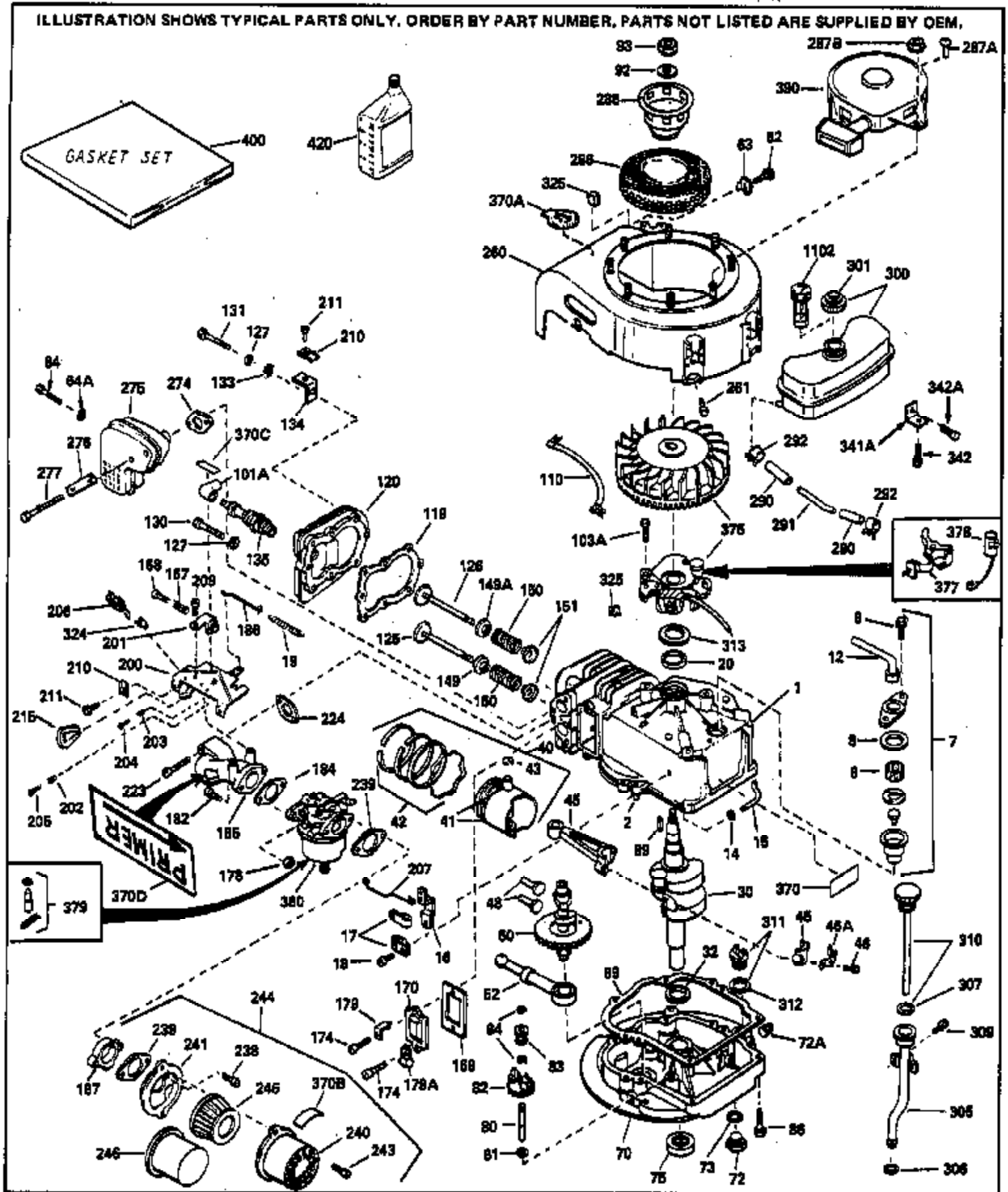




Engine Parts List #1

Ref #	Part Number	Qty	Description
1	33729A		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	31361		Spring, Governor
20	32600		Seal, Oil
30	34832		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	33154		Camshaft
52	29914		Pump Assy., Oil
64A	8345		Washer, Flat 1/4"
64	30063		Screw, 1/4-20 x 1/2"
69	35261		* Gasket, Mounting flange
70	33521C		Flange Ass'y. (Incl. 58, 72, 75, 80 & 306)
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	610961		Key, Flywheel
92	650815		Washer, Belleville
93	650816		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	32644A		Intake Valve (Std.) (Incl. 151) (Inverted Ports)
125	32645A		Intake Valve (1/32" OS) (Incl. 151) (Inverted Ports)
126	29313C		Exhaust Valve (Std.) (Incl. 151) (Inverted Ports)

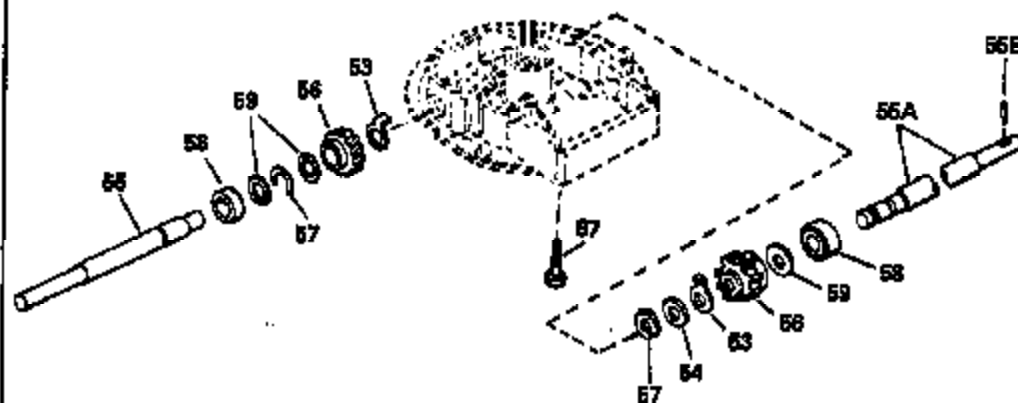
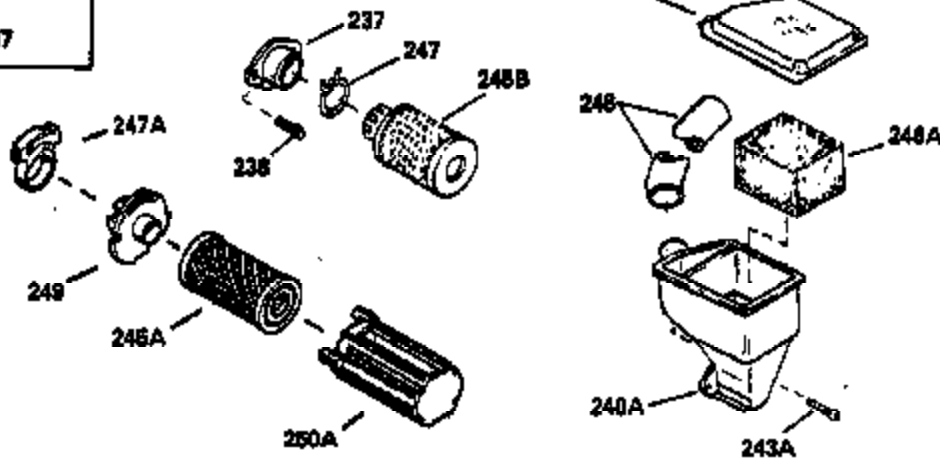
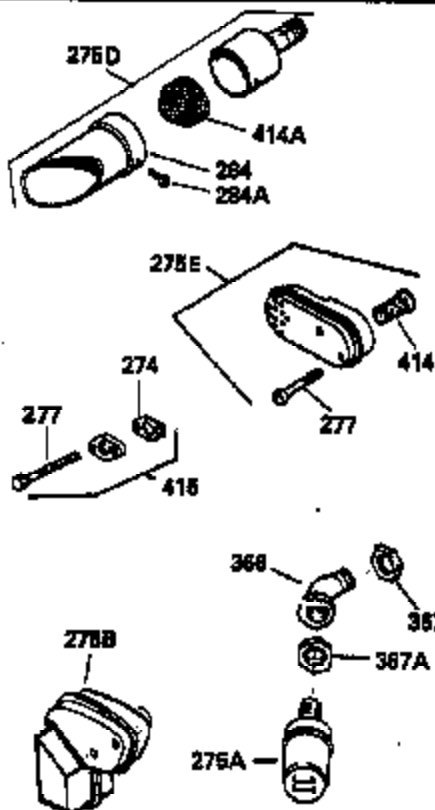
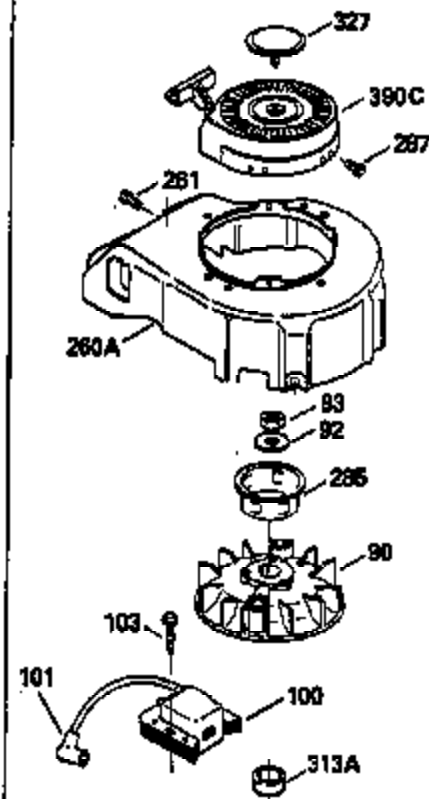
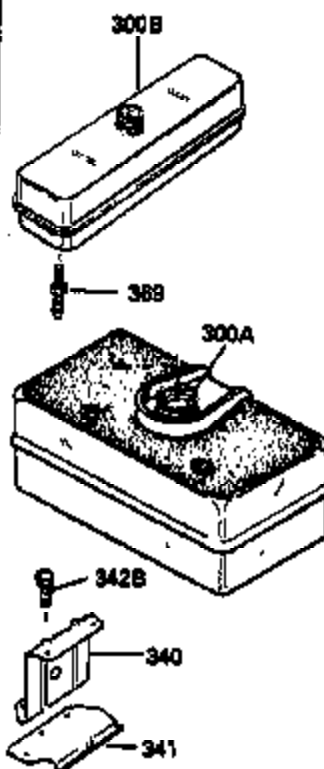
Ref #	Part Number	Qty	Description
126	29315C		Exhaust Valve (1/32" OS) (Incl. 151) (Inverted Ports)
127	26073		Washer, Flat (Not used on late production)
127	650691		Washer, Flat (Use as required)
130	650818		Screw, 5/16-18 x 1-1/2" (Use as required)
130	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
131	650694A		Screw, 5/16-18 x 2" (Use as required)
135	33636		Plug, Spark (J-8C)
149	31671		Upper Cap (Int. & Ex.)(Early Production)
149A	33678		Cap, Upper valve spring (Exhaust)
150	31672		Spring, Valve
151	31673		Cap, Lower valve spring
167	32924		Spring, Compression
168	650688		Screw, 10-32 x 1"
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.
179A	34262		Clamp
179	30593		Clip, Magneto wire
182	30088A		Screw, 1/4-28 x 1"
185	33739		Pipe, Intake
186	34358		Link, Governor spring
200	33155A		Control Assy., Speed (Incl. 206)
201	33150		Bracket, Control
206	610973		Terminal Assy. (Use as required)
207	34336		Link, Throttle
209	30200		Screw, 10-24 x 9/16"
210	27793		Clip, Conduit
211	28942		Screw, 10-32 x 3/8"
223	650142		Screw, 1/4-20 x 1-1/8"
224	33751A		* Gasket, Intake
238	650709		Screw, 10-32 x 7/16"
239	27272A		* Gasket, Air cleaner
244	730164		Cleaner Kit (Incl. 238 thru 245 & 370 B) (Use as required)
260	33738D		Housing, Blower NOTE: Replacement hardware may differ when servicing starter Assy. or blower housing. Refer to Service Bulletin 508.
261	650831		Screw, 1/4-20 x 15/32"
274	26754A		* Gasket, Exhaust (Use as required)
274	33670A		* Gasket, Exhaust
275	35771		Muffler (Incl. 274)
277	30063		Screw, 1/4-20 x 1/2" (Use as required)
277	650774		Screw, 1/4-20 x 2-3/8"
285	34694		Cup, Starter
286	33668		Screen, Starter cup
287B	29752		Nut & Lockwasher 1/4-28 (Use as required)
290	29774		Fuel Line (Braided 8-1/4") (21 cm)
290	30705		Fuel Line (Braided 16") (40 cm)
292	26460		Clamp, Fuel line
301	410144B		Cap, Fuel (Standard) (Use as required)
301	33032		Cap, Fuel (Use as required)
305	34318		Tube Assy., Oil filler (Plastic)
306	34265		Gasket, Oil fill tube
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.)
307	33590		"O" Ring

Ref #	Part Number	Qty	Description
309	650562		Screw, 10-32 x 1/2"
310	34319		Dipstick, Oil (Incl. 307) (Twist Lock)
313	33876		Gasket, Stator
325	27275		Clip, Wire retaining
325	33685		Clip, Wire retaining (Early Production)
370	34346		Decal, Instruction
375	611025		Magneto 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 39 or Fiche 6 Grid G-14 for breakdown)
377	30547A		Contact Assy., Breaker
378	30548B		Condenser
379	631021		Inlet Needle, Seat & Clip Assy.
380	632010		Carburetor (Incl. 184) (Refer to Division 5, Section A, page 150 or Fiche 6 Grid F-1 for breakdown)
390	590420		Starter, 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 25 or Fiche 6, Grid G-3 for breakdown)
400	33740D		* Gasket Set (Incl. items marked *)
420	730225		SAE 30, 4-Cycle Engine Oil (Quart)

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This exploded view diagram illustrates the assembly of a mechanical component. The parts are labeled with reference numerals as follows:

- 389A**: A small pin or screw at the top center.
- 358**: A small pin or screw below 389A.
- 387**: A small pin or screw on the right side.
- 395A**: A cylindrical component with a flange.
- 287**: A bracket or support arm on the left.
- 390B**: A component below 287.
- 327B**: A small cylindrical part in the middle left.
- 286A**: A circular disc or plate.
- 327A**: A circular component with a central hole.
- 385**: A small pin or screw on the right.
- 361**: A small pin or screw on the right.
- 383**: A small cup-like component.
- 1113**: A small pin or screw at the bottom right.
- 1113A**: A small component below 1113.
- 390A**: A component below 1113A.
- 285B**: A circular component with a textured surface at the bottom left.
- 392**: A small pin or screw on the left.
- 287**: A small pin or screw at the bottom right.



Ref #	Part Number	Qty	Description
53	31745		Washer, Tang
54	31787		Washer, Flat
55A	33774		Shaft, P.T.O.
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	650816		Nut, Flywheel
237	32971		Adapter, Air cleaner (paper)
238	650709		Screw, 10-32 x 7/16"
245B	32972		Element, A.C.
247	33168		Clamp, Corbin
261	650831		Screw, 1/4-20 x 15/32"
274	26754A		* Gasket, Exhaust (Use as required)
274	33670A		* Gasket, Exhaust
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	30063		Screw, 1/4-20 x 1/2" (Use as required)
277	650774		Screw, 1/4-20 x 2-3/8"
284A	650578		Screw, 8-18 x 3/8" (Use as required)
284	33700		Cover & Tube, Muffler (Use as required)
285	34694		Cup, Starter
287			Pop Rivet(Purchase locally)(Use as required)
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)