



SERVICE BULLETIN

SB No. 123 Issue No. 1

TITLE
LYCOMING SERVICE BULLETIN/INSTRUCTION/LETTER LISTINGS
CLASSIFICATION

This Service Bulletin has been classified by SAL as Essential

COMPLIANCE As requested by each Lycoming Service Bulletin/Instruction/Letter Unless Otherwise Specified.

APPLICABILITY:

T67M260 and T67M260-T3A.

INTRODUCTION:

This Service Bulletin is issued to list all Lycoming Service Bulletins/Instructions/Letters relating to the Lycoming AEIO-540-D4A5 engine as used on the Slingsby T67M260 and T67M260-T3A Firefly.

This Service Bulletin will be updated periodically to add further Lycoming Service Bulletins/Instructions/Letters when received.

ACTION:

Operators are to ensure they have a complete set of the relevant Lycoming Service Bulletins/Instructions/Letters, as per attached lists, and that they have complied with them.

For copies of Lycoming Service Bulletins/Instructions/Letters listed, please contact Textron Lycoming.

ATTACHMENTS:

Lycoming Service Letters List Issue 1	(3 pages)
Lycoming Service Bulletins List Issue 1	(6 pages)
Lycoming Service Instructions List Issue 1	(16 pages)

ISSUED BY:

Date 24.6.97.

 for and on behalf of **SLINGSBY AVIATION LIMITED** Tel. 01751 432474
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SL No	Subject	Applicable to AEIO-540 Engines	Comment
L114AG	Reciprocating Engine and Accessory Maintenance Publications	Yes	
L-142B	Policy relative to alterations affecting engine performance	Yes	
L147B	Anderol 471 all climate synthetic aircraft lubricant	No	
L154B	(1) Engine ordering. (2) Return of runout engines (3) Return of engines for special adjustment consideration	Yes	
L159D	Facilities for cylinder barrel repair	Yes	
L161C	Overhaul manual revision policy	Yes	
L162B	Heil-coil service repair kit.	Yes	
L163C	Recommendations regarding accidental engine stoppage, propeller strike, loss of propeller blade tip	Yes	
L171	General aspects of spectrometric oil analysis	Yes	
L172B	Use of ethylene glycol monomethyl ether (EGME) fuel additive such as Prist	Yes	
L173B	Slick Electro Inc Service Bulletin 2-80B	Yes	
L180A	Engine preservation for active and stored aircraft	Yes	
L181	Intake valve replacement, Ref S11280A, 1262A and 1302	No	
L182	Piston pin finish	Yes	
L183	Spin on oil filter lubricants	Yes	
L184A	Turbocharger control test set	No	Turbo engine only
L185B	The use of high octane aviation fuel 100LL Blue or 100 green for engines rated for 80/87 octane	No	Engines run on 91/96 or 100/130 octane
L186	Marvel-Schebler Bulletin No.A1-76 (Carburettor Cleaning)	No	Carburetors only
L188	Cylinders treated with black oxide finish	Yes	At cylinder replacement
L189	Prestolyte Service Bulletin ASM-11	No	Lamar regulators fitted

SL No	Subject	Applicable to AEIO-540 Engines	Comment
L190	Use of TCP fuel additive	No	
L192B	Spark plug fouling	No	
L193	Engine firing order	Yes	
L195	Revision of pullers	No	Engine overhaul
L197A	Recommendations to avoid valve sticking	Yes	
L199	Recommendations regarding use of fuel	Yes	See also SB 398 and SI 1070
L200	Disclaimer statement	Yes	
L202B	S40 engines using crankshafts with lightening holes used for aerobatic maneuvers	No	Solid flange cranks
L203	Lubricating oil recommendation	Yes	
L206A	Field reconditioned tappet bodies/cam followers	Yes	
L207	Bendix Service Bulletin 625	No	Slick mags fitted
L208	Breather options for aerobatic engine	No	
L209A	Usage of Lycoming piston engine manuals	Yes	
L214A	Discontinuance of camshaft exchange programme	No	
L216	Copyright of Avco Lycoming Williamsport publications	Yes	
L217	Counterweight tooling update kits	No	Engine overhaul
L218	Fuel pump adapters	No	Complied with in engine build
L220A	Non availability of Textron Lycoming new standard cylinder flange engines	No	
L221A	Warranty repair of Precision Airmotive Corporation fuel control products	Yes	
L222	Warranty repair of Teledyne Continental motors ignition components (previously Bendix)	No	Slick magnetos fitted

SL No	New part number code	Subject	Applicable to AEIO-640 Engines	Comment
L223			Yes	
L226	LW16702	oil additive discoloration	Yes	
L227A		Parts catalogue and applicable SSPs and/or revisions	Yes	
L228		Cracking of cylinder head exhaust port	Yes	At next inspection or overhaul
L229B		Discontinuance of Mobil AV1 synthetic lubricating oil	No	
L230		Textron Lycoming publications available on microfiche	Yes	
L231		Variable absolute pressure controller calibration valves for firesearch turbo control test set PNo481070-1	No	Turbo engines only
L232		Discontinuance of tool loaning	No	
L233		Better identification of reverse rotation ring gear support assy	No	Engines no reverse rotation
L234		Tool rental programme	Yes	
L235		Installation of Hartzell compact aluminium hub propeller on Comanche 250 aircraft	No	

SB No	Subject	Applicable to AE10-540 Engines	Comment
113		No	For Ground Test Only
183A	Ignition Timing, 100 hrs or less	Yes	Maintenance Schedule Covers this item
201E	Inspection and Straightening of Bent Crankshaft Flanges	No	
212B	Replacement of Straight Through Studs with Necked	No	
222C	Re-nitriding of Crankshafts. Applicable on Overhaul	No	At overhaul
225B	Replacement of Valve Rocker Thrust Washers (Angle Valve)	No	Parallel Valve Cylinders
235A	Engines Fitted with SN-20 & 21	No	Slick Mags Fitted
238	Magnetized Tappets	Yes	Applicable on Removal of Tappets
240N	Mandatory Replacements of Parts at Overhaul	No	At engine overhaul
271A	Cylinder Painting. (Cylinder hold down plates)	No	At cylinder overhaul - narrow deck cylinders
273A	Mod thru studs at overhaul	No	At engine overhaul
276	Front Main Bearing Replacement (Overhaul)	No	At engine overhaul
283	One Piece Main Venturi	No	Not applicable to injected engine
301B	Maint Proc & Service Life Limitations for Valves	Yes	On Removal of Cylinders
305B	Replacement of Bendix Fuel in Diaphragm	No	AD67-22-06 refers - complied with in build
311	Mag Drive Replacement	No	
330B	Lock Wire Throttle Arm Carb	No	Not applicable to injected engines
331	Injector Lines Insp	No	
340	Bendix S1200 Mags Securing Primary Coil Lead	No	Not applicable Slick Magnetos Fitted
341	S1200 Series Mags Carbon Brush Spring	No	Not applicable Slick Magnetos Fitted
342B	Injector Line & Clamp Inspection	Yes	FAA AD93-02-05 Repetitive 150 hr inspection
343B	Bendix Mags Distributor Block ILub	No	
347	Turbine Housing Replacement	No	Turbo engines only
348A	Valve Clearance Angle Valve Cylinders	No	Parallel valve cylinders
356	Addition of Alternator Support Bracket T10-540-A2C	No	

SB No	Subject	Applicable to AEIO-540 Engines	Comment
357	Engine Insp in Event of Immersion in Water	Yes	On Immersion in water
361	Turbochargers not to Spec (Turbo engines only)	No	Turbo engines only
366	Carb Leak Check at Main Gasket	No	Carburettor engines only
367F	Piston Pin Failure	No	Not applicable by Piston Part Number
369I	Engine Inspection After Overspeed/Overboost	Yes	On reported overspeed
370	AC Full Flow Oil Filters Only	No	Spin on Oil Filters Fitted
372B	H/Tensile Clamping Bands T10-540	No	Turbo engines only
373	S1200 Series Bendix Mags Reworked Dist Block	No	Slick Mags Fitted
374	Fuel Pump Leaks.	No	Not applicable by Part Number
377	Turbo Check Valve Mod (Turbo only)	No	Turbo engines only
381C	Oil Pump Woodruff Key Impeller Replacement	No	Not applicable by Engine Number
382	Bendix Flow Divider Insp and Mod (1974)	No	Not applicable by Date of Manufacture
385C	Oil Pump Impeller Drive Replacement (1975)	No	Not applicable by Date of Manufacture
388B	Exhaust Valve and Guide Inspection. 400 hr insp.	Yes	Scheduled Maintenance
389	Turbo Check Valve Replacement	No	Turbo engines only
392B	Reinforced Crankcase	No	Turbo engines only
398	Incorrect Fuel Use	Yes	Use of Unspecified Fuel
399	Safe Qty Lubricating Oil AEIO Series	Yes	Refer to Lycoming Operators Manual
400	Inst Teflon Thrust Buttons Parallel Valve Cylinder	No	Not applicable by Date of Manufacture
401	Recommendations for A/C Struck by Lightning	Yes	
403	Aerobatic Engine Lubrication Requirements	Yes	Minimum Quantities for Operation
404	Exhaust Valve Insp Low Compression/High Lead Fuel	No	Not applicable by Engine Serial No
406	Romec/Tital AN Type Fuel Pumps	No	Not applicable by date of manufacture
410	Bendix D-2000 Mags Points Insp	No	Slick Mags Fitted
414	Bendix D-2000 Mags Rear Bearing Failure	No	Slick Mags Fitted

SB No	Subject	Applicable to AEIO-540 Engines	Comment
415A	Bendix D-2000/D-2200 Clearance Rotating Magnet	No	Slick Mags Fitted
416A	Bendix D-2000/D2200 Retention of Coils	No	Slick Mags Fitted
417	Air Inlet Housing	No	Turbo engines only
418	Waste Gate Control	No	Turbo engines only
421	Fuel Line Inj to Pump 10-540-G1B5	No	
425B	S20, 1200, D2000, 3000 Mags Rivetted Imp Couplings	No	Slick Mags Fitted
427A	10.353110 Bearing D-2000,2200 Mags	No	Slick Mags Fitted
428	Modified Centre Body Seal Fuel Injector (RSA-5AB1)	No	(5AD1*) (10AD1) Not applicable by date of manufacture
430	Modified Centre Body Seal Fuel Injuector RSA10DB1	No	Slick Mags Fitted
433A	Insp Fuel Diaphragm RSA-5AD1-5AB1 & RS-10AD1	No	Injectors man/overhauled between 4/1977 & 8/1978 only
436	Contaminated Carburettors Cessna TR182 only	No	Cessna Aircraft only
437	Magneto Distributor Blocks T10-540-R only	No	Turbo engines only
438A	Distortion Magneto Housing & Coil Retention	No	Slick Mags Fitted
439A	Insp Con Rods for V-Fretting & Galling at Overhaul	Yes	At engine overhaul
440	Air Research Absolute Pressure Controller	No	Turbo engines only
441	Injector Mod	No	Turbo engines only
442	Injector Mod Regulator Nut Security	No	1 off compliance 1979
444A	Mod Mixture Shaft Ass on RS Fuel Injectors	No	10FB1,10ED2,10B1,10B2
445	Fuel Diaphragm Separation from Stern	No	RSA 10ED1,10DB1,10DB2
448A	Turbo Charger Transition Waste Gate Assembly	No	Turbo Engine only
450	Air Research Bypass Valves	No	540F & J Engines
452A	Air Research Turbo Inspection	No	Turbo Engines only
456F	Replacement Sintered Iron Oil Pump Impellers	No	New Engines before 1981 & Remanufactured
458	Bendix Distributor Block Replacement	No	Slick Mags Fitted
459	Bendix D-3200 Mag	No	Slick Mags Fitted

SB No	Subject	Applicable to AEIO-540 Engines	Comment
460	Bendix D-3000 Mags*	No	
461	Bendix D2000-D2200 Mags Loose Dist Electrode	No	
463	Turbo Mounting Bracket	No	Turbo Engines only
464A	Impulse Coupling Failure	No	Mags do not have Impulse Coupling
466	Inspection of Oil Filter Base Adaptor	No	Not applicable by manufacturing date
467	Fuel Inj Insp -Fuel Inj Diaphragm Needs Replacing	No	AD79-21-08 refers
468C	Slick 4200 S ERies Magnetos Bearing Inspection	No	Not applicable by manufacturing date
469	Bendix 6 Cylinder Dual Magnetos	No	Slick Mags Fitted
470	Bendix Dual Mags Replace Impulse Coupling Spring	No	Not applicable to Retard Breaker Mags
472	Disassembly Wide Cylinder Flange Crankcases	Yes	At overhaul or stripdown only
474	Bendix Replacement of Brown Magneto Dist Block	No	Slick mags fitted
475B	Crankshaft Gear Mod on Sudden Stoppage	No	
477A	Inspection of Rework of Rocker Arm Assys	No	Not applicable by date of manufacture
478A	Slick Magneto Impulse Coupling 500 hr Inspection	No	Not applicable to retard breaker mags
480	Oil Filter Change & Cleaning Recommendations	Yes	Maintenance Schedule
482	Crankshaft Flange Area Cracking AEIO-540-D Series	Yes	
483	Facet MA4-5,MA5,MA6 Carburetors	No	Not applicable - Carbs only
484	Exhaust Inspection T10-540-S1AD	No	Turbo engines only
486	Inspection Single Belt Drive Starter Ring Ass	No	N/A Engines Shipped After Jan 1988-12 June 1989 inc
487	Fuel Pump Vent Restriction T10-540-Ae2A	No	Turbo engines only
489A	Oil Sump Baffle Ass	No	
490A	Installation of Intake & Exhaust Valves	No	LT10-540-V2AS & W2A only
491A	Exhaust Transition Bolts Inspection of Exhaust	No	Turbo engines only
492A	Redesigned "V" Band Coupling for Tailpipe Inst	No	Turbo engines only
494	Installation of Fuel Pump Vent Fittings	No	Turbo engines only

SB No	Subject	Applicable to AEIO-540 Engines	Comment
495	Replacement Composite Floats Precision Air Motive	No	Carburetors only
496	Lear Romec Fuel Pumps	No	Not applicable by Pump Pt No
497	Installation of Restricted Fuel Pump Vent Fittings	No	Turbo engines only
499B	One Piece Exhaust Installation T10-540 S1AD	No	Turbo engines only
500A	Lear Romec Fuel Pumps	No	N/A by date of manufacture of Pump Oct 86-Dec 89
501B	Recall of Piston Pins LW14077	No	Manufactured between 18 June 91 & 5 Aug 91
502	Replacement of Intake Valves LW13262	No	Turbo engines only
503	Exhaust Valve Guide Replacement T10-540-AF1A	No	
504	Consolidated Fuel Systems Replacement Floats	No	Not applicable to fuel injected engines
505A	Inspection of Crankshaft ID for Corrosion	No	
506	Lear Romec Regulator Valve Replacement	No	T10-540-S1AD Engines only
507	Spot Faces Missing Pt No.74218 Cylinder Head	No	VO-435 & TVO-435
508	Impulse Coupling Cracking (Bendix)	No	Slick Mags fitted
509	Aeroquip 601 Fuel Hoses (Red Sockets) 2 yrs life	Yes	Subject hoses replace at 2 yrs
510	"O" Rings on Inj Nozzle	No	N/A by date and engine type
511	Alternator Bracket Mod	No	T10-540-AEZA only
512	Exhaust Clamp Inspection	No	T10-540-AEZA only
514	McCaughey SB202A Reprint (Governor)	No	Not applicable - Woodward Governor fitted
515	TCM Ignition System Service Intervals	No	Slick Mags fitted
516	Insp/Removal Bendix Impulse Couplings	No	Slick Mags fitted
517	TCM Bendix Mags Capacitors Unsafe Operation	No	Slick Mags fitted
518C	Inspection of Thermostatic Bypass Valve	Yes	See SAL SB 72
519	Removal Shroud Retaining Springs/Seals Further Fit	Yes	April 1994-May 1994 (kits)
520	Incorrect Pistons Shipped with Cylinder Kit	Yes	PN75089 N/A to new engines (cylinder replacement only)
521	Inspection Exhaust System Slip Joints T10-540-AEZA	No	Turbo engines only

SB No	Subject	Applicable to AEIO-540 Engines	Comment
522	Replacement of Pushrod PN63806 0235 Series	No	
523	Replacement of Waste Gate Transition	No	Turbo engines only
524	Replacement iron oil/aluminium pump impellers	No	Engines from factory after 31 March 85 are compliant
525	Inspection of High pressure Fuel Pumps	Yes	See SAL SB 119
527	Recall of Piston Pin LW-14077	Yes	See SAL SB 116
526	Replacement of Impulse Coupling (Bendix)	No	Slick Mags Fitted
528	Bendix Magneto Distributor Gear Maintenance	No	Slick Mags Fitted
526	Replacement of Impulse Coupling (Bendix)	No	Slick Mags Fitted
528	Bendix Magneto Distributor Gear Maintenance	No	Slick Mags Fitted

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1002	Air Filter Maintenance	Yes	See SAL Maintenance Manual
1008	Oil Cooler Bypass Valve	No	
1009AK	Engine TBO	Yes	
1011G	Hydraulic Valve Lifters	Yes	
1012F	Correct Location of Crankshaft Counterweights	Yes	As required
1014K	Lubricating Oil Recommendations	Yes	
1016C	Camshaft and Gear Replacement	No	Complied with in build
1020B	Camshaft Main Bearing Replacement	No	Complied with in build
1029D	Tightening Procedures for Crankcase Thru Studs and Bolts	Yes	
1037K	Approved Pistons, Rings and Cylinders Lycoming Engines	Yes	
1042T	Approved Spark Plugs	Yes	
1043A	Spark Plug Heil-Coil Insert Replacement	Yes	
1047B	Inspection Procedures Nitrided Cylinder	No	At overhaul

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1059C	Pre Lube of Engine Parts Prior to Assembly	Yes	
1060G	Pushrod Identification	Yes	
1070L	Specified Fuels	Yes	
1075A	Removal of Pushrod Shrouds on Engines with Top Exhausts	No	
1076	Bevel Gears Backlash	No	At overhaul
1080A	Maintenance Items for Special Inspection	Yes	See SAL Maintenance Manual
1092A	Valve Seat Replacement Tools & Procedures	No	At cylinder overhaul
1094D	Fuel Mixture Learning Procedures	Yes	See Flight Manual Procedures
1098F	Propeller Flange Bushing Location	No	
1106D	Conn Rod not Crimping Requirements	No	At overhaul
1110C	Replacement AC Fuel Pumps	No	
1111	Reconditioned Worn Oil Seal Surface	No	
1112E	Repair of Fretted Crankcases	No	At overhaul

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1113A	Revised Crankshaft Assembly Sludge Tubes	No	
1121	Identification of Starters and Ring Gears	Yes	
1122A	Repair Procedures for Turbocharger Parts	No	
1123C	Installation of 'O' Rings and Dowells at thru Stud Locations	Yes	At overhaul
1124B	Oil Consumption Test Limits	No	At overhaul
1125B	Crankcase Sealing Alternate Sealants	No	At overhaul
1126	Bendix Mags	No	Slick Mags Fitted
1129A	Checking of Alternator Belt Tension	Yes	
1130	Identifying Crankshaft Counterweights	No	At overhaul
1132A	Magneto Drop off	Yes	See SAL Manual Requirements
1135A	Cylinder Head Inspection	Yes	At overhaul of Cylinder
1136A	Exhaust Valve and Guide Replacement	Yes	At overhaul
1139	Scintilla SB 510, 511	No	Slick Magnetos Fitted

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1140	Repair of Magneto Bearing Recess in Crankcase	No	if required at overhaul
1141	Replacement of Worn Starter Ring Gear	Yes	
1142B	Replacement of Worn Crankshaft Counterweight Bushings	No	At overhaul
1143B	Counterweight Tooling and Bushing Update	No	At overhaul
1148B	Use of Carb Heat Control	No	
1152A	Punch Marks on Crankshaft Counterweight Lobes	No	At overhaul
1154F	FAA Approved Starters, Generators, Alternators, Regulators and Relays	Yes	
1157	Periodic Maintenance of Starter Motors	Yes	
1164A	Oil Pump Application	No	At overhaul
1166A	Bendix Fuel Injector Bulletin No.20	No	
1168B	Repair of Intake Pipes in Sump	No	
1172C	Repair/Replacement of Oil Pressure Relief Valve Seat	Yes	
1173	Intake Pipe Mounting Stud Replacement	No	Completed With in Build

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1176	Valve Rocker Shaft Repair	No	Complied With In Build
1177B	Governor Drive Bearing Replacement in Crankcase	No	At overhaul
1181	Colour Code on Lycoming Cylinders	Yes	
1185	Interference Between Crankcase and Crankshaft	No	At overhaul
1186	Removal of Filter Screens from Injector Nozzles	No	
1187G	Turbo Charger Density Controller Adjustment	No	
1190	Exhaust Manifold Tube Modification	No	Turbo Engine Only
1191	Cylinder Compression	Yes	
1193	Inspection in Event of Valve Failure	Yes	
1197	Repair of Idler Gear Shaft Recess	No	At overhaul
1200A	Honing Exhaust Valve Guide During Replacement	No	At overhaul
1204B	Exhaust Flange Gaskets	Yes	
1205	Standards for Crankshaft Journal Diameters	No	At overhaul

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1206	Checking Carburettor Float Clearances	No	Carburettors only
1213	Increased Torque Value for Connecting Rod Bolts	No	At overhaul
1215	Installation of Shroud Tubes for Up Exhaust Engines	No	
1218A	Camschaft with Integral Drive Gear	No	At overhaul
1221A	Dry Air Pump Drive Oil Seal Replacement	No	Complied With In Build
1223	Airesearch SI 969-1 Service Bulletin	No	Turbocharged Engines Only
1225D	Crankcase Bearing Dowel Replacement	No	At overhaul
1226	Bendix Magneto Service (Bulletin No.545)	No	Slick Mags Fitted
1228A	Modification of Cylinder Hold Down Plates	No	Wide Deck Cylinders Fitted to AEIO-540-D4A5
1230B	Oil Pump Impellers	No	Pump at later mod state
1237A	Prestolite Service Bulletin ASM3 and ASM4	No	Twin Alternator Installations Only
1238A	Assembly of 'V' Band Couplings	No	Turbocharged Engines Only
1240C	Valve Spring Replacement	No	At overhaul

SI No	Subject	Applicable to AEIO-540 Engines		Comment
		Yes	No	
1241B	Pre Oiling of Engines Prior to Initial Start			
1243	Piston Identification and Inspection	No		At overhaul
1244	Bendix Service Bulletin No.RS-35 Mod to Issue 7	No		
1249	Alternator Pulley and Shaft Ass	No		
1253	Prestolite Service Bulletin ASM-5	Yes		
1254	Alternator Belt Replacement	No		
1255	Thermostatic Oil Cooler Bypass Valve Replacement	No		USAF Engines Already at this Mod State Also refer to LSB 518
1256E	Valve Guides for Service Use	No		At overhaul
1257E	Horsepower, Manifold Pressure and RPM Values	No		Supercharged and Turbocharged Engines
1260	Bendix Service bulletin 533A	No		Slick Magnetos Fitted
1262	Small Head Intake Valves and Venturi Seats	No		
1265A	Serrated Throttle Lever Shaft	No		Carburetors only
1266	Alternator Ground Strap	No		N/A to Alternator Pt No

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1267B	Piston Pin Plug Usage	No	
1270A	Alternator Mounting Bracket Shims	Yes	
1274B	Silicone Coated Fuel and Oil Hoses for Service Replacement	Yes	
1275B	Cleaning Fuel Injector Nozzles	Yes	
1276	Bendix Service Bulletin 529A	No	Slick Mags Fitted
1277A	Shroud Tube Retaining Components	Yes	
1278	Starter Drive Lubrication	Yes	See Maintenance Manual Requirements
1279A	Oil Sump Baffle Replacement	No	
1282	Bendix Mgneto Bulletin 560	No	Slick Magnetos Fitted
1283A	Installation of Alternator Cog Belt and Pulley	No	
1284A	Shroud Tube Retaining Spring Replacement	No	
1285A	Magnetic Particle Inspection	No	At overhaul
1286B	Turbochargers with Stainless Steel Housings	No	

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1290D	Repair of Oil Leakage at Crankcase Thrusted Locations	Yes	
1291	Ignition System for High Altitude Operation	No	Turbocharged Engines Only
1298	Engine Mounting Dowel Removal	No	N/A by Manufacturing Date
1299A	Magneto Drive Gear and Cushion Mod	No	N/A to Magneto Drive
1301A	Identification of Primer and Fuel Injector Lines	Yes	
1302A	Rotator Intake Valve with Small Diameter Head	No	
1304G	Engine Name Plate Replacement	Yes	
1306A	Compressor Mitg Brkt Installation	No	Britten-Norman A/C
1307B	Connecting Rod Bolt Assembly and Torque Application	No	At engine overhaul
1308D	Pressurised Magneto Pressure Test	No	Pressurised Mags not Fitted to Engine
1309	Leaf Skgler Fuel Pump Modification	No	
1310A	Lockwire for Idler Shafts	No	
1311A	Oversize Connecting Rod Bolts	No	At engine overhaul

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1313A	Oil Squirt Turbocharger Installation	No	Turbocharged Engines Only
1314	Replacement Slick Ignition Leads on Bendix Mags	No	Slick Mags and Leads Fitted
1316A	Repair of Oil Cooler Bypass Valve Seat	Yes	
1320	Tightening Procedure for Exhaust Manifold Components	No	Turbocharged Engines Only
1324A	Crankshaft Oil Seals	Yes	
1327	Bendix agneto Bulletin 580 - Securing Screws Breaker	No	Slick Mags Fitted
1332	Bendix Mag Bulletin 573 - Distribution Block Green	No	Slick Mags Fitted
1334A	Crankcase Tappet Repair	No	At engine overhaul
1335	Bendix Service Letter No.22 - Mixture Control Maintenance	Yes	
1336	Tappet Body Identification	No	At engine overhaul
1338	Hydraulic Pump Drive Shaft Modification	No	Turbocharged Engines Only
1340	Piston Pin Identification	No	N/A by Manufacturing Date refer LSB527C Also
1341	Oil Pump Idler Shaft Lubrication	No	Complied with In Build

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1342	Increased Exhaust Valve Guide Clearance	No	
1343A	Set Screw for Propeller Governor Idler Shaft	No	At engine overhaul
1347	Repair of Shroud Tube Seal Surface	No	
1354B	Crankcase Thrust Face Repair	No	At engine overhaul
1355	Intake Pipe Extension and Clamps	No	Complied with In Build
1359	Connecting Rod Cap Modification	No	
1365	Bendix Service Bulletin 597	No	Slick Magnetos Fitted
1367	Bendix Service Bulletin 588	No	Slick Magnetos Fitted
1370	Carburettor Mixture Control Retainer	No	Carburettor only
1373	Marvel-Schebler SB A2-78	No	Carburettor only
1374B	Slick Magnetos	Yes	
1375	Bendix Scintilla SB603	No	Slick Harnesses Fitted
1377	Crankcase Main Bearing Bore Repair/Oversize Main Bearings	No	At engine overhaul

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1378	Bendix Service Bulletin No.SSB-317	Yes	
1379	Oil level Gauge Kit	No	
1380	Engine Mtg Bracket Attachment Nuts	Yes	
1382	Bendix SB592	No	Slick Mags Fitted
1384	Turbocharger Support Assembly	No	Turbocharged Engines Only
1391	Exhaust Manifold Tube Alignment	No	Turbocharged Engines Only
1396	Redesigned Induction Air Housing	No	Turbocharged Engines Only
1397	Oil Overflow from Beather Fitting on Aerobatic Series Engines	Yes	See SAL Maintenance Schedule/Programme
1398	Marvel-Schebler Carburetor Mod	No	Carburetors only
1400	Bendix Service Bulletin 608	No	Slick Magnetos
1404A	TBO for Bendix Fuel Injector System Components	Yes	At Engine TBO
1408	Engine Mounting Replacement	No	
1409A	Oil Additive LW-16702	Yes	

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1410	Exhaust Manifold Pipe Improvement	No	Turbo Engines
1413	Marvel-Tillotson SB 41-81	No	Carburetors Only
1414	Bendix SB RS-77 Rev 1	No	Complied with in Engine Build
1416	Airesearch Service Letter TP61-0039 Bypass Valve Mod	No	Turbocharged Engines Only
1417	Crankshaft Gear Shaft Bore Repair	No	
1418	Combustion Chamber Cleaning Procedure	Yes	
1420	Fuel Pump Drive Spline Lubration	No	N/A to Type of Pump
1422	Exhaust System Inspection	No	Turbocharged Engines Only
1423	Thermostatic Oil Cooler Bypass Valve Part No. 75944	Yes	See SAL SB72
1424	Installation Procedure for Hydraulic Tappet Assemblies	Yes	
1425	Suggested Maintenance Procedure to Reduce the Possibility of Valve Sticking	Yes	
1427B	Reciprocating Engine Break in Procedure and Oil Consumption Limits	Yes	
1430	Exhaust Valve Replacement	No	Complied with at Engine Build

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1431	Adjustment of Fuel Metering and Turbocharger Linkage	No	Turbocharged Engines Only
1432	Installation of High Crush Thin Wall Rear Main Bearings in Crankcase Without Retension Dowels.	No	At engine overhaul
1433	Bendix Service Bulletin 626	No	Dual Mag Not Fitted
1435	Conversion from Constant Speed Propeller to Fixed Pitch Propeller	No	Constant Speed Application
1437	Engine Timing Marks	Yes	
1438	Propeller Governor Pad Plate Part No. LW-12347	No	Rear Drive Pad Only
1439	Installation of New Integral Camshaft and Gear Assembly	No	Standard Cylinder Flange Engines Only
1442	Improved Oil Filter Bypass Valve	No	Complied with In Build
1443C	Approved Slick Magnets on Textron Lycoming Engines	Yes	
1446	Possible Ruptured Pressure Regulator Diaphragm in a Fuel Pump	No	Leir Seigler Pump
1447B	Lightweight Starter Installation Instructions	No	Standard Starter Fitted
1448	Installation of Tailplanes and Heater Muffler Covers	No	Piper Aircraft Only
1450	Alternate Connecting Rod Bolt and Torque Application	No	At engine overhaul

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1451A	Alternator, Starter and Compressor Installation	No	
1453	Replacement of Oil Filter Converter Plate Gasket	No	
1454	Parallel Valve Rocker Installation	Yes	
1457	Textron Lycoming Remote Mount Oil Filter Kit	No	
1458	Soft Connecting Rod Bolts	No	At engine overhaul
1461	Improved Pinion for Lightweight Starters	No	Standard Starter Fitted
1462	Propeller Oil Control Leak Test Procedure (with Prop on Engine)	Yes	
1463	Improved Contollers for T10-540-AE2A Engines	No	Turbocharged Engines Only
1464	Aeroquip Bulletin AA91	Yes	
1467	Connecting Rod Assemblies	No	At engine overhaul
1468A	Exhaust Valve Rocker Assy	No	
1469	Connecting Rod with High Tensile Strength Bolts	No	
1470	Replacement of Teledyne Continental S20 and S200 Series Magnetos with SC20 and SC200 Series Magnetos (Short Cover)	No	Slick Mags Fitted

SI No	Subject	Applicable to AEIO-540 Engines	Comment
1471	Piston Usage	No	Turbocharged Engines Only
1472	Removal of Preservation Oil from Engine	Yes	
1473	Standardisation of Crankshaft Flange Thickness	Yes	
1474	Improved Differential Controllers for T10-540-AF1A Engines	No	
1479A	T10-S40-AF1A Oil Cooled Exhaust Valve Guide Kit	No	
1483	Valve Leak Check	Yes	
1481	Factory Engine Preservation	Yes	