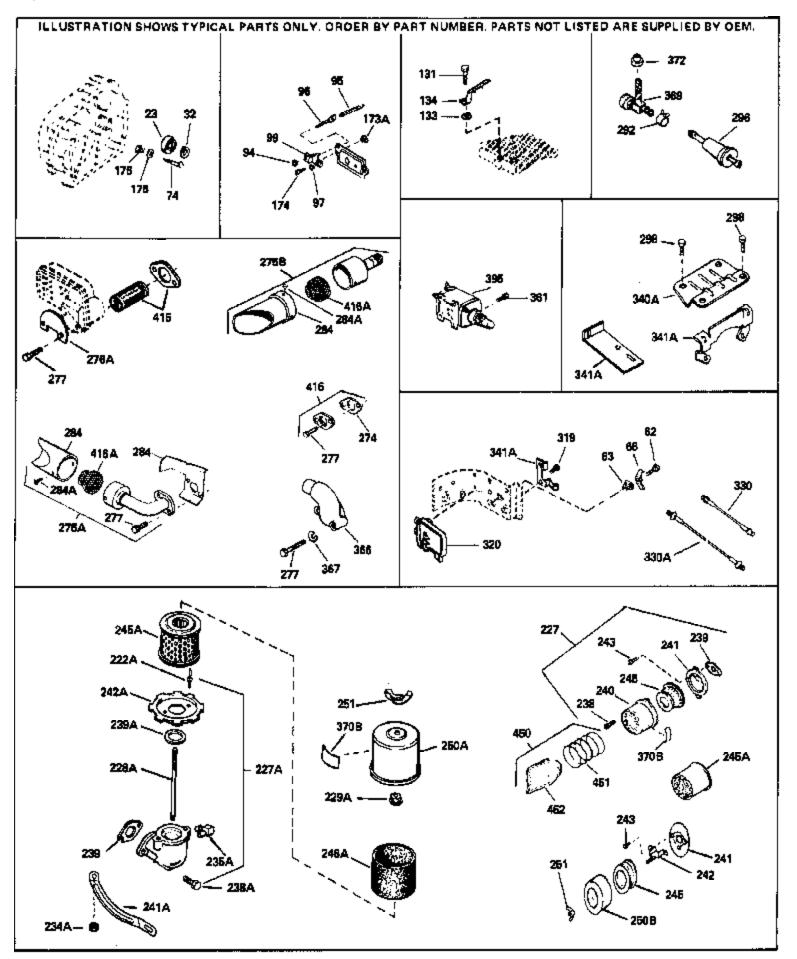


1 34348B Cylinder (Ind.2.20.72.72A) (3-1/8" B ore) 2 27652 Ph. Dowel 3 650820 Screw. 1/4-20.12" 4 30068 Nipple, Pipe 5 300690 Cap, Ol drain 15 300990C Rod Assy, Governor (Incl. 15A & 15B) 158 650494 Screw, 6-40.5716" 16 33454 Governor Lever Assy, 17 29316 Clamber Assy, 50 peed control 20 33630 Seal, Ol 21 36663 Spring, 50 peed control 23 32826 Screw, 10-32 X 34" 26 650561 Screw, 10-32 X 34" 26 50256A Balfle, Balter, How Thousing 36 28282 Canketsher, #0 & T. 37 28216 Lockwesher, #0 & T. 37 28218 Lockwesher, #0 & T. 38 29442 Pinton, Pin & Ring Set (010" OS) 40 34552 Pinton, Pin & Ring Set (010" OS) 41 34230A Pinton Asy, (Core OS)(Ind. 43) 41 34231A Pinton Asy, (Core OS)(Ind. 43)	Ref #	Part Number (Qty	Description
2 27652 Pin. Dovel 3 3650800 Screw. 1/4-20 X 12" 4 30068 Nipple, Pipe 5 30569 Cap. 101 drain 15 30070 Yoke, Governor 15 30589C Rod Assy, Governor (Incl. 15A & 15B) 158 650434 Carew, 6-40 x 5/16" 16 33454 Covernor Laver Assy, 17 29316 Carew, 6-32 x 5/16" 20 32630 Seal, Oil 21 324663 Spring, Speed control 22 325256A Battle, Blower housing 23 525256A Battle, Blower housing 24 626661 Screw, 10-32 x 3/4" 25 32719B Carekhard, Her, Yeeps" 26 626561 Nut & Lockwasher, #0-52 Yeeps" 37 29216 Lockwasher, #0 Set (3/1) (3-1/8") 38 29842 Ring, Retaining 40 34652 Piston, Pin & Ring Set (3/1) (3-1/8") 40 34554 Piston, Pin & Ring Set (3/1) (3-1/8") 41 34330A Piston & Pin Assy (1007 OS) (Incl. 43)	1			
3 650820 Sprew, 1/4-20, 1/2" 4 30068 Nipple, Pipe 5 30069 Cap, Ol drain 15A 30090 Yoke, Governor (Incl. 15A & 15B) 15B 650494 Screw, 5-40.8 5/16" 15B 650494 Screw, 5-40.8 5/16" 17 29916 Clamp, Governor Iever 18 650548 Spring, Speed control 20 32530 Seal, Oll 21 32556A Baffe, Blower housing 26 650561 Screw, 14-20.8 58" 30 33719B Carakshaft (Ind. 108 & 109) 32232 Lockwasher, 10-32 * Kaye* 36 29918 Lockwasher, 10-32 * Kaye* 37A 30322 Lockwasher, 10-32 * Kaye* 37A 30422 Ring, Retaining 40 34553 Piston, Pin & Ring Set (Std) (3-18") 41 34330A Piston & Pin Assy (1070* OS) 41 34330A Piston & Pin Assy (1070* OS) 41 34333A Ring Set (101* OS) 42 34332 Ring Set (101* OS) 41	2	27652		
4 30668 Nipple, Pipe 5 30669 Cap, Ol drain 15A 30700 Yoke, Governor 15 30589C Rod Assy, Governor (Incl. 15A & 15B) 158 650494 Screw, 6-40.5 Y16" 16 33454 Governor Lover Assy, 17 29216 Clamp, Governor Lover Assy, 18 505248 Screw, 53.2 X16" 20 22530 Seal, Oli 21 25256A Baffie, Blower housing 22 52526A Baffie, Blower housing 33 319B Crankshaf (Ind. 108 & 109) 35 252626 Screw, 10.32 X34" 36 25918 Lockwasher, #0.52 Keps" 37 29216 Nut & Lockwasher, #0.52 Keps" 38 29642 Ring, Retaining 40 34553 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (Std.) (3-1/8") 41 34330A Piston & Pin Assy, (Co20" OS) 41 34330A Piston & Pin Assy, (Co20" OS) 41 34330A Piston & Pin Assy, (Co20" OS) 42 34332 Ring Set (Co2" OS) 43 24333 Ring Set (Co2" OS) 41 34330A				
5 30999 Cap. Oli drain 153 30699C Rod Assy., Governor (Incl. 15A & 15B) 158 650444 Screw, 40x SrT6* 163 3454 Governor Lever Assy. 17 2916 Clamp, Governor Lever Assy. 18 650543 Spring, Speed control 233630 Seal, Oli Seal, Oli 233630 Seal, Oli Seal, Oli 233719B Crankshaft (Incl. 108 & 109) 242362 Sorew, 10-32 X 34* 252826 Screw, 10-32 X 44* 3629918 Lockwasher, # 8 E.T. 37A 30322 Lockwasher, # 8 E.T. 37A 30322 Lockwasher, # 8 E.T. 40 34553 Piston, Pin & Ring Set (0.107 '0.5') 40 34554 Piston, Pin & Ring Set (0.207 '0.5') 41 34330A Piston, Pin A Sing Set (Std.) (31-18') 41 34334 Piston, Pin A Sing Set (Std.) (31-18') 42 34332 Ring Set (1.020' '0.5) 42 34332 Ring Set (1.020' '0.5) 42 <td></td> <td></td> <td></td> <td></td>				
15A 30700 Yoke, Governor (Ind. 15A & 15B) 15B 650494 Screw, 6-40 x 5/16' 16 33454 Governor Lever Assy. 17 29316 Clamp, Governor lever 18 650343 Spring, Speed control 29316 Screw, 8-32 x 5/16' 203255A Baffe, Blower housing 23630 Seal, Oll 23631 Screw, 14/2 0x 5/8' 3033719B Charkshaft (Ind. 108 & 109) 35 28626 37A 30322 20322 Lockwasher, # 8 E.T. 37 20221 38 28642 39 Piston, Pin & King Set (010' OS) 40 34553 Piston, Pin & King Set (010' OS) 41 34330A Piston, Pin & King Set (010' OS) 41 34331A Piston, Pin & King Set (010' OS) 42 34333 Ring Set (010' OS) 43 34334 Piston, Pin & King Set (010' OS) 41 34331A Piston pin Relaining 42 34333 Ring Set (010' OS) 43 343334 Piston Sin				
15 30699C Rod Assy., Governor (Incl. 158.8, 158) 16 33454 Governor Lever Assy. 17 29916 Carry, Governor Lever Assy. 18 850549 Sorew, 8-32 x 5/16" 19 34663 Spring, Speed control 20 36300 Sel, Oll 21 3256A Baffle, Blower housing 26 60561 Screw, 14-20 x 58" 30 33719B Crankshaft (Incl. 108 & 109) 35 28226 Screw, 10-32 x 34" 36 29918 Lockwasher, # 8 E.T. 37 20216 Nut & Lockwasher, # 8 E.T. 37A 30322 Locknut, Her, "Keps", 8-32 38 28642 Ring, Retaining 40 34553 Piston, Pin & King Set (101° OS) 41 34330A Piston & Pin Assiy, (200° OS)(Incl. 43) 41 34330A Piston & Pin Assiy, (200° OS)(Incl. 43) 42 34332 Ring Set (101° OS) 42 34332 Ring Set (101° OS) 43 3232 Ring Set (101° OS) 43 3430A Piston & Pin Assiy, (201° OS)(Incl. 43) 41 34330A Piston & Pin Assiy, (201° OS)(Incl. 43) 42 34332 Ring Set (001° OS)				•
15B 650494 Screw, 6-40 x 5/16* 16 33454 Governor Lever Assy. 17 28916 Clamp, Governor Lever 18 650546 Screw, 8-32 x 5/16* 19 34663 Spring, Speed control 20 32630 Seal, Oll 21 32630 Seal, Oll 23 52826A Baffle, Blower housing 26 605661 Screw, 10-32 x 34* 20 33719B Crankshaft (Ind. 108 & 109) 35 29826 Screw, 10-32 x 34* 20 33719B Crankshaft (Ind. 108 & 109) 36 29918 Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, # 0-32 x (Strew) 38 29642 Ring, Retaining 40 34553 Piston, Pin & King Set (J010* OS) 41 34330 Piston, Pin & King Set (J010* OS) 41 34331A Piston, Pin A Sing Jost (Std)(Ind. 43)(-1.8*) 42 34333 Ring Set (J01* OS) 42 34331A Ring Set (J01* OS)				
16 33454 Governor Lever Assy. 17 29916 Clarp, Governor Lever 18 650548 Spring, Speed control 19 34633 Spring, Speed control 20 32530 Seal, Oll 25 35256A Baffle, Blower housing 26 6505661 Screw, 14/420 x 56" 30 33719B Crankshaft (Incl. 108 & 109) 35 39262 Screw, 10-32 x 34" 36 29918 Lockwasher, 10-32 "Keps" 37 29216 Nut & Lockwasher, 10-32 "Keps" 37A 30322 Locknut, Hex "Keps", 8-32 38 29642 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin A Sking Set (O10" OS) 41 34330A Piston & Pin Assy. (C020" OS) 41 34330A Piston & Pin Assy. (C020" OS) 42 3433 Ring Set (010" OS) 43 4333A Ring Set (010" OS) 43 3433 Ring Set (010" OS) 43 34333 Ring Set (0				
17 29916 Clamp, Governor lever 18 650564 Spring, Speed control 20 32830 Seal, Ol 21 32556A Baffle, Blower housing 26 650561 Screw, 14/20 x 56" 30 33719B Crankshaft (fnd, 108 & 109) 35 29826 Screw, 10/32 x 34" 36 29918 Lookwasher, #0.32 "Keps" 37 29216 Nut & Lookwasher, 10-32 "Keps" 37 30322 Looknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34553 Piston, Pin & Ring Set (1010' OS) 40 34553 Piston, Pin & Ring Set (1010' OS) 41 34330A Piston & Pin Assy. (1010' OS)(Incl. 43) 41 34332 Ring Set (010' OS) 42 34333 Ring Set (010' OS) 42 34334 Ring Set (010' OS) 42 34334 Ring Set (010' OS) 42 34334 Ring Set (010' OS) 43 3234 Ring Set (010' OS) 44 34334 Ring Set (020' OS) <				
18 650543 Spring, Speed control 23 26530 Seal, Oli 25 35255A Baffle, Blower housing 26 650561 Screw, 14-20 x 542* 30 33719B Crankshaft (Ind. 108 & 109) 35 25926 Screw, 10-32 x 34** 36 29918 Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, 10-32 Ykeps" 37 30322 Lockusher, # 8 E.T. 37 30322 Lockusher, # 7, 93 Ykeps" 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (100" OS) 41 34330A Piston & Pin Assy (Std?) (0-0S) (Incl. 43) 41 34330A Piston & Pin Assy (C00" OS) (Incl. 43) 42 34332 Ring Set (IC1" OS) 42 3433 Ring Set (IC1" OS) 43 3230A Piston & Pin Assy (C00" OS) (Incl. 43) 42 3433 Ring Set (IC1" OS) 43 4333 Ring Set (IC1" OS) 44 34334 Ring Set (IC1" OS) 45 32591C Rod				
19 34663 Spring, Speed control 20 36300 Sail, Oil 25 35256A Baffie, Blower housing 26 650561 Screw, 1/4-20 x 5/8' 30 33719B Crankshaft (not, 108 & 109) 35 29863 Screw, 10-32 x 3/4' 36 29918 Lockwasher, 4 & E.T. 37 29216 Nut & Lockwasher, 10-32 Ykeps'' 38 29642 Ring, Retaining 40 34553 Piston, Pin & Ring Set (010'' OS) 41 34329A Piston, Pin & Ring Set (010'' OS) 41 34330A Piston & Pin Assy, (1020' OS) 41 34331A Piston & Pin Assy, (020' OS) 42 34332 Ring Set (010'' OS) 42 34333 Ring Set (010'' OS) 42 34334 Ring Set (010'' OS) 43 23433 Ring Set (010'' OS) 44 34334 Ring Set (010'' OS) 42 34333 Ring Set (010'' OS) 43 234334 Ring Set (010'' OS) 44 34242 Dipper, Oil 53<				
20 32630 Selal_Oli 25 35256A Baffle, Blower housing 30 33719B Crankshaft (Ind. 108 & 109) 32 328266 Screw, 1(4-22 x 3/4" 36 29918 Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, # 9.52 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (020" OS) 41 34320A Piston & Pin Assy. (Std)(Ind. 43)(3-1.48") 41 34331A Piston & Pin Assy. (020" OS)(Ind. 43) 42 34332 Ring Set (100" OS) 42 34331A Piston & Pin Assy. (020" OS)(Ind. 43) 42 34332 Ring Set (020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy. Connecting Ind (2 pices) 44 34242 Dipper, Oil 50 34143 Camshaft (MCR) 63 3273A Extension, Blower housing 61 34126 </td <td></td> <td></td> <td></td> <td></td>				
25 35256A Baffle, Blower housing 26 650561 Screw, 1/4-20 x 5/8" 30 33719B Crankshaft (Ind. 108 & 109) 35 29826 Screw, 10-32 x 3/4" 36 29918 Lockwasher, 10-32 x 3/4" 37 29216 Nut & Lockwasher, 10-32 x 74" 37 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34553 Piston, Pin & Ring Set (010" OS) 41 34330A Piston & Pin Assy, (101" OS) (Incl. 43) 41 34330A Piston & Pin Assy, (101" OS) (Incl. 43) 41 34331A Piston & Pin Assy, (201" OS) 42 34332 Ring Set (020" OS) 42 34331A Piston & Pin Assy, (201" OS) (Incl. 43) 43 34331A Ring Set (020" OS) 42 34332 Ring Set (020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy, Connecting (Ind. 49) 47 560562C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49				
26 660661 Screw, 1/4-20 x 568" 30 33719B Crankshaft (Ind. 108 & 109) 32 29266 Screw, 10-32 x 3/4" 36 29918 Lockwasher, 10-32 'Keps" 37A 30322 Lockwasher, 10-32 'Keps" 37A 30322 Lockwasher, 10-32 'Keps" 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (O10' OS) 41 34330A Piston & Pin Assiy, (L01'' OS) (Incl. 43) 41 34330A Piston & Pin Assiy, (L02'' OS) (Incl. 43) 42 34331A Piston & Pin Assiy, (L02'' OS) 42 34332 Ring Set (C10'' OS) 42 34333 Ring Set (C20'' OS) 43 34334 Ring Set (C20'' OS) 42 34333 Ring Set (C20'' OS) 43 23788 Ring Piston & Pin Assiy, C010'' OS) 44 34334 Ring Set (C20'' OS) 45 32591C Rod Assy, Connecting (Incl. 49) 46 34034 Lifter, Valve 9 34242 Dipper, Oil 134143 C				
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35 29826 Screw, 10-52 x 34" 36 29918 Lackwasher, # 8 E.T. 37A 30322 Lockwasher, 10-32 "Keps" 37A 30322 Lockwasher, 10-32 "Keps" 40 34552 Piston, Pin & Ring Set (Std) (3-1/8") 40 34553 Piston, Pin & Ring Set (010" OS) 41 34329A Piston, Pin & Ring Set (010" OS) 41 34329A Piston & Pin Assy (101" OS)(Incl. 43) 41 34330A Piston & Pin Assy (101" OS)(Incl. 43) 42 34331 Piston & Pin Assy (101" OS)(Incl. 43) 42 34332 Ring Set (Std) (3-1/8") 42 34332 Ring Set (010" OS) 43 34334 Piston & Pin Assy (102" OS)(Incl. 43) 42 34332 Ring Set (020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy (Onecting rod (2 pieces) 48 34034 Lifter, Valve 934242 Dipper, Oil Dipper, Oil 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61				
36 29918 Lockwasher, # 032 "Keps" 37 29216 Nut & Lockwasher, 10-32 "Keps" 37A 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34553 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (L02" OS) 41 34320A Piston & Pin Assy. (Std.) (10-1.43)(-1/8") 41 34330A Piston & Pin Assy. (C02" OS) 42 34331A Piston & Pin Assy. (C02" OS) 42 34332 Ring Set (010" OS) 42 34334 Ring Set (010" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy. Connecting rod (2 pieces) 46 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61 34126 Bracket, Corromet mounting 62 650760 Screw, 6.32 x 36" 63 3267E Cylinder cover 71 33367B Screw,				
37 29216 Nut & Lockwasher, 10-32 "Keps" 37A 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (0.10" OS) 41 34329A Piston & Pin Assy. (Std.) (not. 43) 41 34330A Piston & Pin Assy. (Std.) (OS)(incl. 43) 42 34331A Piston & Pin Assy. (0.00" OS)(incl. 43) 42 34332 Ring Set (Std.) (3-1/8" Bore) 42 34333 Ring Set (0.10" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 650662C Bolt, Connecting rod (2 pieces) 48 4034 Lifter, Valve 49 34242 Dipper, Oil 60 33273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 3-32 * 36" 63 28545 Gerew, 6-32 * 31" 71 33367B Cylinder cover 71				
37A 30322 Locknut, Hex. "Keps", 8-32 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (.020" OS) 41 34329A Piston & Pin Assy. (Std)(Ind.43)(3-1.78") 41 34330A Piston & Pin Assy. (Std)(Ind.43) 41 34331A Piston & Pin Assy. (D10" OS)(Ind. 43) 42 34332 Ring Set (Std.) (3-1/8" Bore) 42 34332 Ring Set (JO1" OS) 42 34334 Ring Set (O10" OS) 42 34334 Ring Set (JO20" OS) 42 34334 Ring Set (JO20" OS) 42 34334 Ring Set (JO20" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 506662C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 60 33273A Extension, Blower housing 61 34126 Bracket, Grinmet mounting 62 60				
38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (020" OS) 41 34329A Piston, Pin & Ring Set (020" OS) 41 34330A Piston & Pin Assy. (Std.) (Incl. 43) 41 34330A Piston & Pin Assy. (101" OS) (Incl. 43) 42 34331A Piston & Pin Assy. (101" OS) (Incl. 43) 42 34332 Ring Set (101" OS) 42 34334 Piston & Pin Assy. (102" OS) (Incl. 43) 42 34334 Ring Set (101" OS) 42 34334 Ring Set (010" OS) 42 34334 Ring Set (010" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 650662C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 60 3273A Extension, Blower housing 61 34143 Carnshaft (MCR) 62 28545 Grommet, Plastic 63 <td< td=""><td></td><td></td><td></td><td>• •</td></td<>				• •
40 34552 Piston, Pin & Ring Set (Std) (3-1/8") 40 34553 Piston, Pin & Ring Set (0.10" OS) 41 34329A Piston, Pin & Ring Set (0.20" OS) 41 34330A Piston & Pin Assy. (Std)(Ind. 43)(3-1/8") 41 34330A Piston & Pin Assy. (0.20" OS)(Ind. 43) 42 34331 Piston & Pin Assy. (0.20" OS)(Ind. 43) 42 34332 Ring Set (0.10" OS) 42 34333 Ring Set (0.20" OS) 43 23433 Ring Set (0.20" OS) 43 23433 Ring Set (0.20" OS) 43 23433 Ring Set (0.20" OS) 43 23434 Ring Set (0.20" OS) 43 23433 Ring Set (0.20" OS) 43 23434 Ring Set (0.20" OS) 43 34242 Diper, Oil 53 32591C Rod Assy., Connecting rod (2 pieces) 44 34034 Lifter, Valve 49 34242 Dipper, Oil 53 3273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 <td< td=""><td></td><td></td><td></td><td></td></td<>				
40 34553 Piston, Pin & Ring Set (.010" OS) 40 34554 Piston, Pin & Ring Set (.020" OS) 41 34329A Piston & Pin Ass V.(Std)(Incl. 43)(S-1 / 8") 41 34330A Piston & Pin Ass V. (.010" OS)(Incl. 43) 41 34331A Piston & Pin Ass V. (.010" OS)(Incl. 43) 42 34332 Ring Set (.020" OS) 42 34333 Ring Set (.010" OS) 42 34333 Ring Set (.010" OS) 42 34334 Ring Set (.010" OS) 42 34334 Ring Set (.020" OS) 42 34334 Ring Set (.020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 46 34034 Lifter, Valve 9 34242 Dipper, Oil 60 33273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 10-24 x 3/8" 63 28545 Grownet, Plastic 64 20128 Screw, 10-24 x 1/2" 69 35262 "				
40 34554 Piston, Pin & Ring Set (.020" OS) 41 34329A Piston & Pin Assy. (Std)(Incl. 43) 41 34330A Piston & Pin Assy. (.010" OS)(Incl. 43) 41 34331A Piston & Pin Assy. (.010" OS)(Incl. 43) 42 34332 Ring Set (.010" OS) 42 34333 Ring Set (.010" OS) 42 34334 Ring Set (.020" OS) 42 34334 Ring Set (.020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Indl. 49) 46 34034 Lifter, Valve 47 650662C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 3273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 8-32 x 38" 63 32652 "Gasket, Cylinder cover 70 33367B Cylinder Cover (Incl. 71, 75, 80, 311 & 312) 71 33368				
4134329APiston & Pin Ass ⁷ . (Std)(Incl.43)(3-1 /8")4134330APiston & Pin Ass ⁷ . (Std)(Incl.43)4134331APiston & Pin Ass ⁷ . (O10" OS)(Incl. 43)4234332Ring Set (Std.) (3-1/8" Bore)4234333Ring Set (O10" OS)4234334Ring Set (O10" OS)4327888Ring, Piston pin retaining4532591CRod Assy., Connecting (Incl. 49)4634034Lifter, Valve4934242Dipper, Oil5034143Carnshaft (MCR)6033273AExtension, Blower housing6134126Bracket, Grommet mounting62650760Screw, $32 \times 38"$ 6328545Grommet, Plastic65650128Screw, $10-24 \times 1/2"$ 6935262* Gasket, Cylinder Cover7033367BCylinder Cover7133368Bushing, Crankshaft7227642Plug, Oil drain731950Seal, Oil8031845Shaft, Mechanical governor8130590AWasher, Flat8230591Gear Asy., Governor8429193Ring, Retaining86650833Screw, $1/4-20 \times 1-3/16"$ 87650832Screw, $1/4-20 \times 1-3/16"$ 8932589Key, Flywheel				
41 34330A Piston & Pin Assy. (.010" OS)(Incl. 43) 41 34331A Piston & Pin Assy. (.020" OS)(Incl. 43) 42 34332 Ring Set (.010" OS) 42 34333 Ring Set (.010" OS) 42 34334 Ring Set (.020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy, Connecting (Incl. 49) 47 650662C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 32273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 10-24 x 1/2" 63 28545 Grommet, Plastic 64 560128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Cylinder cover 70 3367B Cylinder Cover (Incl. 71, 75, 80, 311 & 312) 71 33368 Bushing, Crankshaft 72 27642 Plug, Oil drain 73 31950 Seal, Oil </td <td></td> <td></td> <td></td> <td></td>				
41 34331A Piston & Pin Assý. (020" OS)(Incl. 43) 42 34332 Ring Set (Std.) (3-1/8" Bore) 42 34333 Ring Set (C00" OS) 42 34334 Ring Set (0.00" OS) 42 34334 Ring Set (0.00" OS) 42 34334 Ring Set (0.00" OS) 43 27888 Ring Set (0.00" OS) 45 32591C Rod Assy., Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 8-32 x 3/8" 63 28545 Grommet, Plastic 64 56128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Cylinder cover 70 33368 Bushing, Crankshaft 72 27642 Plug, Oil drain 75 31950 Seal, Oil 81 30590A Washer, Flat 82 30591				
42 34332 Ring Set (Std.) (3 ¹ /8" Bore) 42 34333 Ring Set (010" OS) 42 34334 Ring Set (020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 650662C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61 34126 Bracket, Grommet mounting 62 650760 Screw, 8-32 x 3/8" 63 28545 Grommet, Plastic 64 3367B Cylinder Cover 70 33367B Cylinder Cover (Incl. 71, 75, 80, 311 & 312) 71 3368 Bushing, Crankshaft 72 27642 Plug, Oil drain 75 31950 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30590A Washer, Flat 82 30588A Spool, Governor 84 29193				
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87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel				•
89 32589 Key, Flywheel				
93 650863 Nut, Hex (1/2-20) (Add-on alternator)				
101 610118 Cover, Spark plug (Use as required)				
103 650489 Screw, 1/4-20 x 5/8"				
	105			

	Part Number Qty	
	29783	Pin, Crankshaft gear
109	33245	Gear, Crankshaft
110	34240	Ground Wire
119	34041A	* Gasket, Head
	34030A	Head, Cylinder
	27878A	Exhaust Valve (Std.) (Incl. 151)
	27880A	
		Exhaust Valve (1/32" OS) (Incl. 151)
	34035	Intake Valve (Std.) (Incl. 151)
	34036	Intake Valve (1/32" OS) (Incl. 151)
127A	26073	Washer, Flat (Use as required)
127A	650570	Washer, Flat (Use as required)
127	650691	Washer (Use as req., but not w/6021A screw)
	650690	Washer, Belleville
	650727	Screw, 5/16-18 x 1-3/4" (Use as required)
ISUA	6021A	Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
		650691 washer)
130	650694A	Screw, 5/16-18 x 2" (Use as required)
	650802	Screw, 1/4-20 x 5/8" (Use as required)
	650737	
		Screw, 1/4-20 x 1/2" (Use as required)
	650738	Screw, 1/4-20 x 5/8" (Use as required)
	650713	Screw, 5/16-18 x 5/8" (Use as require d)
131A	792028	Screw, 5/16-18 x 7/8" (Use as require d)
135	33636	Resistor Spark Plug (RJ17LM)
139	33369	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	27882	Cap, Upper valve spring
	35862	Seal Assy., Intake valve
	27881	Spring, Valve
	32581	Cap, Lower valve spring
169	27896A	* Gasket, Breather cover
170	28423	Body, Breather
171	28424	Element, Breather
	28425	Cover, Valve spring
	35350	Tube, Breather
	650128	Screw, 10-24 x 1/2"
	650597	Screw, 10-24 x 5/8"
	29752	Nut & Lockwasher, 1/4-28
	30593	Clip, Primer line (Use as required)
182	30088A	Screw, 1/4-28 x 1"
	33263	* Gasket, Carburetor
	33877	Pipe, Intake
	31342	Spring, Compression
	650549	Screw, 5-40 x 7/16"
	610973	Terminal Assy. (Use as required)
	27793	Clip, Conduit
211	28942	Screw, 10-32 x 3/8"
223	650378	Screw, Torx T-30, 5/16-18 x 1-1/8 "
	27915A	* Gasket, Intake pipe
	35447A	Blower Housing (For electric starter)
	650788	
		Screw, 5/16-18 x 3/4" (Use as require d)
	29747B	Screw, 5/16-24 x 21/32"
265	33272B	Cover, Cylinder head
	35056	Muffler
		Muffler (Optional quiet muffler)
275	35824	
275 275C		Muffler (Optional quiet muffler) Plate, Muffler locking
275 275C 276	31588	Plate, Muffler locking
275 275C 276 277A		

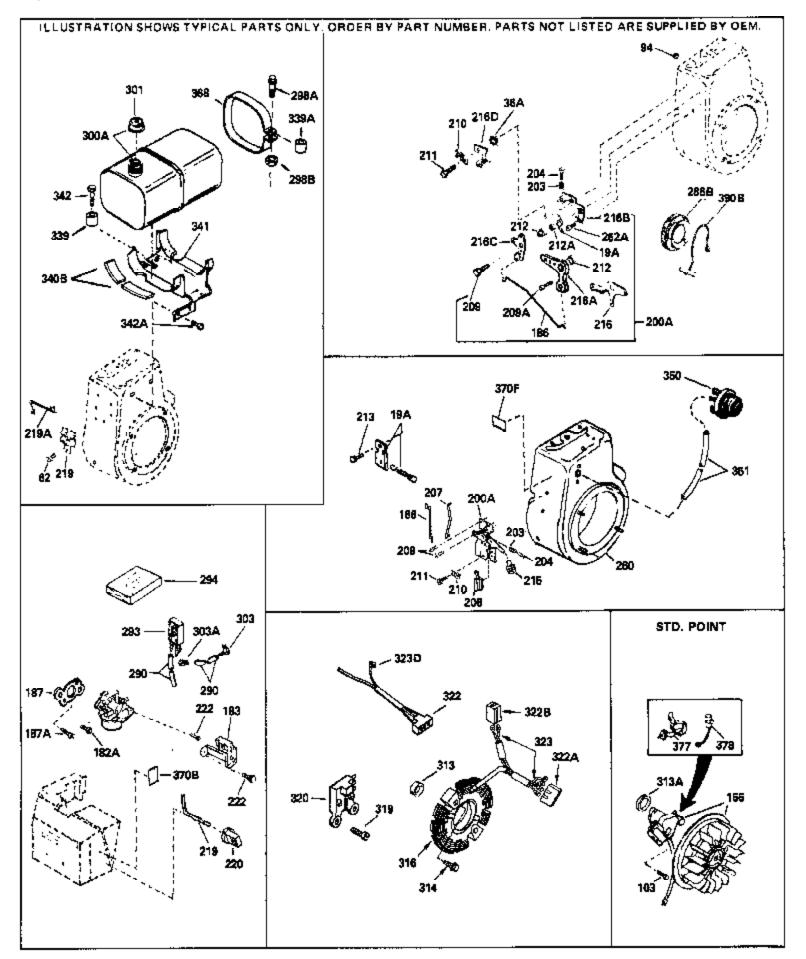
			Description
281	33013	(Cover, Starter bubble
282	650760		Screw, 8-32 x 3/8"
	33662		Hub & Screen Assy., Starter
	29752		Nut & Lockwasher, 1/4-28
	29774		Fuel Line (Braided 8-1/4")(21 cm)(As req.)
290	30705		Fuel Line (Braided 16")(41 cm)(Use as req.)
290	30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
	26460		Clamp, Fuel line (Use as required)
	650665		Screw, 1/4-15 x 7/8"
300	34156A		Fuel Tank (Incl. 292 & 301) NOTE: These tanks were
			builtwith different size fuel inlet openings. Tanks with the
			1-3/16" I.D. opening use fuel cap 34210. Tanks with the
			1-1/2" I.D. opening use fuel cap 35355.
	410144B		Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
301	33032		Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16
			I.D.)
004	0.404.0		
301	34210		Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
			(1-3/16" l.D)
201	35355		Fuel Cap (Red plastic) (1-1/2" I.D.)
	33893A		Tube, Oil fill
	33590		"O" Ring
310	34011A		Dipstick (Incl. 306)
325	29443	(Clip, Fuel line (Use as required)
	34246		Clip, Ground wire (Use as required)
	35593		Ignition Key
			•
	610973		Terminal Assy.
	35305		Wire, Ground
336	650765		Screw, 10-32 x 1/2"
337	35057A	(Cover, Carburetor
	28942		Screw, 10-32 x 3/8"
	34154		Plate, Fuel tank mounting
	34155		Bracket, Fuel tank mounting
	650561		Screw, 1/4-20 x 5/8"
355	590574		Handle, Mitten grip
356	650168	1	Washer, Flat
	34141		Guard, Starter
	32576		Seal, Snow guard
	33377		Bracket, Carburetor cover mounting
	650767		Screw, 8-32 x 27/64"
370	34416		Decal, Instruction
370A	34686		Decal, Name
	34417		Decal, Primer
	34414		Decal, Warning
	34870		Decal, Instruction Can be used on HM80 with diecast started
	631021		Inlet Needle, Seat & Clip Assy.
380	632334A		Carburetor (Incl. 184) (Refer to Division 5, Section A, page
			188 for breakdown or Fiche18A-1, Grid F-5)
000	500000		De l'ad Otarte (Defante Di laise El Ocation Oragen de fai
390	590606		Rewind Starter (Refer to Division 5, Section C, page 30 for
			breakdown or Fiche 18A-1, Grid G-5)
400	33279G		Gasket Set (Incl. items marked*)
	35570		Screen Seal (Can be used on HM80 with stamped steel
400	00010		•
			recoil starter)
409	35569		Spacer (Can be used on HM80 with stamped steel recoil

Ref #	Part Number	Qty Description
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be used on HM80 with stamped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
420	730225	SAE 30, 4-Cycle Engine Oil (Quart)
421	730226	SAE 5W30, 4-Cycle Engine Oil (Quart)
425	730572	Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609	Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610	Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078	A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079	D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



		/ Description
	650760	Screw, 8-32 x 3/8"
63	28545	Grommet, Plastic
74	31855	Retainer, Bearing
97		Lockwasher, Heavy split, #10 (Buy loc ally)
	650802	
		Screw, 1/4-20 x 5/8" (Use as required)
	650737	Screw, 1/4-20 x 1/2" (Use as required)
131	650738	Screw, 1/4-20 x 5/8" (Use as required)
174	650128	Screw, 10-24 x 1/2"
174	650597	Screw, 10-24 x 5/8"
	730127	Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
		(Use as required)
227	730164	Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
		as required)
	0=000 /	· /
	650824	Stud, 1/4-20 x 7.33 (Use as required)
228A	650851	Stud, 1/4-20 x 8.1 (Use as required) (Used with drilled thru
		elbow)
0454	24700	,
	34700	Element, Air cleaner
274	35865	Gasket, Exhaust (Use as required)
275B	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
		• ,
	35824	Muffler (Optional quiet muffler)
277	651002	Screw, 5/16-18 x 4-3/16"
277A	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	26460	Clamp, Fuel line (Use as required)
	650665	Screw, 1/4-15 x 7/8"
	35305	Wire, Ground
	35857	Valve, Fuel shut-off
370B	34387	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
070	0.4070	Decel lastruction Can be used as 10400 with discost starter
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
395	33329D	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. Refer to service number
		stamped on end cap of motor, or on decal for identification.
		•
		Ref
408	35570	Screen Seal (Can be used on HM80 with stamped steel
	-	recoil starter)
		,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
	200570	,
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
		used on HM80 with stamped steel recoil starter)
A A A	25560	Debrie Person (Con be used on LIN/00 with starsed start
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
/12	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with
413		
		stamped steel recoil starter)
415	730130	Exh.Adapter Kit (Incl.274,277)(Use as req.)
	730572	Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on
420	130312	
		HM80 with die cast starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to
τ∠J		Mechanics Handbook for installation instructions).
		$\mathbf{W} = \mathbf{W} = $

Ref #	Part Number	Qty	Description
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078		A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).



		Description
62	650760	Screw, 8-32 x 3/8"
103	650489	Screw, 1/4-20 x 5/8"
	610848	Magneto (w/ring gear for 110 volt sta rter) NOTE: The
100		complete magneto is not available as an assembly. The
		magneto number is shown for reference purposes only. Order
		component parts individually, as shown in parts list. (Refer to
		Division 5, Section B, page 28 for breakdown or Fiche 18A-1,
		Grid G
183	34587	Bracket, Choke
186	34667	Link, Governor
	34664	Control Bracket (Incl.19,203,204,206, 209)
	31342	
		Spring, Compression
	650549	Screw, 5-40 x 7/16"
	610973	Terminal Assy. (Use as required)
207	33878	Link, Governor-to-throttle
209	650821	Screw, 10-32 x 1/2"
	27793	Clip, Conduit
	28942	
		Screw, 10-32 x 3/8"
	34586	Rod, Choke
220	35438	Knob, Control
222	28820	Screw, 10-32 x 1/2"
	35447A	Blower Housing (For electric starter)
	35824	
		Muffler (Optional quiet muffler)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
286B	33662	Hub & Screen Assy., Starter
290	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
290	30705	Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
	410144B	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
301	33032	Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16"
		I.D.)
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
501	57210	(1-3/16" I.D)
		(1-5/10 I.D)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
	33876	Gasket, Stator
	35038	Spacer, Tank
	34155	Bracket, Fuel tank mounting
342	650561	Screw, 1/4-20 x 5/8"
350	570682	Primer Assy.
	32180C	Primer Line
	34387	
3/00	34307	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
370 I	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	30547A	Contact Assy., Breaker
	30548B	Condenser
408	35570	Screen Seal (Can be used on HM80 with stamped steel
		recoil starter)
		, , , , , , , , , , , , , , , , , , ,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
110	700570	
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Can be
		used on HM80 with stamped steel recoil starter)
/11	35568	Debris Screen (Can be used on HM80 with stamped steel
411	00000	שבאהש שכובבה (שמוד אב עשבע טודר וואוטט אונוד אמוווףבע אנפר
		recoil starter)

	Part Number	Qty Description
413	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
425	730572	Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609	Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610	Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078	A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079	D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611	Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636	Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).