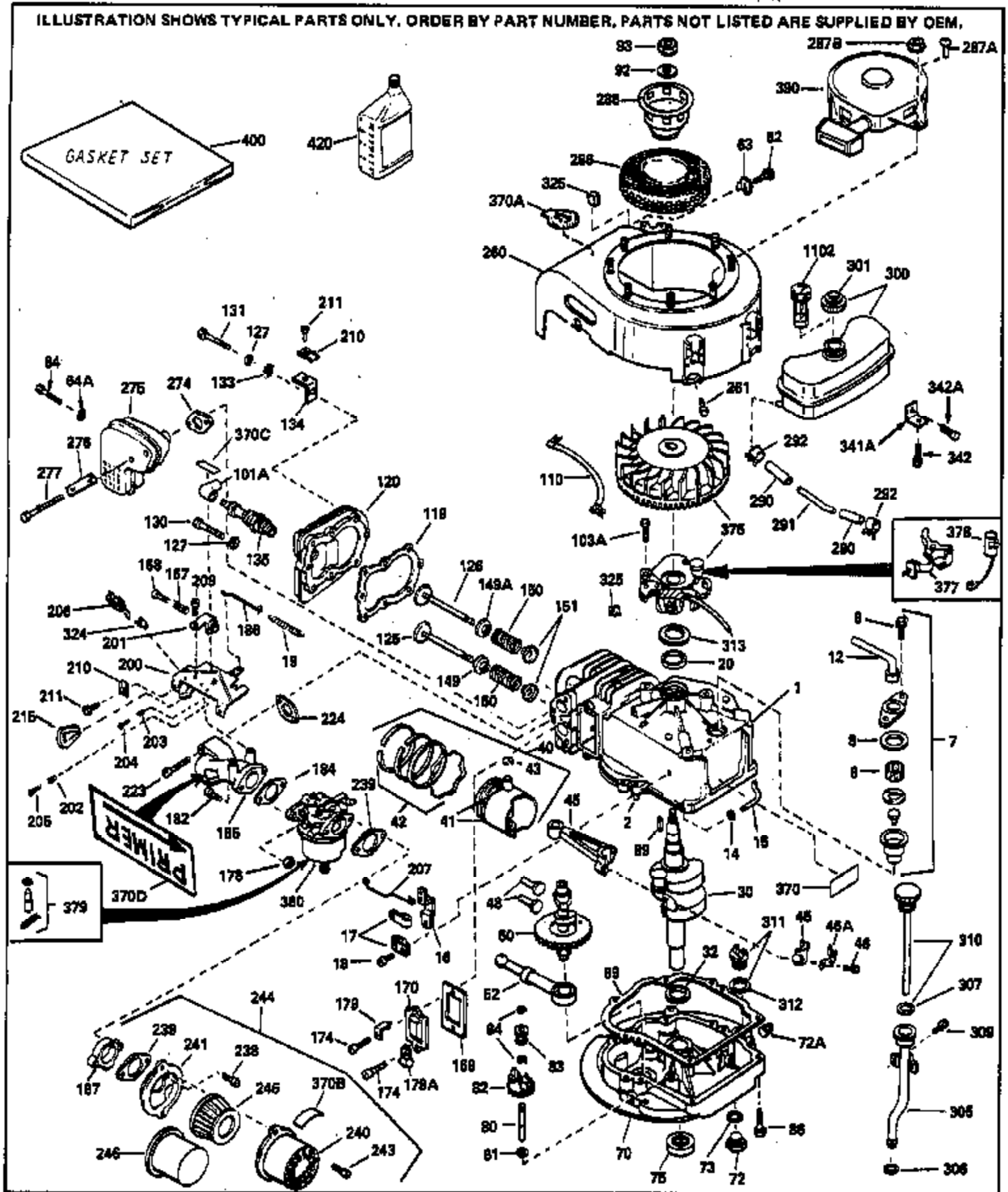




Ref #	Part Number	Qty	Description
1	33968B		Cylinder (Incl. 2 & 20) (2-13/16" Bore)
2	26727		Pin, Dowel
6	33734		Element, Breather
7	34214A		Breather Ass'y. (Incl. 6, 8, 9 & 12)
8	33735		* Gasket, Breather
9	30200		Screw, 10-24 x 9/16"
12	33886		Tube, Breather
14	28277		Washer, Flat
15	31513		Rod, Governor
16	32651		Lever, Governor
17	31335		Clamp, Governor (Clamp is positioned toward spark plug end on 1977-78 and later models. It is positioned opposite spark plug end on earlier models.)
18	650548		Screw, 8-32 x 5/16"
19	31386		Spring, Governor
20	32600		Seal, Oil
30	33532		Crankshaft Ass'y.
40	34535		Piston, Pin & Ring Set (Std.) (2-13/16")
40	34536		Piston, Pin & Ring Set (.010" OS)
40	34537		Piston, Pin & Ring Set (.020" OS)
41	33562B		Piston & Pin Ass'y. (Std.) (Incl. 43) (2-13/16")
41	33563B		Piston & Pin Ass'y. (.010" OS) (Incl. 43)
41	33564B		Piston & Pin Ass'y. (.020" OS) (Incl. 43)
42	33567		Ring Set (Std.) (2-13/16" Bore)
42	33568		Ring Set (.010" OS)
42	33569		Ring Set (.020" OS)
43	20381		Ring, Piston pin retaining
45	32875		Rod Assy., Connecting (Incl. 18)
46	32610		Bolt, Connecting rod (Early Production)
46	32610A		Bolt, Connecting rod
46A	32609		Plate, Lock (Do not use with No. 32610A locking type bolt.)
48	27241		Lifter, Valve
50	33553		Camshaft (MCR)
52	29914		Pump Assy., Oil
69	35261		* Gasket, Mounting flange
70	33530B		Flange Ass'y. (Incl. 58, 72, 72A, 80 & 311)
72	30572		Plug, Oil drain (Incl. 73)
73	28833		* Drain Plug Gasket (Not used w/ plastic plug)
75	26208		Seal, Oil
80	30574		Shaft, Mechanical governor
81	30590A		Washer, Flat
82	30591		Gear Assy., Governor (Incl. 81)
83	30588A		Spool, Governor
84	29193		Ring, Retaining
86	650488		Screw, 1/4-20 x 1-1/4"
89	610951		Key, Flywheel
92	650815		Washer, Belleville
93	650607		Nut, Flywheel
103A	650489		Screw, 1/4-20 x 5/8"
110	34231		Wire, Ground
119	33554A		* Gasket, Cylinder head
120	33016A		Head, Cylinder (Incl. 131)
125	29313C		Exhaust Valve (Std.) (Incl. 151) (Conventional Ports)
125	29315C		Exhaust Valve (1/32" OS) (Incl. 151) (Conventional Ports)
126	29314B		Intake Valve (Std.) (Incl. 151) (Conventional Ports)
126	29315C		Intake Valve (1/32" OS) (Incl. 151) (Conventional Ports)
127	26073		Washer, Flat (Not used on late production)

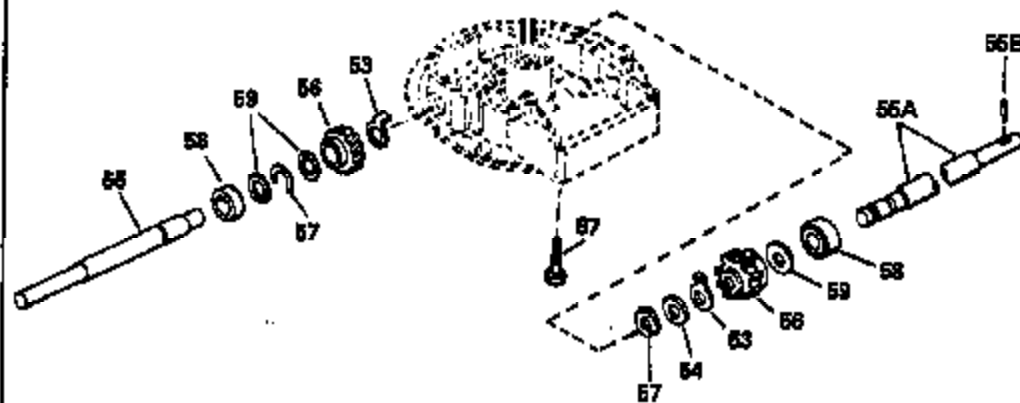
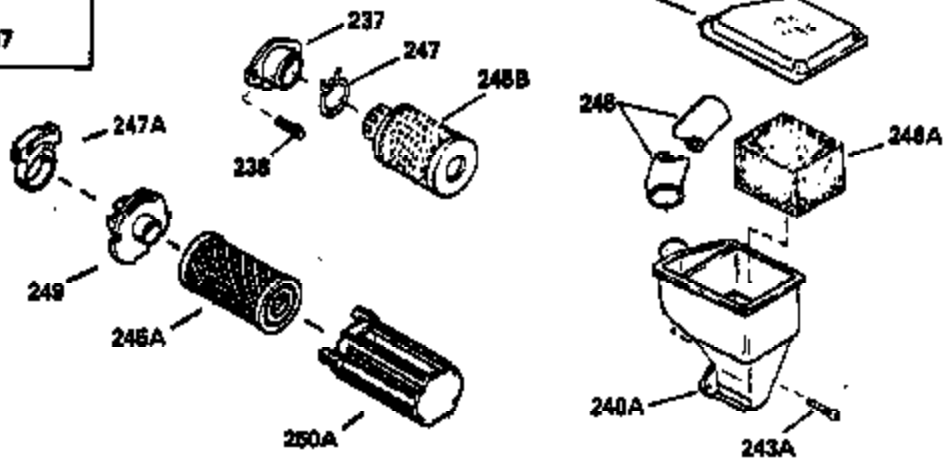
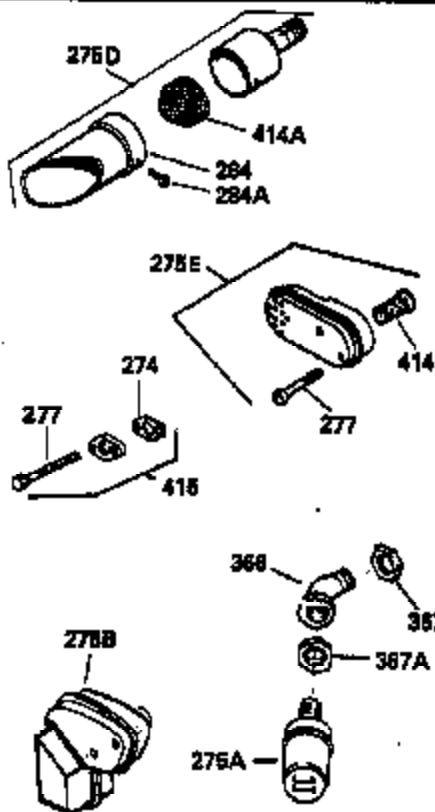
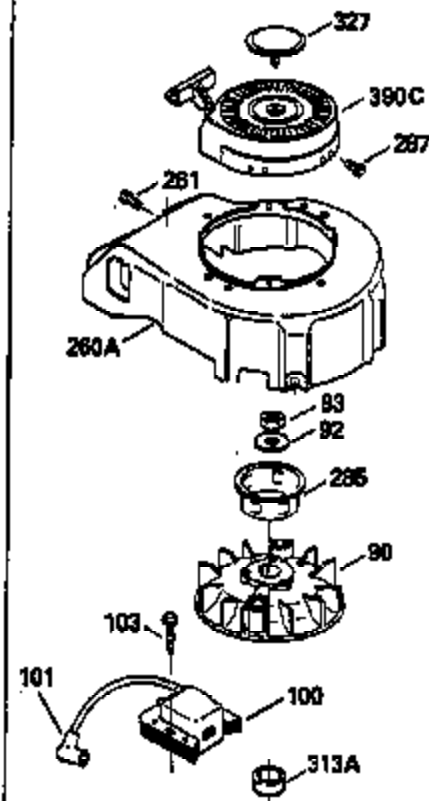
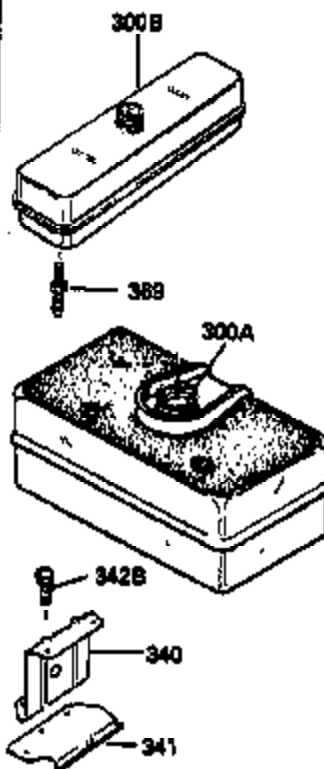
Engine Parts List #1

Ref #	Part Number	Qty	Description
127	650691		Washer, Flat (Use as required)
130	650818		Screw, 5/16-18 x 1-1/2" (Use as required)
130	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
131	650694A		Screw, 5/16-18 x 2" (Use as required)
135	33636		Plug, Spark (J-8C)
149A	31671		Cap, Upper valve spring (Intake)
149	31671		Upper Cap (Int. & Ex.)(Early Production)
150	31672		Spring, Valve
151	31673		Cap, Lower valve spring
169	27234A		* Gasket, Valve spring cover
170	32755		Cover, Valve spring box
174	650128		Screw, 10-24 x 1/2"
178	29752		Nut & Lockwasher Assy.
179	30593		Clip, Magneto wire
182	6201		Screw, 1/4-28 x 7/8"
184	26756		* Gasket, Carburetor
185	33004A		Pipe, Intake (Incl. 224)
186	32653		Link, Governor spring
200	33131A		Speed Control (Incl. 202 thru 206)
202	33802		Spring, Compression
203	31342		Spring, Compression
204	650549		Screw, 5-40 x 7/16"
205	650777		Screw, 6-32 x 21/32"
206	610973		Terminal Assy. (Use as required)
207	33133		Link, Throttle
209	30200		Screw, 10-24 x 9/16"
210	27793		Clip, Conduit
211	28942		Screw, 10-32 x 3/8"
223	650451		Screw, 1/4-20 x 1"
224	32649A		* Gasket, Intake
239	33051		* Gasket, Air cleaner
244	730164		Cleaner Kit (Incl. 238 thru 245 & 370 B) (Use as required)
260	32455B		Housing, Blower NOTE: Replacement hardware may differ when servicing starter Assy. or blower housing. Refer to Service Bulletin 508.
261	650561		Screw, 1/4-20 x 5/8"
274	26754A		* Gasket, Exhaust (Use as required)
277	650795		Screw, 1/4-20 x 2-1/4"
277	30063		Screw, 1/4-20 x 1/2" (Use as required)
286A	32237		Screen, Starter
287B	29752		Nut & Lockwasher 1/4-28 (Use as required)
287A	650639		Rivet, Open end
290	29774		Fuel Line (Braided 8-1/4") (21 cm)
290	30705		Fuel Line (Braided 16") (40 cm)
292	26460		Clamp, Fuel line
300	32170A		Tank Assy., Fuel (Incl. 292 & 301)
301	410144B		Cap, Fuel (Standard) (Use as required)
301	33032		Cap, Fuel (Use as required)
306	34282		"O" Ring (This "O" ring is required with metal fill tube only when replacement mounting flange with .777 dia. oil fill hole has been used.)
311	27625		Plug, Oil filler (Incl. 312)
312	29673		* Gasket, Filler plug
313	33876		Gasket, Stator
325	27275		Clip, Wire retaining
325	33685		Clip, Wire retaining (Early Production)
370A	550223		Decal, Name

Ref #	Part Number	Qty	Description
370	34346		Decal, Instruction
375	610964		Magneto (w/ring gear) NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list. (Refer to Division 5, Section B, page 35 or Fiche 6, Grid F-13 for breakdown)
377	30547A		Contact Assy., Breaker
378	30548B		Condenser
379	631021		Inlet Needle, Seat & Clip Assy.
380	631843		Carburetor (Incl. 184) (Refer to Division 5, Section A, page 132 or Fiche 6 Grid E-9 for breakdown)
400	33740D		* Gasket Set (Incl. items marked *)
420	730225		SAE 30, 4-Cycle Engine Oil (Quart)

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or valve. The components are labeled with reference numerals:

- 389A**: A small pin or screw at the top center.
- 358**: A bracket or support piece below 389A.
- 381**: A vertical rod or shaft passing through a central assembly.
- 385A**: A cylindrical component with a flange, part of the central assembly.
- 287**: A large, curved, bracket-like component on the left side.
- 390B**: A small circular component located between 287 and 358.
- 327B**: A small cylindrical component below 390B.
- 286A**: A large circular disc or plate with a central hole.
- 327A**: A small circular component on the disc 286A.
- 383**: A small circular component below 286A.
- 386**: A vertical rod or shaft passing through a central assembly, similar to 381.
- 381**: A small pin or screw at the top right of the central assembly.
- 392**: A curved bracket or support piece on the bottom left.
- 285B**: A large, textured circular component below 392.
- 1113**: A small pin or screw at the top center of the bottom assembly.
- 1113A**: A small rectangular component below 1113.
- 390A**: A small circular component below 1113A.
- 287**: A small pin or screw at the bottom right of the bottom assembly.



Engine Parts List #2

Ref #	Part Number	Qty	Description
53	31745		Washer, Tang
54	31787		Washer, Flat
55A	31766		Shaft, P.T.O. (Incl. 54)
56	33401		Right Hand Worm Gear
57	31749		Ring, Retaining
58	31744		Seal, Oil
59	31747		Washer, Flat
87	650492		Screw, 1/4-20 x 2-1/4"
92	650815		Washer, Belleville
93	650607		Nut, Flywheel
240A	33005		Body, Air cleaner
243A	650707		Screw
246A	33006		Element, Air cleaner
248	33008		Tube, Air cleaner
250	33007		Cover, Air cleaner
261	650561		Screw, 1/4-20 x 5/8"
274	26754A		* Gasket, Exhaust (Use as required)
275D	391026		Muffler (Incl. 284, 284A & 414A) (This spark arrester muffler can be used on any model with a 3/4-14 tapped exhaust port.)
277	650795		Screw, 1/4-20 x 2-1/4"
277	30063		Screw, 1/4-20 x 1/2" (Use as required)
284	33700		Cover & Tube, Muffler (Use as required)
284A	650578		Screw, 8-18 x 3/8" (Use as required)
286A	32237		Screen, Starter
287			Pop Rivet(Purchase locally)(Use as required)
327B	32236		Plug, Screen
361	650737		Screw, 1/4-20 x 1/2"
390A	590450A		Starter, Side mount rewind NOTE: Replacement hardware may differ when servicing starter assy. or blower housing. Refer to Service Bulletin 508. (Refer to Division 5, Section C, page 27 or Fiche 6, Grid G-4 for breakdown)
414	391022		Screen, Muffler
414A	33323		Screen, Muffler (Use as required)
415	730162		Muffler Adapter Kit (Incl. 121 & 128) (Conventional Ports)
415	730165		Muffler Adapter Kit (Incl. 274 & 277) NOTE: This muffler adapter can be used only on models which have exhaust port on top (above intake). (Inverted Ports)
1113			Rivet, Open end (Can be purchased locally)
1113	590441		Bracket Assy.