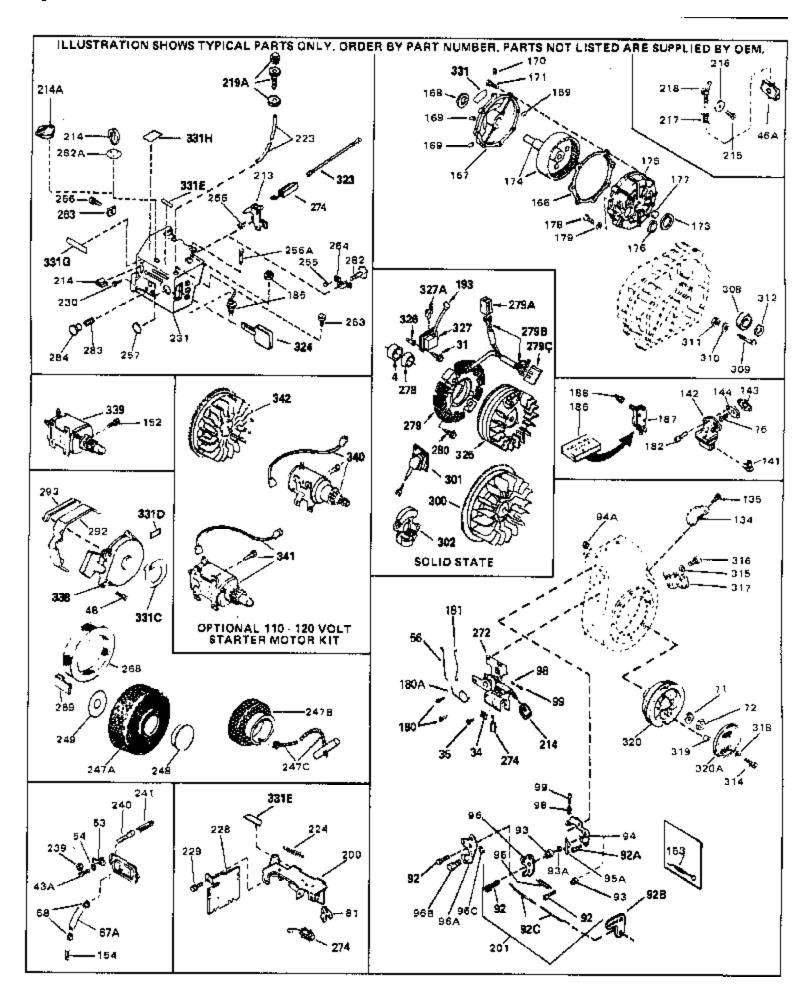


Ref # Part Number				
2 27652 Pin, Dowel 3 27642 Plug, Oil drain 4 23630 Seal, Oil 1 11ake Valve (Std.) (Incl. 9) 1 15 22784 Intake Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap, Upper valve spring 7 A 20810 Pin, Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Spring, Valve 9 32581 Cap, Lower valve spring 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 10 34242 Dipper, Oil 11 32774 Crankshaft Gear Pin (Early production) 12 27884 Search of Carl, Lower valve spring 13 27884 Crankshaft (Incl. 12 & 13) 13 27884 Crankshaft (Incl. 12 & 13) 14 2 29783 Crankshaft (Incl. 12 & 13) 14 34517 Plate, Dark Say, (Std.) (2-3/4*) (Incl. 16) 14 34518 Piston & Pin Assy, (LOT) CS) (Incl. 16) 14 34518 Piston & Pin Assy, (LOT) CS) (Incl. 16) 15 32596 Rips (Std.) (2-3/4* Bore) 16 32596 Rips (Std.) (2-3/4* Bore) 17 32591C Rod Say, (Std.) (Std			Qty	Description
3 27642 Plug, Oil drain 4 32630 Seal, Oil 5 32783 Intake Valve (Std.) (Incl. 9) 5 32784 Intake Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap, Upper valve spring 7A 20810 Pin Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 8 27881 Spring, Valve 9 32581 Cap, Lover valve spring 10A 32581 Cap, Lover valve spring 10A 32590 Plate, Lock & Oil disper (This plate may be replaced by 34242 oil disper to 650662C screw must be used.) 10 34242 Disper, Oil 11 32774 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft (Used in early production) 13 27894 Gear, Crankshaft (Used in early production) 14 32593B Piston & Pin Assy, (Std.) (2-34" Bore) 14 32594B Piston & Pin Assy, (10" (O" OS) (Incl. 16) 14 34519 Piston & Pin Assy, (10" (O" OS) (Incl. 16) 15 32595 Ring Set (Std.) (2-34" Bore) 16 32596 Ring Set (Std.) (2-34" Bore) 17 32591 Ring Set (Std.) (2-34" Bore) 18 32596 Ring Set (Co20" OS) 19 32597				
4 32630 Seal, Oil 5 32783 Intake Valve (Std.) (Incl. 9) 6 278784 Exhaust Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap. Upper valve spring 7 20810 Pin, Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap. Upper valve spring 9 32581 Cap. Upper valve spring 9 32581 Cap. Upper valve spring 10 342590 Plate the spring Plate the spring Plate may be replaced by 34242 oil dipper (This plate may be replaced by 34242 oil dipper but 650662C stream must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Use 12 & 13) 12 27884 Crankshaft (Use 12 & 13) 13 27884 Crankshaft (Gaer Pin (Early production) 14 32593B Plate (Incl. 12 & 13) 14 32593B Plate (Incl. 12 & 13) 15 27884 Crankshaft Gaer Pin (Early production) 16 32593B Plate (Incl. 12 & 13) 17 32593B Plate (Incl. 16) 18 34517 Plate (Incl. 16) 18 34517 Plate (Incl. 16) 19 14 34519 Plate (Incl. 16) 18 34519 Plate (Incl. 16) 19 15 32596 Ring Set (1010" OS) (Incl. 16) 19 15 32596 Ring Set (1010" OS) 15 32596 Ring Set (1010" OS) 16 32597 Ring Set (1010" OS) 17 32591 Ring Set (1010" OS) 18 66662C Rod Assy, Connecting (Incl. 10 & 18) 28 314514 Cylinder cover Screen, 14-20 x 158" 29 314514 Cylinder cover Screen, 14-20 x 158" 20 3084 Plate (Incl. 14-20 x 1-14" 20 32673 Ring Set (1010" OS) 20 3084 Plate (Incl. 14-20 x 1-14" 20 32673 Ring Set (1010" OS) 21 32115 Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 22 3460 Seal, Oil (Incl. 30) 23 34514 Cylinder cover Screen, 14-20 x 1-14" 24 28460 Seal, Oil Riller 25 31297 Dipotick, Cylinder head 26 65048 Screen, 14-20 x 1-14" 26 32647 Screen, 16-12 x 150 sea required) 27 3216 Screen, 16-12 x 150 sea required) 28 32631 A Reserved as required 29 32423 Screen, 16-12 x 150 sea required) 30 3084 Screen, 16-12 x 150 sea required) 30 30864 Screen, 16-12 x 150 sea required) 31 30 30864 Screen, 16-12 x 150 sea required) 32 32514 Scre				
5 32783 Intake Valve (Std.) (Incl. 9) 5 32784 Intake Valve (1/32° CS) (Incl. 9) 6 27876A Exhaust Valve (1/32° CS) (Incl. 9) 7 27882 Exhaust Valve (1/32° CS) (Incl. 9) 7 27882 Cap. Upper valve spring 7 A 20810 Pin. Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap. Lower valve spring 10A 32581 Cap. Lower valve spring 10A 32590 Pister (Incl. 8) Pister (Incl. 8) 10 34242 Dipper, Oil 11 32774 Crankshaft (Incl. 12 & 13) 12 27884 Cap. Lower valve spring 13 27884 Cap. Lower valve spring 14 32593 Pister (Incl. 12 & 13) 13 27884 Cap. Lower valve spring 14 32593 Pister (Incl. 12 & 13) 14 32593B Pister (Incl. 12 & 13) 15 27884 Cap. Lower valve spring 16 2893B Pister (Incl. 12 & 13) 16 2893B Pister (Incl. 12 & 13) 17 2894 Cap. Lower valve spring 18 4 34518 Pister (Incl. 12 & 13) 19 2894B Pister (Incl. 12 & 13) 19 2895B Pister (Incl. 12 & 13) 10 34518 Pister (Incl. 12 & 13) 11 3 27884 Pister (Incl. 12 & 13) 11 4 34518 Pister (Incl. 12 & 13) 12 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3	27642		Plug, Oil drain
5 32784 Intake Valve (1/32" OS) (Incl. 9) 6 27878A Exhaust Valve (1/32" OS) (Incl. 9) 6 27880A Exhaust Valve (1/32" OS) (Incl. 9) 7 27882 Cap. Upper valve spring 7 A 20810 Pin. Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap. Upper valve spring 9 32581 Cap. Upper valve spring 10A 32590 Pale, Lock & Oil dipper (This plate may be replaced by 3/42/2 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Gad Pin (Early production) 12 27884 Cap. Lower valve spring 13 27884 Crankshaft (Gad Pin (Early production) 14 32593 Crankshaft (Gad Pin (Early production) 15 27884 Crankshaft (Gad Pin (Early production) 16 3442 Dipper, Oil 17 32593 Piston & Pin Assy. (010" OS) (Incl. 16) 18 43 43593B Piston & Pin Assy. (010" OS) (Incl. 16) 19 43 4517 Piston, Pin Assy. (010" OS) (Incl. 16) 19 43 4519 Piston, Pin & Ring Set (010" OS) 15 32596 Ring Set (010" OS) 15 32596 Ring Set (010" OS) 16 32597 Ring Set (020" OS) 17 32591 Ring Set (020" OS) 18 66662C Screw, Toneching (Incl. 10 & 18) 28 314514 Cap. Cap. Cap. Cap. Cap. Cap. Cap. Cap.	4	32630		Seal, Oil
5 32784 Intake Valve (1/32" OS) (Incl. 9) 6 27878A Exhaust Valve (1/32" OS) (Incl. 9) 6 27880A Exhaust Valve (1/32" OS) (Incl. 9) 7 27882 Cap. Upper valve spring 7 A 20810 Pin. Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap. Upper valve spring 9 32581 Cap. Upper valve spring 10A 32590 Pale, Lock & Oil dipper (This plate may be replaced by 3/42/2 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Gad Pin (Early production) 12 27884 Cap. Lower valve spring 13 27884 Crankshaft (Gad Pin (Early production) 14 32593 Crankshaft (Gad Pin (Early production) 15 27884 Crankshaft (Gad Pin (Early production) 16 3442 Dipper, Oil 17 32593 Piston & Pin Assy. (010" OS) (Incl. 16) 18 43 43593B Piston & Pin Assy. (010" OS) (Incl. 16) 19 43 4517 Piston, Pin Assy. (010" OS) (Incl. 16) 19 43 4519 Piston, Pin & Ring Set (010" OS) 15 32596 Ring Set (010" OS) 15 32596 Ring Set (010" OS) 16 32597 Ring Set (020" OS) 17 32591 Ring Set (020" OS) 18 66662C Screw, Toneching (Incl. 10 & 18) 28 314514 Cap. Cap. Cap. Cap. Cap. Cap. Cap. Cap.	5	32783		Intake Valve (Std.) (Incl. 9)
6 27878A Exhaust Valve (SIZ*) (Ind. 9) 7 27882 Exhaust Valve (IXZ*) (205) (Ind. 9) 7 27882 Cap, Upper valve spring 7A 20810 Pn, Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap, Lover valve spring 10A 32580 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650682C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Ind. 12 & 13) 12 29783 Crankshaft (Used in early production) 13 27884 Crankshaft (Used in early production) 14 32592B Piston & Pin Assy, (1010*) (23-44*) (Ind. 16) 14 34518 Piston & Pin Assy, (1010*) (23) (Ind. 16) 14 34519 Piston & Pin Assy, (1010*) (25) (Ind. 16) 14 34518 Piston Pin & Ring Set (1010*) (Oil Oil Oil Oil Oil Oil Oil Oil Oil Oil				, , ,
6 27880A 7 27882 7 27882 Cap, Upper valve spring 7 27882 Cap, Upper valve spring 8 27881 Spring, Valve 8 27881 Spring, Valve 8 27881 Spring, Valve Spring Spring, Valve Sp				
7 27882 7 A 20810 7 A 20810 8 27881 8 A 27881 8 A 27881 8 A 27881 9 A 32581 9 A 32581 9 A 32581 10 Cap, Lower valve spring 10 A 32590 11 29784 12 Dipper, Oil 12 29783 13 277884 14 32592 15 Crankshaff (Incl. 12 & 13) 16 29783 17 Crankshaff (Incl. 12 & 13) 18 29784 19 29783 10 Crankshaff (Incl. 12 & 13) 19 29784 10 Crankshaff (Incl. 12 & 13) 10 29784 11 32774 12 29783 13 Crankshaff (Incl. 12 & 13) 14 29783 15 Crankshaff (Incl. 12 & 13) 16 29784 17 Crankshaff (Incl. 12 & 13) 18 277884 18 Crankshaff (Incl. 12 & 13) 19 29784 19 29783 10 Crankshaff (Incl. 12 & 13) 10 29784 11 327984 11 327984 11 327984 11 327984 11 32598B 11				
7A 20810 8 77881 8 77881 9 77881 8 A 27881 9 32581 9 32581 9 32581 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 505662C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Gear Pin (Early production) 12 29783 Crankshaft (Gear Pin (Early production) 13 27884 Crankshaft (Gear Pin (Early production) Gear, Crankshaft (Gear Pin (Early production) Gear, Crankshaft (Gear Pin (Early production) Gear, Crankshaft (Gear Pin (Early production) This gear is servication only being the service of the crankshaft. 14A 32592B Piston & Pin Assy, (Std.)(2-34") (In cl. 16) 14A 32593B Piston & Pin Assy, (101" O'S) (Incl. 16) 14 34517 Piston, Pin & Ring Set (010" O'S) (Incl. 16) 14 34518 Piston, Pin & Ring Set (020" O'S) 14 34519 Piston, Pin & Ring Set (020" O'S) 15 32595 Ring Set (010" O'S) Ring Set (010" O'S) Ring Set (010" O'S) Ring Set (010" O'S) Ring Set (020" O'S) Ring Set (0				, , ,
8 27881 8 A 27881 9 A 32581 9 A 32581 9 A 32581 10 Cap, Lower valve spring 10 A 32590 11 Cap, Lower valve spring 10 A 32590 11 32774 12 29783 13 27884 14 Cap, Lower loss of dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 11 32774 12 29783 13 27884 14 Crankshaft (Incl. 12 & 13) 15 27884 16 Crankshaft (Used in early production.) 16 A 32592B 16 A 32593B 17 Crankshaft (Used in early production.) 18 A 32593B 19 Piston & Pin Assy. (Cal) (C344*)(Incl. 16) 19 Piston & Pin Assy. (Cal) (C344*)(Incl. 16) 19 Piston & Pin Assy. (Cal) (C344*) Bore) 19 Piston, Pin & Ring Set (Cal) (C34*) Bore) 19 Piston, Pin & Ring Set (Cal) (C34*) Bore) 19 Piston, Pin & Ring Set (Cal) (C34*) Bore) 15 32596 15 32596 16 27888 17 32591C 18 60662C 21 32115 23 31451A 24 28460 28 606428 28 606488 29 2673 31 650489 32 32631A 4 Gasket, Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 32 52697 33 60684 34 5279 35 Care, Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 36 606995A 37 34251 38 27896A 39 28423 40 28423 40 28424 41 28425 40 28425 40 28424 41 28425 40 28424 41 28425 40 28425 40 28424 41 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28425 40 28426 50 Cap, Lower valve spring 50 pinter valve valve spring 50 pinter valve spring 50 pinter valve spring 50 pinter valve spring 50 pinter valve valve spring 50 pinter valve va				
8A 27881 9 32581 Cap, Lower valve spring Cap, Lower valve spring Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil Crankshaft (Incl. 12 & 13) Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Assiy. (Sid.)(2-3/4*)(In cl.16) Piston & Pin Assiy. (Sid.)(2-3/4*)(In cl.16) Piston & Pin Assiy. (Jo2*) (OS) (Incl. 16) Piston, Pin & Ring Set (Sid.) (2-3/4* Bore) Piston, Pin & Ring Set (Jo1*) (OS) Pisto				
9 32581 9A 32581 Qap, Lower valve spring 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Incl. 12 & 13) 12 29783 Crankshaft Gear Pin (Early production) Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B Piston & Pin Assy. (Std.)(2-34")(Incl. 16) 14A 32593B Piston & Pin Assy. (010" OS) (Incl. 16) 14A 32594B Piston & Pin Assy. (010" OS) (Incl. 16) 14A 32594B Piston & Pin Assy. (020" OS) (Incl. 16) 14A 32594B Piston & Pin Assy. (020" OS) (Incl. 16) 14A 34517 Piston, Pin & Ring Set (1010" OS) Piston, Pin & Ring Set (1010" OS) Piston, Pin & Ring Set (1010" OS) Piston, Pin & Ring Set (020" OS) Ring Set (020" OS) Ring Set (010" OS) Ring Set (010" OS) Ring Set (010" OS) Ring Set (020"				
9A 32581 10A 32590 Plate, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C screw must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Ind. 12 & 13) Crankshaft (Ind. 12 & 13) Crankshaft (Ind. 12 & 13) Crankshaft (Gear Pin (Early production) Gear, Crankshaft (Gear Pin (Early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32593B Piston & Pin Assy, (Std.)(2-344*)(In d.16) Piston & Pin Assy, (Col' OS) (Ind. 16) Piston & Pin Assy, (Col' OS) (Ind. 16) Piston, Pin & Ring Set (Gid.) (2-34* Bore) Piston, Pin & Ring Set (Ozo' OS) Ring Set (Gid.) (2-34* Bore) Piston, Pin & Ring Set (Ozo' OS) Ring Set (Std.) (2-34* Bore) Ring Set (Gid.) (2-34* Bore)				
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34242 idipper but 650662C screw must be used.) 10 34242				
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11 32774 12 29783 13 27884 14 29783 15 27884 16 Crankshaft (Incl. 12 & 13) 16 Crankshaft (Gear Pin (Early production) 17 Crankshaft (Used in early production) 18 2592B 18 Piston & Pin Assy. (Std.)(2-3/4")(Incl. 16) 19 Piston & Pin Assy. (Dol" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 19 Piston, Pin & Ring Set (Oto" OS) 10 Signed (Jozo" OS) 11 Signed (Jozo" OS) 12 Signed (Jozo" OS) 13 Signed (Jozo" OS) 14 Jakin (Jozo" OS) 15 Jakin (Jozo" OS) 16 Jakin (Jozo" OS) 17 Signed (Jozo" OS) 18 Piston, Pin & Ring Set (Jozo" OS) 19 Piston, Pin & Ring Set (Jozo"				34242 oil dipper but 650662C screw must be used.)
11 32774 12 29783 13 27884 14 29783 15 27884 16 Crankshaft (Incl. 12 & 13) 16 Crankshaft (Gear Pin (Early production) 17 Crankshaft (Used in early production) 18 2592B 18 Piston & Pin Assy. (Std.)(2-3/4")(Incl. 16) 19 Piston & Pin Assy. (Dol" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston & Pin Assy. (Lozo" OS) (Incl. 16) 19 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 19 Piston, Pin & Ring Set (Oto" OS) 10 Signed (Jozo" OS) 11 Signed (Jozo" OS) 12 Signed (Jozo" OS) 13 Signed (Jozo" OS) 14 Jakin (Jozo" OS) 15 Jakin (Jozo" OS) 16 Jakin (Jozo" OS) 17 Signed (Jozo" OS) 18 Piston, Pin & Ring Set (Jozo" OS) 19 Piston, Pin & Ring Set (Jozo"	10	24242		Dippor Oil
12 29783				
Gear, Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14A 32592B 14A 32593B 14A 32593B 14A 32594B 14A 32594B 14B Piston & Pin Assy. (.010° OS) (Incl. 16) 14B 34517 15B Piston & Pin Assy. (.020° OS) (Incl. 16) 14B 34518 14B Piston & Pin Assy. (.020° OS) (Incl. 16) 15B 32595 15B Piston, Pin & Ring Set (.010° OS) 15B 32596 15B 32596 15B 32596 15B 32597 16B 27888 17B 3251C 17B 3251				· · · · · · · · · · · · · · · · · · ·
servicable onlywhen it is pinned to the crankshaft. 14A 32592B 14A 32593B 14A 32593B 15ton & Pin Assy. (Std.)(2/34"/In cl.16) 14A 32594B 15ton & Pin Assy. (J010" OS) (Incl. 16) 14 34517 15ton, Pin & Ring Set (Std.) (2/34" Bore) 15ton, Pin & Ring Set (J010" OS) 14 34519 15ton, Pin & Ring Set (J010" OS) 15 32595 16 32596 17 32596 18 Ring Set (J010" OS) 18 32597 19 Ring Set (J010" OS) 19 Ring Set (J010" OS) 19 Ring Set (J010" OS) 10 27888 11 32591C 12 32591C 13 2215 23 34034 23 31451A 24 28460 25 31297 26 30684 27 32597 28 30684 28 650488 28 650488 28 650488 29 3025873 30 3083A 30 3083A 30 30933A 31 45793 32 32631A 33 30933A 34 27793 36 650695A 37 34251 38 27896A 39 28423 40 28421 39 28423 40 28421 40 28424 41 28425 40 2864 50 39 32424 50 50, Fin Assy. (J010" OS) (Incl. 30) 17 32591C 18 32596 18 32 32631A 38 27793 38 28423 58 28424 58 28424 58 28424 58 28424 58 28425 58 28425 58 28425 58 28426 58 39 28423 58 28423 58 28424 58 28424 58 28424 58 28425 58 28426 58 39 28423 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28425 58 28425 58 28426 58 39 38423 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28424 58 28425 58 28425 58 28425 58 28426 58 28426 58 28426 58 28427 58 28426 58 2842				
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14A 32593B				servicable onlywhen it is pinned to the crankshaft.
14A 32593B	14A	32592B		Piston & Pin Ass'v (Std.)(2-3/4")(In cl.16)
144 32594B 14 34517 14 34518 15 34518 16 34519 17 34518 18 19 19 15ton, Pin & Ring Set (.010" OS) 18 32595 19 15 32595 19 15 32596 19 16 27888 19 17 32591C 19 32515 10 236062C 21 32115 22 34034 23 31451A 24 28460 25 31297 26 30684 27 831297 26 30684 27 83297 28 3038A 31 650489 32 32631A 32 37938A 34 27793 35 28942 36 36 50695A 37 34251 38 27896A 39 28423 39 28423 39 28423 39 4815 Piston, Pin & Ring Set (.020" OS) Ring Set (.010" OS) Ring Set (.010" OS) Ring Set (.010" OS) Ring Set (.020" OS) Ring Set (.010" OS) Ring Set (.020" OS) Ring Set (.010" Os. Ring Set				
14 34517 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 14 34518 Piston, Pin & Ring Set (O10" OS) 15 32595 Ring Set (J20" OS) 15 32596 Ring Set (J20" OS) 15 32596 Ring Set (J01" OS) 16 27888 Ring Set (J01" OS) 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 "Gasket, Cylinder cover 28 650488 Screw, 1/4-20 x 1-1/4" 30 29673 "Gasket, Oil filler 31 30938A Head, Cylinder 32 3631A "Gasket, Cylinder head 33 30938A Head, Cylinder 36 650697A Screw, 5/16-18 x 2-1/2" (Use as required) 36 650694A Screw, 5/16-18 x 2-1/2" (Use as required) 37 34251 Resistor Spark Plug (RJ-8C) 38 27896A Screw, 5/16-18 x 2" (Use as required) 39 28423 Body, Breather 16 28424 Element, Breather 26 Cover, Valve spring				
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42 ZOU/S vvasner (Use as required)				
	42	20073		vvasiici (Use as requireu)

42 42A 43 45 46 47 50	Part Number 650691 650690 650128 27915A 30195A 30196 650548 32326A	Qty	Description Washer, Flat (Use as required) Washer, Belleville (Use as required) Screw, 10-24 x 1/2" * Gasket, Intake Flange, Carburetor (Incl. 79 & 80) Screw, 5/16-18 x 3/4" Screw, 8-32 x 5/16" Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207)
56 59 60 61 62 63A	30205 31710 29216 650152 29826 29642 30699C 30699B		Bracket, Adjusting Link, Throttle Nut, Lock, 10-32 Screw, 8-32 x 3/8" Screw, 10-32 x 3/4" Ring, Retaining Rod Assy., Governor (Incl. 64 & 65) Governor Rod Ass'y. (This one-piece governor rodis no longer used. It is replaced by 30699C ass'y.,Ref. no. 63A)
65 66 67 69 70 71 72	30700 650494 29918 35350 29747B 32158E 650815 8116 29536		Yoke, Governor Screw, 6-40 x 5/16" Lockwasher, #8 E.T. Tube, Breather Screw, 5/16-24 x 21/32" Blower Housing (For elec.star.)(Incl. 134,135) Washer, Belleville Nut, Hex 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)
75 79 80	650561 31688A 29752 650572 730164		Screw, 1/4-20 x 5/8" * Gasket, Carburetor Nut & Lockwasher Assy., 1/4-28 Screw, 1/4-28 x 1-1/8" Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B) (Use as required)
	27272A 31691		* Gasket, Air cleaner Bracket, Air cleaner NOTE: 130010 thru 10C & 11 used in early production only.
90 98 99 100 103 106 107 108 109 110 113	28820 31715 28569 29500 29538 32401 31845 30591 30588A 30590A 29193 650561 33350 410144B		Screw, 10-32 x 1/2" Body, Air cleaner Spring, Compression Screw, 8-32 x 3/4" Base, Engine mounting Muffler Shaft, Mechanical governor Gear Assy., Governor (Incl. 109) Spool, Governor Washer, Flat Ring, Retaining Screw, 1/4-20 x 5/8" Fuel Tank (Incl. 115 & 117A) Fuel Cap (White Plastic)(Std)(As requ ired)

Ref #	Part Number C	ty Description
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)
117A 118 118 119 120 121 124 125 126 127 128 129 130 131 133 149 150 193 205 209 266 270 273 274 275 287 287 331 331A	35355 33351 29774 30705 30962 33679 650128 30622A 650542 27930A 30196 26073 650694A 32589 31843A 650836 650493 30747 650890 610118 650561 30939A 26460 31461 31711B 610973 34043 27275 34246 550223 34346	Fuel Cap (Use as required) Valve, Fuel strainer & shut-off (Incl 119) Fuel Line (Braided 8-1/4" 21 cm)(Use as req.) Fuel Line (Braided 16") (41 cm) (Use as req.) Fuel Line (Braided 32") (81 cm) (Use as req.) Bushing, Fuel fitting Screw, 10-24 x 1/2" (Use as required) Extension, Blower housing Screw, 5/16-18 x 3/4" Gasket, Exhaust Screw, 5/16-18 x 3/4" Washer (Use as required) Screw, 5/16-18 x 2" (Use as required) Key, Flywheel Bracket, Governor gear Screw, 10-24 x 1/2" Screw, 1/4-20 x 1-3/4" Clip, Shorting Lockwasher Cover, Spark plug (Use as required) Screw, 1/4-20 x 5/8" (Use as required) Cover, Cylinder head Clamp, Fuel line Bushing, Crankshaft (Use as required) Copntrol Bracket (Incl. 98, 99 & 274) Terminal Ass'y. (As req. on late prod uction) Spring, Control lever Clip, Hi-tension wire (Use as required) Decal, Name Decal, Instruction Contact Assy., Breaker
334	30548B 631021 631453	Condenser Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 75) (Refer to Division 5, Section A, page 100 for breakdown)
337	610689A	Magneto 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 B, page 24 for breakdown)
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"
56	31710		Link, Throttle
71	650815		Washer, Belleville
72	8116		Nut, Hex
98	28569		Spring, Compression
99	29500		Screw, 8-32 x 3/4"
193	610118		Cover, Spark plug (Use as required)
247C	590343		Rope Assy., Starter
247B	28301		Pulley, Rope starter
263	650764		Nut, "U" Type (Use as required)
274	610973		Terminal Ass'y. (As req. on late prod uction)
308	31793		Bearing, Ball
309	31855		Retainer, Bearing
310	650778		Washer, Lock
311	650580		Nut, Lock
312	31792		Washer, Thrust
331	550223		Decal, Name
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)



Ref #	Part Number	Qty	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 requi red)
36	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
92	52023/1		51,66,132,164,165,207)
55	30205		Bracket, Adjusting
57	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.
	730127		Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89A, 90, 238 &
<u>5</u>			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)
93	27272A		* Gasket, Air cleaner
	34819		Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use
040	34019		in 730561 assembly only)
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	28820		Screw, 10-32 x 1/2"
	31700		Element, Air cleaner
	31715		Body, Air cleaner
	391026		Opt. Spark Arrest Muffler (Incl.196,1 97,199)
	33353		Bracket, Lower fuel tank
	650561		Screw, 1/4-20 x 5/8"
	33352A		Plate, Upper 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.)
	27930A		Gasket, Exhaust
	30196		Screw, 5/16-18 x 3/4"
	650694A		Screw, 5/16-18 x 2" (Use as required)
	650548		Screw, 8-32 x 5/16" (Early production)
146	792020		Screw, 1/4-20 x 2-1/4"
148	34067		Wire Assy., Alternator adapter (4-1/4 ")
148	34069		Wire Assy., Alternator adapter (6-3/4 ")
202	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)
266	26460		Clamp, Fuel line