



| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|---|
| | 1 33089 | 0 | Cylinder Assy. (3-5/16" Bore) |
| | 2 27652 | 0 | Pin, Dowel |
| | 3 33359 | 0 | Baffle, Oil |
| | 3A 650128 | 0 | Screw |
| | 4 31950 | 0 | Seal, Oil |
| | 5 31940 | 0 | Valve, Intake (Std.) |
| | 5 31941 | 0 | Valve, Intake (1/32" oversize) |
| | 6 31942 | 0 | Valve, Exhaust (Std.) |
| | 6 31943 | 0 | Valve, Exhaust (1/32" oversize) |
| | 7 31944 | 0 | Spring, Valve |
| | 8 31945 | 0 | Cap, Valve spring (Std.) |
| | 8 31946 | 0 | Cap, Valve spring (1/32" oversize) |
| | 8A 31945 | 0 | Cap, Valve spring (Std.) |
| | 8A 31946 | 0 | Cap, Valve spring (1/32" oversize) |
| | 9 20810 | 0 | Pin, Valve spring retaining |
| | 10 31939 | 0 | Lifter, Valve |
| | 11 33090A | 0 | Crankshaft Assy. |
| | 12 29783 | 0 | Pin, Crankshaft gear |
| | 13 33091 | 0 | Gear, Crankshaft |
| | 14 34508 | 0 | Piston, Pin & Ring Assy. (Std.) (3-5/16") |
| | 14 34509 | 0 | Piston, Pin & Ring Assy. (.010 oversize) |
| | 14 34510 | 0 | Piston, Pin & Ring Assy. (.020 oversize) |
| | 14 34523 | 0 | Piston, Pin & Ring Assy. (.040 oversize) |
| | 14 34850 | 0 | Piston, Pin & Ring Assy. (.030 oversize) |
| | 14A 32001C | 0 | Piston & Pin Assy. (Std.) (3-5/16") |
| | 14A 32002B | 0 | Piston & Pin Assy. (.010 oversize) |
| | 14A 32003B | 0 | Piston & Pin Assy. (.020 oversize) |
| | 14A 32619B | 0 | Piston & Pin Assy. (.030 oversize) |
| | 14A 32620B | 0 | Piston & Pin Assy. (.040 oversize) |
| | 15 32004 | 0 | Ring Set, Piston (Std.) (3-5/16") |
| | 15 32005 | 0 | Ring Set, Piston (.010 oversize) |
| | 15 32006 | 0 | Ring Set, Piston (.020 oversize) |
| | 15 32623 | 0 | Ring Set, Piston (.030 oversize) |
| | 15 32624 | 0 | Ring Set, Piston (.040 oversize) |
| | 16 31919 | 0 | Ring, Piston pin retaining |
| | 17 33093A | 0 | Rod Assy., Connecting (Std.) |
| | 17 34383 | 0 | Rod Assy., Connecting (.010 undersize) |
| | 17 34384 | 0 | Rod Assy., Connecting (.020 undersize) |
| | 18 32077 | 0 | Bolt, Connecting rod |
| | 19 26073 | 0 | Washer, Connecting rod bolt |
| | 20 28264 | 0 | Nut |
| | 21 32150 | 0 | Camshaft Assy. (Mechanical Compression) |
| | 22 33092 | 0 | Dipper, Oil |
| | 23 33094 | 0 | Flange, Mounting |
| | 24 31930 | 0 | Shaft, Mechanical governor |
| | 25 31947 | 0 | Gear Assy., Governor |
| | 26 29193 | 0 | Ring, Retaining |
| | 27 31948 | 0 | Spool, Governor |
| | 28 30590A | 0 | Washer, Flat |
| | 29 31927 | 0 | Plug, Oil drain (3/8-18 sq. hd.) |
| | 34 31956A | 0 | Gasket, Mounting flange |
| | 35 30564 | 0 | Screw |
| | 36 650588 | 0 | Screw, Hex hd. Sems, 1/4-20 x 2 |
| | 37 31957 | 0 | Breather Assy. |
| | 38 27627 | 0 | Tube, Breather |
| | 39 31958 | 0 | Gasket, Breather |
| | 40 650128 | 0 | Screw |
| | 41 31959 | 0 | Baffle, Air |

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|-------|-------------|-----|---|
| 42 | 33095 | 0 | Flange, Carburetor |
| 43 | 31960 | 0 | Gasket, Carburetor |
| 43A | 31960 | 0 | Gasket, Carburetor |
| 44 | 6201 | 0 | Screw |
| 45 | 29634 | 0 | Fitting, Fuel |
| 46 | 29752 | 0 | Nut |
| 47 | 650517 | 0 | Screw, Fil. flex hd. self-locking, 1/4-20 x |
| 48 | 33034 | 0 | Head, Cylinder |
| 49 | 32000A | 0 | Gasket, Cylinder head |
| 50 | 33035 | 0 | Cover, Cylinder head |
| 51 | 33636 | 0 | Plug, Spark (Champion J-8 or equivalent) |
| 51 | 34251 | 0 | Resistor Spark Plug |
| 52 | 650691 | 0 | Washer, Flat |
| 53 | 650690 | 0 | Washer, Belleville |
| 54 | 650711 | 0 | Screw, Hex hd., 5/16-18 x 1-5/8 |
| 55 | 33096 | 0 | Lever, Governor |
| 56 | 31964 | 0 | Clamp, Governor lever |
| 57 | 650518 | 0 | Lockwasher, No. 10 |
| 58 | 30312 | 0 | Screw, Hex washer hd. Sems, 10-32 x 1/2 |
| 59 | 650544 | 0 | Screw, Pan flex hd., 10-24 x 7/8 |
| 60 | 7975 | 0 | Nut, Square, 10-24 |
| 61 | 31965 | 0 | Plate, Governor spring |
| 62 | 33097 | 0 | Lever, Governor adjusting |
| 63 | 28558 | 0 | Washer, Wave |
| 64 | 31966 | 0 | Bushing, Governor lever |
| 65 | 650597 | 0 | Screw, Hex washer hd., 10-24 x 5/8 |
| 66 | 31967 | 0 | Spring, Governor |
| 67 | 33098 | 0 | Link, Governor |
| 68 | 650591 | 0 | Screw, Fil. hd., 10-24 x 2 |
| 69 | 33099 | 0 | Spring |
| 70 | 32677 | 0 | Cover, Cylinder |
| 71 | 31971 | 0 | Gasket, Shim (.004/.005 thick) |
| 71 | 31972 | 0 | Gasket, Shim (.005/.007 thick,) |
| 72 | 32031 | 0 | Spacer, Steel (.010 thick) |
| 73 | 32599 | 0 | "O" Ring |
| 74 | 31932 | 0 | Bearing, Tapered roller |
| 75 | 31928 | 0 | Cup, Bearing |
| 76 | 32425 | 0 | Rod Assy., Governor |
| 77 | 32426 | 0 | Spacer, Governor rod |
| 79 | 650666 | 0 | Washer, Lock |
| 80 | 650594 | 0 | Nut, Flywheel |
| 81 | 28537 | 0 | Washer, Flat |
| 82 | 650128 | 0 | Screw |
| 83 | 33038 | 0 | Plug, Button |
| 84 | 650561 | 0 | Screw |
| 85 | 31975 | 0 | Baffle, Blower housing |
| 86 | 28545 | 0 | Grommet, Plastic |
| 87 | 33356 | 0 | Terminal, Ground |
| 88 | 650643 | 0 | Screw |
| 89 | 30831 | 0 | Wire, Ground (Female fitting both ends) |
| 90 | 30688 | 0 | Screw, Hex hd. Sems, 1/4-20 x 1/2 |
| 90 | 650128 | 0 | Screw |
| 91 | 31976 | 0 | Extension, Blower housing |
| 92 | 26073 | 0 | Washer, Connecting rod bolt |
| 93 | 650713 | 0 | Screw, Hex hd., 5/16-18 x 5/8 |
| 94 | 33037 | 0 | Housing, Blower |
| 95 | 27793 | 0 | Clip, Conduit |
| 96 | 28942 | 0 | Screw |

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|-------|-------------|-----|--|
| 97 | 8274 | 0 | Lockwasher |
| 99 | 650595 | 0 | Screw, Hex hd., 5/16-24 x 3/8 |
| 100 | 650890 | 0 | Lockwasher, Shakeproof 5/16 |
| 101 | 32039 | 0 | Switch, Stop |
| 102 | 650624 | 0 | Screw, Hex hd., 5/16-24 x 9/16 |
| 103 | 27272 | 0 | Gasket, Air cleaner |
| 104 | 30767 | 0 | Spacer, Air cleaner |
| 105 | 650399 | 0 | Screw, Phil. fil. hd. Sems, 10-32 x 5/8 |
| 106 | 650513 | 0 | Nut, Wing |
| 107 | 32380 | 0 | Bracket, Air cleaner |
| 108 | 32377 | 0 | Bracket, Air cleaner |
| 109A | 31925 | 0 | Element, Air cleaner |
| 110 | 31926 | 0 | Cover, Air cleaner |
| 111 | 31481 | 0 | Washer, Copper |
| 114 | 650590 | 0 | Nut, Conduit |
| 115 | 32141 | 0 | Elbow, Exhaust (90°) |
| 120 | 27625 | 0 | Plug, Oil filler |
| 121 | 29673 | 0 | Gasket, Filler plug |
| 124 | 31990 | 0 | Bracket, Bowden wire |
| 163 | 31980 | 0 | Pulley, Starter |
| 164 | 32046 | 0 | Rope Assy., Starter |
| 165 | 650680 | 0 | Screw, Truss hd., 1/4-20 x 1-1/2 |
| 166 | 31992 | 0 | Spacer, Screen |
| 167 | 33776 | 0 | Screen, Starter pulley |
| 168 | 27070 | 0 | Lockwasher |
| 174 | 650668 | 0 | Screw, Flat hd., 5/16-18 x 13/16 |
| 175 | 650679 | 0 | Lockwasher |
| 176 | 650592 | 0 | Key, Flywheel |
| 177 | 610758 | 0 | Flywheel (Solid state) |
| 177A | 730201 | 0 | Trigger Pin Kit |
| 178 | 610760 | 0 | Transformer Assy. |
| 179 | 650561 | 0 | Screw |
| 180A | 650489 | 0 | Screw |
| 180 | 650669 | 0 | Screw, Hex hd. Sems w/flat washer, 5/16-18 x |
| 181 | 610759 | 0 | Magneto (Solid state) |
| 183 | 610118 | 0 | Cover, Spark plug |
| 184 | 610750 | 0 | Grommet, Lead wire |
| 206 | 34346 | 0 | Decal, Instruction |
| 206A | 550223 | 0 | Decal, Name |
| 206C | 31752 | 0 | Decal, Air cleaner |
| 207 | 32255A | 0 | Valve, Seat, Gasket & Spring Assy. (.083 |
| 209 | 631608 | 0 | Carburetor |
| 212 | 33237A | 0 | Gasket set |



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| 103 | 27272 | 0 | Gasket, Air cleaner |
| 106 | 650513 | 0 | Nut, Wing |
| 113A | 31987 | 0 | Muffler |
| 127 | 33100 | 0 | Fuel pump, Impulse |
| 128 | 33010 | 0 | Repair Kit, Impulse fuel pump |
| 129 | 29774 | 0 | Line, Fuel (Braided 8.25") |
| 130 | 32958 | 0 | Fitting, Fuel |
| 131 | 26460 | 0 | Clamp, Fuel line |
| 151 | 34118 | 0 | Cap, Fuel filler (Red Plastic) (Spurt |
| 151 | 34210 | 0 | Cap, Fuel filler (Red Plastic) (Spurt |
| 183 | 610118 | 0 | Cover, Spark plug |
| 184 | 610750 | 0 | Grommet, Lead wire |