

1 327668 Cylinder (Incl. 2, 3.8.4) (23.4" Bor e) 2 27652 Pin, Dowel 3 27642 Plug, Oli drain 4 33230 Intake Valve (Std.) (Incl. 9) 5 327741 Intake Valve (Std.) (Incl. 9) 6 278780A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap., Upper valve spring 9 32581 Cap., Upper valve spring 10 34242 Dipper, Ol 11 36224 Carakshaft Gaar Pin (Used on early prod.) 13 27884 Gear, Crankshaft Gaar Pin (Used on early prod.) 14A 32770B Piston & Pin Assy, (101° OS) (Incl. 16) 14A 32771B Piston & Pin Assy, (101° OS) (Incl. 16) 14A 32771B Piston & Pin Assy, (101° OS) (Incl. 16) 14A 32771B Piston & Pin Assy, (101° OS) (Incl. 16) 14A 32771B Piston & Pin Assy, (101° OS) 14 34529 Piston & Pin Assy, (101° OS) 15 32565 Ring Set (101° OS) 15 32596 Ring S	Ref #	Part Number	Qty	Description
3 27642 Plug, Oli drain 4 26230 Seal, Oli 5 32783 Intake Valve (Sk1) (Incl. 9) 6 277870A Exhaust Valve (Sk2) (Incl. 9) 7 27880A Exhaust Valve (Sk2) (Incl. 9) 7 27881 Cap, Upper valve spring 8 227831 Cap, Loper valve spring 9 32581 Cap, Loper valve spring 10 34242 Dipper, Oli 11 35224 Canleshaft 12 27783 Canleshaft 14 327718 Piston & Pin Assy, (St01/03-347) (In cl.16) 144 3277718 Piston & Pin Assy, (St01/03-347) (In cl.16) 144 3277718 Piston & Pin Assy, (St01/03-347) (In cl.16) 144 34529 Piston, Pin & Ring Set (C007 OS) 14 34529 Piston, Pin & Ring Set (C007 OS) 15 32595 Ring Set (C007 OS) 16 23662 Ring Set (C01/04 (Za) 17 22891C Rod Assy, Connecting (Incl. 10 & 18) 18 26662C Bot, Carnecting (Incl. 10 & 10, 10, 10) 23	1	32769B	•	
4 26230 Seid, Oil 5 32783 Intake Valve (Std.) (Ind. 9) 6 27787A Exhaust Valve (Std.) (Ind. 9) 6 27787A Exhaust Valve (Std.) (Ind. 9) 7 27882 Cap. Upper valve spring 9 32681 Cap. Upper valve spring 9 32681 Cap. Upper valve spring 11 35224 Camkshaft 12 27783 Camkshaft 13 227831 Camkshaft 14 327708 Piston & Pin Assy. (Std.) (2-34") (in cl.16) 14A 3277708 Piston & Pin Assy. (Std.) (2-34") (in cl.16) 14A 3277708 Piston & Pin Assy. (Std.) (2-34") (in cl.16) 14A 34525 Piston A Pin Assy. (Std.) (2-34") (in cl.16) 14A 34528 Piston A Pin Assy. (Std.) (2-34") (in cl.16) 14 34529 Piston A Pin Assy. (Std.) (2-34") (in cl.16) 15 32285 Ring Set (O10" OS) 15 32285 Ring Set (O10" OS) 15 32285 Ring Set (O10" OS) 16 27888 Ring Set (O10" OS) 17<	2	27652		Pin, Dowel
5 22783 Intake Valve (Kit) (Incl. 9) 6 27878A Exbaust Valve (Kit) (Incl. 9) 6 27880A Exbaust Valve (Kit) (Incl. 9) 7 27881 Cap, Upper valve spring 8 27881 Cap, Upper valve spring 9 32581 Cap, Lower valve spring 10 34242 Dipper, OI 11 35224 Carakshaft 12 23783 Carakshaft 13 27784 Gear, Crankshaft (Valve) (Valve) (Valve) 144 327718 Piston & Pin Assy, (Old) (CS) (Incl. 16) 144 3277718 Piston & Pin Assy, (Old) (CS) (Incl. 16) 144 3277718 Piston, Pin A Sing Set (Sid) (2-34" Eore) 14 34528 Piston, Pin & Ring Set (Old) (CS) 14 34530 Piston, Pin & Ring Set (Old) (CS) 15 32596 Ring Set (Old) (CS) 15 32597 Ring Set (Old) (CS) 15 22596 Ring Set (Old) (CS) 15 22596 Ring Set (Old) (CS) 16 260692C Rod Assy, Connecting Ind, 10 & 18) 17				Plug, Oil drain
5 32784 Inteke Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap. Upper valve spring 9 32831 Cap. Upper valve spring 9 32831 Cap. Upper valve spring 10 34242 Dipper, Oil 11 35224 Canekshaft Gear Phn (Used on early prod.) 12 27833 Canekshaft (Used on early prod.) 13 27834 Gear. Canakshaft (Used on early prod.) 14 32770B Piston & Pin Assy. (Std.) (2.34")(in cl.16) 14A 32771B Piston & Pin Assy. (Std.) (2.34")(in cl.16) 14A 32771B Piston & Pin Assy. (Std.) (2.34")(in cl.16) 14A 34523 Piston, Pin & King Set (Ust) (2.34")(in cl.16) 14 34523 Piston, Pin & King Set (Ust) (2.34")(in cl.16) 15 32855 Ring Set (Ust) (C.34") 15 32897 Ring Set (Ust) (C.34") 16 27888 Ring, Piston pin retaining 17 32891C Canstadt (MCR) 23 31451A Cylinder cover 23 31451A	4	32630		Seal, Oil
6 27878A Exhaust Valve (Std) (Incl. 9) 7 27882 Cap. Upper valve spring 8 27881 Cap. Upper valve spring 10 34242 Dipper, Ol. 11 35224 Canishaft 12 29783 Canishaft 13 27844 Canishaft (Used on early production) 14 327705 Piston & Pin Assy. (Std) (2-34/1) (Incl. 16) 14A 3277715 Piston & Pin Assy. (Std) (2-34/1) (Incl. 16) 14A 3277715 Piston & Pin Assy. (Std) (2-34/1) Bore) 14 34523 Piston, Pin & Ring Set (Std) (2-34/4) Bore) 14 34523 Piston, Pin & Ring Set (Std) (2-34/4) Bore) 15 32595 Ring Set (Std) (2-34/4) Bore) 15 32595 Ring Set (Std) (2-34/4) Bore) 15 32595 Ring Set (Std) (2-34/4) Bore) 16 72888 Ring, Piston pin retaining 17 32591C Rod Assy. Connecting rod (2 each) 18 60062C Bott, Connecting rod (2 each) 23 3451A Oyind	5	32783		Intake Valve (Std.) (Incl. 9)
6 Z78802 Exhaust Valve (/152° CS) (incl. 9) 7 Z7881 Spring, Valve 9 32521 Cap, Lower valve spring 10 34242 Dipper, Oil 11 35224 Carnishalt Gear Pin (Used on early pr od.) 12 29783 Carnishalt Gear Pin (Used on early pr od.) 13 Z7884 Gear, Crankshalt (Gear On early pr od.) 14A 32770B Piston & Pin Assy. (D10° OS) (Incl. 16) 14A 32772B Piston & Pin Assy. (D10° OS) (Incl. 16) 14 34523 Piston, Pin & Ring Set (O10° OS) 14 34523 Piston, Pin & Ring Set (O10° OS) 15 35595 Ring Set (010° OS) 15 35595 Ring Set (010° OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy., Connecting (Incl. 10 & 18) 18 65062C Bot, Connecting rod (2 each) 23 31451A Cylinder cover (Incl.24, 106, 178, 179 & 180) 24 2440 Seal. Oil 23 323034 Lifter c	5	32784		Intake Valve (1/32" OS) (Incl. 9)
7 27882 Cap. Upper valve spring 8 27881 Cap, Lower valve spring 10 34242 Dipper, Oi 11 35224 Crankshaft Gear Pin (Used on early prod.) 13 27884 Gear. Crankshaft Gear Oin (Used on early prod.) 144 32771B Piston & Pin Assy. (101° OS) (Incl. 16) 144 32772B Piston & Pin Assy. (101° OS) (Incl. 16) 144 32772B Piston & Pin Assy. (102° OS) (Incl. 16) 144 34523 Piston, Pin & Ring Set (Std) (2.34" Bore) 14 34523 Piston, Pin & Ring Set (102° OS) 15 32595 Ring Set (101° OS) 16 27888 Ring Set (102° OS) 17 32591C Rod Asy. Connecting (Incl. 10 & 16) 18 60662C Bolt, Connecting rod (2 each) 12 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 30383A "Gasket, Cylinder cover 23 332631 "Gasket, Cylinder cover 23 Copinter Cover (Incl.24, 106, 178, 17 9 & 180) 2	6	27878A		Exhaust Valve (Std.) (Incl. 9)
8 Z7881 Sping Value Science 9 32551 Cap, Lower value spring 11 32224 Cranischaft Gear Pin (Used on early prod) 12 29783 Cranischaft Gear Pin (Used on early prod) 13 27784 Gear, Cranischaft Gear Pin (Used on early prod) 14A 327718 Piston & Pin Assy, (Dit) (254/1)(n.d. 16) 14A 327772B Piston & Pin Assy, (Dit) (253/1)(n.d. 16) 14 34529 Piston, Pin & Ring Set (OIO' OS) 14 34529 Piston, Pin & Ring Set (OIO' OS) 15 32595 Ring Set (OIO' OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy, Connecting (Ind. 10 & 18) 18 56062C Bolt, Connecting rod (2 each) 23 31451A Cylinder cover (Ind.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oli 23 32034 Lifter cover 23 33039A "Gasket, Cylinder cover 24 Secoust Secoust 25 Secoust	6	27880A		Exhaust Valve (1/32" OS) (Incl. 9)
9 32581 Cap. Lower value spring 10 34242 Dipper. Ol 11 35224 Crankshaft 12 29783 Crankshaft 13 27844 Gear, Crankshaft (Used on early prod.) 14A 32771B Piston & Pin Assy. (Std/)234/(In cl.16) 14A 32772B Piston & Pin Assy. (D10° CS) (Incl. 16) 14A 32772B Piston & Pin Assy. (D10° CS) (Incl. 16) 14 34528 Piston Pin & Ring Set (Std.) (2-34" Bore) 14 34520 Piston, Pin & Ring Set (D10° CS) 15 32595 Ring Set (D10° CS) 15 32596 Ring Set (D10° CS) 16 27886 Ring, Piston pin retaining 17 32591C Rod Assy. Connecting (Incl. 10 & 18) 18 650652C Bolt, Connecting rod (2 each) 13 21451A Cylinder Cover (Incl.24, 106, 176, 179 & 180) 24 34451A Cylinder Cover (Incl.24, 106, 176, 179 & 180) 25 31297 Dipsitok (Incl. 30) 27 30584 Clip. Conduit	7	27882		Cap, Upper valve spring
10 34242 Dipper, Ol 11 35224 Crankshaft Gear Pin (Used on early prod. citon) 13 27884 Gear, Crankshaft (Used on early prod. citon) 14 32770B Piston & Pin Assy. (Std)(2:34*) (In d. 16) 14A 32770B Piston & Pin Assy. (Std)(2:34*) (In d. 16) 14A 327772B Piston & Pin Assy. (Std)(2:34* Bore) 14 34529 Piston, Pin & Ring Set (Std) (2:34* Bore) 14 34529 Piston, Pin & Ring Set (Std) (2:34* Bore) 15 32595 Ring Set (Std) (2:34* Bore) 15 32596 Ring Set (Std) (2:34* Bore) 15 32596 Ring Set (Std) (2:34* Bore) 16 7388 Ring Set (Std) (2:34* Bore) 17 32596 Ring Set (Std) (2:34* Bore) 18 530662C Bott, Connecting (Ind. 10 & 18) 18 650662C Bott, Connecting rol (2 each) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 24460 Seal, Oli 23 30531A Gasket, Cylinder cover <	8	27881		Spring, Valve
11 35224 Crankshaft 12 29783 Crankshaft (Used on early prod.) 13 27884 Gear, Crankshaft (Used on early prod.) 14A 32770B Piston & Pin Assy. (Std) (2344)(In cl.16) 14A 327771B Piston & Pin Assy. (Std) (CS) (Ind. 16) 14A 327723 Piston & Pin Assy. (Std) (CS) (Ind. 16) 14A 34529 Piston Pin & Ring Set (Std) (CS) (Ind. 16) 14 34520 Piston, Pin & Ring Set (Std) (CS) (SS) 15 32595 Ring Set (Std) (CS) (CS) 15 32595 Ring Set (C00 'OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy., Connecting (Ind. 10 & 18) 18 650682C Bolt, Connecting (Ind. 10 & 18) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2480 Seal. Oil 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 24840 Seal. Oil 23 31451A Cylinder Cover (Incl.30, 106, 178, 17 9 & 180) 24 24840 Seal. Oil 23 <td< td=""><td>9</td><td>32581</td><td></td><td>Cap, Lower valve spring</td></td<>	9	32581		Cap, Lower valve spring
12 29783 Cankshaft Gear Fn (Used on early por od.) 13 27884 Gear. Cankshaft (Used on early por dd.) 14A 32771B Piston & Pin Assy. (Std.)(2-3/4*)(In d.16) 14A 32771B Piston & Pin Assy. (D20* OS) (Ind. 16) 14A 32771B Piston & Pin Assy. (D20* OS) (Ind. 16) 14 34528 Piston, Pin & Ring Set (101* OS) 14 34529 Piston, Pin & Ring Set (101* OS) 15 32595 Ring Set (010* OS) 15 32595 Ring Set (010* OS) 16 27888 Ring, Piston pin retaining 17 32597 Ring Set (010* OS) 18 60662C Bott. Connecting (Ind. 10 & 18) 18 60662C Bott. Connecting rol (2 each) 23 31451A Cylinder Cover (Ind.24, 106, 178, 17 9 & 180) 24 28460 Seal. OI 23 3034 Lifter Over 23 30283A "Gasket, Cylinder Cover 24 28460 Seal. OI 23 30283A "Gasket, Oil rol 23 30283A "Gasket, Oil rol	10	34242		Dipper, Oil
13 27884 Gear, Crankshaft (Used on early production) 14A 32777B Piston & Pin Assy, (Std.)(2-34°)(in d.16) 14A 32772B Piston & Pin Assy, (Std.)(2-34°)(in d.16) 14 34523 Piston, Pin & Ring Set (Std.) (2-34°)(in d.16) 14 34523 Piston, Pin & Ring Set (JOP' OS) 14 34523 Piston, Pin & Ring Set (JOP' OS) 15 32596 Ring Set (JOP' OS) 15 32597 Ring Set (JOP' OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650652C Bolt, Connecting (Incl. 10 & 18) 18 650652C Bolt, Connecting (Incl. 10 & 178, 17 9 & 180) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oil 29 29873 "Gasket, Cylinder cover 20 29673 "Gasket, Cylinder cover 23 31451A Colyinder field 23 29873 "Gasket, Cylinder cover 24 2460 Seal, Oil 29 29673 Cas	11	35224		
14A 32770B Piston & Pin Ass'y. (010' OS) (incl. 16) 14A 32771B Piston & Pin Ass'y. (010' OS) (incl. 16) 14 34523 Piston, Pin & Ring Set (010' OS) 14 34529 Piston, Pin & Ring Set (010' OS) 14 34529 Piston, Pin & Ring Set (010' OS) 15 32596 Ring Set (020' OS) 15 32596 Ring Set (020' OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy Connecting (Incl. 10 & 18) 18 650682C Bolt. Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Vaive 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oil 23 32977 Dipsitck (Incl. 30) 24 234034 'Gasket, Cylinder cover 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 34 32977 Dipsitck (Incl. 30) 27 30884 'Gasket, Cylinder read 34 32973 Cip. Conduit (Use as required)	12	29783		Crankshaft Gear Pin (Used on early pr od.)
14A 3277/1B Piston & Pin Ass'y. (102° OS) (ind. 16) 14 34528 Piston, Pin & Ring Set (Std) (2:34" Bore) 14 34529 Piston, Pin & Ring Set (100° OS) 14 34530 Piston, Pin & Ring Set (100° OS) 15 32596 Ring Set (100° OS) 15 32596 Ring Set (100° OS) 16 27888 Ring Set (00° OS) 17 32591C Rod Assy, Connecting (Ind. 10 & 18) 18 650652C Bolt, Connecting (Ind. 10 & 18) 18 650652C Bolt, Connecting (Ind. 10 & 18) 23 34451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Seal, Oil 25 31297 Dipstick (Ind. 30) 27 30684 "Casket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 3933A Head, Cylinder 31 203667A Screw, 5/16-18 x 2-142" (Use as required) 36 650697A Screw, 5/16-18 x 2-142" (Use as required) 36 650697A Screw, 5/16-18 x 2-142" (Use as required) 36 650695A Screw,	13	27884		Gear, Crankshaft (Used on early production)
14A 32772B Piston & Pin Assy. (202° OS) (Incl. 16) 14 34529 Piston, Pin & Ring Set (Std) (2-3/4" Bore) 14 34530 Piston, Pin & Ring Set (102° OS) 15 32595 Ring Set (Std) (2-3/4" Bore) 15 32596 Ring Set (Std) (2-3/4" Bore) 15 32596 Ring Set (Std) (2-3/4" Bore) 16 27886 Ring Set (Std) (2-3/4" Bore) 17 32591C Rod Assy., Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 30034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oil 27 30684 "Gasket, Oil fill 30 29673 "Gasket, Oil fill 31 32631A "Gasket, Oil fill 32 32633 Clip, Conduit (Use as required) 33 3938A Head, Cylinder 34 27733 Clip, Conduit (Use as required) 35 25942 Screw, 5/16-18 x 2-1/2" (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) <td>14A</td> <td>32770B</td> <td></td> <td>Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)</td>	14A	32770B		Piston & Pin Ass'y. (Std.)(2-3/4")(In cl.16)
14 34528 Piston, Pin & Ring Set (Std) (2:3/4" Bore) 14 34530 Piston, Pin & Ring Set (J010" OS) 15 32596 Ring Set (J010" OS) 15 32596 Ring Set (J010" OS) 16 32596 Ring Set (J010" OS) 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Bott, Connecting (Incl. 10 & 18) 18 650662C Bott, Connecting (Incl. 10 & 18) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oil 25 31297 Dipstick (Incl. 30) 26 500451 Screw, 1/4-20 x 1" 30 28673 " Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29873 " Gasket, Oylinder Cover 32 36531A " Gasket, Oylinder Cover 33 30938A Head, Cylinder 34 27793 Clip, Conduit (Use as required) 35 25942 Screw, 5/16-18 x 2-1/4" (Use as required) 36 6500695A Screw, 5/16-18 x 2-1/4" (Use as required)	14A	32771B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14 34528 Piston, Pin & Ring Set (Std) (2:3/4" Bore) 14 34530 Piston, Pin & Ring Set (J010" OS) 15 32596 Ring Set (J010" OS) 15 32596 Ring Set (J010" OS) 16 32596 Ring Set (J010" OS) 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Bott, Connecting (Incl. 10 & 18) 18 650662C Bott, Connecting (Incl. 10 & 18) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 2460 Seal, Oil 25 31297 Dipstick (Incl. 30) 26 500451 Screw, 1/4-20 x 1" 30 28673 " Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29873 " Gasket, Oylinder Cover 32 36531A " Gasket, Oylinder Cover 33 30938A Head, Cylinder 34 27793 Clip, Conduit (Use as required) 35 25942 Screw, 5/16-18 x 2-1/4" (Use as required) 36 6500695A Screw, 5/16-18 x 2-1/4" (Use as required)				
14 34529 Piston, Pin & Ring Set (0.02" OS) 14 34530 Piston, Pin & Ring Set (0.02" OS) 15 32555 Ring Set (0.10" OS) 15 32556 Ring Set (0.10" OS) 16 27888 Ring Set (0.20" OS) 17 32591C Rod Assy., Connecting rod (1.10 & 18) 18 60062C Bolt, Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 24460 Seal, Oil 25 31297 Dipstick (Incl. 30) 27 30684 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 30398A Head, Cylinder 31 30398A Head, Cylinder 32 26973 Screw, 5/16-18 x 2-1/2" (Use as required) 35 28942 Screw, 5/16-18 x 2-1/2" (Use as required) 36 650697A Screw, 5/16-18 x 2-1/4" (Use as required) 37 3656 Resistor Spack Plug (RJ-8C) 38				
14 34530 Piston, Pin & Ring Set (020" OS) 15 32596 Ring Set (010" OS) 15 32597 Ring Set (010" OS) 16 27888 Ring Set (020" OS) 17 32591C Rod Assy., Connecting (Incl. 10 & 16) 18 650662C Bolt, Connecting (Incl. 10 & 16) 23 34431 Lifter, Valve 23 34431A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Seal, Oil 25 31297 Dipstick (Incl. 30) 27 30684 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29673 * Gasket, Cylinder head 33 30938A Head, Cylinder cover 33 30938A Head, Cylinder 42 Z7793 Clip, Conduit (Use as required) 35 28942 Screw, 5/16-18 x 2-1/2" (Use as required) 36 650695A 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 3636 Resitor Spark Plug (RJ-8C) 38 </td <td>14</td> <td>34529</td> <td></td> <td>Piston, Pin & Ring Set (.010" OS)</td>	14	34529		Piston, Pin & Ring Set (.010" OS)
15 32595 Ring Set (Std) (2:3)44' Bore) 15 32597 Ring Set (0.10" OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Bolt, Connecting rod (2 each) 21 32115 Camshaft (MCR) 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 24400 Seal, Oil 25 31297 Dipstick (Incl. 30) 27 30684 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x1" 30 29673 * Gasket, Oil fill 32 32631A * Gasket, Oil fill 32 326336 Head, Cylinder head 33 39338A Head, Cylinder 34 27793 Clip. Conduit (Use as required) 35 28942 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 650695A Screw, 5/16-18 x 2-1/4" (Use as required) 37 3336 Reistor Spark Plug (RJ-8C) 38	14	34530		
15 32597 Ring Set (.020° OS) 16 27888 Ring, Piston pin retaining 17 32591C Rod Assy, Connecting (Incl. 10 & 18) 18 650662C Bolt, Connecting (Incl. 10 & 18) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Saal, Oil 25 31297 Dipstick (Incl. 30) 27 30684 * Gasket, Oil fill 30 29673 * Gasket, Oil fill 31 30393A Head, Cylinder head 33 30393A Feastet, Cylinder head 34 27733 Clip, Conduit (Use as required) 35 28942 Screw, 5/16-18 x 2-112° (Use as required) 36 650695A Screw, 5/16-18 x 2-112° (Use as required) 36 650695A Screw, 5/16-18 x 2'' (Use as required) 36 650695A Screw, 5/16-18 x 2'' (Use as required) 37 3636 Resistor Spark Plug (IR-8C) 38 27396A * Gasket, Breather <t< td=""><td>15</td><td>32595</td><td></td><td>Ring Set (Std.) (2-3/4" Bore)</td></t<>	15	32595		Ring Set (Std.) (2-3/4" Bore)
16 27888 Ring, Piston pin retaining 17 32591C Rod Assy., Connecting (not.) 10 & 18) 18 650662C Bolt, Connecting (not (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Seal, Oil 25 31297 Dipstick (Incl. 30) 26 50451 Screw, 1/4-20 x 1" 30 29673 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29673 * Gasket, Cylinder head 33 30938A Head, Cylinder head 33 30938A Head, Cylinder head 34 27793 Clip, Conduit (Use as required) 35 28942 Screw, 5/16-18 x 2-1/2" (Use as requi red) 36 650695A 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) 38 27896A * Gasket, Breather 40	15	32596		Ring Set (.010" OS)
17 32591C Rod Assy., Connecting (Incl. 10 & 18) 18 650662C Bolt, Connecting rod (2 each) 21 32115 Camshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Seal, Oil 25 31297 Dipstick (Incl. 30) 27 30684 * Gasket, Oil fill 30 29673 * Gasket, Oil fill 31 30938A Head, Cylinder cover 31 29333 Cilip, Conduit (Use as required) 32 32631A * Gasket, Oil fill 33 30938A Head, Cylinder 41 2842 Screw, 104-20 x 18' 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) 37 33636 Resistor Spark Plug (RJ-8C) 38 27896A * Gasket, Breather 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring </td <td>15</td> <td>32597</td> <td></td> <td>Ring Set (.020" OS)</td>	15	32597		Ring Set (.020" OS)
18 650662C Bolt, Connecting rod (2 each) 21 32115 Carnshaft (MCR) 22 34034 Lifter, Valve 23 31451A Cylinder Cover (Incl.24, 106, 178, 17 9 & 180) 24 28460 Seal, Oli 25 31297 Dipistick (Incl. 30) 27 30684 * Gasket, Cylinder cover 28 650451 Screw, 1/4-20 x 1" 30 29673 * Gasket, Oil fill 32 32631A * Gasket, Cylinder head 33 30938A Head, Cylinder 34 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 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 37 33636 Resistor Spark Plug (PL-8C) 38 27896A * Gasket, Breather 40 28423 Body, Breather 41 28425 Cover, Valve spring 42 650691 Washer, Flat (Use as required) 43 650128	16	27888		Ring, Piston pin retaining
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56 34662 Link, Throttle				
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	57	100100		Exhausi Auapiul Nii (11101.30, 123) (AS 189.)

	Part Number	Qty	Description
	30196		Screw, 5/16-18 x 3/4" (Use as require d)
59	29216		Locknut, 10-32
61	29826		Screw, 10-32 x 3/4"
	29642		Ring, Retaining
	30699C		Rod, Governor (Incl. 64 & 65)
	30700		Yoke, Governor
	650494		Screw, 6-40 x 5/16"
	29918		Washer, Lock #8 E.T.
	32447		Tube, Breather
68	32446		Grommet, Breather tube
69	29747B		Screw, 5/16-24 x 21/32"
70	32158E		Blower Housing (For elec.strt.)(Incl. 134,135)
	650815		Washer, Belleville
	8116		Nut, Hex
			-
13	29536		Blower Housing Baffle (Without electric starter knock-out)
			(Use as required)
73	35256A		Blower Housing Baffle (With electric starter knock-out) (Use
10	00200/1		as required)
			as required)
74	650561		Screw, 1/4-20 x 5/8"
75	31688A		* Gasket, Carburetor
	34443A		Solid State Assy. (Incl. 146)
	650872		Stud, Solid state mounting
			•
	611084		Flywheel
	650517		Screw, 1/4-20 x 27/32"
82	730561		Air Cleaner Kit (Incl. 38, 67A, 68, 83, 84A,85, 87, 88, 89, 156
			& 190A) (Use only on engines with an externally vented fully
			adjustable carburetor)
00	070704		* Coolect Air clooper
	27272A		* Gasket, Air cleaner
	34780		Elbow, Air cleaner
84A	34819		Elbow Assy., Air cleaner (Incl. 84, 90, 91, 92 & 92A)(Use in
			730561 assy. only)
05	650162		Serous 10.22 x 7/0"
	650163		Screw, 10-32 x 7/8"
	30675		Fitting, Breather
	34782		Filter, Air cleaner (Incl. 93)
88	34783		Filter, Pre-air
89	34781		Cover, Air cleaner
90	34699		Bracket, Air cleaner
	34698A		Gasket
92A			Pop Rivet (1/8" dia.) (Can be bought locally)
	650826		Stud, 1/4-20 x 6.20 threaded
	650825		Nut & Lockwasher, 1/4-20
	31342		Spring, Compression
	650549		Screw, 5-40 x 7/16"
100	29538		Base, Engine mounting
101	650542		Screw, 5/16-18 x 3/4"
	32401		Muffler
	391026		Muffler (Incl. 183, 184 & 185) (Thisspark arrester muffler can
			be used on any model)
	24246		Clip, Ground wire (Use as required)
105	34240		
			Shatt Mechanical governor
106	31845		Shaft, Mechanical governor
106 107	31845 30591		Gear Assy., Governor
106 107 108	31845 30591 30588A		Gear Assy., Governor Spool, Governor
106 107 108 109	31845 30591 30588A 35479		Gear Assy., Governor Spool, Governor Washer, Flat
106 107 108 109 110	31845 30591 30588A		Gear Assy., Governor Spool, Governor

		y Description
112	34159	Plate, Fuel tank mounting
113	650561	Screw, 1/4-20 x 5/8"
114	34186A	Fuel Tank (Incl. 115 & 168) NOTE: These tanks were built
		with different size fuel inlet openings. Tanks with the 1-3/16"
		I.D. opening use fuel cap 33032 or 34210. Tanks with the
		1-1/2" I.D. opening use fuel cap 35355.
	410144B	Fuel Cap (White Plastic) (Std)(Use as req.)
115	33032	Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as
		required)
115	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use
110		as required)
		· /
	35355	Fuel Cap (Red Plastic) (Use as requir ed)
	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
118	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
120	650128	Screw, 10-24 x 1/2"
121	30622A	Extension, Blower housing
125	27930A	* Gasket, Exhaust
126	30196	Screw, 5/16-18 x 3/4"
127	26073	Washer, Flat
	650694A	Screw, 5/16-18 x 2"
	32589	Key, Flywheel
	31843A	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	650599	Screw, 1/4-20 x 1-1/2"
	30747	Clip, Spark plug shorting
	650890	
	650665	Lockwasher, 5/16
		Screw, 1/4-15 x 7/8"
	30322	Locknut, 8-32
	29916	Clamp, Governor lever
	650821	Screw, 10-32 x 1/2"
	34663	Spring, Speed control
	34661	Link, Governor
	610118	Cover, Spark plug (Use as required)
	30939A	Cover Assy., Cylinder
	650513	Nut, Wing
	32125	Cup, Starter
	35009	Screen, Starter
	26460	Clamp, Fuel line (Use as required)
	31461	Bushing, Crankshaft
171	34664	Control Bracket (Incl. 98, 99, 144 & 172)
172	610973	Terminal Assy. (Use as required)
177	31793	Bearing, Ball
178	31855	Retainer, Bearing
179	650778	Washer, E.T. w/sealing compound
	650580	Locknut
	31792	Washer, Thrust
	650625	Washer, Thrust
	33323	Screen, Muffler (Use as required)
	650578	Screw, 8-18 x 3/8" (Use as required)
	33700	Cover & Tube, Muffler (Use as required)
	34870	Decal, Instruction Can be used on H70 with stamped steel
		starter
1000		
1000		Sidilei
	730571	Starter Muff Kit (Incl.188A,188B & 18 8C) Can be used on

Ref #	Part Number Qty	Description
188A	32203	Air Cleaner, Starter Can be used on H70 with stamped steel starter
188B	32204	Bracket, Starter air cleaner Can be used on H70 with stamped steel starter
190A 190D 191	35532 34704 34346 631021 632201	Decal, Name Decal, Air cleaner Decal, Instruction Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 75) (Refer to Division 5, Section A, page 176 for breakdown)
197	590420A	Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
199	611042	Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter kits listed above) (For use with Std. point ignition)
199	611085	Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter kits listed above) (For use with solid state ignition)
200	33239A	Gasket Set (Incl. items marked*)