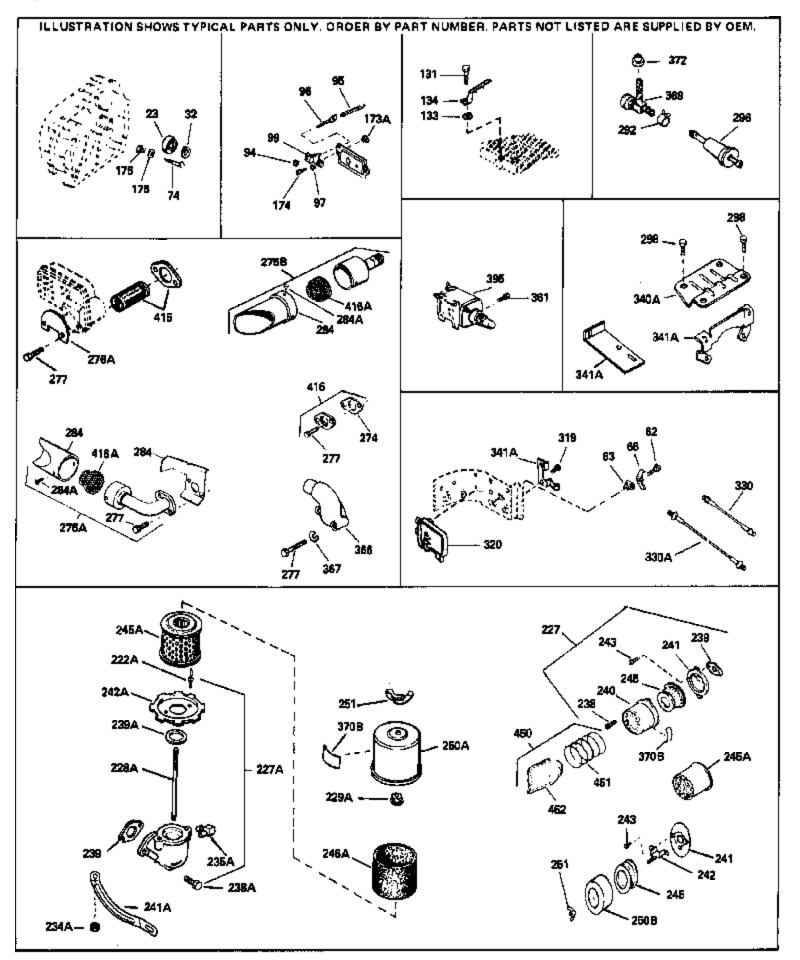


1 34448B Cylinder (incl.22.07.27.24) (3-1/8" B ore) 2 27652 Pin, Dowal 158 650494 Screw, 6-40 x 5/16" 153 05090C Rod Assy, Governor (Incl. 15A & 15B) 16 33454 Governor Lever Assy, 17 29916 Clamp, Governor Lever 20 36303 Seal, Oil 23 32556A Baffle, Bower housing 24 605649 Screw, 12-32 x 3/4" 25 36256A Washer, Thrust 36 29918 Lockwasher, 10-32 Ksps" 37 20216 Nut & Lockwasher, 10-32 Ksps" 37A 30322 Lockwasher, 10-32 Ksps" 37A 30322 Lockwasher, 10-32 Ksps" 40 34553 Piston, Pin & Ring Set (01/07 CS) 40 34553 Piston, Pin A Sing Set (10/17 CS) 41 34330A Piston & Pin Assy, L010" CS) (Incl. 43) 42 34333 Ring Set (020" CS) 43 34331A Piston & Pin Assy, L010" CS) (Incl. 43) 43 34333 Ring Set (020" CS) 43 34333 <			Qty	Description
15B 65044 Screw, 6-40 x 5/16' 15 30693C Rod Assy, Governor (Incl. 15A & 15B) 16 33454 Governor Lever Assy, 17 29916 Clamp, Governor lever 18 600548 Screw, 132 x 5/16' 20 33830 Seal, Oil 25 36256A Baffle, Bover housing 26 600561 Screw, 14-20 x 5/8' 30 33810A Cranksheft (Ind. 108 & 109) 32 36268 Screw, 10-32 x 3/4' 36 29918 Lockwasher, # 8 E.T 37 30322 Lockwasher, # 8.2 37 30322 Lockwasher, # 8.2 40 34553 Pision, Pin & Ring Set (1007 OS) 41 34330A Pision, Pin & Ring Set (1007 OS) 41 34331A Pision, Pin A Sing Set (1007 OS) 42 3433 Pision, Pin A Sing Set (1017 OS) 42 3433 Pision, Pin A Sing Set (1017 OS) 43 34334 Pision, Pin A Sing Set (1017 OS) 41 34330A Pision & Pin Assy, (2017 OS) 42 34333 Ping Se	1	34348B		Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
15A 30700 Yoke, Governor (Incl. 15A & 15B) 16 33454 Governor Laver Assy, Governor (Incl. 15A & 15B) 17 29916 Clamp, Governor (Incl. 15A & 15B) 20 30230 Seal, Ol 20 32556A Baffie, Blower housing 25 52566A Baffie, Blower housing 26 565661 Corentshaft (Ind. 108 & 109) 23 32822 Washer, Thust 37 32216 Nut & Lockwasher, 10.32 x 34" 36 29918 Lockwasher, 10.32 x 34" 37A 30322 Lockwasher, 10.32 x 64ps* 37A 30322 Lockwasher, 10.32 x 64ps* 40 34553 Piston, Pin & Ring Set (Clo? OS) 41 34330A Piston, Pin & Ring Set (Clo? OS) 41 34331A Piston & Pin Assy, (Clo? OS) 42 34333 Ring Set (Clo? OS) 43 23828 Ring Set (Clo? OS) 44 34333 <td< td=""><td>2</td><td>27652</td><td></td><td>Pin, Dowel</td></td<>	2	27652		Pin, Dowel
16 30690C Rod Assy., Governor (Ind. 15A & 15B) 17 29916 Corrent Lever Asy. 18 650548 Screw, 104-20 x 58° 20 325253 Screw, 104-20 x 58° 30 33810A Carantshaft (Ind. 108 & 109) 32 33628 Washer, Thust 33 238628 Screw, 10-32 x 34° 34 23916 Lockwasher, 8 E.T. 37 23216 Nut & Lockwasher, 10-32 "Keps" 37 3322 Lockwasher, 8 E.T. 38 29918 Lockwasher, 10-32 "Keps" 40 34552 Piston, Pin & Ring Set (Std) (3-18°) 40 34553 Piston, Pin & Ring Set (Std) (3-18°) 41 34330A Piston & Pin Assy, (Std) (70°CS) 41 34333 Ring Set (010° CS) 42 34334 Piston & Pin Assy, (Std) (70°CS) 43 34334 Ring Set (010° CS) 43 34334 Ring Set (010° CS) 43 34334 Ring Set (010° CS) 44 34333 Ring Set (010° CS) 45 32291C Rod Ass, Connecting fod	15B	650494		Screw, 6-40 x 5/16"
16 33454 Covernor Lever Assy. 17 29916 Camp, Governor lever 20 32530 Seal, Ol 21 325256A Baffle, Blower housing 26 650561 Screw, 14-20 x 58° 30 33810A Carakshaft (Incl. 108 & 109) 32 33828 Washer, Thrust 33 28926 Screw, 16-22 x 34" 35 28926 Screw, 16-22 x 54" 36 29918 Lockwasher, 10-32 x 6ps" 37A 30322 Lockwasher, 10-32 x 6ps" 40 34553 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (C00" OS) 41 34330A Piston & Pin Assy, (D10" OS)(Incl. 43) 41 34331A Piston & Pin Assy, (D10" OS)(Incl. 43) 42 34332 Ring Set (D20" OS) 42 34334 Ring Set (D20" OS) 43 34334 Ring Set (D20" OS) 44 34334 Ring Set (D20" OS) 43 3434 Ring Set (D20" OS) 44 34242 Dipper, Ol	15A	30700		Yoke, Governor
16 33454 Covernor Lever Assy. 17 29916 Camp, Governor lever 20 32530 Seal, Ol 21 325256A Baffle, Blower housing 26 650561 Screw, 14-20 x 58° 30 33810A Crankshaft (Incl. 108 & 109) 32 33825 Washer, Thrust 35 29826 Screw, 10-32 x 54" 36 29918 Lockwasher, 10-32 x 54" 37A 30322 Lockwasher, 10-32 x 54" 38 29842 Ring, Retaining 40 34553 Piston, Pin & Ring Set (Sk1) (3-1/8") 41 34231A Piston & Pin Assy. (101" OS) 41 34232 Piston & Pin Assy. (101" OS) 42 34332 Ring Set (101" OS) 43 3431A Piston & Pin Assy. (101" OS) 44 34331A Piston & Pin Assy. (101" OS) 45 32591C Rod Assy. Connecting (Incl. 43) 46 34242 Djper, Ol 47 350662C Boit, Connecting (Incl. 49) 48 3034 Lifter, Valve	15	30699C		Rod Assy., Governor (Incl. 15A & 15B)
17 29916 Clamp, Governor levier 18 6505648 Screw, 432 x 5/16" 20 352556A Baffle, Blower housing 26 650561 Screw, 10-25 x 58" 30 33810A Caneshaft (Ind. 108 & 109) 22 33625 Screw, 10-32 x 54" 31 23918 Lockwasher, 7 & 32 32 23918 Lockwasher, 7 & 32 37 23216 Nut & Lockwasher, 10-32 * Keps" 37 3322 Lockwasher, 10-32 * Keps" 40 34552 Piston, Pin & Ring Set (Std.) (3-16") 40 34553 Piston, Pin & Ring Set (Std.) (3-16") 41 34320A Piston & Pin & Ring Set (Std.) (3-16") 43 3330A Piston & Pin Assy, (Std.) (70" CS) (Incl. 43) 41 34330A Piston & Pin Assy, (Std.) (70" CS) (Incl. 43) 42 3433 Ring Set (Ot0" CS) 43 24333 Ring Set (Ot0" CS) 43 24333 Ring Set (Ot0" CS) 44 34034 Lifter, Valve 43 34034 Lifter, Valve 43 2422	16	33454		
18 650548 Screiv, B-32: 85/16" 26 30330 Seal, Oil 26 30350 Seal, Oil 26 600561 Screiv, 14-20: 56" 30 33310A Cranishaft (Incl. 108 & 109) 32 33628 Washer, Thusi 36 28918 Lockwasher, 48 E.T. 37 30322 Lockwasher, 10-32 "Keps" 37 30322 Lockwasher, 10-32 "Keps" 37 30322 Lockwasher, 10-32 "Keps" 38 28942 Ring, Retaining 40 34553 Piston, Pin & Ring Set (010" OS) 41 34330A Piston, Pin & Ring Set (010" OS) 41 34331A Piston & Pin Assy, (010" OS)(Incl. 43) 41 34331A Piston & Pin Assy, (010" OS) 42 34332 Ring Set (020" OS) 42 34332 Ring Set (020" OS) 43 24334 Ring Set (020" OS) 43 34034 Lifter, Valve 44 34242 Dipper, Oil 53275<				•
20 32630 Sel, Oil 26 650561 Sorew, 114-20 x 56" 30 33810A Crankshaft (ind. 108 & 109) 31 32828 Washer, Thrust 32 32828 Sorew, 10-32 x 34" 32 32827 Lackwasher, # 5 E.T. 37 32916 Nut & Lockwasher, # 5 E.T. 37 329216 Nut & Lockwasher, # 5 E.T. 38 28642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std) (3-1/8") 40 34554 Piston, Pin & Ring Set (200" OS) 41 34329A Piston & Pin Assy, (Std)(incl. 43)(-1.48") 41 34331A Piston & Pin Assy, (Std)(incl. 43)(-1.48") 42 34333 Ring Set (200" OS) 43 23433 Ring Set (000" OS) 44 34329A Piston & Pin Assy, (200" OS)(incl. 43) 45 32331A Ring Set (010" OS) 42 34331A Ring Set (010" OS) 43 23433 Ring Set (010" OS) 43 23433 Ring Set (010" OS) 44 34242 Dipper. Oil 53 34143 Camshaft (MCR) 53 34143 Camshaft (MCR) 53 34143 Cam				•
25 55256A Baffle, Blower housing 26 65056H Screw, 1/4-20, 58° 30 33810A Crankshaft (Incl. 108 & 109) 32 33628 Washer, Thust 32 33628 Screw, 10-32, 3/4* 32 29918 Lockwasher, 49 E.T. 37 30322 Lockwasher, 10-32 "Keps" 37 30322 Lockwasher, 10-32 "Keps" 38 29842 Ring, Retaining 40 34553 Piston, Pin & Ring Set (510) (3-18") 41 34330A Piston & Pin Assiy (510) (10-14)" 42 34330A Piston & Pin Assiy (100" OS) (Incl. 43) 41 34330A Piston & Pin Assiy, (100" OS) (Incl. 43) 42 34332 Ring Set (510) (10" CS) 42 34332 Ring Set (100" OS) 42 34334 Ring Set (100" OS) 43 27886 Ring, Piston pin retaining 45 32991C Rod Assy, Connecting (Incl. 49) 45 32991C Rod Assy, Connecting (Incl. 49) 45 32291 Rod Resk, Cylinder cover 70 33628 Screw, 10-24 x 1/2" 60 33273A Extension, Blower housing 65 Screw, 10-24 x 1/2" 63 </td <td></td> <td></td> <td></td> <td></td>				
26 650561 Screw, '14-20.2 x 5/8' 30 33810A Canktshaft (hd. 108 & 109) 32 33628 Washer, Thrust 35 29216 Lockwasher, '10-32 'Keps'' 37 29216 Nut & Lockwasher, '10-32 'Keps'' 38 29542 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8'') 40 34554 Piston, Pin & Ring Set (020' OS) 41 34330A Piston & Pin Assy, (Std!)(nd./3)(3-1/8'') 41 34330A Piston & Pin Assy, (Std!)(nd./3)(3-1/8'') 42 34333 Ring Set (020' OS) 42 34334 Piston & Pin Assy, (Std!)(nd./3)(3-1/8'') 42 34333 Ring Set (020' OS) 43 34330A Piston & Pin Assy, (Std!)(nd./3) 42 34333 Ring Set (020' OS) 43 24333 Ring Set (020' OS) 43 23591C Rod Assy, Connecting (Incl. 49) 45 32591C Rod Assy, Connecting (Incl. 49) 46 34034 Lifter, Valve				
30 33810A Crankshaft (Incl. 108 & 109) 32 36628 Washer, Trust 35 29826 Screw, 10-32 x 34" 37 29216 Nut & Lockwasher, 10-32 "Keps" 37A 30322 Locknut, 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 34320A Piston & Pin Assy, (Std)(Incl. 43)(3-1.48") 42 34331A Piston & Pin Assy, (Std)(Incl. 43)(3-1.48") 42 34332 Ring Set (0.10' OS) 42 34332 Ring Set (0.20' OS) 43 234334 Ring Set (0.20' OS) 44 34330A Piston & Pin Assy, (D20' OS) 45 2551C Rol Assy, Connecting Incl. 49) 42 34334 Ring, Piston pin retaining 45 36526 Boit, Connecting Incl. 49) 4242.2 Dipper, OI Boit Connecting Incl. 49) 53242 Ring, Retaining 536528				
32 33628 Washer, Thust 35 28918 Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, 10-32 'Keps'' 37 29216 Nut & Lockwasher, 10-32 'Keps'' 37 29216 Nut & Lockwasher, 10-32 'Keps'' 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8'') 41 34330A Piston & Pin Assy (Std.)(Incl.43)(3-1/8'') 41 34331A Piston & Pin Assy (Std.)(Incl.43)(3-1/8'') 42 34332 Ring Set (Std.) (3-1/8'') 42 34333 Ring Set (O20' OS)(Incl.43) 42 34333 Ring Set (O20' OS) 42 34333 Ring Set (O20' OS) 43 24333 Ring Set (O20' OS) 43 24333 Ring Set (O20' OS) 43 24333 Ring Set (O20' OS) 43 34034 Lifter Valve 43 34034 Lifter Valve 43 34242 Dipper, Ol 53625 Seal, Ol Seal, Ol 6560128 Screw, 10/24 x 1/2' 73				
35 28826 Screw, 10-32 x 34" 36 29918 Lockwasher, 10-32 "Keps" 37A 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Stul) (3-1/8") 40 34553 Piston, Pin & Ring Set (Stul) (3-1/8") 40 34553 Piston, Pin & Ring Set (Stul) (3-1/8") 41 34320A Piston & Pin A sky (Stul)(nd-43) (3-1/8") 41 34330A Piston & Pin A sky (Stul)(nd-43) (3-1/8") 42 34332 Ring Set (Stul) (3-1/8") 42 34332 Ring Set (Stul) (3-1/8") 42 34332 Ring Set (Stul) (3-1/8") 43 23433 Ring Set (Stul) (3-1/8") 43 34322 Ring Set (Stul) (3-1/8") 43 34332 Ring Set (Stul) (3-1/8") 43 34334 Ring Piston king Set (Stul) (3-1/8") 43 3422 Dipper, Oll				
36 29918 Lockwasher, f9 ET. 37 29216 Nut & Lockwasher, f0-32 "Keps" 37 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (010" CS) 40 34554 Piston, Pin & Ring Set (020" CS) 41 34330A Piston & Pin Assy. (010" OS) 41 34331A Piston & Pin Assy. (010" OS) 42 34333 Ring Set (010" CS) 42 34333 Ring Set (010" OS) 42 34333 Ring Set (010" OS) 43 3434 Ring Set (020" OS) 43 34334 Ring Set (020" OS) 43 3434 Ring Piston pin retaining 45 32591C Rod Assy., Connecting (ncl. 49) 47 66062C Boit, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 60 392562 * Gasket, Cylinder cover 70 336265 Seal				
37 29216 Nut & Lockwasher, 10-32 "Keps", 8-32 38 29642 Ring, Retaining 40 34563 Piston, Pin & Ring Set (010° CS) 40 34563 Piston, Pin & Ring Set (010° CS) 41 34329A Piston, Pin & Ring Set (010° CS) 41 34329A Piston & Pin Assy. (501/(01-4/3)(5-1/8°) 41 34330A Piston & Pin Assy. (5010° CS)(incl. 43) 42 34333 Ring Set (010° CS) 42 34334 Ring Set (010° CS) 42 34334 Ring Set (010° CS) 42 34334 Ring Set (010° CS) 43 27888 Ring, Piston pin retaining (ncl. 49) 45 32591C Rod Assy., Conneoting (ncl. 49) 46 34034 Lifter, Valve 49 34242 Dipper, Oi 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61 650128 Screw, 10-24 × 1/2" 70 33626B Cyl. Cover (Incl. 71,74,75,80,175,176, 311,312) 71 27642 Piug. Oil drain 73 36				
37A 30322 Locknut, Hex "Keps", 8-32 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (101° CS) 41 34320A Piston & Pin Assy. (Std)(Ind.43)(3-1.8") 41 34331A Piston & Pin Assy. (Jot? OS)(Ind.43) 41 34331A Piston & Pin Assy. (Jot? OS)(Ind.43) 42 34332 Ring Set (Jot? OS) 42 34333 Ring Set (Jot? OS) 42 34334 Ring Set (Jot? OS) 43 23433 Ring Set (Jot? OS) 43 24333 Ring Set (Jot? OS) 43 2788 Ring, Piston pin retaining 45 3291C Rod Assy. Connecting (Ind.49) 47 650652C Bott. Connecting rod (2 pieces) 48 4034 Lifter, Valve 49 34242 Dipper, Oi 5033273A Extension, Blower housing				
38 25642 Rig, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (OtO' OS) 40 34554 Piston, Pin Asny (Std)(Incl.43)(S-1/8") 41 34330A Piston & Pin Assy. (Std)(Incl.43)(S-1/8") 41 34331A Piston & Pin Assy. (J010" OS)(Incl. 43) 42 34331 Ring Set (Std.) (3-1/8" Bore) 42 34332 Ring Set (Std.) (3-1/8" Bore) 42 34333 Ring Set (J010" OS) 43 27888 Ring Set (J020" OS) 43 27888 Ring Set (J020" OS) 43 27888 Ring Set (J020" OS) 44 34034 Lifter, Valve 552501C Rod Assy., Connecting rod (Pices) 48 34034 Lifter, Valve 50 34143 Camshaft (MCR) 63 3522 * Casket, Cylinder cover 70 36268 Cyl. Cover (Incl.71,74,75,80,175,176,311,312) 72 27642 Plug. Oil drain 73 3625 Saal, Oil 81 30550A Washer,				
40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34553 Piston, Pin & Ring Set (Cl0" OS) 41 34329A Piston & Pin Assy. (Cl0" OS) 41 34330A Piston & Pin Assy. (Cl0" OS) 41 34330A Piston & Pin Assy. (Cl0" OS) 42 34331A Piston & Pin Assy. (Cl0" OS) 42 34332 Ring Set (Cl2" OS) 42 34333 Ring Set (Cl2" OS) 42 34334 Ring Set (Cl2" OS) 43 327888 Ring Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 650662C Bolt, Connecting rod (2 pieces) 48 30034 Lifter, Valve 49 34242 Dipper, Oil 60 33273A Extension, Blower housing 61 660128 Screw, 10-24 x 1/2" 63 62022 * Gasket, Clyinder cover 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 73 33625 Seal, Oil 80 31845 <td< td=""><td></td><td></td><td></td><td></td></td<>				
40 34553 Piston, Pin & Ring Set (101° CS) 40 34554 Piston, Pin & Ring Set (020° CS) 41 34330A Piston & Pin Assy. (Std)(Incl.43)(S-1 /8°) 41 34331A Piston & Pin Assy. (101° CS)(Incl. 43) 42 3433 Ring Set (010° CS) 42 34333 Ring Set (010° CS) 43 23433 Ring Set (010° CS) 44 34334 Ring Set (020° CS) 45 32591C Rod Assy. Connecting rod (2 pieces) 46 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 3273A Extension, Blower housing 61 50562C Scatext, Cylinder rover 70 36268 Cyl. Corver (Incl.71,47,580,175,176, 311,312) 72 27642 Piug, Oil drain 73 3625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30550A Washer, Flat <				•
40 34554 Piston, Pin & Ring, Set (J20" OS) 41 34330A Piston & Pin Assy. (Std)(Incl.43)(3-1/8") 41 34330A Piston & Pin Assy. (D10" OS)(Incl. 43) 41 34331A Piston & Pin Assy. (D10" OS)(Incl. 43) 42 34332 Ring Set (Std) (3-1/8" Bore) 42 34333 Ring Set (D10" OS) 42 34334 Ring Set (D10" OS) 43 27888 Ring Netton pin retaining 45 32591C Rod Assy., Connecting rod (2 pieces) 43 Jatta Camshaft (MCR) 60 33273A Extension, Blower housing 65 650128 Screw. 10-24 x 1/2" 63 36255 Seal, Oil 70 336268 Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Piug.Oil drain 73 3625 Seal, Oil 80 Staft, Mechanical governor 81 30588A Spool, Governor <td></td> <td></td> <td></td> <td></td>				
41 34329A Piston & Pin Ass'y. (Std)(Incl.43)(3-1/8") 41 34330A Piston & Pin Ass'y. (D10" OS)(Incl.43) 42 34331A Piston & Pin Ass'y. (D20" OS)(Incl.43) 42 34332 Ring Set (Std) (3-1/8" Bore) 42 34333 Ring Set (O10" OS) 43 27888 Ring, Piston pin retaining 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 Carnshaft (MCR) 60 33273A Extension, Blower housing 61 50228 * Gasket, Cylinder cover 70 33626B Cyl. Covern (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 73 33625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30590A Washer, Flat 82 30591 Gear Assy, Governor (Incl. 81) 83 Sta				
41 34330A Piston & Pin Assy. (.010" CS)(Incl. 4.3) 41 34331A Piston & Pin Assy. (.020" CS)(Incl. 4.3) 42 34332 Ring Set (Std.) (3-1.8" Bore) 42 34333 Ring Set (.010" CS) 42 34334 Ring Set (.010" CS) 42 34334 Ring Set (.010" CS) 42 34334 Ring Set (.010" CS) 43 32591C Rod Assy. Connecting (Incl. 49) 45 32591C Rod Assy. Connecting (Incl. 49) 46 34242 Dipper, Oil 49 34242 Dipper, Oil 60 33273A Extension, Blower housing 65 650128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Cylinder cover 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 80 31845 Shaft, Mechanical governor 81 30590A Washer, Fial 82 30581 Gear Assy., Governor (Incl. 81) 83 30588A Spool, Governor 84 29193 Ring,				
41 34331A Piston & Pin Ass ⁵ , (J20° OS)(Incl. 43) 42 34332 Ring Set (Std) (3-1/8° Bore) 42 34333 Ring Set (J01° OS) 42 34334 Ring Set (J01° OS) 42 34334 Ring Set (J01° OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy, Connecting (Incl. 49) 47 650682C Bolt, Connecting rod (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 60 33273A Extension, Blower housing 65 650128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Q/inder cover 70 33626B CyL Cover (Incl.71,74,75,80,175,176, 311,312) 71 27642 Plug, Oil drain 75 33625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30590A Washer, Flat 82 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16"				
42 34332 Ring Set (Std.) (G ² 1/8" Bore) 42 34333 Ring Set (0.20" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 46 34034 Lifter, Valve 49 34242 Dipper, Oil 40 33273A Extension, Blower housing 60 33273A Extension, Blower housing 61 53262 * Gasket, Cylinder over 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 73 33625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30591 Gear Assy., Governor (Incl. 81) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 89 32589 Key, Flywheel 93 Strew 1/4-20 x 1-3/16" 89 32589 Key, Flywheel 93 Strew 1/4-20 x 1-3/16" 8116				
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 60 33273A Extension, Blower housing 65 650128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Cylinder cover 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 71 27642 Plug. Oil drain 75 33625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30580A Spool, Governor 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 60833 Screw, 1/4-20 x 1-11/16" 89 S2589 Key, Flywheel 92 650815 Washer, Belleville 93 8116 Nut, Hex (1/2-20) 101 61				
42 34334 Ring Set (020" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy., Connecting (Incl. 49) 47 650662C Bolt, Connecting (Incl. 49) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 65 650128 Screw, 10-24 x 1/2" 69 35262 * Gasket, Cylinder cover 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 75 33625 Seal, Oil 81 30591 Gear Assy., Govemor 81 30588A Spool, Govemor 82 30591 Gear Assy., Govemor 83 30588A Spool, Govemor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-11/16" 89 3259 Key, Flywheel 92 650815 Washer, Belleville 93 8116 <td< td=""><td></td><td></td><td></td><td></td></td<>				
43 27888 Ring, Piston pin retaining 45 32591C Rod Assy, Connecting (Incl. 49) 47 650662C Bolt, Connecting (0 (2 pieces) 48 34034 Lifter, Valve 49 34242 Dipper, Oil 50 34143 Camshaft (MCR) 61 33273A Extension, Blower housing 62 550128 Screw, 10-24 x 1/2" 63 35262 * Gasket, Cylinder cover 70 33626B Cyl. Cover (Incl.71,74,75,80,175,176, 311,312) 72 27642 Plug, Oil drain 75 38625 Seal, Oil 80 31845 Shaft, Mechanical governor 81 30590A Washer, Flat 82 30591 Gear Assy, Governor (Incl. 81) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650832 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-3/16" 89 Stlfe Nut, Hex (1/2-20) 101 610118 Cover, Spark pule (Use as required)				
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125 27880A Exhaust Valve (1/32" OS) (Incl. 151)				
	120			

Ref #	Part Number	Qtv	Description
	34036		Intake Valve (1/32" OS) (Incl. 151)
	650691		Washer (Use as req., but not w/6021A screw)
	26073		Washer, Flat (Use as required)
	650570		Washer, Flat (Use as required)
	650690		Washer, Belleville
	650727		Screw, 5/16-18 x 1-3/4" (Use as required)
	650694A		Screw, 5/16-18 x 2" (Use as required)
130A	6021A		Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
			650691 washer)
131	650802		Screw, 1/4-20 x 5/8" (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
131	650738		Screw, 1/4-20 x 5/8" (Use as required)
131A	650713		Screw, 5/16-18 x 5/8" (Use as require d)
	792028		Screw, 5/16-18 x 7/8" (Use as require d)
	33636		Resistor Spark Plug (RJ17LM)
	33369		Bracket, Governor gear
	650836		Screw, 10-24 x 1/2"
	27882		Cap, Upper valve spring
	35862		Seal Assy., Intake valve
	27881		•
	32581		Spring, Valve
			Cap, Lower valve spring
	27896A		* Gasket, Breather cover
	28423		Body, Breather
	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)
	30088A		Screw, 1/4-28 x 1"
	33263		* Gasket, Carburetor
	34707		Pipe, Intake
	610973		Terminal Assy. (Use as required)
	650378		Screw, Torx T-30, 5/16-18 x 1-1/8 "
	27915A		* Gasket, Intake pipe
	33375D		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"
	33272B		Cover, Cylinder head
	35824		Muffler (Optional quiet muffler)
	34185A		Muffler (Spark Arresting)
	31588		Plate, Muffler locking
	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	650729		Screw, 5/16-18 x 3-3/16"
	33013		Cover, Starter bubble
	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.)
	30705		Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
	26460		Clamp, Fuel line (Use as required)
298	650665		Screw, 1/4-15 x 7/8"

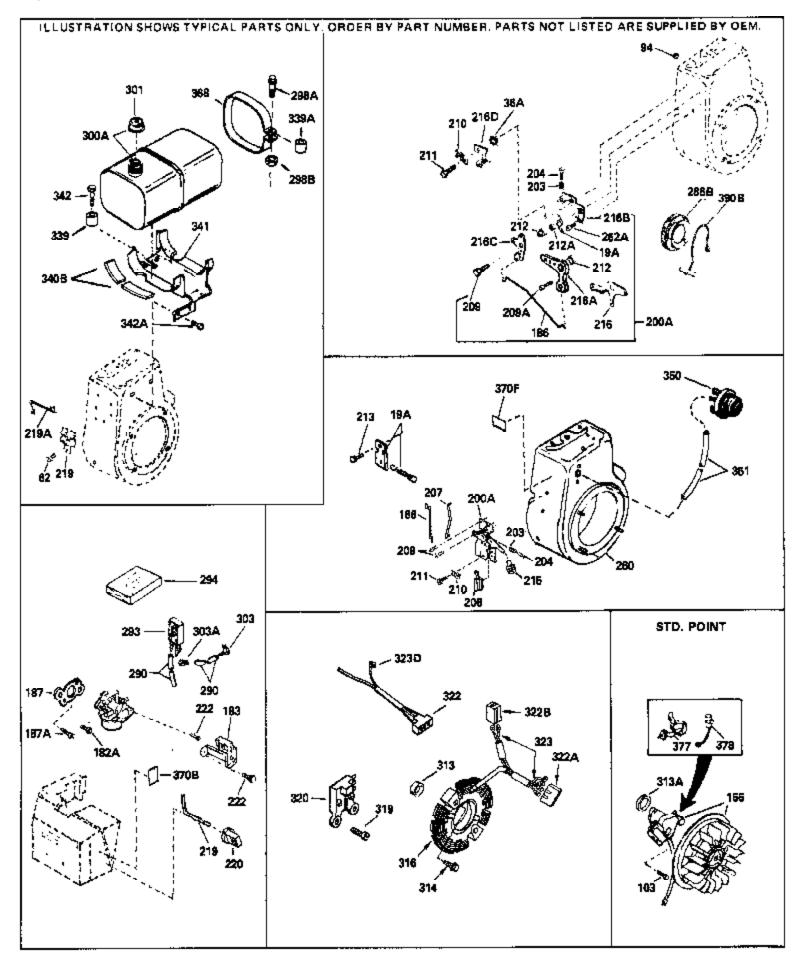
		ty Description
300	34156A	Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
	410144B 33032	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.) Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D)
305 306 310 325 325 340 341 342 370 370J 370J 370A 379	35355 33893A 33590 34011A 29443 34246 34154 34155 650561 34346 34870 34686 631021 632351	 Fuel Cap (Red plastic) (1-1/2" I.D.) Tube, Oil fill "O" Ring Dipstick (Incl. 306) Clip, Fuel line (Use as required) Clip, Ground wire (Use as required) Plate, Fuel tank mounting Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Decal, Instruction Decal, Instruction Can be used on HM80 with diecast starter. Decal, Name Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page 188 for breakdown or Fiche18A-1, Grid F-5)
390	590479	Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
	33279G 35570	Gasket Set (Incl. items marked*) 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)
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)
421	730225 730226 730572	SAE 30, 4-Cycle Engine Oil (Quart) SAE 5W30, 4-Cycle Engine Oil (Quart) 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).

Ref #	Part Number	Qty	Description
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).



	Part Number Qty	
23	33627	Bearing, Ball
32	33628	Washer, Thrust
74	31855	Retainer, Bearing
	33450	Nut Lock, 10-32
	30886A	Spring, Extension
	30845A	Bolt, Governor spring adjusting
97		Lockwasher, Heavy split, #10 (Buy loc ally)
	650802	Screw, 1/4-20 x 5/8" (Use as required)
131	650737	Screw, 1/4-20 x 1/2" (Use as required)
131	650738	Screw, 1/4-20 x 5/8" (Use as required)
133	650890	Washer, Lock, 5/16"
	30747	Clip, Spark plug shorting
	650128	Screw, $10-24 \times 1/2$ "
	650597	Screw, 10-24 x 5/8"
	650778	Lockwasher
176	650580	Nut, Lock, 10-24
227	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)
000 4	CE0004	
	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)
220	070704	* Caalvat Air alaanar
	27272A	* Gasket, Air cleaner
	27272A	* Gasket, Air cleaner
	33266	Bracket, Air cleaner
242	33267	Bracket, Air cleaner
243	28820	Screw, 10-32 x 1/2"
	33268	Element, Air cleaner
245A		Element, Air cleaner
	33269A	
		Cover, Air cleaner
	650513	Nut, Wing, 1/2-20
	35865	Gasket, Exhaust (Use as required)
275B	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
		• ,
275C		Muffler (Optional quiet muffler)
277	650729	Screw, 5/16-18 x 3-3/16"
277A	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
292	26460	Clamp, Fuel line (Use as required)
	650665	Screw, 1/4-15 x 7/8"
370B		Decal, Instruction Can be used on HM80 with stamped steel
370D	34307	· · · ·
		recoil starter.
370J	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	33329D	Starter Motor Kit (110-120 Volt) This 110-120 volt starter
	333230	
		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
		Screen Seal (Can be used on HM80 with stamped steel
408	35570	Corcert Cear be abea of third or that be abea
408	35570	recoil starter)
		recoil starter)
	35570	•

		/ 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)
-	730130 730572	Exh.Adapter Kit (Incl.274,277)(Use as req.) 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
	33450	Nut Lock, 10-32
103	650489	Screw, 1/4-20 x 5/8"
156	610842	Magneto (Incl. 377 & 378) NOTE: The 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-1)
		deciding, page 20 for breakdown of home tor-1, ond G-1)
206	610973	Terminal Assy. (Use as required)
207	33878	Link, Governor-to-throttle
260	33375D	Blower Housing (For electric starter)
275C	35824	Muffler (Optional quiet muffler)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	33662	Hub & Screen Assy., Starter
	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	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	3-12-10	(1-3/16" I.D)
		(1-3/10 1.2)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
313A	33876	Gasket, Stator
	35038	Spacer, Tank
	34155	Bracket, Fuel tank mounting
	650561	Screw, 1/4-20 x 5/8"
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	34387	Decal, Instruction Can be used on HM80 with stamped steel
5/00	54007	recoil starter.
377	30547A	Contact Assy., Breaker
378	30548B	Condenser
408	35570	Screen Seal (Can be used on HM80 with stamped steel
		recoil starter)
100	05500	,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
10	100010	used on HM80 with stamped steel recoil starter)
		used of thim to 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)
125	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
•		Mechanics Handbook for installation instructions).
		,
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics
		Handbook for installation instructions).
404	500600	,
431	590609	Centering tube (Use with engines equipped with die cast
		aluminum starter)(Use as required) (Refer to Mechanics
		Handbook for installation instructions)

Ref #	Part Number	Qty Description
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).