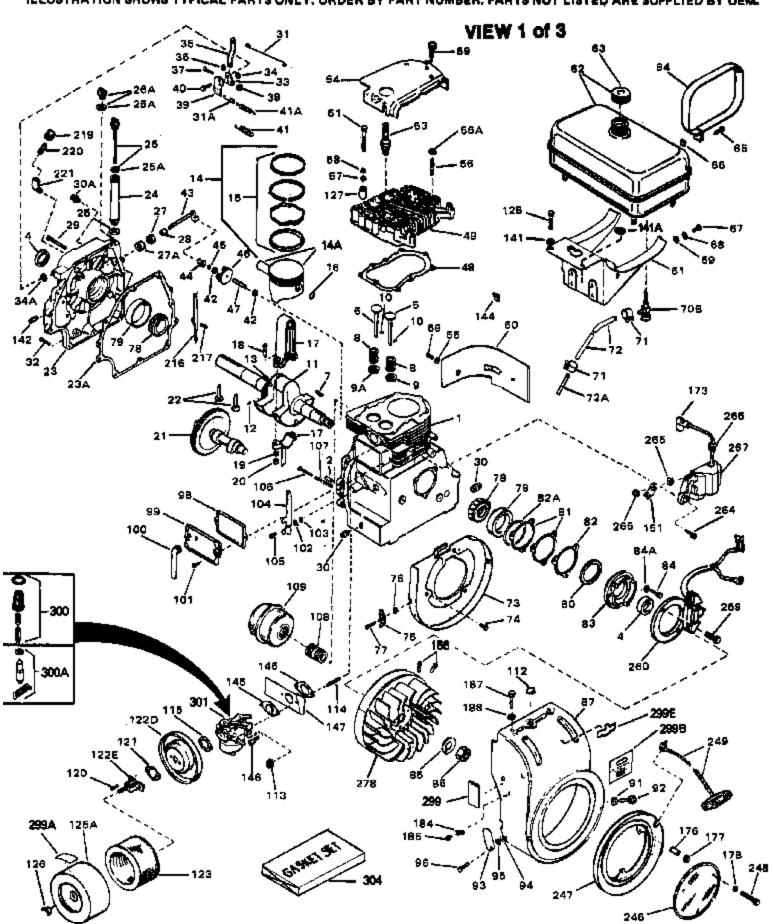
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEML



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| Ref # | Part Number | Qty | Description |
|-------|--|-------|--|
| | 33042 | , | Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore) |
| | 27652 | | Pin, Dowel |
| 4 | 31950 | | Seal, Oil |
| | 31940 | | Intake Valve (Std.) |
| | 31941 | | Intake Valve (1/32" OS) (Incl. 9) |
| | 31942 | | Exhaust Valve (Std.) |
| | 31943 | | Exhaust Valve (1/32" OS) (Incl. 9) |
| | 650592 | | Key, Flywheel |
| 8 | 31944 | | Spring, Valve |
| 9 | 31946 | | Cap, Lower valve spring (1/32" OS) |
| 9 | 31945 | | Cap, Lower valve spring (Std.) |
| 9A | 31945 | | Cap, Lower valve spring (Std.) |
| 9A | 31946 | | Cap, Lower valve spring (1/32" OS) |
| 10 | 20810 | | Pin, Valve spring retainer |
| 11 | 33393A | | Crankshaft (Incl. 12, 13, 78 & 79) |
| 12 | 29783 | | Pin, Crankshaft gear |
| 13 | 31931 | | Gear, Crankshaft |
| 14 | 34511 | | Piston, Pin & Ring Set (Std.) (3-1/2" Bore) |
| 14 | 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 | | Piston & Pin Ass'y. (.040" OS) (Incl. 16) |
| | 32241 | | Ring Set (Std.) (3-1/2" Bore) |
| | 32242 | | Ring Set (.010" OS) |
| | 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 32150 | | Nut Assy., Lock |
| | 31939 | | Camshaft (MCR) Lifter, Valve |
| | 31956A | | * Gasket, Cylinder cover |
| | 32580A | | Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) |
| | 29673 | | * Gasket, Oil fill |
| | 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 |
| | 31965 | | Plate, Governor spring |
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| | ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, | * * * | |

| Dof # | Don't Museshor | Description |
|-------|-----------------|--|
| | Part Number Qty | |
| | 30312 | Screw, 10-32 x 1/2" |
| | 31967 | Spring, Governor |
| | 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 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) |
| | 650692 | Screw, 5/16-18 x 1-3/4" (Use as requi red) |
| | 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) |
| 58 | 650690 | Washer, Belleville (Use as required) |
| 58 | 8274 | Washer, Lock (Use as required) |
| 59 | 650128 | Screw, 10-24 x 1/2" |
| | 31976 | Extension, Blower housing |
| | 31978 | Bracket, Fuel tank |
| | 410144B | Fuel Cap (White Plastic)(Std.)(As req uired) |
| | 34210 | |
| 03 | 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 requir ed) |
| | 650561 | |
| | | Screw, 1/4-20 x 5/8" (Use as required) |
| | 30063 | Screw, 1/4-20 x 1/2" (Use as required) |
| | 792028 | Screw, 5/16-18 x 7/8" (Use as require d) |
| | 29683 | Strainer & Shut-off, Fuel |
| | 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) |
| | 30705 | Fuel Line (Braided) (16") (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 |
| | 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 |
| | | 4 |

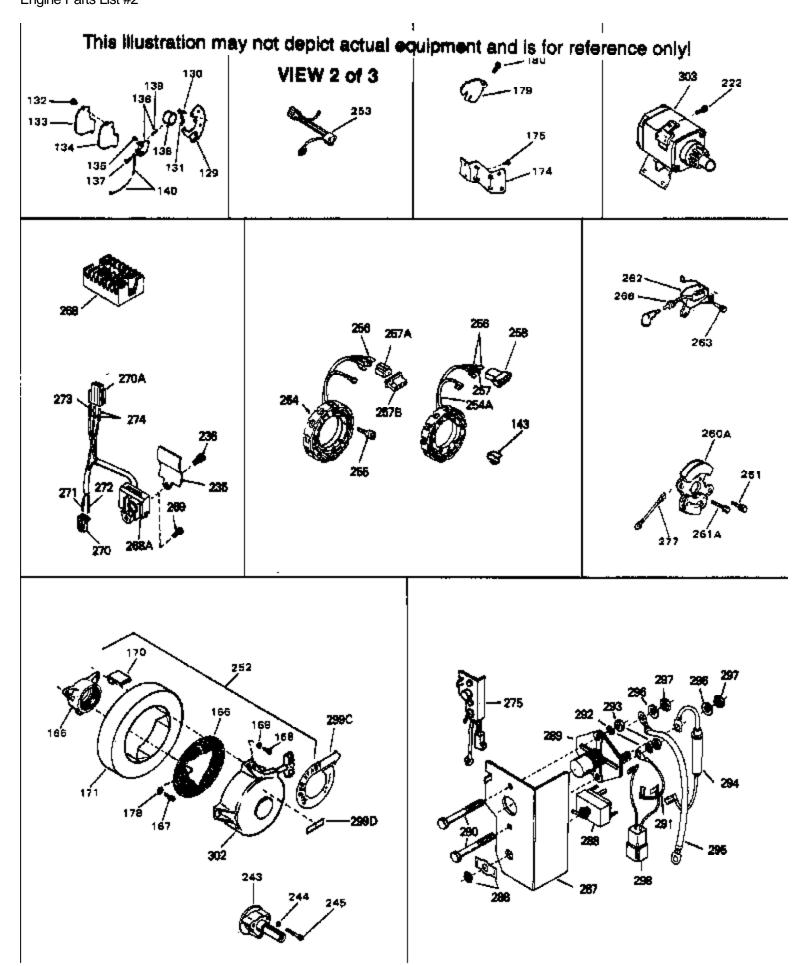
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| | | Description |
|------|-----------------|---|
| 81 | 31971 | * Gasket, Shim (.004/.005 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req |
| 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 |
| 82A | 32599 | "O" Ring |
| | 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 |
| 84 | 650668 | Screw, 10-32 x 1" |
| | 650679 | Lockwasher, 5/16" (Use as required) |
| | 650666 | Washer, Lock |
| | 650594 | Nut, Flywheel, 3/4-16 |
| | 33037 | Blower Housing |
| | 8274 | Washer, Lock |
| | 650595 32039 | Screw, 5/16-24 x 3/8" Switch, Stop |
| | 650890 | Washer, Shakeproof |
| | 26073 | Washer, Flat |
| | 650624 | Screw, 5/16-24 x 9/16" |
| | 31958 | * Gasket, Breather |
| 99 | 31957 | Breather Assy. |
| | 35350 | Tube, Breather |
| | 650128 | Screw, 10-24 x 1/2" |
| | 28558 | Washer, Wave |
| | 31966 31984A | Bushing, Control lever Lever, Control |
| | 650597 | Screw, 10-24 x 5/8" |
| | 650591 | Screw, 10-24 x 2" |
| | 33099 | Spring |
| | 32042 | Nipple, Exhaust pipe |
| | 32043B | Muffler |
| | 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) |
| | 650429 | Screw, 5/16-18 x 3/4" (Use as require d) |
| | 792028 | Screw, 5/16-18 x 7/8" (Use as require d) |
| 141 | 26073 | Washer, Flat (Use as required) |
| 141A | | Lockwasher, Split (Use as required) |
| | 33263 | * Gasket, Carburetor |
| | 650451 | Screw, 1/4-20 x 1" |
| 14/ | 34061 | Baffle, Air |

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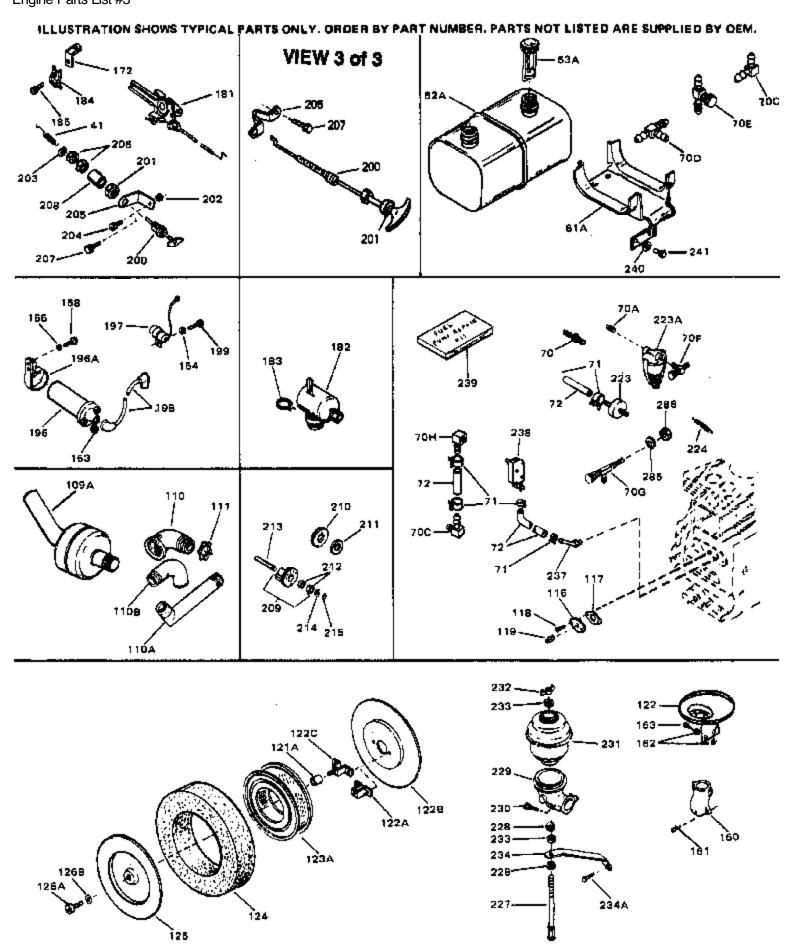
| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|---|
| | 730201 | | Trigger Pin Kit (Use as required) |
| 173 | 610118 | | Cover, Spark plug (Use as required) |
| 176 | 31992 | | Spacer, Screen |
| 177 | 8345 | | Washer, 1/4 plain (Use as required) |
| 178 | 27070 | | Washer, 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" |
| | 650713 | | Screw, 5/16-18 x 5/8" |
| 188 | 26073 | | Washer, Flat |
| | 33776 | | Screen, Starter pulley |
| | 31980 | | Pulley, Starter |
| | 650680 | | Screw, 1/4-20 x 1-1/2" |
| | 32046 | | Rope Assy., Starter (Use as required) |
| | 610750 | | Grommet, Lead wire |
| | 610758 | | Flywheel |
| | 34346 | | Decal, Instruction |
| | 550223 | | Decal, Name |
| | 32676 | | Decal, Solid State |
| | 31752 | | Decal, Air cleaner |
| | 631021 | | Inlet Needle, Seat & Clip Assy. |
| 301 | 631877 | | Carburetor (Incl. 145) (Refer to Division 5, Section A, page 134 for breakdown) |
| 304 | 33237A | | * Gasket Set (Incl. items marked *) |



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| Ref # | Part Number | Otv | Description |
|-------|-------------|-----|---|
| | 27070 | ۵., | Washer, Lock 1/4 E.T. (Use as require d) |
| | 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 & 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" |
| | 650669 | | Screw, 5/16-18 x 1-1/4" |
| | 610760 | | Solid State Transformer Ass'y.(Incl.1 73,266) |
| | 650561 | | Screw, 1/4-20 x 5/8" |
| | 610750 | | Grommet, Lead wire |
| | 730198 | | Starter Switch Kit(Incl. 287-298) (As req.) |
| 277 | 30831 | | Ground Wire (Incl. 75) |



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| 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" |