

| | y Description |
|------------|---|
| 1 33762B | Cylinder (Incl. 2, 4 & 33) (3-5/16" B ore) |
| 2 31927 | Pipe Plug, 3/8-18 sq. head (Use as re quired) |
| 2 28483 | Pipe Plug (3/8-18 hex countersunk) (A s req.) |
| 2 | Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) |
| 2 9556 | Pipe Plug (1/8-27 sq. hd.) (Use as re quired) |
| 2 28534 | Pipe Plug(1/8-27 hex c/sunk headless) (As req) |
| 4 27652 | Pin, Dowel |
| 5 34104A | Crankshaft (Incl. 6 thru 9) NOTE: When using this |
| 3 0+10+/C | crankshaft to repair older units equippedwith straight cut cam |
| | and governor gears, it will be necessary to order 34751 helical |
| | |
| | governor gear assembly and 34752 helical camshaft in order |
| | to the complete the repair. |
| 6 29783 | Pin, Crankshaft gear |
| 7 31931 | Gear, Crankshaft (Straight) |
| 8 31932 | Bearing, Tapered roller |
| 9 31928 | Cup, Bearing |
| | |
| 11 34508 | Piston, Pin & Ring Set (Std.) (3-5/16 " Bore) |
| 11 34509 | Piston, Pin & Ring Set (.010" OS) |
| 11 34510 | Piston, Pin & Ring Set (.020" OS) |
| 11A 32001C | Piston & Pin Ass'y. (Std.)(3-5/16")(I ncl.12) |
| 11A 32002B | Piston & Pin Ass'y. (.010" OS) (Incl. 12) |
| 11A 32003B | Piston & Pin Ass'y. (.020" OS) (Incl. 12) |
| 12 31919 | Ring, Piston pin retaining |
| 13 32004 | Ring Set (Std.) (3-5/16" Bore) |
| 13 32005 | Ring Set (.010" OS) |
| 13 32006 | Ring Set (.020" OS) |
| 14 33093A | Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17) |
| 14 34383 | Connecting Rod Assy.(.010" US)(Incl.1 5,16,17) |
| 14 34384 | Connecting Rod Assy.(.020" US)(Incl. 1 5,16.17) |
| 15 32077 | |
| | Bolt, Connecting rod |
| 16 26073 | Washer, Connecting rod |
| 17 28264 | Nut Assy. |
| 18 33470 | Camshaft (MCR) (Straight) |
| 19 33472 | Lifter, Valve |
| 20 33471 | Rod, Push |
| 21 33505 | Intake Valve (Std.) |
| 21 33645 | Intake Valve (1/32" OS) |
| 22 33506 | Exhaust Valve (Std.) |
| 22 33646 | Exhaust Valve (1/32" OS) |
| 23 33507 | Spring, Valve |
| 24 33508 | Retainer & Cap Set, Keeper valve |
| 25 33509 | * "O" Ring (Intake only) (Also Incl. in 251) |
| 25A 34410 | * "O" Ring (Exhaust only) (Also Incl. i n 251) |
| 26 33510 | Cap, Valve |
| 27 33473 | Governor Gear & Shaft Ass'y. (Straigh t) |
| 28 650745 | Washer, Flat |
| | • |
| 29 35479 | Washer, Flat (Use with 35322 spool) |
| 29 30590A | Washer, Flat |
| 30 31948 | Spool, Governor |
| 31 31956B | * Gasket, Cylinder cover |
| 32 32580A | Cylinder Cover Assy.(Incl.2,33,36,37 & 38) |
| 33 31950 | * Seal, Oil |
| 34 650451 | Screw, 1/4-20 x 1" |
| 35 650588 | Screw, 1/4-20 x 2" |
| 36 32425 | Rod Assy., Governor |
| 37 32426 | Spacer, Governor rod |
| 38 29193 | Ring, Retaining |
| JU 2010U | rang, radaning |

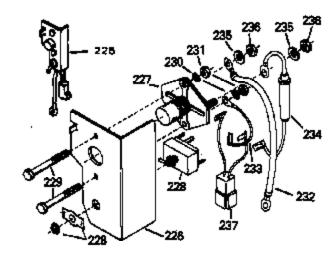
| Dof # | Dort Number | Description |
|-------|-----------------|---|
| | Part Number Qty | |
| | 28942 | Screw, 10-32 x 3/8" |
| | 34225A | * Gasket, Cylinder head |
| | 33763 | Head, Cylinder |
| | 35552 | Spark Plug (RL-82C) |
| 46A | 650691 | Washer, Flat |
| 46 | 650690 | Washer, Belleville |
| 47A | 650746 | Screw, 5/16-18 x 1-3/8" |
| 47 | 650692 | Screw, 5/16-18 x 1-3/4" |
| | 730218 | Valve Guide Kit (Incl. 49) |
| | 792035 | Ring, Retaining |
| | 33515A | * Gasket, Intake pipe |
| | 33475 | Pipe, Intake |
| | 650378 | Screw, Torx T-30, 5/16-18 x 1-1/8" |
| | 792028 | Screw, 5/16-18 x 7/8" |
| | | * Gasket, Carburetor |
| | 33476A | • |
| | 34285 | Baffle, Air extension |
| | 792075 | Nut, Lock 5/16-24 (Used in early prod uction) |
| | 33478 | Link, Governor lever-to-throttle leve r |
| | 31963 | Lever, Governor |
| | 31964 | Clamp, Governor lever |
| | 650518 | Lockwasher, No. 10 E.T. |
| 61 | 30312 | Screw, 10-32 x 1/2" |
| 62 | 650544 | Screw, Torx T-25, 10-24 x 7/8" |
| 63 | 7975 | Nut, 10-24 |
| 64 | 31965 | Plate, Governor spring |
| | 31984A | Lever Assy., Control |
| | 28558 | Washer, Wave |
| | 31966 | Bushing, Governor lever |
| | 650597 | Screw, 10-24 x 5/8" |
| | 31967 | Spring, Governor |
| | 650591 | Screw, 10-24 x 2" |
| | 33099 | |
| | | Spring |
| | 32599 | "O" Ring (Incl. in 251) |
| | 650615 | Washer, Flat |
| | 32579 | Baffle, Blower housing |
| | 650561 | Screw, 1/4-20 x 5/8" |
| | 650592 | Key, Flywheel |
| | 730201 | Trigger Pin Kit (Use as required) |
| 77 | 610909 | Flywheel |
| 78 | 650616 | Nut, Flywheel |
| 79 | 610906 | Solid State Magneto (Incl. 158 thru 1 61) |
| 80 | 650661 | Screw, 1/4-20 x 3/4" |
| 82 | 30063 | Screw, 1/4-20 x 1/2" |
| 83 | 650751 | Screw, 1/4-20 x 7/16" |
| | 34195B | Blower Hsg.(Incl.218,219)(For elec.st arter) |
| | 8274 | Washer, Lock |
| | 8274 | Washer, Lock |
| | 650595 | Screw, 5/16-24 x 3/8" |
| | 650595 | Screw, 5/16-24 x 3/8" |
| | 650752 | Screw, 1/4-20 x 7/16" |
| | | · |
| | 35475 33484 | Tube, Push rod |
| | 33481 | * "O" Ring (Also Incl. in 251) |
| | 34754 | Housing, Rocker arm |
| | 33484 | * "O" Ring (Also Incl. in 251) |
| | 650168 | Washer, Flat |
| | 32610A | Screw, 1/4-20 x 29/32" |
| | 33485 | Arm, Rocker |
| 98 | 33486 | Ring, Retaining |
| | | |

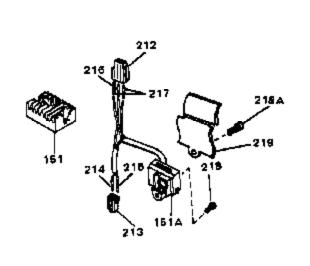
| Ref # | Part Number | Qtv | Description |
|-------|-------------|-----|---|
| | 650755 | | Screw, 1/4-20 x 3/4" |
| 100 | 650864 | | Nut, Hex, 1/4-20 |
| 101 | 650756 | | Stud, Rocker arm |
| 102 | 33487 | | * "O" Ring (Also Incl. in 251) |
| 103 | 33488 | | Cover, Rocker arm |
| 104 | 31958A | | * Gasket, Breather (Also Incl. in 251) |
| 105 | 33489 | | Body Assy., Breather |
| 106 | 33490 | | Tube, Breather |
| 107 | 30102 | | * Screw, 10-32 x 5/8" (Also Incl. in 25 1) |
| 108 | 650738 | | Screw, 1/4-20 x 5/8" |
| 111 | 35471 | | * Gasket, Air cleaner |
| 114 | 650399 | | Screw, 10-32 x 5/8" |
| 115 | 32008 | | Element, Air cleaner |
| 117 | 650513 | | Nut, Wing |
| 118 | 8345 | | Washer, Flat |
| 119 | 32426 | | Spacer, Screen |
| 120 | 32953 | | Screen |
| 122 | 650670 | | Screw, 1/4-20 x 3/4" |
| 123 | 27070 | | Washer, Lock |
| 146 | 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 gaskets must be limited to a combined total |
| | | | of .010" thick. Steel spacersmust be used as required to eli |
| 147 | 792028 | | Screw, 5/16-18 x 7/8" |
| | 31971 | | * Gasket, Shim (.004/.005 thick) NOTE: Determine the gap |
| 100 | 01071 | | 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 gaskets must be |
| | | | limited to a combined total of .010" thick. Steel |
| | | | spacersmust be used a |
| 4=0 | 0.40=0 | | • |
| 156 | 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 gaskets must be |
| | | | limited to a combined total of .010" thick. Steel |
| | | | spacersmust be used a |
| 157 | 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 gaskets must be |
| | | | limited to a combined total of .010" thick. Steel |
| | | | spacersmust be used as re |
| 150 | 610118 | | Cover Spork plug |
| | 610750 | | Cover, Spark plug Grommet, Lead wire |
| | 610408 | | Nut, 8-32 |
| | 610908 | | Terminal, Female |
| | 32252 | | Shaft, Flywheel extension |
| | 27513 | | Lockwasher, Split |
| | 792051 | | Screw, 1/4-20 x 1-3/4" |
| | 33068 | | Dipstick (Incl. 190) |
| | 29985 | | "O" Ring |
| | 32352 | | Tube, Oil filler |
| | 29673 | | * Gasket, Oil filler tube |
| | 550223 | | Decal, Name |
| | 34346 | | • |
| ∠44 | UTUTU | | Decal, Instruction |

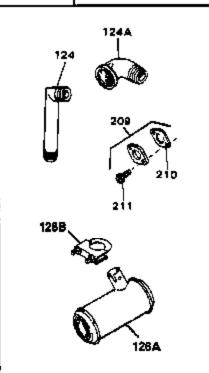
| Ref # | Part Number | Qty | Description |
|-------|-----------------|-----|--|
| 244B | 31752 | | Decal, Air cleaner |
| 246 | 632024 | | Valve, Seat & Spring Assy. |
| 247 | 631718A | | Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 124 for breakdown) |
| | 33516G 35075 | | * Gasket Set (Incl. items marked *) "O" Ring Kit (Incl. Nos. items marked +) |

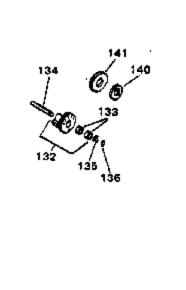
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

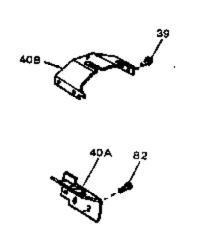
VIEW 2 of 3

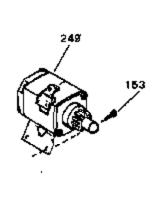


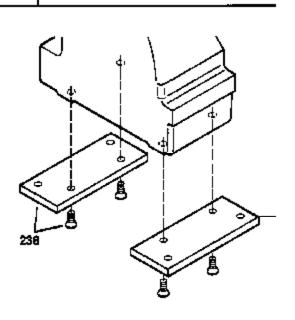






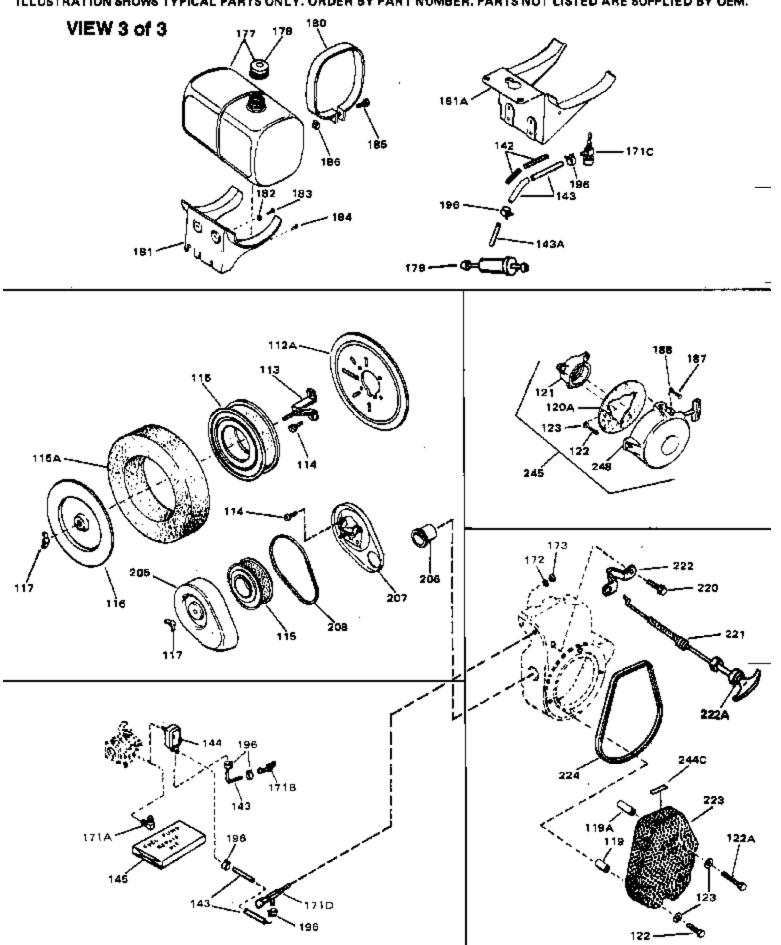






| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 39 | 28942 | | Screw, 10-32 x 3/8" |
| 40B | 34284 | | Cover, Cylinder head |
| 40A | 34283 | | Cover, Cylinder head |
| 82 | 30063 | | Screw, 1/4-20 x 1/2" |
| 126A | 35731 | | Muffler (Incl. 126B) |
| 141 | | | Gear, Counterbalance weight (Straight teeth) (For |
| | | | replacement see Ref. 132. Order correct kit for your |
| | | | enginemodel number.) |
| 148 | 610902 | | Alt.Coil Ass'y. (Incl.162,163,163A) (20 amp) |
| 149 | 650521 | | Screw, 10-32 x 1-1/8" |
| 151A | 610996 | | Regulator (20 Amp) (Incl. 212 thru 21 8) |
| 153 | 792028 | | Screw, 5/16-18 x 7/8"(Use w/32817 str .motor) |
| 153 | 650781 | | Screw,5/16-18 x 11/16"(Use w/33835 st r.motor) |
| | 610903 | | Connector, Flat |
| | 610905 | | Terminal |
| | 610904 | | Terminal |
| | 730178 | | Ech.Adapter Kit (Incl.210 & 211)(As r equired) |
| | 34102B | | Gasket, Exhaust (Use as required) |
| | 30196 | | Screw, 5/16-18 x 3/4" (Use as require d) |
| | 610990 | | Connector, Male |
| | 610921 | | Connector |
| | 610922 | | Terminal |
| | 610989 | | Terminal |
| | 610992 | | Terminal, Female |
| | 610991 | | Terminal, Female |
| | 30063 | | Screw, 1/4-20 x 1/2" |
| 238 | 730212 | | Adapter Plate Kit (Optional) NOTE: If you are having |
| | | | mounting problems in using a HH100 thru0H180 inplace of a |
| | | | large frame competitivebrand, we would like to call your |
| | | | attention to 730212 adapter plate kit. The kit converts the |
| | | | bottom mounting system found on HH100 thru 0H180 to a |
| | | | top mounting sys |
| 249 | 33835 | | Electric Starter Motor (12-Volt) (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 |
|-------|-------------|-----|--|
| 114 | 650399 | | Screw, 10-32 x 5/8" |
| 115 | 32008 | | Element, Air cleaner |
| 117 | 650513 | | Nut, Wing |
| 119 | 32426 | | Spacer, Screen |
| 122 | 650670 | | Screw, 1/4-20 x 3/4" |
| 123 | 27070 | | Washer, Lock |
| 143 | 29774 | | Fuel Line (Braided 8.25")(21 cm)(As r equired) |
| 143 | 30705 | | Fuel Line (Braided 16")(41 cm)(As req uired) |
| 143 | 30962 | | Fuel Line (Braided 32")(81 cm)(As req uired) |
| 144 | 35018 | | Pump, Impulse fuel |
| 145 | 33010 | | Repair Kit, Impulse fuel pump |
| 171B | 32958 | | Fitting, Fuel pump |
| 178 | 410144B | | Fuel Cap (White Plastic)(Std)(As requ ired) |
| 178 | 34210 | | Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as |
| | | | required) |
| 196 | 26460 | | Clamp, Fuel line (Use as required) |
| | 34193 | | Cover, Air cleaner |
| | 34194A | | Tube, Air cleaner |
| | 35473 | | Bracket, Air cleaner |
| | 34197 | | Gasket, Air cleaner |
| | 730134 | | Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) |
| | | | (Use as required) |
| | | | y i / |