

# Service Bulletins

## Letters and Instructions

# INDEX

SSP-112-14

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# Service Bulletins, Letters, and Instructions Index

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### NOTE

In addition to the operator’s manuals, installation and operation manuals, service manuals, maintenance manuals, overhaul manuals, and parts catalogs that are published to maintain and operate the various models of Lycoming engines in airworthy condition; bulletins, letters, and instructions are issued as required to inform all concerned of new policies, products, modifications, and maintenance information applicable to the support of Lycoming aircraft engines. Service Letters are issued to explain service policies and introduce new products or processes approved for Lycoming engines. Service Instructions describe modifications, processes, and other information pertinent to the maintenance, repair, and overhaul of Lycoming engines. Service Bulletins (published since April 1960) describe mandatory procedures that must be observed for safety reasons.

Subscription services for Complete Sets of Active Service Bulletins, Letters, and Instructions are available from an authorized Lycoming publications distributor. A listing of authorized Lycoming publications distributors can be found in the latest revision of Service Letter No. L114.

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## Alphabetical Listing of Lycoming Service Bulletins, Letters, and Instructions

\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1110C | AC Fuel Pumps, Replacement                                                                                                               |
| S.I. 1212  | Accelerator Pump, Marvel-Schebler Carburetors with – O-235-C Series                                                                      |
| S.L. L271  | Access Lycoming Digital Technical Publications, How to                                                                                   |
| S.I. 1351  | Accessory Drive Gear and Drive Shaft                                                                                                     |
| S.I. 1503  | Accessory Drive Gear and Shaft Dowel Replacement                                                                                         |
| S.I. 1203  | Accessory Drive Shaft Adapter Assy., Installation of Improved                                                                            |
| S.I. 1145  | Accessory Drive Shaft, Modification to Incorporate Larger Spline Drive                                                                   |
| S.I. 1171  | Accessory Housing and Covers, Salvage of                                                                                                 |
| S.I. 1394  | Accessory Housing Assy. and Housing Cover Assy. Modification to Retrofit Hollow Oil Transfer Dowel                                       |
| S.B. 247   | Accessory Housing, Modification of Oil Metering Plug                                                                                     |
| S.I. 1203  | Adapter Assy., Accessory Drive Shaft, Installation of Approved                                                                           |
| S.I. 1295  | Adapter Bearing, Oversize Supercharger                                                                                                   |
| S.B. 411D  | Adapter Kit for Magneto Isolation Drive                                                                                                  |
| S.I. 1436A | Adapter Kit for Magneto Isolation Drive                                                                                                  |
| S.I. 1510A | Adapter Kit for Magneto Isolation Drive                                                                                                  |
| S.I. 1368  | Adapter Seal Washer and Retainer, Tachometer                                                                                             |
| S.I. 1329A | Adapter Seals, Supercharger Inlet                                                                                                        |
| S.I. 1158  | Adapter, Magneto Drive, Replacement                                                                                                      |
| S.B. 466   | Adapter, Oil Filter Base, Inspection                                                                                                     |
| S.L. L218  | Adapters, Fuel Pump                                                                                                                      |
| S.L. L190  | Additive, Fuel, Use of “TCP”                                                                                                             |
| S.L. L172C | Additive, Fuel, Use of Ethylene Glycol Monomethyl Ether (EGME) such as “Prist” and Diethylene Glycol Monomethyl Ether (DIEGME or DEGMME) |
| S.L. L226  | Additive, Oil P/N LW-16702, Discoloration                                                                                                |
| S.B. 471B  | Additive, Oil, Use of Textron Lycoming LW-16702                                                                                          |
| S.B. 446E* | Additive, Oil, Use of Textron Lycoming LW-16702 (A.D. #80-04-03)                                                                         |
| S.I. 1409C | Additive, Oil, Use of Textron Lycoming LW-16702                                                                                          |
| S.I. 1559  | Adjusting Fuel Pressure on AN-Drive Type Fuel Pumps                                                                                      |
| S.L. L154B | Adjustment Consideration for Returned and/or Run-Out Engines                                                                             |
| S.B. 465C* | Aerobatic Engine Crankshaft Flange Inspection (A.D. #84-13-05)                                                                           |
| S.B. 403   | Aerobatic Engine Lubricating Requirements                                                                                                |
| S.L. L208  | Aerobatic Engines, Breather Options                                                                                                      |
| S.I. 1570  | Aerobatic Inverted Oil System, Alternate Oil Sump Fitting Configuration for                                                              |
| S.L. L202B | Aerobatic Maneuvers, Engines Installed in Aircraft Used for, All 320, 360, and 540 Series Using Crankshafts with Lightning Holes         |
| S.B. 509   | Aeroquip S.B. AA135, “601 Hose Assemblies”                                                                                               |
| S.I. 1464  | Aeroquip S.B. AA91, “Hose Line Problems”                                                                                                 |
| S.B. 598A  | Aeroquip (P/N NH1008723-10 and MVT69183-225, V-Band Clamp P/N LW-12125-3 and LW-12093-6 on Turbocharged Engines                          |
| S.I. 1002  | Air Filters, Carburetor, Proper Maintenance                                                                                              |
| S.I. 1396  | Air Housing, Induction, Redesigned                                                                                                       |
| S.B. 417A  | Air Inlet Housing                                                                                                                        |
| S.B. 538A  | Air Inlet Tube Replacement                                                                                                               |
| S.B. 401A  | After a Lightning Strike, Recommended Guidance                                                                                           |
| S.L. L293  | Air Temperature Sensor P/N 60C28409                                                                                                      |
| S.B. 361   | AiResearch Bulletin No. 1172-1A, “Turbocharger Modification”                                                                             |
| S.B. 347   | AiResearch Bulletin No. 571-1, “Turbine Housing Inspection & Replacement”                                                                |
| S.B. 329A  | AiResearch Bulletin No. TP60-0100, “Turbine Housing Inspection”                                                                          |
| S.B. 383   | AiResearch Bulletin No. TP60-0101, “Inspection of Model T1823 Turbocharger with Stainless Steel Turbine Housings”                        |
| S.B. 379   | AiResearch Bulletin No. TP60-0103, “Inspection of Remanufactured Waste Gate Valve Assy.”                                                 |
| S.B. 391A  | AiResearch Bulletin No. TP60-0105, “Turbocharger Repl. Or Mod. (Refer to Supplement No. 1 to S.B. 391A)                                  |
| S.B. 440   | AiResearch Bulletin No. TP60-0115, “Spring Pin Replacement – Variable Absolute Pressure Controllers”                                     |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 450    | AiResearch Bulletin No. TP60-0119, "Bypass Valve Modification"                                                                                             |
| S.B. 452A   | AiResearch Bulletin No. TP60-0121, "Turbo Inspection"                                                                                                      |
| S.I. 1223   | AiResearch Instruction No. 969-1, "Freeing Turbine Shaft"                                                                                                  |
| S.I. 1328   | AiResearch Letter No. TP61-0002, "Turbocharger Replacement"                                                                                                |
| S.I. 1416   | AiResearch Letter No. TP61-0039, "Turbocharger Bypass Valve Modification"                                                                                  |
| S.L. L231   | AiResearch Turbo Control Test Set P/N 481070-1, Variable Absolute Pressure Controller Calibration Values                                                   |
| S.B. 484*   | Alignment, Inspection and Modification of Crossover Exhaust Assembly (A.D. #89-12-04)                                                                      |
| S.B. 213A   | Allen Head Nuts (Cylinder Base), Replacing Cylinder Base Spline Nuts with                                                                                  |
| S.L. 288    | Alternate Bolt Locking of Wastegate Solenoid Valve                                                                                                         |
| S.I. 1570   | Alternate Oil Sump Fitting Configuration for Aerobatic Inverted Oil System                                                                                 |
| S.L. L142B  | Alterations, Policy Relative to Affecting Engine Performance                                                                                               |
| S.L. L283   | Alternate Ignition System                                                                                                                                  |
| S.B. 386    | Alternator Bearing Lubrication – TIGO-541-E                                                                                                                |
| S.I. 1254   | Alternator Belt Replacement                                                                                                                                |
| S.B. 536    | Alternator Belt Tension                                                                                                                                    |
| S.I. 1129D  | Alternator Belt Tension, Methods of Checking                                                                                                               |
| S.B. 511    | Alternator Bracket Installation                                                                                                                            |
| S.I. 1531   | Alternator Bracket for Engines Equipped with Kelly Aerospace E-drive Starters                                                                              |
| S.B. 356    | Alternator Bracket Support, Addition of – TIO-540-A2C                                                                                                      |
| S.I. 1283A  | Alternator Cog Belt and Pulley Installation                                                                                                                |
| S.L. L277   | Alternator Distribution Agreement, Hartzell Engine Technologies and Lycoming Engines                                                                       |
| S.I. 1330A  | Alternator Drive Coupling, Spring Loaded – TIGO-541-E                                                                                                      |
| S.B. 625    | Alternator Fan Backplate                                                                                                                                   |
| S.I. 1266   | Alternator Ground Strap – All Engines with Prestolite                                                                                                      |
| S.B. 623    | Alternator, Hartzell (HET) Service Bulletin SB-062 P/N LW-14326 or LW-14338, Reprint                                                                       |
| S.I. 1270A  | Alternator Mounting Bracket Shims                                                                                                                          |
| S.I. 1249   | Alternator Pulley and Shaft Assy.                                                                                                                          |
| S.I. 1259   | Alternator Replacement – VO-435-B1A                                                                                                                        |
| S.I. 1515   | Alternator, Kelly Aerospace Power Systems Service Information Letter No. A-115, "Recommended Service/ Inspection for Alternator Series ALE, ALU, ALY, ALX" |
| S.I. 1253   | Alternator, Prestolite Bulletin No. ASM-5, "Field Terminal Stud Insulation Replacement"                                                                    |
| S.I. 1237A  | Alternator, Prestolite Bulletins No. ASM-3 & ASM-4, "Aircraft Charging System Service Precautions"                                                         |
| S.I. 1451A  | Alternator, Starter and Compressor Installation                                                                                                            |
| S.I. 1105B  | Alternator/Generator Mounting Brackets, Periodic Inspection                                                                                                |
| S.I. 1154W  | Alternators and Starters, FAA Approved                                                                                                                     |
| S.B. 524*   | Aluminum and Sintered Iron Oil Pump Impellers, Replacement (Refer to Supplement No. 1 to S.B. 524) (A.D. #96-09-10)                                        |
| S.L. L235A  | Aluminum Hub Propeller, Hartzell Compact, Installation on Comanche 250 Aircraft                                                                            |
| S.I. 1559   | AN-Drive Type Fuel Pumps, Adjusting Fuel Pressure on                                                                                                       |
| S.L. L147B  | Anderol 471 All-Climate Synthetic Aircraft Lubricant                                                                                                       |
| S.I. 1543   | Approve Tappet P/N 15B26262, Notification                                                                                                                  |
| S.L. L255A  | Approved Diaphragm-Type Fuel Pumps                                                                                                                         |
| S.I. 1573E  | Approved Engine Configurations, Lycoming TEO-540 Engine Series                                                                                             |
| S.I. 1532N  | Approved Fuel Injectors, Fuel Manifold Assemblies, and Fuel Nozzle Assemblies                                                                              |
| S.I. 1549   | Approved Fuel Pump Plunger P/N 23D26777, Notification of                                                                                                   |
| S.I. 1443S  | Approved Slick Magnetos and Electronic Ignition System (EIS) on Lycoming Engines                                                                           |
| S.L. L237   | Area Code, Telephone, Change, Textron Lycoming, Williamsport, PA                                                                                           |
| S.I. 1454A  | Arm, Rocker, Assembly Replacement Part (Refer to Supplement No. 1 to S.B. 1454A)                                                                           |
| S.I. 1210B* | Attaching Nut Replacement, Pinion Cage (A.D. #69-25-08)                                                                                                    |
| S.I. 1196   | Attaching Studs, Replacement of Reduction Gear                                                                                                             |
| S.I. 1508C  | Attachment, Magneto                                                                                                                                        |
| S.L. L282   | Australian Fuel Testing                                                                                                                                    |
| S.B. 626A   | AVStar Flow Divider (Lycoming Fuel Manifold) Inspection                                                                                                    |

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| Pub. No.   | Title                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 596   | AVStar Fuel Servo, Mandatory S.B. AFS-SB6                                                                                                            |
| S.L. L253C | AVStar Fuel System Warranty Repair of                                                                                                                |
| S.I. 1587  | AVStar Service Information Letter No. AFS-SIL-03, Reprint of                                                                                         |
| S.I. 1076  | Backlash, Bevel Gear Assemblies, Pitch Alignment and                                                                                                 |
| S.B. 625   | Backplate, Alternator Fan                                                                                                                            |
| S.B. 613   | Backplate Assembly P/N 407895-0058, Turbocharger, Hartzell Alert Service Bulletin No. 057                                                            |
| S.B. 579   | Baffle, Oil Sump and Oil Sump Assembly, Clearance Between                                                                                            |
| S.I. 1279D | Baffle, Replacement, Oil Sump                                                                                                                        |
| S.B. 489A  | Baffle Assembly, P/N LW-13383, Oil Sump                                                                                                              |
| S.I. 1363  | Ball Joint and Retaining Strap, Exhaust Manifold                                                                                                     |
| S.I. 1292A | Bearing and Lubrication Modifications, Stainless Steel Thrust                                                                                        |
| S.I. 1377  | Bearing Bore Repair, Crankcase Main, and Oversize Main Bearings<br>(Refer to Supplement No. 1 to S.I. 1377)                                          |
| S.B. 326A* | Bearing Dowel Replacement (A.D. #'s 71-05-02 & 72-21-06)                                                                                             |
| S.I. 1225D | Bearing Dowel, Crankcase, Replacement                                                                                                                |
| S.I. 1250  | Bearing Lubrication, Propeller Shaft                                                                                                                 |
| S.I. 1177B | Bearing Repair, Governor Drive, in Crankcase                                                                                                         |
| S.B. 547*  | Bearing Replacement, Connecting Rod on TIO-540-AE2A Model Engines (Refer to Supplement No. 1 to S.B. 547)                                            |
| S.B. 561*  | Bearing Replacement, Connecting Rod on (L)TIO-540-U2A, -V2AD, and -W2A Engines                                                                       |
| S.I. 1020B | Bearing Replacement, Crankshaft Main                                                                                                                 |
| S.B. 544B  | Bearing Replacement, Part Identification                                                                                                             |
| S.I. 1312  | Bearing Replacement, Propeller Drive Thrust (Crankcase P/N LW-13082)                                                                                 |
| S.I. 1149  | Bearing Support Web, Crankcase, Inspection & Modification                                                                                            |
| S.I. 1108C | Bearing Surfaces, Propeller Shaft, Repair (Refer to Supplement No. 1 to S.I. 1108C)                                                                  |
| S.I. 1512  | Bearing Upgrade, Main and Connecting Rod ( Also Reference Supplement No. 1 to S.I. 1512)                                                             |
| S.B. 386   | Bearing, Alternator, Location                                                                                                                        |
| S.B. 327C* | Bearing, Inspection of Center Main (A.D. #'s 71-05-02 & 72-21-06)                                                                                    |
| S.I. 1295  | Bearing, Oversize Supercharger Adapter                                                                                                               |
| S.I. 1356  | Bearing, Oversize Thrust, for Reduction Gear                                                                                                         |
| S.B. 390A  | Bearing, Propeller Thrust (LW-12978) Inspection                                                                                                      |
| S.B. 276   | Bearing, Replacement of Front Main at Overhaul                                                                                                       |
| S.B. 371B* | Bearings, High-Crush, New Rod Kits (A.D. #73-05-01)                                                                                                  |
| S.I. 1432A | Bearings, Installation of High-Crush, Thin-Wall Rear Main in Crankcases without Retention Dowels                                                     |
| S.I. 1283A | Belt and Pulley, Alternator Cog, Installation                                                                                                        |
| S.B. 536   | Belt Tension, Alternator                                                                                                                             |
| S.I. 1129D | Belt Tension, Alternator, Method of Checking                                                                                                         |
| S.I. 1254  | Belt, Alternator, Replacement                                                                                                                        |
| S.I. 1252C | Bendix 1200 Series Magneto Installation                                                                                                              |
| S.B. 516A  | Bendix and TCM S-20 and S-1200 Series Impulse Coupling Magnetos, Inspection and Removal                                                              |
| S.I. 1276  | Bendix Electrical Components Bulletin No. 529A, "Torque Values for Drive Shaft Nut"                                                                  |
| S.I. 1365  | Bendix Electrical Components Bulletin No. 597, "Cleaning Ignition Harness Spark Plug Ends"                                                           |
| S.I. 1375  | Bendix Electrical Components Bulletin No. 603, "Ignition Noise in Aircraft Communications Equipment"                                                 |
| S.B. 305B* | Bendix Fuel Injector Bulletin No. 18, Rev. 4, "Replacement of Bendix Fuel Diaphragm Assy. (A.D. #67-22-06)                                           |
| S.I. 1166A | Bendix Fuel Injector Bulletin No. 20, Rev. 2, "Identifying Fuel to Air Seal Leak"                                                                    |
| S.I. 1244  | Bendix Fuel Injector Bulletin No. RS-35, "Changes – Regulator and Fuel Control System"                                                               |
| S.I. 1247  | Bendix Fuel Injector Bulletin No. RS-37, "Replacement of Idle Valve Lever Assy."                                                                     |
| S.B. 382*  | Bendix Fuel Injector Bulletin No. RS-43, "Inspection & Modification of Flow Dividers" (A.D. #75-09-15)                                               |
| S.B. 428*  | Bendix Fuel Injector Bulletin No. RS-52, "Mod. Of RSA-5AB1, RSA-5AD1 & RSA-10AD1" (Refer to Supplement No. 1 to S.B. 428) (A.D. #78-23-10)           |
| S.B. 429*  | Bendix Fuel Injector Bulletin No. RS-53, "Modification of RSA-7AA1" (A.D. #78-23-10)                                                                 |
| S.B. 430*  | Bendix Fuel Injector Bulletin No. RS-54, "Modification of RSA-10DB1, RSA-10DB2 & RSA-10ED1" (Refer to Supplement No. 1 to S.B. 430) (A.D. #78-23-10) |

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| Pub. No.   | Title                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 433A* | Bendix Fuel Injector Bulletin No. RS-57, Rev. 1, "Inspection of Fuel Diaphragm Assy. P/N 2529471" (A.D. #79-04-05)                                           |
| S.B. 444A* | Bendix Fuel Injector Bulletin No. RS-62, Rev. 2, "Modification of Mixture Control Shaft Assy." (A.D. #81-03-05)                                              |
| S.B. 445   | Bendix Fuel Injector Bulletin No. RS-63, "Inspection of Fuel Diaphragm Assy."                                                                                |
| S.B. 441   | Bendix Fuel Injector Bulletin No. RS-66, "Modification of Idle Valve Assy."                                                                                  |
| S.B. 442*  | Bendix Fuel Injector Bulletin No. RS-68, "Integrity Inspection of Regulator Stem Nut" (Refer to Supplement No. 1 to S.B. 442) (A.D. #'s 79-21-08 & 79-26-03) |
| S.B. 443*  | Bendix Fuel Injector Bulletin No. RS-69, "Integrity Inspection of Regulator Stem Nut" (A.D. #79-21-08)                                                       |
| S.I. 1414B | Bendix Fuel Injector Bulletin No. RS-77, Rev. 1, "Air Bleed Nozzle, RS & RSA Fuel Injection Systems, Two Piece Assembly"                                     |
| S.B. 467*  | Bendix Fuel Injector Bulletin No. RS-88, "Deter. Of Fuel Diaphragm Change" (Refer to Supplement No. 1 & No. 2 to S.B. 467) (A.D. #83-22-04)                  |
| S.I. 1378  | Bendix Fuel Injector Bulletin No. SSB-317, "Overheating Bendix Fuel Injectors & Carburetors"                                                                 |
| S.I. 1404A | Bendix Fuel Injector Bulletin No. SSB-318, "Overhaul Periods for Bendix Fuel System Components"                                                              |
| S.I. 1335  | Bendix Fuel Injector Letter No. 22, "Mixture Control Maintenance"                                                                                            |
| S.B. 340   | Bendix Magneto Bulletin No. 530A, "Securing Coil Clamp"                                                                                                      |
| S.I. 1260  | Bendix Magneto Bulletin No. 533A, "Acceptable Stress Relief Fissures, Flow Lines & Cracks"                                                                   |
| S.I. 1226  | Bendix Magneto Bulletin No. 545, "Tubing for S-1200 Cover Hold Down Screw"                                                                                   |
| S.B. 341   | Bendix Magneto Bulletin No. 549, "Locating Shoulder for Carbon Brush Spring"                                                                                 |
| S.B. 343B  | Bendix Magneto Bulletin No. 551A, "New Distributor Block Lubricant"                                                                                          |
| S.B. 376*  | Bendix Magneto Bulletin No. 556B, "Magneto Drive Shaft Bushing Change" (A.D. #74-26-09)                                                                      |
| S.I. 1282  | Bendix Magneto Bulletin No. 560, "Replacement of Transformer Coils & Rotating Magnets"                                                                       |
| S.B. 373   | Bendix Magneto Bulletin No. 566, "S-1200 Distributor Block & Gear Change" (Refer to Supplement No. 1 to S.B. 373)                                            |
| S.I. 1332  | Bendix Magneto Bulletin No. 573, "Green Distributor Blocks"                                                                                                  |
| S.I. 1327  | Bendix Magneto Bulletin No. 580, "Breaker Securing Screws"                                                                                                   |
| S.B. 416A* | Bendix Magneto Bulletin No. 584B, "Coil Retaining Devices, D2000/D2200 Mags" (A.D. #78-18-04)                                                                |
| S.B. 410*  | Bendix Magneto Bulletin No. 587, "Inspection D2000 Carburetor & Lead Crimp Terminals" (A.D. #78-18-04)                                                       |
| S.I. 1367  | Bendix Magneto Bulletin No. 588, "Stress Lines in Distributor Blocks"                                                                                        |
| S.B. 414*  | Bendix Magneto Bulletin No. 589, "Rear Bearing Lubrication, D2000/D2200 Mags." (A.D. #77-17-07 references Bendix Magneto Bulletin No. 589)                   |
| S.B. 415A* | Bendix Magneto Bulletin No. 590A, "Rotating Magnet to Housing Clearance, D2000/D2200 Mags." (A.D. #78-18-04)                                                 |
| S.I. 1382  | Bendix Magneto Bulletin No. 592, "Inspection of Breaker Contact Assys. & Capacitor Flag Terminal Crimps"                                                     |
| S.B. 427A  | Bendix Magneto Bulletin No. 600, "10-353110 Bearing in D2000/D2200 Mags."                                                                                    |
| S.B. 438A* | Bendix Magneto Bulletin No. 605A, "Housing Distortion & Coil Retention" (A.D. #80-17-14)                                                                     |
| S.B. 437*  | Bendix Magneto Bulletin No. 606, "D2000/D2200 Mags. Using Green Distributor Blocks" (A.D. #79-12-07)                                                         |
| S.I. 1400  | Bendix Magneto Bulletin No. 608, "Self-Locking Cam Retaining Screws"                                                                                         |
| S.B. 458   | Bendix Magneto Bulletin No. 613, "Inspection and/or Replacement of Green Distributor Blocks"                                                                 |
| S.B. 461   | Bendix Magneto Bulletin No. 617, "Inspection or Replacement of Distributor Gears"                                                                            |
| S.B. 459*  | Bendix Magneto Bulletin No. 618, "Inspection or Replacement of Distributor Gears" (A.D. #81-12-06)                                                           |
| S.B. 460   | Bendix Magneto Bulletin No. 619, "Inspection or Replacement of Distributor Gears"                                                                            |
| S.B. 464A* | Bendix Magneto Bulletin No. 623A, "Inspection of Impulse Coupling Cam Assys." (A.D. #82-20-01)                                                               |
| S.L. L207  | Bendix Magneto Bulletin No. 625, "Broken Coil Securing Clamps, P/N 10-50765"                                                                                 |
| S.I. 1433  | Bendix Magneto Bulletin No. 626, "Installation of Impulse Coupling Assemblies"                                                                               |
| S.B. 469   | Bendix Magneto Bulletin No. 627, "Distributor Block Kit P/N 10-682056 (6 cyl.) Dual Magneto Series"                                                          |
| S.B. 470   | Bendix Magneto Bulletin No. 628, "Replacement of Impulse Coupling Main Spring P/N 10-382941"                                                                 |
| S.B. 474   | Bendix Magneto Bulletin No. 629, "Insp. & Repl. Of Brown Mag. Blocks on Turbocharged (6 cyl.) Engines"                                                       |
| S.B. 365   | Bendix Magneto Conversion to Incorporate Flexible Drive                                                                                                      |

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| Pub. No.    | Title                                                                                                                                      |
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| S.I. 1346A  | Bendix S4LN-1208 Magnetos, Installation of                                                                                                 |
| S.L. L188   | Black Oxide Finish, Cylinders Treated with                                                                                                 |
| S.L. L196   | Blade, Screwdriver, ST-418-3, Revision to                                                                                                  |
| S.L. L284   | Blemish on Cylinder Barrel                                                                                                                 |
| S.I. 1352A  | Body Disassembly, Hydraulic Lifter                                                                                                         |
| S.I. 1307B  | Bolt Assembly, Connecting Rod, and Torque Application                                                                                      |
| S.I. 1209B* | Bolt Replacement, Crankshaft Flange (A.D. #80-04-04)                                                                                       |
| S.I. 1459   | Bolt Threads, Application of Sealant                                                                                                       |
| S.B. 554*   | Bolt, Crankshaft Gear Retaining, Replacement (A.D. #99-03-05) (Refer to Supplement No. 3, No. 4 (A.D. #2002-23-06), and No. 5 to S.B. 554) |
| S.I. 1170   | Bolt, Generator Mounting, Replacement                                                                                                      |
| S.L. 288    | Bolt Locking of Wastegate Solenoid Valve, Alternate                                                                                        |
| S.L. L251   | Bolt Marking, Connecting Rod                                                                                                               |
| S.B. 372B   | Bolt, T, High-Tensile Clamping Bands                                                                                                       |
| S.I. 1469   | Bolts, Connecting Rod with High-Tensile Strength                                                                                           |
| S.I. 1213   | Bolts, Connecting Rod, Increased Torque Value                                                                                              |
| S.B. 363    | Bolts, Connecting Rod, Part Number Listing PC-206: IO-360 Series Engines                                                                   |
| S.I. 1458G  | Bolts, Connecting Rod (Identification and Installation)                                                                                    |
| S.I. 1029D  | Bolts, Crankcase, Tightening Procedures for Thru-Studs and (Refer to Supplement No. 1 and No. 2 to S.I. 1029D)                             |
| S.I. 1248B  | Bolts, Engine Mounting Bracket Attaching                                                                                                   |
| S.I. 1380*  | Bolts, Engine Mounting Bracket Attaching Nuts or (A.D. #79-10-03)                                                                          |
| S.B. 491A*  | Bolts, Exhaust Transition, Inspection of (A.D. #91-10-04)                                                                                  |
| S.B. 371B*  | Bolts, High-Tensile Strength, Connecting Rod Assys. (New Rod Kits) (A.D. #73-05-01)                                                        |
| S.I. 1323A  | Bolts, High-Tensile Strength, Connecting Rods with                                                                                         |
| S.B. 590A   | Boost Pump (Aircraft) Use of, with Kelly Aerospace 200F Series Fuel Pumps                                                                  |
| S.I. 1417   | Bore Repair, Crankcase Gear Shaft                                                                                                          |
| S.I. 1377   | Bore Repair, Crankcase Main Bearing, and Oversize Main Bearings (Refer to Supplement No. 1 to S.I. 1377)                                   |
| S.I. 1334A  | Bore Repair, Crankcase Tappet                                                                                                              |
| S.I. 1315A  | Bracket and Clamp Installation, Turbocharger Strut                                                                                         |
| S.I. 1248B  | Bracket Attaching Bolts, Engine Mounting                                                                                                   |
| S.I. 1380*  | Bracket Attaching Nuts or Bolts, Engine Mounting (A.D. #79-10-03)                                                                          |
| S.I. 1306A  | Bracket Installation, Compressor Mounting                                                                                                  |
| S.B. 356    | Bracket, Addition of Alternator Support – TIO-540-A2C                                                                                      |
| S.I. 1531   | Bracket, Alternator; Engines Equipped with Kelly Aerospace E-drive Starters                                                                |
| S.B. 511    | Bracket, Alternator Installation                                                                                                           |
| S.I. 1270A  | Bracket, Alternator Mounting, Shims                                                                                                        |
| S.I. 1339A  | Bracket, Turbocharger                                                                                                                      |
| S.B. 463    | Bracket, Turbocharger Mounting, Inspection                                                                                                 |
| S.I. 1105B  | Brackets, Generator/Alternator Mounting, Periodic Inspection                                                                               |
| S.I. 1397A  | Breather Fitting, Overflow Oil from, of Inverted Oil System                                                                                |
| S.L. L208   | Breather Options for Aerobatic Engines                                                                                                     |
| S.I. 1366A  | Bushing Hole, Rocker Shaft, Repair Procedure for Worn                                                                                      |
| S. B. 630AA | Bushing Inspection After Cylinder Removal, Connecting Rod                                                                                  |
| S.I. 1098Q  | Bushing Location, Propeller Flange                                                                                                         |
| S.I. 1143C  | Bushing, Replacement and Inspection of Counterweights and Special Tooling Upgrades                                                         |
| S.I. 1044   | Bushing Replacement, Rear Crankshaft Spline                                                                                                |
| S.I. 1386A  | Bushing Magneto Drive Gear, Replacement of Damaged or Worn                                                                                 |
| S.I. 1575   | Bushing, New Connecting Rod                                                                                                                |
| S.I. 1142B  | Bushings, Crankshaft Counterweight, Replacement                                                                                            |
| S.B. 632B*  | Bushings, Identification of Connecting Rods with Non-Conforming Small End                                                                  |
| S.B. 645    | Bushing Inspection, Small End Connecting Rod                                                                                               |
| S.I. 1208   | Bushings, Magneto Shaft Bore, Installation of                                                                                              |



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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------------|
| S.I. 1452  | Bushings, Propeller Flange, Reindexing (O-360-C1G)                                                                         |
| S.B. 253A  | Bushings, Replacement of Propeller Flange                                                                                  |
| S.I. 1586  | Bypass Spring Replacement, Oil Filter Base                                                                                 |
| S.I. 1589  | Bypass Valve Assembly Replacement, Exhaust                                                                                 |
| S.I. 1585A | Bypass Valve Assembly Replacement, Oil Cooler                                                                              |
| S.I. 1316A | Bypass Valve Seat, Oil Cooler, Repair of                                                                                   |
| S.I. 1214A | Bypass Valve, Exhaust: Reset for Increased Critical Altitude                                                               |
| S.I. 1442A | Bypass Valve, Oil Filter, Improved                                                                                         |
| S.I. 1565A | Bypass Valve, Thermostatic Oil Cooler                                                                                      |
| S.I. 1423A | Bypass Valve, Thermostatic Oil Cooler, P/N 75944                                                                           |
| S.I. 1255A | Bypass Valve, Thermostatic Oil Cooler, Replacement                                                                         |
| S.B. 518D  | Bypass Valves, Thermostatic, Inspection of                                                                                 |
| S.I. 1008C | Bypass, Thermostatic Oil Cooler, Instructions for Installation                                                             |
| S.I. 1294  | Cable Routing, Alternate Ignition                                                                                          |
| S.L. L206A | Cam Followers/Tappet Bodies, Field-Reconditioned                                                                           |
| S.I. 1439  | Camshaft and Gear Assembly, New Integral, Installation (Refer to Supplement No. 1 to S.I. 1439)                            |
| S.I. 1016C | Camshaft and Gear Replacement – O & IO-540 Series                                                                          |
| S.L. L214A | Camshaft Exchange Program, Reconditioned (Notice of Discontinuance of Program)                                             |
| S.L. L245  | Camshaft Regrinding, Special Service Publication No. SSP-567                                                               |
| S.I. 1218A | Camshaft, With Integral Drive Gear, Parts Substitution Chart                                                               |
| S.B. 293B* | Camshaft, Installation of New (A.D. #63-23-02)                                                                             |
| S.I. 1182A | Camshaft, Modified for Improved Performance – GO-480 Series (S.L. 187) Reactivated with this Revision.                     |
| S.I. 1263B | Camshaft, Redesigned, for IO-360 Series Engines                                                                            |
| S.I. 1359  | Cap Modification, Connecting Rod                                                                                           |
| S.I. 1002  | Carburetor Air Filters, Proper Maintenance                                                                                 |
| S.L. L261A | Carburetor, Alternate O-360-J2A                                                                                            |
| S.I. 1523G | Carburetor, Manufacturer's Cross Referenced                                                                                |
| S.I. 1206  | Carburetor Float Clearance, Checking                                                                                       |
| S.I. 1148C | Carburetor Heat Control, Use of                                                                                            |
| S.I. 1390  | Carburetor Idle Tube Replacement                                                                                           |
| S.I. 1428  | Carburetor Modification for Richer Power Setting – O/LO-360-A                                                              |
| S.I. 1393  | Carburetor Modification Kit                                                                                                |
| S.I. 1398A | Carburetor Modification, Marvel-Schebler – O-540                                                                           |
| S.I. 1421  | Carburetor Modification, Marvel-Schebler – TO-360                                                                          |
| S.I. 1271A | Carburetor Nozzle Replacement – O-235                                                                                      |
| S.I. 1395A | Carburetor Nozzle Replacement – O-320-D2A                                                                                  |
| S.I. 1484C | Carburetor or Fuel Injector Servo Unit Hold Down Nuts, Installation Torque for Fuel Metering Device                        |
| S.L. L259  | Carburetor P/N 61C26051, Product Improvements on Lycoming – O-360-A4M                                                      |
| S.B. 409*  | Carburetor Replacement (A.D. #77-13-16)                                                                                    |
| S.B. 258   | Carburetor Setting Change to Eliminate Engine Roughness – Piper Aircraft                                                   |
| S.B. 330B* | Carburetor Throttle Arm Screw, Retighten and Lockwire (A.D. #72-06-05)                                                     |
| S.B. 366 B | Carburetor Throttle Body Screw Inspection                                                                                  |
| S.I. 1161  | Carburetor Throttle Shaft, Modification to Prevent Leakage                                                                 |
| S.B. 504*  | Carburetor, Consolidated Fuel Systems Inc. Bulletin No. CF1-92, Rev. 1, "Carburetor Float Kit CF666-915" (A.D. #93-19-04)  |
| S.B. 481   | Carburetor, Facet Aerospace Products Bulletin No. A1-87, "Carburetor Return and Inspection"                                |
| S.B. 483   | Carburetor, Facet Aerospace Products Bulletin No. A1-88, "Possible Loose 62-226 Pins"                                      |
| S.L. L186  | Carburetor, Marvel-Schebler Bulletin No. A1-76, "Carburetor Cleaning"                                                      |
| S.I. 1370  | Carburetor, Marvel-Schebler Bulletin No. A1-78, "Carburetor Mixture Control Retainer"                                      |
| S.B. 434*  | Carburetor, Marvel-Schebler Bulletin No. A1-79, "Improved Sealing of Economizer Channel HA-6 Carburetors" (A.D. #79-15-02) |
| S.I. 1413  | Carburetor, Marvel-Schebler Bulletin No. A1-81, "Model HA Carburetor Float Shaft and Bracket Wear"                         |
| S.I. 1373  | Carburetor, Marvel-Schebler Bulletin No. A2-78, "Sealing Pump and Economizer Rods"                                         |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                                                         |
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| S.B. 436*   | Carburetor, Marvel-Schebler Bulletin No. A2-79, "Possible Carburetor Contamination" (A.D. #79-08-06)                                                          |
| S.B. 310    | Carburetor, Marvel-Schebler Bulletin No. A3-66, "Replacement of Venturi"                                                                                      |
| S.B. 297A*  | Carburetor, Marvel-Schebler MA-4-5, One Piece and Main Venturi (A.D. #63-22-03)                                                                               |
| S.I. 1212   | Carburetor, Marvel-Schebler with Accelerator Pump – O-235-C Series                                                                                            |
| S.B. 352    | Carburetor, Marvel-Schebler/Tillotson Bulletin No. 1-71, "Securing Cam Lever"                                                                                 |
| S.B. 498B   | Carburetor, Precision Airmotive Corp. Bulletin No. MSA-2, Rev. 2, "One Piece Primary and Main Venturi"                                                        |
| S.B. 582A   | Carburetor, Precision Airmotive Corp. MANDATORY S.B. MSA-13, "Replacement of Carburetor Floats with New Foam Floats" (Refer to Supplement No. 1 to S.B. 582A) |
| S.L. L254   | Carburetors, Lycoming Model Designation for all                                                                                                               |
| S.L. 273    | Care Program, Service Bulletin No. 632 Customer                                                                                                               |
| S.B. 327C*  | Center Main Bearing Inspection (A.D. #'s 71-05-02 & 72-21-06)                                                                                                 |
| S.I. 1418   | Chamber Cleaning Procedure, Combustion                                                                                                                        |
| S.B. 637    | Champion Aerospace Service Bulletin SB1-19, Reprint of Slick/                                                                                                 |
| S.I. 1403   | Champion Bulletin No. 75-4, "Approved Spin-On Oil Filters"                                                                                                    |
| S.B. 622A   | Champion Bulletin SB1-15A, Slick Magnetos                                                                                                                     |
| S.L. L237   | Change in Telephone Area Code for Textron Lycoming, Williamsport, PA                                                                                          |
| S.I. 1500   | Change, Counterweight Roller for Robinson Helicopter                                                                                                          |
| S.I. 1315A  | Clamp and Bracket Installation, Turbocharger Strut                                                                                                            |
| S.B. 646A   | Clamp Inspection, T-Bolt                                                                                                                                      |
| S.B. 342G*  | Clamp Inspection and Installation, Support, and Fuel Line (A.D. #2015-19-07) (Refer to Supplements No. 1, No. 2, No. 3, No. 6, and No. 7 to S.B. 342G)        |
| S.B. 372B   | Clamping Bands, High-Tensile T-Bolts                                                                                                                          |
| S.I. 1355   | Clamps and Extensions, Intake Pipes                                                                                                                           |
| S.I. 1361   | Clamps, T-Bolt Hose                                                                                                                                           |
| S.B. 579    | Clearance Between Oil Sump Assembly and Oil Sump Baffle                                                                                                       |
| S.I. 1116C  | Clearance Modification, Exhaust Valve to Guide                                                                                                                |
| S.I. 1206   | Clearance, Checking Carburetor Float                                                                                                                          |
| S.I. 1487   | Clearance, Oil Drainback Tube                                                                                                                                 |
| S.B. 530B*  | Coating, Protective, Application on Crankshaft (A.D. #98-02-08) (Refer to Supplement No. 1 to S.B. 530B)                                                      |
| S.I. 1392   | Cold Weather Operation and Engine Lubricating Oil Recommendations                                                                                             |
| S.I. 1505   | Cold Weather Starting                                                                                                                                         |
| S.I. 1181   | Color Code on Cylinder for Avco Lycoming Engines                                                                                                              |
| S.I. 1418   | Combustion Chamber Cleaning Procedure                                                                                                                         |
| S.B. 604    | Compliance with HET Alert Service Bulletin No. 048, Turbocharger Model TAO411, P/N 410188-0019 Turbine Wheel Replacement (A.D. #2012-24-09)                   |
| S.I. 1579   | Components, Exhaust System Replacement                                                                                                                        |
| S.I. 1191A* | Compression, Cylinder (A.D. #95-26-02)                                                                                                                        |
| S.I. 1306A  | Compressor Mounting Bracket Installation                                                                                                                      |
| S.I. 1232   | Compressor Mounting Plate Assembly Procedure – TIGO-541                                                                                                       |
| S.B. 344    | Compressor Mounting Plate Assembly Procedure – TIO & TIGO-541                                                                                                 |
| S.I. 1192A  | Compressor, No. ST-266, Valve Spring                                                                                                                          |
| S.I. 1451A  | Compressor, Starter and Alternator Installation                                                                                                               |
| S.I. 1573E  | Configurations, Lycoming TEO-540 Engine Series Approved Engine                                                                                                |
| S.I. 1466   | Connecting Rod Assemblies                                                                                                                                     |
| S.I. 1467   | Connecting Rod Assemblies                                                                                                                                     |
| S.B. 302A*  | Connecting Rod Assemblies P/N 74308 and 74503, Replacement of (A.D. #66-06-03)                                                                                |
| S.B. 371B*  | Connecting Rod Assembly with High-Tensile Strength Bolts (New Rod Kits with High-Crush Bearings) (A.D. #73-05-01)                                             |
| S.B. 547*   | Connecting Rod Bearing Replacement on TIO-540-AE2A Model Engines (Refer to Supplement No. 1 to S.B. 547)                                                      |
| S.B. 561*   | Connecting Rod Bearing Replacement on (L)TIO-540-W2A, -V2AD, and -W2A Engines                                                                                 |
| S.I. 1512   | Connecting Rod Bearing Upgrade, Main and (Also Reference Supplement No. 1 to S.I. 1512)                                                                       |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                           |
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| S.I. 1307B  | Connecting Rod Bolt Assembly and Torque Application                                                             |
| S.L. L251   | Connecting Rod Bolt Marking                                                                                     |
| S.B. 363    | Connecting Rod Bolt Part Number Listing – PC-206: IO-360 Series Engines                                         |
| S.I. 1213   | Connecting Rod Bolts, Increased Torque Value                                                                    |
| S.I. 1458G  | Connecting Rod Bolts (Identification and Installation)                                                          |
| S.I. 1575   | Connecting Rod Bushing, New                                                                                     |
| S. B. 630A  | Connecting Rod Bushing Inspection After Cylinder Removal                                                        |
| S.I. 1359   | Connecting Rod Cap Modification                                                                                 |
| S.I. 1469   | Connecting Rod with High-Tensile Strength Bolts                                                                 |
| S.B. 351B*  | Connecting Rods (Heavy) for High Speed Geared Drive Engines (A.D. #74-13-05)                                    |
| S.B. 303F   | Connecting Rods (Heavy) for High Speed Helicopter Engines (A.D. 73-05-01)                                       |
| S.I. 1323A  | Connecting Rods with High-Tensile Strength Bolts                                                                |
| S.B. 632B*  | Connecting Rods with Non-Conforming Small End Bushings, Identification of                                       |
| S.B. 439A   | Connecting Rods, Inspection for Fretting and/or Galling, Repair of Fretting                                     |
| S.I. 1138B  | Connecting Rods, Replacement for IO-720 Series Engines                                                          |
| S.B. 645    | Connecting Rod Bushing Inspection, Small End                                                                    |
| S.B. 504*   | Consolidated Fuel Systems, Inc. Bulletin No. CF1-92, Rev. 1, “Carburetor Float Kit CF666-915” (A.D. #93-19-04)  |
| S.I. 1435   | Constant Speed to Fixed Pitch Propeller Conversion, and Vice Versa (Refer to Supplement No. 1 to S.I. 1435)     |
| S.B. 418    | Control Cable Rod End Replacement Waste Gate                                                                    |
| S.I. 1211D  | Controller Linkage and Fuel Injector Setting                                                                    |
| S.B. 440    | Controller, AiResearch Bulletin No. TP-60-0115, “Spring Pin Replacement”                                        |
| S.I. 1187J  | Controller, Density, Turbocharger Adjustment                                                                    |
| S.I. 1474   | Controller, Differential Pressure, Improved for TIO-540-AF1A Engine Model                                       |
| S.L. L231   | Controller, Variable Absolute, Pressure Calibration Values for AiResearch Turbo Control Test Set P/N 481070-1   |
| S.I. 1463   | Controllers, Improved for TIO-540-AE2A Engine Model                                                             |
| S.I. 1435   | Conversion from Constant Speed to Fixed Pitch Propeller and Vice Versa (Refer to Supplement No. 1 to S.I. 1435) |
| S.L. L204   | Conversion Kit P/N LW-18866, Fuel Injection                                                                     |
| S.B. 246    | Conversion of GO-435-C2B and –C2B2 to GO-435-C2B-6 and –C2B2-6                                                  |
| S.L. L156   | Conversion of O-290-G Surplus Power Plant Engines to O-290-D Engines (FAA Release No. 462)                      |
| S.I. 1246B  | Conversion, Engine, for Use of 100/130 Grade Fuel                                                               |
| S.I. 1383   | Conversion, Starter                                                                                             |
| S.I. 1453B* | Converter Plate Gasket, Oil Filter, Replacement of (A.D. #2002-12-07)                                           |
| S.B. 543C*  | Converter Plate Gasket, Oil Filter, Replacement (A.D. #2000-12-07) (Refer to Supplement No. 1 to S.B. 543C)     |
| S.L. L216   | Copyright of Avco Lycoming Williamsport Publications                                                            |
| S.L. L250A  | Core Policy, Lycoming’s Exchange Engine                                                                         |
| S.B. 394    | Corner Radii, Counterweight Inspection                                                                          |
| S.B. 606    | Correction of Engine Data Plate on IO-540-AE1A5 Engines                                                         |
| S.B. 480F   | Corrective Action, Oil Servicing, Metallic Solids Identification After Oil Servicing, and Associated            |
| S.I. 1535   | Counterweight and Roller Removal, Inspection, and Installation; (Refer to Supplement. No. 1 to S.I. 1535)       |
| S.I. 1142B  | Counterweight Bushings, Crankshaft, Replacement                                                                 |
| S.B. 394    | Counterweight Inspection for Corner Radii                                                                       |
| S.I. 1152A  | Counterweight Lobes, Crankshaft, Punch Marks                                                                    |
| S.I. 1500   | Counterweight Roller Change for Robinson Helicopter                                                             |
| S.B. 245D   | Counterweight System, Dynamic Detuning                                                                          |
| S.B. 333    | Counterweight, Inspection and Replacement                                                                       |
| S.I. 1143C  | Counterweights, Bushing Inspection, Replacement and Special Tooling Upgrades                                    |
| S.I. 1012L  | Counterweights and Rollers on Engine Models                                                                     |
| S.I. 1130   | Counterweights, Marking or Identifying                                                                          |
| S.I. 1330A  | Coupling, Alternator Drive, Spring Loaded – TIGO-541-E                                                          |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

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| S.B. 395    | Coupling, Transition, Replacement                                                                                   |
| S.B. 492A   | Couplings, Redesigned V-Band, for Tailpipe Installation                                                             |
| S.I. 1238B  | Couplings, V-Band, Assembly and Torque Procedures                                                                   |
| S.I. 1394   | Cover Assy., Accessory Housing, Modification to Retrofit Hollow Oil Transfer Dowel                                  |
| S.I. 1171   | Covers and Accessory Housings, Salvage of                                                                           |
| S.L. L228   | Cracking of Cylinder Head Exhaust Port                                                                              |
| S.I. 1225D  | Crankcase Bearing Dowel Replacement                                                                                 |
| S.B. 326A*  | Crankcase Bearing Dowel Replacement (A.D. #'s 71-05-02 & 72-21-06)                                                  |
| S.I. 1149   | Crankcase Bearing Support Web, Inspection & Modification                                                            |
| S.B. 273A   | Crankcase Center Main Bearing Support, Modification to Incorporate Body Fit Thru-Studs                              |
| S.L. L248   | Crankcase Design Upgrade (O-235)                                                                                    |
| S.I. 1417   | Crankcase Gear Shaft Bore Repair – (Dual Magnetos)                                                                  |
| S.I. 1377   | Crankcase Main Bearing Bore Repair and Oversize Main Bearings (Refer to Supplement No. 1 to S.I. 1377)              |
| S.I. 1159   | Crankcase Modification to Prevent Reduction Gear Housing Interference                                               |
| S.I. 1545   | Crankcase Nose, Expanded Clearance in                                                                               |
| S.B. 643    | Crankcase Nut Safety Wire Inspection                                                                                |
| S.I. 1312   | Crankcase P/N LW-13082, Propeller Drive Thrust Bearing Replacement                                                  |
| S.I. 1125D  | Crankcase Parting Surface Sealants, Alternate                                                                       |
| S.I. 1326   | Crankcase Repair (Thru-Stud Spotface)                                                                               |
| S.B. 353A   | Crankcase Replacement – TIO-541-E Series                                                                            |
| S.I. 1334A  | Crankcase Tappet Bore Repair                                                                                        |
| S.I. 1290F  | Crankcase Thru-Stud Locations, Repair of Oil Leakage, Assemble and Unassembled Engines                              |
| S.I. 1029D  | Crankcase Thru-Studs and Bolts, Tightening Procedures (Refer to Supplement No. 1 and No. 2 to S.I. 1029D)           |
| S.I. 1354B  | Crankcase Thrust Face Repair                                                                                        |
| S.I. 1177B  | Crankcase, Governor Drive Bearing Repair                                                                            |
| S.I. 1185   | Crankcase, Interference Between Crankshaft and                                                                      |
| S.B. 392B   | Crankcase, Reinforced – TIO/LTIO-540 (Refer to Supplement No. 2 to S.B. 392B)                                       |
| S.I. 1140   | Crankcase, Salvage Repair of Magneto Bearing Recess                                                                 |
| S.I. 1406E* | Crankcase Parts for Use with Large Diameter Hydraulic Lifters (A.D. #80-04-03)                                      |
| S.I. 1432A  | Crankcases without Retention Dowels, Installation of High-Crush, Thin-Wall, Rear Main Bearings in                   |
| S.B. 472    | Crankcases, Disassembly of Wide Cylinder Flange                                                                     |
| S.I. 1112E* | Crankcases, Repair of Fretted (Refer to Supplement No. 1 to S.I. 1112E) (A.D. #'s 71-05-02, 72-21-06, and 66-06-03) |
| S.I. 1345   | Crankcases, Service Replacement for Narrow Cylinder Flange Four Cylinder Engines                                    |
| S.I. 1465   | Crankshaft Assemblies for Non-Counterweighted Engine Models                                                         |
| S.B. 422A*  | Crankshaft Assembly Replacement (A.D. #78-12-09)                                                                    |
| S.I. 1113A  | Crankshaft Assembly, Revised to Eliminate Sludge Tubes                                                              |
| S.I. 1296   | Crankshaft Attaching Parts and Drive Plates                                                                         |
| S.B. 272A   | Crankshaft Center Main Journal, Retorquing of Thru-Studs to Assure Positive Clearance                               |
| S.I. 1142B  | Crankshaft Counterweight Bushings, Replacement                                                                      |
| S.I. 1152A  | Crankshaft Counterweight Lobes, Punch Marks                                                                         |
| S.B. 549    | Crankshaft/Engine Inspection (Refer to Supplement No. 1 to S.B. 549)                                                |
| S.B. 482    | Crankshaft Flange Area Cracking                                                                                     |
| S.I. 1209B* | Crankshaft Flange Bolt Replacement (A.D. #80-04-04)                                                                 |
| S.B. 465C*  | Crankshaft Flange Inspection for Aerobatic Engines (A.D. #84-13-05)                                                 |
| S.I. 1473   | Crankshaft Flange Thickness, Standardization                                                                        |
| S.B. 201F   | Crankshaft Flange Inspection                                                                                        |
| S.I. 1251   | Crankshaft Flange Oil Plug, Parts Catalog PC-111 & PC-112 Listing                                                   |
| S.I. 1180B  | Crankshaft Front Plug – HIO-360 Series                                                                              |
| S.B. 475C*  | Crankshaft Gear Modification and Assembly Procedures (A.D. #2004-10-14) (Refer to Supplement No. 1 to S.B. 475C)    |
| S.I. 1331A  | Crankshaft Gear Replacement – TIO & TIGO-541 Series                                                                 |

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| S.B. 554*   | Crankshaft Gear Retaining Bolt Replacement (Refer to Supplement No. 3, No. 4, and No. 5 to S.B. 554) (A.D. #2004-05-24)                                   |
| S.B. 505B*  | Crankshaft ID, Inspection for Corrosion                                                                                                                   |
| S.B. 308B*  | Crankshaft Idler Gear Shafts, Replacement of. (A.D. 66-14-03)                                                                                             |
| S.B. 553*   | Crankshaft Inspection for Lycoming Six Cylinder Turbocharged Engines (Refer to Supplement No. 1 to S.B. 553) (A.D. #2002-19-03)                           |
| S.I. 1205   | Crankshaft Journal Diameters, Standards, for                                                                                                              |
| S.I. 1333   | Crankshaft Listing: Catalog PC-206                                                                                                                        |
| S.I. 1020B  | Crankshaft Main Bearing Replacement                                                                                                                       |
| S.I. 1111   | Crankshaft Oil Seal Surface, Recondition of Worn                                                                                                          |
| S.I. 1324D  | Crankshaft Oil Seals                                                                                                                                      |
| S.B. 300B*  | Crankshaft Propeller Flange Inspection (A.D. #65-03-03)                                                                                                   |
| S.B. 222D   | Crankshaft Renitriding Recommendations                                                                                                                    |
| S.B. 566*   | Crankshaft Replacement in Lycoming Engines (A.D. #2005-19-11) (Refer to Supplement No. 1 to S.B. 566) (A.D. #2006-06-16)                                  |
| S.B. 552*   | Crankshaft Replacement in Lycoming TIO and LTIO-540 Engines Rated at 300 Horsepower and Higher (Refer to Supplement No. 1 to S.B. 552) (A.D. #2002-19-03) |
| S.B. 569A*  | Crankshaft Retirement for Certain Lycoming Engines (A.D. # 2006-20-09) (Refer to Supplement No. 1 of S.B.569A)                                            |
| S.I. 1044   | Crankshaft Spline Bushing Replacement, Rear                                                                                                               |
| S.L. L202B  | Crankshaft with Lightning Holes, All 320, 360 and 540 Series Engines Using, Installed in Aircraft Used for Aerobatic Maneuvers                            |
| S.B. 530B*  | Crankshaft, Application of Protective Coating (A.D. #98-02-08) (Refer to Supplement No. 1 to S.B. 530B)                                                   |
| S.I. 1185   | Crankshaft, Interference Between Crankcase and                                                                                                            |
| S.I. 1511A  | Crankshafts, "PID" Stamped, Inspection                                                                                                                    |
| S.I. 1130   | Crankshafts, Marking or Identifying                                                                                                                       |
| S.B. 484*   | Crossover Exhaust Assembly, Inspection, Alignment and Modification (A.D. #89-12-04)                                                                       |
| S.I. 1011N* | Current, Table of Tappet Bodies, Plunger Assys and Hydraulic Lifter Assys. (A.D. #62-03-02)                                                               |
| S.I. 1299B  | Cushion and Magneto Drive Gear Modification                                                                                                               |
| S.L. 273    | Customer Care Program, Service Bulletin No. 632                                                                                                           |
| S.B. 634    | Cylinder and Head Assembly Serviceable Life                                                                                                               |
| S.B. 578    | Cylinder Assemblies, Incorrect, Shipped with Cylinder Kits                                                                                                |
| S.B. 334C   | Cylinder Assemblies, Replacement                                                                                                                          |
| S.I. 1504   | Cylinder Assembly Inspection/Replacement on O-235 Engines                                                                                                 |
| S.L. L284   | Cylinder Barrel, Blemish on                                                                                                                               |
| S.L. L159D  | Cylinder Barrel Repair, Facilities for                                                                                                                    |
| S.B. 213A   | Cylinder Base Allen Head Nuts, Replacing Cylinder Base Spline Nuts with                                                                                   |
| S.B. 213A   | Cylinder Base Spline Nuts, Replacing with Cylinder Base Allen Head Nuts                                                                                   |
| S.I. 1191A* | Cylinder Compression (A.D. #95-26-02)                                                                                                                     |
| S.L. L285   | Cylinder Configuration for O-235-C, -E, and -H Series Engines, Change in                                                                                  |
| S.L. L220C  | Cylinder Configuration on Lycoming Engines, Wide Deck                                                                                                     |
| S.L. L263   | Cylinder, Discolored Paint on                                                                                                                             |
| S.B. 507    | Cylinder Head Assembly, Missing Spotfaces on P/N 74218                                                                                                    |
| S.L. L228   | Cylinder Head Exhaust Port, Cracking of                                                                                                                   |
| S.I. 1135A  | Cylinder Head Inspection, Repair and Modification                                                                                                         |
| S.I. 1228A  | Cylinder Hold-Down Plates, Modification of                                                                                                                |
| S.B. 520    | Cylinder Kits P/N 05K21108, P/N 05K21118 and P/N 05K21104, Shipped with Incorrect Piston                                                                  |
| S.B. 578    | Cylinder Kits Shipped with Incorrect Cylinder Assemblies                                                                                                  |
| S.B. 271A   | Cylinder Painting                                                                                                                                         |
| S.B. 574A   | Cylinder Stud Hole Cross-Threaded                                                                                                                         |
| S.L. L188   | Cylinders Treated with Block Oxide Finish                                                                                                                 |
| S.I. 1037Y  | Cylinders, Approved for Use in Lycoming Aircraft Engines                                                                                                  |
| S.I. 1181   | Cylinders, Color Code for Avco Lycoming Engines                                                                                                           |
| S.I. 1047B  | Cylinders, Inspection and Reconditioning Procedures for Nitride Hardened Steel                                                                            |

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| S.I. 1136A | Cylinders, Parallel Valve, Exhaust Valves with ½" Diameter Stems and Ni-Resist Guides (Refer to Supplement No. 1 to S.I. 1136A) |
| S.I. 1075A | Cylinders, Top Exhaust, Procedure for Removing Push Rods and Shroud Tubes                                                       |
| S.I. 1187J | Density Controller Adjustment, Turbocharger                                                                                     |
| S.L. L248  | Design Upgrade, Crankcase (O-235)                                                                                               |
| S.L. L279A | Designation for Fuel Injectors, Lycoming Model                                                                                  |
| S.B. 245D  | Detuning, Dynamic Counterweight System                                                                                          |
| S.L. L172C | DIEGME or DEGMME Diethylene Glycol Monomethyl Ether, Fuel Additive                                                              |
| S.L. L255A | Diaphragm-Type Fuel Pump, Approved                                                                                              |
| S.B. 548A  | Diaphragm-Type Fuel Pump Inspection/Replacement                                                                                 |
| S.B. 565   | Diaphragm-Type Fuel Pump Inspection/Replacement                                                                                 |
| S.B. 621B  | Diaphragm-Type Fuel Pump Replacement                                                                                            |
| S.I. 1446* | Diaphragm, Pressure Regulator, Possible Ruptured, in AN Fuel Pump (A.D. #91-08-07)                                              |
| S.L. L271  | Digital Technical Publications, How to Access Lycoming                                                                          |
| S.B. 472   | Disassembly of Wide Cylinder Flange Crankcases                                                                                  |
| S.L. L200  | Disclaimer Statement                                                                                                            |
| S.L. L226  | Discoloration, LW-16702 Oil Additive                                                                                            |
| S.L. L263  | Discolored Paint on Cylinder                                                                                                    |
| S.I. 1344  | Dowel Hole Repair, Propeller Flange                                                                                             |
| S.I. 1298  | Dowel Removal, Engine Mounting                                                                                                  |
| S.I. 1225D | Dowel, Crankcase Bearing, Replacement                                                                                           |
| S.I. 1123D | Dowel, Installation of P/N 75302 at Thru-Stud Locations                                                                         |
| S.I. 1394  | Dowel, Oil Transfer, Modification to Retrofit Hollow, on Accessory Housing & Cover Assy.                                        |
| S.I. 1503  | Dowel, Shaft and Accessory Drive Gear Replacement                                                                               |
| S.I. 1399  | Drain Tube Replacement, Turbocharger Oil                                                                                        |
| S.B. 426*  | Drain Flange Replacement, Turbocharger Oil (A.D. #80-02-13)                                                                     |
| S.B. 534   | Drain Tank, Oil, Turbocharger, Inspection/Replacement                                                                           |
| S.I. 1487  | Drainback Tube, Oil, Clearance                                                                                                  |
| S.L. L264A | Drift in Magneto-to-Engine Timing, Engine Start Problems Due to                                                                 |
| S.I. 1264  | Drains, Moisture, Addition in Magneto Cover                                                                                     |
| S.I. 1158  | Drive Adapter, Magneto, Replacement                                                                                             |
| S.I. 1144  | Drive Assy. (64894), Use & Maintenance of 4-Lug Test, with Vertical Test Stand (64765)                                          |
| S.I. 1239  | Drive Assy., Starter Replacement                                                                                                |
| S.I. 1177B | Drive Bearing Repair, Governor, in Crankcase                                                                                    |
| S.I. 1330A | Drive Coupling, Alternator, Spring Loaded – TIGO-541-E                                                                          |
| S.I. 1351  | Drive Gear and Drive Shaft, Accessory                                                                                           |
| S.I. 1386A | Drive Gear Bushing, Magneto, Replacement of Damaged or Worn                                                                     |
| S.I. 1118A | Drive Gear Replacement, Starter                                                                                                 |
| S.I. 1503  | Drive Gear, Accessory and Shaft Dowel Replacement                                                                               |
| S.I. 1387  | Drive Gear, Governor, Replacement of                                                                                            |
| S.I. 1218A | Drive Gear, Integral, Parts Substitution Chart for Camshaft with                                                                |
| S.I. 1360  | Drive Gear, Magneto                                                                                                             |
| S.I. 1299B | Drive Gear, Magneto, and Cushion Modification                                                                                   |
| S.I. 1242A | Drive Gear, Starter, Thrust Washers for                                                                                         |
| S.I. 1278  | Drive Lubrication, Starter                                                                                                      |
| S.I. 1287  | Drive Modification, Starter: Cold Weather Starting                                                                              |
| S.I. 1376  | Drive Pin Replacement, Starter                                                                                                  |
| S.I. 1296  | Drive Plate and Crankshaft Attaching Parts                                                                                      |
| S.I. 1084A | Drive Shaft and Components, Intermediate Supercharger                                                                           |
| S.I. 1338  | Drive Shaft Modification, Hydraulic Pump                                                                                        |
| S.I. 1145  | Drive Shaft, Accessory, Modification to Incorporate, with Larger Spline Drive                                                   |
| S.I. 1420A | Drive Spline Lubrication, Fuel Pump                                                                                             |
| S.B. 411D  | Drive, Magneto Isolation, Adapter Kit                                                                                           |
| S.I. 1203  | Driveshaft Adapter Assembly, Accessory, Installation of Improved                                                                |

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| S.I. 1221A  | Dry Air Pump Drive Seal Replacement                                                                                                                      |
| S.B. 113    | Dry Sump Test Stand Installation of Lycoming Opposed Series Engines                                                                                      |
| S.I. 1508C  | Dual Magneto Attachment                                                                                                                                  |
| S.L. L172C  | EGME, Ethylene Glyco Monomethyl Ether, Fuel Additive                                                                                                     |
| S.I. 1276   | Electrical Components, Bendix Bulletin No. 529A, "Torque Values for Drive Shaft Nut"                                                                     |
| S.I. 1546   | Electrical Lead on Hartzell Engine Technologies, LLC Starters, Specific Requirements for Installation and Removal                                        |
| S.B. 649    | Electronic Ignition System (EIS), Installation of Correct                                                                                                |
| S.I. 1569B  | Electronic Ignition System (EIS), Installation, Operation, and Maintenance of Lycoming                                                                   |
| S.I. 1443S  | Electronic Ignition System (EIS) on Lycoming Engines, Approved Slick Magnetos and                                                                        |
| S.I. 1427C  | Engine Break-In and Oil Consumption Test Limits                                                                                                          |
| S.L. L114BK | Engine and Accessory Maintenance Publications                                                                                                            |
| S.I. 1573E  | Engine Configurations, Lycoming TEO-540 Engine Series Approved                                                                                           |
| S.I. 1246B  | Engine Conversion for Use of 100/130 Grade Fuel                                                                                                          |
| S.L. L250A  | Engine Core Policy, Lycoming Engines Exchange                                                                                                            |
| S.B. 549    | Engine/Crankshaft Inspection (Refer to Supplement No. 1 to S.B. 549)                                                                                     |
| S.B. 606    | Engine Data Plate on IO-540-AE1A5 Engines, Correction                                                                                                    |
| S.L. L193   | Engine Firing Order                                                                                                                                      |
| S.B. 369S   | Engine Inspection after Overspeed                                                                                                                        |
| S.B. 357    | Engine Inspection in Event of Immersion                                                                                                                  |
| S.I. 1530   | Engine Inspection in Particulate-Laden Environments                                                                                                      |
| S.B. 547*   | Engine Model TIO-540-AE2A, Connecting Rod Bearing Replacement (Refer to Supplement No. 1 to S.B. 547)                                                    |
| S.I. 1463   | Engine Model TIO-540-AE2A, Improved Controllers                                                                                                          |
| S.I. 1248B  | Engine Mounting Bracket Attaching Bolts                                                                                                                  |
| S.I. 1408C  | Engine Mounting Bracket Replacement                                                                                                                      |
| S.I. 1304J  | Engine Nameplate Replacement                                                                                                                             |
| S.L. L109   | Engine Operation, Suggestions for Better                                                                                                                 |
| S.L. L142B  | Engine Performance, Policy Relative to Alterations                                                                                                       |
| S.L. L180B  | Engine Preservation for Active and Stored Aircraft                                                                                                       |
| S.I. 1481B  | Engine Preservation, Factory                                                                                                                             |
| S.I. 1497A  | Engine Procedures for Flight Training Operations                                                                                                         |
| S.I. 1498B  | Engine Procedures for Purging Vapor During Ground Operations, Recommended                                                                                |
| S.I. 1241C  | Engine Start, Pre-Oiling Prior to Initial                                                                                                                |
| S.L. L264A  | Engine Start Problems Due to Drift in Magneto-to-Engine Timing                                                                                           |
| S.I. 1287   | Engine Starting, Cold Weather: Starter Drive Modification                                                                                                |
| S.I. 1362   | Engine Starting, Hard                                                                                                                                    |
| S.B. 349    | Engine Starting, Relocating Fuel Drain Valve to Improve                                                                                                  |
| S.B. 533C*  | Engine Stoppage, Recommendations Regarding Accidental (A.D. #2004-10-14)                                                                                 |
| S.I. 1437   | Engine Timing Marks                                                                                                                                      |
| S.I. 1472   | Engine, Removal of Preservative Oil                                                                                                                      |
| S.L. L202B  | Engines Installed in Aircraft Used for Aerobatic Maneuvers, All 320, 360 and 540 Series Using Crankshaft with Lightning Holes                            |
| S.L. L154B  | Engines, Ordering and/or Special Adjustment Consideration for Returned or Run-Out                                                                        |
| S.B. 553*   | Engines, Lycoming Six Cylinder Turbocharged Engines, Crankshaft Replacement (Refer to Supplement No. 1 to S.B. 553) (A.D. #2002-19-03)                   |
| S.B. 552*   | Engines, Lycoming TIO and LTIO-540, Crankshaft Replacement, Rated at 300 Horsepower or Higher (Refer to Supplement No. 1 to S.B. 552) (A.D. #2002-19-03) |
| S.B. 566*   | Engines, Lycoming, Crankshaft Replacement (A.D. #2005-19-11) (Refer to Supplement No. 1 to S.B. 566) (A.D. #2006-06-16)                                  |
| S.B. 569A*  | Engines, Lycoming, Crankshaft Retirement for Certain (A.D. #2006-20-09) (Refer to Supplement No. 1 to S.B. 569A)                                         |
| S.I. 1504   | Engines, O-235, Cylinder Assembly Inspection/Replacement                                                                                                 |
| S.I. 1517   | Engines, TIO-540-AK1A Series, Timing Change                                                                                                              |

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| S.L. L220C | Engines, Wide Deck Cylinder Configuration                                                                                         |
| S.I. 1506A | Engines, 4-Cylinder, Replacement of Impulse Coupling Magnetos                                                                     |
| S.L. L250A | Exchange Engine Core Policy, Lycoming Engines                                                                                     |
| S.B. 484*  | Exhaust Assembly, Crossover, Inspection, Alignment and Modification of (A.D. #89-12-04)                                           |
| S.I. 1589  | Exhaust Bypass Valve Assembly Replacement                                                                                         |
| S.I. 1214A | Exhaust Bypass Valve: Reset for Critical Altitude                                                                                 |
| S.I. 1204D | Exhaust Flange Gaskets                                                                                                            |
| S.I. 1363  | Exhaust Manifold Ball Joint Retaining Strap – TO-360-C1A6D                                                                        |
| S.I. 1320  | Exhaust Manifold Components, Tightening Procedure                                                                                 |
| S.I. 1410  | Exhaust Manifold Pipe Improvement                                                                                                 |
| S.I. 1391  | Exhaust Manifold Tube Alignment                                                                                                   |
| S.I. 1190  | Exhaust Manifold Tube Modification                                                                                                |
| S.B. 499C* | Exhaust Pipe Kit (05K21503), One-Piece, Installation of (A.D. #91-21-01)                                                          |
| S.B. 479   | Exhaust Pipe, Inspection of P/N 77429 Right Intermediate, and Exhaust Slip Joint Modification                                     |
| S.L. L228  | Exhaust Port, Cracking of Cylinder Head                                                                                           |
| S.B. 393C  | Exhaust Slip Joint Modification – TIGO-541-E Series                                                                               |
| S.B. 479   | Exhaust Slip Joint Modification and Inspection of P/N 77429 Right Intermediate Exhaust Pipe – TIO-541-E Series                    |
| S.B. 435*  | Exhaust Spring Seat, Upper, Replacement of Hydraulic Lifter and (Refer to Supplement No.1 and No. 2 to S.B. 435) (A.D. #80-04-03) |
| S.I. 1422A | Exhaust System Inspection (EGT Probe Depth)                                                                                       |
| S.B. 614A* | Exhaust System Inspection and Turbocharger Mounting Bracket Replacement – TIO-540-AJ1A (A.D. #2015-10-06)                         |
| S.B. 627E* | Exhaust System Inspection TIO-540-AJ1A (A.D. #62-03-02)                                                                           |
| S.I. 1562  | Exhaust System Installation, Turbocharged                                                                                         |
| S.I. 1579  | Exhaust System Replacement Components                                                                                             |
| S.L. L275A | Exhaust System Replacement Referenced in SB627E, Warranty Procedure for                                                           |
| S.B. 521   | Exhaust System Slip Joints, Inspection for Proper Engagement and Inspection of Marmon Flange Joint at Transition Inlet            |
| S.B. 491A* | Exhaust Transition Bolts, Inspection of (A.D. #91-10-04)                                                                          |
| S.I. 1485A | Exhaust Valve and Guide Identification Procedure                                                                                  |
| S.B. 388C  | Exhaust Valve and Guide, Procedure to Determine Condition                                                                         |
| S.I. 1342  | Exhaust Valve Guide Clearance, Increased                                                                                          |
| S.I. 1479A | Exhaust Valve Guide Kit, Oil Cooled, TIO-540-AF1A                                                                                 |
| S.B. 503   | Exhaust Valve Guide Replacement on TIO-540-AF1A Engines                                                                           |
| S.I. 1200A | Exhaust Valve Guide, Honing During Replacement                                                                                    |
| S.B. 490A  | Exhaust Valve Guides, and Intake, Installation of                                                                                 |
| S.B. 293B* | Exhaust Valve Guides, Inspection of (A.D. #63-23-02)                                                                              |
| S.B. 404   | Exhaust Valve Inspection (High Lead Fuel Operation)                                                                               |
| S.I. 1430  | Exhaust Valve Replacement – All with P/N 73111 Exhaust Valves                                                                     |
| S.B. 419   | Exhaust Valve Replacement – TO-360                                                                                                |
| S.I. 1268C | Exhaust Valve Rocker Assy.                                                                                                        |
| S.I. 1468A | Exhaust Valve Rocker Assy.                                                                                                        |
| S.B. 585   | Exhaust Valve Rotator Cap, Incorrect Shipped with Cylinder Kits P/N 05K21119, 05K21121, and 05K21122                              |
| S.I. 1381  | Exhaust Valve Spring Seats, Upper, and Hydraulic Lifter, Replacement                                                              |
| S.B. 447B* | Exhaust Valve Spring Seats, Inspection (A.D. #80-14-07)                                                                           |
| S.I. 1116C | Exhaust Valve to Guide Clearance Modification                                                                                     |
| S.I. 1545  | Expanded Clearance in Crankcase Nose                                                                                              |
| S.I. 1583  | Expansion Plug Replacement, Front                                                                                                 |
| S.L. L270  | Extended Maintenance Intervals for Spark-Ignited Engines Operated on Unleaded Fuels                                               |
| S.L. L213A | Extension Kit, Time Between Overhaul (TBO)                                                                                        |
| S.I. 1355  | Extensions and Clamps, Intake Pipe                                                                                                |
| S.L. L258  | External Retaining Ring, Part Number Supersedure for                                                                              |



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| S.I. 1354B  | Face Repair, Crankcase Thrust                                                                                                           |
| S.B. 481    | Facet Aerospace Products S.B. A1-87, "Carburetor Return and Inspection"                                                                 |
| S.B. 483    | Facet Aerospace Products S.B. A1-88, "Possible Loose 62-226 Pins"                                                                       |
| S.L. L159D  | Facilities for Cylinder Barrel Repair                                                                                                   |
| S.I. 1481B  | Factory Engine Preservation                                                                                                             |
| S.B. 625    | Fan, Alternator Backplate                                                                                                               |
| S.L. L206A  | Filed-Reconditioned Tappet Bodies/Cam Followers                                                                                         |
| S.B. 545A   | Filler Tube, Oil, Replacement                                                                                                           |
| S.I. 1169C  | Filter Assy., Oil, Inspection and Replacement                                                                                           |
| S.B. 466    | Filter Base Adapter, Oil, Inspection                                                                                                    |
| S.B. 480F   | Oil Servicing, Metallic Solids Identification After Oil Servicing, and Associated Corrective Action                                     |
| S.B. 337A   | Filter Housing, Oil, and Bolt Modification                                                                                              |
| S.I. 1457A  | Filter Kit, Remote Mount Oil Filter Kits                                                                                                |
| S.L. L183   | Filter Lubricants, Spin-On                                                                                                              |
| S.I. 1186   | Filter Screen, Removal from Fuel Injector Nozzle                                                                                        |
| S.I. 1002   | Filters, Carburetor Air, Proper Maintenance                                                                                             |
| S.I. 1109   | Filters, Fuel and Oil, Procedure for Cleaning Simmonds Fuel Injector                                                                    |
| S.I. 1079B  | Filters, Fuel Line Servo, Periodic Maintenance                                                                                          |
| S.B. 431    | Fire Sleeve, Teflon Fuel Hoses with                                                                                                     |
| S.L. L193   | Firing Order, Engines                                                                                                                   |
| S.I. 1062   | Fitting "T", Maintenance Procedures for the Fuel Vent Return                                                                            |
| S.B. 494*   | Fittings, Restricted Fuel Pump Vent, Installation of (A.D. #91-08-07)                                                                   |
| S.B. 497*   | Fittings, Restricted Fuel Pump Vent, New, Installation in AN Drive (A.D. #91-08-07)                                                     |
| S.I. 1435   | Fixed Pitch to Constant Speed Propeller Conversion, and Vice Versa (Refer to Supplement No. 1 to S.I. 1435)                             |
| S.B. 482    | Flange Area, Cracking, Crankshaft                                                                                                       |
| S.I. 1209B* | Flange Bolt Replacement, Crankshaft (A.D. #80-04-04)                                                                                    |
| S.I. 1098Q  | Flange Bushing Location, Propeller                                                                                                      |
| S.I. 1452   | Flange Bushings, Propeller, Re-indexing (O-360-C1G)                                                                                     |
| S.B. 253A   | Flange Bushings, Replacement of Propeller                                                                                               |
| S.I. 1344   | Flange Dowel Hole Repair, Propeller                                                                                                     |
| S.I. 1204D  | Flange Gaskets, Exhaust                                                                                                                 |
| S.B. 521    | Flange Joint, Marmon, Inspection at Transition Inlet and Inspection of Exhaust System Slip Joints for Proper Engagement                 |
| S.B. 426*   | Flange Replacement, Turbocharger Oil Drain (A.D. #80-02-13)                                                                             |
| S.I. 1473   | Flange Thickness, Crankshaft, Standardization                                                                                           |
| S.B. 465C*  | Flange, Crankshaft, Inspection for Aerobatic Engines (A.D. #84-13-05)                                                                   |
| S.B. 300B*  | Flange, Inspection of Crankshaft Propeller (A.D. #65-03-03)                                                                             |
| S.I. 1345   | Flange, Narrow Cylinder, Service Replacement Crankcases for Four Cylinder Engines                                                       |
| S.B. 201F   | Flanges, Inspection Crankshaft                                                                                                          |
| S.I. 1497A  | Flight Training, Engine Procedures for                                                                                                  |
| S.B. 626A   | Flow Divider AVStar (Lycoming Fuel Manifold) Inspection                                                                                 |
| S.I. 1206   | Float, Carburetor, Checking Clearance                                                                                                   |
| S.I. 1486A  | Flow Divider and Fuel Injector Replacement                                                                                              |
| S.I. 1502A  | Flow Divider, Inverted, Installation of                                                                                                 |
| S.L. L192B  | Fouling, Spark Plug                                                                                                                     |
| S.I. 1112E* | Fretted Crankcases, Repair of (Refer to Supplement No. 1 to S.I. 1112E) (A.D. #71-05-02, #72-21-06, and #66-06-03)                      |
| S.B. 439A   | Fretting, Inspection and Repair of Connecting Rod                                                                                       |
| S.I. 1583   | Front Expansion Plug Replacement                                                                                                        |
| S.L. L190   | Fuel Additive, Use of "TCP"                                                                                                             |
| S.L. L172C  | Fuel Additive, Use of Ethylene Glycol Monomethyl Ether (EGME) such as "Prist" and Diethylene Glycol Monomethyl Ether (DIEGME or DEGMME) |
| S.L. L221C  | Fuel Control Components, Precision, Warranty Repair of                                                                                  |

## Alphabetical Listing of Lycoming Service Bulletins, Letters, and Instructions

\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                                         |
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| S.B. 384   | Fuel Drain Check Valve Modification                                                                                                                           |
| S.B. 597   | Fuel Drain Valve Adapter Assembly P/N LW-13807                                                                                                                |
| S.B. 349   | Fuel Drain Valve, Relocating to Improve Engine Starting                                                                                                       |
| S.L. 287   | Fuel Economy and Improved Manifold Pressure Stability, Increased                                                                                              |
| S.I. 1246B | Fuel, Engine Conversion for Use of 100/130 Grade Fuel                                                                                                         |
| S.I. 1109  | Fuel Filters, Procedures for Cleaning Simmonds Fuel Injector                                                                                                  |
| S.I. 1069A | Fuel Flow, Procedure for Inspection & Adjustment to Regulate, on Simmonds Model No. 580 Fuel Injector                                                         |
| S.L. L185B | Fuel, Higher Octane Aviation, Use of 100LL for Engines Rated 80/87 Octane                                                                                     |
| S.I. 1274B | Fuel Hoses, Silicone Coated, Service Replacement                                                                                                              |
| S.B. 431   | Fuel Hoses, Teflon with Fire Sleeve                                                                                                                           |
| S.L. L204  | Fuel Injection Conversion Kit P/N LW-18866                                                                                                                    |
| S.I. 1455  | Fuel Injection Manifold Kit P/N 05K21433, Installation                                                                                                        |
| S.I. 1072  | Fuel Injection Nozzles for Simmonds No. 530 Fuel Injection System                                                                                             |
| S.I. 1040A | Fuel Injection System, Simmonds No. 530, Maintenance Procedures                                                                                               |
| S.I. 1211D | Fuel Injector and Controller Linkage Setting                                                                                                                  |
| S.I. 1486A | Fuel Injector and Flow Divider Replacement                                                                                                                    |
| S.I. 1484C | Fuel Injector or Carburetor Servo Unit Hold Down Nuts, Installation Torque for Fuel Metering Device                                                           |
| S.I. 1491  | Fuel Injector Check                                                                                                                                           |
| S.I. 1301B | Fuel Injector Lines, Identification                                                                                                                           |
| S.B. 331   | Fuel Injector Lines, Inspection and Removal of Rubber Sleeve                                                                                                  |
| S.I. 1026  | Fuel Injector Mixture Control Installation Procedure, Simmonds Model 580                                                                                      |
| S.B. 510   | Fuel Injector Nozzle Assys, Recall, Precision Airmotive Corp. Bulletin No. PRS-101 (Refer to Supplement No. 1 to S.B. 510)                                    |
| S.I. 1186  | Fuel Injector Nozzle, Removal of Filter Screen                                                                                                                |
| S.I. 1275C | Fuel Injector Nozzles, Cleaning                                                                                                                               |
| S.I. 1231  | Fuel Injector Nozzles, Torque Requirement – TIO & TIGO-541 Series                                                                                             |
| S.B. 305B* | Fuel Injector, Bendix Bulletin No. 18, Rev. 4, “Requirement of Fuel Diaphragm Assy.” (A.D. #67-22-06)                                                         |
| S.I. 1166A | Fuel Injector, Bendix Bulletin No. 20, Rev. 2, “Identifying Fuel to Air Seal Leak”                                                                            |
| S.I. 1244  | Fuel Injector, Bendix Bulletin No. RS-35, “Changes – Regulator & Fuel Control System”                                                                         |
| S.I. 1247  | Fuel Injector, Bendix Bulletin No. RS-37, “Replacement of Idle Valve Lever Assy.”                                                                             |
| S.B. 382*  | Fuel Injector, Bendix Bulletin No. RS-43, “Inspection and Modification of Flow Dividers” (A.D. #75-09-15)                                                     |
| S.B. 428*  | Fuel Injector, Bendix Bulletin No. RS-52, “Mod. Of RSA-5AB1, RSA-5AD1 & RSA-10AD1” (Refer to Supplement No. 1 to S.B. 428) (A.D. #78-23-10)                   |
| S.B. 429*  | Fuel Injector, Bendix Bulletin No. RS-53, “Modification of RSA-7AA1” (A.D. #78-23-10)                                                                         |
| S.B. 430*  | Fuel Injector, Bendix Bulletin No. RS-54, “Mod. Of RSA-10DB1, RSA-10DB2 & RSA-10ED1” (Refer to Supplement No. 1 to S.B. 430) (A.D. #78-23-10)                 |
| S.B. 433A* | Fuel Injector, Bendix Bulletin No. RS-57, Rev. 1, “Inspection of Fuel Diaphragm Assy. P/N 2529471” (A.D. #79-04-05)                                           |
| S.B. 444A* | Fuel Injector, Bendix Bulletin No. RS-62, Rev. 2, “Modification of Mixture Control Shaft Assy.” (A.D. #81-03-05)                                              |
| S.B. 445   | Fuel Injector, Bendix Bulletin No. RS-63, “Inspection of Fuel Diaphragm Assy.”                                                                                |
| S.B. 441   | Fuel Injector, Bendix Bulletin No. RS-66, “Modification of Idle Valve Assy.”                                                                                  |
| S.B. 442*  | Fuel Injector, Bendix Bulletin No. RS-68, “Integrity Inspection of Regulator Stem Nut” (Refer to Supplement No. 1 to S.B. 442) (A.D. #'s 79-21-08 & 79-26-03) |
| S.B. 443*  | Fuel Injector, Bendix Bulletin No. RS-69, “Integrity Inspection of Regulator Stem Nut” (A.D. #79-21-08)                                                       |
| S.I. 1414B | Fuel Injector, Bendix Bulletin No. RS-77, Rev. 1, “Air Bleed Nozzle, RS & RSA Fuel Injection Systems, Two Piece Assy.”                                        |
| S.B. 467*  | Fuel Injector, Bendix Bulletin No. RS-88, “Deter. Of Fuel Diaphragm Change” (Refer to Supplement No. 1 and No. 2 to S.B. 467) (A.D. #83-22-04)                |
| S.I. 1404A | Fuel Injector, Bendix Bulletin No. SSB-318, “Overhaul Periods for Bendix Fuel System Components”                                                              |
| S.I. 1335  | Fuel Injector, Bendix Letter No. 22, “Mixture Control Maintenance”                                                                                            |
| S.I. 1445  | Fuel Injector, Precision Airmotive Corp. S.B. PRS-91, “Timing of the Power Enrichment Valve Opening”                                                          |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

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| S.B. 485*  | Fuel Injector, Precision Airmotive Corp.S.B. PRS-92, "Contamination" (A.D. #89-13-02)                                                                                              |
| S.B. 532   | Fuel Injector, Precision Airmotive Corp.S.B. PRS-103, "RSA-10 Fuel Diaphragm Assembly Part number 2541803" (Refer to Supplement No. 2 to S.B. 532)                                 |
| S.B. 557   | Fuel Injector, Precision Airmotive Corp.S.B. PRS-105, "Servo Metered Fuel Pressure Port Leakage"                                                                                   |
| S.B. 581A* | Fuel Injector, Precision Airmotive Corp. Service Bulletin Nos. PRS-107, Rev. 1 and PEX-1, "Hex Plug 383493 Coming Loose from Regulator Cover" (A.D. #2009-02-03)                   |
| S.I. 1494  | Fuel Injector, Precision Airmotive Service Information Letter No. SIL RS-45, "Rework Instructions for RSA-5AD1 Fuel Injection Servo Installed on Slingsby T-3A"                    |
| S.I. 1518  | Fuel Injector, Precision Airmotive Corp. Service Information Letter No. SIL RS-84, "Flow Divider Cold Weather Operation"                                                           |
| S.I. 1519A | Fuel Injector, Precision Airmotive Corp. Service Information Letter No. SIL RS-87, "New Regulator Plug Gasket and Increased Torque for All RSA-5 and RSA-10 Fuel Injection Servos" |
| S.I. 1069A | Fuel Injector, Simmonds Model No. 580, "Procedure for Inspection & Adjustment to Regulate Fuel Flow"                                                                               |
| S.I. 1378  | Fuel Inj. And Carb., Overheating, Bendix Fuel Injector Bulletin No. SSB-317, "Preheating Procedures"                                                                               |
| S.I. 1532N | Fuel Injectors, Fuel Manifold Assemblies, and Fuel Nozzle Assemblies, Approved                                                                                                     |
| S.L. L242  | Fuel Injectors, Improved Lower Idle Valve                                                                                                                                          |
| S.L. L279A | Fuel Injectors, Lycoming Model Designation for                                                                                                                                     |
| S.I. 1582A | Fuel Injector Replacement                                                                                                                                                          |
| S.L. L150T | Fuel Injectors, Simmonds, Reconditioned                                                                                                                                            |
| S.B. 342G* | Fuel Line and Support Clamp Insp. And Installation (A.D. #2015-19-07) (Refer to Supplements No. 1, No. 2, No. 3, No. 6, and No. 7 to S.B. 342G)                                    |
| S.B. 421*  | Fuel Line Between Fuel Pump and Fuel Injector (IO-540-G1B5, -K1F5, -P1A5, -S1A5) (A.D. #78-23-08)                                                                                  |
| S.I. 1079B | Fuel Line Filters, Servo, Periodic Maintenance                                                                                                                                     |
| S.B. 626A  | Fuel Manifold (Lycoming), Flow Divider AVStar Inspection                                                                                                                           |
| S.I. 1532N | Fuel Manifold Assemblies, Fuel Nozzle Assemblies, and Fuel Injectors, Approved                                                                                                     |
| S.I. 1489C | Fuel Manifold Spring Change                                                                                                                                                        |
| S.I. 1539  | Fuel Manifold Spring Change                                                                                                                                                        |
| S.I. 1431  | Fuel Metering and Turbocharger Linkage Adjustments (Refer to Supplement No. 2 to S.I. 1431)                                                                                        |
| S.I. 1484C | Fuel Metering Device, Installation Torque, Carburetor or Fuel Injector Servo Unit Hold Down Nuts                                                                                   |
| S.I. 1094D | Fuel Mixture Leaning Procedure                                                                                                                                                     |
| S.I. 1532N | Fuel Nozzle Assemblies, Fuel Injectors, and fuel Manifold Assemblies, Approved                                                                                                     |
| S.I. 1446* | Fuel Pump (AN), Possible Ruptured Pressure Regulator Diaphragm (A.D. #91-08-07)                                                                                                    |
| S.L. L218  | Fuel Pump Adapters                                                                                                                                                                 |
| S.B. 599   | Fuel Pump 201F Inspection and Recall, Compliance with Hartzell Engine Technologies Service Bulletin No. 045                                                                        |
| S.L. L255A | Fuel Pump Diaphragm Type, Approved                                                                                                                                                 |
| S.I. 1420A | Fuel Pump Drive Spline Lubrication                                                                                                                                                 |
| S.B. 374   | Fuel Pump Inlet Inspection                                                                                                                                                         |
| S.B. 406A  | Fuel Pump Inspection, Titan                                                                                                                                                        |
| S.I. 1309  | Fuel Pump Modification, Titan                                                                                                                                                      |
| S.I. 1549  | Fuel Pump Plunger P/N 23D26777, Notification of Approved                                                                                                                           |
| S.B. 621B  | Fuel Pump Replacement, Diaphragm-Type                                                                                                                                              |
| S.B. 497*  | Fuel Pump Vent Fittings, New, Restricted, Installations in AN Drive (A.D. #91-08-07)                                                                                               |
| S.B. 494*  | Fuel Pump Vent Fittings, Restricted, Installation of (A.D. #91-08-07)                                                                                                              |
| S.B. 487*  | Fuel Pump Vent Restriction (A.D. #89-15-10)                                                                                                                                        |
| S.B. 525A* | Fuel Pump, Inspection of High Pressure, P/N LW-15473 (A.D. #96-23-03)                                                                                                              |
| S.B. 548A  | Fuel Pump, Inspection/Replacement, Diaphragm Type                                                                                                                                  |
| S.B. 565   | Fuel Pump, Inspection/Replacement, Diaphragm Type                                                                                                                                  |
| S.B. 563   | Fuel Pump, Kelly Aerospace Power Systems Mandatory S.B. MRB No. 113, "Inspection and Factory Repair of the KAPS 200F Series Fuel Pumps"                                            |
| S.B.590A   | Fuel Pump, Use of Aircraft Boost Pump with Kelly Aerospace 200F Series                                                                                                             |
| S.B. 624   | Fuel Pump, Reprint of Hartzell SB-065, Valve Housing Cap Screw Replacement                                                                                                         |
| S.B. 496   | Fuel Pump, Lear RomecS.B. 101SB019, "Relief of Valve Diaphragm Replacement"                                                                                                        |
| S.B. 529B* | Fuel Pump, Lear RomecS.B. 101SB020, "Torquing of Relief Valve Cover Screws" (A.D. #2003-14-03)                                                                                     |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 500A   | Fuel Pump, Lear RomecS.B. 3402, "Rotary Fuel Pump – Non-Conforming Regulating Valve Diaphragm"                                                         |
| S.B. 506    | Fuel Pump, Lear RomecS.B. 3403, "Rotary Fuel Pump – Replacement of Regulator Valve Diaphragm"                                                          |
| S.B. 539A   | Fuel Pump, Lear Romec Service Bulletins No. RG9080-73-001, No. RG9570-73-001, and No. RG17980-73-001, "Replacement of Valve Housing and Related Seals" |
| S.I. 1110C  | Fuel Pumps, AC, Replacement                                                                                                                            |
| S.I. 1559   | Fuel Pumps, Adjusting Fuel Pressure on AN-Drive Type                                                                                                   |
| S.I. 1533E  | Fuel Pumps, Approved Rotary Vein                                                                                                                       |
| S.B. 398B*  | Fuel, Recommendations Regarding Use of Incorrect                                                                                                       |
| S.B. 596    | Fuel Servo, AVStar Mandatory Service Bulletin AFS-SB6                                                                                                  |
| S.L. L253C  | Fuel System AVStar Warranty repair of                                                                                                                  |
| S.I. 1070AB | Fuels, Specified                                                                                                                                       |
| S.L. L282   | Fuel Testing, Australian                                                                                                                               |
| S.B. 362A   | Fuel Vent Line Check Valve Installation                                                                                                                |
| S.I. 1062   | Fuel Vent Return, T Fitting, Maintenance Procedures                                                                                                    |
| S.B. 407A*  | Gage Assys., Oil Level (A.D. #77-07-07)                                                                                                                |
| S.I. 1379   | Gage Kit, Oil Level                                                                                                                                    |
| S.I. 1288   | Gage, Oil Level, Modification of                                                                                                                       |
| S.B. 451    | Gage, Oil Level, Rework or Replacement                                                                                                                 |
| S.B. 439A   | Galling, Inspection of Connecting Rod for                                                                                                              |
| S.B. 307    | Gasket , AC Oil Filter Adapter Replacement of (A.D. 66-20-04)                                                                                          |
| S.I. 1453B* | Gasket, Oil Filter Converter Plate, Replacement of (A.D. #2002-12-07)                                                                                  |
| S.B. 543C*  | Gasket, Oil Filter Converter Plate, Replacement (A.D. #2002-12-07) (Refer to Supplement No. 1 of S.B. 543C)                                            |
| S.I. 1204D  | Gaskets, Exhaust Flange                                                                                                                                |
| S.L. L272A  | Gaskets, Release of New Silicone Rocker Cover                                                                                                          |
| S.I. 1016C  | Gear and Camshaft Replacement                                                                                                                          |
| S.I. 1439   | Gear Assembly and Camshaft, New Integral, Installation (Refer to Supplement No. 1 to S.I. 1439)                                                        |
| S.B. 475C*  | Gear Assembly Procedures and Modification, Crankshaft (A.D. #2004-10-14) (Refer to Supplement No. 1 to S.B. 475C)                                      |
| S.B. 319B*  | Gear Assy., Inspection, Reduction (A.D. #69-25-08)                                                                                                     |
| S.I. 1076   | Gear Assys., Bevel, Pitch Alignment and Backlash                                                                                                       |
| S.I. 1196   | Gear Attaching Studs, Reduction, Replacement                                                                                                           |
| S.I. 1386A  | Gear Bushing, Magneto Drive, Replacement of Damaged or Worn                                                                                            |
| S.I. 1159   | Gear Housing Interference, Reduction, Crankcase Modification to Prevent                                                                                |
| S.B. 178A   | Gear Housing Sleeve, Repair of Worn Reduction                                                                                                          |
| S.B. 475C*  | Gear Modification and Assembly Procedures, Crankshaft (A.D. #2004-10-14) (Refer to Supplement No. 1 to S.B. 475C)                                      |
| S.I. 1236A  | Gear Pinion Cages, Reduction, Repair Procedure for Worn (Refer to Supplement No. 1 to S.I. 1236A)                                                      |
| S.I. 1331A  | Gear Replacement, Crankshaft – TIO & TIGO-540 Series                                                                                                   |
| S.I. 1417   | Gear Shaft Bore Repair, Crankcase                                                                                                                      |
| S.I. 1197A  | Gear Shaft Recesses, Idler, Repair                                                                                                                     |
| S.B. 486    | Gear Support Assemblies, Inspection of Single Belt Driven Starter Ring                                                                                 |
| S.B. 554*   | Gear, Crankshaft Retaining Bolt Replacement (Refer to Supplement No. 3, No. 4, and No. 5 to S.B. 554) (A.D. #2004-05-24)                               |
| S.I. 1351   | Gear, Drive, and Drive Shaft, Accessory                                                                                                                |
| S.I. 1387   | Gear, Governor Drive, Replacement of                                                                                                                   |
| S.I. 1360   | Gear, Magneto Drive                                                                                                                                    |
| S.I. 1356   | Gear, Reduction, Oversize Thrust Bearing for                                                                                                           |
| S.L. L233   | Gear, Ring, Support Assys., Better Identification of Reverse Rotation                                                                                  |
| S.I. 1118A  | Gear, Starter Drive, Replacement                                                                                                                       |
| S.I. 1121   | Gears, Ring, Identification                                                                                                                            |
| S.I. 1141A  | Gears, Starter Ring, Replacement of Worn                                                                                                               |
| S.I. 1170   | Generator Mounting Bolt Replacement                                                                                                                    |
| S.I. 1129D  | Generator, DC, Methods of Checking, and Alternator Belt Tension                                                                                        |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

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| S.I. 1105B | Generator/Alternator Mounting Brackets, Periodic Inspection                                                                     |
| S.I. 1154W | Generators, FAA Approved                                                                                                        |
| S.B. 633   | Gipps TIO-540-AH1A Oil Level Gage                                                                                               |
| S.B. 246   | GO-435-C2B and -C2B2 Conversion to GO-435-C2B-6 and -C2B2-6                                                                     |
| S.I. 1177B | Governor Drive Gearing Repair in Crankcase                                                                                      |
| S.I. 1387  | Governor Drive Gear, Replacement of                                                                                             |
| S.B. 488A* | Governor Line Support, Propeller (Refer to Supplement No. 1 to S.B. 488A) (A.D. #90-04-06)                                      |
| S.I. 1438A | Governor Pad Plate, Propeller, P/N LW-12347                                                                                     |
| S.B. 364A* | Grommet, Magneto Replacement (A.D. #73-15-04)                                                                                   |
| S.I. 1498B | Ground Operations, Recommended Engine Procedures for Purging Vapor During                                                       |
| S.I. 1266  | Ground Strap, Alternator – All Engines with Prestolite                                                                          |
| S.I. 1342  | Guide Clearance, Exhaust Valve, Increased                                                                                       |
| S.B. 503   | Guide Replacement, Exhaust Valve on TIO-540-AF1A Engines                                                                        |
| S.I. 1116C | Guide, Exhaust Valve Clearance Modification                                                                                     |
| S.I. 1485A | Guide, Exhaust Valve Identification Procedure                                                                                   |
| S.I. 1479A | Guide, Exhaust Valve Kit, Oil Cooled, TIO-540-AF1A                                                                              |
| S.I. 1200A | Guide, Exhaust Valve, Honing During Replacement                                                                                 |
| S.B. 388C  | Guide, Exhaust Valve, Procedure to Determine Condition                                                                          |
| S.I. 1136A | Guides, Ni-Resist, in Parallel Valve Cylinders (Refer to Supplement No. 1 to S.I. 1136A)                                        |
| S.I. 1256F | Guides, Valve, for Service Use                                                                                                  |
| S.B. 490A  | Guides, Valve, Installation of Intake and Exhaust                                                                               |
| S.I. 1362  | Hard Starting                                                                                                                   |
| S.B. 619   | Hardness Check for Rocker Arm, Part Number LW-15014                                                                             |
| S.I. 1419  | Harness, Magneto Wiring, Modification of                                                                                        |
| S.B. 604   | Hartzell Alert Service Bulletin No. 048, Turbocharger Model TAO411, P/N 410188-0019 Turbine Wheel Replacement (A.D. 2012-24-09) |
| S.B. 613   | Hartzell Alert Service Bulletin No. 057, Turbocharger Back Plate Assembly P/N 406795-0058 Replacement                           |
| S.L. L235A | Hartzell Compact Propeller, Aluminum Hub, Installation on Comanche 250 Aircraft                                                 |
| S.B. 608   | Hartzell Engine Technologies Fuel Pump Assembly Replacement (Refer to Supplement No. 1 to S.B. 608)                             |
| S.B. 628A  | Hartzell Engine Technologies' (HET) Alert Service Bulletin (ASB) 076, Reprint of                                                |
| S.B. 624   | Hartzell SB-065, Fuel Pump, Valve Housing Cap Screw Replacement                                                                 |
| S.B. 594   | Hartzell Mandatory Service Bulletin 040A, Reprint                                                                               |
| S.I. 1227  | Hartzell Propeller Letter No. 17, "Oil Leakage"                                                                                 |
| S.B. 623   | Hartzell Service Bulletin SB-062, Alternator P/N LW-14326 or LW-14338, Reprint                                                  |
| S.L. L277  | Hartzell Engine Technologies and Lycoming Engines Alternator Distribution Agreement                                             |
| S.I. 1546  | Hartzell Engine Technologies, LLC, Specific Requirements for Installation and Removal of Electrical Leads on Starters           |
| S.I. 1148C | Heat Control, Use of Carburetor                                                                                                 |
| S.I. 1448  | Heat Muffler Covers, Installation of Tailpipes and (Refer to Supplement No. 2 to S.I. 1448)                                     |
| S.I. 1043A | Heli-Coil Insert Replacement, Spark Plug                                                                                        |
| S.B. 387   | Heli-Coil Installation in Induction Housing                                                                                     |
| S.L. L162B | Heli-Coil Service Repair Kit                                                                                                    |
| S.B. 653   | Hartzell Engine Tech (HET) Alert Service Bulletin (ASB) No. 098                                                                 |
| S.I. 1291  | High Altitude Operation, Ignition System for                                                                                    |
| S.B. 404   | High Lead Fuel Operation, Exhaust Valve, Inspection                                                                             |
| S.I. 1432A | High-Crush, Thin-Wall Rear Main Bearings, Installation of in Crankcases without Retention Dowels                                |
| S.I. 1323A | High-Tensile Strength Bolts, Connecting Rod with                                                                                |
| S.I. 1469  | High-Tensile Strength Bolts, Connecting Rod with                                                                                |
| S.L. L185B | Higher Octane Aviation Fuel, Use of 100LL for Engines Rated 80/87 Octane                                                        |
| S.I. 1484C | Hold Down Nuts, Carburetor or Fuel Injector Servo Unit, Installation Torque for Fuel Metering Device                            |
| S.I. 1228A | Hold-Down Plates, Cylinder, Modification of                                                                                     |
| S.I. 1257G | Horsepower, Manifold Pressure and RPM Values                                                                                    |
| S.B. 509   | Hose Assemblies, 601, Aeroquip S.B. AA135                                                                                       |

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| S.I. 1361       | Hose Clamps, T-Bolt                                                                                                       |
| S.I. 1464       | Hose Line Problems, Aeroquip S.B. AA91                                                                                    |
| S.I. 1274B      | Hoses, Fuel and Oil, Silicone Coated, Service Replacement                                                                 |
| S.L. L278       | Hours, Lycoming Engines' Product Support                                                                                  |
| S.I. 1234       | Housing Assy., Induction, Tightening Procedure                                                                            |
| S.B. 417A       | Housing, Air Inlet                                                                                                        |
| S.I. 1396       | Housing, Induction Air, Redesigned                                                                                        |
| S.I. 1171       | Housings, Accessory, and Covers, Salvage of                                                                               |
| S.I. 1286B      | Housings, Stainless Steel, TE0659 Turbochargers with                                                                      |
| S.L. L271       | How to Access Lycoming Digital Technical Publications                                                                     |
| S.I. 1011N*     | Hydraulic Lifter Assy., Plunger Assys., Tappet Bodies: Table of Current (A.D. #62-03-02)                                  |
| S.I. 1352A      | Hydraulic Lifter Body Disassembly                                                                                         |
| S.I. 1406E*     | Hydraulic Lifters, Crankcase Parts for Use with Large Diameter (A.D. #80-04-03)                                           |
| S.I. 1402       | Hydraulic Lifters, Redesigned                                                                                             |
| S.I. 1338       | Hydraulic Pump Drive Shaft Modification                                                                                   |
| S.B. 238        | Hydraulic Tappet Plunger Assy., Magnetized Condition                                                                      |
| S.B. 424*       | Hydraulic Tappet Replacement (A.D. #77-20-07)                                                                             |
| S.I. 1424A      | Hydraulic Tappet/Plunger Assy., P/N 78290, Installation Procedure                                                         |
| S.B. 632B*      | Identification of Connecting Rods with Non-Conforming Small End Bushings                                                  |
| S.I. 1390       | Idle Tube, Carburetor, Replacement                                                                                        |
| S.L. L242       | Idle Valve, Improved Lower in Fuel Injectors                                                                              |
| S.I. 1197A      | Idler Gear Shaft Recesses, Repair                                                                                         |
| S.B. 572        | Idler Shaft Location, Missing Oil Passage Hole                                                                            |
| S.I. 1341*      | Idler Shaft Lubrication, Oil Pump (A.D. #96-09-10)                                                                        |
| S.I. 1343C*     | Idler Shaft, Propeller Governor, Set Screw for (A.D. #2015-02-07)                                                         |
| S.I. 1310A      | Idler Shafts, Lockwire for                                                                                                |
| S.I. 1294       | Ignition Cable Routing, Alternate                                                                                         |
| S.L. L222       | Ignition Components, Teledyne Continental Motors, Warranty Repair                                                         |
| S.B. 595        | Ignition Harness Attachment Plate, Torque Values for Screws that Attach, S-20 and S-200 Series TCM Magnetos)              |
| S.I. 1365       | Ignition Harness Spark Plug Ends, Bendix Electrical Bulletin No. 597, "Cleaning of"                                       |
| S.I. 1314       | Ignition Leads (Slick) Furnished on Bendix Magnetos, Replacement                                                          |
| S.I. 1375       | Ignition Noise, Bendix Electrical Components Bulletin No. 603                                                             |
| S.L. L283       | Ignition System, Alternate                                                                                                |
| S.I. 1291       | Ignition System for High Altitude Operation                                                                               |
| S.B. 357        | Immersion, Engine Inspection in Event of                                                                                  |
| S.I. 1032H      | Impeller Assys., Supercharger, Parts Replacement and Dynamic Balance                                                      |
| S.B. 423*       | Impeller Replacement and Oil Pump Inspection (A.D. #78-12-08)                                                             |
| S.I. 1230B      | Impellers, Oil Pump                                                                                                       |
| S.I. 1434       | Impellers, Oil Pump, Improved                                                                                             |
| S.B. 524*       | Impellers, Replacement of Aluminum and Sintered Iron (Refer to Supplement No. 1 to S.B. 524) (A.D. #96-09-10)             |
| S.L. 287        | Improved Manifold Pressure Stability, Increased Fuel Economy and                                                          |
| S.B. 526        | Impulse Coupling Springs or Impulse Coupling Assembly on TCM (Bendix) D-2000 or D-3000 Impulse Dual Magnetos, Replacement |
| S.I. 1495       | Impulse Coupling Magneto, Replacement of                                                                                  |
| S.I. 1189       | Impulse Coupling Magneto, Slick Malfunction                                                                               |
| S.I. 1506A      | Impulse Coupling Magnetos, Replacement on 4-Cylinder Engines                                                              |
| S.B. 647        | Incorrect Markings on Service Tool# ST-310                                                                                |
| S.B. 642A       | Incorrect Piston and Ring Combination                                                                                     |
| S.L. 287        | Increased Fuel Economy and Improved Manifold Pressure Stability                                                           |
| S.I. 1396       | Induction Air Housing, Redesigned                                                                                         |
| S.I. 1234       | Induction Housing Assy., Tightening Procedures                                                                            |
| S.B. 387        | Induction Housing, Heli-Coil Installation                                                                                 |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1571  | Induction Housing on TIO-540-AJ1A and IO-540- AC1A5, Lockplate installation for                                                                       |
| S.L. L204  | Injection Conversion Kit P/N LW-18866, Fuel                                                                                                           |
| S.I. 1407  | Injection Pumps, Simmonds Precision Bulletin No. V-1164, "Periodic Inspection & Overhaul"                                                             |
| S.I. 1301B | Injector Lines, Fuel, Identification                                                                                                                  |
| S.I. 1275C | Injector Nozzles, Fuel, Cleaning                                                                                                                      |
| S.I. 1491  | Injector, Fuel, Check                                                                                                                                 |
| S.B. 421*  | Injector, Fuel Line Between Fuel Pump and Fuel (A.D. #78-23-08)                                                                                       |
| S.I. 1582A | Injector Replacement, Fuel                                                                                                                            |
| S.I. 1329A | Inlet Adapter Seals, Supercharger                                                                                                                     |
| S.I. 1300  | Inlet Oil Pressure, Increased Turbocharger                                                                                                            |
| S.B. 342G* | Inspection and Installation, Fuel Line and Support Clamp (A.D. #2015-19-07) (Refer to Supplements No. 1, No. 2, No. 3, No. 6, and No. 7 to S.B. 342G) |
| S.B. 599   | Inspection and Recall, 201F Fuel Pump, Hartzell Engine Technologies Service Bulletin No. 045.                                                         |
| S.B. 522*  | Inspection and Replacement of Push Rod P/N 73806 (A.D. #95-03-10)                                                                                     |
| S.B. 534   | Inspection and Replacement of Turbocharger Oil Drain Tank                                                                                             |
| S.B. 477A* | Inspection and Rework of P/N LW-18790 Rocker Arm Assy. (Refer to Supplement No. 1 to S.B. 477A) (A.D. #87-10-06)                                      |
| S.B. 651   | Inspection for Rotator Caps on Intake Valves                                                                                                          |
| S.B. 505B* | Inspection of Crankshaft ID for Corrosion                                                                                                             |
| S.B. 592   | Inspection of Engine after Overboost                                                                                                                  |
| S.B. 369S  | Inspection of Engine after Overspeed                                                                                                                  |
| S.I. 1530  | Inspection, Engine in Particulate-Laden Environments                                                                                                  |
| S.B. 521   | Inspection of Exhaust System Slip Joints for Proper Engagement and Inspection of Marmon Flange Joint at Transition Inlet                              |
| S.B. 525A* | Inspection of High Pressure Fuel Pump, P/N LW-15473 (A.D. #96-23-03)                                                                                  |
| S.B. 558   | Inspection of Oil Suction Screen Area for Casting Voids                                                                                               |
| S.I. 1511A | Inspection of "PID" Stamped Crankshafts                                                                                                               |
| S.B. 479   | Inspection of P/N 77429 Right Intermediate Exhaust Pipe and Exhaust Slip Joint Modification                                                           |
| S.B. 639   | Inspection of Rocker Arm, Part Number LW-15014                                                                                                        |
| S.B. 486   | Inspection of Single Belt Driven Starter Ring Gear Support Assemblies                                                                                 |
| S.B. 564A  | Inspection of Suction Screen Length                                                                                                                   |
| S.B. 531C  | Inspection of Turbochargers and Tailpipes on TIO-540-AE2A Model Engines                                                                               |
| S.B. 518D  | Inspection of Thermostatic Bypass Valves                                                                                                              |
| S.B. 484*  | Inspection, Alignment and Modification of Crossover Exhaust Assembly (A.D. #89-12-04)                                                                 |
| S.I. 1535  | Inspection, Counterweight and Roller, Removal and Installation (Refer to Supplement. No. 1 to S.I. 1535)                                              |
| S.B. 643   | Inspection, Crankcase Nut Safety Wire                                                                                                                 |
| S.B. 549   | Inspection, Crankshaft/Engine (Refer to Supplement No. 1 to S.B. 549)                                                                                 |
| S.B. 553*  | Inspection, Crankshaft for Lycoming Six Cylinder Turbocharged Engines (Refer to Supplement No. 1 to S.B. 553) (A.D. #2002-19-03)                      |
| S.B. 627E* | Inspection, Exhaust System TIO-540-AJ1A (A.D. #62-03-02)                                                                                              |
| S. B. 593B | Inspection, Intake Valve Date Stamp                                                                                                                   |
| S.B. 555A  | Inspection, Oil Pump Body Plug                                                                                                                        |
| S.I. 1492D | Inspection, Piston Pin Plug Wear                                                                                                                      |
| S.I. 1504  | Inspection/Replacement of Cylinder Assembly on O-235 Engines                                                                                          |
| S.B. 548A  | Inspection/Replacement of Diaphragm-Type Fuel Pump                                                                                                    |
| S.B. 565   | Inspection/Replacement of Diaphragm-Type Fuel Pump                                                                                                    |
| S.I. 1143C | Inspection, Replacement, and Special Tooling Upgrades, Counterweight Bushing                                                                          |
| S.B. 406A  | Inspection, Titan Fuel Pump                                                                                                                           |
| S.B. 540   | Inspection, Valve Seat                                                                                                                                |
| S.I. 1535  | Installation, Counterweight and Roller, Removal and Inspection Refer to Supplement No. 1 to S.I.1535)                                                 |
| S.I. 1546  | Installation and Removal of Electrical Lead on Hartzell Engine Technologies, LLC Starters, Specific Requirements for                                  |
| S.B. 649   | Installation of Correct Electronic Ignition System (EIS)                                                                                              |
| S.I. 1569B | Installation, Operation, and Maintenance of Lycoming Electronic Ignition System (EIS)                                                                 |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1216  | Intake Pipe and Seal Replacement                                                                                                               |
| S.I. 1168B | Intake Pipe Bores, Repair, Oil Sump                                                                                                            |
| S.I. 1355  | Intake Pipe Extensions and Clamps                                                                                                              |
| S.I. 1173  | Intake Pipe Mounting Stud Replacement                                                                                                          |
| S.B. 490A  | Intake Valve Guides, and Exhaust, Installation of                                                                                              |
| S.I. 1577A | Intake Valve In-Service Data                                                                                                                   |
| S.B. 593B  | Intake Valve Inspection for Date Stamp                                                                                                         |
| S.L. L181  | Intake Valve Replacement (See Service Instruction Nos. 1280D, 1262A & 1302A)                                                                   |
| S.I. 1302A | Intake Valve, Rotator, with Small Diameter Head                                                                                                |
| S.B. 651   | Intake Valves, Inspection for Rotator Caps on                                                                                                  |
| S.B. 502   | Intake Valves, P/N LW-13262, Replacement, Etched with Date Code K-L                                                                            |
| S.I. 1280D | Intake Valves, Rotator Type                                                                                                                    |
| S.I. 1262A | Intake Valves, Small Head, and Venturi Seats                                                                                                   |
| S.I. 1439  | Integral Camshaft and Gear Assembly, Installation of New (Refer to Supplement No. 1 to S.I. 1439)                                              |
| S.L. L249  | Interim Alternative to Address the Discontinuation of Teledyne Dual Magnetos                                                                   |
| S.I. 1502A | Inverted Flow Divider, Installation of                                                                                                         |
| S.I. 1570  | Inverted Oil System, Alternate Oil Sump Fitting Configuration for Aerobatic                                                                    |
| S.I. 1397A | Inverted Oil System, Overflow Oil from Breather Fitting                                                                                        |
| S.I. 1572  | IO-360-B4A, Plug Replacement of Vapor Return Fitting on Piper installation of                                                                  |
| S.B. 380A  | IO-360-C Timing Change                                                                                                                         |
| S.I. 1263B | IO-360 Series Engines, Redesigned Camshaft                                                                                                     |
| S.I. 1325A | IO-360 Series Engines, Timing Change                                                                                                           |
| S.I. 1571  | IO-540- AC1A5, Lockplate installation for Induction Housing on TIO-540-AJ1A and                                                                |
| S.I. 1205  | Journal Diameters, Standards for Crankshaft                                                                                                    |
| S.I. 1531  | Kelly Aerospace E-drive Starters, Alternator Bracket for Engines Equipped with                                                                 |
| S.B. 591A  | Kelly Aerospace Energy Systems Mandatory S.B. 039, "Turbine Wheel Replacement"                                                                 |
| S.B. 563   | Kelly Aerospace Power Systems Mandatory S.B. MSB No. 113, "Inspection and Factory Repair of the KAPS 200F Series Fuel Pump"                    |
| S.B. 580*  | Kelly Aerospace Power Systems Bulletin No. 029, "Turbocharger Exhaust Flange Inspection and/or Turbine Housing Replacement" (A.D. #2008-08-17) |
| S.B. 559   | Kelly Aerospace Power Systems S.B. 112, Rev. A, "Recall of Starters Due to Potential Failure of the Drive Gear Assembly"                       |
| S.I. 1515  | Kelly Aerospace Power Systems Service Information Letter No A-115, "Recommended Service/Inspection for Alternator Series ALE, ALU, ALY, ALX"   |
| S.B. 545A  | Kit Installation Modifications                                                                                                                 |
| S.B. 411D  | Kit, Adapter, for Magneto Isolation Drive                                                                                                      |
| S.I. 1436A | Kit, Adapter, for Magneto Isolation Drive                                                                                                      |
| S.I. 1510A | Kit, Adapter, for Magneto Isolation Drive                                                                                                      |
| S.I. 1393  | Kit, Carburetor Modification                                                                                                                   |
| S.B. 499C* | Kit, Exhaust Pipe, One-Piece, Installation (A.D. #91-21-01)                                                                                    |
| S.L. L162B | Kit, Heli-Coil Service Repair                                                                                                                  |
| S.I. 1479A | Kit, Oil Cooled Exhaust Valve Guide, TIO-540-AF1A                                                                                              |
| S.I. 1455  | Kit, P/N 05K21433, Fuel Injection Manifold, Installation                                                                                       |
| S.B. 520   | Kits, Cylinder P/N 05K21108, P/N 05K21118 and P/N 05K21104, Shipped with Incorrect Piston                                                      |
| S.B. 578   | Kits, Cylinder, Shipped with Incorrect Cylinder Assemblies                                                                                     |
| S.B. 371B* | Kits, New Rods with High Crush Bearings, Connecting Rod Assys. (A.D. #73-05-01)                                                                |
| S.I. 1513  | Lamar Service Information Letter No. LSI-009, "Lamar Starter, P/N 2401 (Lycoming P/N 31B22207) Installed on Cessna 172 and 182 Aircraft        |
| S.I. 1314  | Leads, Ignition (Slick) Furnished on Bendix Magnetos, Replacement                                                                              |
| S.I. 1483A | Leak Check, Valve (Field Procedure)                                                                                                            |
| S.I. 1462A | Leak Test Procedure, Propeller Oil Control                                                                                                     |
| S.I. 1094D | Leaning Procedures, Fuel Mixture                                                                                                               |
| S.B. 496   | Lear Romec S.B. 101SB019, Fuel Pump, "Relief Valve Diaphragm Replacement"                                                                      |
| S.B. 529B* | Lear Romec S.B. 101SB020, Fuel Pump, (Torquing of Relief Valve Cover Screws" (A.D. #2003-14-03)                                                |



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\* - Lycoming Service Document referenced in Airworthiness Directives.

| <b>Pub. No.</b> | <b>Title</b>                                                                                                                                           |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 500A       | Lear Romec S.B. 3402, Fuel Pump, "Rotary Fuel Pump – Non-Conforming Regulating Valve Diaphragm"                                                        |
| S.B. 506        | Lear Romec S.B. 3403, Fuel Pump, "Rotary Fuel Pump – Replacement of Regulator Valve Diaphragm"                                                         |
| S.B. 539A       | Lear Romec Service Bulletins No. RG9080-73-001, No. RG9570-73-001, and No. RG17980-73-001, Fuel Pump, "Replacement of Valve Housing and Related Seals" |
| S.I. 1309       | Lear Siegler Fuel Pump Modification                                                                                                                    |
| S.I. 1379       | Level Gage Kit, Oil                                                                                                                                    |
| S.I. 1288       | Level Gage, Oil, Modification of                                                                                                                       |
| S.I. 1265A      | Lever, Serrated Throttle, and Shaft                                                                                                                    |
| S.I. 1352A      | Lifter Body Disassembly, Hydraulic                                                                                                                     |
| S.I. 1381       | Lifter, Hydraulic, and Upper Exhaust Valve Spring Seat, Replacement                                                                                    |
| S.I. 1402       | Lifter, Hydraulic, Redesigned                                                                                                                          |
| S.B. 435*       | Lifter, Hydraulic, Replacement of Upper Exhaust Valve Spring and (Refer to Supplement No. 2 to S.B. 435) (A.D. #80-04-03)                              |
| S.I. 1406E*     | Lifters, Hydraulic, Crankcase Parts for Use with Large Diameter (A.D. #80-04-03)                                                                       |
| S.I. 1011N*     | Lifters, Hydraulic, Table of Current (A.D. #62-03-02)                                                                                                  |
| S.L. L202B      | Lightning Holes, All 320, 360 and 540 Series Engines using Crankshaft with, Installed in Aircraft Used for Aerobatic Maneuvers                         |
| S.B. 401A       | Lightning Strike, Recommended Guidance After a                                                                                                         |
| S.I. 1447B      | Lightweight Starter Installation Instructions                                                                                                          |
| S.I. 1461       | Lightweight Starter P/N 31B21064 (24V) and P/N 31A21198 (12V), Improved Pinion                                                                         |
| S.B. 328        | Limited Travel Valve Lifter Replacement                                                                                                                |
| S.I. 1427C      | Limits, Oil Consumption and Engine Break-In                                                                                                            |
| S.B. 488A*      | Line Support, Propeller Governor (Refer to Supplement No. 1 to S.B. 488A) (A.D. #90-04-06)                                                             |
| S.I. 1211D      | Linkage, Controller, and Fuel Injector Setting                                                                                                         |
| S.I. 1431       | Linkage, Turbocharger, and Fuel Metering Adjustments (Refer to Supplement No. 2 to S.I. 1431)                                                          |
| S.I. 1571       | Lockplate installation for Induction Housing on TIO-540-AJ1A and IO-540- AC1A5                                                                         |
| S.L. L147B      | Lubricant, Anderol 471 All-Climate Synthetic Aircraft                                                                                                  |
| S.L. L183       | Lubricants, Spin-On Filter                                                                                                                             |
| S.B. 318B       | Lubricating Oil Limitations                                                                                                                            |
| S.L. L203       | Lubricating Oil Recommendations                                                                                                                        |
| S.I. 1014N      | Lubricating Oil Recommendations                                                                                                                        |
| S.I. 1392       | Lubricating Oil Recommendations and Cold Weather Operation                                                                                             |
| S.B. 399A       | Lubricating Oil, Safe Quantity                                                                                                                         |
| S.L. L229B      | Lubricating Oil, Use of Mobil AV 1 Synthetic, in Textron Lycoming Reciprocating Engines, Discontinuance                                                |
| S.I. 1292A      | Lubrication and Stainless Steel Thrust Bearing Modifications                                                                                           |
| S.B. 403        | Lubrication Requirements, Aerobatic Engines                                                                                                            |
| S.I. 1420A      | Lubrication, Fuel Pump Drive Shaft                                                                                                                     |
| S.I. 1250       | Lubrication, Propeller Shaft Bearing                                                                                                                   |
| S.I. 1278       | Lubrication, Starter Drive                                                                                                                             |
| S.B. 639        | LW-15014, Inspection of Rocker Arm, Part Number                                                                                                        |
| S.L. L240A      | Lycoming, Part Numbers Identified by -70 or -85 Suffix                                                                                                 |
| S.I. 1566       | Lycoming Engines Approves the Use of Safety Cable                                                                                                      |
| S.L. L277       | Lycoming Engines Alternator Distribution Agreement, Hartzell Engine Technologies and                                                                   |
| S.L. L278       | Lycoming Engines' Product Support Hours                                                                                                                |
| S.L. L254       | Lycoming Model Designation for all Carburetors                                                                                                         |
| S.L. L279A      | Lycoming Model Designation for Fuel Injectors                                                                                                          |
| S.I. 1573E      | Lycoming TEO-540 Engine Series Approved Engine Configurations                                                                                          |
| S.I. 1285F      | Non-Destructive Testing of Lycoming Engine Parts                                                                                                       |
| S.I. 1508C      | Magneto Attachment                                                                                                                                     |
| S.I. 1140       | Magneto Bearing Recess, Crankcase, Salvage Repair                                                                                                      |
| S.B. 365        | Magneto Conversion, Bendix, to Incorporate Flexible Drive                                                                                              |
| S.I. 1264       | Magneto Cover, Addition of Moisture Drains                                                                                                             |
| S.I. 1158       | Magneto Drive Adapter Replacement                                                                                                                      |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1360  | Magneto Drive Gear                                                                                                                           |
| S.I. 1299B | Magneto Drive Gear and Cushion Modification                                                                                                  |
| S.I. 1386A | Magneto Drive Gear Bushing, Replacement of Damaged or Worn                                                                                   |
| S.B. 311   | Magneto Drive Gears, Inspection and Replacement                                                                                              |
| S.I. 1132B | Magneto Drop-Off                                                                                                                             |
| S.B. 364A* | Magneto Grommet Replacement (A.D. #73-15-04)                                                                                                 |
| S.I. 1252C | Magneto Installation, Bendix –1200 Series                                                                                                    |
| S.B. 411D  | Magneto Isolation Drive, Adapter Kit                                                                                                         |
| S.I. 1436A | Magneto Isolation Drive, Adapter Kit                                                                                                         |
| S.I. 1510A | Magneto Isolation Drive, Adapter Kit for                                                                                                     |
| S.I. 1224  | Magneto Modification, VO-435-B1A                                                                                                             |
| S.I. 1308E | Magneto Pressure Test, Pressurized (Refer to Supplement No. 1 to S.I. 1308E)                                                                 |
| S.B. 573   | Magneto Pressure Tests, Pressurized (Refer to Supplement No. 1 to S.B. 573)                                                                  |
| S.L. L177A | Magneto Replacement Policy, Slick Electro                                                                                                    |
| S.I. 1208  | Magneto Shaft Bore Bushings, Installation of                                                                                                 |
| S.B. 380A  | Magneto Timing Change, IO-360-C Engines                                                                                                      |
| S.B. 183A  | Magneto Timing Discrepancies                                                                                                                 |
| S.I. 1419  | Magneto Wiring Harness, Modification of                                                                                                      |
| S.B. 340   | Magneto, Bendix Bulletin No. 530A, “Securing Coil Clamp”                                                                                     |
| S.I. 1260  | Magneto, Bendix Bulletin No. 533A, “Acceptable Stress Relief Fissures, Flow Lines and Cracks”                                                |
| S.I. 1226  | Magneto, Bendix Bulletin No. 545, “Tubing for S-1200 Cover Hold Down Screw”                                                                  |
| S.B. 341   | Magneto, Bendix Bulletin No. 549, “Locating Shoulder for Carbon Brush Spring”                                                                |
| S.B. 343B  | Magneto, Bendix Bulletin No. 551A, “New Distributor Block Lubricant”                                                                         |
| S.B. 376*  | Magneto, Bendix Bulletin No. 556B, “Magneto Drive Shaft Bushing Change” (A.D. #74-26-09)                                                     |
| S.I. 1282  | Magneto, Bendix Bulletin No. 560, “Replacement of Transformer Coils & Rotating Magnets”                                                      |
| S.B. 373   | Magneto, Bendix Bulletin No. 566, “S-1200 Distributor Block and Gear Change” (Refer to Supplement No. 1 to S.B. 373)                         |
| S.I. 1332  | Magneto, Bendix Bulletin No. 573, “Green Block Distributor”                                                                                  |
| S.I. 1327  | Magneto, Bendix Bulletin No. 580, “Breaker Securing Screws”                                                                                  |
| S.B. 416A* | Magneto, Bendix Bulletin No. 584B, “Coil Retaining Devices, D2000/D2200 Mags.” (A.D. #78-18-04)                                              |
| S.B. 410*  | Magneto, Bendix Bulletin No. 587, “Inspection of D2000 Capacitors & Lead Crimp Terminals” (A.D. #78-18-04)                                   |
| S.I. 1367  | Magneto, Bendix Bulletin No. 588, “Stress Lines in Distributor Blocks”                                                                       |
| S.B. 414*  | Magneto, Bendix Bulletin No. 589, “Rear Bearing Lubrication – D2000/D2200 Mags.” (A.D. #77-17-07 references Bendix Magneto Bulletin No. 589) |
| S.B. 415A* | Magneto, Bendix Bulletin No. 590A, “Rotating Magnets to Housing Clearance – D2000/D2200 Mags.” (A.D. #78-18-04)                              |
| S.I. 1382  | Magneto, Bendix Bulletin No. 592, “Inspection of Breaker Contact Assys. And Capacitor Flag Terminal Crimps”                                  |
| S.B. 427A  | Magneto, Bendix Bulletin No. 600, “10-353110 Bearing in D2000/D2200 Mags.”                                                                   |
| S.B. 438A* | Magneto, Bendix Bulletin No. 605A, “Housing Distortion and Coil Retention” (A.D. #80-17-14)                                                  |
| S.B. 437*  | Magneto, Bendix Bulletin No. 606, “D2000/D2200 Mags. Using Green Distributor Blocks” (A.D. #79-12-07)                                        |
| S.I. 1400  | Magneto, Bendix Bulletin No. 608, “Self-Locking Cam Retaining Screws”                                                                        |
| S.B. 458   | Magneto, Bendix Bulletin No. 613, “Inspection and/or Replacement of Green Distributor Blocks”                                                |
| S.B. 461   | Magneto, Bendix Bulletin No. 617, “Replacement or Inspection of Distributor Blocks”                                                          |
| S.B. 459*  | Magneto, Bendix Bulletin No. 618, “Replacement or Inspection of Distributor Blocks” (A.D. #81-12-06)                                         |
| S.B. 460   | Magneto, Bendix Bulletin No. 619, “Replacement or Inspection of Distributor Blocks”                                                          |
| S.B. 464*  | Magneto, Bendix Bulletin No. 623A, “Inspection of Impulse Coupling Cam Assys.” (A.D. #82-20-01)                                              |
| S.L. L207  | Magneto, Bendix Bulletin No. 625, “Broken Coil Securing Clamps, P/N 10-50765”                                                                |
| S.I. 1433  | Magneto, Bendix Bulletin No. 626, “Installation of Impulse Coupling Assys.” NO LONGER CURRENT                                                |
| S.B. 469   | Magneto, Bendix Bulletin No. 627, “Distributor Block Kit P/N 10-682056 (6 Cyl.) Dual Magneto Series”                                         |
| S.B. 470   | Magneto, Bendix Bulletin No. 628, “Replacement of Impulse Coupling Main Spring P/N 10-382941”                                                |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 474   | Magneto, Bendix Bulletin No. 629, "Inspection and Replacement of Brown Magneto Blocks on Turbocharged (6 Cyl.) Engines"                                                                     |
| S.L. L249  | Magneto Dual, Interim Alternative to Address the Discontinuation of Teledyne                                                                                                                |
| S.I. 1120  | Magneto, Scintilla Bulletin No. 502, "S-700 Magnets –Internal Timing"                                                                                                                       |
| S.I. 1126  | Magneto, Scintilla Bulletin No. 503, "Lubrication of Tapered Drive on S Series Magnets" REPLACED BY TCM SB 631                                                                              |
| S.I. 1139  | Magneto, Scintilla Bulletins No. 510, "Distributor Gears – S-600 Series" and No. 511, "Replaceable Electrode – S-700 Series"                                                                |
| S.B. 568   | Magneto, Slick Aircraft Products Bulletin No. SB1-88B, "Periodic Inspection of Slick Models 6320, 6324, 6360, 6361, 6363 and 6365 Pressurized Magnets"                                      |
| S.B. 537*  | Magneto, Slick Aircraft Products Bulletin No. SB1-98, "Mandatory Impulse Coupling Inspection on Certain 6 Cylinder Textron Lycoming Engines" (A.D. #99-04-04)                               |
| S.B. 432*  | Magneto, Slick Electro Bulletin No. 1-78, "Magneto/Condenser Replacement" (A.D. #78-25-01)                                                                                                  |
| S.I. 1385  | Magneto, Slick Electro Bulletin No. 1-79, "Grounding of Non-Impulse Magnets (From 4000, 4100 to 4200 Series)"                                                                               |
| S.B. 449*  | Magneto, Slick Electro Bulletin No. 1-80, "Impulse Coupling Hubs" (A.D. #80-06-05)                                                                                                          |
| S.B. 457A  | Magneto, Slick Electro Bulletin No. 1-81, "Magneto Malfunction Due to Cracking of Coil Potting Compound"                                                                                    |
| S.B. 478A  | Magneto, Slick Electro Bulletin No. 1-86, "Impulse Coupling Inspection"                                                                                                                     |
| S.L. L173C | Magneto, Slick Electro Bulletin No. SB2-80C, "Magneto Maintenance and Overhaul Schedules"                                                                                                   |
| S.B. 468C  | Magneto, Slick Electro Bulletin No. SB2-88A, "4200 Series Magneto Bearing Inspection"                                                                                                       |
| S.L. L210  | Magneto, Slick Electro Bulletin No. SB1-85, "Impulse Coupling Hub Assembly Replacement Program" NO LONGER ACTIVE TCM S.B. 631 APPLIES - CHANGES ANTI-SEIZE COMPOUND                         |
| S.I. 1357A | Magneto, Slick Electro Instructions No. 1-77, "Lag Angle Inspection" and No. 2-77, "Improved Performance"                                                                                   |
| S.I. 1189  | Magneto, Slick Impulse Coupling, Malfunction                                                                                                                                                |
| S.B. 603   | Magneto, Slick 4200/6200 or 4300/6300 series Impulse and Direct Drive (Slick Service Bulletin SB1-12) (Reference Supplement No. 1 of S.B. 603).                                             |
| S.B. 622A  | Magnets, Slick, Champion Bulletin SB1-15A                                                                                                                                                   |
| S.B. 576   | Magneto, Teledyne Continental Ignition Systems Bulletin No. 633A, "Two-Wire Magneto Tachometer Breaker Contact (Points) Assembly Part Number 10-400507"                                     |
| S.B. 528   | Magneto, Teledyne Continental Ignition Systems Bulletin No. SB658, "Distributor Gear Maintenance"                                                                                           |
| S.I. 1444  | Magneto, Teledyne Continental Motors Bulletin No. 630, "Revised Timing Procedures – IO-720"                                                                                                 |
| S.B. 508   | Magneto, Teledyne Continental Motors Bulletin No. 639, "Proper Installation of Impulse Couplings" NOT A SUPERSEDURE FOR TCM SB626 (S.I. 1433)                                               |
| S.B. 515   | Magneto, Teledyne Continental Motors Bulletin No. 643, "Maintenance Intervals for all TCM and Bendix Aircraft Magnets and Related Equipment"                                                |
| S.B. 517*  | Magneto, Teledyne Continental Motors Critical Bulletin No. CSB-641, "Possible Open Condition of SC-20, -200, -1200 Mag. Capacitor" (Refer to Supplement No. 1 to S.B. 517) (A.D. #94-06-09) |
| S.B. 541   | Magneto, Teledyne Continental Motors Critical Bulletin No. CSB662A, "TCM D-200 and D-3000 Series Magneto Capacitors, P/N's 10-382807, 10-382681, and 10-382681-1"                           |
| S.B. 425C* | Magneto, Teledyne Continental Motors Mandatory Bulletin No. MSB645, "Inspection of Riveted Impulse Coupling and Stop Pins" (A.D. #78-09-07)                                                 |
| S.L. L264A | Magneto-to-Engine Timing, Engine Start Problems Due to Drift in                                                                                                                             |
| S.B. 583A  | Magneto, Unison Industries MANDATORY S.B. SB2-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnets"                                                               |
| S.B. 584B  | Magnets, Unison Industries MANDATORY S.B. SB3-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnets"                                                               |
| S.I. 1314  | Magnets (Bendix), Replacement of Slick Ignition Leads Furnished on                                                                                                                          |
| S.I. 1495  | Magnets, Impulse Coupling, Replacement of                                                                                                                                                   |
| S.I. 1506A | Magnets, Impulse Coupling, Replacement on 4-Cylinder Engines                                                                                                                                |
| S.B. 516A  | Magnets, Inspection and Removal of TCM and Bendix S-20 and S-1200 Series Impulse Coupling                                                                                                   |
| S.I. 1346A | Magnets, Installation of Bendix S4LN-1208                                                                                                                                                   |
| S.B. 235A  | Magnets, Procedure for Inspection of Type SN-20 and SN-21 (Lightweight)                                                                                                                     |

## Alphabetical Listing of Lycoming Service Bulletins, Letters, and Instructions

\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| S.I. 1470   | Magnetos, Replacement of Teledyne Continental Motors S-20 and S-200 with SC-20 and SC-200 (Short Cover)                     |
| S.I. 1133   | Magnetos, S-700 Series, Timing Procedure                                                                                    |
| S.I. 1443S  | Magnetos and Electronic Ignition System (EIS) on Lycoming Engines, Approved Slick                                           |
| S.B. 526    | Magnetos, TCM (Bendix) D-2000 and D-3000 Impulse Dual, Replacement of Impulse Coupling Springs or Impulse Coupling Assembly |
| S.I. 1512   | Main and Connecting Rod Bearing Upgrade (Also Reference Supplement No. 1 to S.I. 1512)                                      |
| S.B. 313B   | Maintenance and Inspection of Turbocharger                                                                                  |
| S.L. L270   | Maintenance Intervals for Spark-Ignited Engines Operated on Unleaded Fuels, Extended                                        |
| S.I. 1080C  | Maintenance Items for Special Attention                                                                                     |
| S.B. 301B   | Maintenance Procedures and Service Limitations for Valves                                                                   |
| S.I. 1425A  | Maintenance Procedures to Reduce Possibility of Valve Sticking                                                              |
| S.I. 1040A  | Maintenance Procedures, Simmonds 530 Fuel Injection System                                                                  |
| S.L. L114BK | Maintenance Publications, Engine and Accessory                                                                              |
| S.I. 1363   | Manifold Ball Joint and Retaining Strap, Exhaust                                                                            |
| S.I. 1320   | Manifold Components, Exhaust, Tightening Procedures                                                                         |
| S.I. 1410   | Manifold Pipe Improvement, Exhaust                                                                                          |
| S.I. 1257G  | Manifold Pressure Horsepower and RPM Values                                                                                 |
| S.L. 287    | Manifold Pressure Stability, Increased Fuel Economy and Improved                                                            |
| S.I. 1337A  | Manifold Pressure Relief Valve – TIGO-541                                                                                   |
| S.I. 1293   | Manifold Pressure Relief Valve – TIO-541                                                                                    |
| S.I. 1391   | Manifold Tube Alignment, Exhaust                                                                                            |
| S.I. 1190   | Manifold Tube Modification, Exhaust                                                                                         |
| S.I. 1489C  | Manifold, Fuel, Spring Change                                                                                               |
| S.I. 1455   | Manifold, Fuel Injection, Installation Kit P/N 05K21433                                                                     |
| S.I. 1523G  | Manufacturer's Cross-References, Carburetors                                                                                |
| S.B. 521    | Marmon Flange Joint, Inspection at Transition Inlet and Inspection of Exhaust System Slip Joints for Proper Engagement      |
| S.L. L186   | Marvel-Schebler Bulletin No. A1-76, "Carburetor Cleaning"                                                                   |
| S.I. 1370   | Marvel-Schebler Bulletin No. A1-78, "Carburetor Mixture Control Retainer"                                                   |
| S.B. 434*   | Marvel-Schebler Bulletin No. A1-79, "Improve Sealing of Economizer Channel, HA-6 Carburetors" (A.D. #79-15-02)              |
| S.I. 1373   | Marvel-Schebler Bulletin No. A2-78, "Sealing Pump and Economizer Rods, Carburetor"                                          |
| S.B. 436*   | Marvel-Schebler Bulletin No. A2-79, "Possible Carburetor Contamination" (A.D. #79-08-06)                                    |
| S.B. 310    | Marvel-Schebler Bulletin No. A3-66, "Replacement of Venturi"                                                                |
| S.I. 1398A  | Marvel-Schebler Carburetor Modification – O-540                                                                             |
| S.I. 1421   | Marvel-Schebler Carburetor Modification – TO-360                                                                            |
| S.B. 352    | Marvel-Schebler/Tillotson Bulletin No. 1-71, "Securing Cam Lever"                                                           |
| S.I. 1413   | Marvel-Schebler/Tillotson Bulletin No. A1-81, "Model HA Carburetor Float Shaft and Bracket Wear"                            |
| S.B. 514    | McCauley Bulletin No. 202A, "Replacement of Governor Flyweight Assy. And Pilot Spool End Fitting"                           |
| S.B. 480F   | Metallic Solids Identification After Oil Servicing, and Associated Corrective Action, Oil Servicing,                        |
| S.L. L132   | Military Aircraft Engines, Service Policy                                                                                   |
| S.I. 1026   | Mixture Control Installation Procedure, Simmonds Model 580 Fuel Injector S.I. 1094D Mixture Leaning Procedures, Fuel        |
| S.B. 484*   | Modification, Inspection, Alignment and, of Crossover Exhaust Assembly (A.D. #89-12-04)                                     |
| S.B. 545A   | Modification, Kit Installation                                                                                              |
| S.I. 1264   | Moisture Drains, Addition of Magneto Cover                                                                                  |
| S.I. 1157   | Motors, Starter, Periodic Maintenance                                                                                       |
| S.B. 420    | Mount Assy., Turbocharger                                                                                                   |
| S.I. 1170   | Mounting Bolt, Generator Replacement                                                                                        |
| S.I. 1248B  | Mounting Bracket Attaching Bolts, Engine                                                                                    |
| S.I. 1380*  | Mounting Bracket Attaching Nuts or Bolts (A.D. #79-10-03)                                                                   |
| S.I. 1306A  | Mounting Bracket Installation, Compressor                                                                                   |
| S.I. 1408C  | Mounting Bracket Replacement, Engine                                                                                        |

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| S.I. 1270A  | Mounting Bracket Shims, Alternator                                                                                     |
| S.I. 1105B  | Mounting Brackets, Generator/Alternator, Periodic Inspection                                                           |
| S.I. 1298   | Mounting Dowel Removal, Engine                                                                                         |
| S.I. 1415A  | Mounting Hardware, New Turbocharger                                                                                    |
| S.I. 1364   | Mounting Pad Surface Repair, Oil Pump                                                                                  |
| S.I. 1232   | Mounting Plate Assembly Procedure, Compressor                                                                          |
| S.B. 344    | Mounting Plate Assembly Procedure, Compressor                                                                          |
| S.I. 1173   | Mounting Stud, Intake Pipe, Replacement                                                                                |
| S.I. 1448   | Muffler Covers (Heater), Installation of Tailpipes and (Refer to Supplement No. 2 to S.I. 1448)                        |
| S.B. 606    | Nameplate Correction on IO-540-AE1A5 Engines                                                                           |
| S.I. 1304J  | Nameplate Replacement, Engine                                                                                          |
| S.B. 212B   | Necked Studs, Replacing Straight Thru-Studs With                                                                       |
| S.I. 1047B  | Nitride Hardened Steel Cylinders, Inspection and Reconditioning Procedures                                             |
| S.L. L246   | Non Certified/Non-Airworthy Parts for Non-Aviation Applications                                                        |
| S.B. 601    | Non-Compliant Oil Fill Tubes P/N 77527                                                                                 |
| S.B. 632B*  | Non-Conforming Small End Bushings, Identification of Connecting Rods with                                              |
| S.I. 1465   | Non-Counterweighted Engine Models, Crankshaft Assemblies for                                                           |
| S.B. 510    | Nozzle Assys., Fuel Injector, Recall, Precision Airmotive Bulletin No. PRS-101 (Refer to Supplement No. 1 to S.B. 510) |
| S.I. 1285F  | Non-Destructive Testing of Lycoming Engine Parts                                                                       |
| S.I. 1545   | Nose, Crankcase Expanded Clearance                                                                                     |
| S.I. 1271A  | Nozzle Replacement, Carburetor – O-235                                                                                 |
| S.I. 1395A  | Nozzle Replacement, Carburetor – O-320-D2A                                                                             |
| S.I. 1072   | Nozzles, Fuel Injection, for Simmonds No. 530 Fuel Injection System                                                    |
| S.I. 1275C  | Nozzles, Fuel Injector, Cleaning                                                                                       |
| S.I. 1231   | Nozzles, Fuel Injector, Torque Requirement                                                                             |
| S.I. 1210B* | Nut, Pinion Cage Attaching, Replacement (A.D. #69-25-08)                                                               |
| S.B. 643    | Nut Safety Wire Inspection, Crankcase                                                                                  |
| S.I. 1380*  | Nuts or Bolts, Engine Mounting Bracket Attaching (A.D. #79-10-03)                                                      |
| S.B. 213A   | Nuts, Cylinder Base Allen Head, Replacing Cylinder Base Spline Nuts with                                               |
| S.I. 1509   | Nuts, P/N STD-1409, Replacement of All with P/N STD-2249 Nuts                                                          |
| S.I. 1504   | O-235 Engines, Cylinder Assembly Inspection/Replacement                                                                |
| S.L. L285   | O-235-C, -E, and -H Series Engines, Change in Cylinder Configuration for                                               |
| S.I. 1388C* | O-235 Series Engines, Troubleshooting (Refer to Supplement No. 1 to S.I. 1388C) (A.D. #80-25-02)                       |
| S.B. 453D*  | O-235 Series, Push Rods (A.D. #80-25-02)                                                                               |
| S.L. L156   | O-290-G Surplus Power Plant Engines (FAA Release No. 462)                                                              |
| S.L. L225   | O-320, O-320-A1A, -A1B, -B1A and -B1B Engines, Parts Information                                                       |
| S.I. 1123D  | O-Ring Seal, Installation of P/N STD-2013 at Doweled Thru Stud Location                                                |
| S.L. L226   | Oil Additive, P/N LW-16702 Discoloration                                                                               |
| S.B. 471B   | Oil Additive, Use of Textron Lycoming LW-16702                                                                         |
| S.B. 446E*  | Oil Additive, Use of Textron Lycoming LW-16702 (A.D. #80-04-03)                                                        |
| S.I. 1409C  | Oil Additive, Use of Textron Lycoming LW-16702                                                                         |
| S.L. L171   | Oil Analysis, General Aspects of Spectrometric                                                                         |
| S.I. 1427C  | Oil Consumption Limits and Engine Break-In                                                                             |
| S.I. 1462A  | Oil Control, Propeller Leak Test Procedure                                                                             |
| S.I. 1479A  | Oil Cooled Exhaust Valve Guide Kit, TIO-540-AE2A                                                                       |
| S.I. 1585A  | Oil Cooler Bypass Valve Assembly Replacement                                                                           |
| S.I. 1316A  | Oil Cooler Bypass Valve Seat, Repair of                                                                                |
| S.I. 1565A  | Oil Cooler Bypass Valve, Thermostatic                                                                                  |
| S.I. 1423A  | Oil Cooler Bypass Valve, Thermostatic, P/N 75944                                                                       |
| S.I. 1255A  | Oil Cooler Bypass Valve, Thermostatic, Replacement                                                                     |
| S.I. 1008C  | Oil Cooler Bypass, Thermostatic, Instructions for Installation                                                         |
| S.B. 534    | Oil Drain Tank Inspection and Replacement, Turbocharger                                                                |
| S.I. 1399   | Oil Drain Tube Replacement, Turbocharger                                                                               |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

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| S.I. 1487   | Oil, Drain Back Tube, Clearance                                                                                        |
| S.B. 377    | Oil, Drain, Modification, and Turbocharger Check Valve                                                                 |
| S.B. 601    | Oil Fill Tubes P/N 77527, Non-Compliant                                                                                |
| S.B. 307    | Oil Filter AC Adapter Gasket Replacement of (A.D. 66-20-04)                                                            |
| S.I. 1169C  | Oil Filter Assy., Inspection and Replacement                                                                           |
| S.B. 370    | Oil Filter Attaching Stud Replacement                                                                                  |
| S.B. 466    | Oil Filter Base Adapter Inspection                                                                                     |
| S.I. 1586   | Oil Filter Base Bypass Spring Replacement                                                                              |
| S.I. 1442A  | Oil Filter Bypass Valve, Improved                                                                                      |
| S.I. 1453B* | Oil Filter Converter Plate Gasket, Replacement (A.D. #2002-12-07)                                                      |
| S.B. 543C*  | Oil Filter Converter Plate Gasket, Replacement (A.D. #2002-12-07) (Refer to Supplement No. 1 of S.B. 543C)             |
| S.B. 337A   | Oil Filter Housing and Bolt Modification                                                                               |
| S.I. 1457A  | Oil Filter Kit, Remote Mounted                                                                                         |
| S.B. 397    | Oil Filter Seals, Full Flow – TIO & TIGO-541 Series                                                                    |
| S.B. 545A   | Oil Filter Tube Replacement                                                                                            |
| S.I. 1403   | Oil Filters, Approved Spin-On, Champion Bulletin No. 75-4                                                              |
| S.I. 1109   | Oil Filters, Procedures for Cleaning Simmonds Fuel Injector                                                            |
| S.I. 1397A  | Oil From Breather Fitting, Overflow, Inverted Oil System                                                               |
| S.I. 1274B  | Oil Hoses, Silicone Coated, Service Replacement                                                                        |
| S.B. 389    | Oil Inlet Check Valve Replacement, Turbocharger                                                                        |
| S.I. 1290F  | Oil Leakage Repair, Crankcase Thru-Stud Locations, Assembled and Unassembled Engines                                   |
| S.B. 407A*  | Oil Level Gage Assy's. (A.D. #77-07-07)                                                                                |
| S.B. 633    | Oil Level Gage, Gipps TIO-540-AH1A                                                                                     |
| S.I. 1379   | Oil Level Gage Kit                                                                                                     |
| S.I. 1288   | Oil Level Gage, Modification of                                                                                        |
| S.B. 451    | Oil Level Gage, Rework or Replacement                                                                                  |
| S.B. 612    | Oil Level Gage Replacement                                                                                             |
| S.I. 1435   | Oil Line, Propeller Governor, Nut and Elbow (Refer to Supplement No. 1 to S.I. 1435)                                   |
| S.B. 318B   | Oil, Lubricating, Limitations (Break-In)                                                                               |
| S.I. 1014N  | Oil, Lubricating, Recommendations                                                                                      |
| S.L. L203   | Oil, Lubricating, Recommendations                                                                                      |
| S.B. 399A   | Oil, Lubricating, Safe Quantity                                                                                        |
| S.B. 247    | Oil Metering Plug Modification in Accessory Housing                                                                    |
| S.B. 572    | Oil Passage Hole, Missing at Idle Shaft Location                                                                       |
| S.I. 1251   | Oil Plug, Crankshaft Front, PC-111 & PC-112 Listing                                                                    |
| S.I. 1172C  | Oil Pressure Relief Valve Installation, Adj. And Valve Seat Repair or Replacement                                      |
| S.I. 1300   | Oil Pressure, Increased Turbocharger Inlet                                                                             |
| S.I. 1472   | Oil, Preservative, Removal from Engine                                                                                 |
| S.I. 1164B* | Oil Pump Application (A.D. #96-09-10) (S.L. 187) Reactivated with this revision                                        |
| S.B. 555A   | Oil Pump Body Plug Inspection                                                                                          |
| S.I. 1341*  | Oil Pump Idler Shaft Lubrication (A.D. #96-09-10)                                                                      |
| S.I. 1230B  | Oil Pump Impellers                                                                                                     |
| S.I. 1434   | Oil Pump Impellers, Improved                                                                                           |
| S.B. 524*   | Oil Pump Impellers, Replacement of Aluminum and Sintered Iron (Refer to Supplement No. 1 to S.B. 524) (A.D. #96-09-10) |
| S.B. 423*   | Oil Pump Inspection and Impeller Replacement (A.D. #78-12-08)                                                          |
| S.I. 1364   | Oil Pump Mounting Pad Surface Repair                                                                                   |
| S.I. 1273A  | Oil Pump, Installation of Relief Valve                                                                                 |
| S.I. 1392   | Oil Recommendations, Lubricating, and Cold Weather Operation                                                           |
| S.I. 1411   | Oil Seal Application, Thru-Bolt Ring                                                                                   |
| S.I. 1111   | Oil Seal Surface, Crankshaft, Recondition of Worn                                                                      |
| S.I. 1221A  | Oil Seal, Dry Air Pump Drive, Replacement                                                                              |
| S.I. 1324D  | Oil Seals, Crankshaft                                                                                                  |

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| S.B. 480F    | Oil Servicing, Metallic Solids Identification After Oil Servicing, and Associated Corrective Action |
| S.I. 1313A   | Oil Squirt Turbocharger Installation                                                                |
| S.B. 558     | Oil Suction Screen, Inspection for Basting Voids                                                    |
| S.B. 345     | Oil Suction Tube Assembly Modification                                                              |
| S.B. 579     | Oil Sump Assembly and Oil Sump Baffle, Clearance Between                                            |
| S.I. 1289A   | Oil Sump and Related Parts Listing                                                                  |
| S.I. 1279D   | Oil Sump Baffle Replacement                                                                         |
| S.B. 489A    | Oil Sump, Baffle Assembly, P/N LW-13383,                                                            |
| S.I. 1570    | Oil Sump Fitting Configuration for Aerobatic Inverted Oil System, Alternate                         |
| S.B. 258     | Oil Sump Induction Modification to Eliminate Engine Roughness in Piper Aircraft                     |
| S.I. 1168B   | Oil Sump, Repair of Intake Pipe Bores                                                               |
| S.I. 1369    | Oil Support Port, Vacuum Pump Pad                                                                   |
| S.L. L229B   | Oil, Synthetic Lubricating, Use of Mobil AV 1, in Lycoming Reciprocating Aircraft Engines           |
| S.I. 1321    | Oil Transfer and Supply Tubes – Propeller                                                           |
| S.I. 1394    | Oil Transfer Dowel, Modification to Retrofit Hollow, on Accessory Housing and Cover Assys.          |
| S.B. 592     | Overboost, Engine Inspection After                                                                  |
| S.I. 1397A   | Overflow Oil from Breather Fitting of Inverted Oil System                                           |
| S.L. L161C   | Overhaul Manual Revision Policy                                                                     |
| S.L. L209A   | Overhaul Manuals and Parts Catalogs, Utilization of Textron Lycoming Piston Engines                 |
| S.B. 240W    | Overhaul, Normal, Parts Replacement, and During Repair or Normal Maintenance Mandatory              |
| S.I. 1009BE* | Overhaul, Recommended Time Between (TBO)                                                            |
| S.B. 276     | Overhaul, Replacement of Front Main Bearing                                                         |
| S.I. 1123D   | Oversized Dowel, Installation of P/N 75302-P10 a Thru-Stud Location                                 |
| S.B. 369S    | Overspeed, Engine Inspection After                                                                  |
| S.L. L267    | Owner Registration via Lycoming Engines Website, Warranty and                                       |
| S.B. 601     | P/N 77527 Oil Fill Tubes, Non-Compliant                                                             |
| S.B. 556     | P/N LW-11201 Washer, Replacement                                                                    |
| S.I. 1509    | P/N STD-1409 Nuts, Replacement of All with P/N STD-2249 Nuts                                        |
| S.I. 1364    | Pad Surface Repair, Oil Pump Mounting                                                               |
| S.L. L263    | Paint on Cylinder, Discolored                                                                       |
| S.B. 271A    | Painting of Cylinder Flange Area                                                                    |
| S.B. 544B    | Part Identification, Bearing Replacement                                                            |
| S.L. L223    | Part Number Code, New                                                                               |
| S.L. L258    | Part Number Supersedure for External Retaining Ring                                                 |
| S.L. L240A   | Part Numbers, Identified by Lycoming with -70 and -85 Suffix                                        |
| S.I. 1530    | Particulate-Laden Environments, Engine Inspection                                                   |
| S.I. 1125D   | Parting Surface Sealants, Alternate Crankcase                                                       |
| S.L. L209A   | Parts Catalogs and Overhaul Manuals, Utilization of Textron Lycoming Piston Engines                 |
| S.L. L225    | Parts Information, O-320, O-320-A1A, -A1B, -B1A, -B1B Engines                                       |
| S.I. 1289A   | Parts Listing – PC-206, Oil Sump and Related                                                        |
| S.I. 1032H   | Parts Replacement and Dynamic Balance of Supercharger Impeller Assemblies                           |
| S.B. 240W    | Parts Replacement, Mandatory, at Normal Overhaul and During Repair or Normal Maintenance            |
| S.I. 1218A   | Parts Substitution Chart, Camshaft with Integral Drive Gear                                         |
| S.I. 1059E   | Parts, Pre-Lubrication Before Assembly                                                              |
| S.I. 1122A   | Parts, Turbocharger, Repair Procedures for                                                          |
| S.L. L239    | Parts, Warranty Return, Preservation of                                                             |
| S.I. 1511A   | “PID” Stamped Crankshafts, Inspection                                                               |
| S.I. 1340A   | Pin Identification, Piston                                                                          |
| S.I. 1267D   | Pin Plug Usage, Piston                                                                              |
| S.I. 1376    | Pin Replacement, Starter Drive                                                                      |
| S.L. L182    | Pin, Piston, Finish                                                                                 |
| S.I. 1492D   | Pin, Piston, Plug Wear Inspection                                                                   |
| S.B. 501B*   | Pin, Piston, P/N LW-14077, Recall of (A.D. #92-12-05)                                               |
| S.B. 527C*   | Pin, Piston, P/N LW-14077, Recall of (A.D. #97-15-11)                                               |

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Service Bulletins, Letters, and Instructions**

\* - Lycoming Service Document referenced in Airworthiness Directives.

| <b>Pub. No.</b> | <b>Title</b>                                                                                                                                  |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1156A      | Pinion Cage Assy. And Propeller Shaft Procedure                                                                                               |
| S.I. 1210B*     | Pinion Cage Attaching Nut Replacement (A.D. #69-25-08)                                                                                        |
| S.I. 1236A      | Pinion Cages, Reduction Gear, Repair Procedure for Worn (Refer to Supplement No. 1 to S.I. 1236A)                                             |
| S.I. 1461       | Pinion, Improved for Lightweight Starter P/N 31B21064 (24V) and P/N 31A21198 (12V)                                                            |
| S.I. 1355       | Pipe Extensions and Clamps, Intake                                                                                                            |
| S.I. 1410       | Pipe Improvement, Exhaust Manifold                                                                                                            |
| S.B. 499C*      | Pipe Kit, Exhaust (05K21503), One-Piece, Installation of (A.D. #91-21-01)                                                                     |
| S.I. 1216       | Pipe, Intake, and Seal Replacement                                                                                                            |
| S.I. 1572       | Piper installation of IO-360-B4A, Plug Replacement of Vapor Return Fitting on                                                                 |
| S.B. 642A       | Piston and Ring Combination, Incorrect                                                                                                        |
| S.L. L182       | Piston Pin Finish                                                                                                                             |
| S.I. 1340       | Piston Pin Identification                                                                                                                     |
| S.I. 1267D      | Piston Pin Plug Usage                                                                                                                         |
| S.I. 1492D      | Piston Pin Plug Wear Inspection                                                                                                               |
| S.B. 367F*      | Piston Pin, P/N 69650, Required Inspection (Refer to Supplement No. 1 to S.B. 367F) (A.D. #73-23-01)                                          |
| S.B. 501B*      | Piston Pin, P/N LW-14077, Recall of (A.D. #92-12-05)                                                                                          |
| S.B. 527C*      | Piston Pin, P/N LW-14077, Recall of (A.D. #97-15-11)                                                                                          |
| S.L. L215       | Piston Replacement Recommendation                                                                                                             |
| S.I. 1558       | Piston Ring Part Numbers, New                                                                                                                 |
| S.L. L262       | Piston Ring Part Numbers, New                                                                                                                 |
| S.I. 1471       | Piston Usage                                                                                                                                  |
| S.B. 520        | Piston, Incorrect Shipped with Cylinder Kits P/N 05K21108, P/N 05K21118 and P/N 05K21104                                                      |
| S.I. 1037Y      | Pistons, Approved for Use in Lycoming Aircraft Engines                                                                                        |
| S.I. 1076       | Pitch Alignment, Bevel Gear Assy., Backlash and                                                                                               |
| S.I. 1232       | Plate, Compressor Mounting, Assembly Procedure                                                                                                |
| S.I. 1296       | Plate, Drive, and Crankshaft Attaching Parts                                                                                                  |
| S.I. 1438A      | Plate, Propeller Governor Pad, P/N LW-12347                                                                                                   |
| S.I. 1228A      | Plates, Cylinder Hold-Down, Modification of                                                                                                   |
| S.I. 1180B      | Plug, Crankshaft Front                                                                                                                        |
| S.I. 1251       | Plug, Crankshaft Front Oil, PC-111 & PC-112 Listing                                                                                           |
| S.B. 555        | Plug, Oil Pump Body, Inspection (Refer to Supplement No. 1 to S.B. 555)                                                                       |
| S.I. 1267D      | Plug, Piston Pin, Usage                                                                                                                       |
| S.I. 1492D      | Plug, Piston Pin, Wear Inspection                                                                                                             |
| S.I. 1583       | Plug Replacement, Front Expansion                                                                                                             |
| S.I. 1572       | Plug Replacement of Vapor Return Fitting on Piper installation of IO-360-B4A                                                                  |
| S.I. 1424A      | Plunger Assy./Hydraulic Tappet P/N 78290, Installation Procedure                                                                              |
| S.B. 238        | Plunger Assys., Magnetized Condition of Hydraulic Tappet                                                                                      |
| S.I. 1011N*     | Plunger Assys., Table of Current (A.D. #62-03-02)                                                                                             |
| S.I. 1549       | Plunger P/N 23D26777, Notification of Approved Fuel Pump                                                                                      |
| S.L. L132       | Policy, Service, Regarding Lycoming Military Aircraft Engines                                                                                 |
| S.I. 1428       | Power Setting, Richer, Carburetor Modification for – O/LO-360-A                                                                               |
| S.I. 1059E      | Pre-Lubrication of Parts Before Assembly                                                                                                      |
| S.I. 1241C      | Pre-Oiling Engines Prior to Initial Start                                                                                                     |
| S.B. 498B       | Precision Airmotive Corp. Bulletin No. MSA-2, Rev. 2, Carburetor, “One Piece Primary and Main Venturi”                                        |
| S.B. 510        | Precision Airmotive Corp. Bulletin No. PRS-101, “Recall of Fuel Injector Nozzle Assys.” (Refer to Supplement No. 1 to S.B. 510)               |
| S.I. 1445       | Precision Airmotive Corp. Bulletin No. PRS-91, Fuel Injector, “Timing of the Power Enrichment Valve Opening”                                  |
| S.B. 485*       | Precision Airmotive Corp. Bulletin No. PRS-92, Fuel Injector, “Fuel Injector Contamination” (A.D. #89-13-02)                                  |
| S.B. 532        | Precision Airmotive Corp. Bulletin No. PRS-103, Fuel Injector, “Fuel Diaphragm Assembly, P/N 2541803” (Refer to Supplement No. 2 to S.B. 532) |



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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                                                                    |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 557    | Precision Airmotive Corp. Bulletin No. PRS-105, Fuel Injector, "Servo Metered Fuel Pressure Port Leakage"                                                                |
| S.B. 581A*  | Precision Airmotive Corp. Bulletin Nos. PRS-107, Rev. 1 and PEX-1, "Hex Plug 383493 Coming Loose from Regulator Cover" (A.D. #2009-02-03)                                |
| S.B. 582A   | Precision Airmotive Corp. MANDATORY S.B. MSA-13, "Replacement of Carburetor Floats with New Foam Floats" (Refer to Supplement No. 1 of S.B. 582A)                        |
| S.I. 1521   | Precision Airmotive Service Information Letter No. SIL RS-35 Revision 1, "Alternate Flow Bench Test Fluid – MIL-PRF-7024 Type II"                                        |
| S.I. 1494   | Precision Airmotive Service Information Letter No. SIL RS-45, Fuel Injector, "Rework Instructions for RSA-5AD1 Fuel Injection Servo Installed on Slingsby T-3A Aircraft" |
| S.I. 1522   | Precision Airmotive Service Information Letter No. SIL RS-62 Revision 2, "Overhaul Kits for RS-5 and RSA- 10 Fuel Injection Servos"                                      |
| S.I. 1518   | Precision Airmotive Corp. Service Information Letter No. SIL RS-84, "Flow Divider Cold Weather Operation"                                                                |
| S.I. 1519A  | Precision Airmotive Corp. Service Information Letter No. SIL RS-87, "New Regulator Plug Gasket and Increased Torque for All RSA-5 and RSA-10 Fuel Injection Servos"      |
| S.I. 1520   | Precision Airmotive Corp. Service Information Letter No. SIL-RS-88                                                                                                       |
| S.I. 1525   | Precision Airmotive Corp. Service Information Letter No. SIL RS-92                                                                                                       |
| S.L. L221C  | Precision Fuel Control Components, Warranty Repair of                                                                                                                    |
| S.L. L239   | Preservation of Warranty Return Parts                                                                                                                                    |
| S.I. 1481B  | Preservation, Engine, Factory                                                                                                                                            |
| S.L. L180B  | Preservation Engine, for Active and Stored Aircraft                                                                                                                      |
| S.I. 1472   | Preservative Oil, Removal from Engine                                                                                                                                    |
| S.I. 1474   | Pressure Controller, Differential, Improved for TIO-540-AF1A Engine Model                                                                                                |
| S.I. 1308E  | Pressurized Magneto Pressure Test (Refer to Supplement No. 1 to S.I. 1308E)                                                                                              |
| S.B. 573    | Pressurized Magneto Pressure Tests (Refer to Supplement No. 1 to S.B. 573)                                                                                               |
| S.I. 1237A  | Prestolite Bulletins No. ASM-3 and ASM-4, "Aircraft Charging System Service Precautions"                                                                                 |
| S.I. 1253   | Prestolite Bulletin No. ASM-5, "Fuel Terminal Stud Insulation Replacement"                                                                                               |
| S.L. L189   | Prestolite Bulletin No. ASM-11, "Bench Testing Solid State Regulators"                                                                                                   |
| S.I. 1389   | Prestolite Bulletin No. ASM-12, "Addition of Loctite Grade A to Starting Motors"                                                                                         |
| S.I. 1301B  | Primer and Fuel Injector Lines, Identification                                                                                                                           |
| S.L. L278   | Product Support Hours, Lycoming Engines'                                                                                                                                 |
| S.B. 533C*  | Propeller/Rotor Blade or Tip Loss, Propeller/Rotor Strike, Recommendations Regarding (A.D. #2004-10-14)                                                                  |
| S.I. 1312   | Propeller Drive Thrust Bearing Replacement (Crankcase P/N LW-13082)                                                                                                      |
| S.I. 1098Q  | Propeller Flange Bushing Location                                                                                                                                        |
| S.I. 1452   | Propeller Flange Bushings, Reindexing (O-360-C1G))                                                                                                                       |
| S.I. 1344   | Propeller Flange Dowel Hole Repair                                                                                                                                       |
| S.I. 1560   | Propeller Governor Drive Set Screw Inspection                                                                                                                            |
| S.I. 1343C* | Propeller Governor Idler Shaft, Set Screws for (A.D. #2015-02-07)                                                                                                        |
| S.B. 488A*  | Propeller Governor Line Support (Refer to Supplement No. 1 to S.B. 488A) (A.D. #90-04-06)                                                                                |
| S.I. 1435   | Propeller Governor Oil Line Nut and Elbow                                                                                                                                |
| S.I. 1438A  | Propeller Governor Pad Plate P/N LW-12347                                                                                                                                |
| S.I. 1462A  | Propeller Oil Control Leak Test Procedure                                                                                                                                |
| S.I. 1321   | Propeller Oil Transfer and Supply Lines                                                                                                                                  |
| S.I. 1156A  | Propeller Shaft and Pinion Cage Assembly Procedure                                                                                                                       |
| S.I. 1250   | Propeller Shaft Bearing Lubrication                                                                                                                                      |
| S.I. 1108C  | Propeller Shaft Bearing Surfaces, Repair (Refer to Supplement No. 1 to S.I. 1108C)                                                                                       |
| S.L. L235A  | Propeller, Hartzell, Compact Aluminum Hub, Installation on Comanche 250 Aircraft                                                                                         |
| S.I. 1227   | Propeller, Hartzell Letter No. 17, "Oil Leakage"                                                                                                                         |
| S.B. 514    | Propeller, McCauley Bulletins No. 202A, "Replacement of Government Flyweight Assy. And Pilot Spool End Fitting"                                                          |
| S.L. L114BK | Publications, Engine and Accessory Maintenance                                                                                                                           |
| S.L. L271   | Publications, How to Access Lycoming Digital Technical                                                                                                                   |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.     | Title                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------------|
| S.L. L161C   | Publications, Overhaul Manual Revision Policy                                                             |
| S.L. L195    | Puller, Seal, ST-172, Revision of                                                                         |
| S.I. 1283A   | Pulley and Belt, Alternator Cog, Installation                                                             |
| S.I. 1249    | Pulley, Alternator, and Shaft Assy.                                                                       |
| S.I. 1212    | Pump, Accelerator, Marvel-Schebler Carburetor with – O-235-C Series                                       |
| S.I. 1221A   | Pump Drive (Dry Air) Oil Seal Replacement                                                                 |
| S.I. 1338    | Pump Drive Shaft Modification, Hydraulic                                                                  |
| S.B. 374     | Pump, Fuel Inlet, Inspection                                                                              |
| S.B. 421*    | Pump, Fuel Line Between Fuel Injector and Fuel (A.D. #78-23-08)                                           |
| S.L. L218    | Pump, Fuel, Adapters                                                                                      |
| S.B. 525A*   | Pump, Fuel, Inspection of High Pressure, P/N LW-15473 (A.D. #96-23-03)                                    |
| S.B. 406A    | Pump, Fuel, Inspection, Titan                                                                             |
| S.B. 548A    | Pump, Fuel, Inspection/Replacement of Diaphragm Type                                                      |
| S.B. 565     | Pump, Fuel, Inspection/Replacement of Diaphragm Type                                                      |
| S.B. 608     | Pump, Fuel Replacement Hartzell Engine Technologies (Refer to Supplement No. 1 to S.B. 608)               |
| S.B. 624     | Pump, Fuel, Valve Housing Cap Screw Replacement, Reprint of Hartzell SB-065                               |
| S.I. 1341*   | Pump Idler Shaft Lubrication, Oil (A.D. #96-09-10)                                                        |
| S.I. 1309    | Pump, Lear Siegler Fuel, Modification                                                                     |
| S.I. 1364    | Pump Mounting Pad Surface Repair, Oil                                                                     |
| S.I. 1164B*  | Pump, Oil, Application (A.D. #96-09-10) (S.L. 187) Reactivated with this Revision.                        |
| S.B. 555A    | Pump, Oil, Body Plug Inspection                                                                           |
| S.I. 1230B   | Pump, Oil, Impellers                                                                                      |
| S.I. 1434    | Pump, Oil, Impellers, Improved                                                                            |
| S.B. 494*    | Pump Vent Fittings, Fuel, Restricted, Installation of (A.D. #91-08-07)                                    |
| S.B. 487*    | Pump, Vent, Fuel, Restriction (A.D. #89-15-10)                                                            |
| S.I. 1152A   | Punch Marks on Crankshaft Counterweight Lobes                                                             |
| S.I. 1060U   | Push Rod Identification                                                                                   |
| S.B. 522*    | Push Rod P/N 73806, Inspection and Replacement (A.D. #95-03-10)                                           |
| S.I. 1480    | Push Rods, Installation of Steel                                                                          |
| S.B. 453D*   | Push Rods, O-235 Series (A.D. #80-25-02)                                                                  |
| S.B. 408     | Rajay Industries S.L. 21A, "Inspection of Turbine (Exhaust) Housings"                                     |
| S.B. 599     | Recall 201F fuel Pump, and Inspection Hartzell Engine Technologies Service bulletin No. 045               |
| S.B. 501B*   | Recall of Piston Pin P/N LW-14077 (A.D. #92-12-05)                                                        |
| S.B. 527C*   | Recall of Piston Pin P/N LW-14077 (A.D. #97-15-11)                                                        |
| S.L. L114BK  | Reciprocating Engine and Accessory Maintenance Publications                                               |
| S.I. 1498B   | Recommended Engine Procedures for Purging Vapor During Ground Run                                         |
| S.I. 1009BE* | Recommended Time Between Overhaul (TBO)                                                                   |
| S.L. L214A   | Reconditioned Camshaft Exchange Program (Notice of Discontinuance of Program)                             |
| S.L. L150T   | Reconditioned Simmonds Fuel Injectors                                                                     |
| S.I. 1047B   | Reconditioning Procedures for Nitride Hardened Steel Cylinders                                            |
| S.B. 319B*   | Reduction Gear Assembly Inspection (A.D. #69-25-08)                                                       |
| S.I. 1159    | Reduction Gear Housing Interference, Crankcase Modification to Prevent                                    |
| S.I. 1236A   | Reduction Gear Pinion Cages, Repair Procedure for Worn (Refer to Supplement No. 1 to S.I. 1236A)          |
| S.L. L267    | Registration via Lycoming Engines Website, Warranty and Owner                                             |
| S.I. 1446*   | Regulator Diaphragm, Possible Ruptured, in AN Fuel Pump (A.D. #91-08-07)                                  |
| S.I. 1154W   | Regulators, FAA Approved                                                                                  |
| S.L. L272A   | Release of New Silicone Rocker Cover Gaskets                                                              |
| S.I. 1172C   | Relief Valve Installation, Adjustable Oil Pressure, and Valve Seat Repair or Replacement                  |
| S.I. 1273A   | Relief Valve, Installation in Oil Pump                                                                    |
| S.I. 1337A   | Relief Valve, Manifold Pressure – TIGO-541                                                                |
| S.I. 1293    | Relief Valve, Manifold Pressure – TIO-541                                                                 |
| S.I. 1457A   | Remote Mount Oil Filter Kit, Optional                                                                     |
| S.I. 1535    | Removal, Inspection, and Installation, Counterweight and Roller (Refer to Supplement. No. 1 to S.I. 1535) |

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| Pub. No.   | Title                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------------|
| S.I. 1546  | Removal, and Installation of Electrical Lead on Hartzell Engine Technologies, LLC Starters, Specific Requirements for    |
| S.B. 222D  | Renitriding Recommendations, Crankshaft                                                                                  |
| S.L. L221C | Repair, Warranty, of Precision Fuel Metering Components                                                                  |
| S.L. L222  | Repair, Warranty, of Teledyne Continental Motors Ignition Components                                                     |
| S.I. 1582A | Replacement, Fuel Injector                                                                                               |
| S.B. 307   | Replacement of AC Oil Filter Adapter Gasket (A.D. 66-20-04)                                                              |
| S.I. 1509  | Replacement of All P/N STD-1409 Nuts with P/N STD-2249 Nuts                                                              |
| S.I. 1535  | Replacement of Counterweight Bushing, Inspection and Removal (Refer to Supplement. No. 1 to S.I. 1535)                   |
| S.B. 308B  | Replacement of Crankshaft Idler Gear Shafts. (A.D. 66-14-03)                                                             |
| S.B. 608   | Replacement of Hartzell Engine Technologies Fuel Pump Assemblies                                                         |
| S.B. 556   | Replacement of Washer P/N LW-11201                                                                                       |
| S.I. 1587  | Reprint of AVStar Service Information Letter No. AFS-SIL-03                                                              |
| S.B. 628A  | Reprint of Hartzell Engine Technologies' (HET) Alert Service Bulletin (ASB) 076                                          |
| S.B. 637   | Reprint of Slick/Champion Aerospace Service Bulletin SB1-19                                                              |
| S.B. 311   | Retainers (Cushion), Inspection and Replacement                                                                          |
| S.I. 1227A | Retaining Components, Shroud Tube                                                                                        |
| S.B. 554*  | Retaining Bolt Replacement, Crankshaft Gear (Refer to Supplement No. 3, No. 4, and No. 5 to S.B. 554) (A.D. #2004-05-24) |
| S.I. 1284A | Retaining Spring Replacement, Shroud Tube                                                                                |
| S.I. 1363  | Retaining Strap and Ball Joint, Exhaust Manifold                                                                         |
| S.B. 477A* | Rework and Inspection of P/N LW-18790 Rocker Arm Assy. (Refer to Supplement No. 1 to S.B. 477A) (A.D. #87-10-06)         |
| S.I. 1428  | Richer Power Setting, Carburetor Modifications for – O/LO-360                                                            |
| S.B. 642A  | Ring Combination, Incorrect Piston and                                                                                   |
| S.L. L233  | Ring Gear, Support Assys., Better Identification of Reverse Rotation                                                     |
| S.I. 1121  | Ring Gears, Identification                                                                                               |
| S.I. 1141A | Ring Gears, Starter, Replacement of Worn                                                                                 |
| S.I. 1411  | Ring, Thru-Bolt, Oil Seal Application                                                                                    |
| S.I. 1558  | Ring, Piston, New Part Numbers                                                                                           |
| S.L. L262  | Ring, Piston, New Part Numbers                                                                                           |
| S.I. 1037Y | Rings, Approved for Use in Lycoming Aircraft Engines                                                                     |
| S.B. 477A* | Rocker Arm Assy., Inspection and Rework of P/N LW-18790 (Refer to Supplement No. 1 to S.B. 477A) (A.D. #87-10-06)        |
| S.I. 1454A | Rocker Arm Assembly Replacement Part (Refer to Supplement No. 1 to S.I. 1454A)                                           |
| S.B. 639   | Rocker Arm, Part Number LW-15014, Inspection of                                                                          |
| S.B. 412B* | Rocker Arm Retaining Stud, Intake and Exhaust Valve (A.D. #77-20-07)                                                     |
| S.I. 1268C | Rocker Assy., Exhaust Valve                                                                                              |
| S.I. 1468A | Rocker Assy., Exhaust Valve                                                                                              |
| S.L. L272A | Rocker Cover Gaskets, Release of New Silicone                                                                            |
| S.I. 1366A | Rocker Shaft Bearing Hole, Repair Procedure for Worn                                                                     |
| S.I. 1176  | Rocker Shaft Repair, Valve                                                                                               |
| S.B. 225B  | Rocker Thrust Washers, Valve, Replacement                                                                                |
| S.I. 1182A | Rockers, High Lift Valve, for Improved Performance (S.L. 187) Reactivated with this Revision.                            |
| S.I. 1307B | Rod Bolt Assembly, Connecting, and Torque Application                                                                    |
| S.I. 1458G | Rod Bolts, Connecting (Identification and Installation)                                                                  |
| S.I. 1575  | Rod Bushing, New Connecting                                                                                              |
| S.I. 1359  | Rod Cap Modification, Connecting                                                                                         |
| S.B. 418   | Rod End Replacement, Waste Gate Control Cable                                                                            |
| S.I. 1060U | Rod Identification, Push                                                                                                 |
| S.I. 1466  | Rod, Connecting Assemblies                                                                                               |
| S.I. 1467  | Rod, Connecting Assemblies                                                                                               |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

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| S.B. 547*  | Rod, Connecting, Bearing Replacement on TIO-540-AE2A Model Engines (Refer to Supplement No. 1 to S.B. 547) |
| S.B. 561*  | Rod, Connecting, Bearing Replacement on (L)TIO-540-U2A, -V2AD and -W2A Engines                             |
| S.I. 1323A | Rod, Connecting, with High-Tensile Strength Bolts                                                          |
| S.I. 1469  | Rod, Connecting, with High-Tensile Strength Bolts                                                          |
| S.B. 522*  | Rods, Push, P/N 73806, Inspection and Replacement (A.D. #95-03-10)                                         |
| S.B. 439A  | Rods, Connecting, Inspection for Fretting and/or Galling, Repair of Fretting                               |
| S.I. 1138B | Rods, Connecting, Replacement of IO-720 Engines                                                            |
| S.B. 351B* | Rods, Heavy Connecting for High Speed Geared Drive Engines (A.D. #74-13-05)                                |
| S.B. 303F  | Rods, Heavy Connecting for High Speed Helicopter Engines (A.D. 73-05-01)                                   |
| S.I. 1480  | Rods, Push, Installation of Steel                                                                          |
| S.B. 453D* | Rods, Push, O-235 Series (A.D. #80-25-02)                                                                  |
| S.I. 1075A | Rods, Push, Procedure for Removing from Top Exhaust Cylinders                                              |
| S.I. 1535  | Roller and Counterweight Removal, Inspection, and Installation (Refer to Supplement. No. 1 to S.I. 1535)   |
| S.I. 1500  | Roller Change, Counterweight for Robinson Helicopter                                                       |
| S.I. 1514D | Roller Tappets, Part Information Update                                                                    |
| S.I. 1012L | Rollers and Counterweights on Engine Models                                                                |
| S.B. 651   | Rotator Caps on Intake Valves, Inspection for                                                              |
| S.I. 1302A | Rotator Intake Valve with Small Diameter Head                                                              |
| S.I. 1280D | Rotator Type Intake Valves                                                                                 |
| S.I. 1449  | Rotomaster Turbocharger (46A21184), Installation of                                                        |
| S.B. 533C* | Rotor/Propeller Blade or Tip Loss, Rotor/Propeller Strike, Recommendations Regarding (A.D. #2004-10-14)    |
| S.I. 1257G | RPM Values, Horsepower and Manifold Pressure                                                               |
| S.I. 1566  | Safety Cable, Lycoming Engines Approves the use of                                                         |
| S.B. 643   | Safety Wire Inspection, Crankcase Nut                                                                      |
| S.I. 1140  | Salvage Repair of Magneto Bearing Recess in Crankcase                                                      |
| S.I. 1120  | Scintilla Bulletin No. 502, S-700 Series Magnetos, "Internal Timing"                                       |
| S.I. 1126  | Scintilla Bulletin No. 503, "Lubrication of Tapered Drive Shaft on S Series Magnetos"                      |
| S.I. 1139  | Scintilla Bulletin No. 510 and 511, "Distributor Gears S-600 Series; Replaceable Electrodes S-700 Series"  |
| S.I. 1186  | Screen, Filter, Removal from Fuel Injector Nozzle                                                          |
| S.B. 558   | Screen, Oil Suction, Inspection for Casting Voids                                                          |
| S.B. 564A  | Screen, Suction, Inspection of Length                                                                      |
| S.B. 366C  | Screw, Carburetor Throttle Body, Inspection                                                                |
| S.B. 330B* | Screw, Retighten and Lockwire Carburetor Throttle Arm (A.D. #72-06-05)                                     |
| S.L. L196  | Screwdriver Blade, ST-418-3, Revision to                                                                   |
| S.I. 1216  | Seal and Intake Pipe Replacement                                                                           |
| S.L. L195  | Seal Puller, ST-172, Revision to                                                                           |
| S.I. 1111  | Seal Surface, Crankshaft Oil, Recondition of Worn                                                          |
| S.I. 1347  | Seal Surface, Shroud Tube, Repair of                                                                       |
| S.I. 1368  | Seal Washer and Retainer, Tachometer Adapter                                                               |
| S.B. 354   | Seal, Leakage at Propeller Shaft                                                                           |
| S.B. 375A  | Seal, Moisture, Cross Shaft Support Tube                                                                   |
| S.I. 1459  | Sealant, Application to Bolt Threads                                                                       |
| S.I. 1125D | Sealants, Alternate Crankcase Parting Surface                                                              |
| S.I. 1324D | Seals, Crankshaft Oil                                                                                      |
| S.B. 397   | Seals, Full Flow Oil Filter                                                                                |
| S.I. 1329A | Seals, Supercharger Inlet Adapter                                                                          |
| S.I. 1092A | Seat Replacement, Valve, Tools and Procedures                                                              |
| S.I. 1316A | Seat, Oil Cooler Bypass Valve, Repair of                                                                   |
| S.B. 540   | Seat, Valve, Inspection                                                                                    |
| S.I. 1262A | Seats, Venturi, and Small Head Intake Valves                                                               |
| S.L. L293  | Senor P/N 60C28409, Air Temperature                                                                        |
| S.B. 634   | Serviceable Life, Cylinder and Head Assembly                                                               |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                                                |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.L. 273    | Service Bulletin No. 632 Customer Care Program                                                                                                       |
| S.B. 301B   | Service Limitations and Maintenance Procedures for Valves                                                                                            |
| S.L. L132   | Service Policy Regarding Lycoming Military Aircraft Engines                                                                                          |
| S.I. 1345   | Service Replacement Crankcases for Narrow Cylinder Flange Four Cylinder Engines                                                                      |
| S.B. 647    | Service Tool# ST-310, Incorrect Markings on                                                                                                          |
| S.I. 1256F  | Service Use, Alternate Valve guides for                                                                                                              |
| S.I. 1079B  | Servo Fuel Line Filters, Periodic Maintenance                                                                                                        |
| S.I. 1484C  | Servo Unit Hold Down Nuts, Carburetor or Fuel Injector, Installation Torque for Fuel Metering Device                                                 |
| S.I. 1560   | Set Screw Inspection, Propeller Governor Drive                                                                                                       |
| S.I. 1343C* | Set Screw for Propeller Governor Idler Shaft (A.D. #2015-02-07)                                                                                      |
| S.I. 1249   | Shaft Assy. And Alternator Pulley                                                                                                                    |
| S.I. 1108C  | Shaft Bearing Surfaces, Propeller, Repair (Refer to Supplement No. 1 to S.I. 1108C)                                                                  |
| S.I. 1250   | Shaft Bearing Propeller, Lubrication                                                                                                                 |
| S.I. 1208   | Shaft Bore Bushings, Magneto, Installation of                                                                                                        |
| S.I. 1366A  | Shaft Bushing Hole, Rocker, Repair Procedure for Worn                                                                                                |
| S.I. 1341*  | Shaft Lubrication, Oil Pump Idler (A.D. #96-09-10)                                                                                                   |
| S.I. 1338   | Shaft Modification, Hydraulic Pump Drive                                                                                                             |
| S.I. 1197A  | Shaft Recesses, Idler Gear, Repair                                                                                                                   |
| S.I. 1161   | Shaft, Carburetor Throttle, Modification to Prevent Leakage                                                                                          |
| S.B. 375A   | Shaft, Cross, Support Tube Moisture Seal                                                                                                             |
| S.I. 1503   | Shaft, Dowel and Accessory Drive Gear Replacement                                                                                                    |
| S.I. 1351   | Shaft, Drive, and Drive Gear, Accessory                                                                                                              |
| S.I. 1084A  | Shaft, Intermediate Supercharger Drive, and Components                                                                                               |
| S.B. 354    | Shaft, Leakage at Propeller Seal                                                                                                                     |
| S.I. 1343C* | Shaft, Propeller Governor Idler, Set Screw for (A.D. #2015-02-07)                                                                                    |
| S.I. 1156A  | Shaft, Propeller, and Pinion Cage Assembly Procedure                                                                                                 |
| S.I. 1176   | Shaft, Repair, Valve Rocker                                                                                                                          |
| S.I. 1265A  | Shaft, Serrated Throttle, and Lever                                                                                                                  |
| S.I. 1310A  | Shafts, Idler, Lockwire for                                                                                                                          |
| S.L. L247J  | Shelf Life Requirements                                                                                                                              |
| S.I. 1270A  | Shims, Alternator Mounting Bracket                                                                                                                   |
| S.I. 1277A  | Shroud Tube Retaining Components                                                                                                                     |
| S.I. 1284A  | Shroud Tube Retaining Spring Replacement                                                                                                             |
| S.B. 519    | Shroud Tube Retaining Springs, Removal of LW-14995 Before Further Flight                                                                             |
| S.I. 1347   | Shroud Tube Seal Surface, Repair of                                                                                                                  |
| S.I. 1215   | Shroud Tubes, Correct Installation for Up-Exhaust Engines                                                                                            |
| S.L. L272A  | Silicone Rocker Cover Gaskets, Release of New                                                                                                        |
| S.I. 1072   | Simmonds Fuel Injection System No. 530, Fuel Injection Nozzles                                                                                       |
| S.I. 1040A  | Simmonds Fuel Injection System No. 530, Maintenance Procedures                                                                                       |
| S.I. 1062   | Simmonds Fuel Injection System No. 570, Maintenance Procedures – Fuel Vent Return “T” Fitting                                                        |
| S.I. 1069A  | Simmonds Fuel Injection System No. 580, Procedure for Inspection & Adjustment to Regulate Fuel Flow                                                  |
| S.I. 1026   | Simmonds Model No. 580 Fuel Injector Mixture Control Installation Procedure                                                                          |
| S.I. 1407   | Simmonds Precision Bulletin No. V-1164, “Periodic Inspection & Overhaul of Injection Pumps”                                                          |
| S.B. 524*   | Sintered Iron and Aluminum Oil Pump Impellers, Replacement (Refer to Supplement No. 1 to S.B. 524) (A.D. #96-09-10)                                  |
| S.B. 577A   | Sky-TecS.B. 07-01, Rev. C, “Sky-Tec PM Model Starter Replacement”                                                                                    |
| S.B. 571    | Sky-TecS.B. 2006-3-1, “Replacement of Specified Sky-Tec Starters – Model 31B22101/149-24PM”                                                          |
| S.B. 331    | Sleeve, Inspection & Removal in Fuel Injector Lines (Rubber)                                                                                         |
| S.B. 178A   | Sleeve, Reduction Gear Housing, Repair of Worn                                                                                                       |
| S.B. 568    | Slick Aircraft Products Bulletin No. SB1-88, “Periodic Inspection of Slick Models 6320, 6324, 6360, 6361, 6363 and 6365 Pressurized Magnetos”        |
| S.B. 537*   | Slick Aircraft Products Bulletin No. SB1-98, “Mandatory Impulse Coupling Inspection of Certain 6 Cylinder Textron Lycoming Engines” (A.D. #99-04-04) |
| S.B. 637    | Slick/Champion Aerospace Service Bulletin SB1-19, Reprint of                                                                                         |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.    | Title                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------|
| S.B. 432*   | Slick Electro Bulletin No. 1-78, "Magneto/Condenser Replacement" (A.D. #78-25-01)                                         |
| S.I. 1385   | Slick Electro Bulletin No. 1-79, "Grounding for Non-Impulse Magnetos" (From 4000, 4100 to 4200 Series)                    |
| S.B. 449*   | Slick Electro Bulletin No. 1-80, "Impulse Coupling Hubs" (A.D. #80-06-05)                                                 |
| S.B. 457A   | Slick Electro Bulletin No. 1-81, "Magneto Malfunction Due to Cracking of Coil Potting Compound"                           |
| S.B. 478A   | Slick Electro Bulletin No. 1-86, "Impulse Coupling Inspection"                                                            |
| S.L. L173C  | Slick Electro Bulletin No. SB2-80C, "Magneto Maintenance & Overhaul Schedules"                                            |
| S.L. L210   | Slick Electro Bulletin No. SB1-85, "Impulse Coupling Hub Assembly Replacement Program"                                    |
| S.B. 468C   | Slick Electro Bulletin No. SB2-88A, "4200 Series Magneto Bearing Installation"                                            |
| S.I. 1357A  | Slick Electro Instructions No. 1-77, "Lag Angle Inspection" and No. 2-77, "Improved Performance"                          |
| S.L. L177A  | Slick Electro Magneto Replacement Policy                                                                                  |
| S.I. 1189   | Slick Impulse Coupling Magneto, Installation                                                                              |
| S.I. 1443S  | Slick Magnetos and Electronic Ignition System (EIS) on Lycoming Engines, Approved                                         |
| S.B. 603    | Slick Magnetos, Reprint of Slick Service Bulletin SB1-12 (point assemblies) (also refer to Supplement No. 1 of S.B. 603). |
| S.B. 622A   | Slick Magnetos, Champion Bulletin SB1-15A                                                                                 |
| S.B. 393C   | Slip Joint Modification, Exhaust                                                                                          |
| S.B. 479    | Slip Joint Modification, Exhaust, and Inspection of P/N 77429 Right Intermediate Exhaust Pipe                             |
| S.B. 521    | Slip Joints, Exhaust System, Inspection for Proper Engagement and Inspection of Marmon Flange Joint at Transition Inlet   |
| S.I. 1167   | Sludge Tube Assembly and Test                                                                                             |
| S.I. 1113A  | Sludge Tubes, Crankshaft Assy., Revised to Eliminate                                                                      |
| S.B. 645    | Small End Connecting Rod Bushing Inspection                                                                               |
| S.B. 648B   | Solenoid Valve Inspection and Cleaning, Wastegate                                                                         |
| S.B. 405    | Spacer, Turbo Strut                                                                                                       |
| S.B. 359    | Spark Plug Change                                                                                                         |
| S.L. L192B  | Spark Plug Fouling                                                                                                        |
| S.I. 1043A  | Spark Plug, Heli-Coil Insert Replacement                                                                                  |
| S.I. 1042AH | Spark Plugs, Approved                                                                                                     |
| S.L. L245   | Special Service Publication No. SSP-567, "Camshaft Regrinding"                                                            |
| S.I. 1546   | Specific Requirements for Installation and Removal of Electrical Lead on Hartzell Engine Technologies, LLC Starters       |
| S.I. 1070AB | Specified Fuels                                                                                                           |
| S.L. L171   | Spectrometric Oil Analysis, General Aspects of                                                                            |
| S.I. 1145   | Spline Drive, Modification to Incorporate Large into Accessory Drive Shaft                                                |
| S.B. 507    | Spotfaces, Missing on P/N 74218 Cylinder Head Assembly                                                                    |
| S.I. 1192A  | Spring Compressor No. ST-266 Valve                                                                                        |
| S.I. B1489C | Spring Change, Fuel Manifold                                                                                              |
| S.I. 1284A  | Spring Replacement, Shroud Tube Retaining                                                                                 |
| S.I. 1381   | Spring Seat, Upper Exhaust Valve, and Hydraulic Lifter, Replacement                                                       |
| S.B. 447B*  | Spring Seat, Upper Exhaust Valve, Inspection (A.D. #80-14-07)                                                             |
| S.B. 435*   | Spring Seat, Upper Exhaust, Replacement of Hydraulic Lifter and (Refer to No. 2 to S.B. 435) (A.D. #80-04-03)             |
| S.L. L289   | Spring Part Numbers, Valve                                                                                                |
| S.I. 1240C  | Spring, Valve, Replacement                                                                                                |
| S.I. 1383   | Starter Conversion                                                                                                        |
| S.I. 1239   | Starter Drive Assembly Replacement                                                                                        |
| S.I. 1242A  | Starter Drive Gear, Thrust Washers for                                                                                    |
| S.I. 1278   | Starter Drive Lubrication                                                                                                 |
| S.I. 1287   | Starter Drive Modification: Cold Weather Starting                                                                         |
| S.I. 1378   | Starter Drive Pin Replacement                                                                                             |
| S.I. 1546   | Starters, Electrical Lead on Hartzell Engine Technologies, Specific Requirements for Installation and Removal             |
| S.I. 1224   | Starter Modification, VO-435-B1A                                                                                          |

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| Pub. No.     | Title                                                                                                                                             |
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| S.I. 1157    | Starter Motors, Periodic Maintenance                                                                                                              |
| S.I. 1528    | Starter Recommendations, Aircraft Engine                                                                                                          |
| S.B. 486     | Starter Ring Gear Support Assemblies, Inspection of Single Belt Driven                                                                            |
| S.I. 1141A   | Starter Ring Gears, Replacement of Worn                                                                                                           |
| S.I. 1451A   | Starter, Alternator and Compressor Installation                                                                                                   |
| S.I. 1513    | Starter, Lamar Service Information Letter No. LSI-009, "Lamar Starter, P/N 2401 (Lycoming P/N 31B22207) Installed on Cessna 172 and 182 Aircraft" |
| S.I. 1461    | Starter, Lightweight, Improved Pinion for P/N 31B21064 (24V) and P/N 31A21198 (12V)                                                               |
| S.I. 1447B   | Starter, Lightweight, Installation Instructions                                                                                                   |
| S.B. 577A    | Starter, Sky-Tec S.B. 07-01, Rev. C, "Sky-Tec PM Model Starter Replacement"                                                                       |
| S.B. 571     | Starter, Sky-Tec S.B. 2006-3-1, "Replacement of Specified Sky-Tec Starters – Model 31B22101/149-24PM"                                             |
| S.I. 1154W   | Starters, FAA Approved                                                                                                                            |
| S.I. 1121    | Starters, Identification                                                                                                                          |
| S.I. 1025    | Starters, Recommended Torque Setting                                                                                                              |
| S.I. 1389    | Starting Motors, Prestolite Bulletin No. ASM-12, "Addition of Loctite Grade A"                                                                    |
| S.I. 1505    | Starting, Cold Weather                                                                                                                            |
| S.I. 1362    | Starting, Hard                                                                                                                                    |
| S.I. 1480    | Steel Push Rods, Installation                                                                                                                     |
| S.I. 1425A   | Sticking Valve, Maintenance Procedure to Reduce Possibility of                                                                                    |
| S.I. 1266    | Strap, Alternator Ground – All Engines with Prestolite                                                                                            |
| S.I. 1315A   | Strut Bracket and Clamp Installation, Turbocharger                                                                                                |
| S.I. 1173    | Stud, Intake Pipe Mounting, Replacement                                                                                                           |
| S.B. 370     | Stud, Oil Filter Attaching, Replacement                                                                                                           |
| S.B. 412B*   | Stud, Retaining, Intake and Exhaust Valve Rocker Arm (A.D. #77-20-07)                                                                             |
| S.B. 574A    | Stud Hole, Cylinder, Cross-Threaded                                                                                                               |
| S.I. 1196    | Studs, Reduction Gear Attaching, Replacement                                                                                                      |
| S.I. 1279D   | Sump Baffle Replacement, Oil                                                                                                                      |
| S.I. 1289A   | Sump, Oil and Related Parts Listing – PC-206                                                                                                      |
| S.I. 1168B   | Sump, Oil, Repair of Intake Pipe Bores                                                                                                            |
| S.I. 1295    | Supercharger Adapter Bearing, Oversize                                                                                                            |
| S.I. 1084A   | Supercharger Drive Shaft, Intermediate, and Components                                                                                            |
| S.I. 1032H   | Supercharger Impeller Assys., Parts Replacement and Dynamic Balance                                                                               |
| S.I. 1329A   | Supercharger Inlet Adapter Seals                                                                                                                  |
| S.B. 342G-1* | Supplement No. 1 to S.B. 342G (A.D. #2015-19-07)                                                                                                  |
| S.B. 342G-2* | Supplement No. 2 to S.B. 342G (A.D. #2015-19-07)                                                                                                  |
| S.B. 342G-3* | Supplement No. 3 to S.B. 342G (A.D. #2015-19-07)                                                                                                  |
| S.B. 342G-4* | Supplement No. 4 to S.B. 342G (A.D. #2015-19-07) Superseded and replaced by Supplement No. 7                                                      |
| S.B. 342G-5* | Supplement No. 5 to S.B. 342G (A.D. #2015-19-07) Superseded and replaced by Supplement No. 6                                                      |
| S.B. 342G-6* | Supplement No. 6 to S.B. 342G (A.D. #2015-19-07)                                                                                                  |
| S.B. 342G-7* | Supplement No. 7 to S.B. 342G (A.D. #2015-19-07)                                                                                                  |
| S.B. 367F-1* | Supplement No. 1 to S.B. 367F (A.D. #73-23-01)                                                                                                    |
| S.B. 373-1   | Supplement No. 1 to S.B. 373                                                                                                                      |
| S.B. 391A-1  | Supplement No. 1 to S.B. 391A                                                                                                                     |
| S.B. 392B-2  | Supplement No. 2 to S.B. 392B                                                                                                                     |
| S.B. 428-1*  | Supplement No. 1 to S.B. 428 (A.D. #78-23-10)                                                                                                     |
| S.B. 430-1*  | Supplement No. 1 to S.B. 430 (A.D. #78-23-01)                                                                                                     |
| S.B. 435-2*  | Supplement No. 2 to S.B. 435 (A.D. #80-04-03)                                                                                                     |
| S.B. 442-1*  | Supplement No. 1 to S.B. 442 (A.D. #'s 79-21-08 & 79-26-03)                                                                                       |
| S.B. 467-1*  | Supplement No. 1 to S.B. 467 (A.D. #83-22-04)                                                                                                     |
| S.B. 467-2*  | Supplement No. 2 to S.B. 467 (A.D. #83-22-04)                                                                                                     |
| S.B. 475C-1  | Supplement No. 1 to S.B. 475C (A.D. #2004-10-14)                                                                                                  |
| S.B. 477A-1  | Supplement No. 1 to S.B. 477A (A.D. #87-10-06)                                                                                                    |
| S.B. 488A-1* | Supplement No. 1 to S.B. 488A (A.D. #90-04-06)                                                                                                    |

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| S.B. 510-1    | Supplement No. 1 to S.B. 510                                                                                                                                 |
| S.B. 517-1*   | Supplement No. 1 to S.B. 517 (A.D. #94-06-09)                                                                                                                |
| S.B. 524-1*   | Supplement No. 1 to S.B. 524 (A.D. #96-09-10)                                                                                                                |
| S.B. 530B-1   | Supplement No. 1 to S.B. 530B                                                                                                                                |
| S.B. 532-2    | Supplement No. 2 to S.B. 532                                                                                                                                 |
| S.B. 543C-1*  | Supplement No. 1 to S.B. 543 (A.D. #2000-12-07)                                                                                                              |
| S.B. 547-1*   | Supplement No. 1 to S.B. 547 (A.D. #2006-10-21)                                                                                                              |
| S.B. 549-1    | Supplement No. 1 to S.B. 549                                                                                                                                 |
| S.B. 552-1*   | Supplement No. 1 to S.B. 552 (A.D. #2002-19-03)                                                                                                              |
| S.B. 553-1*   | Supplement No. 1 to S.B. 553 (A.D. #2002-19-03)                                                                                                              |
| S.B. 554-3*   | Supplement No. 3 to S.B. 554 (A.D. #2004-05-24)                                                                                                              |
| S.B. 554-4*   | Supplement No. 4 to S.B. 554 (A.D. #2004-05-24)                                                                                                              |
| S.B. 554-5*   | Supplement No. 5 to S.B. 554 (A.D. #2004-05-24)                                                                                                              |
| S.B. 566-1*   | Supplement No. 1 to S.B. 566 (A.D. #2006-06-16)                                                                                                              |
| S.B. 569A-1*  | Supplement No. 1 to S.B. 569A (A.D. #2012-19-01)                                                                                                             |
| S.B. 573-1    | Supplement No. 1 to S.B. 573                                                                                                                                 |
| S.B. 582A-1   | Supplement No. 1 to S.B. 582A                                                                                                                                |
| S.B. 603-1    | Supplement No. 1 to S.B. 603                                                                                                                                 |
| S.I. 1012L    | Counterweights and Rollers on Engine Models                                                                                                                  |
| S.I. 1029D-1  | Supplement No. 1 to S.I. 1029D                                                                                                                               |
| S.I. 1068A-1* | Supplement No. 1 to S.I. 1068A (A.D. #80-25-02)                                                                                                              |
| S.I. 1108C-1  | Supplement No. 1 to S.I. 1108C                                                                                                                               |
| S.I. 1112E-1* | Supplement No. 1 to S.I. 1112E (A.D. #'s 71-05-02, 72-21-06, and 66-06-03)                                                                                   |
| S.I. 1136A-1  | Supplement No. 1 to S.I. 1136A                                                                                                                               |
| S.I. 1236A-1  | Supplement No. 1 to S.I. 1236A                                                                                                                               |
| S.I. 1285D-1  | Supplement No. 1 to S.I. 1285D                                                                                                                               |
| S.I. 1308E-1  | Supplement No. 1 to S.I. 1308E                                                                                                                               |
| S.I. 1316A-1  | Supplement No. 1 to S.I. 1316A                                                                                                                               |
| S.I. 1377-1   | Supplement No. 1 to S.I. 1377                                                                                                                                |
| S.I. 1388C-1* | Supplement No. 1 to S.I. 1388C (A.D. #80-25-02)                                                                                                              |
| S.I. 1435-1   | Supplement No. 1 to S.I. 1435                                                                                                                                |
| S.I. 1439-1   | Supplement No. 1 to S.I. 1439                                                                                                                                |
| S.I. 1454A-1  | Supplement No. 1 to S.I. 1454A                                                                                                                               |
| S.I. 1512-1   | Supplement No. 1 to S.I. 1512                                                                                                                                |
| S.I. 1535-1   | Supplement No. 1 to S.I. 1535                                                                                                                                |
| S.I. 1029D-2  | Supplement No. 2 to S.I. 1029D                                                                                                                               |
| S.I. 1431-2   | Supplement No. 2 to S.I. 1431                                                                                                                                |
| S.I. 1448-2   | Supplement No. 2 to S.I. 1448                                                                                                                                |
| S.I. 1369     | Supply Port, Vacuum Pump Pad Oil                                                                                                                             |
| S.L. L233     | Support Assy., Better Identification of Reverse Rotation Ring Gear                                                                                           |
| S.I. 1384A    | Support Assy., Turbocharger, with Large Spools & Support Installation Instructions                                                                           |
| S.B. 342G*    | Support Clamp and Fuel Line Inspection and Installation (A.D. #2015-19-07) (Refer to Supplements No. 1, No. 2, <b>No. 3, No. 6, and No. 7 to S.B. 342G</b> ) |
| S.I. 1149     | Support Web, Crankcase Bearing, Inspection & Modification                                                                                                    |
| S.L. L229B    | Synthetic Lubricating Oil, Use of Mobil AV 1, in Textron Lycoming Reciprocating Aircraft Engines, Discontinuance                                             |
| S.B. 646A     | T-Bolt Clamp Inspection                                                                                                                                      |
| S.I. 1361     | T-Bolt Hose Clamps                                                                                                                                           |
| S.I. 1011N*   | Table of Current Tappet Bodies, Plunger Assemblies and Hydraulic Lifter Assemblies (A.D. #62-03-02)                                                          |
| S.I. 1368     | Tachometer Adapter Seal Washer and Retainer                                                                                                                  |
| S.B. 492A     | Tailpipe Installation, Redesigned V-Band Couplings for                                                                                                       |
| S.B. 531C     | Tailpipes, Inspection on TIO-540-AE2A Model Engines                                                                                                          |
| S.I. 1448     | Tailpipes, Installation of Heat Muffler Covers and (Refer to Supplement No. 2 to S.I. 1448)                                                                  |
| S.I. 1543     | Tappet P/N 15B26262, Notification Approved.                                                                                                                  |



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| S.I. 1011N*  | Tappet Bodies, Hydraulic, Table of Current (A.D. #62-03-02)                                                                                                                                    |
| S.L. L206A   | Tappet Bodies/Cam Followers, Field-Reconditioned                                                                                                                                               |
| S.I. 1334A   | Tappet Bore Repair, Crankcase                                                                                                                                                                  |
| S.I. 1068A*  | Tappet Clearance (Refer to Supplement No. 1 to S.I. 1068A) (A.D. #80-25-02)                                                                                                                    |
| S.I. 1424A   | Tappet, Hydraulic/Plunger Assy. P/N 78290, Installation Procedure                                                                                                                              |
| S.B. 424*    | Tappet Replacement, Hydraulic (A.D. #77-20-07)                                                                                                                                                 |
| S.B. 424*    | Tappet Replacement, Hydraulic (A.D. #77-20-07)                                                                                                                                                 |
| S.I. 1514D   | Tappets, Roller, Part Information Update                                                                                                                                                       |
| S.B. 402     | Tappet, Valve Clearance                                                                                                                                                                        |
| S.I. 1009BE* | TBO, Recommended Time Between Overhaul                                                                                                                                                         |
| S.B. 516A    | TCM and Bendix S-20 and S-1200 Series Impulse Coupling Magnetos, Inspection and Removal                                                                                                        |
| S.L. L190    | TCP, Use of Fuel Additive                                                                                                                                                                      |
| S.L. L271    | Technical Publications, How to Access Lycoming Digital                                                                                                                                         |
| S.B. 576     | Teledyne Continental Ignition Systems S.B. 633A, "Two-Wire Magneto Tachometer Breaker Contact (Points) Assembly Part Number 10-400507"                                                         |
| S.B. 528     | Teledyne Continental Ignition Systems S.B. SB658, "Distributor Gear Maintenance"                                                                                                               |
| S.I. 1444    | Teledyne Continental Motors Bulletin No. 630, "Revised Timing Procedures"                                                                                                                      |
| S.B. 508     | Teledyne Continental Motors Bulletin No. 639, "Proper Installation of Impulse Couplings"                                                                                                       |
| S.B. 515     | Teledyne Continental Motors Bulletin No. 643, "Maintenance Intervals for all TCM and Bendix Aircraft Magneto and Related Equipment"                                                            |
| S.B. 517*    | Teledyne Continental Motors Critical Bulletin No. CSB641, "Possible Open Condition of SC-20, -200 and -1200 Series Magneto Capacitor" (Refer to Supplement No. 1 to S.B. 517) (A.D. #94-06-09) |
| S.B. 541     | Teledyne Continental Motors Critical Bulletin No. CSB662A, "Possible Open Condition of D-3000 Series Magneto Capacitors, P/N's 10-382807, 10-382681, and 10-382681-1"                          |
| S.L. L222    | Teledyne Continental Motors Ignition Components, Warranty Repair                                                                                                                               |
| S.B. 425C*   | Teledyne Continental Motors Mandatory S.B. MSB645, "Inspection of Riveted Impulse Couplings and Stop Pins" (A.D. #78-09-07)                                                                    |
| S.I. 1470    | Teledyne Continental Motors Replacement of S-20 and S-200 Series Magnetos with SC-20 and SC-200 (Short Cover) Series Magnetos                                                                  |
| S.L. L249    | Teledyne Dual Magnetos, Interim Alternative to Address the Discontinuation of                                                                                                                  |
| S.B. 595     | Teledyne Magnetos S-20 and S-200 Series, Torque Values for Screws that Attach Ignition Harness Attachment Plate                                                                                |
| S.L. L237    | Telephone Area Code Change for Textron Lycoming, Williamsport PA                                                                                                                               |
| S.I. 1573E   | TEO-540 Engine Series Approved Engine Configurations, Lycoming                                                                                                                                 |
| S.I. 1144    | Test Stand (64765) Vertical, Use & Maintenance of 4-Lug Test Drive Assy. (74894) with                                                                                                          |
| S.B. 113     | Test Stand Installation, Dry Sump, for Lycoming Opposed Series Engines                                                                                                                         |
| S.L. L282    | Testing, Australian Fuel                                                                                                                                                                       |
| S.I. 1285F   | Testing, Non-Destructive, of Lycoming Engine Parts                                                                                                                                             |
| S.B. 518D    | Thermostatic Bypass Valves, Inspection of                                                                                                                                                      |
| S.I. 1565A   | Thermostatic Oil Cooler Bypass Valve                                                                                                                                                           |
| S.I. 1423A   | Thermostatic Oil Cooler Bypass Valve P/N 75944                                                                                                                                                 |
| S.I. 1255A   | Thermostatic Oil Cooler Bypass Valve Replacement                                                                                                                                               |
| S.B. 330B*   | Throttle Arm Screw, Carburetor, Retighten and Lockwire (A.D. #72-06-05)                                                                                                                        |
| S.B. 366C    | Throttle Body Screw, Carburetor, Inspection                                                                                                                                                    |
| S.I. 1265A   | Throttle Lever and Shaft, Serrated                                                                                                                                                             |
| S.I. 1161    | Throttle Shaft, Carburetor, Modification to Prevent Leakage                                                                                                                                    |
| S.I. 1411    | Thru-Bolt Ring – Oil Seal Application                                                                                                                                                          |
| S.I. 1123D   | Thru-Stud Locations, Installation of P/N 75302 Dowel, P/N 75302-P10 Oversized Dowel and P/N STD-2013 O-Ring Seal                                                                               |
| S.I. 1326    | Thru-Stud Spotface, Crankcase Repair                                                                                                                                                           |
| S.I. 1290F   | Thru-Stud Crankcase, Repair of Oil Leakage, Assembled and Unassembled Engines                                                                                                                  |
| S.B. 212B    | Thru-Studs (Straight), Replacing with Necked Studs                                                                                                                                             |
| S.I. 1029D   | Thru-Studs, Crankcases, Tightening Procedures for Bolts and (Refer to Supplement No. 1 and No. 2 to S.I. 1029D)                                                                                |

## Alphabetical Listing of Lycoming Service Bulletins, Letters, and Instructions

\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.     | Title                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------|
| S.B. 273A    | Thru-Studs, Modification to Incorporate Body Fit to Crankcase Center Main Bearing Support                                           |
| S.B. 272A    | Thru-Studs, Retorquing of Center Main (Lycoming P/N 68751)                                                                          |
| S.I. 1312    | Thrust Bearing Replacement, Propeller Drive (Crankcase P/N LW-13082)                                                                |
| S.I. 1356    | Thrust Bearing, Oversize, for Reduction Gear                                                                                        |
| S.B. 390A    | Thrust Bearing, Propeller (LW-12978) Inspection                                                                                     |
| S.I. 1292A   | Thrust Bearing, Stainless Steel, and Lubrication Modification                                                                       |
| S.B. 400     | Thrust Buttons, Teflon, Installation of                                                                                             |
| S.I. 1354B   | Thrust Face Repair, Crankcase                                                                                                       |
| S.I. 1242A   | Thrust Washers for Starter Drive Gear                                                                                               |
| S.B. 225B    | Thrust Washers, Valve Rocker, Replacement of                                                                                        |
| S.I. 1029D   | Tightening Procedures for Crankcase Thru-Studs and Bolts (Refer to Supplement No. 1 and No. 2 to S.I. 1029D)                        |
| S.L. L213A   | Time Between Overhaul (TBO) Extension Kit                                                                                           |
| S.I. 1009BE* | Time Between Overhaul (TBO), Recommended                                                                                            |
| S.I. 1325A   | Timing Change for IO-360 Series Engines                                                                                             |
| S.I. 1517    | Timing Change for TIO-540-AK1A Series Engines                                                                                       |
| S.I. 1437    | Timing Marks, Engine                                                                                                                |
| S.I. 1133    | Timing Procedure for S-700 Series Magnetos                                                                                          |
| S.B. 633     | TIO-540-AH1A Oil Level Gage, Gipps                                                                                                  |
| S.I. 1571    | TIO-540-AJ1A and IO-540- AC1A5, Lockplate installation for Induction Housing on                                                     |
| S.B. 406A    | Titan Fuel Pump Installation                                                                                                        |
| S.L. L232    | Tool Loaning, Discontinuance                                                                                                        |
| S.L. L234B   | Tool Rental Program                                                                                                                 |
| S.I. 1143C   | Tooling Upgrade, Counterweight Bushing Inspection and Replacement                                                                   |
| S.I. 1238B   | Torque Procedures and Assembly, V-Band Couplings                                                                                    |
| S.I. 1231    | Torque Requirements for Fuel Injector Nozzles                                                                                       |
| S.I. 1025    | Torque Setting, Recommended for Starters                                                                                            |
| S.I. 1213    | Torque Value, Increased for Connecting Rods                                                                                         |
| S.B. 595     | Torque Values for Screws that Attach Ignition Harness Attachment Plate (S-20 and S-200 Service Teledyne Continental Motors Magnetos |
| S.B. 473     | Transition Assembly, P/N LW-16863                                                                                                   |
| S.B. 491A*   | Transition Bolts, Inspection of Exhaust (A.D. #91-10-04)                                                                            |
| S.B. 395     | Transition Coupling Requirement                                                                                                     |
| S.B. 521     | Transition Inlet, Inspection of Marmon Flange Joint and Inspection of Exhaust System Slip Joints for Proper Engagement              |
| S.B. 523     | Transition Waste Gate, Replacement                                                                                                  |
| S.B. 448A*   | Transition Waste Gate Assy., Turbocharger (A.D. #80-17-10)                                                                          |
| S.I. 1388C*  | Troubleshooting of the O-235 Series Engines (Refer to Supplement No. 1 to S.I. 1388C) (A.D. #80-25-02)                              |
| S.I. 1391    | Tube Alignment, Exhaust Manifold                                                                                                    |
| S.B. 345     | Tube Assy., Modification, Oil Suction                                                                                               |
| S.I. 1167    | Tube Assy., Sludge and Test                                                                                                         |
| S.I. 1190    | Tube Modification, Exhaust Manifold                                                                                                 |
| S.B. 538A    | Tube Replacement, Air Inlet                                                                                                         |
| S.I. 1390    | Tube Replacement, Carburetor Idle                                                                                                   |
| S.I. 1399    | Tube Replacement, Turbocharger Oil Drain                                                                                            |
| S.I. 1277A   | Tube Retaining Components, Shroud                                                                                                   |
| S.I. 1284A   | Tube Retaining Spring Replacement                                                                                                   |
| S.I. 1347    | Tube Seal Surface, Shroud, Repair of                                                                                                |
| S.I. 1487    | Tube, Oil Drainback, Clearance                                                                                                      |
| S.B. 545A    | Tube, Oil Filler, Replacement                                                                                                       |
| S.B. 519     | Tube, Shroud, Retaining Springs Removal of LW-14995 Before Further Flight                                                           |
| S.B. 375A    | Tube, Support, Cross Shaft Moisture Seal                                                                                            |
| S.I. 1321    | Tubes, Oil Transfer and Supply, Propeller                                                                                           |
| S.I. 1215    | Tubes, Shroud, Correct Installation for Up-Exhaust Engines                                                                          |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                                                                        |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S.I. 1075A | Tubes, Shroud, Procedure for Removing from Top Exhaust Cylinders                                                                                             |
| S.I. 1113A | Tubes, Sludge, Crankshaft Assy. Revised to Eliminate                                                                                                         |
| S.B. 347   | Turbine Housing, Inspection & Replacement, AiResearch Bulletin No. 571-1                                                                                     |
| S.B. 329A  | Turbine Housing Inspection, AiResearch Bulletin No. TP60-0100                                                                                                |
| S.B. 591A  | Turbine Wheel Replacement, Kelly Aerospace Energy Systems Mandatory S.B. 039                                                                                 |
| S.B. 452A  | Turbo Inspection, AiResearch Bulletin No. TP60-0121                                                                                                          |
| S.B. 405   | Turbo Strut Spacer                                                                                                                                           |
| S.I. 1562  | Turbocharged Exhaust System Installation                                                                                                                     |
| S.B. 613   | Turbocharger Back Plate Assembly P/N 406795-0058, Replacement Hartzell Alert Service Bulletin No. 057                                                        |
| S.I. 1339A | Turbocharger Bracket, TIO & TIGO-541-E                                                                                                                       |
| S.B. 377   | Turbocharger Check Valve and Oil Drain Modification                                                                                                          |
| S.L. L184A | Turbocharger Control Tester Set                                                                                                                              |
| S.I. 1187J | Turbocharger Density Controller Adjustment                                                                                                                   |
| S.I. 1300  | Turbocharger Inlet Oil Pressure, Increased                                                                                                                   |
| S.B. 383   | Turbocharger Inspection, AiResearch Bulletin No. TP60-0101, "Inspection of Model T1823 Turbochargers with Stainless Steel Turbine Housings"                  |
| S.I. 1313A | Turbocharger Installation, Oil Squirt                                                                                                                        |
| S.B. 594   | Turbocharger, Hartzell Mandatory S.B. 040A Reprint                                                                                                           |
| S.I. 1431  | Turbocharger Linkage and Fuel Metering Adjustments (Refer to Supplement No. 2 to S.I. 1431)                                                                  |
| S.B. 604   | Turbocharger Model TAO411, P/N 410188-0019 Turbine Wheel Replacement (A.D. 2012-24-09), Hartzell Alert Service Bulletin No. 048                              |
| S.B. 361   | Turbocharger Modification, AiResearch Bulletin No. 1172-1A                                                                                                   |
| S.B. 420   | Turbocharger Mount Assy.                                                                                                                                     |
| S.B. 463   | Turbocharger Mounting Bracket Inspection                                                                                                                     |
| S.I. 1415A | Turbocharger Mounting Hardware, New                                                                                                                          |
| S.B. 426*  | Turbocharger Oil Drain Flange Replacement (A.D. #80-02-13)                                                                                                   |
| S.B. 534   | Turbocharger Oil Drain Tank Inspection/Replacement                                                                                                           |
| S.I. 1399  | Turbocharger Oil Drain Tube Replacement                                                                                                                      |
| S.B. 389   | Turbocharger Oil Inlet Valve Replacement                                                                                                                     |
| S.I. 1122A | Turbocharger Parts, Repair Procedures for                                                                                                                    |
| S.I. 1328  | Turbocharger Replacement, AiResearch Letter No. TP-61-0002                                                                                                   |
| S.I. 1315A | Turbocharger Strut Bracket and Clamp Installations                                                                                                           |
| S.I. 1384A | Turbocharger Support Assy., with Large Spools & Support Installation Instructions                                                                            |
| S.B. 448A* | Turbocharger Transition Wastegate Assy. (A.D. #80-17-10)                                                                                                     |
| S.I. 1449  | Turbocharger, (46A21184), Rotormaster, Installation of                                                                                                       |
| S.B. 379   | Turbocharger, AiResearch Bulletin No. TP60-0103, "Inspection of Remanufactured Waste Gate Valve Assys."                                                      |
| S.I. 1223  | Turbocharger, AiResearch Instruction No. 969-1, "Freeing Turbine Shaft"                                                                                      |
| S.I. 1416  | Turbocharger, AiResearch Letter No. TP61-0039, "Bypass Valve Modification"                                                                                   |
| S.B. 580*  | Turbocharger, Kelly Aerospace Power Systems Bulletin No. 029, "Turbocharger Exhaust Flange Inspection and/or Turbine Housing Replacement" (A.D. #2008-08-17) |
| S.B. 313B  | Turbocharger, Maintenance and Inspection                                                                                                                     |
| S.B. 408   | Turbocharger, Rajay Industries S.L. 21A, "Inspection of Turbine (Exhaust) Housing"                                                                           |
| S.I. 1286B | Turbochargers (TE0659) with Stainless Steel Housings                                                                                                         |
| S.B. 391A  | Turbocharger, AiResearch Bulletin No. TP60-0105, "Turbocharger Replacement or Modification" (Refer to Supplement No. 1 to S.B. 391A)                         |
| S.B. 531C  | Turbochargers, Inspection on TIO-540-AE2A Model Engines                                                                                                      |
| S.B. 583A  | Unison Industries MANDATORY S.B. SB2-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"                                        |
| S.B. 584B  | Unison Industries MANDATORY S.B. SB3-08, "Mandatory Inspections of all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"                                        |
| S.L. L270  | Unleaded Fuels, Extended Maintenance Intervals for Spark-Ignited Engines Operated on                                                                         |
| S.I. 1215  | Up-Exhaust Engines, Correct Installation of Shroud Tubes                                                                                                     |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------|
| S.B. 398B* | Use of Incorrect Fuel, Recommendations Regarding                                                               |
| S.L. L209A | Utilization of Textron Lycoming Piston Engine Overhaul Manuals and Parts Catalogs                              |
| S.B. 598A  | V-Band Clamp P/N LW-12125-3 and LW-12093-6 on Turbocharged Engines, Aeroquip P/N NH1008723-10 and MVT69183-225 |
| S.I. 1238B | V-Band Couplings, Assembly and Torque Procedures                                                               |
| S.B. 492A  | V-Band Couplings, Redesigned for Tailpipe Installation                                                         |
| S.I. 1369  | Vacuum Pump Pad Oil Supply Port                                                                                |
| S.B. 597   | Valve Adapter Assembly P/N LW-13807, Fuel Drain                                                                |
| S.I. 1193A | Valve Failure, Inspection in Event of                                                                          |
| S.B. 503   | Valve Guide Replacement, Exhaust, on TIO-540-AF1A Engines                                                      |
| S.I. 1256F | Valve Guides, for Service Use                                                                                  |
| S.B. 490A  | Valve Guides, Intake and Exhaust, Installation of                                                              |
| S.B. 624   | Valve Housing Cap Screw Replacement, Fuel Pump, Reprint of Hartzell SB-065                                     |
| S.I. 1483A | Valve Leak Check (Field Procedure)                                                                             |
| S.B. 328   | Valve Lifter Replacement, Limited Travel                                                                       |
| S.B. 419   | Valve Replacement, Exhaust – TO-360                                                                            |
| S.L. L181  | Valve Replacement, Intake (Service Instruction Nos. 1280D, 1262A, 1302A)                                       |
| S.I. 1255A | Valve Replacement, Thermostatic Oil Cooler Bypass                                                              |
| S.I. 1176  | Valve Rocker Shaft Repair                                                                                      |
| S.B. 225B  | Valve Rocker Thrust Washers, Replacement of                                                                    |
| S.I. 1182A | Valve Rockers, High Lift, for Improved Performance (S.L. 187) Reactivated with this Revision.                  |
| S.B. 540   | Valve Seat Inspection                                                                                          |
| S.I. 1172C | Valve Seat Repair or Replacement and Adjustable Oil Pressure Relief Valve Installation                         |
| S.I. 1092A | Valve Seat Replacement Tool and Procedures                                                                     |
| S.I. 1316A | Valve Seat, Oil Cooler Bypass, Repair of                                                                       |
| S.I. 1192A | Valve Spring Compressor No. ST-266                                                                             |
| S.L. L289  | Valve Spring Part Numbers                                                                                      |
| S.I. 1240C | Valve Spring Replacement                                                                                       |
| S.I. 1381  | Valve Spring Seat, Upper Exhaust & Hydraulic Lifter, Replacement                                               |
| S.I. 1425A | Valve Sticking, Maintenance Procedures to Reduce Possibility of                                                |
| S.L. L197A | Valve Sticking, Recommendations to Avoid                                                                       |
| S.B. 402   | Valve Tappet Clearance                                                                                         |
| S.B. 362A  | Valve, Check, Fuel Vent Line Installation                                                                      |
| S.I. 1214A | Valve, Exhaust Bypass: Reset for Critical Altitude                                                             |
| S.I. 1479A | Valve, Exhaust Guide Kit, Oil Cooler, TIO-540-AF1A                                                             |
| S.I. 1485A | Valve, Exhaust, and Guide Identification Procedure                                                             |
| S.B. 388C  | Valve, Exhaust, Guide, Procedure to Determine Condition                                                        |
| S.I. 1116C | Valve, Exhaust, Guide Clearance Modification                                                                   |
| S.I. 1200A | Valve, Exhaust, Guide, Honing During Replacement                                                               |
| S.B. 404   | Valve, Exhaust, Inspection (High Lead Fuel Operation)                                                          |
| S.I. 1430  | Valve, Exhaust, Replacement                                                                                    |
| S.I. 1268C | Valve, Exhaust, Rocker Assembly                                                                                |
| S.I. 1468A | Valve, Exhaust, Rocker Assembly                                                                                |
| S.B. 384   | Valve, Fuel Drain Check, Modification                                                                          |
| S.L. L242  | Valve, Idle, Lower, Improved in Fuel Injectors                                                                 |
| S.I. 1442A | Valve, Improved Oil Filter Bypass                                                                              |
| S.I. 1577A | Valve In-Service Data, Intake                                                                                  |
| S.B. 412B* | Valve, Intake and Exhaust, Rocker Arm Retaining Stud (A.D. #77-20-07)                                          |
| S.B. 314C* | Valve Lifter Replacement, Limited Travel (A.D. #68-08-08)                                                      |
| S.I. 1337A | Valve, Manifold Pressure Relief – TIGO-541                                                                     |
| S.I. 1293  | Valve, Manifold Pressure Relief – TIO-541                                                                      |
| S.I. 1454A | Valve, Parallel Rocker Arm Assembly Replacement Part (Refer to Supplement No. 1 to S.I. 1454A)                 |
| S.I. 1008C | Valve, Pressure Relief, Instructions for Installation                                                          |
| S.I. 1273A | Valve, Relief, Installation in Oil Pump                                                                        |

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\* - Lycoming Service Document referenced in Airworthiness Directives.

| Pub. No.   | Title                                                                                                         |
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| S.I. 1302A | Valve, Rotator Type, with Small Diameter Head                                                                 |
| S.I. 1565A | Valve, Thermostatic Oil Cooler Bypass                                                                         |
| S.I. 1423A | Valve, Thermostatic Oil Cooler Bypass, P/N 75944                                                              |
| S.B. 377   | Valve, Turbocharger Check, and Oil Drain Modification                                                         |
| S.B. 389   | Valve, Turbocharger Oil Inlet Check, Replacement                                                              |
| S.B. 447B* | Valve, Upper Exhaust Spring Seats, Inspection (A.D. #80-14-07)                                                |
| S.I. 1136A | Valves, Exhaust with ½" Diameter Stems, in Parallel Valve Cylinders (Refer to Supplement No. 1 to S.I. 1136A) |
| S.B. 502   | Valves, Intake, P/N LW-13262, Replacement, Etched with Date Code K-L                                          |
| S.I. 1280D | Valves, Intake, Rotator Type                                                                                  |
| S.B. 301B  | Valves, Maintenance Procedures and Service Limitations                                                        |
| S.I. 1262A | Valves, Small Head Intake, and Venturi Seats                                                                  |
| S.B. 518D  | Valves, Thermostatic Bypass, Inspection of                                                                    |
| S.I. 1572  | Vapor Return Fitting on Piper installation of IO-360-B4A, Plug Replacement of                                 |
| S.B. 494*  | Vent Fittings, Fuel Pump, Restricted, Installation of (A.D. #91-08-07)                                        |
| S.B. 497*  | Vent Fittings, Fuel Pump, Restricted, New, Installation in AN Drive (A.D. #91-08-07)                          |
| S.B. 487*  | Vent, Fuel Pump, Restriction (A.D. #89-15-10)                                                                 |
| S.I. 1262A | Venturi Seats and Small Head Intake Valves                                                                    |
| S.I. 1224  | VO-435-B1A, Starter and Magneto Modifications                                                                 |
| S.B. 297A* | Venturi, One Piece and Main for Marvel-Schebler MA-4-5 Carburetors (A.D. #63-22-03)                           |
| S.L. L267  | Warranty and Owner Registration via Lycoming Engines Website                                                  |
| S.L. L275A | Warranty Procedure for Exhaust System Replacement Referenced in SB627E                                        |
| S.L. L253C | Warranty repair of AVStar Fuel System                                                                         |
| S.L. L221C | Warranty Repair of Precision Fuel Control Components                                                          |
| S.L. L222  | Warranty Repair of Teledyne Continental Motors Ignition Components                                            |
| S.L. L239  | Warranty Return Parts, Preservation of                                                                        |
| S.B. 556   | Washer P/N LW-11201, Replacement                                                                              |
| S.B. 418   | Waste Gate Control Cable Rod End Replacement                                                                  |
| S.L. 288   | Wastegate Solenoid Valve, Alternate Bolt Locking of                                                           |
| S.B. 648B  | Wastegate Solenoid Valve Inspection and Cleaning                                                              |
| S.B. 523   | Waste Gate Transition, Replacement of                                                                         |
| S.L. L267  | Website, Warranty and Owner Registration via Lycoming Engines                                                 |
| S.B. 472   | Wide Cylinder Flange Crankcases, Disassembly                                                                  |
| S.L. L220C | Wide Deck Cylinder Configuration on Lycoming Engines                                                          |
| S.I. 1419  | Wiring Harness, Magneto, Modification of                                                                      |
| S.I. 1554  | Zip Strap Replacement                                                                                         |

## Numerical Listing of Active Lycoming Service Bulletins, Letters and Instructions

**NOTE: Revisions and new documents since last print are in bold.**

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113, 178A, 183A, 201F, 212B, 213A, 222D, 225B, 235A, 238, 240W, 245D, 246, 247, 253A, 258, 271A, 272A, 273A, 276, 293B, 297A, 300B, 301B, 302A, 303F, 305B, 307, 308B, 310, 311, 313B, 314C, 318B, 319B, 326A, 327C, 328, 329A, 330B, 331, 333, 334C, 337A, 340, 341, 342G, 343B, 344, 345, 347, 349, 351B, 352, 353A, 354, 356, 357, 359, 361, 362A, 363, 364A, 365, 366C, 367F, 369S, 370, 371B, 372B, 373, 374, 375A, 376, 377, 379, 380A, 382, 383, 384, 386, 387, 388C, 389, 390A, 391A, 392B, 393C, 394, 395, 397, 398B, 399A, 400, 401A, 402, 403, 404, 405, 406A, 407A, 408, 409, 410, 411D, 412B, 414, 415A, 416A, 417A, 418, 419, 420, 421, 422A, 423, 424, 425C, 426, 427A, 428, 429, 430, 431, 432, 433A, 434, 435, 436, 437, 438A, 439A, 440, 441, 442, 443, 444A, 445, 446E, 447B, 448A, 449, 450, 451, 452A, 453D, 457A, 458, 459, 460, 461, 463, 464A, 465C, 466, 467, 468C, 469, 470, 471B, 472, 473, 474, 475C, 477A, 478A, 479, 480F, 481, 482, 483, 484, 485, 486, 487, 488A, 489A, 490A, 491A, 492A, 494, 496, 497, 498B, 499C, 500A, 501B, 502, 503, 504, 505B, 506, 507, 508, 509, 510, 511, 514, 515, 516A, 517, 518D, 519, 520, 521, 522, 523, 524, 525A, 526, 527C, 528, 529B, 530B, 531C, 532, 533C, 534, 536, 537, 538A, 539A, 540, 541, 543C, 544B, 545A, 547, 548A, 549, 552, 553, 554, 555A, 556, 557, 558, 559, 561, 563, 564A, 565, 566, 568, 569A, 571, 572, 573, 574A, 576, 577A, 578, 579, 580, 581A, 582A, 583A, 584B, 585, 590A, 591A, 592, 593B, 594, 595, 596, 597, 598A, 599, 601, 603, 604, 606, 608, 612, 613, 614A, 619, 621B, 622A, 623, 624, 625, 626A, 627E, **628A**, 630A, 632B, 633, 634, 637, 639, 642A, 643, 645, **646A**, 647, **648B**, **649**, **651**, **653**.

### Service Letters:

L109, **L114BK**, L132, L142B, L147B, L150T, L154B, L156, L159D, L161C, L162B, L171, L172C, L173C, L177A, L180B, L181, L182, L183, L184A, L185B, L186, L188, L189, L190, L192B, L193, L195, L196, L197A, L200, L202B, L203, L204, L206A, L207, L208, L209A, L210, L213A, L214A, L215, L216, L218, L220C, L221C, L222, L223, L225, L226, L228, L229B, L231, L232, L233, L234B, L235A, L237, L239, L240A, L242, L245, L246, L247J, L248, L249, L250A, L251, L253C, L254, L255A, L258, L259, L261A, L262, L263, L264A, L267, L270, L271, L272A, L273, L275A, L277, L278, **L279A**, L282, L283, L284, L285, L287, L288, **L289**, **L293**.

### Service Instructions:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1016C, 1020B, 1025, 1026, 1029D, 1032H, 1037Y, 1040A, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1062, 1068A, 1069A, 1070AB, 1072, 1075A, 1076, 1079B, 1080C, 1084A, 1092A, 1094D, 1098Q, 1105B, 1108C, 1109, 1110C, 1111, 1112E, 1113A, 1116C, 1118A, 1120, 1121, 1122A, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1133, 1135A, 1136A, 1138B, 1139, 1140, 1141A, 1142B, 1143C, 1144, 1145, 1148C, 1149, 1152A, 1154W, 1156A, 1157, 1158, 1159, 1161, 1164B, 1166A, 1167, 1168B, 1169C, 1170, 1171, 1172C, 1173, 1176, 1177B, 1180B, 1181, 1182A, 1185, 1186, 1187J, 1189, 1190, 1191A, 1192A, 1193A, 1196, 1197A, 1200A, 1203, 1204D, 1205, 1206, 1208, 1209B, 1210B, 1211D, 1212, 1213, 1214A, 1215, 1216, 1218A, 1221A, 1223, 1224, 1225D, 1226, 1227, 1228A, 1230B, 1231, 1232, 1234, 1236A, 1237A, 1238B, 1239, 1240C, 1241C, 1242A, 1244, 1246B, 1247, 1248B, 1249, 1250, 1251, 1252C, 1253, 1254, 1255A, 1256F, 1257G, 1259, 1260, 1262A, 1263B, 1264, 1265A, 1266, 1267D, 1268C, 1270A, 1271A, 1273A, 1274B, 1275C, 1276, 1277A, 1278, 1279D, 1280D, 1282, 1283A, 1284A, 1285F, 1286B, 1287, 1288, 1289A, 1290F, 1291, 1292A, 1293, 1294, 1295, 1296, 1298, 1299B, 1300, 1301B, 1302A, 1304J, 1306A, 1307B, 1308E, 1309, 1310A, 1312, 1313A, 1314, 1315A, 1316A, 1320, 1321, 1323A, **1324D**, 1325A, 1326, 1327, 1328, 1329A, 1330A, 1331A, 1332, 1333, 1334A, 1335, 1337A, 1338, 1339A, 1340A, 1341, 1342, 1343C, 1344, 1345, 1346A, 1347, 1351, 1352A, 1354B, 1355, 1356, 1357A, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366A, 1367, 1368, 1369, 1370, 1373, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384A, 1385, 1386A, 1387, 1388C, 1389, 1390, 1391, 1392, 1393, 1394, 1395A, 1396, 1397A, 1398A, 1399, 1400, 1402, 1403, 1404A, 1406E, 1407, 1408C, 1409C, 1410, 1411, 1413, 1414B, 1415A, 1416, 1417, 1418, 1419, 1420A, 1421, 1422A, 1423A, 1424A, 1425A, 1427C, 1428, 1430, 1431, 1432A, 1433, 1434, 1435, 1436A, 1437, 1438A, 1439, 1442A, **1443S**, 1444, 1445, 1446, 1447B, 1448, 1449, 1451A, 1452, 1453B, 1454A, 1455, 1457A, 1458G, 1459, 1461, 1462A, 1463, 1464, 1465, 1466, 1467, 1468A, 1469, 1470, 1471, 1472, 1473, 1474, 1479A, 1480, 1481B, 1483A, 1484C, 1485A, 1486A, 1487, 1489C, 1491, 1492D, 1494, 1495, 1497A, 1498B, 1500, 1502A, 1503, 1504, 1505, 1506A, 1508C, 1509, 1510A, 1511A, 1512, 1513, 1514D, 1515, 1517, 1518, 1519A, 1520, 1521, 1522, 1523G, 1524, 1525, 1528, 1530, 1531, **1532N**, **1533E**, 1534, 1535, 1539, 1543, 1545, 1546, 1549, 1554, 1558, 1559, 1560, 1562, 1565A, 1566, 1570, 1571, 1569B, 1572, 1573E, 1575, **1577A**, 1579, 1582A, **1583**, **1585A**, 1586, 1587, **1589**.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O-235 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 222D, 235A, 238, 240W, 301B, 330B, 340, 341, 343B, 357, 359, 366C, 369S, 370, 373, 374, 376, 388C, 398B, 400, 401A, 425C, 432, 439A, 449, 453D, 457A, 458, 464A, 468C, 475C, 478A, 480F, 481, 486, 488A, 498B, 504, 508, 515, 516A, 517, 518D, 522, 524, 528, 530B, 533C, 540, 548A, 559, 572, 576, 582A, 583A, 584B, 592, 595, 601, 622A, 623, 630A, 632B, 637, 642A, 643.

INACTIVE SERVICE BULLETINS:

121, 124, 125, 128, 129, 131, 132, 133, 134, 135, 143, 151, 154, 158, 159, 160, 161, 165, 167, 171, 174, 175I, 179, 186, 194, 197, 202, 205, 207, 211, 214, 218, 226, 228, 234, 236, 242, 243, 244, 250, 264, 268, 277, 278, 286, 299, 309, 323, 355, 360, 385, 456, 495.

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ACTIVE SERVICE LETTERS:

**L114BK**, L132, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L173C, L177A, L180B, L181, L182, L183, L185B, L186, L188, L189, L190, L192B, L193, L195, L196, L197A, L200, L203, L206A, L207, L209A, L210, L213A, L214A, L215, L216, L218, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L248, L249, L250A, L251, L253C, L254, L255A, L258, L267, L272A, L273, L277, L278, L284, L285, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L108, L110, L112, L115, L116, L117, L118, L119, L120, L121, L127, L129, L131, L134, L135, L136, L145, L151, L153, L157, L160, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L227, L230, L264, L270, L271.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1012L, 1014N, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1068A, 1070AB, 1080C, 1092A, 1094D, 1098Q, 1105B, 1110C, 1111, 1121, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1139, 1141A, 1148C, 1149, 1154W, 1157, 1164B, 1172C, 1173, 1176, 1181, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1206, 1212, 1218A, 1221A, 1226, 1230B, 1237A, 1240C, 1241C, 1246B, 1253, 1256F, 1260, 1265A, 1266, 1271A, 1276, 1278, 1282, 1285F, 1294, 1301B, 1304J, 1316A, 1324D, 1327, 1332, 1334A, 1341, 1357A, 1362, 1366A, 1375, 1377, 1382, 1383, 1385, 1388C, 1389, 1393, 1400, 1409C, 1411, 1418, 1423A, 1425A, 1427C, 1433, 1435, 1437, **1443S**, 1447B, 1457A, 1458G, 1461, 1462A, 1464, 1466, 1470, 1472, 1480, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1504, 1505, 1509, 1512, 1515, 1523G, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1565A, 1566, 1569B, 1575, **1583**, 1587.

INACTIVE SERVICE INSTRUCTIONS:

1006, 1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1038, 1041, 1049, 1050, 1052, 1054, 1055, 1073, 1074, 1081, 1088, 1091, 1096, 1097, 1106, 1119, 1124, 1134, 1147, 1150, 1151, 1153, 1163, 1179, 1183, 1233, 1243, 1269, 1272, 1281, 1303, 1311, 1319, 1374, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O-290 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 235A, 238, 240W, 301B, 330B, 343B, 357, 366C, 369S, 376, 388C, 398B, 400, 401A, 425C, 439A, 464A, 466, 475C, 480F, 498B, 504, 516A, 524, 530B, 533C, 548A, 576, 582A, 583A, 584B, 592, 595, 623, 630A, 632B.

INACTIVE SERVICE BULLETINS:

121, 124, 125, 130, 135, 136, 137, 138, 143, 150, 151, 152, 154, 158, 159, 161, 162, 164, 165, 167C, 169, 171, 174, 175, 179, 186, 194, 197E, 198, 200, 202, 205, 207, 211, 214, 218, 219, 226, 228, 234, 236, 242, 243, 244, 250, 256, 264, 267, 268, 277, 278, 286, 299, 309, 323, 355, 360, 456, 495.

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ACTIVE SERVICE LETTERS:

**L114BK**, L132, L142B, L147B, L154B, L156, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L196, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L218, L220C, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L262, L264A, L267, L270, L271, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L104, L108, L110, L112, L113, L115, L116, L117, L118, L119, L120, L121, L127, L129, L131, L134, L135, L136, L145, L151, L153, L160, L164, L169, L170, L176, L179C, L187, L191, L199, L201, L205, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1029D, 1037Y, 1042AH, 1043A, 1059E, 1060U, 1068A, 1070AB, 1080C, 1092A, 1094D, 1098Q, 1105B, 1111, 1121, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1139, 1141A, 1148C, 1154W, 1157, 1164B, 1172C, 1173, 1176, 1181, 1191A, 1193A, 1197A, 1205, 1206, 1218A, 1221A, 1230B, 1240C, 1241C, 1246B, 1255A, 1256F, 1265A, 1276, 1278, 1282, 1285F, 1294, 1301B, 1304J, **1324D**, 1327, 1334A, 1341, 1366A, 1377, 1382, 1389, 1409C, 1418, 1424A, 1425A, 1427C, 1433, 1435, 1437, **1443S**, 1447B, 1458G, 1462A, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1565A, 1566, 1569B, **1583**, 1575.

INACTIVE SERVICE INSTRUCTIONS:

1007, 1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1034, 1035, 1038, 1041, 1049, 1050, 1051, 1053, 1054, 1055, 1073, 1074, 1081, 1088, 1091, 1096, 1097, 1106, 1119, 1124, 1134, 1147, 1150, 1151, 1153, 1163, 1179, 1183, 1233, 1243, 1269, 1272, 1281, 1311, 1319, 1336, 1374, 1450, 1526, 1529.



**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O, IO, AEIO, AIO, LIO-320 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 213A, 222D, 235A, 238, 240W, 253A, 258, 271A, 272A, 273A, 293B, 300B, 301B, 305B, 307, 330B, 340, 341, 342G, 343B, 357, 366C, 367F, 369S, 370, 373, 374, 376, 382, 388C, 398B, 399A, 400, 401A, 403, 404, 406A, 407A, 410, 412B, 414, 415A, 416A, 422A, 423, 424, 425C, 427A, 433A, 435, 438A, 439A, 442, 446E, 447B, 449, 457A, 458, 461, 464A, 466, 468C, 472, 475C, 477A, 478A, 480F, 486, 488A, 498B, 500A, 501B, 504, 505B, 508, 515, 516A, 517, 518D, 519, 524, 525A, 526, 527C, 528, 529B, 530B, 533C, 539A, 540, 541, 543C, 548A, 555A, 559, 565, 574A, 576, 577A, 578, 581A, 582A, 583A, 584B, 585, 592, 595, 599, 601, 603, 619, 621B, 622A, 623, 624, **628A**, 630A, 632B, 634, 637, 639, 643, 645.

INACTIVE SERVICE BULLETINS:

121, 125, 143, 151, 161, 167, 171, 174, 175, 176, 179, 185, 186, 190, 192, 193, 194, 195, 196, 197, 198, 202, 203, 204, 205, 207, 209, 211, 214, 218, 219, 226, 228, 234, 236, 242, 243, 244, 250, 254, 256, 262, 264, 265, 267, 268, 274, 277, 278, 286, 298, 299, 309, 322, 323, 355, 360, 385, 413, 456, 495, 615, 617.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L173C, L177A, L180B, L181, L182, L183, L185B, L186, L188, L189, L190, L192B, L193, L195, L197A, L200, L202B, L203, L206A, L207, L208, L209A, L210, L214A, L216, L218, L220C, L221C, L222, L223, L225, L226, L228, L229B, L232, L233, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A**, L282, **L289**.

INACTIVE SERVICE LETTERS:

L012, L103, L104, L108, L110, L112, L113, L115, L116, L117, L118, L119, L120, L121, L126, L127, L129, L131, L134, L135, L136, L141, L145, L149, L151, L153, L157, L158, L160, L164, L169, 170, L176, L178, L179, L187, L191, L199, L201, L205, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1020B, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1098Q, 1105B, 1110C, 1111, 1112E, 1113A, 1121, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1136A, 1139, 1141A, 1148C, 1154W, 1157, 1164B, 1166A, 1172C, 1173, 1176, 1181, 1189, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1206, 1218A, 1221A, 1225D, 1226, 1228A, 1230B, 1237A, 1240C, 1241C, 1249, 1253, 1255A, 1256F, 1260, 1265A, 1266, 1267D, 1270A, 1274B, 1275C, 1276, 1277A, 1278, 1282, 1285F, 1290F, 1294, 1301B, 1304J, 1310A, 1314, 1316A, **1324D**, 1327, 1332, 1334A, 1335, 1340A, 1341, 1343C, 1345, 1352A, 1354B, 1357A, 1360, 1364, 1365, 1367, 1368, 1370, 1373, 1375, 1377, 1378, 1380, 1382, 1385, 1386A, 1387, 1389, 1392, 1395A, 1397A, 1400, 1402, 1404A, 1406E, 1409C, 1414B, 1417, 1418, 1420A, 1423A, 1424A, 1425A, 1427C, 1432A, 1433, 1435, 1437, **1443S**, 1446, 1447B, 1453B, 1454A, 1457A, 1458G, 1461, 1462A, 1464, 1466, 1470, 1472, 1473, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1506A, 1509, 1511A, 1512, 1514D, 1515, 1518, 1519A, 1520, 1521, 1522, 1523G, 1528, 1530, **1533E**, 1534, 1535, 1543, 1545, 1546, 1549, 1559, 1560, 1565A, 1566, 1569B, 1575, **1583**, 1587.

INACTIVE SERVICE INSTRUCTIONS:

1007, 1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1031, 1035, 1038, 1041, 1049, 1050, 1051, 1052, 1054, 1055, 1057, 1063, 1073, 1074, 1081, 1088, 1091, 1093, 1096, 1097, 1106, 1107, 1115, 1119, 1124, 1127, 1134, 1147, 1150, 1151, 1153, 1163, 1178, 1179, 1183, 1199, 1233, 1243, 1269, 1272, 1281, 1303, 1305, 1311, 1319, 1374, 1336, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O-340 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 235A, 238, 240W, 253A, 271A, 272A, 273A, 297A, 301B, 330B, 343B, 357, 366C, 369S, 370, 388C, 398B, 401A, 425C, 439A, 464A, 466, 475C, 480F, 515, 516A, 517, 518D, 524, 528, 533C, 548A, 576, 582A, 583A, 584B, 592, 595, 623, 630A, 632B.

INACTIVE SERVICE BULLETINS:

121, 125, 143, 161, 167, 174, 175, 179, 186, 192, 194, 197, 198, 202, 205, 207, 209, 211, 214, 218, 219, 226, 228, 234, 236, 237, 242, 243, 244, 250, 254, 256, 262, 264, 265, 267, 268, 274, 277, 298, 309, 360, 495.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L218, L220C, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278.

INACTIVE SERVICE LETTERS:

L102, L103, L104, L108, L110, L112, L113, L116, L117, L118, L119, L120, L121, L127, L129, L130, L131, L134, L135, L136, L145, L151, L153, L157, L160, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L227, L230, **L289**.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1020B, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1098Q, 1105B, 1111, 1112E, 1121, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1136A, 1139, 1141A, 1148C, 1154W, 1157, 1164B, 1172C, 1173, 1176, 1181, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1206, 1218A, 1221A, 1228A, 1230B, 1240C, 1241C, 1255A, 1256F, 1265A, 1267D, 1276, 1277A, 1278, 1282, 1285F, 1294, 1301B, 1304J, 1316A, **1324D**, 1327, 1334A, 1340A 1377, 1382, 1409C, 1418, 1423A, 1424A, 1425A, 1427C, 1433, 1435, 1437, 1447B, 1454A, 1458G, 1462A, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1565A, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1007, 1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1031, 1038, 1041, 1049, 1050, 1051, 1052, 1053, 1054, 1057, 1073, 1074, 1081, 1088, 1091, 1093, 1096, 1097, 1106, 1119, 1124, 1134, 1147, 1150, 1151, 1153, 1163, 1175, 1179, 1233, 1243, 1272, 1281, 1303, 1311, 1319, 1336, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O, IO, AEIO, AIO, HO, HIO, LO, LIO, LHIO, LTO, TO, TIO-360 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 225B, 235A, 238, 240W, 271A, 272A, 273A, 297A, 301B, 302A, 305B, 307, 318B, 326A, 327C, 328, 330B, 340, 341, 342G, 343B, 347, 349, 352, 357, 363, 364A, 365, 366C, 367F, 369S, 370, 373, 374, 376, 380A, 382, 388C, 398B, 399A, 400, 401A, 402, 403, 405, 406A, 408, 409, 410, 411D, 414, 415A, 416A, 418, 419, 420, 425C, 426, 427A, 428, 429, 433A, 434, 438A, 439A, 442, 443, 446E, 447B, 449, 451, 457A, 458, 460, 461, 464A, 465C, 466, 468C, 472, 473, 475C, 477A, 478A, 480F, 483, 485, 486, 488A, 496, 497, 500A, 501B, 502, 505B, 508, 515, 516A, 517, 518D, 519, 520, 524, 525A, 526, 527C, 528, 529B, 530B, 533C, 539A, 540, 541, 543C, 548A, 549, 555A, 557, 559, 564A, 565, 566, 568, 569A, 574A, 576, 577A, 578, 581A, 582A, 583A, 584B, 585, 591A, 592, 593B, 594, 595, 596, 597, 598A, 599, 601, 603, 608, 612, 619, 621B, 622A, 623, 624, 625, 626A, **628A**, 630A, 632B, 634, 637, 639, 643, 645, 647, **651**.

INACTIVE SERVICE BULLETINS:

125, 161, 167, 175, 179, 186, 194, 197, 198, 202, 205, 207, 209, 211, 214, 218, 226, 228, 234, 236, 237, 242, 243, 244, 250, 254, 256, 259, 262, 264, 265, 267, 268, 274, 277, 278, 286, 289, 298, 299, 304, 306, 309, 322, 323, 336, 355, 348, 360, 381, 385, 396, 454, 455, 456, 495, 615, 617

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L150T, L154B, L159D, L161C, L162B, L171, L172C, L173C, L177A, L180B, L181, L182, L183, L184A, L185B, L186, L188, L189, L190, L192B, L193, L195, L197A, L200, L202B, L203, L204, L206A, L207, L208, L209A, L210, L214A, L216, L218, L220C, L221C, L222, L223, L226, L228, L229B, L232, L233, L234B, L237, L239, L240A, L242, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L259, L261A, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A**, L282, **L289**.

INACTIVE SERVICE LETTERS:

L101, L102, L103, L104, L108, L110, L112, L113, L115, L116, L117, L118, L119, L120, L121, L127, L129, L130, L131, L134, L135, L136, L140, L141, L145, L149, L151, L153, L157, L158, L160, L164, L169, L170, L175, L176, L178, L179, L187, L191, L194, L199, L201, L205, L217, L227, L230, L244.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1020B, 1029D, 1037Y, 1040A, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1072, 1076, 1080C, 1092A, 1094D, 1098Q, 1105B, 1110C, 1111, 1112E, 1113A, 1116C, 1121, 1122A, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1136A, 1139, 1141A, 1142B, 1143C, 1148C, 1152A, 1154W, 1157, 1164B, 1166A, 1168B, 1172C, 1173, 1176, 1180B, 1181, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1206, 1213, 1216, 1218A, 1221A, 1223, 1225D, 1226, 1228A, 1230B, 1237A, 1238B, 1240C, 1241C, 1253, 1255A, 1256F, 1257G, 1260, 1262A, 1263B, 1265A, 1266, 1267D, 1270A, 1274B, 1275C, 1276, 1277A, 1278, 1280D, 1282, 1284A, 1285F, 1287, 1289A, 1290F, 1294, 1299B, 1301B, 1302A, 1304J, 1307B, 1310A, 1314, 1316A, 1320, **1324D**, 1325A, 1327, 1332, 1333, 1334A, 1335, 1340A, 1341, 1343C, 1345, 1346A, 1347, 1352A, 1354B, 1357A, 1359, 1361, 1363, 1364, 1367, 1369, 1370, 1373, 1375, 1376, 1377, 1378, 1380, 1381, 1382, 1385, 1386A, 1387, 1390, 1397A, 1399, 1400, 1402, 1404A, 1406E, 1407, 1409C, 1413, 1414B, 1415A, 1417, 1418, 1419, 1420A, 1421, 1423A, 1424A, 1425A, 1427C, 1428, 1430, 1431, 1432A, 1433, 1435, 1436A, 1437, 1438A, 1442A, **1443S**, 1445, 1446, 1447B, 1449, 1452, 1453B, 1454A, 1455, 1457A, 1458G, 1459, 1461, 1462A, 1464, 1465, 1467, 1469, 1470, 1472, 1473, 1481B, 1483A, 1484C, 1485A, 1487, 1489C, 1491, 1492D, 1497A, 1498B, 1502A, 1505, 1506A, 1508C, 1509, 1510A, 1511A, 1512, 1513, 1514D, 1515, 1518, 1519A, 1520, 1521, 1522, 1523G, 1524, 1528, 1530, **1532N**, **1533E**, 1534, 1535, 1543, 1545, 1546, 1549, 1562, 1559, 1560, 1565A, 1566, 1569B, 1570A, 1571, 1572, 1573E, 1575, **1577A**, 1579, 1582A **1583**, **1585A**, 1586, 1587.

INACTIVE SERVICE INSTRUCTIONS:

1003, 1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1031, 1035, 1038, 1041, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1057, 1061, 1063, 1073, 1074, 1078, 1081, 1088, 1089, 1091, 1093, 1096, 1097, 1099, 1106, 1107, 1119, 1124, 1127, 1131, 1134, 1147, 1150, 1151, 1153, 1155, 1162, 1163, 1175, 1178, 1179, 1184, 1220, 1233, 1243, 1245, 1258, 1269, 1272, 1281, 1303, 1311, 1318, 1319, 1336, 1350, 1358, 1374, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**VO & IVO-360 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 238, 240W, 271A, 273A, 297A, 301B, 305B, 314C, 330B, 342G, 343B, 357, 366C, 369S, 376, 382, 388C, 398B, 400, 401A, 433A, 439A, 442, 464A, 466, 472, 475C, 480F, 508, 515, 516A, 524, 527C, 530B, 533C, 576, 581A, 582A, 583A, 584B, 592, 595, 623, 630A, 632B, 634.

INACTIVE SERVICE BULLETINS:

125, 167, 179, 186, 194, 197, 198, 202, 205, 207, 211, 214, 218, 226, 228, 234, 242, 243, 244, 250, 262, 267, 268, 274, 277, 278, 309, 322, 355, 360, 381, 456, 495.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L220C, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A, L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L108, L110, L112, L116, L117, L119, L120, L121, L127, L129, L130, L131, L134, L135, L136, L145, L149, L151, L153, L160, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BD, 1011N, 1012L, 1014N, 1020B, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1098Q, 1105B, 1111, 1112E, 1113A, 1121, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1139, 1141A, 1148C, 1154W, 1157, 1164B, 1166A, 1172C, 1173, 1176, 1181, 1191A, 1193A, 1197A, 1205, 1206, 1213, 1218A, 1228A, 1230B, 1240C, 1241C, 1255A, 1256F, 1265A, 1267D, 1274B, 1275C, 1277A, 1278, 1282 1285F, 1294, 1301A, 1304J, 1307B, 1314, 1316A, **1324D**, 1327, 1334A, 1335, 1340A, 1359, 1377, 1378, 1382, 1404A, 1409C, 1414B, 1418, 1423A, 1424A, 1425A, 1433, 1435, 1437, 1447B, 1454A, 1458G, 1462A, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1487, 1492D, 1505, 1509, 1512., 1518, 1519A, 1520, 1521, 1522, 1528, 1530, **1533E**, 1534, 1535, 1543, 1545, 1546, 1549, 1565A, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1010, 1015, 1017, 1019, 1021, 1022, 1023, 1031, 1038, 1041, 1050, 1053, 1054, 1055, 1063, 1073, 1074, 1081, 1088, 1091, 1093, 1096, 1097, 1106, 1119, 1124, 1127, 1134, 1147, 1150, 1153, 1163, 1175, 1178, 1179, 1233, 1243, 1269, 1272, 1281, 1311, 1319, 1336, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**IO, AEIO, & HIO-390 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 225B, 238, 240W, 271A, 301B, 342G, 357, 369S, 388C, 398B, 401A, 406A, 439A, 472, 475C, 480F, 533C, 569A, 581A, 582A, 583A, 584B, 592, 595, 603, 621B, 622A, 623, 630A, 632B, 637, 643, 645, 647.

INACTIVE SERVICE BULLETINS:

348, 602, 615, 617

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L162B, L171, L172C, L173C, L180B, L181, L192B, L193, L195, L197A, L200, L203, L206A, L209A, L216, L220C, L221C, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A, L289**.

INACTIVE SERVICE LETTERS:

L199, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1009BE, 1011N, 1012L, 1014N, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1070AB, 1076, 1080C, 1092A, 1094D, 1098Q, 1111, 1121, 1123D, 1125D, 1129D, 1130, 1132B, 1135A, 1139, 1141A, 1142B, 1143C, 1152A, 1154W, 1157, 1164B, 1172C, 1173, 1181, 1191A, 1193A, 1197A, 1200A, 1204D, 1240C, 1241C, 1256F, 1266, 1267D, 1274B, 1275C, 1278, 1285F, 1301, 1304J, 1307B, **1324D**, 1334A, 1354B, 1378, 1380, 1404A, 1409C, 1414B, 1418, 1424A, 1425A, 1427C, 1435, 1437, **1443S**, 1447B, 1457A, 1458G, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1514D, 1515, 1518, 1519A, 1528, 1530, **1532N, 1533E**, 1534, 1535, 1543, 1546, 1549, 1565A, 1566, 1569B, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1106, 1243, 1311, 1374, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**O-435 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 238, 240W, 297A, 301B, 357, 366C, 369S, 388C, 398B, 401A, 439A, 466, 475C, 480F, 533C, 582A, 583A, 584B, 592, 595, 623, 630A, 632B.

INACTIVE SERVICE BULLETINS:

124, 125, 130, 141, 148, 151, 154, 155, 161, 167, 172, 175I, 177, 179, 186, 194, 197, 198, 200, 202, 205, 207, 211, 214, 218, 226, 229, 237, 242, 243, 244, 250, 256, 267, 268, 277, 286, 299, 309, 360.

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ACTIVE SERVICE LETTERS:

**L114BK**, L132, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L209A, L214A, L216, L220C, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L108, L110, L112, L117, L118, L119, L120, L121, L122, L127, L129, L130, L131, L134, L135, L136, L145, L151, L153, L160, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L227, L230, L264, L267, L270, L271.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1025, 1029D, 1037Y, 1042AH, 1043A, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1098Q, 1111, 1112E, 1121, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1136A, 1139, 1141A, 1148C, 1154W, 1172C, 1173, 1176, 1181, 1191A, 1193A, 1197A, 1205, 1240C, 1241C, 1256F, 1265A, 1278, 1285F, 1301B, 1304J, **1324D**, 1334A, 1340A, 1377, 1409C, 1418, 1424A, 1425A, 1427C, 1435, 1437, 1447B, 1454A, 1458G, 1462A, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1015, 1017, 1018, 1021, 1022, 1023, 1035, 1038, 1041, 1052, 1054, 1073, 1081, 1088, 1091, 1097, 1106, 1124, 1134, 1147, 1150, 1163, 1175, 1233, 1243, 1311, 1319, 1336, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**GO-435 Series**

ACTIVE SERVICE BULLETINS:

113, 178A, 183A, 212B, 222D, 225B, 235A, 238, 240W, 245D, 246, 247, 297A, 301B, 319B, 343B, 357, 369S, 388C, 398B, 401A, 406A, 425C, 439A, 464A, 496, 508, 515, 516A, 528, 529B, 533C, 539A, 576, 582A, 583A, 584B, 592, 595, 623, **628A**, 630A, 632B, 647.

INACTIVE SERVICE BULLETINS:

124, 125, 130, 139, 144, 145, 147, 148, 149, 151, 154, 155, 156, 157, 161, 163, 164, 166, 167, 168, 170, 173, 175I, 177, 179, 180, 182, 184, 188, 191, 194, 197, 198, 199, 202, 205, 207, 208, 211, 214, 218, 221, 223, 226, 228, 229, 231, 236, 237, 242, 243, 244, 248, 249, 250, 254, 257, 260, 266, 267, 268, 277, 286, 290, 299.

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ACTIVE SERVICE LETTERS:

L109, **L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L262, L264A, L267, L270, L271, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L106, L108, L110, L112, L116, L117, L119, L120, L121, L122, L125, L127, L129, L130, L131, L134, L135, L136, L145, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1025, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1108C, 1112E, 1113A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1148C, 1152A, 1154W, 1156A, 1173, 1181, 1191A, 1193A, 1205, 1209B, 1210B, 1236A, 1240C, 1241C, 1256F, 1267D, 1282, 1284A, 1285F, 1296, 1301B, 1304J, 1314, 1327, 1334A, 1340A, 1347, 1356, 1377, 1380, 1382, 1404A, 1409C, 1418, 1420A, 1424A, 1425A, 1427C, 1433, 1446, 1458G, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1558, 1559, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1015, 1017, 1018, 1019, 1021, 1022, 1023, 1033, 1038, 1041, 1054, 1058, 1074, 1081, 1088, 1091, 1096, 1097, 1099, 1106, 1114, 1119, 1150, 1153, 1163, 1175, 1183, 1243, 1311, 1336, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**VO & TVO-435 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 212B, 222D, 225B, 235A, 238, 240W, 297A, 301B, 310, 313B, 314C, 330B, 343B, 345, 357, 361, 366C, 369S, 388C, 391A, 398B, 401A, 439A, 464A, 474, 480F, 483, 507, 508, 515, 516A, 528, 533C, 576, 582A, 583A, 584B, 591A, 592, 595, 598A, 623, 630A, 632B, 647.

INACTIVE SERVICE BULLETINS:

125, 147, 148, 161, 167, 175, 179, 187, 194, 197, 198, 202, 205, 207, 211, 214, 217, 218, 220, 223, 226, 227, 228, 229, 230, 236, 237, 242, 243, 244, 250, 251, 252, 261, 267, 268, 269, 277, 278, 283, 286, 294, 299, 309, 312, 316, 323, 346, 348, 360, 495.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L184A, L185B, L186, L188, L189, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L018, L110, L112, L116, L117, L119, L120, L121, L122, L123, L125, L127, L129, L130, L131, L134, L135, L136, L140, L143, L144, L145, L151, L152, L153, L155, L164, L169, L170, L175, L176, L179, L187, L191, L199, L201, L205, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1025, 1029D, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1112E, 1113A, 1116C, 1118A, 1122A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1144, 1148C, 1154W, 1157, 1161, 1169C, 1171, 1173, 1181, 1191A, 1193A, 1200A, 1203, 1204C, 1205, 1208, 1209B, 1214A, 1223, 1224, 1237A, 1238B, 1239, 1240C, 1241C, 1253, 1256F, 1259, 1264, 1265A, 1266, 1267D, 1274B, 1276, 1282, 1284A, 1285F, 1287, 1288, 1300, 1301B, 1304J, 1314, 1320, 1327, 1334A, 1347, 1365, 1375, 1377, 1382, 1409C, 1416, 1418, 1424A, 1425A, 1430, 1433, 1458G, 1462A, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1487, 1492D, 1503, 1505, 1509, 1512, 1515, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1558, 1562, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1000, 1013, 1015, 1017, 1019, 1021, 1022, 1023, 1038, 1039, 1041, 1046, 1048, 1054, 1055, 1065, 1067, 1074, 1081, 1088, 1089, 1090, 1091, 1096, 1097, 1106, 1124, 1146, 1150, 1153, 1160, 1163, 1174, 1175, 1183, 1198, 1229, 1243, 1311, 1336, 1450, 1526, 1529.



**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**GO-480 Series**

ACTIVE SERVICE BULLETINS:

113, 178A, 183A, 212B, 213A, 222D, 225B, 235A, 238, 240W, 245D, 247, 271A, 301B, 319B, 340, 341, 343B, 357, 367F, 369S, 373, 388C, 398B, 401A, 425C, 439A, 458, 464A, 496, 508, 515, 516A, 527C, 529B, 533C, 539A, 576, 582A, 583A, 584B, 592, 595, 623, **628A**, 630A, 632B, 647.

INACTIVE SERVICE BULLETINS:

125, 147, 148, 153, 161, 167, 175, 177, 179, 181, 182, 184, 187, 188, 189, 191, 194, 197, 198, 199, 202, 205, 207, 208, 209, 211, 214, 215, 216, 218, 221, 223, 226, 227, 228, 229, 230, 231, 232, 233, 236, 239, 241, 242, 243, 244, 248, 249, 250, 251, 252, 254, 255, 257, 260, 267, 268, 269, 270, 277, 278, 290, 348, 360.

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ACTIVE SERVICE LETTERS:

L109, **L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L188, L189, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L107, L108, L110, L112, L116, L117, L119, L120, L121, L122, L125, L127, L131, L134, L135, L136, L145, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1020B, 1025, 1029D, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1108C, 1112E, 1113A, 1118A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1152A, 1154W, 1156A, 1169C, 1171, 1173, 1181, 1182A, 1191A, 1193A, 1200A, 1203, 1205, 1208, 1209B, 1210B, 1225D, 1226, 1228A, 1236A, 1237A, 1240C, 1241C, 1251, 1256F, 1260, 1266, 1267D, 1276, 1282, 1284A, 1285F, 1296, 1301B, 1304J, 1314, 1327, 1332, 1334A, 1340A, 1347, 1356, 1377, 1380, 1382, 1400, 1404A, 1409C, 1418, 1424A, 1425A, 1427C, 1430, 1433, 1458G, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1515, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1559, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1005, 1013, 1015, 1017, 1018, 1019, 1023, 1027, 1028, 1030, 1033, 1038, 1041, 1054, 1055, 1058, 1074, 1081, 1083, 1096, 1097, 1099, 1106, 1114, 1117, 1119, 1124, 1150, 1153, 1163, 1183, 1243, 1311, 1450, 1526, 1529.

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Applicable to Each Engine Series**

**GSO-480 Series**

ACTIVE SERVICE BULLETINS:

113, 178A, 183A, 212B, 222D, 225B, 235A, 238, 240W, 245D, 271A, 301B, 319B, 340, 341, 343B, 357, 369S, 373, 388C, 398B, 401A, 425C, 439A, 458, 464A, 508, 515, 516A, 527C, 533C, 576, 582A, 583A, 584B, 592, 595, 623, 630A, 632B, 647.

INACTIVE SERVICE BULLETINS:

125, 147, 148, 161, 167, 175, 179, 187, 194, 197, 198, 199, 202, 205, 206, 207, 208, 209, 210, 211, 214, 215, 218, 223, 224, 226, 227, 228, 229, 230, 231, 232, 233, 236, 239, 241, 242, 243, 244, 248, 249, 250, 251, 252, 254, 255, 260, 267, 268, 269, 270, 277, 278, 290, 294, 348, 360.

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ACTIVE SERVICE LETTERS:

L109, **L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L186, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, , L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L107, L108, L110, L112, L116, L117, L119, L120, L121, L122, L125, L127, L131, L134, L135, L136, L139, L145, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1020B, 1025, 1029D, 1032H, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1084A, 1092A, 1094D, 1108C, 1112E, 1113A, 1118A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1145, 1152A, 1154W, 1156A, 1169C, 1171, 1173, 1181, 1191A, 1193A, 1200A, 1205, 1208, 1209B, 1210B, 1225D, 1226, 1228A, 1236A, 1240C, 1241C, 1256F, 1257G, 1260, 1267D, 1274B, 1276, 1282, 1284A, 1285F, 1296, 1301B, 1304J, 1314, 1327, 1329A, 1332, 1334A, 1340A, 1347, 1351, 1356, 1377, 1380, 1382, 1400, 1404A, 1409C, 1418, 1424A, 1425A, 1427C, 1430, 1433, 1458G, 1464, 1470, 1472, 1481B, 1483A, 1484C, 1485C, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1004, 1005, 1013, 1015, 1017, 1019, 1023, 1027, 1028, 1030, 1033, 1038, 1041, 1054, 1055, 1058, 1074, 1081, 1083, 1096, 1097, 1099, 1101, 1106, 1114, 1117, 1124, 1150, 1153, 1163, 1201, 1243, 1311, 1450, 1526, 1529.

**List of Service Bulletins, Letters, and Instructions  
Applicable to Each Engine Series**

**IGO & IGSO-480 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 212B, 222D, 225B, 235A, 238, 240W, 245D, 271A, 301B, 314C, 319B, 340, 341, 342G, 343B, 357, 367F, 369S, 373, 382, 388C, 398B, 401A, 425C, 431, 439A, 442, 444A, 458, 464A, 509, 527C, 529B, 533C, 581A, 582A, 583A, 584B, 592, 595, 623, 630A, 632B, 647.

INACTIVE SERVICE BULLETINS:

125, 148, 161, 167, 175, 179, 194, 197, 198, 202, 205, 207, 211, 214, 218, 224, 226, 227, 228, 242, 243, 244, 248, 249, 250, 254, 255, 260, 263, 267, 268, 269, 270, 277, 278, 290, 294, 348, 360.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L150T, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A, L289**.

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L102, L103, L107, L108, L110, L112, L116, L117, L119, L120, L121, L122, L124, L125, L127, L131, L134, L135, L136, L145, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1020B, 1025, 1029D, 1032H, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1062, 1070AB, 1076, 1080C, 1084A, 1092A, 1094D, 1108C, 1112E, 1113A, 1118A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1145, 1152A, 1154W, 1156A, 1169C, 1171, 1173, 1181, 1191A, 1193A, 1200A, 1205, 1209B, 1210B, 1225D, 1226, 1228A, 1236A, 1240C, 1241C, 1256F, 1257G, 1260, 1267D, 1274B, 1275C, 1276, 1282, 1284A, 1285F, 1296, 1301B, 1304J, 1329A, 1332, 1334A, 1340A, 1347, 1351, 1356, 1377, 1378, 1380, 1382, 1400, 1404A, 1407, 1409C, 1414B, 1418, 1424A, 1425A, 1427C, 1430, 1433, 1458G, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1518, 1519A, 1520, 1521, 1522, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1004, 1005, 1013, 1015, 1017, 1019, 1023, 1027, 1028, 1030, 1033, 1038, 1041, 1054, 1055, 1056, 1058, 1074, 1081, 1083, 1085, 1096, 1097, 1099, 1101, 1106, 1114, 1115, 1124, 1150, 1153, 1163, 1183, 1188, 1194, 1195, 1201, 1243, 1311, 1336, 1450, 1526, 1529.

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**O, IO, AEIO, TIO, LTIO-540 Series**

ACTIVE SERVICE BULLETINS:

113, 183A, 201F, 212B, 222D, 225B, 235A, 238, 240W, 271A, 273A, 276, 297A, 301B, 305B, 307, 308B, 311, 330B, 331, 340, 341, 342G, 343B, 347, 356, 357, 361, 366C, 367F, 369S, 370, 372B, 373, 374, 377, 382, 388C, 389, 392B, 398B, 399A, 400, 401A, 403, 404, 406A, 410, 414, 415A, 416A, 417A, 421, 425C, 427A, 428, 430, 433A, 436, 437, 438A, 439A, 440, 441, 442, 444A, 445, 448A, 450, 452A, 458, 459, 460, 461, 463, 464A, 466, 467, 468C, 469, 470, 472, 474, 475C, 477A, 478A, 480F, 482, 483, 484, 486, 487, 489A, 490A, 491A, 492A, 494, 496, 497, 499C, 500A, 501B, 502, 503, 506, 508, 510, 511, 514, 515, 516A, 517, 518D, 519, 520, 521, 523, 524, 525A, 526, 527C, 528, 529B, 531C, 532, 533C, 534, 536, 537, 538A, 539A, 540, 541, 543C, 544B, 545A, 547, 548, 552, 553, 554, 555A, 556, 557, 558, 559, 561, 563, 565, 566, 568, 569A, 571, 573, 574A, 576, 577A, 578, 579, 580, 581A, 582A, 583A, 584B, 590A, 591A, 592, 593B, 594, 595, 596, 597, 598A, 599, 601, 603, 604, 606, 608, 613, 614A, 621B, 623, 624, 625, 626A, 627E, **628A**, 630A, 632B, 633, 634, 637, 643, 645, **646A**, 647, **649**, **651**, **653**.

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125, 161, 167, 175I, 179, 186, 194, 197, 198, 202, 205, 207, 208, 211, 214, 218, 226, 228, 236, 237, 242, 243, 244, 248, 250, 254, 256, 262, 264, 265, 267, 268, 274, 275, 277, 278, 279, 280, 281, 285, 286, 288, 295, 298, 299, 309, 312, 317, 320, 321, 322, 323, 335, 339, 355, 348, 360, 381, 385, 456, 495, 512, 550, 602, 615, 617.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L173C, L180B, L181, L182, L183, L184A, L185B, L186, L188, L189, L190, L192B, L193, L195, L197A, L200, L202B, L203, L206A, L207, L208, L209A, L214A, L216, L218, L220C, L221C, L222, L223, L226, L228, L229B, L231, L232, L233, L234B, L235A, L237, L239, L240A, L242, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L263, L264A, L267, L270, L271, L272A, L273, L275A, L277, L278, **L279A**, L282, **L289**.

INACTIVE SERVICE LETTERS:

L101, L102, L103, L104, L105, L108, L110, L111, L112, L113, L115, L116, L117, L118, L119, L120, L121, L122, L127, L128, L129, L130, L131, L134, L135, L136, L140, L145, L149, L151, L153, L157, L160, L164, L169, L170, L175, L176, L178, L179, L187, L191, L199, L201, L205, L217, L227, L230, L244.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1016C, 1020B, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1075A, 1076, 1080C, 1092A, 1094D, 1098Q, 1110C, 1111, 1112E, 1113A, 1121, 1122A, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1135A, 1136A, 1139, 1140, 1141A, 1142B, 1143C, 1148C, 1152A, 1154W, 1157, 1164B, 1166A, 1168B, 1172C, 1173, 1176, 1177B, 1181, 1185, 1186, 1187J, 1190, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1206, 1213, 1215, 1218A, 1221A, 1223, 1225D, 1226, 1228A, 1230B, 1237A, 1238B, 1240C, 1241C, 1244, 1249, 1253, 1254, 1255A, 1256F, 1257G, 1260, 1262A, 1265A, 1266, 1267D, 1270A, 1274B, 1275C, 1276, 1277A, 1278, 1279D, 1282, 1283A, 1284A, 1285F, 1286B, 1290F, 1291, 1298, 1299B, 1301B, 1302A, 1304J, 1306A, 1307B, 1308E, 1309, 1310A, 1314, 1316A, 1320, **1324D**, 1327, 1332, 1334A, 1335, 1338, 1340A, 1341, 1342, 1343C, 1347, 1354B, 1355, 1359, 1365, 1367, 1370, 1373, 1375, 1377, 1378, 1379, 1380, 1382, 1384A, 1391, 1396, 1397A, 1398A, 1400, 1404A, 1408C, 1409C, 1410, 1413, 1414B, 1416, 1417, 1418, 1420A, 1422A, 1423A, 1424A, 1425A, 1427C, 1430, 1431, 1432A, 1433, 1435, 1437, 1438A, 1439, 1442A, **1443S**, 1446, 1447B, 1448, 1451A, 1453B, 1454A, 1457A, 1458G, 1461, 1462A, 1463, 1464, 1467, 1468A, 1469, 1470, 1471, 1472, 1473, 1474, 1479A, 1481B, 1483A, 1484C, 1485A, 1486A, 1487, 1492D, 1494, 1495, 1500, 1505, 1509, 1512, 1513, 1514D, 1515, 1517, 1518, 1519A, 1520, 1521, 1522, 1523G, 1525, , 1528, 1530, 1531, **1532N**, **1533E**, 1534, 1535, 1539, 1543, 1546, 1549, 1554, 1559, 1560, 1562, 1565A, 1566, 1569B, 1570, 1571, 1575, **1577A**, 1579, **1583**, 1587.

INACTIVE SERVICE INSTRUCTIONS:

1010, 1015, 1017, 1018, 1019, 1021, 1022, 1023, 1024, 1030, 1031, 1035, 1038, 1041, 1049, 1050, 1051, 1052, 1054, 1055, 1057, 1063, 1073, 1074, 1081, 1086, 1088, 1091, 1093, 1096, 1097, 1099, 1104, 1106, 1107, 1119, 1124, 1127, 1134, 1137, 1147, 1150, 1153, 1160, 1163, 1175, 1178, 1179, 1184, 1199, 1202, 1207, 1233, 1243, 1272, 1303, 1311, 1319, 1336, 1374, 1450, 1526, 1553, 1529.

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**IGO-540 Series**

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113, 183A, 212B, 222D, 225B, 238, 240W, 245D, 271A, 301B, 319B, 326A, 340, 341, 342G, 343B, 351B, 357, 367F, 369S, 373, 382, 388C, 398B, 401A, 425C, 439A, 442, 444A, 458, 527C, 529B, 533C, 581A, 582A, 583A, 584B, 592, 595, 623, 630A, 632B, 634, 647.

INACTIVE SERVICE BULLETINS:

125, 179, 194, 197, 198, 202, 205, 207, 211, 214, 218, 226, 228, 243, 244, 249, 250, 260, 267, 268, 270, 277, 278, 279, 288, 290, 348, 360.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L188, L189, L190, L192B, L193, L195, L197A, L200, L203, L206A, L207, L209A, L214A, L216, L221C, L222, L223, L226, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A**, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L108, L110, L112, L116, L117, L119, L120, L121, L122, L127, L131, L134, L135, L136, L138, L145, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1025, 1029D, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1070AB, 1075A, 1076, 1080C, 1092A, 1094D, 1108C, 1112E, 1113A, 1118A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1152A, 1154W, 1156A, 1158, 1169C, 1173, 1181, 1191A, 1193A, 1203, 1205, 1209B, 1210B, 1215, 1226, 1227, 1228A, 1236A, 1240C, 1241C, 1256F, 1260, 1266, 1268C, 1274B, 1275C, 1276, 1280D, 1282, 1284A, 1285F, 1296, 1301B, 1304J, 1323A, 1327, 1332, 1334A, 1340A, 1342, 1347, 1356, 1365, 1375, 1377, 1378, 1380, 1382, 1394, 1400, 1404A, 1409C, 1414B, 1418, 1423A, 1424A, 1425A, 1427C, 1430, 1433, 1458G, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1518, 1519A, 1520, 1521, 1522, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1565A, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1015, 1017, 1019, 1023, 1024, 1030, 1033, 1038, 1041, 1045, 1054, 1055, 1056, 1058, 1064, 1071, 1074, 1081, 1086, 1096, 1097, 1099, 1101, 1102, 1106, 1114, 1124, 1150, 1153, 1163, 1184, 1195, 1243, 1311, 1450, 1526, 1529.

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113, 183A, 212B, 222D, 238, 240W, 245D, 271A, 301B, 319B, 326A, 327C, 333, 340, 341, 342G, 343B, 351B, 357, 367F, 369S, 373, 388C, 398B, 401A, 425C, 431, 439A, 444A, 458, 501B, 509, 515, 517, 527C, 528, 533C, 582A, 583A, 584B, 592, 595, 623, 630A, 632B, 634, 647.

INACTIVE SERVICE BULLETINS:

125, 179, 194, 197, 198, 202, 205, 207, 211, 214, 218, 226, 228, 243, 244, 248, 249, 250, 260, 267, 268, 270, 277, 278, 282, 284, 287, 290, 294, 312, 315, 322, 360.

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ACTIVE SERVICE LETTERS:

**L114BK**, L142B, L147B, L150T, L154B, L159D, L161C, L162B, L171, L172C, L180B, L181, L182, L185B, L188, L190, L192B, L193, L195, L197A, L200, L203, L206A, L209A, L214A, L216, L221C, L222, L223, L226, L228, L229B, L232, L234B, L237, L239, L240A, L245, L246, L247J, L249, L250A, L251, L253C, L254, L255A, L258, L264A, L267, L270, L271, L272A, L273, L277, L278, **L279A**, **L289**.

INACTIVE SERVICE LETTERS:

L102, L103, L108, L110, L112, L117, L119, L120, L121, L122, L127, L131, L134, L135, L136, L137, L139, L145, L146, L149, L151, L153, L164, L169, L170, L176, L179, L187, L191, L199, L201, L205, L217, L227, L230.

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1025, 1026, 1029D, 1032H, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1069A, 1070AB, 1075A, 1076, 1079B, 1080C, 1092A, 1094D, 1108C, 1109, 1112E, 1113A, 1118A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1142B, 1143C, 1152A, 1154W, 1156A, 1158, 1159, 1169C, 1173, 1181, 1191A, 1193A, 1196, 1205, 1209B, 1210B, 1215, 1226, 1227, 1228A, 1236A, 1240C, 1241C, 1256F, 1257G, 1260, 1262A, 1267D, 1268C, 1274B, 1275C, 1276, 1280D, 1282, 1284A, 1285F, 1295, 1296, 1301B, 1302A, 1304J, 1307B, 1323A, 1327, 1329A, 1332, 1334A, 1340A, 1342, 1347, 1351, 1356, 1365, 1375, 1377, 1378, 1380, 1382, 1394, 1400, 1404A, 1407, 1409C, 1414B, 1418, 1424A, 1425A, 1427C, 1433, 1454A, 1458G, 1464, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1015, 1017, 1019, 1023, 1024, 1030, 1033, 1038, 1041, 1045, 1054, 1055, 1056, 1058, 1064, 1066, 1071, 1081, 1082, 1083, 1085, 1087, 1097, 1099, 1100, 1101, 1102, 1103, 1106, 1114, 1115, 1124, 1150, 1163, 1184, 1188, 1194, 1195, 1222, 1243, 1311, 1450, 1526, 1529.

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201F, 225B, 238, 240W, 301B, 357, 369B, 388C, 398B, 399A, 401A, 475C, 480F, 505B, 530B, 533C, 592, **646A**, 647, **648B**.

INACTIVE SERVICE BULLETINS:

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ACTIVE SERVICE LETTERS:

**L114BK**, L159D, L162B, L171, L172C, L180B, L192B, L193, L195, L197A, L200, L203, L206A, L209A, L223, L234B, L239, L246, L247J, L250A, L253C, L267, L270, L271, L272A, L277, L278, L287, L288, **L289**, **L293**.

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ACTIVE SERVICE INSTRUCTIONS:

1009BE, 1011N, 1012L, 1014N, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1098Q, 1111, 1121, 1125D, 1129D, 1130, 1135A, 1141A, 1142B, 1152A, 1154W, 1164B, 1172C, 1181, 1191A, 1193A, 1204D, 1238B, 1241C, 1255A, 1256F, 1267D, 1285F, 1290F, 1304J, 1316A, 1320, **1324D**, 1340A, 1377, 1409C, 1420A, 1422A, 1424A, 1425A, 1427C, 1458G, 1462A, 1464, 1472, 1481B, 1483A, 1485A, 1487, 1492D, 1505, 1528, 1530, 1535, 1560, 1562, 1565A, 1566, 1573E, 1575, 1582A, **1583**, **1585A**, 1586, **1589**.

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INACTIVE SERVICE BULLETINS:

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1009BE, 1011N, 1012L, 1014N, 1020B, 1029D, 1037Y, 1042AH, 1043A, 1044, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1112E, 1113A, 1116C, 1122A, 1123D, 1125D, 1126, 1130, 1132B, 1135A, 1139, 1144, 1154W, 1169C, 1173, 1181, 1191A, 1193A, 1200A, 1203, 1204C, 1205, 1209B, 1223, 1225D, 1228A, 1238B, 1240C, 1241C, 1256F, 1257G, 1267D, 1274B, 1275C, 1280D, 1282, 1284A, 1285F, 1301B, 1304J, 1307B, 1320, 1327, 1334A, 1340A, 1347, 1351, 1377, 1378, 1382, 1404A, 1409C, 1414B, 1418, 1424A, 1425A, 1433, 1458G, 1462A, 1464, 1472, 1481B, 1483A, 1484C, 1487, 1492D, 1505, 1509, 1512, 1518, 1519A, 1520, 1521, 1522, 1528, 1530, **1533E**, 1534, 1535, 1543 1546, 1549, 1562, 1566, 1575, **1583**.

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ACTIVE SERVICE INSTRUCTIONS:

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ACTIVE SERVICE INSTRUCTIONS:

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ACTIVE SERVICE INSTRUCTIONS:

1002, 1008C, 1009BE, 1011N, 1012L, 1014N, 1029D, 1037Y, 1042AH, 1043A, 1047B, 1059E, 1060U, 1070AB, 1076, 1080C, 1092A, 1094D, 1098Q, 1111, 1112E, 1113A, 1120, 1121, 1123D, 1125D, 1126, 1129D, 1130, 1132B, 1133, 1135A, 1138B, 1139, 1141A, 1142B, 1143C, 1152A, 1154W, 1157, 1164B, 1170, 1172C, 1173, 1177B, 1181, 1191A, 1193A, 1197A, 1200A, 1204D, 1205, 1215, 1221A, 1225D, 1226, 1228A, 1237A, 1240C, 1241C, 1252C, 1255A, 1256F, 1260, 1266, 1267D, 1268C, 1270A, 1274B, 1275C, 1276, 1278, 1280D, 1282, 1283A, 1284A, 1285F, 1290F, 1298, 1301B, 1304J, 1307B, 1308E, 1310A, 1316A, **1324D**, 1327, 1332, 1334A, 1340A, 1342, 1343C, 1347, 1354B, 1355, 1365, 1367, 1375, 1377, 1378, 1380, 1382, 1400, 1404A, 1409C, 1414B, 1417, 1418, 1420A, 1423A, 1424A, 1425A, 1427C, 1430, 1433, 1434, 1435, 1437, 1444, 1446, 1453B, 1457A, 1458G, 1464, 1469, 1472, 1481B, 1483A, 1484C, 1485A, 1487, 1492D, 1505, 1509, 1512, 1515, 1518, 1519A, , 1528, 1530, **1533E**, 1534, 1535, 1543, 1546, 1549, 1559, 1560, 1565A, 1566, 1575, **1583**.

INACTIVE SERVICE INSTRUCTIONS:

1015, 1017, 1023, 1038, 1041, 1050, 1054, 1073, 1081, 1088, 1097, 1099, 1106, 1124, 1128, 1134, 1150, 1163, 1165, 1179, 1184, 1233, 1243, 1303, 1311, 1319, 1336, 1450, 1526, 1529.

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| Service Letter No. L135   |                        | S.I. 1181           |                |       |
| Service Letter No. L157   |                        | S.I. 1319           |                |       |
| Service Letter No. L160   |                        | S.I. 1129C          |                |       |

## List of Supersedures

| Obsolete Document            | Document Superseded by |                     |                |                         |
|------------------------------|------------------------|---------------------|----------------|-------------------------|
|                              | Service Bulletin       | Service Instruction | Service Letter | Other                   |
| Service Letter No. L163      | S.B. 533               |                     |                |                         |
| Service Letter No. L164      |                        | S.I. 1304           |                |                         |
| Service Letter No. L169      |                        | S.I. 1070           |                |                         |
| Service Letter No. L178      |                        | S.I. 1319           |                |                         |
| Service Letter No. L179      |                        |                     |                | Current Warranty Policy |
| Service Letter No. L191      |                        |                     |                | Current Warranty Policy |
| Service Letter No. L194      |                        |                     |                | Current Warranty Policy |
| Service Letter No. L199      |                        | S.I. 1070R          |                |                         |
| Service Letter No. L201      |                        | S.I. 1009           |                |                         |
| Service Letter No. L205      |                        |                     |                | Current Warranty Policy |
| Service Letter No. L217      |                        | S.I. 1143C          |                |                         |
| Service Letter No. L227      |                        |                     | S.L. L114AP    |                         |
| Service Letter No. L244      | S.B. 569A (Sup No 1)   |                     |                |                         |
| Service Instruction No. 1013 |                        | S.I. 1169           |                |                         |
| Service Instruction No. 1023 | S.B. 369               |                     |                |                         |
| Service Instruction No. 1031 |                        | S.I. 1037           |                |                         |
| Service Instruction No. 1052 |                        | S.I. 1154           |                |                         |
| Service Instruction No. 1054 |                        |                     | S.L. L159      |                         |
| Service Instruction No. 1065 |                        | S.I. 1204           |                |                         |
| Service Instruction No. 1081 | S.B. 439               |                     |                |                         |
| Service Instruction No. 1088 | S.B. 388               |                     |                |                         |
| Service Instruction No. 1097 |                        | S.I. 1029           |                |                         |
| Service Instruction No. 1104 | S.B. 311               |                     |                |                         |
| Service Instruction No. 1106 |                        | S.I. 1458G          |                |                         |
| Service Instruction No. 1114 |                        | S.I. 1236           |                |                         |
| Service Instruction No. 1124 |                        | S.I. 1427B          |                |                         |
| Service Instruction No. 1127 | S.B. 305               |                     |                |                         |
| Service Instruction No. 1179 | S.B. 475               |                     |                |                         |
| Service Instruction No. 1184 | S.B. 439               |                     |                |                         |
| Service Instruction No. 1201 |                        | S.I. 1084           |                |                         |
| Service Instruction No. 1229 | S.B. 391               |                     |                |                         |
| Service Instruction No. 1233 |                        | S.I. 1324           |                |                         |
| Service Instruction No. 1243 |                        | S.I. 1037           |                |                         |
| Service Instruction No. 1235 | S.B. 337               |                     |                |                         |
| Service Instruction No. 1269 | S.B. 376               |                     |                |                         |
| Service Instruction No. 1272 | S.B. 381               |                     |                |                         |
| Service Instruction No. 1281 | S.B. 376               |                     |                |                         |
| Service Instruction No. 1303 |                        | S.I. 1324           |                |                         |
| Service Instruction No. 1311 |                        | S.I. 1458G          |                |                         |
| Service Instruction No. 1318 |                        | S.I. 1458G          |                |                         |
| Service Instruction No. 1319 |                        |                     |                | SSP-885                 |
| Service Instruction No. 1336 |                        | S.I. 1011J          |                |                         |
| Service Instruction No. 1350 |                        |                     |                | PC-206 Rev. 4           |
| Service Instruction No. 1358 | S.B. 420               |                     |                |                         |
| Service Instruction No. 1374 |                        | S.I. 1443G          |                |                         |
| Service Instruction No. 1450 |                        | S.I. 1458G          |                |                         |
| Service Instruction No. 1526 |                        | S.I. 1037R          |                |                         |
| Service Instruction No. 1529 |                        | S.I. 1011L          |                |                         |

## List of Inactive Lycoming Service Letters

| S.L. No.                                                | Description                                                                                                               |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| All Service Letters up to L101 are considered obsolete. |                                                                                                                           |
| L101                                                    | Recommending Lubricant for Starters, Delco-Remy Bulletin No. DR-7719                                                      |
| L102                                                    | Rapid Leak-Down Hydraulic Tappet Plunger Assemblies                                                                       |
| L103                                                    | Aviation Fuels for Lycoming Engines (See S.I. No. 1070)                                                                   |
| L104                                                    | Delco-Remy Bulletin No. DR-1023                                                                                           |
| L105                                                    | Oil Level Gage Extension                                                                                                  |
| L106                                                    | Leece-Neville E-7A Generator Installed in GO-435-C2 Aircraft Engines                                                      |
| L107                                                    | Installation of Accessory Housing Breather Assembly                                                                       |
| L108                                                    | Replacement of Piston Pin Plugs                                                                                           |
| L110                                                    | Replacement of Generator Brushes                                                                                          |
| L111                                                    | Recommended Starting Procedure                                                                                            |
| L112                                                    | Manual Mixture Control Leaning Procedure for Normally Aspirated Engines                                                   |
| L113                                                    | Propeller Flange Bushings (See S.I. No. 1098)                                                                             |
| L115                                                    | Delco-Remy Bulletin No. DR-7730                                                                                           |
| L116                                                    | Scintilla Bulletin No. 434A                                                                                               |
| L117                                                    | Installation of Cylinder Head Temperature Gage Thermocouples                                                              |
| L118                                                    | Connecting Rods for Service Use                                                                                           |
| L119                                                    | Valve Seat Replacement                                                                                                    |
| L120                                                    | Power Charts                                                                                                              |
| L121                                                    | Corrosion Prevention in New Engines (See S.L. No. L180)                                                                   |
| L122                                                    | Approval of Tungsten Breaker Assemblies                                                                                   |
| L123                                                    | Improved Engine Starting by Installation of Dual Breaker Magneto and Vibrator Coils                                       |
| L124                                                    | Replacement of Solenoid Valve Assemblies                                                                                  |
| L125                                                    | Replacement of Intake Valves at Overhaul                                                                                  |
| L126                                                    | Conversion to Low Compression Engine (See S.I. No. 1070)                                                                  |
| L127                                                    | Clarification of Overhaul Extension Periods (See S.L. No. L201A)                                                          |
| L128                                                    | Higher Ratio Starter                                                                                                      |
| L129                                                    | Proper Use of Carburetor Heat Control (See S.I. No. 1148)                                                                 |
| L130                                                    | Marvel-Schebler Bulletin No. 5-60                                                                                         |
| L131                                                    | Subscription Policy for Service Publications (See latest revision of S.L. No. L114)                                       |
| L133                                                    | Modification to Increase Overall Performance VO-540 Aircraft Engines                                                      |
| L134                                                    | Current Production Engines Incorporating Retard Breaker Magnetos                                                          |
| L135                                                    | Color Code on Cylinders for Lycoming Engines                                                                              |
| L136                                                    | Identification of Valve Springs                                                                                           |
| L137                                                    | Conduit Type Ignition Harness                                                                                             |
| L138                                                    | Overhaul and Maintenance Instructions for Ignition Harness                                                                |
| L139                                                    | Removal of Supercharger Bearing Thermocouple Supercharged Engines                                                         |
| L140                                                    | Approved Turbocharger Repair and Overhaul Facilities                                                                      |
| L141                                                    | Warranty Claims and Service on Engines with Alternator, Voltage Regulator and Associated Parts                            |
| L143                                                    | Modification of Carburetor to Eliminate Roughness at High Altitude                                                        |
| L144                                                    | Modifications to Improve Engine Starts                                                                                    |
| L145                                                    | Corrosion Prevention in New or Overhauled Engines Installed in Inactive Aircraft                                          |
| L146                                                    | Modification of Simmonds Fuel Injector to Improve Idle and Low Speed Operator IGSO-540-B1A                                |
| L148                                                    | Interchangeability of MA-6AA Carburetors                                                                                  |
| L149                                                    | Bendix Authorized Service Facilities                                                                                      |
| L151                                                    | External Oil Filters (See S.I. No. 1319)                                                                                  |
| L152                                                    | Density Control Calibration Curves                                                                                        |
| L153                                                    | Lycoming New Geared Engine Overhaul Manual (See S.L. No. L161) TVO-435 Series Helicopter Engines                          |
| L155                                                    | Modification for Improvement of Lycoming Engines in Bell Helicopters                                                      |
| L157                                                    | Engine Mounted Full Flow Oil Filter                                                                                       |
| L158                                                    | Engines with Larger Cylinder Mounting Flanges                                                                             |
| L160                                                    | Generator Belt Tension Gage                                                                                               |
| L163                                                    | Recommendations Regarding Accidental Engine Stoppage, Propeller Strike, Loss of Propeller Blade or Tip (See S.B. No. 533) |
| L164                                                    | Field Alterations of Lycoming Aircraft Engines (See S.I. No. 1304)                                                        |



### List of Inactive Lycoming Service Letters

| S.L. No. | Description                                                                              |
|----------|------------------------------------------------------------------------------------------|
| L165     | New Improved 10-171323-1 Transformer Coil Used on S-700 Magnetos                         |
| L166     | Ignition System Modernization                                                            |
| L167     | 24 Volt Starter Conversion                                                               |
| L168     | Replacement Idle Air Bypass Valve                                                        |
| L169     | Availability of Grade 91/96 Aviation Fuel (See S.I. No. 1070)                            |
| L170     | Currently Obsolete Service Bulletins, Letters and Instructions                           |
| L174     | Model 1823 Stainless Steel Turbocharger Exchange                                         |
| L175     | Density Controller Calibration Test Stand (See S.L. No. L184)                            |
| L176     | Factory Remanufactured Engine Changes to Identification                                  |
| L178     | Approved Oil Filter Element Kits and Spin-On Filters                                     |
| L179     | Policy for Pro Rata Engine Replacement (All except 4 cylinder)                           |
| L187     | Outdated Modification Provisions                                                         |
| L191     | Policy for Pro Rata Engine Replacement (4 and 6 cylinder)                                |
| L194     | Policy for Extended Warranty and Pro Rata Engine                                         |
| L198     | NOT USED                                                                                 |
| L199     | See Service Instruction No. 1070R                                                        |
| L201     | Recommended Time Between Overhaul Periods (S.I. No. 1009 Reactivated)                    |
| L205     | Warranty/Proration in Event of Stuck Exhaust Valves                                      |
| L211     | NOT USED                                                                                 |
| L212     | NOT USED                                                                                 |
| L217     | Counterweight Tooling Update Kits                                                        |
| L219     | NOT USED                                                                                 |
| L224     | NOT USED                                                                                 |
| L227A    | Parts Catalogs and Applicable SSPs and/or Revisions                                      |
| L230B    | Microfiche, Publications Available on                                                    |
| L236     | NOT USED                                                                                 |
| L238     | NOT USED                                                                                 |
| L241     | NOT USED                                                                                 |
| L244     | Revision to Appendix 1 in S.B. 569 (See S.B. No. 569A and Supplement No. 1 to S.B. 569A) |
| L252     | NOT USED                                                                                 |
| L260     | NOT USED                                                                                 |

## List of Inactive Lycoming Service Bulletins

| S.B. No.                                          | Description                                                                                   |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------|
| No. 1 thru 112, 114 thru 177, 179 thru 182, also: |                                                                                               |
| 184                                               | Modification of Reduction Gear Housing and Associated Parts                                   |
| 185                                               | Modification of Model MA-4SPA Carburetors                                                     |
| 186                                               | Approved Generator and Voltage Regulator Combinations (See S.I. No. 1154)                     |
| 187                                               | Proper Method of Installing Capsule Type Oil Filter (See S.I. No. 1169)                       |
| 188                                               | Revision of Operator's Manual                                                                 |
| 189                                               | Modification of PS-5BD Carburetors (Bendix P/N 391621-1, Lycoming P/N 69926)                  |
| 190                                               | Installation of Thermostatic Oil Cooler Bypass Valve (See S.I. No. 1008)                      |
| 191                                               | Inspection of Magneto Impulse Coupling                                                        |
| 192                                               | Installation of Vacuum Pump and Hydraulic Pump Dual Drive Kit                                 |
| 193                                               | Installation of Vacuum Pump and Propeller Governor Dual Drive Kit                             |
| 194                                               | Oil Impregnation of Rocker Assembly Bushings                                                  |
| 195                                               | Crankshaft Modifications (See S.I. No. 1098)                                                  |
| 196                                               | Conversion from 60883 Engine Mounting Bushings to Lord Bushings                               |
| 197                                               | Lubricating Oil Recommendations (See S.I. No. 1014)                                           |
| 198                                               | Inspection of Hydraulic Bodies (See S.I. No. 1011)                                            |
| 199                                               | Pre-Oiling Dry Sump Engines Prior to Initial Start (See S.I. No. 1241)                        |
| 200                                               | Alternate Piston and Ring Assemblies (See S.I. No. 1037)                                      |
| 202                                               | Valve Seat Reconditioning                                                                     |
| 203                                               | Replacement of Standard Exhaust Valves with Sodium Cooled Exhaust Valves                      |
| 204                                               | Correct Assembly of the Tachometer Shaft Centering Spacer                                     |
| 205                                               | Correct Method of Installing Cylinder Baffle                                                  |
| 206                                               | Revision of Oil Pressure Limits                                                               |
| 207                                               | Pre-Lubrication of Camshaft Assembly and Crankshaft Bearings (See S.I. No. 1059)              |
| 208                                               | Location on Crankshaft of Counterweights and Rollers (See S.I. No. 1012)                      |
| 209                                               | Tightening Cylinder Base Nuts to Correct Torque (See S.I. No. 1029)                           |
| 210                                               | Method of Correcting Fuel Dye Stains at Stud Locations in Supercharger Housing                |
| 211                                               | Method of Cylinder Base Stud Removal and Replacement                                          |
| 214                                               | Special Tools for Lycoming Aircraft Engines (See Textron Lycoming Reciprocating Tool Catalog) |
| 215                                               | Thermal Shocking Combustion Chambers                                                          |
| 216                                               | Installation of Dowels in Reduction Gear Housing                                              |
| 217                                               | Procedure for Modification of Marvel-Schebler MA-4-5 Carburetors                              |
| 218                                               | Maintenance Items for Special Attention (See S.I. No. 1080)                                   |
| 219                                               | 100 Hour Inspection of Propeller Mounting Bolts (See S.B. No. 253)                            |
| 220                                               | Modification of 69874 Hand Crank Jaw                                                          |
| 221                                               | Replacement of Heavyweight Mags (S6LN-50, -51) with Lightweight Mags (S6LN-20, -21)           |
| 223                                               | Clearance Between Valve Rocker and Cylinder Head (See S.B. No. 348)                           |
| 224                                               | Assembly of Dynamically Balanced Supercharger Parts (See S.I. No. 1032)                       |
| 226                                               | Aircraft Engine Fuels and Their Use in Lycoming Aircraft Engines (See S.I. No. 1070)          |
| 227                                               | Replacement of Ball Check Valve Retainer                                                      |
| 228                                               | Scintilla Division S.B. 395                                                                   |
| 229                                               | Discontinuance of Use of Exhaust Flange Gasket                                                |
| 230                                               | Modification of Oil Pressure and Scavenge Pump Gear                                           |
| 231                                               | Revision of Table of Limits, Reference 673 (See S.I. No. 1156)                                |
| 232                                               | Piston Modification                                                                           |
| 233                                               | Modification of Oil Ring Groove in Piston                                                     |
| 234                                               | Crankcase and Crankshaft End Clearance                                                        |
| 236                                               | Scintilla Magneto Ground Terminal Spring Modification                                         |
| 237                                               | Marvel-Schebler Model MA-4-5 and MA-4-5A Carburetor Modification                              |
| 239                                               | Modification of Right Crankcase Half and Accessory Housing                                    |
| 241                                               | Inspection of Connecting Rods                                                                 |
| 242                                               | Oil Consumption Test Limits (See S.I. No. 1124)                                               |
| 243                                               | Identification of the Various Length Push Rods Used on Lycoming Engines (See S.I. No. 1060)   |
| 244                                               | Replacement of Connecting Rod Bushings                                                        |
| 248                                               | Crankshaft Counterweight Bushings (See S.I. No. 1142)                                         |

## List of Inactive Lycoming Service Bulletins

| S.B. No. | Description                                                                                                    |
|----------|----------------------------------------------------------------------------------------------------------------|
| 249      | Replacement of Cast Counterweights with Forged Counterweights                                                  |
| 250      | Replacement of Cotter Keys with Roll Pins in Connecting Rod Bolts                                              |
| 251      | Installation of Magneto Shaft Bore Bushings (See S.I. No. 1208)                                                |
| 252      | Conversion to Large Capacity Oil Filter                                                                        |
| 254      | Modification of Cylinder Baffle Clamps                                                                         |
| 255      | Cylinder Head Fin Stabilizers                                                                                  |
| 256      | Replacement of Exhaust Valve Seats (See S.I. No. 1035)                                                         |
| 257      | Modification of Reduction Gear Assembly to Incorporate Body Fit Bolts                                          |
| 259      | Modification of Engine Oil Breather System                                                                     |
| 260      | Installation of Governor Drive Idler Shaft Bushings                                                            |
| 261      | Replacement of Oil Jet Plug and Front Oil Plug in VO-435 and VO-540 (See S.I. No. 1180)                        |
| 262      | Inspection of Oil Cooler Bypass Temperature Control Valve Assembly                                             |
| 263      | Cleaning Procedure for Fuel Injector Oil Filter                                                                |
| 264      | AC Old Type Heavyweight Fuel Pump Proper Torque (See Current Table of Limits and Torque Value Recommendations) |
| 265      | Modification of Intercylinder Baffles                                                                          |
| 266      | Replacement of Rocker Box Covers                                                                               |
| 267      | Inspection of Hydraulic Tappet Bodies, Camshaft Lobes and Hydraulic Plunger Assembly (See S.I. No. 1011)       |
| 268      | Table of Limits                                                                                                |
| 269      | Salvage of Accessory Housings and Covers Eroded at Magneto Pilots (See S.I. No. 1171)                          |
| 270      | Inspection of Cylinder Head Assemblies (See S.I. No. 1135)                                                     |
| 274      | Increase of Sodium Cooled Exhaust Valve Stem Clearance                                                         |
| 275      | Insertion of Engine Oil Dip Stick in Aero Commander Model 500                                                  |
| 277      | Lubrication of Felt Washer in S4 and S6 Magnetos                                                               |
| 278      | Scintilla S.B. No. 466-Replacement of Magneto Capacitor                                                        |
| 279      | Procedure for Cleaning Fuel Injection Nozzles (See S.I. No. 1275)                                              |
| 280      | Modification of Injection Lines                                                                                |
| 281      | Modification or Replacement of Oil Dip Stick                                                                   |
| 282      | Factory Recommended Procedures for Cleaning Fuel and Oil Filters (See S.I. No. 1109)                           |
| 283      | Modification to Improve Engine Breathing and Reduce Operating Oil Temperature                                  |
| 284      | Crankcase Inspection                                                                                           |
| 285      | Replacement of AC SR-87 Spark Plugs (See S.I. No. 1042)                                                        |
| 286      | “Long Lok” Modification to Marvel-Schebler Carburetors                                                         |
| 287      | Modification of Simmonds #580 Fuel Injector in all Aero Commander 680F                                         |
| 288      | Maintenance Recommendations for Servo Bleed Screen in Bendix RS10 Fuel Injection Systems                       |
| 289      | Sticking Exhaust Valves                                                                                        |
| 290      | Propeller Leakdown Inspection                                                                                  |
| 291      | Instructions for Replacement of Starter Drive Adapter                                                          |
| 292      | Instructions for Installation of Spring Coupling Accessory Drive                                               |
| 294      | Replacement of Intake Hose Clamps; Installation of New and Additional Primer Line Clamps                       |
| 295      | Inspection and Replacement of Oil Pump Drive Shaft                                                             |
| 296      | Connecting Rod Bolt Replacement and Rod Inspection to Preclude Failure (See S.B. No. 303)                      |
| 298      | Fuel and Oil Vent Restriction Requirement for AC Lightweight Diaphragm Fuel Pumps                              |
| 299      | Safety Wire Requirements for Marvel-Schebler Carburetors                                                       |
| 304      | Replacement of Thermostatic Oil Cooler Bypass Valves (See S.I. No. 1255)                                       |
| 306      | Bendix Aircraft Carburetor Bulletin No. 893, Rev. 1                                                            |
| 309      | Modification Effectivity for Marvel-Schebler Carburetors                                                       |
| 312      | Scintilla Division S.B. 515                                                                                    |
| 315      | Limited Travel Valve Lifter Replacement (See S.L. No. L187)                                                    |
| 316      | Replacement of Piston Pins and Plugs (See S.L. L187)                                                           |
| 317      | Replacement of Differential Pressure Controller (See S.L. No. L187)                                            |
| 320      | Fuel Injection Line Adding Support Clamps (See S.L. No. L187)                                                  |
| 321      | Fuel Line Heat Shield Installation (See S.L. No. L187)                                                         |
| 322      | Bendix Energy Controls Division Bulletin No. RS-29                                                             |
| 323      | Drain Plug Inspection for Excessive Lubrication, Marvel-Schebler Bulletin No. A1-69                            |

## List of Inactive Lycoming Service Bulletins

| S.B. No. | Description                                                                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 324      | Compressor Wheel Replacement, AiResearch Instruction No. 969-2                                                                                                  |
| 325      | Controller Linkage Rod End Replacement (See S.L. No. L187)                                                                                                      |
| 332      | Replacement of V-Band Exhaust Manifold Couplings                                                                                                                |
| 335      | Fuel Line Inspection and Support Clamp Installation (See latest revision of S.B. No. 342)                                                                       |
| 336      | Periodic Inspection and Lubrication of Magneto Distributor Bushing                                                                                              |
| 338      | Model T1879 Turbocharger Modification (See S.L. No. L187)                                                                                                       |
| 339      | Turbocharger Exhaust Systems Inspection and Modification (See S.L. No. L187)                                                                                    |
| 346      | Model TA1108 Turbocharger, AiResearch Instruction No. 1271-1 (See S.B. No. 391 and Supplement 1)                                                                |
| 348      | Clearance Between Valve Rocker and Cylinder Head                                                                                                                |
| 350      | Replacement of Torquemeter Oil Pump (See S.L. No. L187)                                                                                                         |
| 355      | Alternator Fan Replacement, Prestolite Bulletin No. ASM-8 (See S.L. No. L187)                                                                                   |
| 358      | AiResearch Industrial Division Bulletin No. 872-5 (See S.L. No. L187)                                                                                           |
| 360      | Connecting Rod Bolt Length Gage                                                                                                                                 |
| 368      | Exhaust Manifold Clamp Inspection (See S.B. No. 393)                                                                                                            |
| 378      | Exhaust Slip Joint Modification (See S.B. No. 393)                                                                                                              |
| 381      | Oil Pump Woodruff Key Drive and Impeller Replacement (See S.B. No. 524)                                                                                         |
| 385      | Oil Pump Impeller and Drive Replacement (See S.B. No. 524)                                                                                                      |
| 396      | Parts Catalog PC-106 Listing for Camshaft (Wide Cylinder Flange) (See S.I. No. 1350)                                                                            |
| 413      | Hydraulic Tappet Face Inspection (See S.B. No. 424)                                                                                                             |
| 454      | Replacement of Oil Pump Impellers (See S.B. No. 524)                                                                                                            |
| 455      | Replacement of Oil Pump Impellers (See S.B. No. 524)                                                                                                            |
| 456      | Replacement of Sintered Iron Oil Pump Impellers (See S.B. No. 524)                                                                                              |
| 462      | NOT USED                                                                                                                                                        |
| 476      | Exhaust Slip Joint Modification (See S.B. No. 479)                                                                                                              |
| 489      | Oil sump Baffle Assembly P/N LW-13383 (See S.I. 1279)                                                                                                           |
| 493      | NOT USED                                                                                                                                                        |
| 495      | Reprint of Precision Airmotive Corporation Service Bulletin MSA-1 (See S.B. No. 582A)                                                                           |
| 512      | Inspection of Marmon Flange Joint at Transition Inlet (See S.B. No. 521)                                                                                        |
| 513      | NOT USED                                                                                                                                                        |
| 535      | NOT USED                                                                                                                                                        |
| 542      | NOT USED                                                                                                                                                        |
| 546      | NOT USED                                                                                                                                                        |
| 550      | Crankshaft Replacement in Lycoming TIO and LTIO-540-Engines Rated at 300 Horsepower and Higher (See S.B. No. 552)                                               |
| 551      | NOT USED                                                                                                                                                        |
| 560      | NOT USED                                                                                                                                                        |
| 562      | NOT USED                                                                                                                                                        |
| 575      | NOT USED                                                                                                                                                        |
| 586      | NOT USED                                                                                                                                                        |
| 587      | NOT USED                                                                                                                                                        |
| 600      | NOT USED                                                                                                                                                        |
| 602      | Incorrect Part Numbers on Service Instruction No. 1098G (Superseded by S.I. 1098N)                                                                              |
| 615      | Diaphragm-Type Fuel Pump Replacement (Superseded by S.B. 621)                                                                                                   |
| 617      | Fuel pumps part number 62B26931 shipped from the factory from December 16, 2014 through January 14, 2015 not marked with "SB615" stamp (Superseded by S.B. 621) |
| 618      | Engine Start Problems Due to Drift in Magneto-to-Engine Timing (See S.L. No. L264)                                                                              |

## List of Inactive Lycoming Service Instructions

| S.I. No. | Description                                                                                                     |
|----------|-----------------------------------------------------------------------------------------------------------------|
| 1000     | Replacement of Standard Exhaust Valves with Sodium Cooled Exhaust Valves                                        |
| 1001     | Marvel Schebler S.B. 12-59 (See S.B. 237)                                                                       |
| 1003     | Marvel-Schebler S.B. 3-60                                                                                       |
| 1004     | Diffuser Pinch on Supercharged Engines                                                                          |
| 1005     | Improved Valve Seats to Minimize Seat Distortion                                                                |
| 1006     | Conversion of O-235-C Model Aircraft Engine to O-235-C1                                                         |
| 1007     | Replacement of Engine Mount Bushings                                                                            |
| 1010     | Installation of Front Crankshaft Oil Seal, All Direct Drive Engines                                             |
| 1013     | Modification of Lycoming P/N 72070 Oil Filter Assembly (See S.I. No. 1169)                                      |
| 1015     | Tightening Torque Recommendations (See Current Table of Limits and Torque Value Recommendations) (See S.B. 268) |
| 1017     | Valve Seat Reconditioning                                                                                       |
| 1018     | Correct Method for Installing Oil Pressure and Oil Suction Screens in Sump                                      |
| 1019     | Scintilla Bulletin No. 465A                                                                                     |
| 1021     | Marvel-Schebler Bulletin No. 12-60                                                                              |
| 1022     | Marvel-Schebler Bulletins Nos. 11-60 and 13-60                                                                  |
| 1023     | Inspection Requirements Following Overboost or Overspeed (See S.B. No. 369 and 592)                             |
| 1024     | Assembly of Valve Rocker Shaft Covers                                                                           |
| 1027     | Improved Piston and Ring Combination (See S.I. No. 1037)                                                        |
| 1028     | Modification of Cylinder to Incorporate Large Stem Exhaust Valve                                                |
| 1030     | Cylinder Head Fin Stabilizers                                                                                   |
| 1031     | Redesigned Piston and Ring Combination for Chrome Plated Cylinder Assemblies (See S.I. No. 1037)                |
| 1033     | Replacement of Propeller Shaft Seal Rings                                                                       |
| 1034     | Alternate Cylinder Assemblies for O-290-D Engines (See S.I. No. 1037)                                           |
| 1035     | Modifications of O.D. of Valve Seats and Height of Exhaust Valve Seats                                          |
| 1036     | Modifications Available for VO-540 Engines Installed in Hiller Helicopters                                      |
| 1038     | Torque Limit for Rocker Box Screws (See Current Table of Limits and Torque Value Recommendations)               |
| 1039     | Marvel-Schebler Bulletins Nos. A2-61 and A4-61                                                                  |
| 1041     | Special Tools for Lycoming Aircraft Engines (See Textron Lycoming Reciprocating Tool Catalog)                   |
| 1045     | Checking Dry Tappet Clearance                                                                                   |
| 1046     | Turbocharger Density Control and Bypass Valve Maintenance Procedures                                            |
| 1048     | Replacement of Carburetor Attaching Studs with Cap Screws                                                       |
| 1049     | Lightweight Diaphragm Fuel Pump for Direct Drive Engines (See S.I. No. 1110)                                    |
| 1050     | Replacement of Front Crankshaft Oil Seal                                                                        |
| 1051     | Increase Running Clearance Between Exhaust Valve Stem and Guide                                                 |
| 1052     | Approved Starters for Direct Drive Engines (See S.I. No. 1154)                                                  |
| 1053     | Installation of Redesigned Camshaft to Increase Valve Life                                                      |
| 1054     | Facilities for Chrome Plating Cylinder Barrels (See S.L. No. L159)                                              |
| 1055     | Troubleshooting Information for Scintilla S-200 and S-600 Magnetos                                              |
| 1056     | Installation of Vent Shields on S-200 and S-600 Series Magnetos                                                 |
| 1057     | Replacement of Pistons at Overhaul (See S.I. No. 1037)                                                          |
| 1058     | Replacement of Propeller Shaft Oil Seal Rings                                                                   |
| 1061     | Modification of Marvel-Schebler MA-4-5 Carburetors in Mooney and Piper Aircraft                                 |
| 1063     | Magnetic Inspection of Oil Screens (See S.I. No. 1285)                                                          |
| 1064     | Modification of Reduction Gear Housing to Install Oil Seal Rings at Magneto Drive Adapters                      |
| 1065     | Installation of Exhaust Flange Gaskets (See S.I. No. 1204)                                                      |
| 1066     | Dry Tappet Clearance                                                                                            |
| 1067     | Valve and Rocker Modifications to Prevent Valve Corrosion                                                       |
| 1071     | Procedure for Tightening and Modification to Strengthen Connecting Rod Bolts                                    |
| 1073     | Installation of Crankshaft Oil Seal Retaining Plate Safety Kit                                                  |
| 1074     | Scintilla Bulletin No. 480                                                                                      |

## List of Inactive Lycoming Service Instructions

| S.I. No. | Description                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------|
| 1077     | Modification to Replace Connecting Rod Bolts                                                          |
| 1078     | Modification to Improve Operating and Starting Hughes 269A Helicopters                                |
| 1081     | Inspection of Connecting Rods for Galling (See S.B. No. 430)                                          |
| 1082     | Modification of Fitting and Hoses on Flowmeter Modulator and Nozzle Assembly                          |
| 1083     | Replacement of Pistons (See S.I. No. 1037)                                                            |
| 1085     | Modification to Secure Throttle Levers                                                                |
| 1086     | Fuel System Conversion of IO-540-B1A5 and IGO-540-B1A                                                 |
| 1087     | Installation of Fuel Pressure Regulator and Provision of Overboard Vent                               |
| 1088     | Inspection Procedure to Determine Exhaust Valve Wear (See S.B. No. 388)                               |
| 1089     | Carbon Removal (Decoking) from Turbochargers                                                          |
| 1090     | Modification to Turbocharger Exhaust Support to Prevent Chafing of Crankcase Assembly                 |
| 1091     | Viton Tip Carburetor Float Valve Assembly                                                             |
| 1093     | Rubber Cushioned Starter Drive Kit                                                                    |
| 1095     | Improved Dual Carburetor Throttle Linkage                                                             |
| 1096     | Scintilla Bulletins Nos. 484, 487, 488, 494                                                           |
| 1097     | Increased Torque Value for ½” Cylinder Hold-Down Nuts (See S.I. No. 1029)                             |
| 1099     | Crankshaft Counterweight Bushing Identification Symbol                                                |
| 1100     | Inspection of Reduction Gear Housing and Replacement of Gasket and Attaching Studs                    |
| 1101     | Scintilla Bulletin No. 491                                                                            |
| 1102     | Modification to Accessory Housing Breather Tube and Plate Assembly                                    |
| 1103     | Modification to Fuel Injector Automatic Mixture Control Assembly                                      |
| 1104     | Inspection and Replacement of Magneto Drive Gears and Cushion Retainers (See S.B. No. 311)            |
| 1106     | Connecting Rod Bolt Nut Crimping Requirements (Superseded by S.I. 1458G)                              |
| 1107     | Modification of Fuel Pump Vent Lines                                                                  |
| 1114     | Repair Procedures for Worn Reduction Gear Pinion Cage (See S.I. No. 1236)                             |
| 1115     | Rubber Strike-Through on Wire Braided Hose                                                            |
| 1117     | Field Modification Permit Use of Body Fit Bolts in Flanged Reduction Gear Units                       |
| 1119     | Shielded Ignition Cable                                                                               |
| 1124     | Oil Consumption Test Limits (See S.I. No. 1427C)                                                      |
| 1127     | Bendix RS Fuel Injection Bulletin No. 18 (See S.B. 305)                                               |
| 1128     | Vented Rocker Boxes and Tappet Vent Plugs                                                             |
| 1131     | Modification to Incorporate Fuel Divider Rosette                                                      |
| 1134     | Delco-Remy Bulletin No. DR-7269                                                                       |
| 1137     | Accessory Housing Modification to Incorporate Outboard Crankshaft Idler Gear Shaft Support (S.L. 187) |
| 1146     | Turbocharger Exhaust System (S.L. 187)                                                                |
| 1147     | Improved Rocker Box Gaskets and Attaching Screws                                                      |
| 1150     | Removal of Lockwire, Pal Nuts and Lockwashers from Cylinder Base Nuts                                 |
| 1151     | Enlarged Oil Passage Hole in Sump Gasket                                                              |
| 1153     | Avco Lycoming Five Millimeter Ignition Harness                                                        |
| 1155     | Fuel Injector Line Support Bracket (See latest revision of S.B. No. 342) (S.L. 187)                   |
| 1160     | Turbocharger Compressor Clamp Replacement                                                             |
| 1162     | Intake Pipe Replacement                                                                               |
| 1163     | Scintilla Bulletin No. 518                                                                            |
| 1165     | Scintilla Bulletin No. 522                                                                            |
| 1174     | Installation of Lightweight Turbocharger (S.L. 187)                                                   |
| 1175     | Carburetor Float Valve Clip Replacement                                                               |
| 1178     | Bendix Fuel Injection Bulletin No. 23                                                                 |
| 1179     | Inspection and Repair of Gear Assembly and Crankshaft (See S.B. No. 475)                              |
| 1183     | New Connecting Rod Bolt with Increased Torque Limit                                                   |
| 1184     | Repair of High Performance Connecting Rods (See S.B. No. 439)                                         |
| 1188     | Bendix Fuel Injection Bulletin No. 22, Rev. 2                                                         |

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| S.I. No. | Description                                                                                     |
|----------|-------------------------------------------------------------------------------------------------|
| 1194     | Bendix Fuel Injection Bulletin No. RS-25                                                        |
| 1195     | Slow Leak-Down Hydraulic Tappet Plunger Assemblies (S.L. 187)                                   |
| 1198     | Resetting Density Controller and Exhaust Bypass Valve                                           |
| 1199     | Bendix Fuel Injection Bulletin No. RS-24                                                        |
| 1201     | Accessory Housing Modification to Accommodate New Drive Shaft (See S.I. No.1084)                |
| 1202     | Inspection and Modification of Exhaust Bypass Valve Housing                                     |
| 1207     | Increased Torque for Impulse Coupling Magneto Drive Gear Nut                                    |
| 1217     | NOT USED                                                                                        |
| 1219     | NOT USED                                                                                        |
| 1220     | Bendix SpecialS.B. SSB-316                                                                      |
| 1222     | Throttle Lever Stop Plate Assembly                                                              |
| 1229     | AiResearch Instruction No. 270-1 (See S.B. No. 391)                                             |
| 1233     | Front Crankshaft Oil Seal Installation (See S.I. No. 1324)                                      |
| 1235     | Oil Filter Sealant and Torque Application (See S.B. No. 337)                                    |
| 1243     | Piston Identification and Inspection (See Overhaul Manual and the latest revision of S.I. 1037) |
| 1245     | Bendix Bulletin No. RS-36                                                                       |
| 1258     | Crankcase P/N Listing: Catalog PC-206; IO-360 Series Engines                                    |
| 1261     | Sealing Oil Supply Ports                                                                        |
| 1269     | Bendix Bulletin No. 556 (See S.B. No. 376)                                                      |
| 1272     | Hardened Oil Pump Impeller (See S.B. No. 524)                                                   |
| 1281     | Bendix Bulletin No. 556 (See S.B. No. 376)                                                      |
| 1297     | Cylinder Modification for Shroud Tubes with Helical Spring Retention                            |
| 1303     | Solid Ring Oil Seal Installation (See S.I. No. 1324)                                            |
| 1305     | Carburetor Nozzle Replacement – O-320-E2A, -E2D, -E2G, -E3D (Kit obsolete)                      |
| 1311     | Oversize Connecting Rod Bolts (Superseded by S.I. 1458G)                                        |
| 1317     | NOT USED                                                                                        |
| 1318     | Strengthened Connecting Rod Bolts (Superseded by S.I. 1458G)                                    |
| 1319     | Engine Mounted Oil Filter Kits and Replacement Filters (See latest revision of SSP-885)         |
| 1322     | NOT USED                                                                                        |
| 1336     | Tappet Body Identification (See Service Instruction No. 1011J)                                  |
| 1348     | NOT USED                                                                                        |
| 1349     | NOT USED                                                                                        |
| 1350     | HIO-360-D1A, Redesigned Camshaft                                                                |
| 1353     | NOT USED                                                                                        |
| 1358     | Turbocharger Mount Bushings (See S.B. No. 420)                                                  |
| 1371     | NOT USED                                                                                        |
| 1372     | NOT USED                                                                                        |
| 1374     | Slick Magnetos (See S.I. No. 1443G)                                                             |
| 1401     | NOT USED                                                                                        |
| 1405     | NOT USED                                                                                        |
| 1412     | NOT USED                                                                                        |
| 1426     | NOT USED                                                                                        |
| 1429     | NOT USED                                                                                        |
| 1440     | NOT USED                                                                                        |
| 1450     | Connecting Rod Bolts (See S.I. 1458G)                                                           |
| 1456     | NOT USED                                                                                        |
| 1460     | NOT USED                                                                                        |
| 1475     | NOT USED                                                                                        |
| 1476     | NOT USED                                                                                        |
| 1477     | NOT USED                                                                                        |
| 1478     | NOT USED                                                                                        |

**List of Inactive Lycoming Service Instructions**

| <b>S.I. No.</b> | <b>Description</b>                                                       |
|-----------------|--------------------------------------------------------------------------|
| 1482            | NOT USED                                                                 |
| 1488            | NOT USED                                                                 |
| 1490            | NOT USED                                                                 |
| 1493            | NOT USED                                                                 |
| 1496            | NOT USED                                                                 |
| 1499            | NOT USED                                                                 |
| 1501            | NOT USED                                                                 |
| 1507            | NOT USED                                                                 |
| 1557            | NOT USED                                                                 |
| 1516            | NOT USED                                                                 |
| 1526            | New Piston Part Numbers (See S.I. 1037)                                  |
| 1527            | NOT USED                                                                 |
| 1529            | Hydraulic Lifter and Tappet Body Part Numbers (Superseded by S.I. 1011L) |
| 1536            | NOT USED                                                                 |
| 1537            | NOT USED                                                                 |
| 1538            | NOT USED                                                                 |
| 1541            | NOT USED                                                                 |
| 1542            | NOT USED                                                                 |
| 1544            | NOT USED                                                                 |
| 1547            | NOT USED                                                                 |
| 1548            | NOT USED                                                                 |
| 1550            | NOT USED                                                                 |
| 1551            | NOT USED                                                                 |
| 1553            | Additional Cylinder Fin Stabilizer                                       |
| 1555            | NOT USED                                                                 |
| 1556            | NOT USED                                                                 |
| 1557            | NOT USED                                                                 |