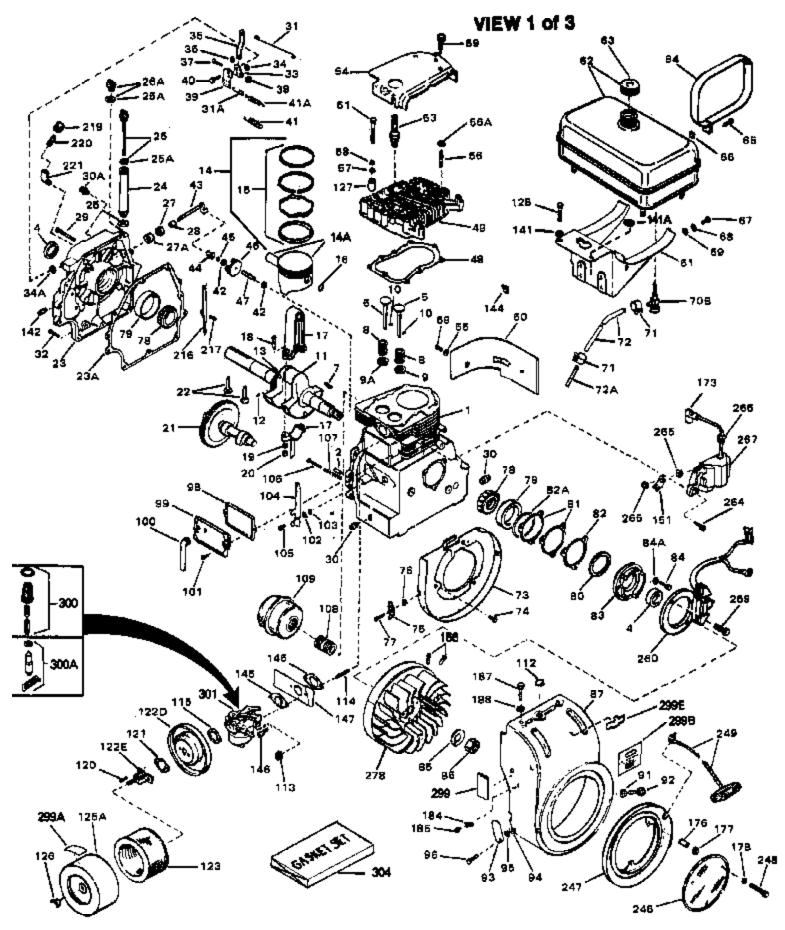
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

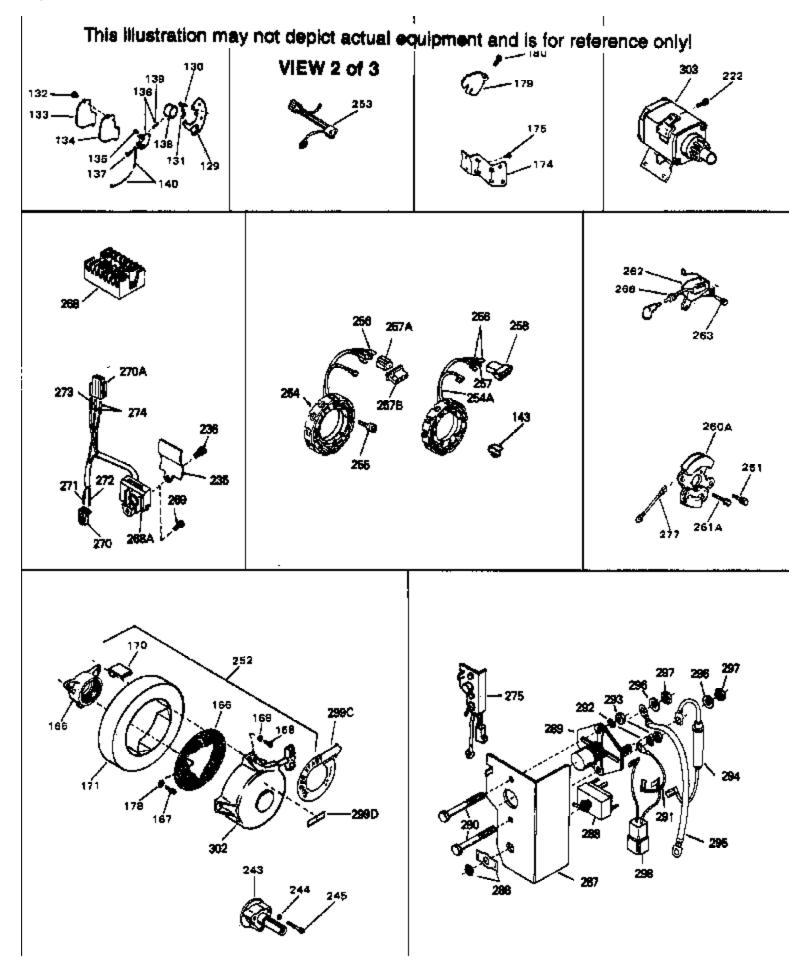


| Ref # | Part Number C | ty Description |
|-------|-----------------|--|
| | 33042 | Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore) |
| 2 | 27652 | Pin, Dowel |
| 4 | 31950 | Seal, Oil |
| 5 | 31940 | Intake Valve (Std.) |
| 5 | 31941 | Intake Valve (1/32" OS) (Incl. 9) |
| 6 | 31942 | Exhaust Valve (Std.) |
| 6 | 31943 | Exhaust Valve (1/32" OS) (Incl. 9) |
| 7 | 650592 | Key, Flywheel |
| 8 | 31944 | Spring, Valve |
| 9 | 31946 | Cap, Lower valve spring (1/32" OS) |
| | 31945 | Cap, Lower valve spring (Std.) |
| | 31945 | Cap, Lower valve spring (Std.) |
| | 31946 | Cap, Lower valve spring (1/32" OS) |
| | 20810 | Pin, Valve spring retainer |
| | 32293C | 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) |
| | 32238B | Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2") |
| | 32239B | Piston & Pin Ass'y. (.010" OS) (Incl. 16) |
| | 32240B | Piston & Pin Ass'y. (.020" OS) (Incl. 16) |
| | 32621B | Piston & Pin Ass'y. (.030" OS) (Incl. 16) |
| | 32622B 32241 | Piston & Pin Ass'y. (.040" OS) (Incl. 16) Ping Set (Std.) (2.1/2" Pore) |
| | 32242 | Ring Set (Std.) (3-1/2" Bore) Ring Set (.010" OS) |
| | 32242 | 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 |
| | 32580A | Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) |
| | 31956A | * Gasket, Cylinder cover |
| 25A | 29673 | * Gasket, Oil fill |
| 26 | 33069 | Dipstick (Incl. 25A) |
| | 32426 | Spacer, Governor rod |
| | 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 |
| | 650518 | Lockwasher |
| | 650544 | Screw, 10-24 x 7/8" |
| | 7975 | Nut, 10-24 |
| 39 | 31965 | Plate, Governor spring |
| | | |

| | | 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 |
| 45 | 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 | Screw, 5/16-18 x 1-5/8" (Use as required) |
| | 650697A | Screw, 5/16-18 x 2-1/2" (Use as required) |
| | 650692 | Screw, 5/16-18 x 1-3/4" (Use as required) |
| | 650603 | Screw, 5/16-18 x 5/8" (Use as required) |
| | 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 |
| | 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) |
| | 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) |
| | 32579 | Baffle, Blower housing |
| | 650561 | Screw, 1/4-20 x 5/8" |
| | 31932 | Bearing, Tapered roller |
| | 31928 | Cup, Bearing |
| | 32031 | Spacer, Steel (.010" thick) NOTE: Determine the gap |
| 00 | 52051 | 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 |
| | | |

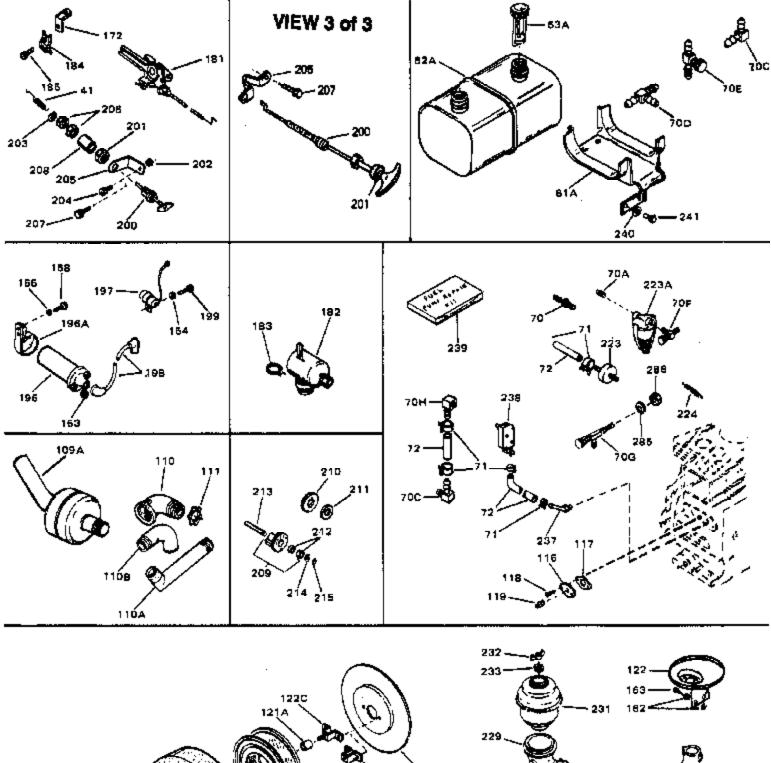
| | Part Number | Qty Description |
|---|---|--|
| 82 | 31972 | * Gasket, Shim (.005/.007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined 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 |
| 84 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121 122D 122E 125A 126 128 128 128 128 128 128 | 650679 792028 650666 650594 33044A 8274 650595 8274 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32042 32043B 33038 29752 650587 27272 650587 27272 650399 30767 32378 32376 32009 650513 650713 670713 670713 670713 670713 670713 670713 670717 77207277777777 | • |
| 156 173 176 177 178 | 730201 610118 32426 8345 27070 650675 | Trigger Pin Kit (Use as required) Cover, Spark plug (Use as required) Spacer, Screen Washer, 1/4 plain (Use as required) Washer, Lock 1/4 E.T. (Use as require d) Washer, Flat 1/4 (Use as required) |

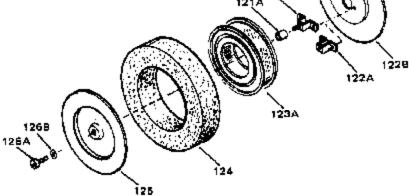
| Ref # | Part Number Qty | Description |
|-------|-----------------|--|
| 184 | 27793 | Clip, Conduit |
| 185 | 28942 | Screw, 10-32 x 3/8" |
| 187 | 650713 | Screw, 5/16-18 x 5/8" |
| 188 | 26073 | Washer, Flat |
| 246 | 33776 | Screen, Starter pulley |
| 248 | 650670 | Screw, 1/4-20 x 3/4" |
| 249 | 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 | 610748 | Solid State Magneto (Incl.151,173,265 ,266) |
| 278 | 610746 | Solid State Flywheel |
| 299A | 31752 | Decal, Air cleaner |
| 299 | 34346 | Decal, Instruction |
| 299B | 550223 | Decal, Name |
| 299B | 32676 | Decal, Solid State |
| 300 | 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 *) |

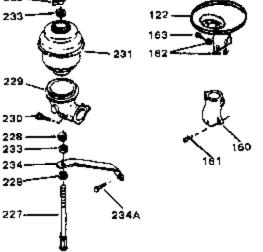


| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 178 | 27070 | | Washer, Lock 1/4 E.T. (Use as require d) |
| 178 | 650675 | | Washer, Flat 1/4 (Use as required) |
| 180 | 650701 | | Screw, 8-18 x 7/16" (Use as required) |
| 222 | 792028 | | Screw, 5/16-18 x 7/8" (Use w/32817 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) |
| 254 | 610761 | | Alternator Coil (Solid State) (10 Amp) (Incl. Nos. 253, 256 & 257A) |
| 255 | 650416 | | Screw, 10-32 x 1" |
| 256 | 610922 | | Terminal, Female |
| 257A | 610819 | | Connector, Pyramid (For female termin als) |
| 257B | 610824 | | Flat Connector (Female terminals) (As req.) |
| 266 | 610750 | | Grommet, Lead wire |
| | 730198 | | Starter Switch Kit(Incl. 287-298) (As req.) |
| 303 | 33835 | | Electric Starter Motor (12 Volt) NOTE: The 32817 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. |

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







| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 41 | 31967 | | Spring, Governor |
| 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) |
| 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 |
| 172 | 30208 | | Bracket, Choke control |
| 184 | 27793 | | Clip, Conduit |
| 185 | 28942 | | Screw, 10-32 x 3/8" |