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Engine Parts List #1 ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM. 333 247 √)-331B 82A 335

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## Part Number   City   Description   1 32796B   2 27652   Prin, Dowel   2 27652   Prin, Dowel   3 27642   Plug, Oil drain   5 32783   Intake Valve (Std.) (Ind. 9)   Intake Valve (Std.)	D-4 // D-	Oh .	Description
2 27652 3 27642 4 36500 5 32763 5 32764 6 278783 6 1stake Valve (Std.) (Ind. 9) 6 27878A 6 27880A 6 27880A 6 27880A 7 27882 7 27882 7 2882 7 2881 8 27881 8 27881 9 2581 9 32581 9 32581 10 34242 10 34242 10 34252 11 34895 12 29783 13 27884 14 34529 14 34529 15 34529 16 34529 17 32596 18 34529 18 34529 18 34530 18 3453			
3 27642 4 32630 5 32783 Intake Valve (Std.) (Incl. 9) 1 5 32784 6 27878A 6 27878A 6 27878A 6 27880A 7 27882 7 27882 7 27882 7 27882 7 2881 8 27881 9 32581 9 32581 10 34242 10 32581 10 34242 10 32581 11 34895 12 28783 13 27894 14 34529 15 28778 14 34529 14 34529 14 34529 15 14 34529 16 14 34529 17 2884 18 2885 19 2885 19 2885 10 32771B 10 34242 10 32771B 10 3425 11 34895 12 28783 13 27894 14 34529 15 14 34529 16 14 34529 17 15 16 16 16 16 16 16 16 16 16 16 16 16 16			
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5 32784			——————————————————————————————————————
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6 27880A 6 27880A 6 27880A 7 27882 Cap, Upper valve spring 7 20810 8 27881 8 27881 9 32581 9 32581 9 32581 10 34242 10 34242 10 34242 11 34685 Crankshaft (Use & Old profit of Carloshaft (Use & Old profit of Carloshaft (Use & Old ) 11 34685 Crankshaft (Use & Old profit of Carloshaft (Use & Old (Use ) 12 29783 Crankshaft (Use & Old (Use ) 13 27784 Crankshaft (Use & Old (Use ) 14 34529 Piston & Pin Assy (Use ) 14 34529 Piston & Pin Assy (Use ) 14 34529 Piston & Pin Assy (Use ) 15 32595 Piston & Pin Assy (Use ) 16 32595 Piston & Pin Assy (Use ) 17 32596 Piston & Pin Assy (Use ) 18 32596 Ring Set (Use ) 18 32596 Ring Set (Out) 'OS) Ring Set (O			
6 278804 Exhaust Valve (1/32° CS) (incl. 9) 7 27882 Cap. Upper valve spring 7 27882 Cap. Upper valve spring 8 27881 Spring valve 8 27881 Spring, Valve 8 27881 Spring, Valve 9 32581 Cap. Lower valve spring 10 34242 Dipper, Oil 10 34250 Piete. Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 11 34885 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Incl. 12 & 13) 13 277884 Gear Pin (Early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32770B Piston, & Pin Assy, (Std.)(2-347) (Incl. 16) 14A 32771B Piston & Pin Assy, (Col* OS) (Incl. 16) 14A 32771B Piston & Pin Assy, (101° OS) (Incl. 16) 14A 32772B Piston, & Pin Assy, (101° OS) (Incl. 16) 14A 34529 Piston, Pin & Ring Set (Sd.) (2-34" Bore) 14 34529 Piston, Pin & Ring Set (Sd.) (2-34" Bore) 15 32595 Ring Set (501) (2-34" Bore) 16 27888 Ring, Piston, Pin & Ring Set (010" OS) 17 32591 Ring Set (1010" OS) 18 60662C Screw, Connecting (Incl. 10 & 18) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl 24, 106, 309, 31 0 & 311) 24 28460 Seal, Oil 24B 31546 Bushing, Crankshaft (Use as required) 25 31297 Dipston, Oil (Incl. 30) 26673 Gasket, Oil filler 36 26997A Screw, 11-32 Cover, Valve spring			
7 27882 7 A 20810 8 A 27881 8 A 27881 8 A 27881 9 A 32581 9 A 32581 9 A 32581 10 34242 10 A 32590 11 34242 10 A 32590 11 34895 12 29783 13 27884 14 A 32770B 14 A 32770B 14 A 32770B 14 A 32770B 14 A 32777B 14 A 32777B 15 Piston & Pin Assy, (2010° OS) (Incl. 16) 14 A 32777B 14 A 32777B 15 Piston & Pin Assy, (2010° OS) 16 Piston & Pin Assy, (2010° OS) 17 B Piston, Pin & Ring Set (Stid.) (2-34" Bore) 18 32596 19 32596 29 31451A 20 29 31451A 20 29 31451A 20 29 31451A 20 29 31451A 21 3115 22 34034 23 31451A 24 28480 25 31297 26 30884 27 32597 28 30884 28 600657 39 30884 29 600677 30 30884 30 30938A 30 30938A 31 30938A 32 277938 32 2860 32 28793 33 30938A 34 1660, Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 32 2896 33 30938A 34 1660, Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 32 28673 33 30938A 34 1660, Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 32 289673 34 360699 35 27793 36 360697A 37 34251 38 277988A 37 34251 38 277988A 38 277988A 39 28423 39 28423 39 28423 39 28424 40 28424 41 28425 42 26073 42 26073 42 26073 42 26073 42 26073 42 26073 42 26073 43 26073 43 26073 43 26073 43 26073 43 26073 44 26073 45 26073 4			, , ,
7A 20810 8A 27881 SA 27881 Spring, Valve 8 27881 Spring, Valve 9A 32581 QA 32580 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 6506622 screw must be used.)  11 34895 Crankshaft (Gact 12 & 13) Crankshaft (Gact 12 & 13) Crankshaft (Gact 12 & 13) Crankshaft (Gact 18 & 13) Crankshaft (Gact 18 & 13) Qa 327708 Piston & Pin Assy, (Std.) (2-3/4") (In d. 16) QA 32771B QA 32771B QA 32771B QA 32772B Piston & Pin Assy, (Std.) (2-3/4") (In d. 16) QA 32772B Piston & Pin Assy, (Cu20" OS) (Ind. 16) QA 34529 Piston, Pin & Ring Set (O10" OS) QA 34529 Piston, Pin & Ring Set (O10" OS) QA 34529 Piston, Pin & Ring Set (O10" OS) QA 32595 QA 32596 QA 32596 QA 3260 QA 3270 QA 3			
8A 2788H 8 2788H 9 2528H 9 2528H 9 3258H 9 3258H 10 34242 11 34885 11 2 20783 12 20783 13 27884 14 32770B 14 32770B 14 32770B 15 14 34528 16 14 34529 17 14 34528 18 14 34529 19 15 10 7 8 17 8 582 (1010° OS) 18 14 34529 19 15 10 7 8 18 18 18 18 18 18 18 18 18 18 18 18 1			
8 27881 Spring Valve A 32581 Cap, Lower valve spring 9 32581 Cap, Lower valve spring 10 34242 Dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 11 34895 Crankshaft (Loz & 0.1 dipper but 650662C screw must be used.) 12 29783 Crankshaft (Loz & 1.2 & 1.3) 13 27884 Gear, Crankshaft (Loz & 1.3) 14 32770B Piston & Pin Assy, (Std.)(2-34")(In d.16) 14A 32771B Piston & Pin Assy, (Jol) (2-34")(In d.16) 14A 32771B Piston & Pin Assy, (Jol) (2-34")(In d.16) 14A 32772B Piston & Pin Assy, (Jol) (2-34") (In d.16) 14 34529 Piston, Pin & Ring Set (Jol) (2-34" Bore) 14 34529 Piston, Pin & Ring Set (Jol) (2-34" Bore) 15 32596 Ring Set (Jol) (2-34" Bore) 16 32597 Ring Set (Jol) (2-34" Bore) 17 32591C Rod Assy, Connecting (Ind. 10 & 18) 2591C Rod Assy, Connecting (Ind. 10 & 18) 2591C Rod Assy, Connecting (Ind. 10 & 18) 26 30684 Paston 27 31451 Cylinder Cover (Ind.) 24, 106, 309, 31 0 & 3111) 28 4860 Set (Jol) (2-34" Sore) 29 53 1297 Dipstick, Oil (Ind. 30) 26 30684 Set (Jol) (2-34" Sore) 27 31597 Geaket, Olinder Cover (Ind.) 24, 106, 309, 31 0 & 3111) 26 30684 Set (Jol) (2-34" Sore) 27 31597 Casket, Olinder Cover (Ind.) 24, 106, 309, 31 0 & 3111) 28 30684 Set (Jol) (2-34" Sore) 29 30684 Set (Jol) (2-34" Sore) 30 29673 Set (Jol) (2-34" Sore) 31 30988A Head, Olinder Cover (Ind.) 24, 106, 309, 31 0 & 3111) 32 36 650697A Sorew, 1/4-20 x 58" Set (Jol) (2-34" Sorew, 1/4-20 x 58" Set (			
9A 32581 9 32581 Cap, Lower valve spring Dipper, Oil 10A 32590 Pilate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.)  11 34895 Crankshaft (Incl. 12 & 13) Crankshaft (Losd in early production) 12 29783 Crankshaft (Used in early production) Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. Piston & Pin Assiy. (Std.)(2-34")(In d. 16) Piston & Pin Assiy. (Std.)(2-34")(In d. 16) Piston & Pin Assiy. (Cotr O'S) (Incl. 16) Piston & Pin Assiy. (Cotr O'S) (Incl. 16) Piston Pin & Ring Set (Std.) (2-34" Bore) Piston, Pin & Ring Set (Cotr O'S) Pis			
9 32581 Cap, Lower valve spring 10 34242 Dipper, Oil 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 11 34895 Crankshaft (Ind. 12 & 13) 12 29783 Crankshaft (Used in early production.) 13 27884 Gear, Crankshaft (Used in early production.) 14 A 32770B Piston & Pin Assiy. (Std.)(2-3/4*)(In cl.16) 14A 32771B Piston & Pin Assiy. (Std.)(2-3/4*)(In cl.16) 14A 32772B Piston & Pin Assiy. (O20* OS) (Incl. 16) 14 34528 Piston, Pin & Ring Set (Std.) (2-3/4* Bore) 14 34529 Piston, Pin & Ring Set (O20* OS) 14 34530 Piston, Pin & Ring Set (O20* OS) 15 32595 Ring Set (Std.) (2-3/4* Bore) 15 32596 Ring Set (O20* OS) 16 32597 Ring Set (O20* OS) 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Screw, Connecting (Incl. 10 & 18) 19 23405 Carshaft (MCR) 21 32115 Carshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 309, 31 0 & 3111) 24 28460 Seal, Oil 248 31546 Bushing, Crankshaft (Use as required) 25 31297 Dipstick, Oil (Incl. 30) 26 30684 Screw, 1/4-20 x 18" 27 30 30938A Head, Cylinder head 31 30938A Place (Cylinder head 32 30938A Screw, 1/4-20 x 5/8" 33 3636 Reset (Cylinder head 34 27793 Ciph Condition (Incl. 10 & 18) 36 650694A Screw, 5/16-18 x 2-1/2* (Use as required) 37 34251 Resistor Spark Plug (R.)-BCC 38 38423 Body, Breather 39 28424 Element, Breather 40 29673 Washer (Use spriquied)			•
10 34242   Dipper, Oil   10A 32590   Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 11 34895   Crankshaft (Incl. 12 & 13)   12 29783   Crankshaft (Incl. 12 & 13)   13 27884   Grankshaft (Used in early production )   14 32770B   Plate onlywhen it is pinned to the crankshaft.  14A 32770B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  14A 32771B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3271B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to the crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it crankshaft.  15A 3281B   Plate onlywhen it is pinned to it.  15A 3281B   Plate onlywhen it is pinned t			
Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.)  11 34995 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Incl. 12 & 13) Crankshaft (Used in early production) Gear, Crankshaft (Used in early production) Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft.  14A 32770B Piston & Pin Assy. (51d.)(2-3/4")(Incl. 16) Piston & Pin Assy. (0.010" OS) (Incl. 16) Piston & Pin Assy. (.010" OS) (Incl. 16) Piston & Pin Assy. (.020" OS) (Incl. 16) Piston, Pin & Ring Set ((101) (2-3/4" Bore)			
34242 oil dipper but 650662C screw must be used.)  11 34895 12 29783	10A 32	2590	
12 29783 13 27884			34242 oil dipper but 650662C screw must be used.)
Gear, Crankshaft (Used in early produ ction) This gear is servicable onlywhen it is pinned to the crankshaft.  14A 32770B 14A 32771B 15Ison & Pin Assy. (010° OS) (Incl. 16) 14A 32772B 15Ison & Pin Assy. (.010° OS) (Incl. 16) 14A 32772B 15Ison & Pin Assy. (.020° OS) (Incl. 16) 15Ison & Pin Assy. (.020° OS) 15Ison & Pin Assy. (.020°	11 34	1895	Crankshaft (Incl. 12 & 13)
servicable onlywhen it is pinned to the crankshaft.  14A 32771B 14A 32771B 14A 32777B 15I Piston & Pin Assy. (Std.)(2/3/4)(In cl.16) 14A 32772B 14A 34528 15I Piston & Pin Assy. (020" OS) (Incl. 16) 14A 34528 15I Piston, Pin & Ring Set (Std.) (2/3/4" Bore) 14A 34529 15I Piston, Pin & Ring Set (Int) O' OS) 14A 34530 15B Piston, Pin & Ring Set (020" OS) 15B 32595 16B Ring Set (Std.) (2/3/4" Bore) 15B 32596 17B 32597 18B Ring Set (020" OS) 18B Ring Ric (020" OS) 18B Ring Ric (020" OS) 18B Ring Ric (020"	12 29	9783	Crankshaft Gear Pin (Early production )
Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)     14A 32771B	13 27	7884	Gear, Crankshaft (Used in early production) This gear is
14A 32771B 14A 32772B 15A 3278B 16A 32772B 16A 32772B 17B 16A 32772B 17B 16A 32772B 18A 34528 19B 19B 19B 19B 25 (3Ctd.) (2-344" Bore) 14A 34528 15A 34529 16B 14A 34530 17B 15B 15B 2595 18A 32595 18A 32595 18A 32596 18A 32596 18A 32597 18A 32596 18A 32591C 18A 42840 28 31451A 29 31451A 20 31451A 21 32115 22 34034 23 31451A 24 28460 25 31297 26 30684 27 31297 28A 32591C 28A 31297 28A 32591C 29A 32591C 20A 32591C 20A 32591C 20A 32591C 20A			servicable onlywhen it is pinned to the crankshaft.
14A 32772B	14A 32	2770B	Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
14 34528	14A 32	2771B	
14 34529 Piston, Pin & Ring Set (.010" OS) 14 34530 Piston, Pin & Ring Set (.020" OS) 15 32596 Ring Set (Std) (.2934" Bore) 15 32597 Ring Set (.020" OS) 16 27888 Ring Fiston pin retaining 17 32591C Rod Assy., Connecting (Incl. 10 & 18) 18 650662C Screw, Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 24 28460 Seal, Oil 24B 31546 Bushing, Crankshaft (Use as required) 25 31297 Dipstick, Oil (Incl. 30) 26 30684 *Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29673 *Gasket, Oil filler 31 650489 Screw, 1/4-20 x 1" 32 32631A *Gasket, Oil filler 33 30938A Head, Cylinder 34 27793 Cip, Conduit (Use as required) 35 28942 Screw, 1/4-20 x 38" (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 37 3636 Resistor Spark Plug 38 27896A Screw, 5/16-18 x 2-1/2" (Use as required) 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring 42 8651 Ring Set (.010" OS) Ring Set (.020" OS) Ring Set (.010" OS)			
14 34530 Piston, Pin & Ring Set (.020" OS) 15 32595 Ring Set (Std.) (2-3/4" Bore) 15 32596 Ring Set (.010" OS) 15 32597 Ring Set (.020" OS) 16 27888 Ring Set (.020" OS) 18 650662C Rolling Screw, Connecting (Incl. 10 & 18) 18 650662C Screw, Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 24 28460 Seal, Oil 24B 31546 Bushing, Crankshaft (Use as required) 25 31297 Dipstick, Oil (Incl. 30) 26 30684 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29673 * Gasket, Oil filler 31 650489 Screw, 1/4-20 x 5/8" 32 32631A * Gasket, Cylinder head 43 30938A Head, Cylinder head 44 27793 Cip, Conduit (Use as required) 35 28942 Screw, 10-420 x 5/8" (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 37 33636 Resistor Spark Plug (RBC) 38 27896A Screw, 5/16-18 x 2-1/2" (Use as required) 39 28423 Body, Breather Element, Breather 20 Cover, Valves pring 42 26073 Washer (Use as required)			
15       32595       Ring Set (Std.) (2°3/4" Bore)         15       32596       Ring Set (101" OS)         15       32597       Ring Set (202" OS)         16       27888       Ring, Piston pin retaining         17       32591C       Rod Assy., Connecting (Incl. 10 & 18)         18       650662C       Screw, Connecting rod (2 each)         21       32115       Carnshaft (MCR)         22       34034       Lifter, Valve         23       31451A       Cylinder Cover (Incl.24, 106, 309, 31 0 & 311)         24       28460       Seal, Oil         24B       31546       Bushing, Crankshaft (Use as required)         25       31297       Dipstick, Oil (Incl. 30)         26       30684       Scasket, Oil filler         26       30684       Screw, 1/4-20 x 1"         30       29673       * Gasket, Oil filler         31       1650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         43       4 27793       Clip, Conduit (Use as required)         35       28942       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36			
15 32596   Ring Set (.010" OS)     15 32597   Ring Set (.020" OS)     16 27888   Ring, Piston pin retaining     17 32591C   Rod Assy., Connecting (Incl. 10 & 18)     18 660662C   Screw, Connecting rod (2 each)     12 32115   Camshaft (MCR)     12 34034   Lifter, Valve     23 31451A   Cylinder Cover (Incl.24, 106, 309, 31 0 & 311)     24 28460   Seal, Oil     24B 31546   Bushing, Crankshaft (Use as required)     25 31297   Dipstick, Oil (Incl. 30)     26 30684   *Gasket, Cylinder cover     30 29673   *Gasket, Oil filler     31 650489   Screw, 1/4-20 x 1"     32 32631A   *Gasket, Oylinder head     4 27793   Clip, Conduit (Use as required)     35 28942   Screw, 10-32 x 3/8" (Use as required)     36 650697A   Screw, 5/16-18 x 2-1/2" (Use as requi red)     36 650694A   Screw, 5/16-18 x 2-1/2" (Use as requi red)     37 34251   Resistor Spark Plug (RJ-8C)     38 27896A   *Gasket Freather Cover     39 28423   Body, Breather     40 28424   Element, Breather     41 28425   Cover, Valve spring     42 26073   Washer (Use as required)     43 2606   Screw, pring (Washer (Use as required)     45 26073   Washer (Use as required)     46 26073   Washer (Use as required)     5 26073   Washer (Use as required)     5 26073   Washer (Use as required)     6 2608976   Screw, 5/16-18 x 2-1/2" (Use as required)     6 2608976   Screw, 5/16-18 x 2-1/2" (Use as required)     7 26076   Screw, 5/16-18 x 2-1/4" (Use as required)     8 27896A   Resistor Spark Plug (RJ-8C)     9 28423   Body, Breather     18 28425   Cover, Valve spring     18 2825   Cover, Valve spring     18			
15 32597   Ring Set (.020" OS)			
16       27888       Ring, Piston pin retaining         17       32591C       Rod Assy., Connecting (Incl. 10 & 18)         18       650662C       Screw, Connecting rod (2 each)         21       32115       Camshaft (MCR)         22       34034       Lifter, Valve         23       31451A       Cylinder Cover (Incl.24, 106, 309, 31 0 & 311)         24       28460       Seal, Oil         24B       31546       Bushing, Crankshaft (Use as required)         25       31297       Dipstick, Oil (Incl. 30)         26       30684       * Gasket, Cylinder cover         28       650451       Screw, 1/4-20 x 1"         30       29673       * Gasket, Oil filler         31       650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       34251       Resistor Spark Plug         38			
17 32591C 18 650662C 21 32115 22 34034 23 31451A 23 31451A 24 28460 25 31297 26 30684 27 30684 28 650451 31 650489 31 650489 32 32631A 30938A			
18       650662C       Screw, Connecting rod (2 each)         21       32115       Camshaft (MCR)         22       34034       Lifter, Valve         23       31451A       Cylinder Cover (Incl.24, 106, 309, 31 0 & 311)         24       28460       Seal, Oil         24B       31546       Bushing, Crankshaft (Use as required)         25       31297       Dipstick, Oil (Incl. 30)         26       30684       * Gasket, Cylinder cover         28       650451       Screw, 1/4-20 x 1"         30       29673       * Gasket, Oil filler         31       650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650695A       Screw, 5/16-18 x 2-1/2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug (RJ-8C)         38       27896A       * Gasket, Breather cover         40			
21 32115 22 34034 23 31451A 24 28460 25 31546 26 30684 27 28 650451 28 32631A 29 32631A 20 30938A 21793 22 32631A 23 30938A 23 32631A 24 28942 25 366095A 26 650695A 27 36 36684 28 65095A 28 65095A 29 32 32831 30 33636 31 327896A 30 28423 40 28424 41 28425 40 28424 41 28425 40 28448 28 31451A 29 29473 20 3108 29473 20 32631A 21 32793 22 32631A 23 32793 23 2631A 24 27793 25 28942 26 27 28 28 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29			,
22       34034       Lifter, Valve         23       31451A       Cylinder Cover (Incl.24, 106, 309, 31 0 & 311)         24       28460       Seal, Oil         24B       31546       Bushing, Crankshaft (Use as required)         25       31297       Dipstick, Oil (Incl. 30)         26       30684       * Gasket, Cylinder cover         28       650451       Screw, 1/4-20 x 1"         30       29673       * Gasket, Oil filler         31       650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         43       33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650694A       Screw, 5/16-18 x 2-1/4" (Use as required)         37       34251       Resistor Spark Plug (RJ-8C)         38       27896A       * Gasket, Breather         40       28423       Body, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			, ,
23 31451A			
24 28460 24B 31546 24B 31546 25 31297 26 30684 27 31297 28 650451 30 29673 31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650697A 36 650695A 37 33636 38 27896A 39 28423 40 28424 41 28425 40 28424 41 28425 40 26073  Dipstick, Oil (Incl. 30)  Reasket, Cylinder cover  * Gasket, Cylinder cover  * Gasket, Cylinder head  * Gasket, Cylinder  * Clip, Conduit (Use as required)  * Screw, 10-32 x 3/8" (Use as required)  * Screw, 5/16-18 x 2-1/2" (Use as required)			
24B       31546       Bushing, Crankshaft (Use as required)         25       31297       Dipstick, Oil (Incl. 30)         26       30684       * Gasket, Cylinder cover         28       650451       Screw, 1/4-20 x 1"         30       29673       * Gasket, Oil filler         31       650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650695A       Screw, 5/16-18 x 2-1/4" (Use as required)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       34251       Resistor Spark Plug (RJ-8C)         38       27896A       Resistor Spark Plug         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			• • • • • • • • • • • • • • • • • • • •
25 31297			
26 30684 28 650451 30 29673 31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650695A 36 650695A 37 34650 37 34251 38 27896A 39 28423 40 28424 41 28425 40 28424 41 28425 40 28484, Cylinder cover Screw, 1/4-20 x 1"  * Gasket, Cylinder Gasket, Cylinder  * Gasket, Cylinder Gasket, Cylinder  * Gasket, Olinder  * Ga			• · · · · · · · · · · · · · · · · · · ·
28 650451 30 29673			
30       29673       * Gasket, Oil filler         31       650489       Screw, 1/4-20 x 5/8"         32       32631A       * Gasket, Cylinder head         33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (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)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			
31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650697A 36 650695A 37 33636 38 27896A 38 27896A 39 28423 30838 4 Head, Cylinder 39 Clip, Conduit (Use as required) 30 650695A 31 Screw, 5/16-18 x 2-1/2" (Use as required) 31 Screw, 5/16-18 x 2-1/4" (Use as required) 32 Screw, 5/16-18 x 2-1/4" (Use as required) 33 3636 34251 35 Resistor Spark Plug (RJ-8C) 36 36 Resistor Spark Plug 37 34251 38 27896A 39 28423 40 28424 41 28425 40 28424 41 28425 42 26073 42 26073 43 Washer (Use as required) 44 Washer (Use as required) 46 Washer (Use as required) 47 Washer (Use as required)			•
32       32631A       * Gasket, Cylinder head         33       30938A       Head, Cylinder         34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (Use as required)         36       650697A       Screw, 5/16-18 x 2-1/2" (Use as required)         36       650695A       Screw, 5/16-18 x 2" (Use as required)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       34251       Resistor Spark Plug (RJ-8C)         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			·
33 30938A 4 27793 5 28942 5 28942 5 28942 5 28942 6 50695A 6 50695A 6 650694A 7 33636 7 33636 7 34251 7 34251 7 3827896A 7 28423 8 28424 8 28424 8 28425 8 2942			·
34       27793       Clip, Conduit (Use as required)         35       28942       Screw, 10-32 x 3/8" (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)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			· · · · · · · · · · · · · · · · · · ·
35       28942       Screw, 10-32 x 3/8" (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" (Use as required)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (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 requi red)         36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			
36       650694A       Screw, 5/16-18 x 2" (Use as required)         37       33636       Resistor Spark Plug (RJ-8C)         37       34251       Resistor Spark Plug         38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)	36 65	50697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
37 33636 Resistor Spark Plug (RJ-8C) 37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather cover 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring 42 26073 Washer (Use as required)	36 65	50695A	
37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather cover 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring 42 26073 Washer (Use as required)			Screw, 5/16-18 x 2" (Use as required)
38       27896A       * Gasket, Breather cover         39       28423       Body, Breather         40       28424       Element, Breather         41       28425       Cover, Valve spring         42       26073       Washer (Use as required)			
39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring 42 26073 Washer (Use as required)			•
40 28424 Element, Breather 41 28425 Cover, Valve spring 42 26073 Washer (Use as required)			
41 28425 Cover, Valve spring 42 26073 Washer (Use as required)			•
42 26073 Washer (Use as required)			·
			• •
	42 26		

Washer (Use as required)
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Engine	Parts	List #1

Dot #	Port Number	Description
	Part Number Qty 650691	Description Weeker Flot (Use as required)
	650690	Washer, Flat (Use as required)
	650128	Washer, Belleville (Use as required) Screw, 10-24 x 1/2"
	27915A	* Gasket, Intake
	34712	·
		Flange Carburetor
	30196	Screw, 5/16-18 x 3/4" Screw, 1/4 38 x 7/46"
	29716	Screw, 1/4-28 x 7/16"
	650548 33454	Screw, 8-32 x 5/16"
		Lever Assy., Governor
	34662	Link, Throttle
	29216 29826	Nut, Lock, 10-32 Serous 10-32 v 3/4"
		Screw, 10-32 x 3/4"
	29642 30600P	Ring, Retaining
63	30699B	Governor Rod Ass'y. (This one-piece governor rodis no longer used. It is replaced by 30699C ass'y.,Ref. no. 63A)
63A	30699C	Rod Assy., Governor (Incl. 64 & 65)
64	30700	Yoke, Governor
65	650494	Screw, 6-40 x 5/16"
66	29918	Lockwasher, #8 E.T.
69	29747B	Screw, 5/16-24 x 21/32"
70	32158E	Blower Housing (For elec.star.)(Incl. 134,135)
71	650815	Washer, Belleville
72	8116	Nut, Hex
73	29536	Blower Housing Baffle (without electric starter knock-out) (Use as required)
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
	650517	Screw, 1/4-20 x 27/32"
	730164	Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B)
<b>02</b> (	760101	(Use as required)
83	27272A	* Gasket, Air cleaner
97	35349	Ground Wire
98	31342	Spring, Compression
99	650549	Screw, 5-40 x 7/16"
100	29538	Base, Engine mounting
103	32401	Muffler
106	31845	Shaft, Mechanical governor
107	30591	Gear Assy., Governor (Incl. 109)
108	30588A	Spool, Governor
	30590A	Washer, Flat
	29193	Ring, Retaining
	34158	Bracket, Fuel tank
	650561	Screw, 1/4-20 x 5/8"
	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
115	33032	Fuel Cap (Charcoal Plastic) (Spurt resistant, Low profile) (Use as required)
115	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
115	35355	Fuel Cap (Use as required)
	34159	Plate, Fuel tank mounting
	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.)
- 10	www.mymow	erparts.com

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Engine Parts List #1

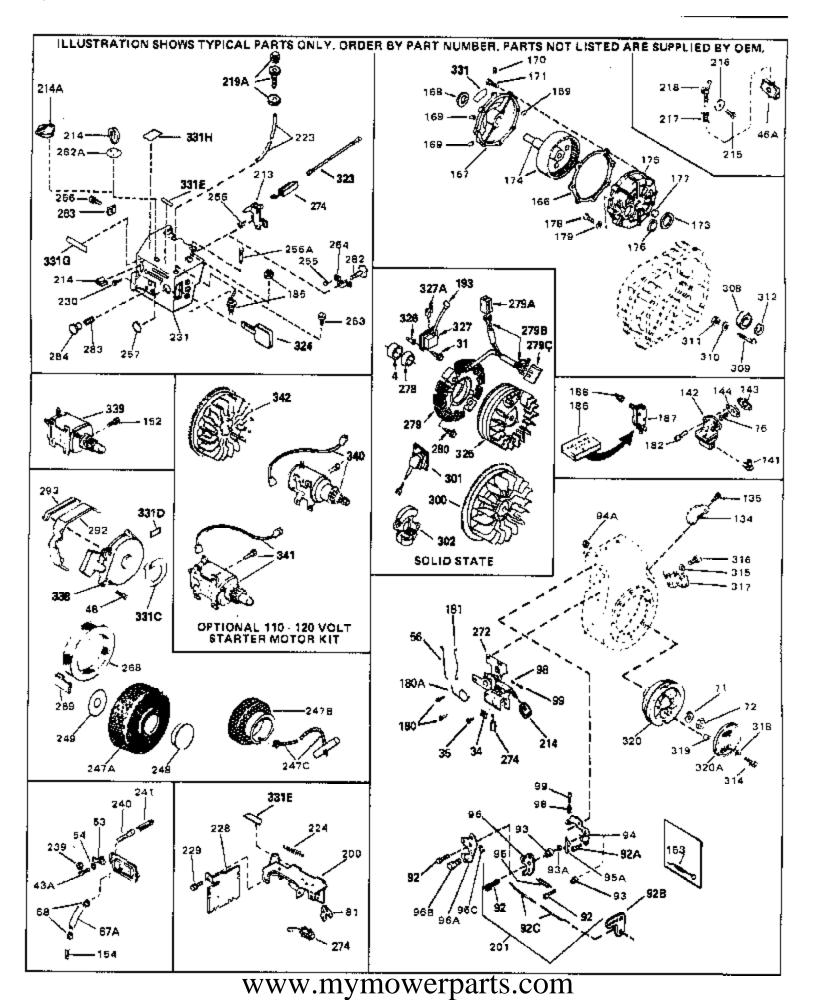
Ref #	Part Number Q	y Description
	650128	Screw, 10-24 x 1/2" (Use as required)
121	30622A	Extension, Blower housing
124	650542	Screw, 5/16-18 x 3/4"
125	27930A	Gasket, Exhaust
126	30196	Screw, 5/16-18 x 3/4"
127	26073	Washer (Use as required)
128	650694A	Screw, 5/16-18 x 2" (Use as required)
129	32589	Key, Flywheel
130	31843A	Bracket, Governor gear
131	650836	Screw, 10-24 x 1/2"
133	650599	Screw, 1/4-20 x 1-1/2"
	30747	Clip, Shorting
	650890	Lockwasher
	650665	Screw, 1/4-15 x 7/8"
	610118	Cover, Spark plug (Use as required)
205	650561	Screw, 1/4-20 x 5/8" (Use as required )
	30939A	Cover, Cylinder head
	650760	Screw, 8-32 x 3/8"
	28545	Grommet
246	32125	Cup, Starter
	35009	Screen, Starter cup
	26460	Clamp, Fuel line
	31461	Bushing, Crankshaft (Use as required)
	33876	Gasket, Stator
	610973	Terminal Ass'y. (As req. on late prod uction)
	27275	Clip, Hi-tension wire (Use as require d)
	34246	Clip, Ground wire (Use as required)
	650625	Washer, Thrust
	34768	Decal, Name
	34346	Decal, Instruction
	34704	Decal, Air cleaner
	30547A	Contact Assy., Breaker
	30548B	Condenser
	631021	Inlet Needle, Seat & Clip Assy.
	632201	Carburetor (Incl. 75) (Refer to Division 5, Section A, page 176
		for breakdown)
007	044040	•
337	611043	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 show in parts list. (Refer to Division 3, Section B, page 39
		for breakdown)
338	590420	Rewind Starter (Refer to Division 5, Section C, page 25 for
		breakdown)
040	222204	,
343	33239A	Gasket Set (Incl. items marked*)

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HH70-140060E

Page 5 of 9

Engine Parts List #2



## For Discount Tecumseh Engine Parts Call 606-678-9623 or 606-561-4983 $_{\rm Page~6~of~9}$ Engine Parts List #2

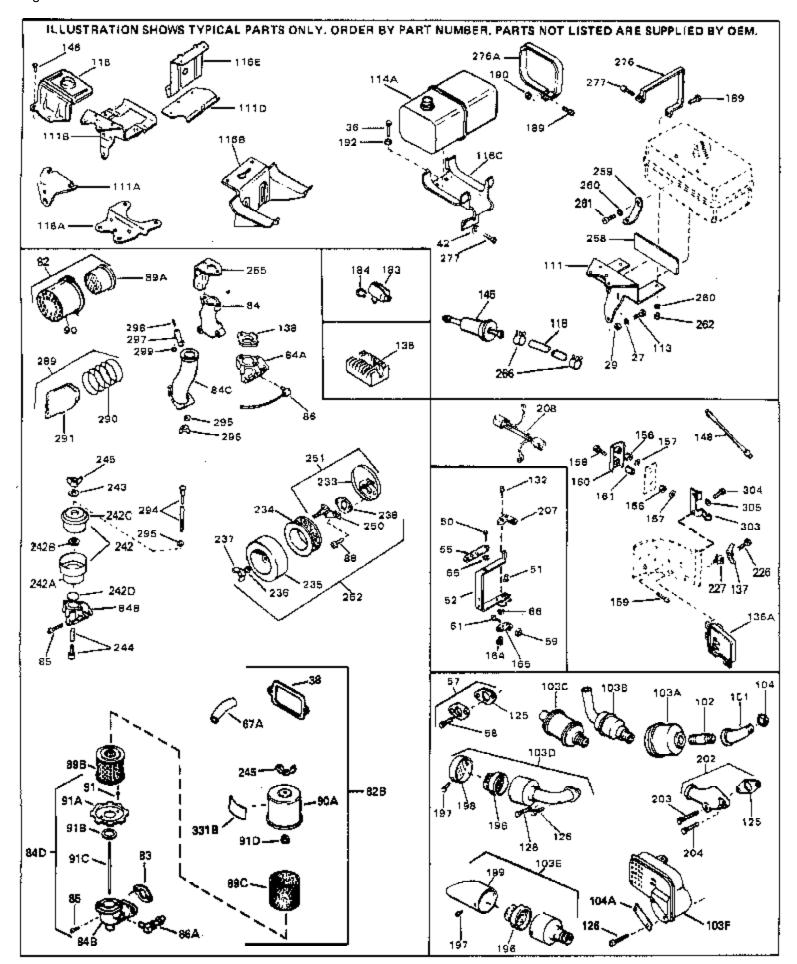
Ref #	Part Number C	)tv	Description
	650489	~•,	Screw, 1/4-20 x 5/8"
	27793		Clip, Conduit (Use as required)
	28942		Screw, 10-32 x 3/8" (Use as required)
	650128		Screw, 10-24 x 1/2"
	29716		Screw, 1/4-28 x 7/16"
	34662		Link, Throttle
67A	32447		Tube, Breather
68	32446		Grommet, Breather tube
71	650815		Washer, Belleville
72	8116		Nut, Hex
98	31342		Spring, Compression
99	650549		Screw, 5-40 x 7/16"
134	33013		Cover, Bubble
135	650760		Screw, 8-32 x 3/8"
	34663		Spring, Speed control
	650821		Screw, 10-32 x 1/2"
	34661		Link, Governor
	610118		Cover, Spark plug (Use as required)
	650764		Nut, "U" Type (Use as required)
	34664		Control Bracket (Incl. 98, 99, 180A & 274)
	610973		Terminal Ass'y. (As req. on late prod uction)
	31793		Bearing, Ball
	31855		Retainer, Bearing
	650778		Washer, Lock
	650580		Nut, Lock
	31792		Washer, Thrust
	34768		Decal, Name
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 with Solid State ignition)

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HH70-140060E

Page 7 of 9

Engine Parts List #3



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Dof #	Part Number (	Qty Description
	27513	Lockwasher, 1/4" (Use as required)
	650697A	Screw, 5/16-18 x 2-1/2" (Use as required)
	650695A	Screw, 5/16-18 x 2-1/2" (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)
	33454	Lever Assy., Governor
	730130	Exh.Adap.Kit (Incl. 58 & 125) (Use as req.)
	30196	Screw, 5/16-18 x 3/4" (Use as require d)
	29216	Nut, Lock, 10-32
	29826	Screw, 10-32 x 3/4"
	29918	Lockwasher, #8 E.T.
	32447	Tube, Breather
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)
83	27272A	* Gasket, Air cleaner
	34819	Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use
		in 730561 assembly only)
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	34780	Elbow, Air cleaner
	650163	Screw, 10-32 x 7/8"
86A	30675	Fitting, Breather NOTE: 130010 thru 10C & 11 used in early
		production only.
89B	34782	Air Cl. Filter & Bracket Assy. (Incl. 91D)
	34783	Filter, Pre-air
90A	34781	Cover, Air cleaner
91B	34698A	Gasket, Air cleaner
91D	650825	Nut & Lockwasher, 1/4-20
	650826	Stud, 1/4-20 x 6.20, threaded both en ds
91		Pop Rivet (1/8" dia.) (Can be bought locally)
91A	34699	Bracket, Air cleaner
103E	391026	Opt. Spark Arrest Muffler (Incl.196,1 97,199)
113	650561	Screw, 1/4-20 x 5/8"
118	29774	Fuel Line (Braided 8-1/4" 21 cm)(Use as req.)
118	30705	Fuel Line (Braided 16") (41 cm) (Use as req.)
	30962	Fuel Line (Braided 32") (81 cm) (Use as req.)
125	27930A	Gasket, Exhaust
126	30196	Screw, 5/16-18 x 3/4"
128	650694A	Screw, 5/16-18 x 2" (Use as required)
132	650548	Screw, 8-32 x 5/16" (Early production)
137	33356	Terminal
148	34067	Wire Assy., Alternator adapter (4-1/4 ")
	34069	Wire Assy., Alternator adapter (6-3/4 ")
	30322	Nut & Lockwasher (Early Prod. Only)
	29916	Clamp, Governor lever (Early Prod. Ón ly)
	31288	Exh. Adaptor Kit (Incl.125,203,204) ( As req.)
	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
	6021A	Screw, 5/16-18 x 1-1/2" (Use as requi red)
	650760	Screw, 8-32 x 3/8"
	28545	Grommet
	650513	Nut, Wing
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Ref #	Part Number 0	Qty Description
266	26460	Clamp, Fuel line
331B	34704	Decal, Air cleaner