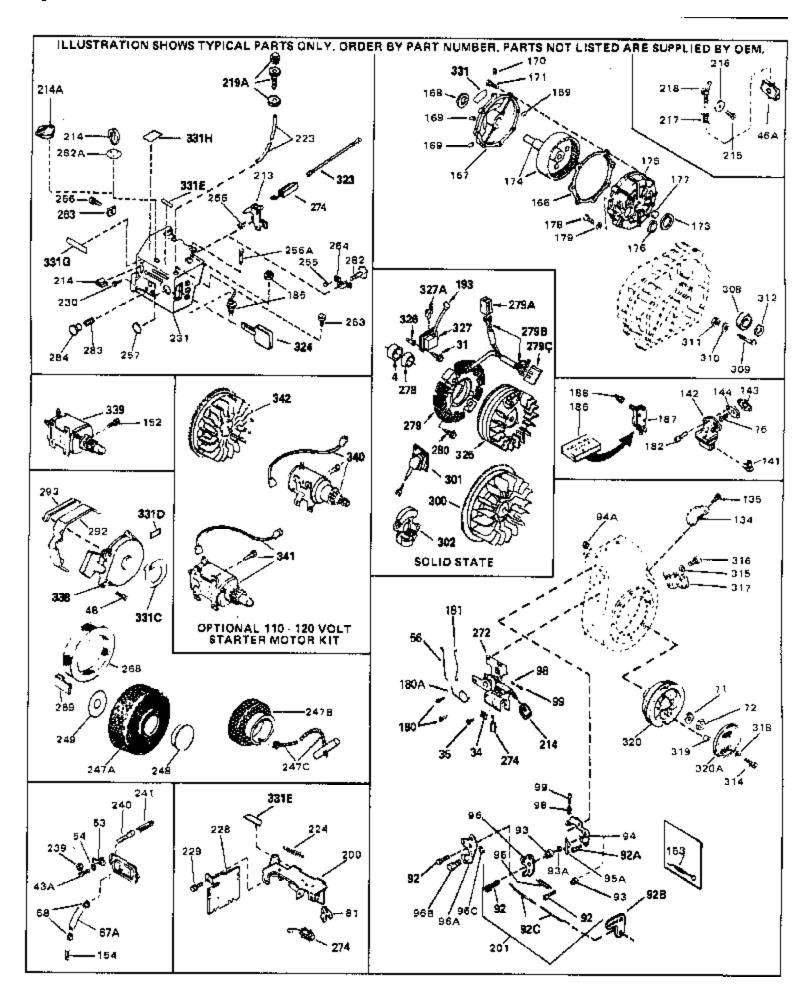


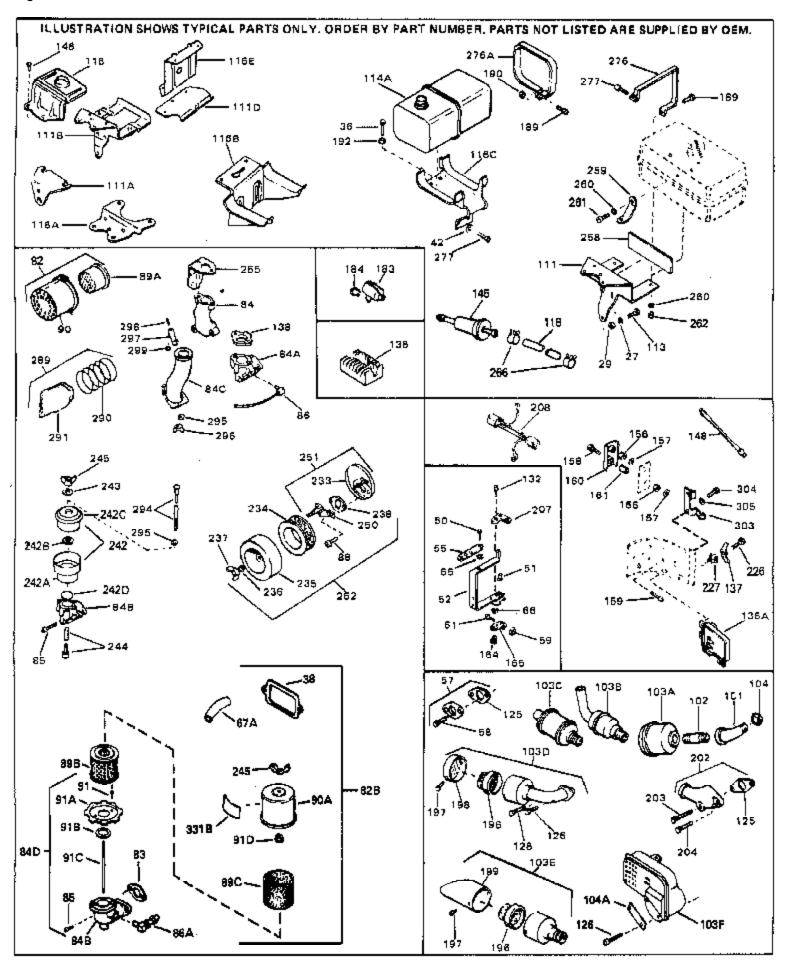
| Ref # Part Number | | | | |
|--|-----|---------|-----|---|
| 2 27652 Pin, Dowel 3 27642 Plug, Oil drain 4 23630 Seal, Oil 1 11ake Valve (Std.) (Incl. 9) 1 15 32784 Intake Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 7 27882 Cap, Upper valve 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 Ring Set (Std.) (2-34" Bore) 13 27884 Search Ring Set (Std.) (2-34" Bore) 14 34517 Piston, Pin & Ring Set (104" C34" Bore) 14 34519 Piston, Pin & Ring Set (104" C35) 14 34519 Piston, Pin & Ring Set (104" C35) 14 34519 Piston, Pin & Ring Set (104" C35) 14 32594B Piston & Pin Assy, (101" C35) (Incl. 16) 15 32595 Ring Set (30" C37" Ring Set (30" C37" (Incl. 16) 16 32596 Ring Set (30" C37" (Incl. 16) 17 32591C Rod Spring Set (10" C35" Ring Set (10" C35") 18 60063C Serve (Incl. 14" C34" (Incl. 16) 18 60063C Serve (Incl. 14" C34" (Incl. 16) 19 1510 Piston, Pin Rasy, (10" C30" (Incl. 16) 18 60063C Serve (Incl. 14" C34" (Incl. 16) 19 1510 Piston & Pin Assy, (10" C30" (Incl. 16) 18 60063C Serve (Incl. 14" C34" (Incl. 16) 19 1510 Piston, Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston, Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Assy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Assy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Assy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Piston & Pin Rasy, (10" C30" (Incl. 16) 19 1510 Pin Rasy, (10" C30" (Incl. 16) 19 1510 Pin Rasy, (10" C30" (Incl. 16) 19 1510 Pin Rasy, (10" | | | 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 9 32581 Cap, Lover valve spring 9 3 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) Crankshaft (Incl. 12 & 13) Crankshaft (Used in early production) 12 29783 Crankshaft (Used in early production) 13 27884 Gear, Crankshaft (Used in early production) 14 34519 Piston, Pin & Ring Set (Std.) (2-344" Bore) 14 34519 Piston, Pin & Ring Set (Otd) (Os) 14 32593B Piston, Pin & Ring Set (Otd) (Os) 14 32594B Piston & Pin & Ring Set (Otd) (Os) 15 32595 Ring Set (Std.) (2-34" Bore) 16 32596 Ring Set (Otd) (Os) 17 32591 Piston, Pin & Ring Set (Otd) (Os) 18 32596 Ring Set (Otd) (Os) 19 32597 Ring Set (Otd) (Os) 10 32597 Ring Set (Otd) (Os) 10 32597 Ring Set (Otd) (Os) 11 32597 Ring Set (Otd) (Os) 11 32597 Ring Set (Otd) (Os) 12 3115 Cap Ring Set (Otd) (Os) 13 31546 Little, Valve 14 32598 Sing Set (Otd) (Os) 15 32597 Ring Set (Otd) (Os) 16 27888 Ring, Piston pin retaining 17 32591 Card (Os) 18 60062C Screw, Connecting Incl. 10 & 18) 19 5049 Screw, 10 11 11 11 11 11 11 11 11 11 11 11 11 | | | | |
| 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 10 32590 Pale, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper but 650662C strew must be used.) 10 34242 Dipper, Oil 11 32774 Crankshaft (Use 150662C strew must be used.) 11 32774 Crankshaft Gear Pin (Early production) 12 27884 Crankshaft (Std.) (12-34" Bore) 13 27884 Crankshaft Gear Pin (Early production) 14 34517 Piston, Pin & Ring Set (Std.) (2-34" Bore) 14 34518 Piston, Pin & Ring Set (O10" OS) 14 34518 Piston, Pin & Ring Set (O10" OS) 14 32693B Piston, Pin & Ring Set (O20" OS) 14 32594B Piston & Pin Assy, (3012)-34" (Incl. 16) 15 32596 Ring Set (Std.) (2-34" Bore) 15 32596 Ring Set (Std.) (2-34" Bore) 16 27888 Ring Set (O20" OS) 16 27888 Ring Set (O20" OS) 17 23115 Cap. Piston, Pin & Ring Set (O20" OS) 18 2591C Rod Assy, Connecting (Incl. 10 & 18) 25 31451A Cylinder Cover (Incl. 24, 106, 309, 31 0 & 311) 26 2893 September 20 2893 Sep | | | | |
| 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 Pistor & Std. & Oll 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 27884 Cap. Lower valve spring 13 27884 Cap. Lower valve spring 14 34517 Pistor, Pin. & Ring Set (1010° CS) 14 34518 Pistor, Pin. & Ring Set (1010° CS) 14 34519 Pistor, Pin. & Ring Set (1010° CS) 14 34519 Pistor, Pin. & Ring Set (1010° CS) 14 34594B Pistor, Pin. & Ring Set (1010° CS) 15 32596 Pistor, Pin. & Ring Set (1010° CS) 16 32597 Pistor, Pin. & Ring Set (1010° CS) 17 32598 Pistor, Pin. & Ring Set (1010° CS) 18 32598 Pistor, Pin. & Ring Set (1010° CS) (Incl. 16) 19 32596 Ring Set (1010° CS) (Incl. 16) 19 32597 Ring Set (1010° CS) (Incl. 16) 19 32598 Ring Set (1010° CS) (Incl. 16) 19 32596 Ring Set (1010° CS) (Incl. 16) 19 32597 Ring Set (1010° CS) (Incl. 16) 19 32598 Ring Set (1010° CS) (Incl. 16) 19 32596 Ring Set (1010° CS) 10 32597 Ring Set (1010° CS) 11 32115 Carnshaft (MCR) 22 34034 Lifter, Valve 23 344514 Cylinder cover (Incl.24, 106, 309, 31 0 & 311) 24 24660 Set (1010° Cover (Incl.24, 106, 309, 31 0 & 311) 25 26963 Dipstick, Oll (Incl. 30) 26 26064 Gasket, Oll Inlier 27 360644 Gasket, Oll Inlier 28 360644 Gasket, Oll Inlier 29 362640 Screw, 176-18 x 2-1/2" (Use as required) 20 362640 Screw, 176-18 x 2-1/2" (Use as required) 20 362640 Screw, 576-18 x 2 (Use as required) 21 32161 Resistor Spark Plug (Ru-2c) (Rue as required) 22 362640 Screw, 576-18 x 2 (Use as required) 23 262641 Gasket, Oll Inlier 24 26462 Set (1010° Cover (Incl.24, 106, 309, 31 0 & 311) 25 26362 Screw, 176-18 x 2 -1/2" (Use as re | 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 Pisto. & Oil dipper (This plate may be replaced by 3/4242 oil dipper but 680662C screw must be used.) 10 34242 Dipper, Oil 1 32774 Crankshaft (Gar Pin (Early production) 11 32774 Crankshaft (Gar Pin (Early production) 12 27884 Cap. Lower valve spring 13 27884 Crankshaft (Gar Pin (Early production) 14 34517 Piston, Pin & Ring Set (301) (2-34" Bore) 14 34518 Piston, Pin & Ring Set (010" OS) 144 34518 Piston, Pin & Ring Set (020" OS) 144 32593B Piston, Pin & Ring Set (020" OS) 144 32593B Piston & Pin Assy, (301/2-34")(Incl.16) 15 32596 Ring Set (32) (2-34" Bore) 16 32596 Ring Set (32) (2-34" Bore) 17 32596 Ring Set (32) (2-34" Bore) 18 32597 Ring Set (32) (2-34" Bore) 19 32597 Ring Set (32) (2-34" Bore) 18 4369 Piston & Pin Assy, (010" OS) (Incl. 16) 19 5 32596 Ring Set (32) (2-34" Bore) 18 650662C Rod Assy, Connecting rod (2 each) 21 32115 Canshaft (MCR) 22 34034 Uiffer, Valve Canshaft (MCR) 23 314514 Cap. Connecting rod (2 each) 24 314514 Cap. Connecting rod (2 each) 25 2968 Dipstick (0) (Incl. 30) Dipstick (0) (Incl. 30) Dipstick (0) (Incl. 30) Society (1) (2-34" Society (1) (2-34" Society (2) (2-34" Society (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) | 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 Pisto. & Oil dipper (This plate may be replaced by 3/4242 oil dipper but 680662C screw must be used.) 10 34242 Dipper, Oil 1 32774 Crankshaft (Gar Pin (Early production) 11 32774 Crankshaft (Gar Pin (Early production) 12 27884 Cap. Lower valve spring 13 27884 Crankshaft (Gar Pin (Early production) 14 34517 Piston, Pin & Ring Set (301) (2-34" Bore) 14 34518 Piston, Pin & Ring Set (010" OS) 144 34518 Piston, Pin & Ring Set (020" OS) 144 32593B Piston, Pin & Ring Set (020" OS) 144 32593B Piston & Pin Assy, (301/2-34")(Incl.16) 15 32596 Ring Set (32) (2-34" Bore) 16 32596 Ring Set (32) (2-34" Bore) 17 32596 Ring Set (32) (2-34" Bore) 18 32597 Ring Set (32) (2-34" Bore) 19 32597 Ring Set (32) (2-34" Bore) 18 4369 Piston & Pin Assy, (010" OS) (Incl. 16) 19 5 32596 Ring Set (32) (2-34" Bore) 18 650662C Rod Assy, Connecting rod (2 each) 21 32115 Canshaft (MCR) 22 34034 Uiffer, Valve Canshaft (MCR) 23 314514 Cap. Connecting rod (2 each) 24 314514 Cap. Connecting rod (2 each) 25 2968 Dipstick (0) (Incl. 30) Dipstick (0) (Incl. 30) Dipstick (0) (Incl. 30) Society (1) (2-34" Society (1) (2-34" Society (2) (2-34" Society (2) (2) (2) (2) (2) (2) (2) (2) (2) (2) | 5 | 32783 | | Intake Valve (Std.) (Incl. 9) |
| 6 27878A Exhaust Valve (SIZ*) (old. 9) 6 27880A Exhaust Valve (SIZ*) (old. 9) 7 27882 Cap. Upper valve spring 7 A 20810 Pn. Valve spring retainer (Use as re quired) 8 27881 Spring, Valve 9 32581 Cap. Lover valve spring 10 A 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 (Incl. 12 & 13) 12 29783 Crankshaft (Used in early production) 13 27884 Crankshaft (Used in early production) 14 34517 Piston, Pin & Ring Set (Gizt) (2:34* Bore) 14 34518 Piston, Pin & Ring Set (Gizt) (2:34* Bore) 14 34519 Piston, Pin & Ring Set (Cito*) CoS) 14 34519 Piston, Pin & Ring Set (Cito*) CoS) 14 34598 Piston & Pin Assy, (1010*) COS) (Incl. 16) 15 32596 Piston & Pin Assy, (107*) COS) (Incl. 16) 15 32596 Ring Set (Cito*) CoS) 16 27888 Ring Piston & Pin Assy, (107*) COS) (Incl. 16) 17 32591 Ring Set (Cito*) CoS, Ping Set (Cito*) Cos, Pin | | | | |
| 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 8 27881 8 A 27881 8 A 27881 8 A 27881 8 A 27881 9 A 32581 9 A 32581 10 A 32590 10 A 32590 10 A 32590 10 A 32422 11 32774 11 32774 12 29783 12 29783 13 27884 14 34517 15 34518 16 34518 17 4 34518 18 34519 18 4 32592B 18 4 32592B 18 4 32592B 19 19 19 19 19 19 19 19 19 19 19 19 19 1 | | | | |
| 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 (Geat Pin (Early production) 12 29783 Crankshaft (Geat Pin (Early production) 13 27884 Crankshaft (Geat Pin (Early production) Gear, Crankshaft (Geat Pin (Early production) Gear, Crankshaft (Geat Pin (Early production) Gear, Crankshaft (Geat Pin (Early production) This gear is servication only being the service of the crankshaft. 14 34517 Piston, Pin & Ring Set (5010' OS) 14 34518 Piston, Pin & Ring Set (1010' OS) Piston, Pin & Ring Set (1010' OS) Piston & Pin Assy. (Std.) (2-344') (In cl. 16) Piston & Pin Assy. (Std.) (2-344') (In cl. 16) Piston & Pin Assy. (1010' OS) (Incl. 16) Piston & Pin Assy. (1010' OS) Pis | | | | |
| 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 27784 14 29783 15 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 34517 15 Carnishaft (Incl. 12 & 13) 16 Carnishaft (Used in early production.) 17 Carnishaft (Used in early production.) 18 Af517 19 Carnishaft (Used in early production.) 19 Carnishaft (Used in early production.) 19 Carnishaft (Used in early production.) 10 Carnishaft (Used in early production.) 10 Carnishaft (Used in early production.) 11 A 34517 12 Piston, Pin & Ring Set (310) (2-34" Bore.) 13 Carnishaft (Used in early production.) 14 34519 15 Piston, Pin & Ring Set (010" OS.) 16 Pin Assiv, (Sdl.) (2-34" Bore.) 17 A 34519 18 Piston, Pin & Ring Set (010" OS.) 19 Piston & Pin Assiv, (Sdl.) (2-34" Bore.) 19 Piston & Pin Assiv, (D20" OS.) 10 (Incl. 16) 11 A 32593B 11 Piston & Pin Assiv, (D20" OS.) 11 Carnishaft (Used in early production.) 11 Carnishaft (Used in early production.) 12 Carnishaft (Used in early production.) 13 Carnishaft (Used in early production.) 14 A 34517 15 Piston, Pin & Ring Set (010" OS.) 16 Piston, Pin & Ring Set (010" OS.) 16 Piston, Pin & Ring Set (010" OS.) 17 A 32594B 18 Piston Pin Assiv, (D30" OS.) 19 Piston, Pin Assiv, (D30" OS.) 19 Piston, Pin Assiv, (D30" OS.) 19 Piston, Pin Assiv, (D30" OS.) 10 Piston & Pin Assiv, (D30" OS.) 11 Carnishaft (Used in early production.) 11 Carnishaft (Used in early production.) 12 Carnishaft (Used in early production.) 13 Carnishaft (Used in early production.) 14 Carnishaft (Used in early production.) 15 Carnishaft (Used in early production.) 16 Carnishaft (Used in early production.) 17 Carnishaft (Used in early production.) 18 Carnishaft (Used in early production.) 19 Carnishaft (Used | | | | |
| 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. 12 29783 Crankshaft (Used in early production) This gear is servicable onlywhen it is pinned to the crankshaft. 14 34517 Piston, Pin & Ring Set (Std.) (2-34" Bore) Piston, Pin & Ring Set (1010" OS) Piston, Pin & Ring Set (1010" OS) Piston, Pin & Ring Set (102" OS) Piston & Pin Assy, (101" OS) (Incl. 16) Piston & Pin Assy, (101" OS) (Incl. 16) Piston & Pin Assy, (101" OS) Piston & Pin | | | | |
| 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. 14 34517 Piston, Pin & Ring Set (Std.) (2-34" Bore) Piston, Pin & Ring Set (O10" OS) Piston, Pin & Ring Set (O20" OS) Piston & Pin Assy, (Sd)(2-34")(in d.16) Piston & Pin Assy, (Sd)(2-34")(in d.16) Piston & Pin Assy, (O20" OS) (Incl. 16) Piston & Pin Assy, (O20" OS) Piston & Pin | | | | |
| 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. 14 34517 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) Piston, Pin & Ring Set (Otto" OS) Piston & Pin Assy, (Otto" OS) (Ind. 16) 14 34519 Piston & Pin Assy, (Otto" OS) (Ind. 16) 14A 32593B Piston & Pin Assy, (Otto" OS) (Ind. 16) 14A 32594B Piston & Pin Assy, (Otto" OS) (Ind. 16) 15 32595 Piston & Pin Assy, (Otto" OS) (Ind. 16) 15 32596 Ring Set (Std.) (2-3/4" Bore) Ring Set (Otto" OS) Ring Set (Otto" | | | | |
| Plaie, Lock & Oil dipper (This plate may be replaced by 34242 oil dipper to the 650662C screw must be used.) 10 34242 | | | | • |
| 34242 idipper but 650662C screw must be used.) 10 34242 | | | | |
| 10 34242 11 32774 12 29783 13 27884 14 34517 15 29783 16 2627 Crankshaft (Bear Pin (Early production) 17 2 29783 18 27884 19 Crankshaft (Bear Pin (Early production) 19 27884 29 27884 20 27884 20 27884 20 27884 20 27884 20 27884 20 27884 20 27884 20 27884 21 29783 21 29783 21 29783 21 29783 21 29783 22 27884 23 27884 24 28460 248 31546 25 2968 26 30884 26 505488 27 28784 28 28784 28 28784 28 28784 29 28784 29 28784 20 29673 20 29673 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 29674 21 297 | 10A | 32590 | | |
| 11 32774 12 29783 13 27884 14 34518 15 28785 16 287 Pin (Early production) 17 2884 18 29785 18 297864 19 29785 19 29785 10 298785 11 327884 29 29785 20 298785 20 298785 20 298785 20 298785 21 297885 21 297885 21 297885 21 297885 21 297885 21 297886 22 34034 23 34514 23 34514 23 34515 24 29868 25 29688 26 200885 26 26 278785 27886 28 29688 29 296785 29 29688 20 29673 20 29673 21 29688 21 29688 22 29688 23 34514 24 29460 25 29688 26 29688 26 29688 27 297885 28 29688 28 29688 29 29678 29 29 29678 29 29 29 29 29 29 29 29 29 29 29 29 29 2 | | | | 34242 oil dipper but 650662C screw must be used.) |
| 11 32774 12 29783 13 27884 14 34518 15 28785 16 287 Pin (Early production) 17 2884 18 29785 18 297864 19 29785 19 29785 10 298785 11 327884 29 29785 20 298785 20 298785 20 298785 20 298785 21 297885 21 297885 21 297885 21 297885 21 297885 21 297886 22 34034 23 34514 23 34514 23 34515 24 29868 25 29688 26 200885 26 26 278785 27886 28 29688 29 296785 29 29688 20 29673 20 29673 21 29688 21 29688 22 29688 23 34514 24 29460 25 29688 26 29688 26 29688 27 297885 28 29688 28 29688 29 29678 29 29 29678 29 29 29 29 29 29 29 29 29 29 29 29 29 2 | 10 | 24242 | | Dippor Oil |
| 12 29783 | | | | |
| Gear, Crankshaft (Used in early produ ction) This gear is servicable onlywhen it is pinned to the crankshaft. 14 34517 14 34518 15 Piston, Pin & Ring Set (Std.) (2-3/4" Bore) 14 34519 15 Piston, Pin & Ring Set (.020" OS) 14 32592B 16 Piston, Pin & Ring Set (.020" OS) 17 Piston, Pin & Ring Set (.020" OS) 18 Piston, Pin & Ring Set (.020" OS) 18 Piston, Pin & Ring Set (.020" OS) 19 Piston, Pin & Ring Set (.020" OS) 19 Piston, Pin & Ring Set (.020" OS) 10 Piston & Pin Assy. (.010" OS) (Incl. 16) 11 Sa2594B 11 Sa2595 12 Piston & Pin Assy. (.010" OS) (Incl. 16) 13 Sa2596 15 Sa2597 16 Z7888 17 Sa2597 18 Ring Set (.020" OS) 18 G7888 19 Piston pin retaining 17 32591C 18 G80682C 19 Sarew, Connecting (Incl. 10 & 18) 18 G80662C 20 Sarew, Connecting (Incl. 10 & 18) 21 Sa4034 22 34034 23 314514 24 28460 25 3464 26 36684 26 36684 26 36684 27 Gasket, Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) 28 28 650488 29 Sarew, 1/4-20 x 1-1/4" 30 29673 31 Gasket, Cylinder cover 32 Sag42 33 Sag314 34 Capter 35 Sag42 36 G80695A 37 34251 38 Z7896A 39 28423 39 28423 40 28424 40 28424 41 Element, Breather Cover, Valves pring | | | | |
| servicable onlywhen it is pinned to the crankshaft. 14 34517 | | | | |
| 14 34517 14 34518 15ton, Pin & Ring Set (Std.) (2-3/4" Bore) 14 34519 15ton, Pin & Ring Set (.010" OS) 14A 32592B 15ton, Pin & Ring Set (.020" OS) 14A 32593B 15ton & Pin Assy. (Std.) (2-3/4")(In cl.16) 15ton & Pin Assy. (Std.) (2-3/4")(In cl.16) 15ton & Pin Assy. (Std.) (2-3/4")(In cl.16) 15ton & Pin Assy. (.010" OS) (Incl. 16) 15ton & Pin Assy. (.010" OS) 15ton & Pin Assy. (.010" OS) 15ton & Pin Assy. (.020" OS) (Incl. 16) 17ton & Ring Set (.010" OS) 18ton & Pin Assy. (.020" OS) 18ton & Pin Assy. (.010" OS) 18ton Piston, Pin & Ring Set (.010" OS) 18ton & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton, Piston & Pin Assy. (.010" OS) 18ton & Pin Asy. (.010" OS) 18ton & Pin Assy. (.010" OS) 18ton & Pin Asy. (.010" OS) 18ton & Pin Asy. 19ton & Pin Assy. (.010" OS) 18ton & Pin Asty. 19ton & Pin Ast | 13 | 2/884 | | |
| 14 34518 14 34519 15 32592B 14A 32592B 15 15 32594B 15 32596 16 27888 17 32591C 18 66062C 21 32115 22 34034 23 31451A 24 28460 24 8 31546 25 2668 26 30684 26 50693A 26 560697A 27 36 560694A 27 36254 28 144 34519 28 1245 28 155 32594 28 16 50598A 28 1793 16 50598A 28 1793 16 50598A 28 16 50598A 28 1793 16 50598A 28 1793 16 50598A 28 1793 1793 1793 1793 1793 1793 1793 1793 | | | | servicable onlywhen it is pinned to the crankshaft. |
| 14 34518 14 34519 15 32592B 14A 32592B 15 15 32594B 15 32596 16 27888 17 32591C 18 66062C 21 32115 22 34034 23 31451A 24 28460 24 8 31546 25 2668 26 30684 26 50693A 26 560697A 27 36 560694A 27 36254 28 144 34519 28 1245 28 155 32594 28 16 50598A 28 1793 16 50598A 28 1793 16 50598A 28 16 50598A 28 1793 16 50598A 28 1793 16 50598A 28 1793 1793 1793 1793 1793 1793 1793 1793 | 14 | 34517 | | Piston, Pin & Ring Set (Std.) (2-3/4" Bore) |
| 143 4519 14A 32592B 14A 32593B 14A 32593B 14A 32593B 14A 32594B 15 | | | | |
| 14A 32592B 14A 32593B 14A 32594B 14A 32594B 15 32595 16 32595 17 32596 18 27888 18 28 21 202° OS) 18 27888 19 28 21 21 21 21 21 21 21 21 21 21 21 21 21 | | | | |
| 14A 32593B 14A 32594B 14A 32594B 15 32595 16 Piston & Pin Ass'y. (010° OS) (Incl. 16) 17 32596 18 Ring Set (Std.) (2-3/4" Bore) 18 32597 19 Ring Set (020° OS) 19 32597 19 Ring Set (020° OS) 19 32591C 19 32591C 19 32591C 20 34034 21 32115 22 34034 23 31451A 24 28460 25 29668 26 30584 26 31546 27 31546 28 31546 39 31546 30 30884 30 39673 31 650489 30 39673 31 650489 31 30938A 31 45793 31 528942 32 8942 33 650697A 35 7896A 36 650697A 37 34251 38 27896A 39 28423 39 28423 30 29673 39 28424 30 28678 30 28678 30 28678 30 28678 31 27896A 32 32631A 33 30336 36 863694A 37 34251 38 27896A 39 28423 39 28424 40 28424 41 28425 Cover, Valves pring Cover, Valves pring | | | | |
| 14A 32594B 15 32595 17 32596 18 Ring Set (Std.) (2-3/4* Bore) 18 32596 19 32597 19 32597 10 27888 10 32591 11 32591 12 32591 13 32591 14 650662C 15 32597 15 32597 16 27888 17 32591C 18 650662C 19 32115 20 34034 21 32115 22 34034 23 31451A 24 28460 25 314546 26 3684 27 3688 28 314546 29 31688 20 31898 20 30884 21 32598 22 36318 23 30388 24 318968 25 32631A 27793 26 50697A 27 3268 28 327896A 28 327896A 28 32842 39 28423 30 28424 30 28424 30 28424 30 28424 31 32597 31 Ring Set (Std.) (2-3/4* Bore) 31 Ring Set (O20" OS) 32 Ring Set (O20" OS) 32 Ring Set (O20" OS) 32 Ring Set (O20" OS) 34 Ring Set (O20" OS) 35 Ring Set (O20" OS) 36 Ring Set (O20" OS) 37 Ring Set (O20" OS) 38 Ring Set (O20" OS) 38 Ring Set (O20" OS) 38 Ring Set (O20" OS) 39 Ring Pitt (Rot Oo Os) 39 Ring Pitt (Rot Os Os) 39 Ring Pitt (Rot Os Os) 39 Ring Ring Pitt (Rot Os Os) 39 Ring Pitt (Rot Os Os) 30 Ring Pitt | | | | |
| Ring Set (Std.) (2'3/4" Bore) | | | | |
| 15 32596 Ring Set (.010" 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 29668 Dipstick, Oil (Incl. 30) 26 30684 * Gasket, Cylinder cover 28 650488 Screw, 1/4-20 x 5/8" 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 650695A Screw, 5/16-18 x 2-1/2" (Use as required) 36 650695A Screw, 5/16-18 x 2" (Use as required) | | | | |
| 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 29668 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 650489 Screw, 1/4-20 x 5/8" 32 32631A * Gasket, Oylinder head 43 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 | | | | |
| 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 Cylinder Cover (Incl.24, 106, 309, 31 0 & 311) Seal, Oil 24 28460 Seal, Oil 24B 31546 Bushing, Crankshaft (Use as required) 25 29668 Dipstick, Oil (Incl. 30) 26 30684 * Gasket, Cylinder cover 26 50488 Screw, 1/4-20 x 1/4* 30 29673 * Gasket, Oil filler 31 650489 Screw, 1/4-20 x 5/8" 32 32631A * Gasket, Cylinder head 43 33 30938A 4 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 650694A Screw, 5/16-18 x 2" (Use as required) 37 34251 Resistor Spa | | | | |
| 17 32591C 18 650662C Screw, Connecting (Incl. 10 & 18) 21 32115 Camshaft (MCR) 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 29668 Dipstick, Oil (Incl. 30) 26 30684 Screw, 1/4-20 x 1-1/4" 30 29673 Screw, 1/4-20 x 5/8" 31 650489 Screw, 1/4-20 x 5/8" 32 32631A Screw, 1/4-20 x 5/8" 33 30938A Head, Cylinder Head, Cylinder Clip, Conduit (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 2-1/4" (Use as required) | | | | Ring Set (.020" OS) |
| 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 29668 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 650489 Screw, 1/4-20 x 5/8" 32 32631A * Gasket, Cylinder head 43 33 30938A Head, Cylinder 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 650695A Screw, 5/16-18 x 2-1/2" (Use as requi red) 37 34251 Resistor Spark Plug (RJ-8C) 37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather cover 39 | 16 | 27888 | | |
| 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 29668 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 650489 Screw, 1/4-20 x 5/8" 32 32631A * Gasket, Cylinder head 43 33 30938A Head, Cylinder 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 650695A Screw, 5/16-18 x 2-1/2" (Use as requi red) 37 34251 Resistor Spark Plug (RJ-8C) 37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather cover 39 | 17 | 32591C | | Rod Assy., Connecting (Incl. 10 & 18) |
| 21 32115 | 18 | 650662C | | |
| 22 34034 | 21 | 32115 | | |
| 23 31451A | 22 | 34034 | | Lifter. Valve |
| 24 28460 24B 31546 24B 31546 25 29668 26 30684 27 30684 28 650488 29 5073 30 29673 31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650697A 36 650697A 37 34251 38 27896A 39 28423 28 2842 28 65048 Seal, Oil (Incl. 30) 8 Gasket, Cylinder cover 9 Gasket, Oil filler 9 Gasket, Oil filler 9 Gasket, Cylinder head 9 Head, Cylinder 9 Clip, Conduit (Use as required) 9 Screw, 10-32 x 3/8" (Use as required) 9 Screw, 5/16-18 x 2-1/2" (Use as required) 9 Screw, 5/16-18 x 2-1/2" (Use as required) 9 Screw, 5/16-18 x 2-1/4" (Use as required) 9 Screw, 5/16-18 x 2-1/2" (Use as require | | | | |
| 24B 31546 | | | | |
| 25 29668 | | | | |
| 26 30684 28 650488 30 29673 31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650697A 36 650695A 37 34251 37 34251 38 650488 38 Screw, 1/4-20 x 5/8" * Gasket, Cylinder head * Screw, 1/4-20 x 5/8" * Clip, Conduit (Use as required) * Screw, 5/16-18 x 2-1/2" (Use as required) * Screw, 5/16-18 x 2-1/2" (Use as required) * Screw, 5/16-18 x 2-1/4" (Use as required) * Screw, 5/16-18 x 2-1/2" (Use as requ | | | | |
| 28 650488 | | | | |
| 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 | | | | |
| 31 650489 32 32631A 33 30938A 34 27793 35 28942 36 650697A 36 650695A 37 33636 38 27896A 39 28423 30 2631A 31 8 Gasket, Cylinder head 32 Wide as required) 33 Crew, 10-32 x 3/8" (Use as required) 34 Clip, Conduit (Use as required) 35 Crew, 10-32 x 3/8" (Use as required) 36 650697A 37 Screw, 5/16-18 x 2-1/2" (Use as required) 37 Resistor Spark Plug (RJ-8C) 38 Resistor Spark Plug 39 28423 30 Body, Breather 40 28424 41 Element, Breather 41 28425 5 Cover, Valve spring | | | | • |
| 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" (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 | | | | |
| 33 30938A | | | | · |
| 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" (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 | | | | |
| 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 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 | | | | |
| 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 | | | | · |
| 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 | | | | |
| 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 | | | | |
| 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 | | | | Screw, 5/16-18 x 2-1/4" (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 | 36 | 650694A | | Screw, 5/16-18 x 2" (Use as required) |
| 37 34251 Resistor Spark Plug 38 27896A * Gasket, Breather cover 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring | | | | |
| 38 27896A * Gasket, Breather cover 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring | | | | , |
| 39 28423 Body, Breather 40 28424 Element, Breather 41 28425 Cover, Valve spring | | | | · |
| 40 28424 Element, Breather 41 28425 Cover, Valve spring | | | | |
| 41 28425 Cover, Valve spring | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | |
| 42 Z0073 vvasilei (Use as required) | | | | · · · |
| | 42 | 20013 | | vvasilei (Use as lequileu) |

| Ref # | Part Number | Qty | Description |
|-------|------------------|-----|--|
| 42 | 650691 | • | Washer, Flat (Use as required) |
| 42A | 650690 | | Washer, Belleville (Use as required) |
| 43 | 650128 | | Screw, 10-24 x 1/2" |
| 45 | 27915A | | * Gasket, Intake |
| | 30195A | | Flange, Carburetor (Incl. 79 & 80) |
| | 30196 | | Screw, 5/16-18 x 3/4" |
| | 650548 | | Screw, 8-32 x 5/16" |
| | 32326A | | Lever, Governor (New lever does not need 1 of |
| 02 | 0202011 | | 51,66,132,164,165,207) |
| 55 | 30205 | | Bracket, Adjusting |
| | 31710 | | Link, Throttle |
| | 29216 | | Nut, Lock, 10-32 |
| | 29826 | | Screw, 10-32 x 3/4" |
| | 29642 | | Ring, Retaining |
| | 30699C | | Rod Assy., Governor (Incl. 64 & 65) |
| | 30699B | | Governor Rod Ass'y. (This one-piece governor rodis no longer |
| | 300000 | | used. It is replaced by 30699C ass'y.,Ref. no. 63A) |
| | 30700 | | Yoke, Governor |
| 65 | 650494 | | Screw, 6-40 x 5/16" |
| 66 | 29918 | | Lockwasher, #8 E.T. |
| 67 | 35350 | | Tube, Breather |
| 69 | 29747B | | Screw, 5/16-24 x 21/32" |
| 70 | 32158E | | Blower Housing (For elec.star.)(Incl. 134,135) |
| 71 | 650815 | | Washer, Belleville |
| | 8116 | | Nut, Hex |
| | 29536 | | Blower Housing Baffle (without electric starter knock-out) |
| | 2000 | | (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 |
| | 29752 | | Nut & Lockwasher Assy., 1/4-28 |
| | 650572 | | Screw, 1/4-28 x 1-1/8" |
| | 730164 | | Air Cleaner Ass'y. (Incl. 60, 83, 87, 88, 89, 90A & 331B) |
| 02. | | | (Use as required) |
| 83 | 27272A | | * Gasket, Air cleaner |
| 98 | 28569 | | Spring, Compression |
| | 29500 | | Screw, 8-32 x 3/4" |
| | 29538 | | Base, Engine mounting |
| | 32401 | | Muffler |
| | 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 410144B | | Fuel Cap (Milita Plastic)/Std)/As required) |
| | 410144B | | Fuel Cap (White Plastic)(Std)(As required) |
| 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) |
| | 29683 | | Valve, Fuel shut-off |
| 11/A | 2000 | | vaivo, i uoi siiutoii |

| Ref # | Part Number | Qty | Description |
|-------|-------------|-----|---|
| | 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.) |
| 120 | 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" |
| | 650493 | | Screw, 1/4-20 x 1-3/4" |
| | 30747 | | Clip, Shorting |
| | 650890 | | Lockwasher |
| | 610118 | | Cover, Spark plug (Use as required) |
| | 650561 | | Screw, 1/4-20 x 5/8" (Use as required) |
| | 30939A | | Cover, Cylinder head |
| | 26460 | | Clamp, Fuel line |
| | 31461 | | Bushing, Crankshaft (Use as required) |
| | 31726B | | Control Bracket (Incl. 98, 99, 214 & 274) |
| | 610973 | | Terminal Ass'y. (As req. on late prod uction) |
| | 34043 | | Spring, Control lever |
| | 27275 | | Clip, Hi-tension wire (Use as require d) |
| | 34246 | | Clip, Ground wire (Use as required) |
| | 550223 | | Decal, Name |
| | 34346 | | Decal, Instruction |
| | 30547A | | Contact Assy., Breaker |
| | 30548B | | Condenser |
| | 631021 | | Inlet Needle, Seat & Clip Assy. |
| 336 | 631480 | | 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) |
| | | | |



| 27 36 36 36 38 42 42 50 51 | Part Number 27513 650697A 650695A 650694A 27896A 26073 650691 650548 30319 32326A | Qty | Description Lockwasher, 1/4" (Use as required) Screw, 5/16-18 x 2-1/2" (Use as requi red) Screw, 5/16-18 x 2-1/4" (Use as requi red) Screw, 5/16-18 x 2" (Use as required) * Gasket, Breather cover Washer (Use as required) Washer, Flat (Use as required) Screw, 8-32 x 5/16" Rivet, Split (Used in early productio n) Lever, Governor (New lever does not need 1 of 51,66,132,164,165,207) |
|--|---|-----|--|
| 57 58 59 61 66 | 30205 730130 30196 29216 29826 29918 730127 | | Bracket, Adjusting Exh.Adap.Kit (Incl. 58 & 125) (Use as req.) Screw, 5/16-18 x 3/4" (Use as require d) Nut, Lock, 10-32 Screw, 10-32 x 3/4" Lockwasher, #8 E.T. 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) |
| 84B | 27272A 32560 34819 | | * Gasket, Air cleaner Elbow, Air cleaner Air Cleaner Elbow (Incl. 84B, 86A, 91, 91A, 91B & 91C) (Use in 730561 assembly only) |
| 85 | 29786 | | Screw, 10-32 x 1-5/8" NOTE: 130010 thru 10C & 11 used in early production only. |
| 111 113 118 118 118 125 126 128 132 148 148 148 202 203 204 242C 242B 242C 242B 242A 242 242D 243 244 245 262 | 391026 31694 650561 29774 30705 30962 27930A 30196 650694A 650548 34067 34069 6201 31288 650697A 6021A 31669 31480 31670 32561 31479 27183 32562 9577 29752 26460 31697 | | Opt. Spark Arrest Muffler (Incl.196,1 97,199) Bracket, Fuel tank Screw, 1/4-20 x 5/8" 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.) Gasket, Exhaust Screw, 5/16-18 x 3/4" Screw, 5/16-18 x 2" (Use as required) Screw, 8-32 x 5/16" (Early production) Wire Assy., Alternator adapter (4-1/4") Wire Assy., Alternator adapter (6-3/4") Screw, 1/4-28 x 7/8" Exh. Adaptor Kit (Incl.125,203,204) (As req.) Screw, 5/16-18 x 2-1/2" (Use as required) Screw, 5/16-18 x 1-1/2" (Use as required) Cover, Oil bath cleaner "O" Ring Bowl, Oil bath cleaner Oil Bath A/C Ass'y.(Incl.242A,242B,24 2C.242D) Washer, Fiber Screw, 10-24 x 6-11/16" Nut, Wing Nut, Lock Clamp, Fuel line Strap, Fuel lank |
| 276 | 31697 | | Strap, Fuel tank |

| Pof # Port Number | Oty Description |
|-------------------|--|
| Ref # Part Number | Qty Description |
| 277 20242 | 0 11 11 0 4/4 00 7/40 |
| 277 29212 | Screw, Hex hd. Sems, 1/4-28 x 7/16 |
| 2 202.2 | 601011, 110X 1101 Collins, 17 1 20 X 17 10 |