



Engine Parts List #1

Ref #	Part Number	Qty	Description
1	33027B		Cylinder (Incl. 2, 8, 9 & 20) (2-5/8" Bore)
2	26727		Pin, Dowel
6	33734		Element, Breather
7	34214A		Breather Assy. (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	30589		Rod, Governor (Incl. 14)
16	32651		Lever, Governor
17	31335		Clamp, Governor lever (Clamp is positioned towardspark plug end on 1977-78 and latermodels. It is positioned opposite spark plugend on earlier models.)
18	650548		Screw, 8-32 x 5/16"
19	31386		Spring, Governor
20	32600		Seal, Oil
30	34567		Crankshaft
32	32323		Washer, Thrust
40	34851		Piston, Pin & Ring Set (Std.) (2-5/8" Bore)
40	34852		Piston, Pin & Ring Set (.010" OS)
40	34853		Piston, Pin & Ring Set (.020" OS)
41	32603B		Piston & Pin Ass'y.(Std.)(Incl. 43)(2 -5/8")
41	32604B		Piston & Pin Ass'y. (.010" OS) (Incl. 43)
41	32605B		Piston & Pin Ass'y. (.020" OS) (Incl. 43)
42	34854		Ring Set (Std.) (2-5/8" Bore)
42	34855		Ring Set (.010" OS)
42	34856		Ring Set (.020" OS)
43	20381		Ring, Piston pin retaining
45	32875		Rod Assy., Connecting (Incl. 18)
46	32610		Connecting Rod Bolt (Early Production)
46	32610A		Bolt, Connecting rod
46A	32609		Plate, Lock (Do not use with 32610A locking type screw)
48A	27241		Lifter, Intake valve
48	27241		Lifter, Exhaust valve
50	33154		Camshaft
52	29914		Pump Assy., Oil
60	29745		Extension, Blower housing
64	30063		Screw, Torx T-30, 1/4-20 x 1/2"
64A	8345		Flatwasher, 1/4"
66	30063		Screw, Torx T-30, 1/4-20 x 1/2"
69	35261		* Gasket, Mounting flange
70	32612A		Flange Ass'y. (Incl. 72, 75 & 80)
72	30572		Plug, Oil drain (Incl. 73)
72A	9556		Oil Drain Plug (Use as required)
73	28833		* Drain Plug Gasket (Do not use w/plast ic plug)
75	27897		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
101	610118		Cover, Spark plug
103A	650516		Screw, 1/4-20 x 1-1/8"

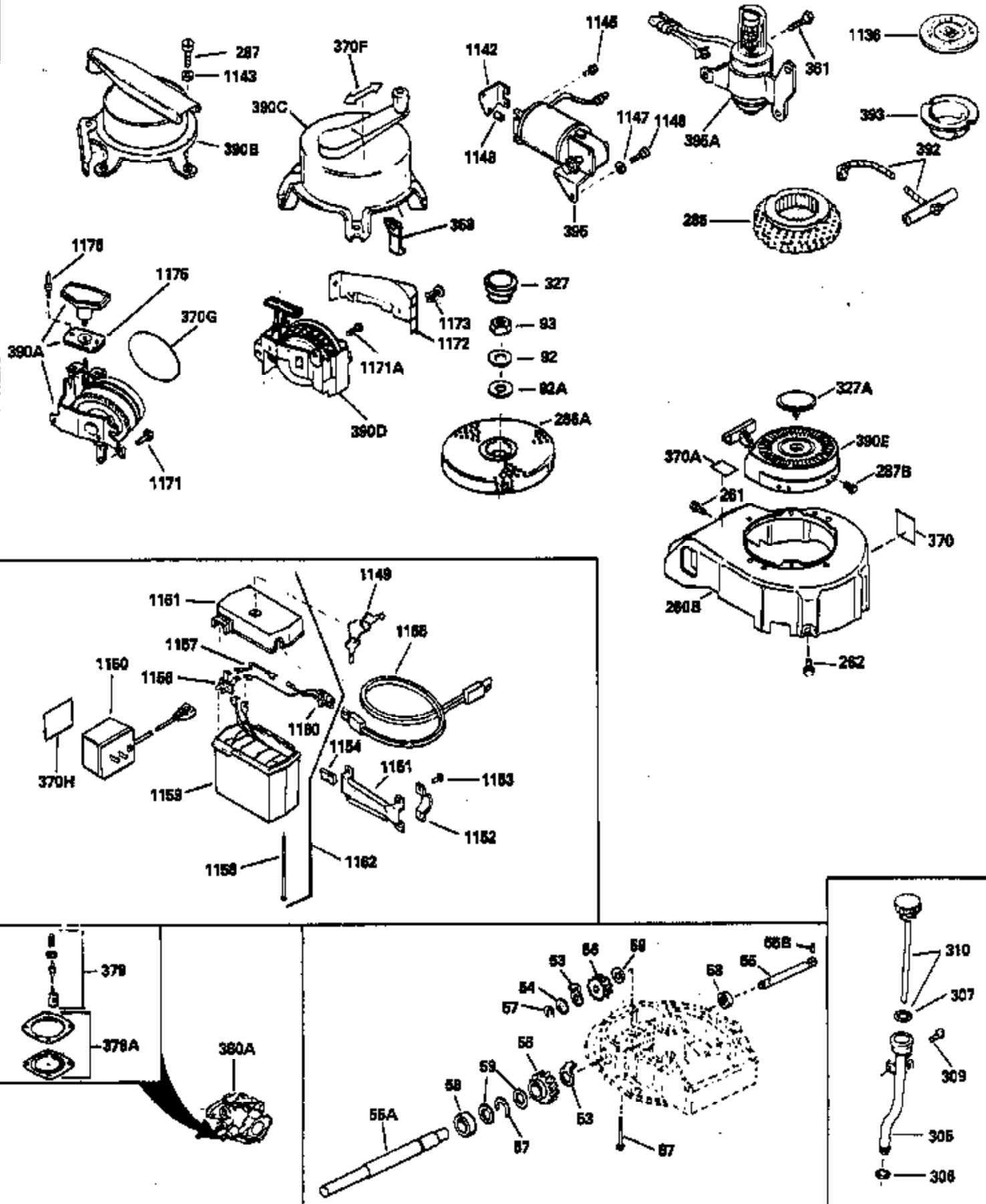
Engine Parts List #1

Ref #	Part Number	Qty	Description
110	34231		Ground Wire
119	33015A		* 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)
126	29315C		Exhaust Valve (1/32" OS)(Incl. 151) (Inverted Ports)
127	26073		Washer (Not used in late production)
127	650691		Washer (Used on late production)
130	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
130	650818		Screw, 5/16-18 x 1-1/2" (Use as required)
131	650694A		Screw, 5/16-18 x 2" (Use as required)
131	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
135	34251		Resistor Spark Plug (RJ17LM)
149	31671		Valve Spring Cap) (Used in early production)
150	31672		Spring, Valve
151	31673		Cap, Lower valve spring
169	27234A		* Gasket, Valve spring cover
174	650128		Screw, 10-24 x 1/2"
178	29752		Nut & Lockwasher, 1/4-28
179	30593		Clip, Magneto wire
181	6201		Screw, 1/4-28 x 7/8"
182	6201		Screw, 1/4-28 x 7/8"
184	26756		* Gasket, Carburetor
185	32650		Pipe, Intake
186	34337		Link, Governor spring
200	32264A		Control Bracket (Incl. 203, 204 & 206)
203	31342		Spring, Compression
204	650549		Screw, 5-40 x 7/16"
206	610973		Terminal Assy.
207	34336		Link, Governor-to-throttle
209	30200		Screw, 10-24 x 9/16"
215	32410		Knob, Speed control
223	650664		Screw, 1/4-20 x 1-19/32"
224	32649A		* Gasket, Intake
239	34338		* Gasket, Air cleaner
240B	33005		Body, Air cleaner
246B	33006		Element, Air cleaner
248	33008		Tube, Air cleaner
250A	33007		Cover, Air cleaner
260	33738D		Blower Housing 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
275	35771		Muffler (Incl. 274)
277	30063		Screw, Torx T-30, 1/4-20 x 1/2" (Use as req.)
285A	34694		Cup, Starter
286	33668		Screen, Starter cup
287A	29752		Nut & Lockwasher, 1/4-28 (Use as required)
287	29716		Screw, 1/4-28 x 7/16" (Use as required)
287	30513		Screw & Lockwasher, 1/4-28 x 1/2"
287			Pop Rivet (Purchase locally) (3/16" dia.)
290	29774		Fuel Line(Braided 8-1/4")(21 cm)(Use as req.)
290	34357		Fuel Line (Epichlorohydrin 6-3/4") (1 7 cm)
290	30705		Fuel Line (Braided 16")(40 cm)(Use as req.)
292	26460		Fuel Line Clamp (Use as required)

Engine Parts List #1

Ref #	Part Number	Qty	Description
300	32671		Fuel Tank (Incl. 292 & 301)
301	410144B		Fuel Cap (Std.) (Use as required)
301	33032		Fuel Cap (Use as required)
301	34210		Fuel Cap (use as required)
311	27625		Plug, Oil filler (Incl. 312)
312	29673		* Gasket, Oil filler
313	33876		Gasket, Stator
325A	27275		Clip, Hi-tension wire (Use as require d)
341	35016		Bracket, Tank
342	650665		Screw, 1/4-15 x 7/8"
342A	650735		Screw, 10-24 x 3/8"
370	34346		Decal, Instruction
370C	35344		Decal, Speed control
370A	550223		Name & Instruction Decal
375	611027		Magneto NOTE: This magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts breakdown. Refer to Division 5, Section B, page38 or Fiche 6, Grid F-14 for breakdown)
377	30547A		Contact Assy., Breaker
378	30548B		Condenser
379	631021		Inlet Needle, Seat & Clip Assy.
380	631597		Carburetor (Incl. 184) Refer to Division 5, SectionA, page 104 or Fiche 6, Grid E-1 for breakdown)
390	590420A		Rewind Starter 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	33238D		* Gasket Set (Incl. items marked *)
420	730225		SAE 30 4-Cycle Engine Oil (Quart)

ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



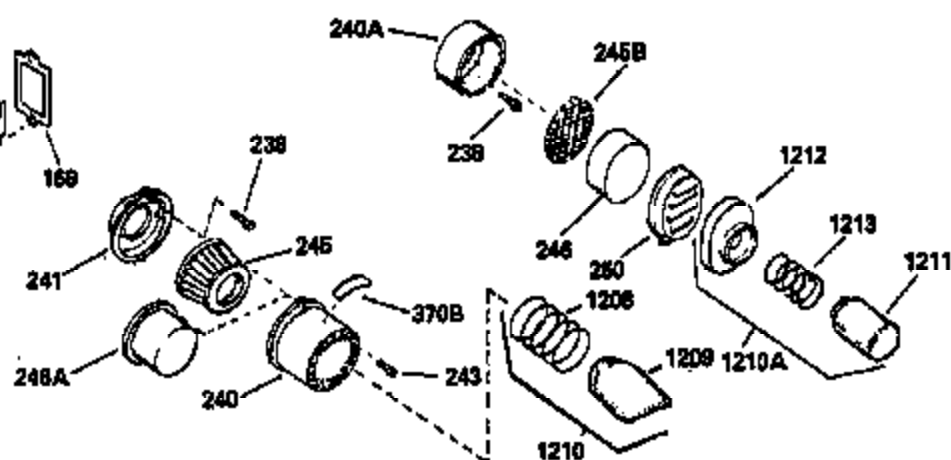
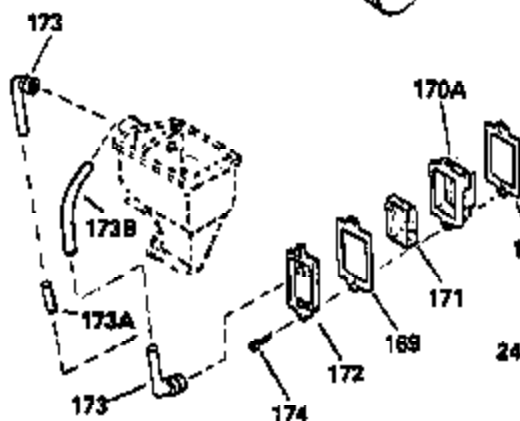
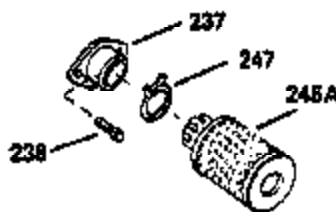
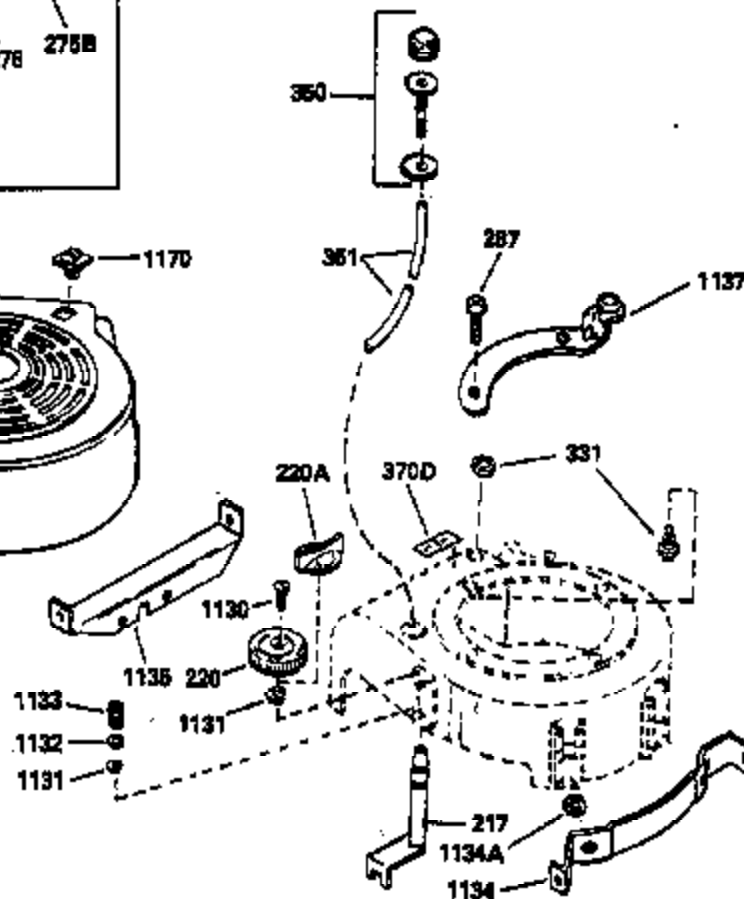
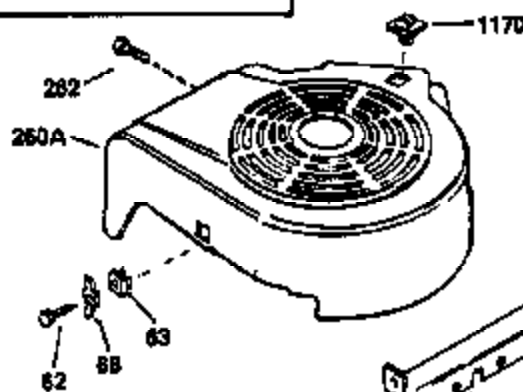
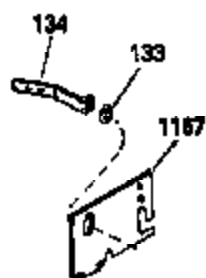
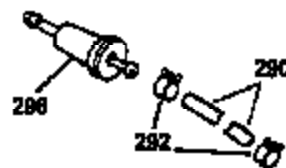
Engine Parts List #2

Ref #	Part Number	Qty	Description
19	31386		Spring, Governor
32	32323		Washer, Thrust
92	650815		Washer, Belleville
93	650816		Nut, Flywheel
103A	650516		Screw, 1/4-20 x 1-1/8"
182	6201		Screw, 1/4-28 x 7/8"
261	650561		Screw, 1/4 20 x 5/8"
262	650831		Screw, 1/4-20 x 15/32"
287	29716		Screw, 1/4-28 x 7/16" (Use as require d)
287	30513		Screw & Lockwasher, 1/4-28 x 1/2"
287			Pop Rivet (Purchase locally) (3/16" d ia.)
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.)
370A	550223		Name & Instruction Decal
370	34346		Decal, Instruction
379	631021		Inlet Needle, Seat & Clip Assy.
1175	590441		Bracket Ass'y. (Use as required)
1176	650639		Open End Rivet (Use as required)

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

- 366**: A small circular cap or plug at the top left.
- 387**: A vertical assembly consisting of a central body with two threaded sections.
- 275A**: A cylindrical component with a flange at the bottom, positioned below the 387 assembly.
- 275D**: A large, complex bracket or housing component at the top right.
- 277B**: A small circular pin or bushing located near the 275D bracket.
- 277**: A long, thin bolt or screw positioned below the 277B pin.
- 274**: A small circular component, possibly a washer or seal, located in the center.
- 415**: A bracket or support structure at the bottom center.
- 277A**: A long, thin bolt or screw positioned to the left of the 415 bracket.
- 275C**: A large, complex bracket or housing component at the bottom left.
- 414**: A small circular pin or bushing located near the 275C bracket.
- 277**: A long, thin bolt or screw positioned below the 414 pin.
- 284A**: A small circular pin or bushing located at the bottom right.
- 284**: A small circular component, possibly a washer or seal, located near the 284A pin.
- 278**: A small circular component, possibly a washer or seal, located near the 284 pin.
- 275B**: A cylindrical component with a flange at the bottom, positioned at the bottom right.



Engine Parts List #3

Ref #	Part Number	Qty	Description
19	31386		Spring, Governor
32	32323		Washer, Thrust
103A	650516		Screw, 1/4-20 x 1-1/8"
169	27234A		* Gasket, Valve spring cover
172	32755		Cover, Valve spring box
174	650128		Screw, 10-24 x 1/2"
182	6201		Screw, 1/4-28 x 7/8"
243	650806		Screw, 10-32 x 5/8"
262	650831		Screw, 1/4-20 x 15/32"
274	26754A		* Gasket, Exhaust
277	30063		Screw, Torx T-30, 1/4-20 x 1/2" (Use as req.)
277A	650774		Screw, 1/4-20 x 2-3/8"
287	29716		Screw, 1/4-28 x 7/16" (Use as require d)
287	30513		Screw & Lockwasher, 1/4-28 x 1/2"
287			Pop Rivet (Purchase locally) (3/16" d ia.)
290	29774		Fuel Line(Braided 8-1/4")(21 cm)(Use as req.)
290	34357		Fuel Line (Epichlorohydrin 6-3/4") (1 7 cm)
290	30705		Fuel Line (Braided 16")(40 cm)(Use as req.)
292	26460		Fuel Line Clamp (Use as required)
415	730162		Muffler Adapter Kit (Incl. 274 & 277A) (Inverted Ports)