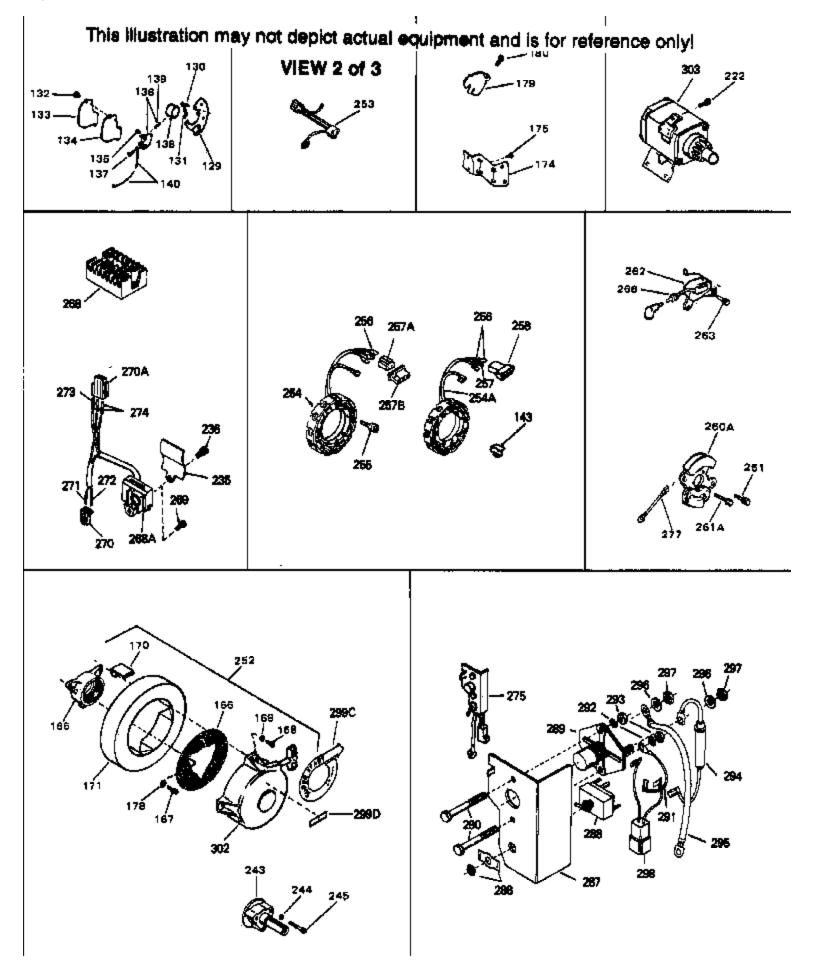


| Ref # | Part Number | Qty Description |
|-------|-----------------|--|
| 1 | 000.10 | Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore) |
| | 27652 | Pin, Dowel |
| | 31950 | Seal, Oil |
| | 31940 | Intake Valve (Std.) |
| | 31941 | Intake Valve (1/32" OS) (Incl. 9) |
| | 31942 | Exhaust Valve (Std.) |
| | 31943 | Exhaust Valve (31.32" OS) (Incl. 9) |
| | 650592 | Key, Flywheel |
| | 31944 | |
| | | Spring, Valve |
| | 31945 | Cap, Lower valve spring (Std.) |
| | 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 |
| | 32357B | Crankshaft (Incl. 12, 13, 17, 78 & 79) |
| | 29783 | Pin, Crankshaft gear |
| | 31931 | Gear, Crankshaft |
| | 34511 | Piston, Pin & Ring Set (Std.) (3-1/2" Bore) |
| | 34512 | Piston, Pin & Ring Set (.010" OS) |
| | 34513 | Piston, Pin & Ring Set (.020" OS) |
| | 34524 | Piston, Pin & Ring Set (.030" OS) |
| | 34525 | Piston, Pin & Ring Set (.040" OS) |
| 14A | 32238B | Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2") |
| 14A | 32239B | Piston & Pin Ass'y. (.010" OS) (Incl. 16) |
| 14A | 32240B | Piston & Pin Ass'y. (.020" OS) (Incl. 16) |
| 14A | 32621B | Piston & Pin Ass'y. (.030" OS) (Incl. 16) |
| 14A | 32622B | Piston & Pin Ass'y. (.040" OS) (Incl. 16) |
| 15 | 32241 | Ring Set (Std.) (3-1/2" Bore) |
| 15 | 32242 | Ring Set (.010" OS) |
| 15 | 32243 | Ring Set (.020" OS) |
| | 32625 | Ring Set (.030" OS) |
| | 32626 | Ring Set (.040" OS) |
| | 32336 | 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 |
| | 32685 | Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43) |
| | 31956A | * Gasket, Cylinder cover |
| | 29673 | * Gasket, Oil fill |
| | 33069 | Dipstick (Incl. 25A) |
| | 32426 | Spacer, Governor rod |
| | 650588 | Spacel, Governor Tod Screw, 1/4-20 x 2" |
| | 31927 | |
| | | Oil Drain Plug |
| | 31968 650451 | Link, Governor Scrow 1/4-20 x 1" |
| | 650451 21064 | Screw, 1/4-20 x 1" |
| | 31964 | Clamp, Governor lever |
| | 29193 | Ring, Retaining |
| | 31963 | Lever, Governor adjusting |
| | 650518 | Lockwasher |
| | 650544 | Screw, 10-24 x 7/8" |
| | 7975 | Nut, 10-24 |
| 39 | 31965 | Plate, Governor spring |
| | | |

| | | Qty | Description |
|----|----------------|-----|--|
| 40 | 30312 | | Screw, 10-32 x 1/2" |
| 41 | 31967 | | Spring, Governor |
| 42 | 30590A | | Washer, Flat |
| 43 | 32425 | | Rod Assy., Governor |
| 44 | 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 required) |
| | 650628A | | Screw, 5/16-18 x 2-3/8" (Use as required) |
| | 650695A | | Screw, 5/16-18 x 2-1/4" (Use as required) |
| | 650714 | | |
| | 650697A | | Screw, 5/16-18 x 1-5/8" (Use as required) |
| | | | Screw, 5/16-18 x 2-1/2" (Use as required) |
| | 650692 | | Screw, $5/16-18 \times 1-3/4$ " (Use as required) |
| | 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 |
| | 31978 | | Bracket, Fuel tank |
| 63 | 410144B | | Fuel Cap (White Plastic)(Std.)(As req uired) |
| 63 | 34210 | | Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as |
| | | | required) |
| 64 | 31979 | | Strap, Fuel tank |
| | 650451 | | Screw, 1/4-20 x 1" |
| | 650456 | | Nut, Flange whiz-lock, 1/4-20 |
| | 650517 | | Screw, 1/4-20 x 27/32" (Use as required) |
| | 650561 | | Screw, $1/4-20 \times 5/8"$ (Use as required) |
| | 30063 | | Screw, $1/4-20 \times 1/2$ " (Use as required) |
| | 792028 | | Screw, $5/16-18 \times 7/8$ " (Use as required) |
| | 8345 | | Washer, Flat |
| | 8303 | | Lockwasher |
| | 29683 | | Strainer & Shut-off, Fuel |
| | 29083 26460 | | Clamp, Fuel line (Use as required) |
| | 29774 | | |
| | | | Fuel Line (Braided) (8.25") (Use as required) |
| | 30705 | | Fuel Line (Braided) (16") (Use as req uired) |
| | 30962 | | Fuel Line (Braided) (32") (Use as required) |
| | 30965 | | Fuel Line (Braided) (48") (Use as req uired) |
| | 31975 | | Baffle, Blower housing |
| | 650561 | | Screw, 1/4-20 x 5/8" |
| | 33356 | | Terminal |
| | 28545 | | Grommet, Plastic |
| | 650760 | | Screw, 8-32 x 3/8" |
| | 31932 | | Bearing, Tapered roller |
| 79 | 31928 | | Cup, Bearing |
| | | | |

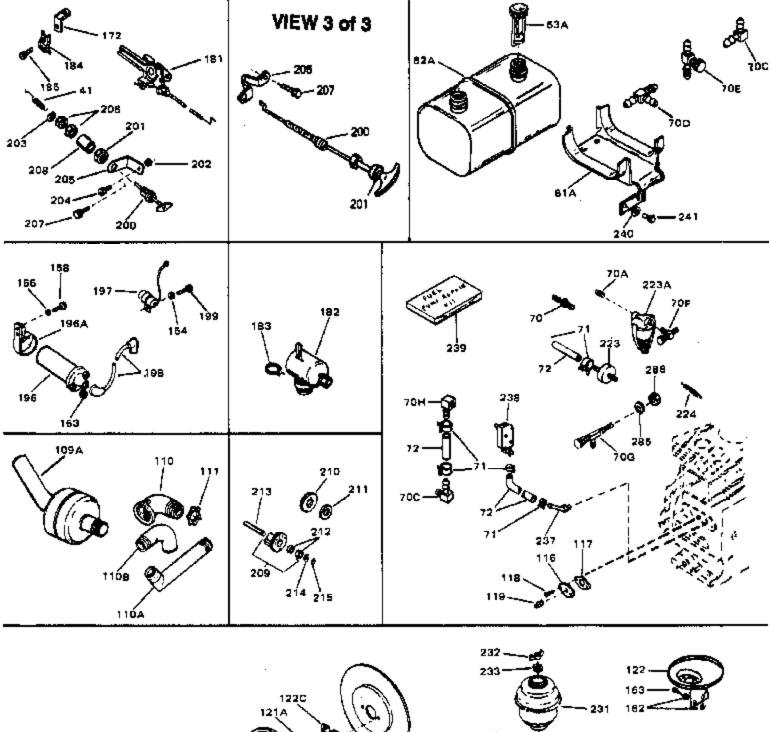
| 32031 | Spacer, Steel (.010" thick) NOTE: Determine the gap |
|--|--|
| | between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required |
| 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 |
| 32677 | 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 |
| S50668 S50594 S3037 S274 S50595 S2039 S50890 26073 S50624 S1958 S1958 S3050 S50624 S1957 S5350 S50128 28558 S1966 S1984A S50597 S50591 S3038 29752 S50587 27272 S50399 S0767 S2378 S2376 | Lockwasher, 5/16" (Use as required) Screw, 10-32 x 1" Washer, Lock Nut, Flywheel, 3/4-16 Blower Housing Washer, Lock Screw, 5/16-24 x 3/8" Switch, Stop Washer, Shakeproof Washer, Flat Screw, 5/16-24 x 9/16" * Gasket, Breather Breather Assy. Tube, Breather Breather Assy. Tube, Breather Screw, 10-24 x 1/2" Washer, Wave Bushing, Control lever Lever, Control Screw, 10-24 x 5/8" Screw, 10-24 x 2" Spring Plug, Button (Use as required) Nut & Lockwasher Assy. Stud, Carburetor * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Bracket, Air cleaner Bracket, Air cleaner |
| | 32599 31972 32677 350679 350668 350666 350594 3037 3274 350595 32039 350890 26073 350624 31958 31957 35350 350128 28558 31966 31984A 31957 35350 350128 28558 31966 31984A 31957 35350 350128 28558 31966 31984A 350597 350591 33039 33038 29752 350591 33099 33038 |

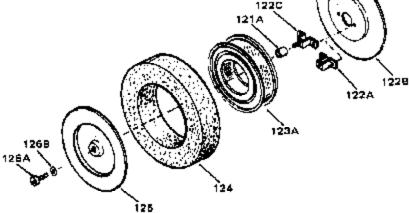
| Ref # | Part Number Qty | Description |
|-------|-----------------|--|
| 128 | 650713 | Screw, 5/16-18 x 5/8" (Use as require d) |
| 128 | 650429 | Screw, 5/16-18 x 3/4" (Use as require d) |
| 128 | 792028 | Screw, 5/16-18 x 7/8" (Use as require d) |
| 141A | 8274 | Lockwasher, Split (Use as required) |
| 141 | 26073 | Washer, Flat (Use as required) |
| 145 | 31960 | * Gasket, Carburetor |
| 147 | 31959 | Baffle, Air |
| 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) |
| | 650713 | Screw, 5/16-18 x 5/8" |
| | 26073 | Washer, Flat |
| | 33776 | Screen, Starter pulley |
| | 31980 | Pulley, Starter |
| 248 | 650680 | Screw, 1/4-20 x 1-1/2" |
| | 32046 | Rope Assy., Starter (Use as required) |
| | 610750 | Grommet, Lead wire |
| | 610758 | Flywheel |
| | 32676 | Decal, Solid State |
| | 31752 | Decal, Air cleaner |
| 299 | 34346 | Decal, Instruction |
| | 32255A | Valve, Seat, Spring & Gasket Assy. |
| 301 | 631533 | Carburetor (Incl. 145) (Refer to Division 5, Section A, page 94 for breakdown) |
| 304 | 33237A | * Gasket Set (Incl. items marked *) |

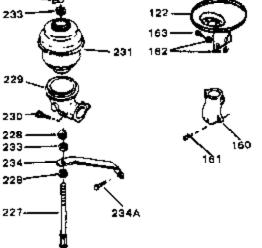


| Ref # | Part Number Qty | Description |
|-------|-----------------|---|
| 178 | 27070 | Washer, Lock 1/4 E.T. (Use as require d) |
| 178 | 650675 | Washer, Flat 1/4 (Use as required) |
| 180 | 650701 | Screw, 8-18 x 7/16" (Use as required) |
| 222 | 792028 | Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor) |
| 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.) |
| 260A | 610759 | Solid State Magneto |
| 261 | 650489 | Screw, 1/4-20 x 5/8" |
| 261A | 650669 | Screw, 5/16-18 x 1-1/4" |
| 262 | 610760 | Solid State Transformer Ass'y.(Incl.1 73,266) |
| 263 | 650561 | Screw, 1/4-20 x 5/8" |
| 266 | 610750 | Grommet, Lead wire |
| 275 | 730198 | Starter Switch Kit(Incl. 287-298) (As req.) |
| 277 | 30831 | Ground Wire (Incl. 75) |
| 299D | 32187 | Decal, "Super Start" |

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| Ref # | Part Number Qty | Description |
|-------|-----------------|--|
| 41 | 31967 | Spring, Governor |
| 62A | 31977 | Fuel Tank (Incl. 63) |
| 70 | 29634 | Fitting, Fuel line |
| 71 | 26460 | Clamp, Fuel line (Use as required) |
| 72 | 29774 | Fuel Line (Braided) (8.25") (Use as r equired) |
| 72 | 30705 | Fuel Line (Braided) (16") (Use as req uired) |
| 72 | 30962 | Fuel Line (Braided) (32") (Use as req uired) |
| 72 | 30965 | Fuel Line (Braided) (48") (Use as req uired) |
| 111 | 650590 | Nut, Conduit |
| 119 | 28534 | Pipe Plug, 1/8-27 (Use as required) |
| 119 | 9556 | Plug, Pipe, 1/8-27 (Use as required) |
| 123A | 32008 | Element, Air cleaner |