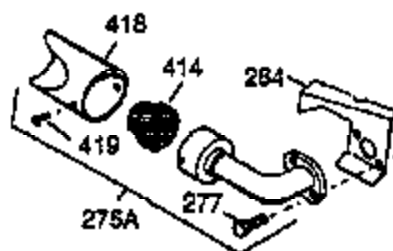
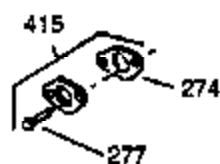
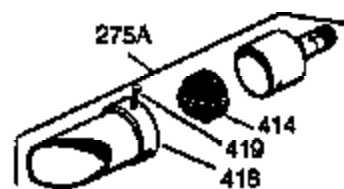
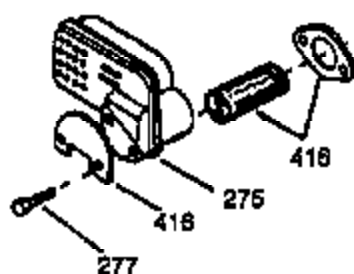
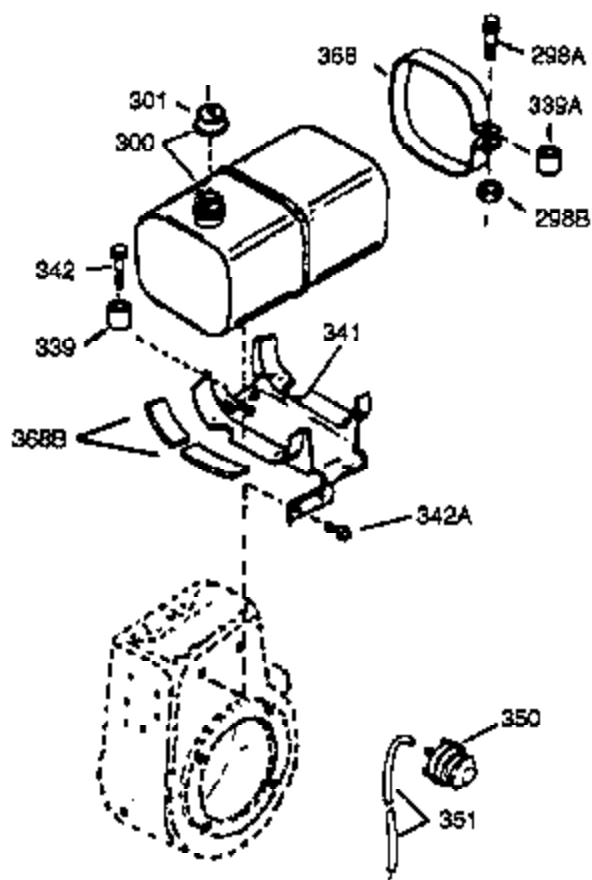
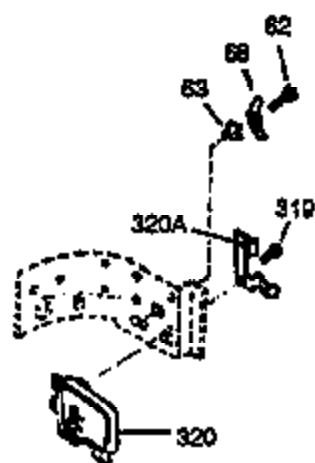
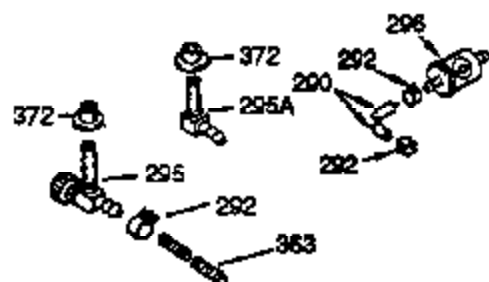
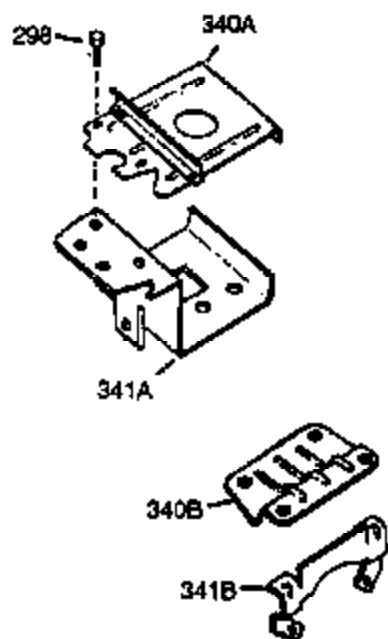


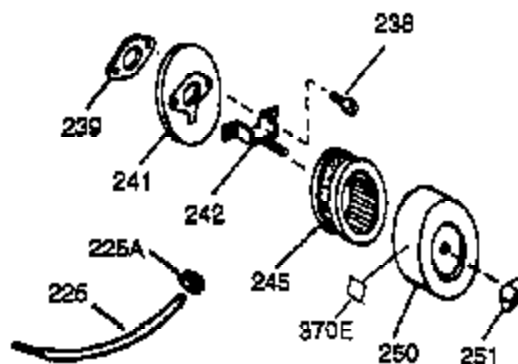
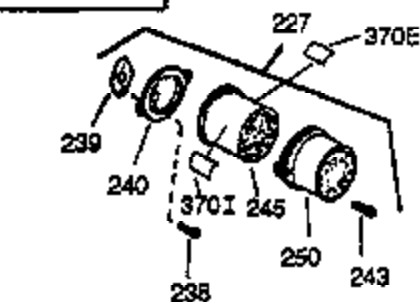
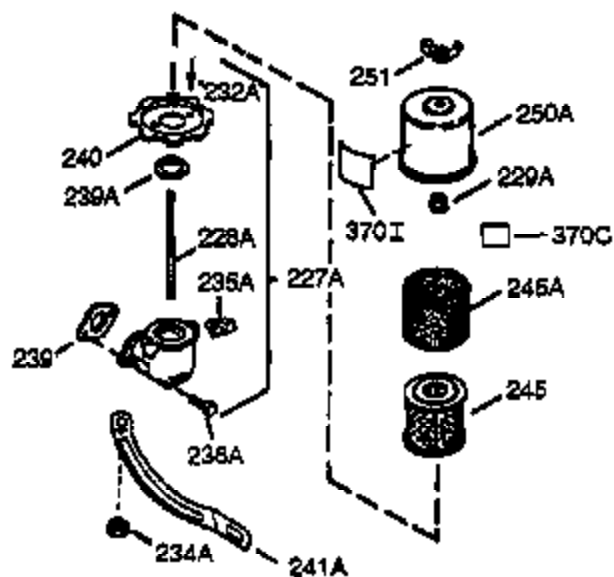
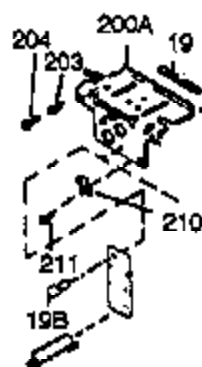
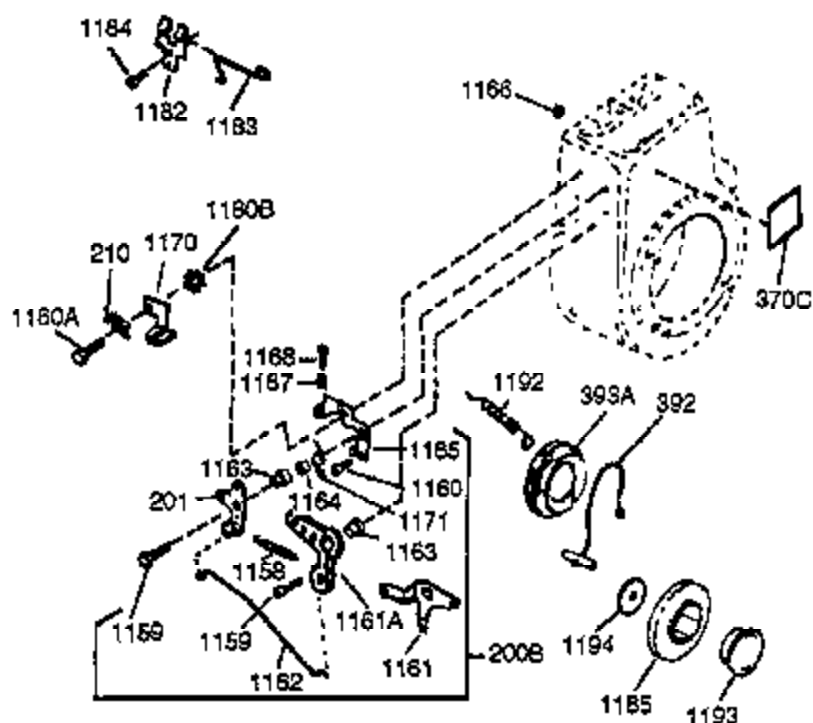
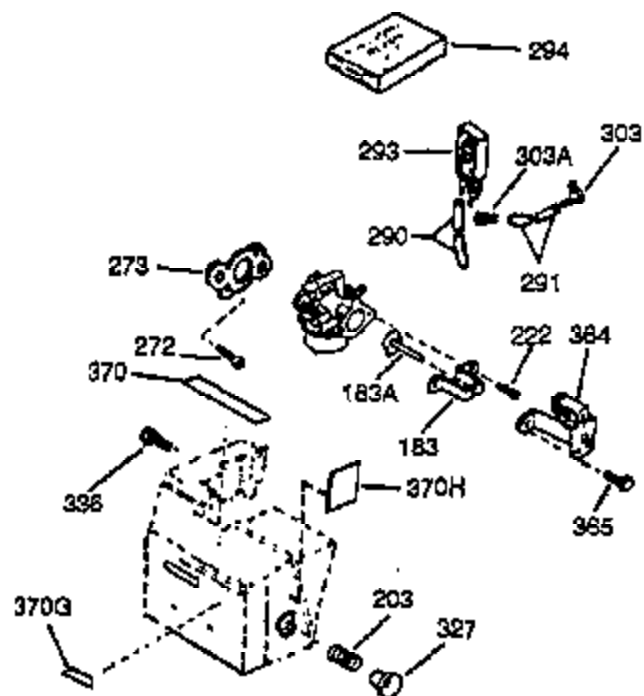
| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 1 | 35371 | | Cylinder (Cl liner)(3-5/16")(Incl.2,2 0 & 72) |
| 2 | 27652 | | Pin, Dowel |
| 15 | 30699C | | Rod Assy., Governor (Incl. 15A & 15B) |
| 15B | 650494 | | Screw, 6-40 x 5/16" |
| 15A | 30700 | | Yoke, Governor |
| 16 | 33454 | | Governor Lever Assy. |
| 17 | 29916 | | Clamp, Governor lever |
| 18 | 650548 | | Screw, 8-32 x 5/16" |
| 19 | 33857 | | Spring Assy., Extension (Incl. 19B) |
| 20 | 35319 | | Seal, Oil |
| 25 | 29536 | | Blower Housing Baffle (Without electric starter knockout) (Use as required) |
| 25 | 35256A | | Blower Housing Baffle (With electric starter knockout) (Use as required) |
| 25 | 35326 | | Baffle, Blower housing |
| 26 | 650561 | | Screw, 1/4-20 x 5/8" |
| 30 | 35495A | | Crankshaft |
| 35 | 29826 | | Screw, 10-32 x 3/4" |
| 36 | 29918 | | Lockwasher, #8 E.T. |
| 37A | 30322 | | Nut & Lockwasher, 8-32 |
| 37 | 29216 | | Locknut, 10-32 |
| 38 | 29642 | | Ring, Retaining |
| 40 | 34860A | | Piston, Pin & Ring Set (Std.)(3-5/16") |
| 40 | 34861A | | Piston, Pin & Ring Set (.010" OS) |
| 40 | 34862A | | Piston, Pin & Ring Set (.020" OS) |
| 41 | 34863 | | Piston & Pin Ass'y. (Std.)(3-5/16")(I ncl.43) |
| 41 | 34864 | | Piston & Pin Ass'y. (.010" OS) (Incl. 43) |
| 41 | 34865 | | Piston & Pin Ass'y. (.020" OS) (Incl. 43) |
| 42 | 34866A | | Ring Set (Std.) (3-5/16" Bore) |
| 42 | 34867A | | Ring Set (.010" OS) |
| 42 | 34868A | | Ring Set (.020" OS) |
| 43 | 27888 | | Ring, Piston Pin retaining |
| 45 | 35373A | | Rod Assy., Connecting (Incl. 46, 47 & 49) |
| 46 | 650908 | | Bolt, Connecting rod |
| 47 | 650882 | | Connecting Rod Bolt (2 pcs. on early Specs.) |
| 48 | 34034 | | Lifter, Valve |
| 49 | 35374 | | Dipper, Oil |
| 50 | 35375 | | Camshaft (MCR) |
| 60 | 33273A | | Extension, Blower housing |
| 64 | 650802 | | Screw, 1/4-20 x 5/8" |
| 65 | 650128 | | Screw, 10-24 x 1/2" |
| 69 | 35262 | | * Gasket, Flange |
| 70 | 33626B | | Cyl.Cover (Incl.71,75,80,179,180,220, 221) |
| 72 | 27642 | | Plug, Oil drain |
| 75 | 33625 | | Seal, Oil |
| 80 | 31845 | | Shaft, Mechanical governor |
| 81 | 30590A | | Washer, Flat |
| 82 | 35378 | | Gear Assy., Governor (Incl. 81) |
| 83 | 30588A | | Spool, Governor |
| 84 | 29193 | | Ring, Retaining |
| 86 | 650833 | | Screw, 1/4-20 x 1-3/16 (Use as requir ed) |
| 87 | 650832 | | Screw, 1/4-20 x 1-11/16" (Use as requ ired) |
| 89 | 32589 | | Key, Flywheel |
| 90 | 611094 | | Flywheel (w/ring gear) (7 Amp) |
| 92 | 650880 | | Washer, Lock |
| 93 | 650881 | | Nut, 5/8-18 |
| 100 | 35135 | | Solid State Assy. |

| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 101 | 610118 | | Cover, Spark plug |
| 102 | 650872 | | Stud, Solid state mounting |
| 103 | 650814 | | Screw, Torx T-15, 10-24 x 1" |
| 108 | 29783 | | Pin, Crankshaft gear (Only serviceable when gear is pinned to crank.) |
| 109 | 33245 | | Gear, Crankshaft |
| 119 | 34923A | | * Gasket, Cylinder head |
| 120 | 34030A | | Head, Cylinder |
| 125 | 27878A | | Exhaust Valve (Std.) (Incl. 151) |
| 125 | 27880A | | Exhaust Valve (1/32" OS) (Incl. 151) |
| 126 | 34035 | | Intake Valve (Std.) (Incl. 151) |
| 126 | 34036 | | Intake Valve (1/32" OS) (Incl. 151) |
| 127 | 650691 | | Washer (Do not use with No. 6021A screw.) |
| 128 | 650690 | | Washer, Belleville (Use as required) |
| 129 | 650727 | | Screw, 5/16-18 x 1-3/4 (Use as required) |
| 130 | 6021A | | Screw, 5/16-18 x 1-1/2" (Use as required, but do not use No. 650691 washer.) |
| 130 | 650711 | | Screw, 5/16-18 x 1-5/8" (Use as required) (Can use 6021A but discard 650691 washer.) |
| 130 | 650694A | | Screw, 5/16-18 x 2" (Use as required) |
| 131A | 650713 | | Screw, 5/16-18 x 5/8" |
| 131 | 650737 | | Screw, 1/4-20 x 1/2" (Use as required) |
| 131 | 650738 | | Screw, 1/4-20 x 5/8 (Use as required) |
| 133 | 650890 | | Washer, Internal Lock |
| 135 | 33636 | | Resistor Spark Plug |
| 139 | 33369 | | Bracket, Governor gear |
| 140 | 650836 | | Screw, 10-24 x 1/2" |
| 149A | 35862 | | Seal Assy., Intake valve |
| 150 | 27881 | | Spring, Valve |
| 151 | 32581 | | Cap, Lower valve spring |
| 169 | 27896A | | * Gasket, Breather |
| 170 | 28423 | | Body, Breather |
| 171 | 28424 | | Element, Breather |
| 172 | 28425 | | Cover, Breather |
| 173 | 35350 | | Tube, Breather |
| 174 | 650128 | | Screw, 10-24 x 1/2" |
| 182 | 650517 | | Screw, 1/4-20 x 27/32" |
| 184 | 33263 | | * Gasket, Carburetor |
| 186 | 34661 | | Link, Governor lever |
| 187A | 30196 | | Screw, 5/16-18 x 3/4" |
| 187 | 34349A | | Flange, Carburetor mounting |
| 200 | 34784 | | Control Bracket (Incl. 19, 203, 204, 206, 209) |
| 203 | 31342 | | Spring, Compression |
| 204 | 650549 | | Screw, 5-40 x 7/16" |
| 207 | 34785 | | Link, Governor lever-to-throttle |
| 209 | 650821 | | Screw, 10-32 x 1/2" |
| 210 | 27793 | | Clip, Conduit |
| 211 | 28942 | | Screw, 10-32 x 3/8" |
| 222A | | | Pop Rivet (Can be purchased locally) |
| 224 | 27915A | | * Gasket, Intake pipe |
| 250B | 33269A | | Cover, Air cleaner |
| 260 | 33375D | | Blower Housing (For electric starter) |
| 261 | 650788 | | Screw, 5/16-18 x 3/4" |
| 262 | 29747B | | Screw, 5/16-24 x 21/32" |
| 265 | 33272B | | Cover, Cylinder head |
| 276 | 35741 | | Plate, Muffler locking |

| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 277 | 650729 | | Screw, 5/16-18 x 3-3/16" (Use as required) |
| 277 | 651002 | | Screw, 5/16-18 x 4-1/4" (Use as required) |
| 285 | 35287 | | Cup, Starter |
| 286 | 35446 | | Screen, Starter |
| 287 | 29752 | | Nut, 1/4-28 |
| 290 | 29774 | | Fuel Line (Braided 8-1/4")(21cm)(As required) |
| 290 | 30962 | | Fuel Line (Braided 32")(80cm)(As required) |
| 291 | 30705 | | Fuel Line (Braided 16")(40cm)(As required) |
| 292 | 26460 | | Fuel Line Clamp (Use as required) |
| 298 | 650665 | | Screw, 1/4-15 x 7/8" |
| 300 | 34186A | | Fuel Tank (Incl. 292 & 301) NOTE: These tanks were built with different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355. |
| 301A | 410144B | | Fuel Cap (White Plastic)(Standard) (Use as required) (1.5" I.D.) |
| 301A | 33032 | | Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as required) (1.5" I.D.) |
| 301A | 34210 | | Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use as required) (1.5" I.D.) |
| 301A | 35355 | | Fuel Cap (Red Plastic)(1.75" I.D.) |
| 306 | 29673 | | * Gasket, Oil filler |
| 310 | 31297 | | Dipstick (Incl. 307) |
| 316 | 611097 | | Alternator Coil (7 Amp, D.C.)(Incl. 322 & 323) |
| 327 | 35392 | | Plug, Starter |
| 338A | 31291 | | Plug, Cover |
| 340 | 34154 | | Plate, Upper fuel tank mtg. |
| 341 | 34155 | | Bracket, Lower fuel tank mtg. |
| 342 | 650561 | | Screw, 1/4-20 x 5/8" |
| 361 | 30063 | | Screw, Torx T-30, 1/4-20 x 1/2" |
| 370A | 34686 | | Decal, Name |
| 370 | 34346 | | Decal, Instruction |
| 370 | 35274 | | Decal, Instruction |
| 379 | 631021 | | Inlet Needle, Seat & Clip Assy. |
| 380 | 632406 | | Carburetor (Incl. 184 & 379) (Refer to Div. 5, Sec. A, page A3-8 for breakdown or Fiche 18B, Grid D-1) |
| 390 | 590633 | | Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18B, Grid G-1) |
| 395 | 35763A | | Electric Starter Motor (12 Volt) (Refer to service number stamped on end cap of motor, or on decal, for identification. Refer to Division 5, Section D for breakdown or Fiche 18B, Grid G-6) |
| 400 | 33279G | | * Gasket Set (Incl. items marked *) |
| 420 | 730225 | | SAE 30 4-Cycle Engine Oil (Quart) |
| 421 | 730226 | | SAE 5W30 4-Cycle Engine Oil (Quart) |
| 422 | 35824 | | Muffler Optional |

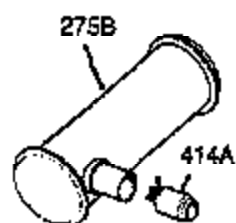


| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 37A | 30322 | | Nut & Lockwasher, 8-32 |
| 64 | 650802 | | Screw, 1/4-20 x 5/8" |
| 129 | 650727 | | Screw, 5/16-18 x 1-3/4 (Use as required) |
| 131A | 650713 | | Screw, 5/16-18 x 5/8" |
| 131 | 650737 | | Screw, 1/4-20 x 1/2" (Use as required) |
| 131 | 650738 | | Screw, 1/4-20 x 5/8 (Use as required) |
| 187A | 30196 | | Screw, 5/16-18 x 3/4" |
| 187 | 34349A | | Flange, Carburetor mounting |
| 222A | | | Pop Rivet (Can be purchased locally) |
| 250B | 33269A | | Cover, Air cleaner |
| 274 | 35865 | | Gasket, Exhaust |
| 277 | 650729 | | Screw, 5/16-18 x 3-3/16" (Use as required) |
| 277 | 651002 | | Screw, 5/16-18 x 4-1/4" (Use as required) |
| 284 | 34390 | | Deflector |
| 290 | 29774 | | Fuel Line (Braided 8-1/4")(21cm)(As required) |
| 290 | 30962 | | Fuel Line (Braided 3/2")(80cm)(As required) |
| 292 | 26460 | | Fuel Line Clamp (Use as required) |
| 298 | 650665 | | Screw, 1/4-15 x 7/8" |
| 300 | 34186A | | Fuel Tank (Incl. 292 & 301) NOTE: These tanks were built with different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355. |
| 301A | 410144B | | Fuel Cap (White Plastic)(Standard) (Use as required) (1.5" I.D.) |
| 301A | 33032 | | Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as required) (1.5" I.D.) |
| 301A | 34210 | | Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use as required) (1.5" I.D.) |
| 301A | 35355 | | Fuel Cap (Red Plastic)(1.75" I.D.) |
| 306 | 29673 | | * Gasket, Oil filler |
| 316 | 611097 | | Alternator Coil (7 Amp, D.C.)(Incl. 322 & 323) |
| 319 | 650874 | | Screw, 10-32 x 15/32" |
| 320 | 611098 | | Regulator (7 Amp D.C.) |
| 338A | 31291 | | Plug, Cover |
| 341 | 34155 | | Bracket, Lower fuel tank mtg. |
| 342 | 650561 | | Screw, 1/4-20 x 5/8" |
| 414 | 33323 | | Opt. Muffler Screen (Mini-Bike application) |
| 415 | 730130 | | Kit, Exhaust adapter (Incl. 274 & 277) |
| 418 | 33700 | | Cover & Tube, Muffler (use as required) |
| 419 | 650578 | | Screw, 8-18 x 3/8" (use as required) |
| 421 | 730226 | | SAE 5W30 4-Cycle Engine Oil (Quart) |
| 422 | 35824 | | Muffler Optional |

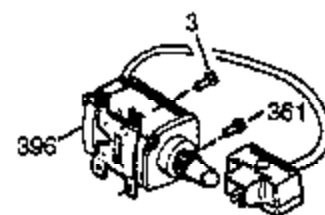


| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|---|
| 19B | 28942 | | Screw, 10-32 x 3/8" |
| 19 | 33857 | | Spring Assy., Extension (Incl. 19B) |
| 37A | 30322 | | Nut & Lockwasher, 8-32 |
| 64 | 650802 | | Screw, 1/4-20 x 5/8" |
| 129 | 650727 | | Screw, 5/16-18 x 1-3/4 (Use as required) |
| 131A | 650713 | | Screw, 5/16-18 x 5/8" |
| 131 | 650737 | | Screw, 1/4-20 x 1/2" (Use as required) |
| 131 | 650738 | | Screw, 1/4-20 x 5/8 (Use as required) |
| 187 | 34349A | | Flange, Carburetor mounting |
| 187A | 30196 | | Screw, 5/16-18 x 3/4" |
| 200B | 730152 | | Control Bracket (Incl. 1158-1171)(As required) |
| 203 | 31342 | | Spring, Compression |
| 204 | 650549 | | Screw, 5-40 x 7/16" |
| 210 | 27793 | | Clip, Conduit |
| 211 | 28942 | | Screw, 10-32 x 3/8" |
| 222A | | | Pop Rivet (Can be purchased locally) |
| 225A | 631334 | | Gasket, Carburetor |
| 225 | 35043 | | Tube Assy., Carburetor |
| 227 | 730127 | | Air Cleaner Assy. (Incl. 238, 239, 242, 246, 250) (Use as required) |
| 238 | 28820 | | Screw, 10-32 x 1/2" |
| 239 | 27272A | | * Gasket, Air cleaner |
| 241 | 33266 | | Bracket, Air cleaner |
| 242 | 33267 | | Bracket, Air cleaner |
| 245 | 33268 | | Element, Air cleaner |
| 250B | 33269A | | Cover, Air cleaner |
| 251 | 650513 | | Nut, Wing 1/4-20 |
| 290 | 29774 | | Fuel Line (Braided 8-1/4")(21cm)(As required) |
| 290 | 30962 | | Fuel Line (Braided 3/2")(80cm)(As required) |
| 291 | 30705 | | Fuel Line (Braided 1/2")(40cm)(As required) |
| 293 | 34385 | | Impulse Fuel Pump NOTE: 34385 and 33715 (WIP)pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps. |
| 293 | 33715 | | Impulse Fuel Pump NOTE: 34385 and 33715 (WIP)pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps. |
| 294 | 33010 | | Fuel Pump Repair Kit NOTE: 34385 and 33715 (WIP)pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps. |
| 294 | 35791 | | Fuel Pump Repair Kit NOTE: 34385 and 33715 (WIP)pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps. |
| 301A | 410144B | | Fuel Cap (White Plastic)(Standard) (Use as required) (1.5" I.D.) |
| 301A | 33032 | | Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as required) (1.5" I.D.) |
| 301A | 34210 | | Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use as required) (1.5" I.D.) |
| 301A | 35355 | | Fuel Cap (Red Plastic)(1.75" I.D.) |
| 303 | 32958 | | Fitting, Fuel |

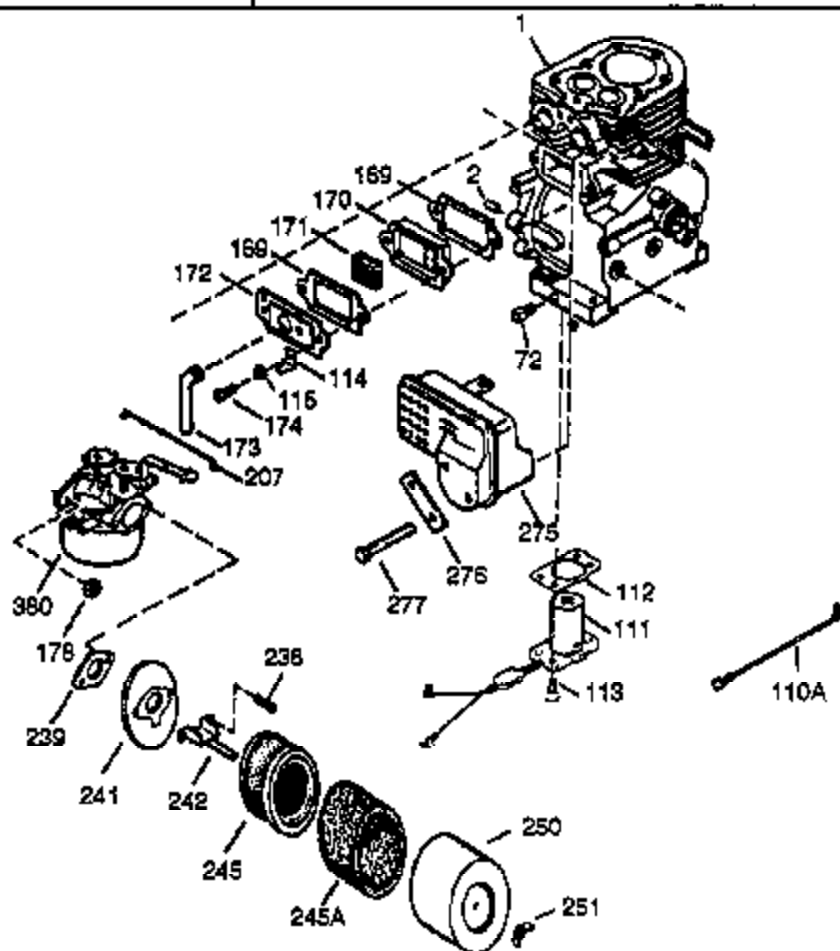
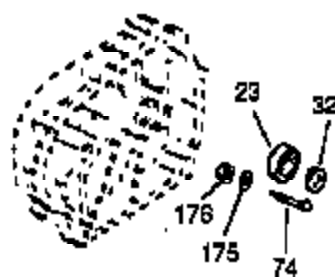
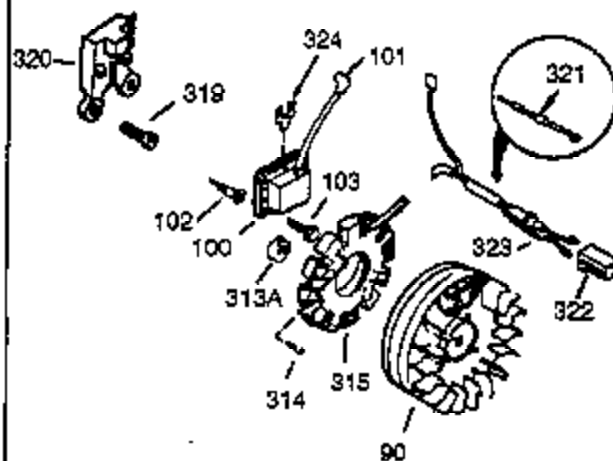
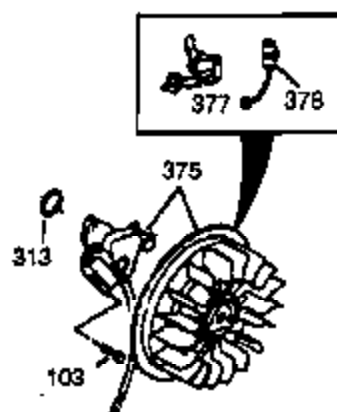
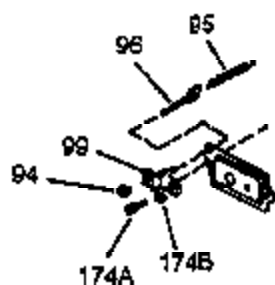
| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| | 303 33713 | | Fitting, Fuel line elbow |
| | 303A 34237 | | Fitting, Fuel |
| | 306 29673 | | * Gasket, Oil filler |
| | 316 611097 | | Alternator Coil (7 Amp, D.C.)(Incl.32 2 & 323) |
| | 327 35392 | | Plug, Starter |
| | 338A 31291 | | Plug, Cover |
| | 370 34346 | | Decal, Instruction |
| | 370 35274 | | Decal, Instruction |
| | 421 730226 | | SAE 5W30 4-Cycle Engine Oil (Quart) |
| | 422 35824 | | Muffler Optional |
| | 1159 30312 | | Screw, 10-32 x 1/2" |
| | 1160 28820 | | Screw, 10-32 x 1/2" |
| | 1160 27070 | | Lockwasher |
| | 1185 33816 | | Hub & Screen Assy. |



OPTIONAL MUFFLER
(QUIET)



OPTIONAL 110-120 VOLT
STARTER MOTOR KIT



| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|---|
| 1 | 35371 | | Cylinder (CI liner)(3-5/16")(Incl.2,2 0 & 72) |
| 2 | 27652 | | Pin, Dowel |
| 23 | 33627 | | Bearing, Ball |
| 32 | 33628 | | Washer, Thrust |
| 37A | 30322 | | Nut & Lockwasher, 8-32 |
| 64 | 650802 | | Screw, 1/4-20 x 5/8" |
| 72 | 27642 | | Plug, Oil drain |
| 74 | 31855 | | Retainer, Bearing |
| 90 | 611094 | | Flywheel (w/ring gear) (7 Amp) |
| 100 | 35135 | | Solid State Assy. |
| 101 | 610118 | | Cover, Spark plug |
| 102 | 650872 | | Stud, Solid state mounting |
| 103 | 650814 | | Screw, Torx T-15, 10-24 x 1" |
| 129 | 650727 | | Screw, 5/16-18 x 1-3/4 (Use as required) |
| 131 | 650737 | | Screw, 1/4-20 x 1/2" (Use as required) |
| 131 | 650738 | | Screw, 1/4-20 x 5/8 (Use as required) |
| 131A | 650713 | | Screw, 5/16-18 x 5/8" |
| 169 | 27896A | | * Gasket, Breather |
| 170 | 28423 | | Body, Breather |
| 171 | 28424 | | Element, Breather |
| 172 | 28425 | | Cover, Breather |
| 173 | 35350 | | Tube, Breather |
| 174 | 650128 | | Screw, 10-24 x 1/2" |
| 175 | 650778 | | Lockwasher |
| 176 | 650580 | | Nut, Lock |
| 187 | 34349A | | Flange, Carburetor mounting |
| 187A | 30196 | | Screw, 5/16-18 x 3/4" |
| 207 | 34785 | | Link, Governor lever-to-throttle |
| 222A | | | Pop Rivet (Can be purchased locally) |
| 238 | 28820 | | Screw, 10-32 x 1/2" |
| 239 | 27272A | | * Gasket, Air cleaner |
| 241 | 33266 | | Bracket, Air cleaner |
| 242 | 33267 | | Bracket, Air cleaner |
| 245 | 33268 | | Element, Air cleaner |
| 250B | 33269A | | Cover, Air cleaner |
| 251 | 650513 | | Nut, Wing 1/4-20 |
| 275B | 391026 | | Muffler (Incl. 284, 284A & 416) (This spark arrester muffler can be used on any model.) |
| 276 | 35741 | | Plate, Muffler locking |
| 277 | 650729 | | Screw, 5/16-18 x 3-3/16" (Use as required) |
| 277 | 651002 | | Screw, 5/16-18 x 4-1/4" (Use as required) |
| 301A | 410144B | | Fuel Cap (White Plastic)(Standard) (Use as required) (1.5" I.D.) |
| 301A | 33032 | | Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as required) (1.5" I.D.) |
| 301A | 34210 | | Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use as required) (1.5" I.D.) |
| 301A | 35355 | | Fuel Cap (Red Plastic)(1.75" I.D.) |
| 306 | 29673 | | * Gasket, Oil filler |
| 313A | 33876 | | Gasket, Stator (Used only on Std. point ign.) |
| 314 | 650873 | | Screw, 1/4-20 x 3/4" |
| 316 | 611097 | | Alternator Coil (7 Amp, D.C.)(Incl.32 2 & 323) |
| 319 | 650874 | | Screw, 10-32 x 15/32" |
| 320 | 611098 | | Regulator (7 Amp D.C.) |
| 322 | 610921 | | Connector, Body |
| 322 | 610824 | | Connector, Flat |

| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|--|
| 323 | 610922 | | Terminal, Female |
| 338A | 31291 | | Plug, Cover |
| 361 | 30063 | | Screw, Torx T-30, 1/4-20 x 1/2" |
| 377 | 30547A | | Breaker Points (Use with Std. point i gn.) |
| 380 | 632406 | | Carburetor (Incl. 184 & 379) (Refer to Div. 5, Sec. A, page A3-8 for breakdown or Fiche 18B, Grid D-1) |
| 421 | 730226 | | SAE 5W30 4-Cycle Engine Oil (Quart) |
| 422 | 35824 | | Muffler Optional |