

Service Bulletins Letters and Instructions

INDEX

SSP-109

November 2009

LYCOMING
A Textron Company

652 Oliver Street
Williamsport, PA 17701
570/323-6181

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Service Bulletins, Letters and Instructions Index

Lycoming Part Number: SSP-109

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NOTE

In addition to the operator’s manuals, overhaul manuals, and parts catalogs that are published for the various models of Lycoming engines; 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, and are readily identified by the mandatory heading printed in red.

Service Bulletins, Letters and Instructions are available from authorized Lycoming distributors, or from the factory. The latest revision of Service Letter No. L114 describes the subscription policy regarding these publications.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
S.I. 1110C	AC Fuel Pumps, Replacement
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S.I. 1394	Accessory Housing Assy. and Housing Cover Assy. Modification to Retrofit Hollow Oil Transfer Dowel
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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
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S.L. L172C	Additive, Fuel, Use of Ethylene Glycol Monomethyl Ether (EGME) such as “Prist” and Diethylene Glycol Monomethyl Ether (DIEGME or DEGMME)
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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.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.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 Service Bulletin No. AA135, “601 Hose Assemblies”
S.I. 1464	Aeroquip Service Bulletin No. AA91, “Hose Line Problems”
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. 401	Aircraft Struck by Lightning, Recommendations
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”
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

* - Airworthiness Directives.

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S.L. L142B	Alterations, Policy Relative to Affecting Engine Performance
S.B. 386	Alternator Bearing Lubrication – TIGO-541-E
S.I. 1254	Alternator Belt Replacement
S.B. 536	Alternator Belt Tension
S.I. 1129B	Alternator Belt Tension, Methods of Checking
S.B. 511	Alternator Bracket Installation
S.I. 1524	Alternator Bracket Kit for 130A Alternators
S.B. 356	Alternator Bracket Support, Addition of – TIO-540-A2C
S.I. 1283A	Alternator Cog Belt and Pulley Installation
S.I. 1330A	Alternator Drive Coupling, Spring Loaded – TIGO-541-E
S.I. 1266	Alternator Ground Strap – All Engines with Prestolite
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. 1154M	Alternators, 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)
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S.L. L147B	Anderol 471 All-Climate Synthetic Aircraft Lubricant
S.L. L237	Area Code, Telephone, Change, Textron Lycoming, Williamsport, PA
S.I. 1454	Arm, Rocker, Parallel Valve Installation
S.I. 1210B*	Attaching Nut Replacement, Pinion Cage (A.D. #69-25-08)
S.I. 1196	Attaching Studs, Replacement of Reduction Gear
S.I. 1508B	Attachment, Magneto
S.I. 1523A	AVStar Fuel Systems, Inc., Carburetors Approved
S.I. 1076	Backlash, Bevel Gear Assys., Pitch Alignment and
S.B. 489A	Baffle Assembly, P/N LW-13383, Oil Sump
S.B. 579	Baffle, Oil Sump and Oil Sump Assembly, Clearance Between
S.I. 1279B	Baffle, Replacement, 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 (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

*- Airworthiness Directives.

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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. 1129B	Belt Tension, Alternator, Method of Checking
S.I. 1254	Belt, Alternator, Replacement
S.I. 1252C	Bendix 1200 Series Magneto Installation
S.B. 516	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)
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. 1414A	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)

* - Airworthiness Directives.

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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"
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S.L. L196	Blade, Screwdriver, ST-418-3, Revision to
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S.B. 511	Bracket, Alternator Installation

* - Airworthiness Directives.

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PUB. NO.	TITLE
S.I. 1270A	Bracket, Alternator Mounting, Shims
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S.B. 463	Bracket, Turbocharger Mounting, Inspection
S.I. 1105B	Brackets, Generator/Alternator Mounting, Periodic Inspection
S.I. 1397	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.I. 1098G	Bushing Location, Propeller Flange
S.I. 1143B	Bushing, Replacement of Counterweights and Bushing Tooling Update (Refer to Supplement No. 2 , No. 3 and No. 4 to S.I. 1143B)
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S.I. 1386A	Bushing Magneto Drive Gear, Replacement of Damaged or Worn
S.I. 1142B	Bushings, Crankshaft Counterweight, Replacement
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S.I. 1452	Bushings, Propeller Flange, Reindexing (O-360-C1G)
S.B. 253A	Bushings, Replacement of Propeller Flange
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S.I. 1214A	Bypass Valve, Exhaust: Reset for Increased Critical Altitude
S.I. 1442	Bypass Valve, Oil Filter, Improved
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S.I. 1182A	Camshaft, Modified for Improved Performance – GO-480 Series
S.I. 1263B	Camshaft, Redesigned, for IO-360 Series Engines
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S.B. 409*	Carburetor Replacement (A.D. #77-13-16)
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S.B. 330B*	Carburetor Throttle Arm Screw, Retighten and Lockwire (A.D. #72-06-05)
S.B. 366B	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)

* - Airworthiness Directives.

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PUB. NO.	TITLE
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"
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 Service Bulletin No. MSA-13, "Replacement of Carburetor Floats with New Foam Floats"
S.B. 327C*	Center Main Bearing Inspection (A.D. #'s 71-05-02 & 72-21-06)
S.I. 1418	Chamber Cleaning Procedure, Combustion
S.I. 1403	Champion Bulletin No. 75-4, "Approved Spin-On Oil Filters"
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. 342E*	Clamp Inspection and Installation, Support, and Fuel Line (A.D. #2008-14-07)
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)
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.I. 1191A	Compression, Cylinder
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. 1192	Compressor, No. ST-266, Valve Spring
S.I. 1451A	Compressor, Starter and Alternator Installation
S.I. 1466	Connecting Rod Assemblies
S.I. 1467	Connecting Rod Assemblies
S.B. 302A*	Connecting Rod Assemblies, P/N's 74308 & 74503, Replacement in IO-360-A1A Engines (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)
S.I. 1450	Connecting Rod Bolt and Torque Application, Alternate
S.I. 1307B	Connecting Rod Bolt Assembly and Torque Application
S.I. 1106D	Connecting Rod Bolt Nut Crimping Requirements
S.B. 363	Connecting Rod Bolt Part Number Listing – PC-206: IO-360 Series Engines

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
S.I. 1213	Connecting Rod Bolts, Increased Torque Value
S.I. 1311A	Connecting Rod Bolts, Oversize
S.I. 1458E	Connecting Rod Bolts
S.I. 1318	Connecting Rod Bolts, Strengthened
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.I. 1323A	Connecting Rods with High-Tensile Strength Bolts
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. 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. 1246A	Conversion, Engine, for Use of 100/130 Grade Fuel
S.I. 1383	Conversion, Starter
S.I. 1453A*	Converter Plate Gasket, Oil Filter, Replacement of (A.D. #2002-12-07)
S.B. 543B*	Converter Plate Gasket, Oil Filter, Replacement (A.D. #2000-12-07)
S.L. L216	Copyright of Avco Lycoming Williamsport Publications
S.B. 394	Corner Radii, Counterweight Inspection
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.L. L217	Counterweight Tooling Update Kits
S.B. 333	Counterweight, Inspection and Replacement
S.I. 1143B	Counterweights, Bushing Replacement and Tooling Update (Refer to Supplement No. 2, No. 3, and No. 4 to S.I. 1143B)
S.I. 1012F	Counterweights, Location and Proper Assembly Procedure (Refer to Supplement No. 2 to S.I. 1012F)
S.I. 1130	Counterweights, Marking or Identifying
S.I. 1330A	Coupling, Alternator Drive, Spring Loaded – TIGO-541-E
S.B. 395	Coupling, Transition, Replacement
S.B. 492A	Couplings, Redesigned V-Band, for Tailpipe Installation
S.I. 1238A	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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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. 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. 1354D	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. 1406B	Crankcases with Provision for Large Diameter Hydraulic Lifters
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)
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. 201E	Crankshaft Flanges, Inspection and Straightening of Bent
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)
S.I. 1331A	Crankshaft Gear Replacement – TIO & TIGO-541 Series
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. 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. 1324C	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)

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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)
S.I. 1185	Crankshaft, Interference Between Crankcase and
S.I. 1012F	Crankshaft, Proper Assembly Procedure of Counterweights and Rollers (Refer to Supplement No. 2 to S.I. 1012F)
S.I. 1511A	Crankshafts, "PID" Stamped, Inspection
S.I. 1130	Crankshafts, Marking or Identifying
S.I. 1106D	Crimping Requirements, Connecting Rod Bolt Nut
S.B. 484*	Crossover Exhaust Assembly, Inspection, Alignment and Modification (A.D. #89-12-04)
S.I. 1299A	Cushion and Magneto Drive Gear Inspection
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. 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
S.L. L220B	Cylinder Flange Engines, Non-Availability of New Standard
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.B. 348A	Cylinder Head, Clearance Between Valve Rocker and
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.I. 1297	Cylinder Modification for Shroud Tubes with Helical Spring Retention
S.B. 271A	Cylinder Painting
S.B. 574A	Cylinder Stud Hole Cross-Threaded
S.L. L188	Cylinders Treated with Block Oxide Finish
S.I. 1037M	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
S.I. 1136A	Cylinders, Parallel Valve, Exhaust Valves with 1/2" 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.B. 245D	Detuning, Dynamic Counterweight System
S.L. L172C	DIEGME or DEGMME Diethylene Glycol Monomethyl Ether, Fuel Additive
S.B. 548A	Diaphragm-Type Fuel Pump Inspection/Replacement
S.B. 565	Diaphragm-Type Fuel Pump Inspection/Replacement
S.I. 1446*	Diaphragm, Pressure Regulator, Possible Ruptured, in AN Fuel Pump (A.D. #91-08-07)
S.B. 472	Disassembly of Wide Cylinder Flange Crankcases
S.L. L200	Disclaimer Statement
S.L. L226	Discoloration, LW-16702 Oil Additive
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

* - Airworthiness Directives.

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SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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.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. 1299A	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. 1420	Drive Spline Lubrication, Fuel Pump
S.B. 411B	Drive, Magneto Isolation, Adapter Kit
S.I. 1203	Driveshaft Adapter Assembly, Accessory, Installation of Improved
S.I. 1221A	Dry Air Pump Drive Seal Replacement
S.B. 113	Dry Sump Test Stand Installation of Lycoming Opposed Series Engines
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. 1427B	Engine Break-In and Oil Consumption Test Limits
S.L. L114AR	Engine and Accessory Maintenance Publications
S.I. 1246A	Engine Conversion for Use of 100/130 Grade Fuel
S.B. 549	Engine/Crankshaft Inspection (Refer to Supplement No. 1 to S.B. 549)
S.L. L193	Engine Firing Order
S.B. 369J	Engine Inspection after Overspeed
S.B. 357	Engine Inspection in Event of Immersion
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. 1408A	Engine Mount Replacement
S.I. 1248B	Engine Mounting Bracket Attaching Bolts
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. 1497	Engine Procedures for Flight Training
S.I. 1498	Engine Procedures for Purging Vapor During Ground Operations, Recommended
S.I. 1241C	Engine Start, Pre-Oiling Prior to Initial
S.I. 1287	Engine Starting, Cold Weather: Starter Drive Modification

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
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PUB. NO.	TITLE
S.I. 1362	Engine Starting, Hard
S.B. 349	Engine Starting, Relocating Fuel Drain Valve to Improve
S.B. 533A*	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. L220B	Engines, Non-Availability of New Standard Cylinder Flange
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
S.I. 1506	Engines, 4-Cylinder, Replacement of Impulse Coupling Magnetos
S.B. 484*	Exhaust Assembly, Crossover, Inspection, Alignment and Modification of (A.D. #89-12-04)
S.I. 1214A	Exhaust Bypass Valve: Reset for Critical Altitude
S.I. 1204C	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. 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

* - Airworthiness Directives.

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SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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.L. L213A	Extension Kit, Time Between Overhaul (TBO)
S.I. 1355	Extensions and Clamps, Intake Pipe
S.I. 1354B	Face Repair, Crankcase Thrust
S.B. 481	Facet Aerospace Products Service Bulletin No. A1-87, "Carburetor Return and Inspection"
S.B. 483	Facet Aerospace Products Service Bulletin No. A1-88, "Possible Loose 62-226 Pins"
S.L. L159D	Facilities for Cylinder Barrel Repair
S.I. 1481B	Factory Engine Preservation
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. 480E	Filter Change, and Oil, and Screen Cleaning
S.B. 337A	Filter Housing, Oil, and Bolt Modification
S.I. 1457	Filter Kit, Remote Mount Oil, Textron Lycoming
S.L. L183	Filter Lubricants, Spin-On
S.I. 1186	Filter Screen, Removal from Fuel Injector Nozzle
S.B. 480E	Filter/Screen, Oil, Content Inspection
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. 1098G	Flange Bushing Location, Propeller
S.I. 1452	Flange Bushings, Propeller, Reindexing (O-360-C1G)
S.B. 253A	Flange Bushings, Replacement of Propeller
S.I. 1344	Flange Dowel Hole Repair, Propeller
S.I. 1204C	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. 201E	Flanges, Inspection and Straightening of Bent Crankshaft
S.I. 1497	Flight Training, Engine Procedures for
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)
S.B. 439A	Fretting, Inspection and Repair of Connecting Rod
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

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PUB. NO.	TITLE
S.B. 384	Fuel Drain Check Valve Modification
S.B. 349	Fuel Drain Valve, Relocating to Improve Engine Starting
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.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. 1484A	Fuel Injector or Carburetor Servo Unit Hold Down Nuts, Installation Torque for Fuel Metering Device
S.I. 1491	Fuel Injector Check
S.I. 1301A	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. 1414A	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. Service Bulletin No. PRS-91, “Timing of the Power Enrichment Valve Opening”
S.B. 485*	Fuel Injector, Precision Airmotive Corp. Service Bulletin No. PRS-92, “Contamination” (A.D. #89-13-02)
S.B. 532	Fuel Injector, Precision Airmotive Corp. Service Bulletin No. 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. Service Bulletin No. PRS-105, “Servo Metered Fuel Pressure Port Leakage”

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PUB. NO.	TITLE
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 Injectors and Carburetors, Overheating, Bendix Fuel Injector Bulletin No. SSB-317, "Preheating Procedures"
S.L. L242	Fuel Injectors, Improved Lower Idle Valve
S.L. L150T	Fuel Injectors, Simmonds, Reconditioned
S.B. 342E*	Fuel Line and Support Clamp Inspection and Installation (A.D. #2008-14-07)
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.I. 1489B	Fuel Manifold Spring Change
S.I. 1431	Fuel Metering and Turbocharger Linkage Adjustments (Refer to Supplement No. 2 to S.I. 1431)
S.I. 1484A	Fuel Metering Device, Installation Torque, Carburetor or Fuel Injector Servo Unit Hold Down Nuts
S.I. 1094D	Fuel Mixture Leaning Procedure
S.I. 1446*	Fuel Pump (AN), Possible Ruptured Pressure Regulator Diaphragm (A.D. #91-08-07)
S.L. L218	Fuel Pump Adapters
S.I. 1420	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.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 Service Bulletin No. 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. 496	Fuel Pump, Lear Romec Service Bulletin No. 101SB019, "Relief of Valve Diaphragm Replacement"
S.B. 529B*	Fuel Pump, Lear Romec Service Bulletin No. 101SB020, "Torquing of Relief Valve Cover Screws" (A.D. #2003-14-03)
S.B. 500A	Fuel Pump, Lear Romec Service Bulletin No. 3402, "Rotary Fuel Pump – Non-Conforming Regulating Valve Diaphragm"
S.B. 506	Fuel Pump, Lear Romec Service Bulletin No. 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.B. 362A	Fuel Vent Line Check Valve Installation
S.I. 1062	Fuel Vent Return, T Fitting, Maintenance Procedures
S.I. 1246A	Fuel, Engine Conversion for Use of 100/130 Grade Fuel
S.L. L185B	Fuel, Higher Octane Aviation, Use of 100LL for Engines Rated 80/87 Octane
S.L. L199	Fuel, Recommendations Regarding Use of
S.B. 398	Fuel, Recommendations Regarding Use of Incorrect
S.I. 1070P	Fuels, Specified
S.B. 407A*	Gage Assys., Oil Level (A.D. #77-07-07)
S.I. 1379	Gage Kit, Oil Level

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PUB. NO.	TITLE
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.I. 1453A*	Gasket, Oil Filter Converter Plate, Replacement of (A.D. #2002-12-07)
S.B. 543B*	Gasket, Oil Filter Converter Plate, Replacement (A.D. #2002-12-07)
S.I. 1204C	Gaskets, Exhaust Flange
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)
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)
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. 1141	Gears, Starter Ring, Replacement of Worn
S.I. 1170	Generator Mounting Bolt Replacement
S.I. 1129B	Generator, DC, Methods of Checking, and Alternator Belt Tension
S.I. 1105B	Generator/Alternator Mounting Brackets, Periodic Inspection
S.I. 1154M	Generators, FAA Approved
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. 1498	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. 1256E	Guides, Valve, for Service Use
S.B. 490A	Guides, Valve, Installation of Intake and Exhaust
S.I. 1362	Hard Starting

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PUB. NO.	TITLE
S.I. 1419	Harness, Magneto Wiring, Modification of
S.L. L235A	Hartzell Compact Propeller, Aluminum Hub, Installation on Comanche 250 Aircraft
S.I. 1227	Hartzell Propeller Letter No. 17, "Oil Leakage"
S.I. 1148C	Heat Control, Use of Carburetor
S.I. 1448	Heat Muffler Covers, Installation of Tailpipes and (Refer to Supplement No. 1 and 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.I. 1297	Helical, Spring Retention, Cylinder Modification for Shroud Tubes with
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. 1484A	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 Service Bulletin No. AA135
S.I. 1361	Hose Clamps, T-Bolt
S.I. 1464	Hose Line Problems, Aeroquip Service Bulletin No. AA91
S.I. 1274B	Hoses, Fuel and Oil, Silicone Coated, Service Replacement
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.I. 1011H*	Hydraulic Lifter Assy., Plunger Assys., Tappet Bodies: Table of Current and Inspection Procedures (A.D. #62-03-02)
S.I. 1352A	Hydraulic Lifter Body Disassembly
S.I. 1406B	Hydraulic Lifters, Crankcases with Provision for Large Diameter
S.I. 1402	Hydraulic Lifters, Redesigned
S.I. 1529	Hydraulic Lifter, Tappet Body and Valve Usage
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. 1424	Hydraulic Tappet/Plunger Assy., P/N 78290, Installation Procedure
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
S.I. 1343B	Idler Shaft, Propeller Governor, Set Screw for
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.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.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

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PUB. NO.	TITLE
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.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. 1506	Impulse Coupling Magnetos, Replacement on 4-Cylinder Engines
S.I. 1396	Induction Air Housing, Redesigned
S.I. 1234	Induction Housing Assy., Tightening Procedures
S.B. 387	Induction Housing, Heli-Coil Installation
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. 1301A	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. 1329A	Inlet Adapter Seals, Supercharger
S.I. 1300	Inlet Oil Pressure, Increased Turbocharger
S.B. 342E*	Inspection and Installation, Fuel Line and Support Clamp (A.D. #2008-14-07)
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. 505B	Inspection of Crankshaft ID for Corrosion
S.B. 369J	Inspection of Engine after Overspeed
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. 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. 518C	Inspection of Thermostatic Bypass Valves
S.B. 484*	Inspection, Alignment and Modification of Crossover Exhaust Assembly (A.D. #89-12-04)
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. 480E	Inspection, Oil Filter/Screen Content
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.B. 406A	Inspection, Titan Fuel Pump
S.B. 540	Inspection, Valve Seat
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.L. L181	Intake Valve Replacement (See Service Instruction Nos. 1280C, 1262A & 1302A)

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
S.I. 1302A	Intake Valve, Rotator, with Small Diameter Head
S.B. 502	Intake Valves, P/N LW-13262, Replacement, Etched with Date Code K-L
S.I. 1280C	Intake Valves, Rotator Type
S.I. 1262A	Intake Valves, Small Head, and Venturi Seats
S.I. 1397	Inverted Oil System, Overflow Oil from Breather Fitting
S.I. 1263B	IO-360 Series Engines, Redesigned Camshaft
S.I. 1325A	IO-360 Series Engines, Timing Change
S.B. 302A*	IO-360-A1A Engines, Replacement of P/N's 74308 & 74503 Connecting Rod Assys. (A.D. #66-06-03)
S.B. 380B	IO-360-C Timing Change
S.I. 1205	Journal Diameters, Standards for Crankshaft
S.B. 563	Kelly Aerospace Power Systems Mandatory Service Bulletin No. MSB No. 113, "Inspection and Factory Repair of the KAPS 200F Series Fuel Pump"
S.I. 1439	Integral Camshaft and Gear Assembly, Installation of New (Refer to Supplement No. 1 to S.I. 1439)
S.I. 1502A	Inverted Flow Divider, Installation of
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 Service Bulletin No. 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. 411B	Kit, Adapter, for Magneto Isolation Drive
S.I. 1436	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. 1483	Leak Check, Valve
S.I. 1462A	Leak Test Procedure, Propeller Oil Control
S.I. 1094D	Leaning Procedures, Fuel Mixture
S.B. 496	Lear Romec Service Bulletin No. 101SB019, Fuel Pump, "Relief Valve Diaphragm Replacement"
S.B. 529B*	Lear Romec Service Bulletin No. 101SB020, Fuel Pump, (Torquing of Relief Valve Cover Screws" (A.D. #2003-14-03)
S.B. 500A	Lear Romec Service Bulletin No. 3402, Fuel Pump, "Rotary Fuel Pump – Non-Conforming Regulating Valve Diaphragm"
S.B. 506	Lear Romec Service Bulletin No. 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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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. 1529	Lifter, Hydraulic Tappet Body and Valve Usage
S.I. 1406B	Lifters, Hydraulic, Crankcases with Provisions for Large Diameter
S.I. 1011H*	Lifters, Hydraulic, Inspection Procedures and 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. 401	Lightning, Recommendations for Aircraft Struck by
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. 314C*	Limited Travel Valve Lifter Replacement (A.D. #68-08-08)
S.I. 1427B	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.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. 1014M	Lubricating Oil Recommendations
S.I. 1392	Lubricating Oil Recommendations and Cold Weather Operation
S.B. 399	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. 1420	Lubrication, Fuel Pump Drive Shaft
S.I. 1250	Lubrication, Propeller Shaft Bearing
S.I. 1278	Lubrication, Starter Drive
S.L. L240A	Lycoming, Part Numbers Identified by -70 or -85 Suffix
S.I. 1285C	Magnetic Particle Inspection
S.I. 1508B	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
S.I. 1360	Magneto Drive Gear
S.I. 1299A	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. 1132A	Magneto Drop-Off
S.B. 364A*	Magneto Grommet Replacement (A.D. #73-15-04)
S.I. 1252C	Magneto Installation, Bendix –1200 Series
S.B. 411B	Magneto Isolation Drive, Adapter Kit
S.I. 1436	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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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)
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."
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"
S.B. 474	Magneto, Bendix Bulletin No. 629, "Inspection and Replacement of Brown Magneto Blocks on Turbocharged (6 Cyl.) Engines"
S.I. 1120	Magneto, Scintilla Bulletin No. 502, "S-700 Magnetos –Internal Timing"
S.I. 1126	Magneto, Scintilla Bulletin No. 503, "Lubrication of Tapered Drive on S Series Magnetos"
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 Magnetos"
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 Magnetos (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"
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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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"
S.B. 515	Magneto, Teledyne Continental Motors Bulletin No. 643, "Maintenance Intervals for all TCM and Bendix Aircraft Magnetos 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.B. 583A	Magneto, Unison Industries MANDATORY Service Bulletin No. SB2-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"
S.B. 584B	Magnetos, Unison Industries MANDATORY Service Bulletin No. SB3-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"
S.I. 1314	Magnetos (Bendix), Replacement of Slick Ignition Leads Furnished on
S.I. 1495	Magnetos, Impulse Coupling, Replacement of
S.I. 1506	Magnetos, Impulse Coupling, Replacement on 4-Cylinder Engines
S.B. 516	Magnetos, Inspection and Removal of TCM and Bendix S-20 and S-1200 Series Impulse Coupling
S.I. 1346A	Magnetos, Installation of Bendix S4LN-1208
S.B. 235A	Magnetos, Procedure for Inspection of Type SN-20 and SN-21 (Lightweight)
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. 1347B	Magnetos, Slick
S.I. 1443F	Magnetos, Slick, Approved on Lycoming Engines
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.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. L114AR	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. 1337A	Manifold Pressure Relief Valve – TIGO-541
S.I. 1293	Manifold Pressure Relief Valve – TIO-541
S.I. 1257G	Manifold Pressure Horsepower and RPM Values
S.I. 1391	Manifold Tube Alignment, Exhaust
S.I. 1190	Manifold Tube Modification, Exhaust
S.I. 1489B	Manifold, Fuel, Spring Change
S.I. 1455	Manifold, Fuel Injection, Installation Kit P/N 05K21433
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)

* - Airworthiness Directives.

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PUB. NO.	TITLE
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.L. L230B	Microfiche, Publications Available on
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. 1408A	Mount Replacement, Engine
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. 1270A	Mounting Bracket Shims, Alternator
S.I. 1105B	Mounting Brackets, Generator/Alternator, Periodic Inspection
S.I. 1298	Mounting Dowel Removal, Engine
S.I. 1415	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. 1 and No. 2 to S.I. 1448)
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.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. 1271A	Nozzle Replacement, Carburetor – O-235
S.I. 1395A	Nozzle Replacement, Carburetor – O-320-D2A
S.I. 1305C	Nozzle Replacement, Carburetor, O-320-E2A, -E2D, -E2G, -E3D
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. 1106D	Nut, Connecting Rod Bolt, Crimping Requirements
S.I. 1210B*	Nut, Pinion Cage Attaching, Replacement (A.D. #69-25-08)
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.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

* - Airworthiness Directives.

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PUB. NO.	TITLE
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.B. 480E	Oil and Filter Change and Screen Cleaning
S.I. 1427B	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. 1316A	Oil Cooler Bypass Valve Seat, Repair of
S.I. 1423	Oil Cooler Bypass Valve, Thermostatic, P/N 75944
S.I. 1255	Oil Cooler Bypass Valve, Thermostatic, Replacement
S.I. 1008B	Oil Cooler Bypass, Thermostatic, Instructions for Installation
S.B. 480E	Oil Change, and Filter, and Screen Cleaning
S.B. 534	Oil Drain Tank Inspection and Replacement, Turbocharger
S.I. 1399	Oil Drain Tube Replacement, Turbocharger
S.I. 1487	Oil, Drainback Tube, Clearance
S.B. 377	Oil, Drain, Modification, and Turbocharger Check Valve
S.B. 545A	Oil Filter Tube Replacement
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. 1442	Oil Filter Bypass Valve, Improved
S.I. 1453A*	Oil Filter Converter Plate Gasket, Replacement (A.D. #2002-12-07)
S.B. 543B*	Oil Filter Converter Plate Gasket, Replacement (A.D. #2002-12-07)
S.B. 337A	Oil Filter Housing and Bolt Modification
S.I. 1457	Oil Filter Kit, Remote Mount, Textron Lycoming
S.B. 397	Oil Filter Seals, Full Flow – TIO & TIGO-541 Series
S.B. 480E	Oil Filter/Screen Content Inspection
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. 1397	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 Assys. (A.D. #77-07-07)
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.I. 1435	Oil Line, Propeller Governor, Nut and Elbow (Refer to Supplement No. 1 to S.I. 1435)
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. 1164B	Oil Pump Application
S.B. 555A	Oil Pump Body Plug Inspection
S.I. 1341	Oil Pump Idler Shaft Lubrication
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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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. 1324C	Oil Seals, Crankshaft
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.B. 489A	Oil Sump Baffle Assembly P/N LW-13383
S.I. 1279B	Oil Sump Baffle Replacement
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.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. 318B	Oil Lubricating, Limitations (Break-In)
S.I. 1014M	Oil, Lubricating, Recommendations
S.L. L203	Oil, Lubricating, Recommendations
S.B. 399	Oil, Lubricating, Safe Quantity
S.I. 1472	Oil, Preservative, Removal from Engine
S.L. L299B	Oil, Synthetic Lubricating, Use of Mobil AV 1, in Textron Lycoming Reciprocating Aircraft Engines
S.B. 369J	Overboost, Engine Inspection After
S.I. 1397	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. 240U	Overhaul, Normal, Parts Replacement, and During Repair or Normal Maintenance
S.I. 1009AU	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. 369J	Overspeed, Engine Inspection After
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.B. 271A	Painting of Cylinder Flange Area
S.B. 544B	Part Identification, Bearing Replacement
S.L.L223	Part Number Code, New
S.L. L240A	Part Numbers, Identified by Lycoming with -70 and -85 Suffix
S.I. 1285C	Parting Surface Sealants, Alternate Crankcase
S.L. L227A	Parts Catalogs and Applicable SSP's and/or Revisions
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. 240U	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. 1059C	Parts, Pre-Lubrication Prior to 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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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)
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. 1243	Piston Identification and Inspection
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. 1471	Piston Usage
S.B. 520	Piston, Incorrect Shipped with Cylinder Kits P/N 05K21108, P/N 05K21118 and P/N 05K21104
S.I. 1037M	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. 1424	Plunger Assy./Hydraulic Tappet P/N 78290, Installation Procedure
S.B. 238	Plunger Assys., Magnetized Condition of Hydraulic Tappet
S.I. 1011H*	Plunger Assys., Table of Current (A.D. #62-03-02)
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. 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)
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 Service Bulletin No. MSA-13, “Replacement of Carburetor Floats with New Foam Floats”

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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. 1301A	Primer and Fuel Injector Lines, Identification
S.B. 533A*	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. 1098G	Propeller Flange Bushing Location
S.I. 1452	Propeller Flange Bushings, Reindexing (O-360-C1G))
S.I. 1344	Propeller Flange Dowel Hole Repair
S.I. 1343B	Propeller Governor Idler Shaft, Set Screws for
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. L230B	Publications Available on Microfiche
S.L. L114AR	Publications, Engine and Accessory Maintenance (Also Referrence Supplement No. 1 to S.L. L114AR)
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. 1221A	Pump Drive (Dry Air) Oil Seal Replacement
S.I. 1338	Pump Drive Shaft Modification, Hydraulic
S.I. 1341	Pump Idler Shaft Lubrication, Oil
S.I. 1364	Pump Mounting Pad Surface Repair, Oil
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)

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
S.I. 1212	Pump, Accelerator, Marvel-Schebler Carburetor with – O-235-C Series
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.I. 1309	Pump, Lear Siegler Fuel, Modification
S.I. 1164B	Pump, Oil, Application
S.B. 555A	Pump, Oil, Body Plug Inspection
S.I. 1230B	Pump, Oil, Impellers
S.I. 1434	Pump, Oil, Impellers, Improved
S.I. 1152A	Punch Marks on Crankshaft Counterweight Lobes
S.I. 1060J	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 Service Letter No. 21A, "Inspection of Turbine (Exhaust) Housings"
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.I. 1498	Recommended Engine Procedures for Purging Vapor During Ground Run
S.I. 1009AU	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.I. 1446*	Regulator Diaphragm, Possible Ruptured, in AN Fuel Pump (A.D. #91-08-07)
S.I. 1154M	Regulators, FAA Approved
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. 1457	Remote Mount Oil Filter Kit, Textron Lycoming
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. 1509	Replacement of All P/N STD-1409 Nuts with P/N STD-2249 Nuts
S.B. 556	Replacement of Washer P/N LW-11201
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.L. L227A	Revisions and/or SSP's Applicable to Parts Catalogs
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.L. L233	Ring Gear, Support Assys., Better Identification of Reverse Rotation
S.I. 1121	Ring Gears, Identification
S.I. 1141	Ring Gears, Starter, Replacement of Worn

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
S.I. 1411	Ring, Thru-Bolt, Oil Seal Application
S.I. 1037M	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. 1454	Rocker Arm Installation, Parallel Valve
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.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.I. 1307B	Rod Bolt Assembly, Connecting, and Torque Application
S.I. 1450	Rod Bolt, Connecting, and Torque Application, Alternate
S.I. 1458E	Rod Bolts, Connecting
S.I. 1318	Rod Bolts, Connecting, Strengthened
S.I. 1311A	Rod Bolts, Oversize Connecting
S.I. 1359	Rod Cap Modification, Connecting
S.B. 418	Rod End Replacement, Waste Gate Control Cable
S.I. 1060J	Rod Identification, Push
S.I. 1466	Rod, Connecting Assemblies
S.I. 1467	Rod, Connecting Assemblies
S.B. 547	Rod, Connecting, Bearing Replacement on TIO-540-AE2A Model Engines (Refer to Supplement No. 1 to 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.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. 1500	Roller Change, Counterweight for Robinson Helicopter
S.I. 1514A	Roller Tappets, Introduction of
S.I. 1012F	Rollers, Location and Proper Assembly Procedure (Refer to Supplement No. 2 to S.I. 1012F)
S.I. 1302A	Rotator Intake Valve with Small Diameter Head
S.I. 1280C	Rotator Type Intake Valves
S.I. 1449	Rotomaster Turbocharger (46A21184), Installation of
S.B. 533A*	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. 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. 366B	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

* - Airworthiness Directives.

**ALPHABETICAL LISTING OF LYCOMING
SERVICE BULLETINS, LETTERS AND INSTRUCTIONS**

PUB. NO.	TITLE
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. 1324C	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.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.I. 1256E	Service Use, Alternate Valve guides for
S.I. 1079B	Servo Fuel Line Filters, Periodic Maintenance
S.I. 1484A	Servo Unit Hold Down Nuts, Carburetor or Fuel Injector, Installation Torque for Fuel Metering Device
S.I. 1343B	Set Screw for Propeller Governor Idler Shaft
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
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. 1343B	Shaft, Propeller Governor Idler, Set Screw for
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.I. 1270A	Shims, Alternator Mounting Bracket
S.I. 1277A	Shroud Tube Retaining Components
S.I. 1248B	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. 1297	Shroud Tubes with Helical Spring Retention, Cylinder Modification
S.I. 1215	Shroud Tubes, Correct Installation for Up-Exhaust Engines
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”

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PUB. NO.	TITLE
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-Tec Service Bulletin No. 07-01, Rev. C, "Sky-Tec PM Model Starter Replacement"
S.B. 571	Sky-Tec Service Bulletin No. 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. 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. 1374B	Slick Magnetos
S.I. 1443F	Slick Magnetos, Approved on Lycoming Engines
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. 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. 1042Z	Spark Plugs, Approved
S.L. L245	Special Service Publication No. SSP-567, "Camshaft Regrinding"
S.L. L227A	Special Service Publications (SSP's) and/or Revisions Applicable to Parts Catalogs
S.I. 1070P	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. 1192	Spring Compressor No. ST-266 Valve
S.I. 1489B	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.I. 1240C	Spring, Valve, Replacement
S.L. L220B	Standard Cylinder Flange Engines, Non-Availability of New
S.I. 1383	Starter Conversion
S.I. 1239	Starter Drive Assembly Replacement
S.I. 1118A	Starter Drive Gear Replacement
S.I. 1242A	Starter Drive Gear, Thrust Washers for

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PUB. NO.	TITLE
S.I. 1278	Starter Drive Lubrication
S.I. 1287	Starter Drive Modification: Cold Weather Starting
S.I. 1378	Starter Drive Pin Replacement
S.I. 1224	Starter Modification, VO-435-B1A
S.I. 1157	Starter Motors, Periodic Maintenance
S.B. 486	Starter Ring Gear Support Assemblies, Inspection of Single Belt Driven
S.I. 1141	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 Service Bulletin No. 07-01, Rev. C, "Sky-Tec PM Model Starter Replacement"
S.B. 571	Starter, Sky-Tec Service Bulletin No. 2006-3-1, "Replacement of Specified Sky-Tec Starters – Model 31B22101/149-24PM"
S.I. 1154M	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. 1279B	Sump Baffle Replacement, Oil
S.I. 1289A	Sump, Oil and Related Parts Listing – PC-206
S.B. 489A	Sump, Oil, Baffle Assembly P/N LW-13383
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. 367F-1*	Supplement No. 1 to Service Bulletin No. 367F (A.D. #73-23-01)
S.B. 373-1	Supplement No. 1 to Service Bulletin No. 373
S.B. 391A-1	Supplement No. 1 to Service Bulletin No. 391A
S.B. 428-1*	Supplement No. 1 to Service Bulletin No. 428 (A.D. #78-23-10)
S.B. 430-1*	Supplement No. 1 to Service Bulletin No. 430 (A.D. #78-23-01)
S.B. 442-1*	Supplement No. 1 to Service Bulletin No. 442 (A.D. #'s 79-21-08 & 79-26-03)
S.B. 467-1*	Supplement No. 1 to Service Bulletin No. 467 (A.D. #83-22-04)
S.B. 477A-1	Supplement No. 1 to Service Bulletin No. 477A
S.B. 488A-1*	Supplement No. 1 to Service Bulletin No. 488A (A.D. #90-04-06)
S.B. 510-1	Supplement No. 1 to Service Bulletin No. 510
S.B. 517-1*	Supplement No. 1 to Service Bulletin No. 517 (A.D. #94-06-09)
S.B. 524-1*	Supplement No. 1 to Service Bulletin No. 524 (A.D. #96-09-10)
S.B. 547-1	Supplement No. 1 to Service Bulletin No. 547
S.B. 549-1	Supplement No. 1 to Service Bulletin No. 549

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PUB. NO.	TITLE
S.B. 552-1*	Supplement No. 1 to Service Bulletin No. 552 (A.D. #2002-19-03)
S.B. 553-1*	Supplement No. 1 to Service Bulletin No. 553 (A.D. #2002-19-03)
S.B. 566-1*	Supplement No. 1 to Service Bulletin No. 566 (A.D. #2006-06-16)
S.B. 569A-1	Supplement No. 1 to Service Bulletin No. 569A
S.B. 573-1	Supplement No. 1 to Service Bulletin No. 573
S.I. 1012F-1	Supplement No. 1 to Service Instruction No. 1012F
S.I. 1029D-1	Supplement No. 1 to Service Instruction No. 1029D
S.I. 1068A-1	Supplement No. 1 to Service Instruction No. 1068A
S.I. 1108C-1	Supplement No. 1 to Service Instruction No. 1108C
S.I. 1112E-1	Supplement No. 1 to Service Instruction No. 1112E
S.I. 1136A-1	Supplement No. 1 to Service Instruction No. 1136A
S.I. 1236A-1	Supplement No. 1 to Service Instruction No. 1236A
S.I. 1308E-1	Supplement No. 1 to Service Instruction No. 1308E
S.I. 1316A-1	Supplement No. 1 to Service Instruction No. 1316A
S.I. 1377-1	Supplement No. 1 to Service Instruction No. 1377
S.I. 1388C-1*	Supplement No. 1 to Service Instruction No. 1388C (A.D. #80-25-02)
S.I. 1435-1	Supplement No. 1 to Service Instruction No. 1435
S.I. 1439-1	Supplement No. 1 to Service Instruction No. 1439
S.I. 1448-1	Supplement No. 1 to Service Instruction No. 1448
S.I. 1512-1	Supplement No. 1 to Service Instruction No. 1512
S.L. L114AR-1	Supplement No. 1 to Service Letter No. L114AR
S.B. 392B-2	Supplement No. 2 to Service Bulletin No. 392B
S.B. 435-2	Supplement No. 2 to Service Bulletin No. 435 (A.D. #80-04-03)
S.B. 467-2*	Supplement No. 2 to Service Bulletin No. 467 (A.D. #83-22-04)
S.B. 532-2	Supplement No. 2 to Service Bulletin No. 532
S.I. 1012F-2	Supplement No. 2 to Service Instruction No. 1012F
S.I. 1143B-2	Supplement No. 2 to Service Instruction No. 1143B
S.I. 1431-2	Supplement No. 2 to Service Instruction No. 1431
S.I. 1448-2	Supplement No. 2 to Service Instruction No. 1448
S.B. 554-3*	Supplement No. 3 to Service Bulletin No. 554 (A.D. #2004-05-24)
S.I. 1143B-3	Supplement No. 3 to Service Instruction No. 1143B
S.I. 1029D-2	Supplement No. 2 to Service Instruction No. 1029D
S.I. 1143B-4	Supplement No. 4 to Service Instruction No. 1143B
S.B. 554-4*	Supplement No. 4 to Service Bulletin No. 554 (A.D. #2004-05-24)
S.B. 554-5*	Supplement No. 5 to Service Bulletin No. 554 (A.D. #2004-05-24)
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. 342E*	Support Clamp and Fuel Line Inspection and Installation (A.D. #2008-14-07)
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.I. 1361	T-Bolt Hose Clamps
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. 1 and No. 2 to S.I. 1448)
S.I. 1011H*	Tappet Bodies, Hydraulic, Table of Current (A.D. #62-03-02)
S.L. L206A	Tappet Bodies/Cam Followers, Field-Reconditioned
S.I. 1336	Tappet Body Identification
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.B. 424*	Tappet Replacement, Hydraulic (A.D. #77-20-07)
S.I. 1529	Tappet Body, Hydraulic Lifter, and Valve Usage

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PUB. NO.	TITLE
S.I. 1424	Tappet, Hydraulic/Plunger Assy. P/N 78290, Installation Procedure
S.B. 402	Tappet, Valve Clearance
S.I. 1514A	Tappets, Roller, Introduction of
S.I. 1009AU	TBO, Recommended Time Between Overhaul
S.B. 516	TCM and Bendix S-20 and S-1200 Series Impulse Coupling Magnetos, Inspection and Removal
S.L. L190	TCP, Use of Fuel Additive
S.B. 576	Teledyne Continental Ignition Systems Service Bulletin No. 633A, "Two-Wire Magneto Tachometer Breaker Contact (Points) Assembly Part Number 10-400507"
S.B. 528	Teledyne Continental Ignition Systems Service Bulletin No. 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 Service Bulletin No. 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. L237	Telephone Area Code Change for Textron Lycoming, Williamsport PA
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.B. 518C	Thermostatic Bypass Valves, Inspection of
S.I. 1423	Thermostatic Oil Cooler Bypass Valve P/N 75944
S.I. 1255	Thermostatic Oil Cooler Bypass Valve Replacement
S.B. 330B*	Throttle Arm Screw, Carburetor, Retighten and Lockwire (A.D. #72-06-05)
S.B. 366B	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)
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. 1009AU	Time Between Overhaul (TBO), Recommended

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PUB NO.	TITLE
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. 406A	Titan Fuel Pump Installation
S.L. L232	Tool Loaning, Discontinuance
S.L. L234B	Tool Rental Program
S.L. L217	Tooling Update Kits, Counterweight
S.I. 1143B	Tooling Update, Counterweight Bushing and Replacement (Refer to Supplement No. 2, No. 3 and No. 4 to S.I. 1143B)
S.I. 1450	Torque Application, Alternate Connecting Rod Bolt and
S.I. 1238A	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. 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
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. 452A	Turbo Inspection, AiResearch Bulletin No. TP60-0121
S.B. 405	Turbo Strut Spacer
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 % 1823 Turbochargers with Stainless Steel Turbine Housings"
S.I. 1313A	Turbocharger Installation, Oil Squirt
S.I. 1431	Turbocharger Linkage and Fuel Metering Adjustments (Refer to Supplement No. 2 to S.I. 1431)

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PUB NO.	TITLE
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. 1415	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 Waste Gate 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 Service Letter No. 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 Service Bulletin No. SB2-08, "Mandatory Inspections on all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"
S.B. 584B	Unison Industries MANDATORY Service Bulletin No. SB3-08, "Mandatory Inspections of all Slick 4300/6300 and LASAR™ 4700/6700 Magnetos"
S.I. 1215	Up-Exhaust Engines, Correct Installation of Shroud Tubes
S.B. 398	Use of Incorrect Fuel, Recommendations Regarding
S.L. L209A	Utilization of Textron Lycoming Piston Engine Overhaul Manuals and Parts Catalogs
S.I. 1238A	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.I. 1193A	Valve Failure, Inspection in Event of
S.B. 503	Valve Guide Replacement, Exhaust, on TIO-540-AF1A Engines
S.I. 1256E	Valve Guides, for Service Use
S.B. 490A	Valve Guides, Intake and Exhaust, Installation of
S.I. 1483	Valve Leak Check
S.B. 314C*	Valve Lifting, Replacement of Limited Travel (A.D. #68-08-08)
S.B. 419	Valve Replacement, Exhaust – TO-360
S.L. L181	Valve Replacement, Intake (Service Instruction Nos. 1280C, 1262A, 1302A)
S.I. 1255	Valve Replacement, Thermostatic Oil Cooler Bypass
S.B. 348A	Valve Rocker Assy., Clearance Between Head and
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.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. 1192	Valve Spring Compressor No. ST-266
S.I. 1240C	Valve Spring Replacement

* - Airworthiness Directives.

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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.I. 1529	Valve, Hydraulic Lifter and Tappet Body, Usage
S.L. L242	Valve, Idle, Lower, Improved in Fuel Injectors
S.I. 1442	Valve, Improved Oil Filter Bypass
S.B. 412B*	Valve, Intake and Exhaust, Rocker Arm Retaining Stud (A.D. #77-20-07)
S.I. 1137A	Valve, Manifold Pressure Relief – TIGO-541
S.I. 1293	Valve, Manifold Pressure Relief – TIO-541
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S.I. 1008B	Valve, Pressure Relief, Instructions for Installation
S.I. 1273A	Valve, Relief, Installation in Oil Pump
S.I. 1302A	Valve, Rotator Type, with Small Diameter Head
S.I. 1423	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. 1280C	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. 518C	Valves, Thermostatic Bypass, Inspection 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)
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S.L. L222	Warranty Repair of Teledyne Continental Motors Ignition Components
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S.B. 556	Washer P/N LW-11201, Replacement
S.B. 418	Waste Gate Control Cable Rod End Replacement
S.B. 523	Waste Gate Transition, Replacement of
S.B. 472	Wide Cylinder Flange Crankcases, Disassembly
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L102, L103B, L107, L108A, L110, L112A, L116A, L117, L119, L120, L121A, L122, L125, L127, L131C, L134A, L135A, L136, L145, L149, L151, L153, L164, L169A, L170, L176A, L179C, L187, L191A, L201C, L205A.

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- 187 – Proper Method of Installing Capsule Type Oil Filter (See S.I. No. 1169)
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- 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

LIST OF INACTIVE LYCOMING SERVICE BULLETINS, LETTERS AND INSTRUCTIONS

INACTIVE SERVICE BULLETINS (CONT.):

- 248 – Crankshaft Counterweight Bushings (See S.I. No. 1142)
- 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
- 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
- 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
- 298 – Fuel and Oil Vent Restriction Requirement for AC Lightweight Diaphragm Fuel Pumps
- 299 – Safety Wire Requirements for Marvel-Schebler Carburetors
- 303 – Heavy Connecting Rods for High Speed Helicopter Engines (See S.B. No. 351)
- 304 – Replacement of Thermostatic Oil Cooler Bypass Valves (See S.I. No. 1255)
- 306 – Bendix Aircraft Carburetor Bulletin No. 893, Rev. 1
- 307 – Replacement of AC Oil Filter Adapter Gasket
- 308 – Replacement of Crankshaft Idler Gear Shafts
- 309 – Modification Effectivity for Marvel-Schebler Carburetors
- 312 – Scintilla Division Service Bulletin No. 515
- 315 – Limited Travel Valve Lifter Replacement
- 316 – Replacement of Piston Pins and Plugs
- 317 – Replacement of Differential Pressure Controller
- 320 – Fuel Injection Line – Adding Support Clamps

LIST OF INACTIVE LYCOMING SERVICE BULLETINS, LETTERS AND INSTRUCTIONS

INACTIVE SERVICE BULLETINS (CONT.):

- 321 – Fuel Line Heat Shield Installation
- 322 – Bendix Energy Controls Division Bulletin No. RS-29
- 323 – Drain Plug Inspection for Excessive Lubrication, Marvel-Schebler Bulletin No. A1-69
- 324 – Compressor Wheel Replacement, AiResearch Instruction No. 969-2
- 325 – Controller Linkage Rod End Replacement
- 328 – Limited Travel Valve Lifter Replacement
- 332 – Replacement of V-Band Exhaust Manifold Couplings
- 335 – Fuel Line Inspection and Support Clamp Installation (See S.B. No. 342)
- 336 – Periodic Inspection and Lubrication of Magneto Distributor Bushing
- 338 – Model T1879 Turbocharger Modification
- 339 – Turbocharger Exhaust Systems Inspection and Modification
- 346 – Model TA1108 Turbocharger, AiResearch Instruction No. 1271-1 (See S.B. No. 391)
- 350 – Replacement of Torquemeter Oil Pump
- 355 – Alternator Fan Replacement, Prestolite Bulletin No. ASM-8
- 358 – AiResearch Industrial Division Bulletin No. 872-5
- 360 – Connecting Rod Bolt Length Gage
- 368 – Exhaust Manifold Clamp Inspection
- 378 – Exhaust Slip Joint Modification
- 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
- 493 – NOT USED
- 495 – Reprint of Precision Airmotive Corporation Service Bulletin MSA-1
- 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
- 551 – NOT USED
- 560 – NOT USED
- 562 – NOT USED
- 586 – NOT USED

INACTIVE SERVICE LETTERS:

All 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

LIST OF INACTIVE LYCOMING SERVICE BULLETINS, LETTERS AND INSTRUCTIONS

INACTIVE SERVICE LETTERS (CONT.):

- L118 – Connecting Rods for Service Use
- L119 – Valve Seat Replacement
- 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 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 – TVO-435 Series Helicopter Engines
- L153 – Lycoming New Geared Engine Overhaul Manual (See S.L. No. L161)
- 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)
- 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
- 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

LIST OF INACTIVE LYCOMING SERVICE BULLETINS LETTERS AND INSTRUCTIONS

INACTIVE SERVICE LETTERS (CONT.):

L219 – NOT USED

L224 – NOT USED

L236 – NOT USED

L238 – NOT USED

L241 – NOT USED

L244 – Revision to Appendix 1 in Service Bulletin No. 569 (See S.B. No. 569A and Supplement No. 1 to S.B. 569A)

INACTIVE SERVICE INSTRUCTIONS:

1000 – Replacement of Standard Exhaust Valves with Sodium Cooled Exhaust Valves

1003 – Marvel-Schebler Service Bulletin No. 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)

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)

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 BULLETINS LETTERS AND INSTRUCTIONS

INACTIVE SERVICE INSTRUCTIONS (CONT.):

- 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. 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)
- 1107 – Modification of Fuel Pump Vent Lines
- 1114 – Repair Procedures for Worn Reduction Gear Pinion Cage (See S.I. 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. 1427B)
- 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
- 1146 – Turbocharger Exhaust System
- 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 S.B. No. 342)
- 1160 – Turbocharger Compressor Clamp Replacement
- 1162 – Intake Pipe Replacement
- 1163 – Scintilla Bulletin No. 518
- 1165 – Scintilla Bulletin No. 522
- 1174 – Installation of Lightweight Turbocharger
- 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. 439)
- 1188 – Bendix Fuel Injection Bulletin No. 22, Rev. 2
- 1194 – Bendix Fuel Injection Bulletin No. RS-25
- 1195 – Slow Leak-Down Hydraulic Tappet Plunger Assemblies (See S.B. No. 314)
- 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

LIST OF INACTIVE LYCOMING SERVICE BULLETINS LETTERS AND INSTRUCTIONS

INACTIVE SERVICE INSTRUCTIONS (CONT.):

1207 – Increased Torque for Impulse Coupling Magneto Drive Gear Nut
1217 – NOT USED
1219 – NOT USED
1220 – Bendix Special Service Bulletin No. 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)
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)
1303 – Solid Ring Oil Seal Installation (See S.I. No. 1324)
1317 – NOT USED
1319 – Engine Mounted Oil Filter Kits and Replacement Filters (See latest revision of SSP-885)
1322 – NOT USED
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
1401 – NOT USED
1405 – NOT USED
1412 – NOT USED
1426 – NOT USED
1429 – NOT USED
1440 – NOT USED
1456 – NOT USED
1460 – NOT USED
1475 – NOT USED
1476 – NOT USED
1477 – NOT USED
1478 – NOT USED
1482 – NOT USED
1488 – NOT USED
1490 – NOT USED
1493 – NOT USED
1496 – NOT USED
1499 – NOT USED
1501 – NOT USED
1507 – NOT USED
1527 – NOT USED