

Engine Parts List #1

Ref #	Part Number	Qty	Description
	1 35968		Cylinder (CI liner)(3-5/16")(Incl.2, 20 & 72)
	2 27652		Pin, Dowel
	15B 650494		Screw, 6-40 x 5/16"
	15A 30700		Yoke, Governor
	15 30699C		Rod Assy., Governor (Incl. 15A & 15B)
	16 33454		Governor Lever Assy.
	17 29916		Clamp, Governor lever
	18 650548		Screw, 8-32 x 5/16"
	20 35319		Seal, Oil
	25 35256A		Blower Housing Baffle (With electric starter knockout) (Use as required)
	25 35326		Baffle, Blower housing
	25 29536		Blower Housing Baffle (Without electric starter knockout) (Use as required)
	26 650561		Screw, 1/4-20 x 5/8"
	30 35441A		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 35776		Piston, Pin & Ring Set (Std.)(3-3/16")
	40 35777		Piston, Pin & Ring Set (.010" OS)
	40 35778		Piston, Pin & Ring Set (.020" OS)
	41 35773		Piston & Pin Ass'y. (Std.)(3-5/16")(I ncl.43)
	41 35774		Piston & Pin Ass'y. (.010" OS) (Incl. 43)
	41 35775		Piston & Pin Ass'y. (.020" OS) (Incl. 43)
	42 35779		Ring Set (Std.) (3-5/16" Bore)
	42 35780		Ring Set (.010" OS)
	42 35781		Ring Set (.020" OS)
	43 35772		Ring, Piston Pin retaining
	45 35681		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
	62 650760		Screw, 8-32 x 3/8"
	63 28545		Grommet, Plastic
	64 650802		Screw, 1/4-20 x 5/8"
	65 650128		Screw, 10-24 x 1/2"
	69 35262		* Gasket, Flange
	70 35376		Cylinder Cover (Incl. 71, 75 & 80)
	71 35377		Bushing, Crankshaft
	72 27642		Plug, Oil drain
	75 35319		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 611090		Flywheel
	92 650880		Washer, Lock

Ref #	Part Number	Qty	Description
	93 650881		Nut, 5/8-18
	100 35135		Solid State Assy.
	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
	110 35183		Wire, Ground
	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 scr ew.)
	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)
	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"
	149 27882		Cap, Upper valve spring
	149A 34689		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
	173A 32446		Grommet, Breather tube
	173 34696		Tube, Breather
	174 650128		Screw, 10-24 x 1/2"
	178 29752		Nut & Lockwasher, 1/4-28
	182 30088A		Screw, 1/4-28 x 1"
	184 33263		* Gasket, Carburetor
	185 34707		Pipe, Intake
	200 34664		Control Bracket (Incl.19,203, 204, 206 & 209)
	203 31342		Spring, Compression
	204 650549		Screw, 5-40 x 7/16"
	207 33878		Link, Governor lever-to-throttle
	209 650821		Screw, 10-32 x 1/2"
	222A		Pop Rivet (Can be purchased locally)
	223 650378		Screw, Torx T-30, 5/16-18 x 1-1/8"
	224 27915A		* Gasket, Intake pipe
	242A 35045		Bracket, Air cleaner
	246A 34703		Filter, Pre-air
	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"

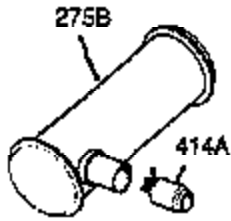
Ref #	Part Number	Qty	Description
265	33272B		Cover, Cylinder head
275	34185A		Muffler
276	31588		Plate, Muffler locking
276	35741		Plate, Muffler locking
277	650729		Screw, 5/16-18 x 3-3/16" (Use as required)
277	651002		Screw, 5/16-18 x 4-1/4" (Use as required)
281	33013		Cover, Starter bubble
282	650760		Screw, 8-32 x 7/16"
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)
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.)
305	35554		Oil Fill Tube
310B	35941		Dipstick (Incl. 306)
311	27625		Oil Fill Plug (Incl. 312)
312	29673		* Gasket, Oil filler plug
325A	29443		Clip, Fuel line
325	34246		Clip, Ground wire
327	35392		Plug, Starter
338A	31291		Plug, Cover
342	30063		Screw, Torx T-30, 1/4-20 x 1/2"
370F	34704		Decal, Instruction
370	34346		Decal, Instruction
370	35274		Decal, Instruction
370A	35532		Decal, Name
379	631021		Inlet Needle, Seat & Clip Assy.
380	632486		Carburetor (Incl. 184 & 379) (Refer to Division 5, Section A, page A4-4 for breakdown or Fiche 18B, Grid D-3)
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



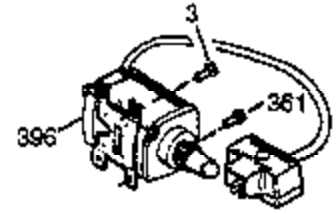
Ref #	Part Number	Qty	Description
37A	30322		Nut & Lockwasher, 8-32
62	650760		Screw, 8-32 x 3/8"
63	28545		Grommet, Plastic
64	650802		Screw, 1/4-20 x 5/8"
68	33356		Tab, Ground terminal
129	650727		Screw, 5/16-18 x 1-3/4 (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
131	650738		Screw, 1/4-20 x 5/8 (Use as required)
222A			Pop Rivet (Can be purchased locally)
242A	35045		Bracket, Air cleaner
246A	34703		Filter, Pre-air
274	35865		Gasket, Exhaust
275	34185A		Muffler
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)
290	29774		Fuel Line (Braided 8-1/4")(21cm)(As required)
290	30962		Fuel Line (Braided 32")(80cm)(As required)
292	26460		Fuel Line Clamp (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.)
310B	35941		Dipstick (Incl. 306)
338A	31291		Plug, Cover
342	30063		Screw, Torx T-30, 1/4-20 x 1/2"
370F	34704		Decal, Instruction
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



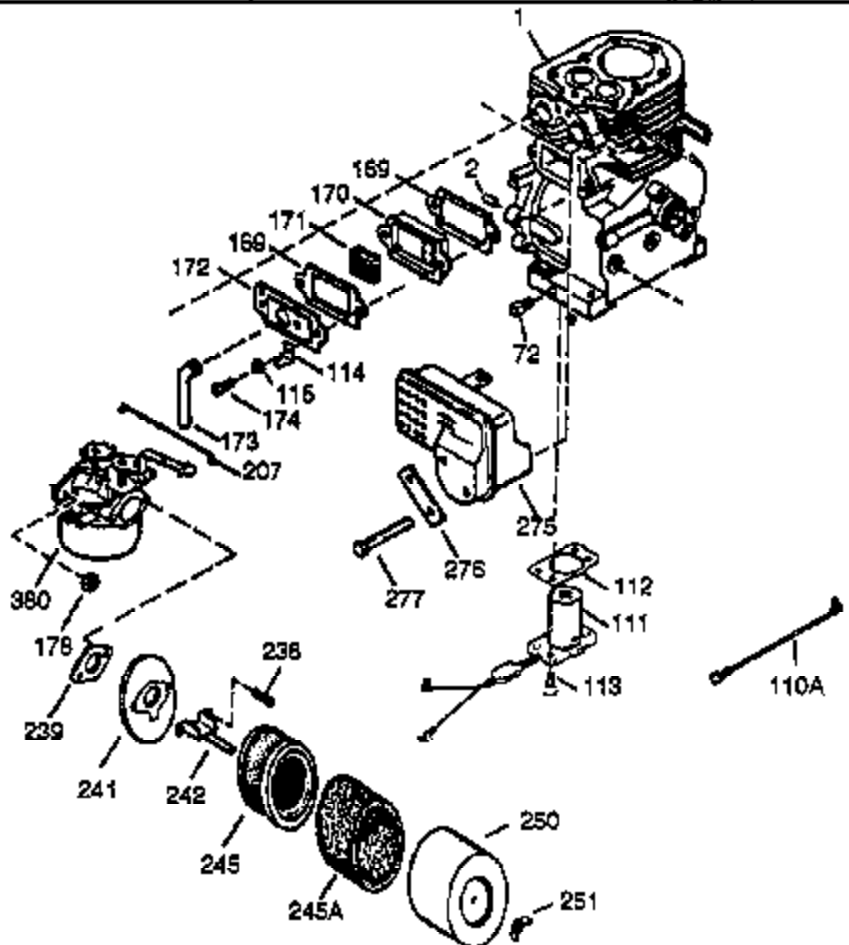
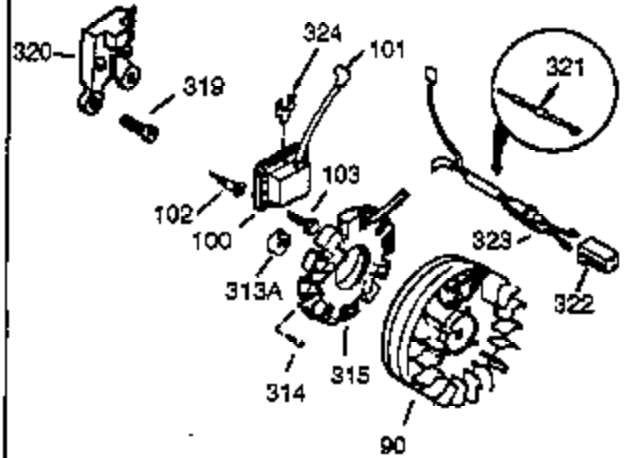
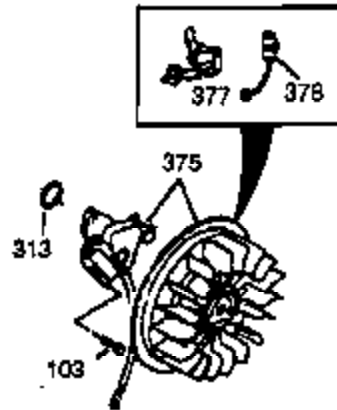
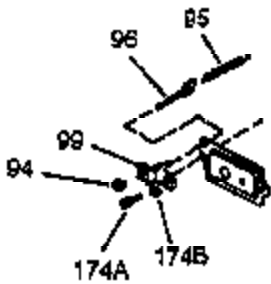
Ref #	Part Number	Qty	Description
37A	30322		Nut & Lockwasher, 8-32
64	650802		Screw, 1/4-20 x 5/8"
129	650727		Screw, 5/16-18 x 1-3/4 (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
131	650738		Screw, 1/4-20 x 5/8 (Use as required)
200B	730152		Control Bracket (Incl.1158-1171)(As req.)
203	31342		Spring, Compression
204	650549		Screw, 5-40 x 7/16"
222A			Pop Rivet (Can be purchased locally)
225	35043		Tube Assy., Carburetor
225A	631334		Gasket, Carburetor
227A	35044		A/C Elbow Assy.(Incl.222A,228,234A,239A,241)
227	730127		Air Cleaner Ass'y. (Incl. 238, 239, 242, 246, 250) (Use as required)
228A	650851		Stud, 1/4-20 x 8.1
229A	650852		Nut, 1/4-20
234A	650825		Nut & Lockwasher, 1/4-20
235A	30675		Fitting, Breather tube
238A	650163		Screw, 10-32 x 7/8"
239A	34698A		Gasket, Air cleaner
239	27272A		* Gasket, Air cleaner
241	34699		Bracket, Air cleaner
242A	35045		Bracket, Air cleaner
245A	34700		Element & Bracket Assy. (Incl. 234A)
246A	34703		Filter, Pre-air
250	35602		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	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	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.)
303	32958		Fitting, Fuel
310B	35941		Dipstick (Incl. 306)
327	35392		Plug, Starter
338A	31291		Plug, Cover
370	34346		Decal, Instruction
370	35274		Decal, Instruction
370F	34704		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 35968		Cylinder (Cl liner)(3-5/16")(Incl.2, 20 & 72)
	2 27652		Pin, Dowel
	37A 30322		Nut & Lockwasher, 8-32
	64 650802		Screw, 1/4-20 x 5/8"
	72 27642		Plug, Oil drain
	90 611090		Flywheel
	94 33450		Lock Nut, 10-32
	95 30886A		Spring, Governor bolt
	96 30845A		Bolt, Governor adjusting
	100 35135		Solid State Assy.
	102 650872		Stud, Solid state mounting
	103 650814		Screw, Torx T-15, 10-24 x 1"
	110A 35987		Wire & Terminal Assy., Low Oil Shutdo wn
	111 611162		Low Oil Shut-down Device (Incl. 112)
	112 35967		Gasket, Low Oil Shut-down Device
	113 650950		Screw, Torx T-25, 10-24 x 5/8"
	114 33932		Terminal, Ground
	115 650518		Washer, Lock
	129 650727		Screw, 5/16-18 x 1-3/4 (Use as requir ed)
	131 650737		Screw, 1/4-20 x 1/2" (Use as required)
	131 650738		Screw, 1/4-20 x 5/8 (Use as required)
	169 27896A		* Gasket, Breather
	170 28423		Body, Breather
	171 28424		Element, Breather
	172 28425		Cover, Breather
	173 34696		Tube, Breather
	174 650128		Screw, 10-24 x 1/2"
	178 29752		Nut & Lockwasher, 1/4-28
	207 33878		Link, Governor lever-to-throttle
	222A		Pop Rivet (Can be purchased locally)
	239 27272A		* Gasket, Air cleaner
	241 34699		Bracket, Air cleaner
	242A 35045		Bracket, Air cleaner
	245A 34700		Element & Bracket Assy. (Incl. 234A)
	246A 34703		Filter, Pre-air
	250 35602		Cover, Air Cleaner
	251 650513		Nut, Wing 1/4-20
	275B 391026		Muffler (Incl. 284, 284A & 416) (This spark arrester mufflercan be used on any model.)
	275 34185A		Muffler
	276 31588		Plate, Muffler locking
	276 35741		Plate, Muffler locking
	277 650729		Screw, 5/16-18 x 3-3/16" (Use as requi ired)
	277 651002		Screw, 5/16-18 x 4-1/4" (Use as requi red)
	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.)
	310B 35941		Dipstick (Incl. 306)
	313A 33876		Gasket, Stator (Used only on Std. poi nt ign.)
	324 33177		Terminal
	338A 31291		Plug, Cover
	370F 34704		Decal, Instruction
	377 30547A		Breaker Points (Use with Std. point i gn.)
	380 632486		Carburetor (Incl. 184 & 379) (Refer to Division 5, Section A, page A4-4 for breakdown or Fiche 18B, Grid D-3)

Ref #	Part Number	Qty	Description
421	730226		SAE 5W30 4-Cycle Engine Oil (Quart)
422	35824		Muffler Optional