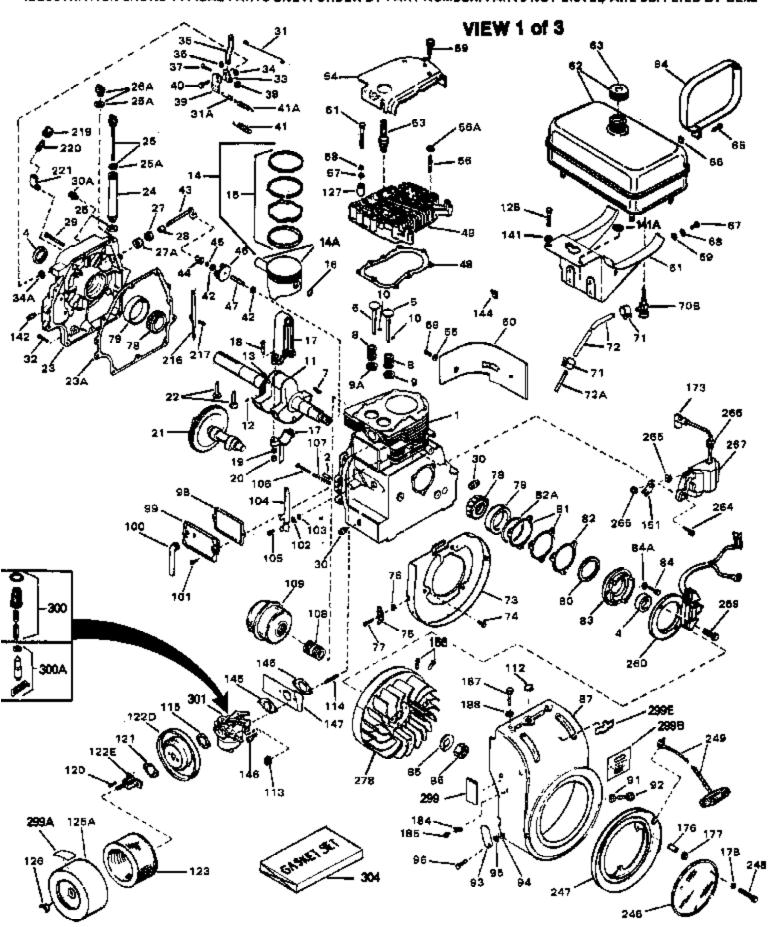
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

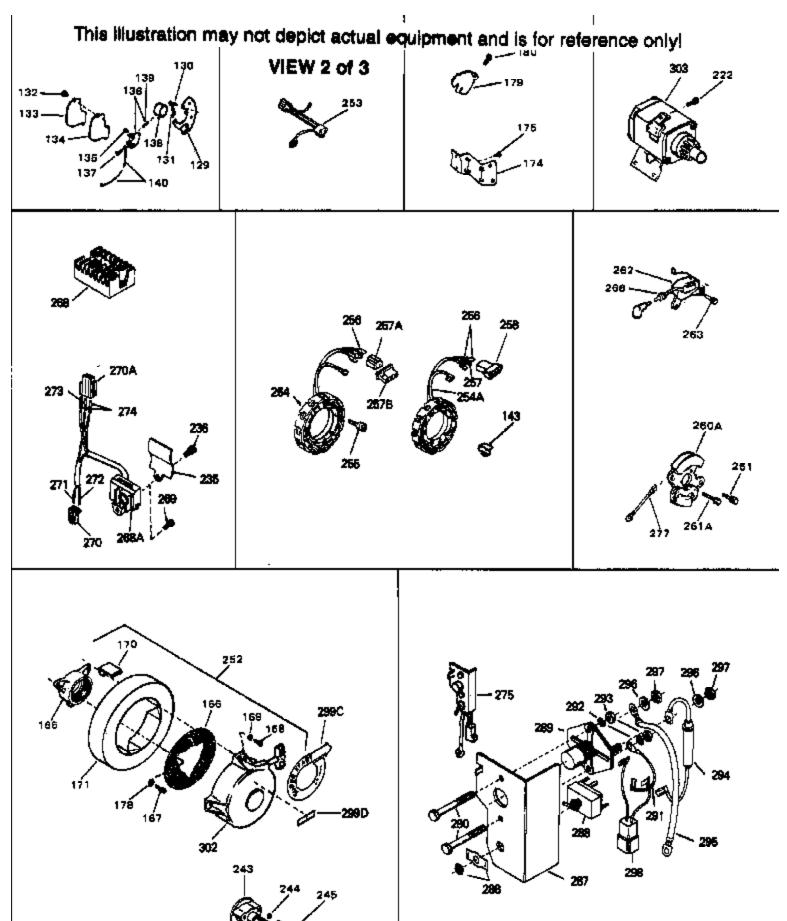


Dof #	Part Number Oto	Description
	Part Number Qty 33042	Description Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
	27652	Pin, Dowel
	31950	Seal, Oil
	31940	Intake Valve (Std.)
		,
	31941	Intake Valve (1/32" OS) (Incl. 9)
	31942	Exhaust Valve (Std.)
	31943	Exhaust Valve (1/32" OS) (Incl. 9)
	650592	Key, Flywheel
	31944	Spring, Valve
	31946	Cap, Lower valve spring (1/32" OS)
	31945	Cap, Lower valve spring (Std.)
	31945	Cap, Lower valve spring (Std.)
	31946	Cap, Lower valve spring (1/32" OS)
	20810 20359D	Pin, Valve spring retainer
	32358B	Crankshaft (Incl. 12, 13, 17, 78 & 79)
	29783	Pin, Crankshaft gear
	31931 33338B	Gear, Crankshaft Pioton & Pin Apply (Std.) (Incl. 16)(3, 1/3")
	32238B	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
	32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32240B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32621B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
	32622B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
	34511	Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
	34512 34513	Piston, Pin & Ring Set (.010" OS)
	34513 34524	Piston, Pin & Ring Set (.020" OS) Piston, Pin & Ring Set (.030" OS)
	34525	Piston, Pin & Ring Set (.030 OS) Piston, Pin & Ring Set (.040" OS)
	32241	Ring Set (Std.) (3-1/2" Bore)
	32242	Ring Set (3.0.1) (3-1/2 Bole)
	32243	Ring Set (.020" OS)
	32625	Ring Set (.030" OS)
	32626	Ring Set (.040" OS)
	32336	Re-Ringing Set, Piston
	31919	Ring, Piston pin retaining
	33093A	Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
	34383	Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
	34384	Connecting Rod Assy.(.020" US)(Incl.1 8,19,20)
	32077	Bolt, Connecting rod
	26073	Washer, Connecting rod
	28264	Nut Assy., Lock
21	32150	Camshaft (MCR)
22	31939	Lifter, Valve
23A	31956A	* Gasket, Cylinder cover
23	32685	Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
24	31985	Oil Fill Tube
25A	29673	* Gasket, Oil fill
25	29673	* Gasket, Oil fill tube
26	33070	Dipstick (Incl. 25A)
28	32426	Spacer, Governor rod
	650588	Screw, 1/4-20 x 2"
	31927	Oil Drain Plug
	31968	Link, Governor
	650451	Screw, 1/4-20 x 1"
	31964	Clamp, Governor lever
	29193	Ring, Retaining
	31963	Lever, Governor adjusting
	650518	Lockwasher
37	650544	Screw, 10-24 x 7/8"

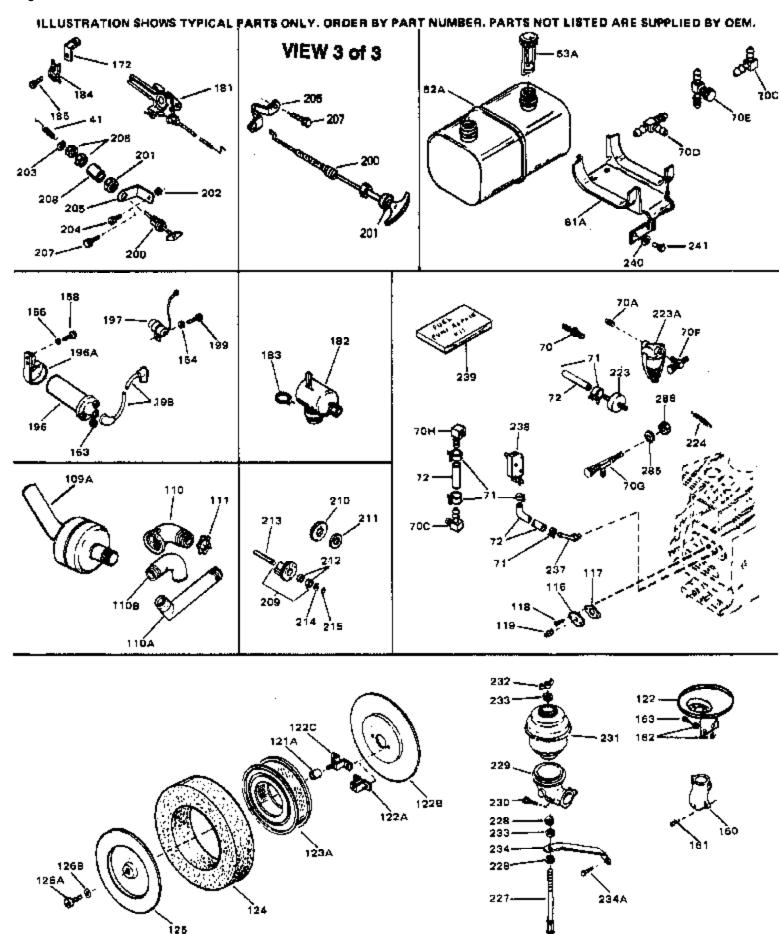
Ref #	Part Number Q	y Description
	7975	Nut, 10-24
	31965	Plate, Governor spring
	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	30590A	Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
	29193	
		Ring, Retaining
	31947	Gear Assy., Governor
	31930	Shaft, Mechanical Governor
	32246A	* Gasket, Cylinder head
	33034	Head, Cylinder
	650694A	Screw, 5/16-18 x 2" (Use as required)
	650711	Screw, 5/16-18 x 1-5/8" (Use as requi red)
	650628A	Screw, 5/16-18 x 2-3/8" (Use as requi red)
	650695A	Screw, 5/16-18 x 2-1/4" (Use as requi red)
51	650714	Screw, 5/16-18 x 1-5/8" (Use as requi red)
51	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
51	650692	Screw, 5/16-18 x 1-3/4" (Use as requi red)
51	650603	Screw, 5/16-18 x 5/8" (Use as require d)
	33636	Resistor Spark Plug (RJ-8C)
	34251	Resistor Spark Plug (RJ-17LM)
	33035	Cover, Cylinder head
	28537	Washer, Plain
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	8274	Washer, Lock (Use as required)
	650128	Screw, 10-24 x 1/2"
	31976	
		Extension, Blower housing
	31978	Bracket, Fuel tank
	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
63	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
64	31979	Strap, Fuel tank
	650451	Screw, 1/4-20 x 1"
	650456	Nut, Flange whiz-lock, 1/4-20
	650517	Screw, 1/4-20 x 27/32" (Use as requir ed)
	650561	Screw, 1/4-20 x 5/8" (Use as required)
	30063	Screw, 1/4-20 x 1/2" (Use as required)
	792028	
		Screw, 5/16-18 x 7/8" (Use as require d)
	8345	Washer, Flat
	8303	Lockwasher
	29683	Strainer & Shut-off, Fuel
	26460	Clamp, Fuel line (Use as required)
	29774	Fuel Line (Braided) (8.25") (Use as r equired)
	30705	Fuel Line (Braided) (16") (Use as req uired)
	30962	Fuel Line (Braided) (32") (Use as req uired)
	30965	Fuel Line (Braided) (48") (Use as req uired)
73	32579	Baffle, Blower housing
74	650561	Screw, 1/4-20 x 5/8"
78	31932	Bearing, Tapered roller
	31928	Cup, Bearing
		-

Spacer, Steel (Crif of hick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from, 001"up to, 000" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of, 010" thick. Steel spacersmust be used as required which can be from, 001"up to, 007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of, 010" thick. Steel spacersmust be used as required of the cover and the machined surface as the shim gaskets will be required. Use of gasket must be limited to a combined total of, 010" thick. Steel spacersmust be used as req. 82 31972 **Gasket, Shim (,005/,007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from, 001"up to, 007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of, 010" thick. Steel spacersmust be used as req. 82A 32599 **O'* Ring Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from, 001"up to, 007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of, 010" thick. Site spacersmust be used as required to eliminat. 84A 650679 84 792028 85 650666 86 650694 87 33044A 98 195 274 98 6506695 98 8274 98 195 87 100 33550 101 650128 102 25558 103 31966 104 31994A 105 650697 107 30099 108 32042 Nipple, Exhaust pipe Nuffler Nuff	Pof #	Part Number Q	ty Description
between the covier and the machined surface on the cylinder which can be from .001**up to .007**un the case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010* thick. Steel spacersmust be used as req 82 31972 *Gasket, Shim (.005/.007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001**up to .007** in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010* thick. Steel spacersmust be used as req 82A 32599 *O'' Ring Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001**up to .007** in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010** thick. Steel spacersmust be used as required used to explain the surface on the cylinder which can be from .001**up to .007** in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010** thick. Steel spacersmust be used as required to eliminat 84A 650679 Lockwasher, 5/16** (Use as required) 847 792028 Screw, 5/16-18 x 7/8* Washer, Lock Washer			Spacer, Steel (.010" thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used
between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req 82A 32599 "O" Ring Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required to eliminat 84A 650679 Lockwasher, 5/16" (Use as required) 85 650666 Washer, Lock 86 650594 Screw, 5/16-18 x 7/8" 85 650666 Washer, Lock 86 650594 Nut, Flywheel, 3/4-16 87 33044A Blower Hsg. (Incl.73) (For electric s tarter) 8274 Washer, Lock 85 650665 Screw, 5/16-24 x 3/8" 8274 Washer, Lock 86 650624 Screw, 5/16-24 x 9/16" 89 31958 "Gasket, Breather 89 31957 Breather Assy. 100 35350 Tube, Breather 101 650128 Screw, 5/16-24 x 1/2" 102 285658 Washer, Washer, Lock 103 31966 Bushing, Control lever 104 31984A Lever, Control 105 650697 Screw, 10-24 x 1/2" 106 650697 Screw, 10-24 x 5/8" 107 33099 Spring 108 32042 Nipple, Exhaust pipe 109 32043B Muffler 110 3303B Plug, Button (Use as required) 111 6506397 Screw, 10-24 x 5/8" 112 33038 Plug, Button (Use as required) 113 29752 Nur & Lockwasher Assy. 114 650687 Screw, 10-24 x 5/8" 115 27277 "Gasket, Air cleaner 115 27277 "Gasket, Air cleaner 116 202376 Bracket, Air cleaner 117 Screw, 10-24 x 5/8" 118 27272 "Gasket, Air cleaner 119 Spacer, Air cleaner 110 Screw, 10-24 x 5/8" 110 Screw, 10-24 x 5/8" 111 Screw, 10-24 x 5/8" 112 30767 Spacer, Air cleaner 117 Spacer, Air cleaner 118 Screw, 10-24 x 6/2 as Fracket, Air cleaner 119 Spacer, Air cleaner	81	31971	between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used
83 32577 Cover, Čylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required to eliminat 84A 650679 84 792028 Screw, 5/16-18 x 7/8" 85 650666 Washer, Lock 86 650594 Washer, Lock Nut, Flywheel, 3/4-16 Blower Hsg. (Incl.73) (For electric s tarter) Washer, Lock 92 650595 Screw, 5/16-24 x 3/8" Washer, Lock Screw, 5/16-24 x 9/16" 93 31958 \$1958 \$1958 \$274 Washer, Lock Screw, 5/16-24 x 9/16" \$33957 Breather Assy. 100 35350 Tube, Breather 101 650128 Screw, 10-24 x 1/2" 102 28558 Washer, Wave 103 31966 Bushing, Control lever Lever, Control 50597 Screw, 10-24 x 2" 50709, 10-24 x 2" 50709 108 32042 Nipple, Exhaust pipe Muffler Nut & Lockwasher Assy. Strew, 10-24 x 2" Spring 112 30308 Plug, Button (Use as required) Muffler Plug, Button (Use as required) Washer, Assy. Screw, 10-24 x 2" Screw, 10-24 x 5/8" Screw,	82	31972	between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used
84 792028 85 650666 86 650594 81 Washer, Lock 86 650594 81 Nut, Flywheel, 3/4-16 87 33044A 81 Blower Hsg. (Incl.73) (For electric s tarter) 91 8274 92 650595 95 8274 Washer, Lock 96 650624 98 31958 99 31957 100 35350 Tube, Breather 101 650128 102 28558 103 31966 Bushing, Control lever 104 31984A 105 650597 106 650597 107 33099 108 32042 109 32043B 112 33038 Plug, Button (Use as required) 101 29752 102 650389 122 Screw, 10-32 x 5/8" 103 30767 104 8 Lockwasher Assy. 105 Screw, 10-24 x 1/2" 107 30399 108 32042 109 32043B 110 32076 111 527272 112 650399 113 30767 112 30378 114 Geaner 115 Spacer, Air cleaner 116 Bracket, Air cleaner 117 Spacket, Air cleaner 118 Bracket, Air cleaner 119 Bracket, Air cleaner 110 Bracket, Air cleaner 111 Bracket, Air cleaner			Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required to
125A 32009 Cover, Air cleaner 126 650513 Nut, Wing	84 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121 122D 122E 125A	792028 650666 650594 33044A 8274 650595 8274 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32042 32043B 33038 29752 650587 27272 650399 30767 32378 32376 32009	Screw, 5/16-18 x 7/8" Washer, Lock Nut, Flywheel, 3/4-16 Blower Hsg. (Incl.73) (For electric s tarter) Washer, Lock Screw, 5/16-24 x 3/8" Washer, Lock Screw, 5/16-24 x 9/16" * Gasket, Breather Breather Assy. Tube, Breather Screw, 10-24 x 1/2" Washer, Wave Bushing, Control lever Lever, Control Screw, 10-24 x 5/8" Screw, 10-24 x 2" Spring Nipple, Exhaust pipe Muffler Plug, Button (Use as required) Nut & Lockwasher Assy. Stud, Carburetor * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Bracket, Air cleaner Bracket, Air cleaner Cover, Air cleaner

Ref #	Part Number Q	ty Description
128	650713	Screw, 5/16-18 x 5/8" (Use as require d)
128	650429	Screw, 5/16-18 x 3/4" (Use as require d)
128	792028	Screw, 5/16-18 x 7/8" (Use as require d)
141	26073	Washer, Flat (Use as required)
141A	8274	Lockwasher, Split (Use as required)
145	31960	* Gasket, Carburetor
147	31959	Baffle, Air
151	33356	Terminal, Ground
	730201	Trigger Pin Kit (Use as required)
173	610118	Cover, Spark plug (Use as required)
176	31992	Spacer, Screen
	8345	Washer, 1/4 plain (Use as required)
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
184	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
246	33776	Screen, Starter pulley
247	31980	Pulley, Starter
	650680	Screw, 1/4-20 x 1-1/2"
	32046	Rope Assy., Starter (Use as required)
	650661	Screw, 1/4-20 x 3/4"
	610408	Nut, Hex
	610750	Grommet, Lead wire
	610748	Solid State Magneto (Incl.151,173,265 ,266)
	610746	Solid State Flywheel
	31752	Decal, Air cleaner
	34346	Decal, Instruction
	550223	Decal, Name
	32676	Decal, Solid State
	32255A	Valve, Seat, Spring & Gasket Assy.
301	631533	Carburetor (Incl. 145) (Refer to Division 5, Section A, page 94 for breakdown)
304	33237A	* Gasket Set (Incl. items marked *)



Ref #	Part Number	Qty	Description
178 180 222 222	27070 650675 650701 792028 650781 34276		Washer, Lock 1/4 E.T. (Use as require d) Washer, Flat 1/4 (Use as required) Screw, 8-18 x 7/16" (Use as required) Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor) Screw,5/16-18 x 11/16"(Use w/33835 st r.motor) Plate, Cover (Use as required to cover regulator mounting hole in blower housing)
	650736 730134		Screw, 10-16 x 3/8" (Use as required) Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use as required)
	33018 610761		Harness Assy., Adapter (Use as requir ed) Alternator Coil (Solid State) (10 Amp) (Incl. Nos. 253, 256 & 257A)
256 257B 257A 266 268 275	650416 610922 610824 610819 610750 610749 730198 33835		Screw, 10-32 x 1" Terminal, Female Flat Connector (Female terminals) (As req.) Connector, Pyramid (For female termin als) Grommet, Lead wire Solid State Regulator (10 Amp) Starter Switch Kit(Incl. 287-298) (As req.) Electric Starter Motor (12 Volt) NOTE: The 32817 and 33835 starter motors are used interchangeably on the se models. Refer to service numberstamped on end cap of motor, or on decal for identification. Refer to Division 5, Section D for breakdown.



Ref #	Part Number C	ty Description
41	31967	Spring, Governor
62A	31977	Fuel Tank (Incl. 63)
70	29634	Fitting, Fuel line
71	26460	Clamp, Fuel line (Use as required)
72	29774	Fuel Line (Braided) (8.25") (Use as r equired)
72	30705	Fuel Line (Braided) (16") (Use as req uired)
72	30962	Fuel Line (Braided) (32") (Use as req uired)
72	30965	Fuel Line (Braided) (48") (Use as req uired)
119	28534	Pipe Plug, 1/8-27 (Use as required)
119	9556	Plug, Pipe, 1/8-27 (Use as required)
123A	32008	Element, Air cleaner
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"