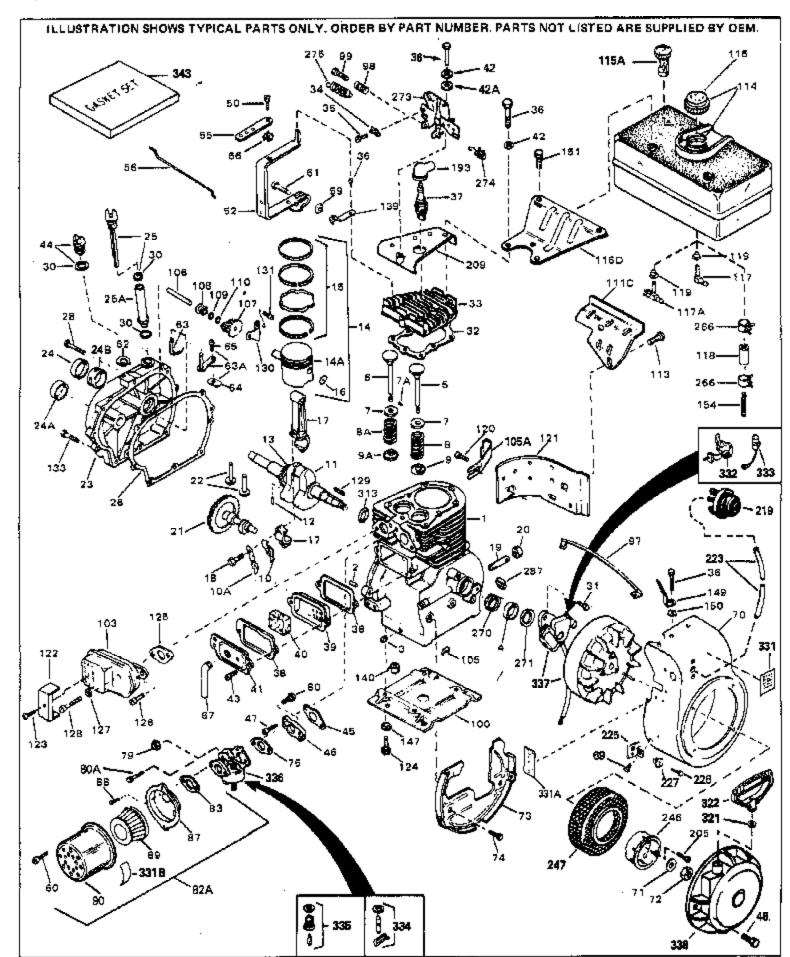
H70-130066 Engine Parts List #1



Pof #	Part Number	Otv	Description
<u>Rei #</u> 1		Qly	Description Cylinder (Incl. 2, 3, 4 & 76) (2-3/4" Bore)
	27652		Pin, Dowel
	27642		Plug, Oil drain
	32630		Seal, Oil
	32783		Intake Valve (Std.) (Incl. 9)
	32784		Intake Valve (1/32" OS) (Incl. 9)
	27878A		Exhaust Valve (Std.) (Incl. 9)
	27880A		Exhaust Valve (01/32" OS) (Incl. 9)
	27882		Cap, Upper valve spring
	20810		Pin, Valve spring retainer (Use as re quired)
	27881		Spring, Valve
	27881		Spring, Valve
	32581		Cap, Lower valve spring
	32581		Cap, Lower valve spring
	34242		Dipper, Oil
	32590		Plate, Lock & Oil dipper (This plate may be replaced by
10/1	02000		34242 oil dipper but 650662C screw must be used.)
11	32587		Crankshaft (Incl. 12 & 13)
12	29783		Crankshaft Gear Pin (Early production)
13	27884		Gear, Crankshaft (Used in early production) This gear is
			servicable onlywhen it is pinned to the crankshaft.
	34517		Piston, Pin & Ring Set (Std.) (2-3/4" Bore)
	34518		Piston, Pin & Ring Set (.010" OS)
	34519		Piston, Pin & Ring Set (.020" OS)
	32592B		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
	32593B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32594B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32595		Ring Set (Std.) (2-3/4" Bore)
	32596		Ring Set (.010" OS)
	32597 27888		Ring Set (.020" OS)
	32591C		Ring, Piston pin retaining Rod Assy., Connecting (Incl. 10 & 18)
	650662C		Screw, Connecting rod (2 each)
	30968		Nipple, Oil drain
	30969		Cap, Oil drain
	32115		Camshaft (MCR)
	34034		Lifter, Valve
	31303B		Cover, Cylinder (Incl. 24, 106 & 279)
	28427		Seal, Oil
	31546		Bushing, Crankshaft (Use as required)
	31848		Dipstick (Incl. 30)
	31847		Tube, Oil filler
	30684		* Gasket, Cylinder cover
	650488		Screw, 1/4-20 x 1-1/4"
	29673		* Gasket, Oil filler
	650489		Screw, 1/4-20 x 5/8"
	32631A		* Gasket, Cylinder head
	30938A		Head, Cylinder
	27793		Clip, Conduit (Use as required)
	28942		Screw, 10-32 x 3/8" (Use as required)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
	650694A		Screw, 5/16-18 x 2" (Use as required)
	33636		Resistor Spark Plug (RJ-8C)
	34251		Resistor Spark Plug
	27896A		* Gasket, Breather cover
39	28423		Body, Breather

	Part Number Qty 28424	Description Element, Breather
	28425	Cover, Valve spring
	26073	Washer (Use as required)
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	650128	Screw, 10-24 x 1/2"
45	27915A	* Gasket, Intake
46	30195A	Flange, Carburetor (Incl. 79 & 80)
47	30196	Screw, 5/16-18 x 3/4"
	29716	Screw, 1/4-28 x 7/16"
	650548	Screw, 8-32 x 5/16"
	32326A	Lever, Governor (New lever does not need 1 of
52	32320/1	51,66,132,164,165,207)
		51,00,152,104,105,207)
55	30205	Bracket, Adjusting
	30824	Link, Throttle
	29216	Nut, Lock, 10-32
	29826	Screw, 10-32 x 3/4"
	29642	
		Ring, Retaining
	30699C	Rod Assy., Governor (Incl. 64 & 65)
63	30699B	Governor Rod Ass'y. (This one-piece governor rodis no longer
		used. It is replaced by 30699C ass'y.,Ref. no. 63A)
64	30700	Yoke, Governor
	650494	Screw, 6-40 x 5/16"
	29918	
		Lockwasher, #8 E.T.
	35350	Tube, Breather
	29747B	Screw, 5/16-24 x 21/32"
	32158E	Blower Housing (For elec.star.)(Incl. 134,135)
	650815	Washer, Belleville
72	8116	Nut, Hex
73	29536	Blower Housing Baffle (without electric starter knock-out)
		(Use as required)
70	252504	New rest laws in a Doffle (with cleating starter langel, as t) (lag
73	35256A	Blower Housing Baffle (with electric starter knock-out) (Use
		as required) (Point Ignition)
74	650561	Screw, 1/4-20 x 5/8"
	31688A	* Gasket, Carburetor
	29752	Nut & Lockwasher Assy., 1/4-28
	650572	Screw, 1/4-28 x 1-1/8"
62A	730164	Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B)
		(Use as required)
83	27272A	* Gasket, Air cleaner
	31691	Bracket, Air cleaner NOTE: 130010 thru 10C & 11 used in
01	01001	early production only.
97	35349	Ground Wire
100	29538	Base, Engine mounting
	31845	Shaft, Mechanical governor
	30591	Gear Assy., Governor (Incl. 109)
	30588A	Spool, Governor
	30590A	Washer, Flat
	29193	Ring, Retaining
	650561	Screw, 1/4-20 x 5/8"
	31301	Fuel Tank (Incl. 115)
115	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
115	33032	Fuel Cap (Charcoal Plastic) (Spurt resistant, Low profile)
		(Use as required)
		v - 1 V

required)11535355117A29683117A29683118297741182977411830705118307051183062120650128527Fuel Line (Braided 32") (81 cm) (Use as req.)12130622121Booer housing12465054212726073128650694A129Screw, 516-18 x 34"120650138121Socerw, 516-18 x 2" (Use as required)12265024A123Scoewn 516-18 x 2" (Use as required)124650694A1293258913165036650783Screw, 10-24 x 1/2"13365049350747Clip, Shorting133650493134Cover, Spark plug (Use as required)20565056150784Cover, Cylinder head20320339A204Cover, Cylinder head20520339A206Cover, Cylinder head20731461208Boold, Name2093314546209Decal, Instruction331550232003Decal, Instruction331631241201Intel Meedle, Seat & Clip Assy.333631440206Cordenser333631440334631021335Intel Meedle, Seat & Clip Assy.336 <th></th> <th></th> <th>ty Description</th>			ty Description
117A 29683 Valve, Fuel is shu-off 118 29774 Fuel Line (Braided 8-1/4* 21 cm)(Use as req.) 118 30705 Fuel Line (Braided 16*) (41 cm) (Use as req.) 120 650128 Screw, 10-24 x 1/2* (Use as required) 121 30622 Screw, 51/6-18 x 3/4* 127 26073 Washer (Use as required) 128 650694A Screw, 51/6-18 x 2' (Use as required) 129 32589 Key, Flywheel 130 650430 Screw, 10-24 x 1/2* 133 650493 Screw, 10-24 x 1/2* 133 650493 Screw, 10-24 x 1/2* 134 650493 Screw, 10-24 x 1/2* 135 650493 Screw, 10-24 x 1/2* 136 650493 Screw, 10-24 x 1/2* 137 650493 Screw, 1/4-20 x 5/8* (Use as required) 206 650561 Screw, 1/4-20 x 5/8* (Use as required) 206 650561 Screw, 1/4-20 x 5/8* (Use as required) 207 31461 Bushing, Crankshaft (Use as required) 208 3039A Cover, Cylinder head 247 500417 Screen,	115	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
117A 29633 Valve, Fuel ishut-Off 118 29774 Fuel Line (Braided 8-1/4* 21 cm)(Use as req.) 118 30705 Fuel Line (Braided 16*) (41 cm) (Use as req.) 120 650128 Screw, 10-24 x 1/2* (Use as required) 121 30622 Screw, 516-18 x 3/4* 127 26073 Washer (Use as required) 128 650694A Screw, 516-18 x 2' (Use as required) 129 32589 Key, Flywheel 130 31843A Bracket, Governor gear 131 650430 Screw, 10-24 x 1/2* 133 650493 Screw, 10-24 x 1/2* 134 650493 Screw, 14-20 x 1-34* 149 30747 Clip, Shorting 139 610118 Cover, Cylinder head 206 650561 Screw, 1/4-20 x 5/8* (Use as required) 205 650561 Screw, 1/4-20 x 5/8* (Use as required) 206 26400 Clamp, Fuel line 210 3039A Cover, Cylinder head 247 509417 Screen, Starter cup 266 26400 Clamp, Fuel line 2	115	35355	Fuel Cap (Use as required)
118 29774 Fuel Line (Braided 16") (41 cm) (Use as req.) 118 30705 Fuel Line (Braided 16") (41 cm) (Use as req.) 120 650128 Screw, 10-24 x 1/2" (Use as req.) 121 30622 Extension, Blower housing 124 650542 Screw, 5/16-18 x 3/4" 127 26073 Washer (Use as required) 128 650694A Screw, 5/16-18 x 2" (Use as required) 129 32589 Key, Flywheel 130 31843A Bracket, Governor gear 131 650036 Screw, 10-24 x 1/2" 133 650493 Screw, 11/4-20 x 13/4" 149 30747 Clip, Shorting 193 610118 Cover, Spark plug (Use as required) 205 650561 Screw, 11/4-20 x 13/4" 216 32155 Cup, Starter 247 500417 Screen, Starter cup 266 26400 Clarm, Fuel line 270 31461 Bushing, Crankshaft (Use as required) 287 72725 Clip, Hi-tension wire (Use as required) 287 727275 Clip, Ground wire (Use as required) <td></td> <td></td> <td></td>			
118 30765 Fuel Line (Braided 327) (81 cm) (Use as req.) 120 650128 Screw, 10-24 x 1/2* (Use as required) 121 30622 Screw, 5/16-18 x 3/4* 127 26073 Washer (Use as required) 128 650694A Screw, 5/16-18 x 3/4* 129 32599 Key, Flywheel 130 31843A Bracket, Governor gear 131 650836 Screw, 10-24 x 1/2* 133 650493 Screw, 10-24 x 1/2* 134 650836 Screw, 10-24 x 1/2* 135 650493 Screw, 10-24 x 1/2* 149 30747 Clip, Shorting 105 Screw, 10-24 x 1/2* Screw, 10-24 x 1/2* 149 30747 Clip, Shorting 120 50561 Screw, Cylinder head 246 32125 Cup, Starter cup 246 32125 Cup, Starter cup 266 26460 Clarm, Fuel line 2775 Clip, Hitension wire (Use as required) 331A 34346 Decal, Instruction 331 50223 Decal, Name			
118 30962 Fuel Line (Braided 32 th) (51 cm) (Use as req.) 120 660128 Screw, 10-24 x 1/2" (Use as required) 121 30622A Extension, Blower housing 124 660542 Screw, 5/16-18 x 3/4" 127 26073 Washer (Use as required) 128 650694A Screw, 5/16-18 x 2" (Use as required) 129 32589 Key, Flywheel 130 81843A Bracket, Governor gear 131 650336 Screw, 10-24 x 1/2" 133 650493 Screw, 10-24 x 1/2" 133 650493 Screw, 10-24 x 1/2" 133 650493 Screw, 11/4-20 x 1/34" 149 30747 Clip, Shorting 205 50561 Screw, 1/4-20 x 5/8" (Use as required) 206 50561 Screw, 1/4-20 x 5/8" (Use as required) 207 30939A Cover, Cylinder head 246 32125 Cup, Starter cup 246 32141 Bushing, Crankshaft (Use as required) 277 Terminal Assly. (As req. on late prod uction) 287 4246 Clip, Ground wire (Use as required) </td <td></td> <td></td> <td></td>			
120650128Screw, 10-24 x 1/2" (Use as required)12130622AExtension, Blower housing124650542Screw, 5/16-18 x 3/4"12726073Washer (Use as required)128660694AScrew, 5/16-18 x 2" (Use as required)12932589Key, Flywheel13031843ABracket, Governor gear131650366Screw, 1/4-20 x 1-3/4"14930747Clip, Shorting193610118Cover, Spark plug (Use as required)205650561Screw, 1/4-20 x 5/8" (Use as required)205650561Screw, 1/4-20 x 5/8" (Use as required)20930939ACover, Cylinder head244522Cup, Starter247590417Screen, Starter cup26626460Clamp, Fuel line2772775Clip, Hi-tension wire (Use as required)287324246Clip, Ground wire (Use as required)31433446Decal, Instruction31550223Decal, Name33330548BCondenser33330548BCondenser334631021Inlet Needle, Seat & Clip Assy.336631440Caburetor (Ind. 75) (Refer to Division 5, Section A, page 78 for breakdown)338590420Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)			
12130622AExtension, Blower housing12460542Screw, 5/16-18 x 34"12726073Washer (Use as required)128650694AScrew, 5/16-18 x 2" (Use as required)12932589Key, Flywheel13031843ABracket, Governor gear131650836Screw, 10-24 x 1/2"133650493Screw, 11/420 x 1-3/4"14930747Clip, Shorting133610118Cover, Spark plug (Use as required)205650561Screw, 1/4-20 x 5/8" (Use as required)2062665651Screw, 7/4-70 x 5/8" (Use as required)2093039ACover, Cylinder head24632125Cup, Starter cup26626460Clamp, Fuel line27031461Bushing, Cranskhaft (Use as required)274610973Terminal Assy. (As req. on late prod uction)275Clip, Fruen line37330548BCondenser33330548BCondenser334631021Inlet Needle, Seat & Clip Assy.336631440Carburetor (Incl. 75) (Refer to Division 5, Section A, page 78 for breakdown)337610689AMagneto NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as show in parts list. (Refer to Division 5, Section C, page 25 for breakdown)338590420Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)			
124 650542 Screw, 5/16-18 x 3/4" 127 26073 Washer (Use as required) 128 650694A Screw, 5/16-18 x 2" (Use as required) 129 32589 Key, Flywheel 130 31843A Bracket, Governor gear 131 650493 Screw, 10-24 x 1/2" 133 650493 Screw, 10-24 x 1/2" 134 650561 Screw, 1/4-20 x 1-3/4" 149 30747 Clip, Shorting 205 650561 Screw, 1/4-20 x 5/8" (Use as required) 206 26460 Clamp, Fuel line 217 Starter Screw, 1/4-20 x 1-3/4" 218 27275 Clip, Hi-tension wire (Use as required) 217 131461 Bushing, Crankshaft (Use as required) 218 32466 Clip, Ground wire (Use as required) 219 34246 </td <td></td> <td></td> <td></td>			
127 26073 Washer (Use as required) 128 650694A Screw, 5/16-18 x 2" (Use as required) 129 32589 Key, Flywheel 130 31843A Bracket, Governor gear 131 650836 Screw, 10-42 x 1/2" 133 650493 Screw, 10-42 x 1/34" 149 30747 Clip, Shorting 129 30393A Cover, Spark plug (Use as required) 209 30939A Cover, Quinder head 246 32125 Cup, Starter 247 590417 Screen, Starter cup 266 26460 Clamp, Fuel line 270 31461 Bushing, Cranskhaft (Use as required) 287 27275 Clip, Ground wire (Use as required) 287 34246 Decal, Instruction 331 550223 Decal, Instruction 332 30547A Contact Assy, Breaker 333 631021 Inlet Needle, Seat & Clip Assy. 333 631440 Carburetor (Ind. 75) (Refer to Division 5, Section A, page 78 334 631021 Inlet Needle, Seat & Clip Assy.			
128 650694A Screw, 5/16-18 x 2" (Use as required) 129 32589 Key, Flywheel 130 31843A Bracket, Governor gear 131 650836 Screw, 10-24 x 1/2" 133 650493 Screw, 11/4-20 x 1-3/4" 149 30747 Clip, Shorting 139 610118 Cover, Spark plug (Use as required) 205 650561 Screw, 1/4-20 x 5/8" (Use as required) 209 30939A Cover, Cylinder head 247 590417 Screen, Starter cup 266 26460 Clamp, Fuel line 270 31461 Bushing, Crankshaft (Use as required) 274 610973 Terminal Assy. (As req. on late prod uction) 287 27275 Clip, Hi-tensin wire (Use as required) 331 34346 Decal, Instruction 331 550223 Decal, Instruction 333 63121 Inlet Needle, Seat & Clip Assy. 334 631021 Inlet Needle, Seat & Clip Assy. 336 631440 Carburetor (Ind. 75) (Refer to Division 5, Section A, page 78 for breakdown) 337 610689A </td <td></td> <td></td> <td></td>			
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13031843ABracket, Governor gear131650836Screw, 10-24 x 1/2"133650493Screw, 10-24 x 1/2"14930747Clip, Shorting193610118Cover, Spark plug (Use as required)205650561Screw, 1/4-20 x 5/8" (Use as required)20930939ACover, Cylinder head24632125Cup, Starter247590417Screen, Starer cup266Clamp, Fuel line27031461Bushing, Crankshaft (Use as required)28727275Clip, Hi-tension wire (Use as required)28734246Clip, Ground wire (Use as required)311A34346Decal, Instruction331550223Decal, Instruction3330548BCondenser334631021Inlet Needle, Seat & Clip Assy.337610689AMagneto NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as show in parts list. (Refer to Division 5, Section C, page 25 for breakdown)338590420Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)			
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133650493Screw, 1/4-20 x 1-3/4"14930747Clip, Shorting193610118Cover, Spark plug (Use as required)205650561Screw, 1/4-20 x 5/8" (Use as required)20930339ACover, Cylinder head24632125Cup, Starter247590417Screen, Starter cup26626460Clamp, Fuel line27031461Bushing, Crankshaft (Use as required)274610973Terminal Assy. (As req. on late prod uction)28727275Clip, Hi-tension wire (Use as require d)28734246Olip, Ground wire (Use as require d)3313550223Decal, Instruction33330547AContact Assy., Breaker33330548BCondenser334631021Inlet Needle, Seat & Clip Assy.337610689AMagneto NOTE: The complete magneto is not available as an assensbly. The magneto number is shown for reference purposes only. Order component parts individually, as show in parts list. (Refer to Division 5, Section B, page 24 for breakdown)338590420Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)			
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breakdown)	337	610689A	an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as show in parts list. (Refer to Division 5, Section B, page 24 for
343_33239A Gasket Set (Incl. items marked*)	338	590420	
	343	33239A	Gasket Set (Incl. items marked*)



Ref #	Part Number	Qty	Description
31	650489		Screw, 1/4-20 x 5/8"
34	27793		Clip, Conduit (Use as required)
35	28942		Screw, 10-32 x 3/8" (Use as required)
43A	650128		Screw, 10-24 x 1/2"
48	29716		Screw, 1/4-28 x 7/16"
	30824		Link, Throttle
	650815		Washer, Belleville
	8116		Nut, Hex
	610118		Cover, Spark plug (Use as required)
	33108A		Control Bracket (Incl. 224 & 274)
	30826		Spring, Extension
	650257		Screw, 8-32 x 5/16"
	32511		Cover, Carburetor
	32398		Bracket, Choke
	28820		Screw, 10-32 x 1/2"
	650760		Screw, 8-32 x 3/8"
	650765		Screw, 10-32 x 1/2"
	31291		Plug, Cover
	650764		Nut, "U" Type (Use as required)
	610973		Terminal Ass'y. (As req. on late prod uction)
	32397		Plate Assy., Choke
	32399		Spring, Choke stop
	32400		Knob, Choke
	31680		Guard, Starter
	32576		Seal, Snow guard
	31682		Decal, Instruction
	31718		Decal, Choke
	550223		Decal, Name Bowind Stater (Defer to Division 5, Section C, page 25 for
338	590420		Rewind Starter (Refer to Division 5, Section C, page 25 for
			breakdown)
340	33328D		Starter Motor Kit (110-120 Volt) This 110-120 volt starter motor kit may have been added to this engine. It can be added only if cylinder hasdrilled and tapped starter mounting bosses and a ring gear flywheel (see#342). Refer to service number stamped on end cap of motor, or on decal, for identifica
342	30811A		Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter kits listed above)
342	611042		Flywheel (Used on Type letters H and above) (Std. Point ignition) (Ring gear flywheel required on engines using 110-120 volt starter kits listed above)
342	611085		Flywheel (Minimum ring gear flywheel required on engines using 110-120 volt starter kits listed above) (Use withSolid State ignition)



Ref #	Part Number Qt	/ Description
27	27513	Lockwasher, 1/4" (Use as required)
36	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
36	650695A	Screw, 5/16-18 x 2-1/4" (Use as required)
	650694A	Screw, 5/16-18 x 2" (Use as required)
	27896A	* Gasket, Breather cover
	26073	Washer (Use as required)
	650691	Washer, Flat (Use as required)
	650548	Screw, 8-32 x 5/16"
	30319	Rivet, Split (Used in early productio n)
	32326A	Lever, Governor (New lever does not need 1 of
		51,66,132,164,165,207)
	30205	Bracket, Adjusting
57	730130	Exh.Adap.Kit (Incl. 58 & 125) (Use as req.)
58	30196	Screw, 5/16-18 x 3/4" (Use as require d)
59	29216	Nut, Lock, 10-32
	29826	Screw, 10-32 x 3/4"
	29918	Lockwasher, #8 E.T.
82	730127	Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89A, 90, 238 &
		331B) (Use as required)
82B	730561	Air cleaner kit (Incl. 38, 67A, 83, 84B, 85,89B, 89C, 90A, 91,
		91A, 91B, 91C, 91D, 245 & 331B) (Use only on engines with
		an externally vented fully adjustable carburetor)
	27272A	* Gasket, Air cleaner
84D	34819	Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use
		in 730561 assembly only)
101	30209	Elbow, Exhaust (45 degree)
	30244	Muffler Nipple
103E	391026	Opt. Spark Arrest Muffler (Incl.196,1 97,199)
	29633	Muffler
104	32862	Conduit Nut
111	31694	Bracket, Fuel tank
113	650561	Screw, 1/4-20 x 5/8"
	29774	Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
	30705	Fuel Line (Braided 16") (41 cm) (Use as req.)
	30962	Fuel Line (Braided 32") (81 cm) (Use as req.)
	650694A	Screw, 5/16-18 x 2" (Use as required)
	650548	Screw, 8-32 x 5/16" (Early production)
	34067	Wire Assy., Alternator adapter (4-1/4 ")
	34069	Wire Assy., Alternator adapter (6-3/4 ")
	6201	Screw, 1/4-28 x 7/8"
202	31288	Exh. Adaptor Kit (Incl.125,203,204) (As req.)
203	650697A	Screw, 5/16-18 x 2-1/2" (Use as required)
204	6021A	Screw, 5/16-18 x 1-1/2" (Use as required)
262	29752	Nut, Lock
	26460	Clamp, Fuel line
276	31097	Strap, Fuel tank