

SERVICE INFORMATION No. SI 40-159

NOTE: SI's are used only:

- 1) To distribute information from DAI to our customers.
 - 2) To distribute applicable information/documents from our suppliers to our customers with additional information.
- Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

I. TECHNICAL DETAILS

1.1 Airplanes affected:

All DA 40 /F airplanes

1.2 Subject:

Lycoming Service Bulletin No. 632 Connecting Rod Inspection with Non-Conforming Small End Bushings

ATA-Code: 72-00

1.3 Reason:

Lycoming has issued Service Bulletin No. 632 mandating an identification of Connecting Rod assemblies or Connecting Rod Bushings on certain engine serial numbers. Affected Connecting Rod assemblies and Connecting Rod Bushings may be shipped as spares.

1.4 Information:

For detailed technical information refer to Lycoming Service Bulletin No. 632 which is applicable without any further additions or restrictions.

II. OTHERS

Lycoming Service Bulletin No. 632 is attached to this Service Information.

In case of doubt contact Lycoming.



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MANDATORY

SERVICE BULLETIN

DATE: July 17, 2017

Service Bulletin No. 632
Engineering Aspects are
FAA Approved

SUBJECT: Identification of Connecting Rods with Non-Conforming Small End Bushings

MODELS AFFECTED: All Lycoming Engines

TIME OF COMPLIANCE: Within the next 10 hours of engine operation

NOTICE: Incomplete review of all the information in this document can cause errors. Read the entire Service Bulletin to make sure you have a complete understanding of the requirements.

This Service Bulletin contains required action 1) to identify connecting rods that contain bushings that do not meet Lycoming Engine’s specifications and 2) any applicable follow-up corrective action.

Table 1 identifies affected engine models and serial numbers of new, rebuilt, or overhauled engines shipped from Lycoming Engines. Table 2 identifies the part numbers of suspect connecting rod bushings and connecting rods (that could contain the suspect connecting rod bushing) shipped from the factory within specified time ranges.

⚠ WARNING: YOU MUST COMPLETE THE “REQUIRED ACTION” IN THIS SERVICE BULLETIN. IF YOU DO NOT COMPLETE THE “REQUIRED ACTION” IN THIS SERVICE BULLETIN, AND THE CONNECTING ROD BUSHING MOVES OUT OF PLACE, THE CONNECTING ROD CAN FAIL AND CAUSE UN-COMMANDED STRUCTURAL ENGINE FAILURE.

Required Action

1. Identify and isolate/segregate affected engines and engines with suspect connecting rod assemblies or connecting rod bushings:
 - A. Refer to the engine serial numbers in Table 1 and identify affected engines in your fleet.
 - B. Contact your Lycoming parts source to review your parts invoice shipment dates as well as maintenance and engine logbooks to identify any engine in your fleet that could have one or more suspect connecting rod bushings (identified in Table 2) or connecting rod assemblies (identified in Table 2).
2. As you complete the remaining “Required Action” steps, complete the online survey at www.lycoming.com/SB632.
3. Complete the “Connecting Rod Inspection” in this Service Bulletin on all affected engines in Table 1 and on any engine which could have suspect connecting rods or connecting rod bushings (Table 2).
4. Review your spares inventory records and physical inventory of all connecting rod bushings and connecting rod assemblies for part numbers and ship dates in Table 2:
 - A. Remove and quarantine all suspect connecting rod bushings and connecting rod assemblies identified in Table 2 from your spares inventory.
 - B. Arrange for the return of all suspect connecting rod assemblies and connecting rod bushings (identified in Table 2) through the Lycoming Distributor from which they were originally procured in exchange for conforming replacement parts.
5. If applicable, file a warranty claim per the “Limited Warranty” in this Service Bulletin.



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Connecting Rod Inspection

1. For engines with serial numbers identified in Table 1 or for any engine that contains a suspect connecting rod assembly (in Table 2) or connecting rod bushing (in Table 2) installed in the field:
 - A. Remove the rocker box cover, rocker box cover gasket, rockers, pushrods, and shroud tubes per instructions in the applicable Lycoming Engines' manual. Discard the rocker box gasket and shroud tube O-rings
 - B. Remove the cylinder fasteners at the base of each engine cylinder (Figure 1) to pull the cylinder out just enough to enable removal of the piston plugs and piston pin in the next step. **Do not pull the cylinder completely past the piston rings since it could require additional work and parts replacement.**

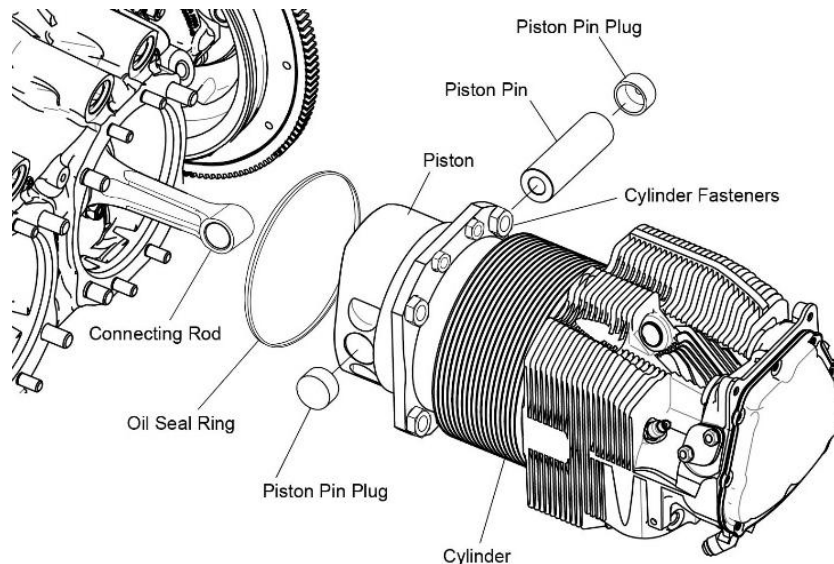


Figure 1
Cylinder, Piston Pin Plugs, Piston Pin, and Piston

NOTICE: A plastic drift and lightweight hammer can be used if the piston pin plugs are difficult to remove.

- C. Support the cylinder and piston and remove the piston pin plugs and piston pin from the connecting rod.
- D. Remove the cylinder and piston as a unit from the connecting rod.
- E. Remove the oil seal ring (Figure 1) from the cylinder base and install it on the two studs in the crankcase to support the connecting rod as shown in Figure 2.



Figure 2
Oil Seal Ring Installed on the Crankcase Studs

- F. Complete the "Connecting Rod Bushing Press-Out Verification Procedure" in this Service Bulletin.

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Connecting Rod Bushing Press-Out Verification Procedure

NOTICE: A crescent wrench, 1/4-inch Allen socket, 1/4-inch or 3/8-inch ratchet, and extensions as necessary are required to complete this procedure.

1. Use the “Connecting Rod Bushing Inspection” in the latest revision of Service Bulletin No. SB-630 to identify an initial reference point or measurement for the connecting rod bushing position to determine if connecting rod bushing movement has occurred during this procedure.
2. Remove the bottom section from the ST-531, Connecting Rod Bushing Press-Out Verification Tool (Figure 3).

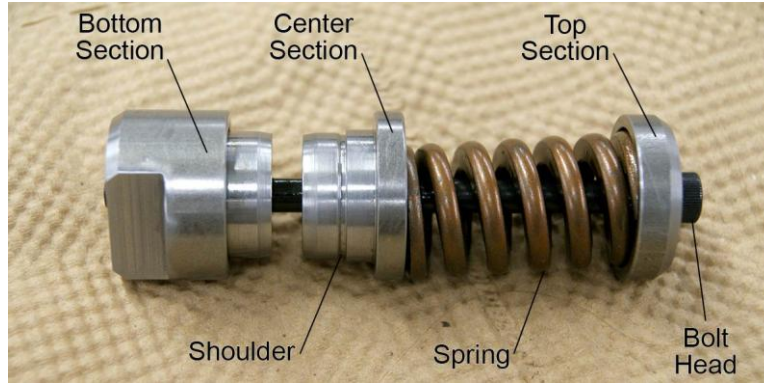


Figure 3

ST-531, Connecting Rod Bushing Press-Out Verification Tool

3. Apply a coating of clean engine oil to the threads of the bolt, the shoulder on the center section, and under the head of the bolt of the ST-531 (Figure 4).

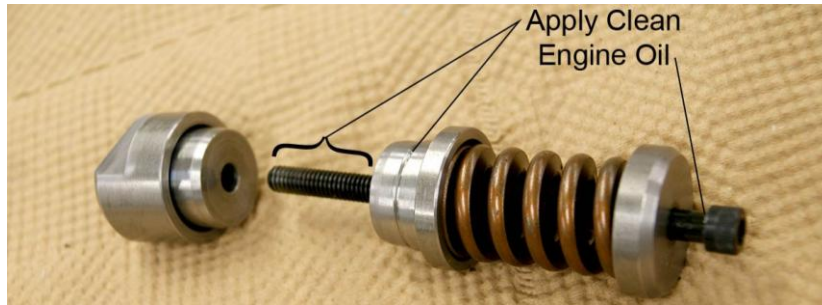


Figure 4

ST-531 Lubrication Points

4. Install the tool in the piston end of the connecting rod (Figure 5) and reinstall the bottom section.
5. Hold the bottom section of the ST-531 and turn the bolt head until finger-tight (Figure 6).

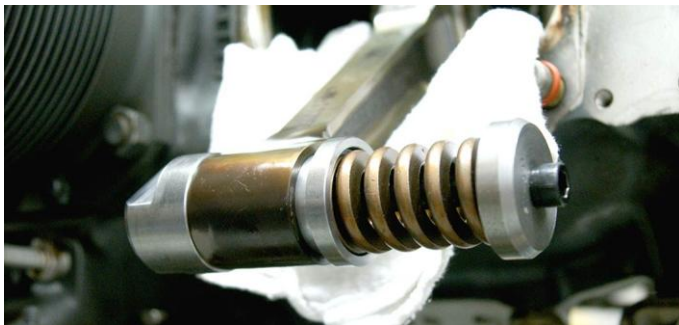


Figure 5

ST-531 Installed in the Connecting Rod



Figure 6

Turn the Bolt Head of the ST-531

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6. Make sure:

- The bottom section of the tool is in contact with the connecting rod
- The shoulder of the center section of the tool is in contact with the connecting rod bushing
- The head of the bolt is in contact with the top section of the tool
- The spring is seated correctly in the tool as shown in Figure 7. Figure 8 shows **incorrect** seating of the spring.

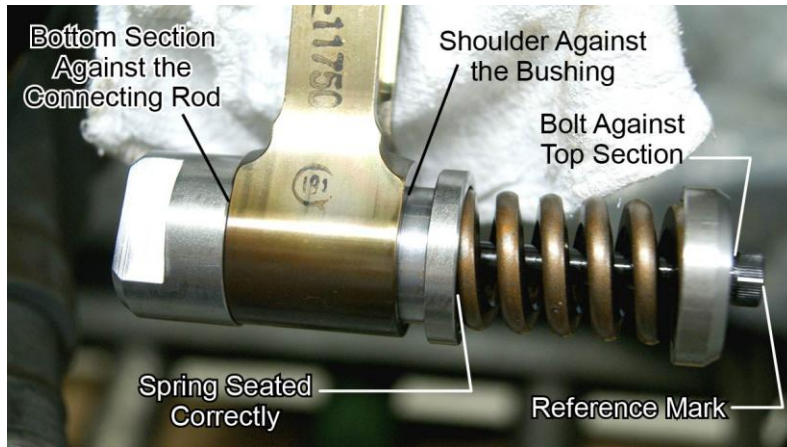


Figure 7

ST-531 Correctly Installed in the Connecting Rod

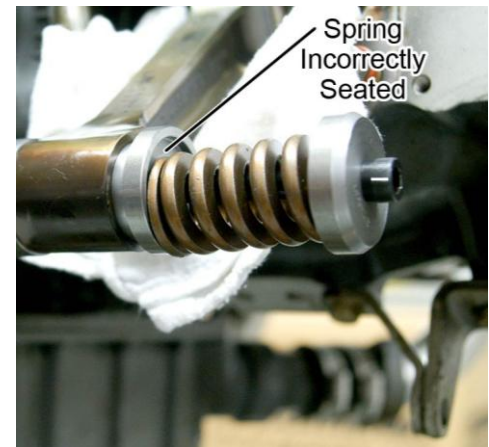


Figure 8

Spring Incorrectly Seated in the Tool

7. Use a marker to make a reference mark on the bolt head (Figure 7) to ensure an accurate count of the required number of turns during the procedure.
8. Use a wrench to hold the bottom section of ST-531 and turn the bolt with the ratchet and 1/4-inch Allen socket clockwise six full turns (Figure 9). **Do not exceed 6 turns.**



Figure 9

Turn the Bolt 6 Turns

9. Turn the bolt counter-clockwise until the bottom section can be removed from the ST-531 and the tool can be removed from the connecting rod.

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10. Compare the reference point or measurement after removing the ST-531 to the initial reference point or measurement to determine connecting rod bushing movement.

A. If the connecting rod bushing has moved,

- (1) Order new parts as necessary. Refer to the “Parts Required Table” in the “Parts Required for Reassembly” section of this Service Bulletin.
- (2) Remove the connecting rod assembly from the affected engine per the “Connecting Rod Removal” procedure in this Service Bulletin.
 - Lycoming will replace connecting rods removed from engines listed in Table 1 and connecting rod assemblies sold separately in Table 2.
 - Lycoming will provide a replacement bushing sold separately in Table 2.

NOTICE: Warranty is in accordance with the “Limited Warranty” section in this Service Bulletin. If either your engine or connecting rod assembly are still under warranty, send the connecting rod assembly to Lycoming Engines, through an Authorized Lycoming Distributor, for replacement. Do not remove the connecting rod bushing from the connecting rod.

- (3) Install the replacement connecting rod with new connecting rod bearings per instructions in the “Connecting Rod Installation” procedure in this Service Bulletin.
- (4) Reinstall the piston, piston pin, piston pin plugs, and cylinder per instructions in the applicable Lycoming Engines’ manual.
- (5) Record the results of the “Connecting Rod Bushing Press-Out Verification Procedure” and the part number (Figure 10), lot number, and serial number (Figure 11) of each connecting rod to Lycoming Engines on the online survey at www.lycoming.com/SB632.

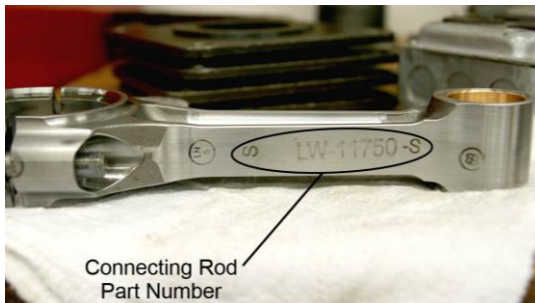


Figure 10
Connecting Rod Part Number

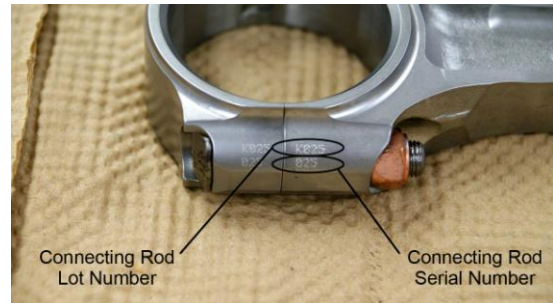


Figure 11
Connecting Rod Lot Number and Serial Number

B. If the connecting rod bushing has not moved:

- (1) Record the results of the “Connecting Rod Bushing Press-Out Verification Procedure” and the part number, lot number, and serial number of each connecting rod in the engine logbook.
- (2) Order new parts as necessary. Refer to the “Parts Required Table” in the Parts Required for Reassembly section of this Service Bulletin.
- (3) Reinstall the piston, piston pin, piston pin plugs, and cylinder per instructions in the applicable Lycoming Engines’ manual.
- (4) Record the results of the “Connecting Rod Bushing Press-Out Verification Procedure” and the part number (Figure 10), lot number, and serial number (Figure 11) of each connecting rod to Lycoming Engines on the online survey at www.lycoming.com/SB632.

NOTICE: Since the piston rings and piston were not removed, it will not be necessary to complete an engine break-in to seat the piston rings.

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Connecting Rod Removal

NOTICE: If the two nuts in the connecting rod cap cannot easily be removed, use a soft (plastic head) mallet and gently tap on the end of the two bolts to remove the nuts and the bolts.

1. Remove and discard the two nuts (Figure 12) and the two bolts that attach the connecting rod cap to the connecting rod.

CAUTION: DO NOT RE-USE THE CONNECTING ROD BEARINGS, BOLTS, AND NUTS.

2. Remove the connecting rod cap and connecting rod.
3. Remove and discard the two connecting rod bearings.

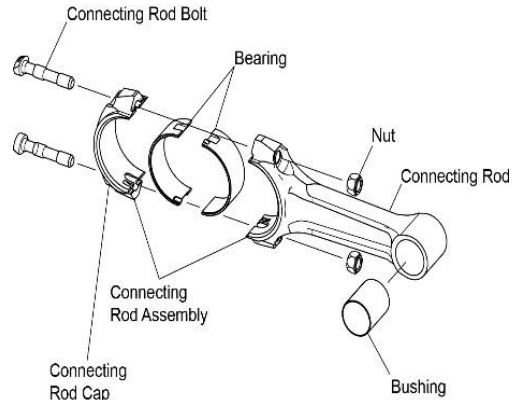


Figure 12
Connecting Rod Parts

Connecting Rod Installation

NOTICE: Each connecting rod is identified by a letter (A, E, S, etc.) as a designation for weight class. All of the connecting rods installed on the crankshaft must be of the same weight class, except “S” weight rods (service rods) can be used with either “A” or “E” weight rods depending on parts availability.

1. Ensure that all of the connecting rod assemblies in the engine have the same weight class letter.
2. Apply specified lubricant to the connecting rod and bearing inserts per the latest revision of Service Instruction No. SI-1059 where shown in Figure 13. Different lubricants are used on the various areas on the connecting rod and bearing surfaces.

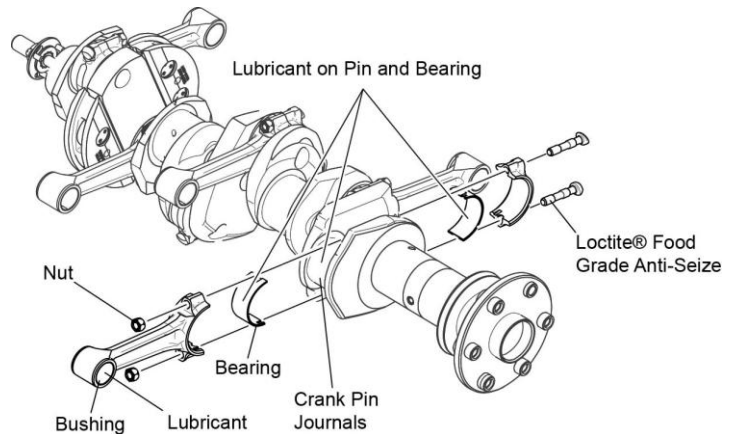


Figure 13
Connecting Rod Assembly Lubrication

NOTICE: Anytime either the connecting rod bolt and/or nut pairs are removed from a Lycoming engine, replace **both** the bolt and nut pairs with new “Service Use Only” hardware regardless of apparent condition.

3. Refer to the latest revision of Service Instruction No. SI-1458 to identify the correct P/Ns for the new connecting rods bolts and nuts.
4. Make sure the new connecting rod bolt and new nut pairs are clean, free of dirt and debris and that the threads are not damaged.
5. Install the new lubricated matched set bearing pair on each connecting rod, one bearing on the connecting rod and the other bearing on the connecting rod cap. Ensure that the tang of each bearing fits and seats within the slot of the connecting rod as well as the connecting rod cap.

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NOTICE: Do not install standard size connecting rod bolts in connecting rods with oversize bolt holes.

6. Apply engine oil mixture to the crank pin journal.
7. Install the connecting rod bolts in the connecting rod cap.
8. Apply Loctite® Food-Grade Anti-Seize Lubricant or equivalent to the bottom two or three threads of the new connecting rod bolts (Figure 13). Wipe away excess lubricant with a clean, lint-free cloth.
9. Install the connecting rod cap (with the bearing installed) on the back side of the respective crank pin on the crankshaft (where the numbers on the connecting rods and bearing locks point down - toward the oil sump.)

CAUTION: ENSURE THE NEW NUT ON EACH NEW CONNECTING ROD BOLT IS INSTALLED CORRECTLY. EACH CONNECTING ROD NUT HAS TWO DIFFERENT SURFACES, ONE SURFACE IS FLAT AND THE OTHER HAS A RAISED LIP. BE SURE TO INSTALL EACH NUT ON THE CONNECTING ROD BOLT WITH THE FLAT FACE TOUCHING THE ROD. THE RAISED LIP SURFACE IS AWAY FROM THE ROD. THE CONNECTING ROD BOLT CANNOT BE TIGHTENED CORRECTLY IF THE NUT ON THE CONNECTING ROD IS INSTALLED INCORRECTLY.

10. Install the connecting rod on the crank pin journal aligned with the connecting rod cap.
11. Install a new nut on each new connecting rod bolt where the flat face of the nut touches the connecting rod as shown in Figure 14.

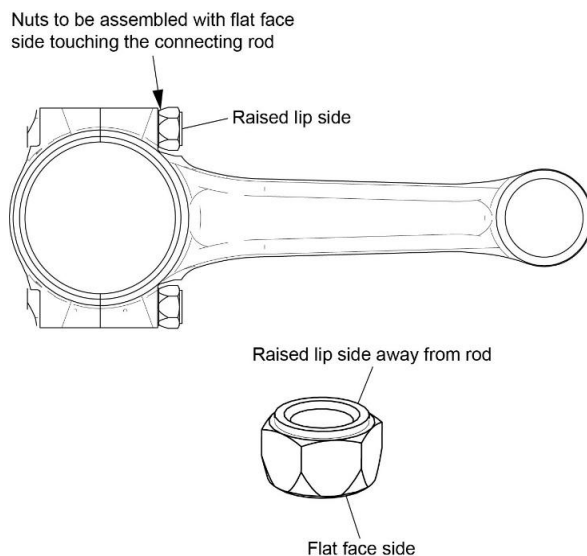


Figure 14
Connecting Rod Nut Installation

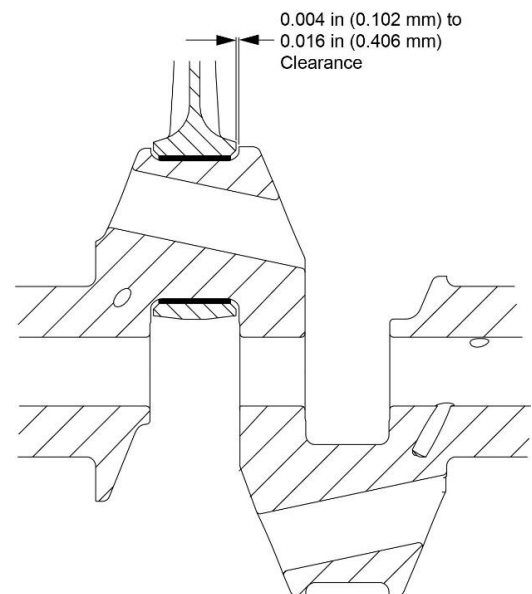


Figure 15
Connecting Rod Clearance

NOTICE: It will be necessary to use an ST-488, Stretch Bolt Micrometer and Set Master to ensure correct connecting rod bolt stretch when applicable.

12. Torque the connecting rod bolts per the torque values in the latest revision of Service Instruction No. SI-1458. (Stretch bolts require an initial torque and are then torqued to the correct stretched length.)
13. Measure the side clearance between the connecting rod and crankshaft with a feeler gage where shown in Figure 15. The clearance is to be 0.004 to 0.016 in (0.102 to 0.406 mm).

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Limited Warranty

Please refer to your Lycoming Engine's Limited Warranty for procedures, details, and limitations for filing a warranty claim related to this Service Bulletin. Warranty information is available online at <http://www.lycoming.com/warranty>. Contact an Authorized Lycoming Distributor for assistance with filing a warranty claim and to order all necessary parts.

For engines identified in Table 1 that are still within their warranty period at the time a claim is filed, the following allowances are authorized:

Warranty Claim Allowances for Engines listed in Table 1

| Description | Maximum Labor Allowance |
|--|------------------------------------|
| Cylinder removal, inspection, and reinstallation of a 4-cylinder engine identified in Table 1. | 12 hours |
| Cylinder removal, inspection, and reinstallation of a 6-cylinder engine identified in Table 1. | 16 hours |
| Cylinder removal, inspection, and reinstallation of an 8-cylinder engine identified in Table 1. | 20 hours |
| Connecting Rod Bushing Press-Out Verification Procedure. | 0.25 hours for each connecting rod |
| Removal and reinstallation of each connecting rod that requires replacement pursuant to Paragraph 10A of the "Connecting Rod Bushing Press-Out Verification Procedure" of this Service Bulletin. | 1 hour for each connecting rod |
| Warranty Claim Parts Allowances for In-Warranty Engines Listed in Table 1 | |
| Replacement connecting rods, top overhaul gaskets sets, connecting rod bearings and standard freight charges can also be submitted on the same warranty claim | |

NOTICE: Warranty Claim Allowances for in-warranty bushings and connecting rod assemblies originally purchased separately, as listed in Table 2 are limited to a replacement bushing or connecting rod assembly only.

Parts Required for Reassembly

Parts Required Table

| | |
|---|---|
| Top Overhaul Gasket Kit | Refer to the Top Overhaul Gasket Kit table |
| Replacement connecting rod (includes connecting rod bolts and nuts) | For each connecting rod removed and returned to Lycoming Engines through an Authorized Lycoming Distributor, refer to the Replacement Connecting Rod Assemblies table |
| Connecting rod bearings | For each connecting rod removed, order the same P/N bearings as removed (refer to Figure 16 for connecting rod bearing P/N location) |

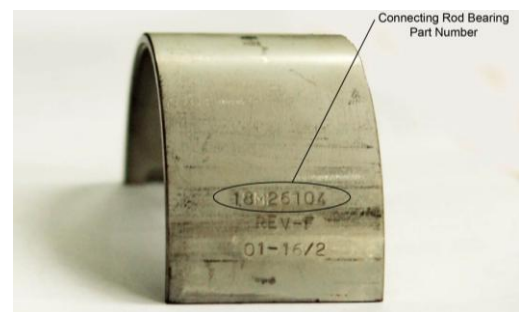


Figure 16
Connecting Rod Bearing
Part Number

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Replacement Connecting Rod Assemblies

| | |
|---------------|---------------|
| LW-13865-S-85 | LW-11750-S-85 |
| 78030-S | LW-19332-S-85 |

Top Overhaul Gasket Kit

| Part Number | Applicable Overhaul Gasket Kit |
|-------------|---|
| LW-12040 | Four Cylinder Parallel Valve Head Engines – O-235 Series |
| LW-12038 | Four Cylinder Parallel Valve Head Engines – O-290; O, IO, LIO-320; AIO, AEIO-320; O-340; O-360-A, -B, -C, -D, -F, -J; IO-360-B, -E, -F, -L; LO-360-A; AEIO-360-B, -H; HO-360-A, -B; HIO-360-B; VO, IVO-360 |
| 05K22949 | Four Cylinder Parallel Valve Head Engine – IO-360-M1A |
| LW-12039 | Four Cylinder Angle Valve Head Engines – IO-360-A, -C, -D, -J, -K; AIO-360-A, -B; AEIO-360-A; HIO-360-A, -C, -D, -E, -F; LIO-360-C; LHIO-360-C, -F; TO, LTO-360-A; TIO-360-A |
| LW-15838 | Four Cylinder Angle Valve Head Engines – TO, TIO-360-C1A6D, -F1A6D |
| LW-16916 | Four Cylinder “76” Series Engines – O-320-H; O, LO, TO, LTO-360-E |
| 05K26565 | Kit – Gasket – Top overhaul IO-390 Series |
| LW-12032 | Six Cylinder Parallel Valve Head Engines – O-540-A, -B, -E, -F, -G, -H, -J, -L, -V; AEIO-540-D; IO-540-C, -D, -J, -N, -R, -T, -W, -V, -AB; TIO-540-C, -E, -G, -H, -K, -AA, -AB, -AF, -AG; LTIO-540-K |
| LW-12036 | Six Cylinder Parallel Valve Head Engine – O-435-A |
| LW-12033 | Six Cylinder Angle Valve Head Top Exhaust Engines – IO-540-B, -E, -M, -U; TIO-540-A, -S, -T; TIO, LTIO-540-F, -J, -N, -R; TIO-541-A; IGO, IGSO-540-B |
| LW-12034 | Six Cylinder Angle Valve Head Down Exhaust Engines – GO, VO, TVO-435; GO, GSO, IGSO-480; IO-540-A, -G, -K, -L, -P, -S, -AA; AEIO-540-L; TIO-540-W, -AE, -AH; TIO, LTIO-540-U, -V, -W; VO, IVO, TVO, TIVO-540; IGO, IGSO-540-A |
| LW-12035 | Six Cylinder Angle Valve Head Engines – IO-540-AC1A5; TIO-540-AJ1A; TIO, TIGO-541-D, -E |
| LW-12036 | Six Cylinder Parallel valve Head engine – O-435-A |
| LW-12037 | Eight Cylinder Angle Valve Head Down Exhaust Engines – IO-720-A, -D |
| LW-18758 | Eight Cylinder Angle Valve Head Top Exhaust Engines – IO-720-B, -C |

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Table 1
Affected Lycoming Engines

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|--------------|---------------|--------------|---------------|
| O-235-L2A | RL-13905-15 | O-235-L2C | RL-12431-15 | O-235-L2C | L-16548-15 |
| O-235-L2C | L-12469-15 | O-235-L2C | RL-12876-15 | O-235-L2C | L-16619-15 |
| O-235-L2C | L-13149-15 | O-235-L2C | RL-13773-15 | O-235-L2C | L-18855-15 |
| O-235-L2C | L-14017-15 | O-235-L2C | RL-14334-15 | O-235-N2C | L-14152-15 |
| O-235-L2C | L-14400-15 | O-235-L2C | RL-14869-15 | O-235-N2C | L-25962-15 |
| O-235-L2C | L-14471-15 | O-235-L2C | RL-15337-15 | O-235-N2C | L-25963-15 |
| O-235-L2C | L-15563-15 | O-235-L2C | RL-16786-15 | O-235-N2C | RL-12085-15 |
| O-235-L2C | L-15585-15 | O-235-L2C | RL-23820-15 | O-235-N2C | RL-15847-15 |
| O-235-L2C | L-15762-15 | O-235-L2C | RL-25307-15 | O-235-N2C | L-25965-15 |
| O-235-L2C | L-15793-15 | O-235-N2C | L-12747-15 | | |
| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
| AEIO-320-D1B | L-6311-55E | O-320-D2J | L-19556-39E | O-320-D3G | RL-18127-39E |
| AEIO-320-D1B | RL-2005-55E | O-320-D2J | L-19575-39E | O-320-D3G | RL-18898-39E |
| AEIO-320-D2B | RL-561-55E | O-320-D2J | L-20632-39E | O-320-D3G | RL-9189-39E |
| IO-320-B1A | L-1062-55E | O-320-D2J | L-6662-39E | O-320-E2D | L-13993-27E |
| O-320-A2B | L-14567-27E | O-320-D2J | L-9110-39E | O-320-E2D | L-14312-27E |
| O-320-B2B | L-20416-39E | O-320-D2J | RL-10152-39E | O-320-E2D | L-14771-27E |
| O-320-B2B | L-8586-39E | O-320-D2J | RL-10765-39E | O-320-E2D | L-15787-27E |
| O-320-B2B | RL-10847-39E | O-320-D2J | RL-11229-39E | O-320-E2D | RL-1875-27E |
| O-320-B2C | L-12263-39A | O-320-D2J | RL-12405-39E | O-320-E2D | RL-27973-27E |
| O-320-B2C | L-8387-39A | O-320-D2J | RL-13451-39E | O-320-E2D | RL-28233-27E |
| O-320-B2C | RL-15339-39A | O-320-D2J | RL-17642-39E | O-320-E2G | RL-29826-27E |
| O-320-B2D | RL-13615-39E | O-320-D2J | RL-18582-39E | O-320-E3D | RL-14142-27E |
| O-320-D2A | L-12434-39E | O-320-D3G | L-10220-39E | O-320-E3D | RL-24215-27E |
| O-320-D2A | L-20635-39E | O-320-D3G | L-16750-39E | O-320-E3D | RL-45911-27E |
| O-320-D2A | L-20637-39E | O-320-D3G | L-17451-39E | O-320-H2AD | L-1823-76T |
| O-320-D2A | RL-18681-39E | O-320-D3G | L-18351-39E | O-320-H2AD | L-2591-76T |
| O-320-D2A | RL-19392-39E | O-320-D3G | L-18372-39E | O-320-H2AD | L-2947-76T |
| O-320-D2G | L-19131-39E | O-320-D3G | L-20165-39E | O-320-H2AD | RL-1325-76T |
| O-320-D2J | L-10167-39E | O-320-D3G | L-20432-39E | O-320-H2AD | RL-549-76T |
| O-320-D2J | L-10443-39E | O-320-D3G | L-20626-39E | YIO-320-D1A | EL-6308-55E |
| O-320-D2J | L-11310-39E | O-320-D3G | L-20629-39E | YIO-320-D1A | EL-6309-55E |
| O-320-D2J | L-11638-39E | O-320-D3G | L-7355-39E | YIO-320-D1A | EL-6310-55E |
| O-320-D2J | L-12063-39E | O-320-D3G | L-7395-39E | YO-320-A2B | EL-50734-27E |
| O-320-D2J | L-12178-39E | O-320-D3G | L-7829-39E | YO-320-D1A | EL-20627-39E |
| O-320-D2J | L-13132-39E | O-320-D3G | L-7950-39E | YO-320-D1A | EL-20633-39E |
| O-320-D2J | L-1364-39E | O-320-D3G | L-9866-39E | YO-320-D2G | EL-20628-39E |
| O-320-D2J | L-14261-39E | O-320-D3G | L-997-39E | YO-320-D2G | EL-20630-39E |
| O-320-D2J | L-14758-39E | O-320-D3G | RL-12741-39E | YO-320-D2G | EL-20631-39E |
| O-320-D2J | L-17624-39E | O-320-D3G | RL-13230-39E | YO-320-D2G | EL-20634-39E |
| O-320-D2J | L-19126-39E | O-320-D3G | RL-13696-39E | YO-320-D2G | EL-20636-39E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|---------------|---------------|--------------|---------------|--------------|---------------|
| AEIO-360-B1G6 | L-36853-51E | IO-360-L2A | L-25927-51E | IO-360-L2A | L-36841-51E |
| AEIO-360-B1G6 | L-36937-51E | IO-360-L2A | L-26323-51E | IO-360-L2A | L-36842-51E |
| AEIO-360-B1G6 | L-37136-51E | IO-360-L2A | L-26903-51E | IO-360-L2A | L-36844-51E |
| AEIO-360-H1B | L-36788-51E | IO-360-L2A | L-26993-51E | IO-360-L2A | L-36846-51E |
| AEIO-360-H1B | L-36845-51E | IO-360-L2A | L-27394-51E | IO-360-L2A | L-36848-51E |
| AEIO-360-H1B | L-36904-51E | IO-360-L2A | L-28171-51E | IO-360-L2A | L-36850-51E |
| AEIO-360-H1B | L-36974-51E | IO-360-L2A | L-28623-51E | IO-360-L2A | L-36851-51E |
| AEIO-360-H1B | L-37031-51E | IO-360-L2A | L-28677-51E | IO-360-L2A | L-36854-51E |
| AEIO-360-H1B | L-37090-51E | IO-360-L2A | L-28678-51E | IO-360-L2A | L-36855-51E |
| HIO-360-G1A | L-27219-51E | IO-360-L2A | L-28774-51E | IO-360-L2A | L-36858-51E |
| HIO-360-G1A | L-36828-51E | IO-360-L2A | L-28776-51E | IO-360-L2A | L-36859-51E |
| HIO-360-G1A | L-36829-51E | IO-360-L2A | L-29061-51E | IO-360-L2A | L-36860-51E |
| HO-360-C1A | RL-40781-36E | IO-360-L2A | L-29093-51E | IO-360-L2A | L-36861-51E |
| IO-360-A1A | RL-32584-51E | IO-360-L2A | L-29487-51E | IO-360-L2A | L-36862-51E |
| IO-360-B4A | L-36995-51E | IO-360-L2A | L-29712-51E | IO-360-L2A | L-36863-51E |
| IO-360-B4A | L-37001-51E | IO-360-L2A | L-30028-51E | IO-360-L2A | L-36865-51E |
| IO-360-B4A | L-37005-51E | IO-360-L2A | L-31511-51E | IO-360-L2A | L-36866-51E |
| IO-360-B4A | L-37011-51E | IO-360-L2A | L-32161-51E | IO-360-L2A | L-36867-51E |
| IO-360-B4A | L-37015-51E | IO-360-L2A | L-36803-51E | IO-360-L2A | L-36874-51E |
| IO-360-B4A | L-37033-51E | IO-360-L2A | L-36804-51E | IO-360-L2A | L-36875-51E |
| IO-360-B4A | L-37050-51E | IO-360-L2A | L-36806-51E | IO-360-L2A | L-36876-51E |
| IO-360-B4A | L-37053-51E | IO-360-L2A | L-36808-51E | IO-360-L2A | L-36878-51E |
| IO-360-B4A | L-37058-51E | IO-360-L2A | L-36809-51E | IO-360-L2A | L-36881-51E |
| IO-360-B4A | L-37069-51E | IO-360-L2A | L-36811-51E | IO-360-L2A | L-36882-51E |
| IO-360-B4A | L-37074-51E | IO-360-L2A | L-36815-51E | IO-360-L2A | L-36883-51E |
| IO-360-B4A | L-37082-51E | IO-360-L2A | L-36816-51E | IO-360-L2A | L-36884-51E |
| IO-360-B4A | L-37101-51E | IO-360-L2A | L-36817-51E | IO-360-L2A | L-36886-51E |
| IO-360-C1C | L-26146-51E | IO-360-L2A | L-36818-51E | IO-360-L2A | L-36887-51E |
| IO-360-C1C | L-36965-51E | IO-360-L2A | L-36819-51E | IO-360-L2A | L-36888-51E |
| IO-360-C1C | RL-29437-51E | IO-360-L2A | L-36820-51E | IO-360-L2A | L-36889-51E |
| IO-360-C1C | RL-8808-51E | IO-360-L2A | L-36821-51E | IO-360-L2A | L-36891-51E |
| IO-360-L2A | L-12138-51E | IO-360-L2A | L-36824-51E | IO-360-L2A | L-36892-51E |
| IO-360-L2A | L-13864-51E | IO-360-L2A | L-36830-51E | IO-360-L2A | L-36894-51E |
| IO-360-L2A | L-15686-51E | IO-360-L2A | L-36832-51E | IO-360-L2A | L-36897-51E |
| IO-360-L2A | L-18659-51E | IO-360-L2A | L-36833-51E | IO-360-L2A | L-36898-51E |
| IO-360-L2A | L-21658-51E | IO-360-L2A | L-36834-51E | IO-360-L2A | L-36899-51E |
| IO-360-L2A | L-23461-51E | IO-360-L2A | L-36835-51E | IO-360-L2A | L-36901-51E |
| IO-360-L2A | L-24253-51E | IO-360-L2A | L-36836-51E | IO-360-L2A | L-36902-51E |
| IO-360-L2A | L-25181-51E | IO-360-L2A | L-36837-51E | IO-360-L2A | L-36905-51E |
| IO-360-L2A | L-25193-51E | IO-360-L2A | L-36838-51E | IO-360-L2A | L-36906-51E |
| IO-360-L2A | L-25640-51E | IO-360-L2A | L-36839-51E | IO-360-L2A | L-36907-51E |
| IO-360-L2A | L-25671-51E | IO-360-L2A | L-36840-51E | IO-360-L2A | L-36909-51E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|--------------|---------------|--------------|---------------|
| IO-360-L2A | L-36910-51E | IO-360-L2A | L-37080-51E | IO-360-L2A | RL-25607-51E |
| IO-360-L2A | L-36912-51E | IO-360-L2A | L-37083-51E | IO-360-L2A | RL-25872-51E |
| IO-360-L2A | L-36913-51E | IO-360-L2A | L-37085-51E | IO-360-L2A | RL-26203-51E |
| IO-360-L2A | L-36914-51E | IO-360-L2A | L-37087-51E | IO-360-L2A | RL-26377-51E |
| IO-360-L2A | L-36915-51E | IO-360-L2A | L-37089-51E | IO-360-L2A | RL-26625-51E |
| IO-360-L2A | L-36917-51E | IO-360-L2A | L-37091-51E | IO-360-L2A | RL-28340-51E |
| IO-360-L2A | L-36921-51E | IO-360-L2A | L-37092-51E | IO-360-L2A | RL-29336-51E |
| IO-360-L2A | L-36924-51E | IO-360-L2A | L-37094-51E | IO-360-L2A | RL-29915-51E |
| IO-360-L2A | L-36930-51E | IO-360-L2A | L-37099-51E | IO-360-L2A | RL-30030-51E |
| IO-360-L2A | L-36931-51E | IO-360-L2A | L-37100-51E | IO-360-L2A | RL-30795-51E |
| IO-360-L2A | L-36932-51E | IO-360-L2A | L-37102-51E | IO-360-L2A | RL-30884-51E |
| IO-360-L2A | L-36936-51E | IO-360-L2A | L-37103-51E | IO-360-L2A | RL-32025-51E |
| IO-360-L2A | L-36946-51E | IO-360-L2A | L-37104-51E | IO-360-L2A | RL-32181-51E |
| IO-360-L2A | L-36949-51E | IO-360-L2A | L-37105-51E | IO-360-L2A | RL-34550-51E |
| IO-360-L2A | L-36952-51E | IO-360-L2A | L-37108-51E | IO-360-L2A | RL-34698-51E |
| IO-360-L2A | L-36953-51E | IO-360-L2A | L-37112-51E | IO-360-L2A | RL-35038-51E |
| IO-360-L2A | L-36955-51E | IO-360-L2A | L-37113-51E | IO-360-L2A | RL-536-51E |
| IO-360-L2A | L-36957-51E | IO-360-L2A | L-37118-51E | IO-360-L2A | RL-9160-51E |
| IO-360-L2A | L-36964-51E | IO-360-L2A | L-37119-51E | IO-360-M1A | L-24714-51E |
| IO-360-L2A | L-36968-51E | IO-360-L2A | L-37121-51E | IO-360-M1A | L-36791-51E |
| IO-360-L2A | L-36970-51E | IO-360-L2A | L-37122-51E | IO-360-M1A | L-36792-51E |
| IO-360-L2A | L-36973-51E | IO-360-L2A | L-37124-51E | IO-360-M1A | L-36793-51E |
| IO-360-L2A | L-36975-51E | IO-360-L2A | L-37125-51E | IO-360-M1A | L-36798-51E |
| IO-360-L2A | L-36976-51E | IO-360-L2A | L-37126-51E | IO-360-M1A | L-36799-51E |
| IO-360-L2A | L-36977-51E | IO-360-L2A | L-37128-51E | IO-360-M1A | L-36800-51E |
| IO-360-L2A | L-36980-51E | IO-360-L2A | L-37131-51E | IO-360-M1A | L-36870-51E |
| IO-360-L2A | L-36981-51E | IO-360-L2A | L-37133-51E | IO-360-M1A | L-36877-51E |
| IO-360-L2A | L-36982-51E | IO-360-L2A | L-37134-51E | IO-360-M1A | L-36893-51E |
| IO-360-L2A | L-37010-51E | IO-360-L2A | L-37135-51E | IO-360-M1A | L-36900-51E |
| IO-360-L2A | L-37036-51E | IO-360-L2A | L-8715-51E | IO-360-M1A | L-36911-51E |
| IO-360-L2A | L-37038-51E | IO-360-L2A | RL-13433-51E | IO-360-M1A | L-36919-51E |
| IO-360-L2A | L-37039-51E | IO-360-L2A | RL-15791-51E | IO-360-M1A | L-36920-51E |
| IO-360-L2A | L-37041-51E | IO-360-L2A | RL-18775-51E | IO-360-M1A | L-36922-51E |
| IO-360-L2A | L-37043-51E | IO-360-L2A | RL-19432-51E | IO-360-M1A | L-36938-51E |
| IO-360-L2A | L-37048-51E | IO-360-L2A | RL-20433-51E | IO-360-M1A | L-36940-51E |
| IO-360-L2A | L-37060-51E | IO-360-L2A | RL-20612-51E | IO-360-M1A | L-36945-51E |
| IO-360-L2A | L-37062-51E | IO-360-L2A | RL-23967-51E | IO-360-M1A | L-36956-51E |
| IO-360-L2A | L-37066-51E | IO-360-L2A | RL-24271-51E | IO-360-M1A | L-36960-51E |
| IO-360-L2A | L-37067-51E | IO-360-L2A | RL-24497-51E | IO-360-M1A | L-36971-51E |
| IO-360-L2A | L-37068-51E | IO-360-L2A | RL-24860-51E | IO-360-M1A | L-36972-51E |
| IO-360-L2A | L-36978-51E | IO-360-L2A | RL-25257-51E | IO-360-M1A | L-36979-51E |
| IO-360-L2A | L-37079-51E | IO-360-L2A | RL-25486-51E | IO-360-M1A | L-36987-51E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| IO-360-M1A | L-36991-51E | LO-360-A1H6 | RL-576-71E | O-360-A1P | L-42828-36E |
| IO-360-M1A | L-37006-51E | O-360-A1A | L-42901-36E | O-360-A1P | L-42833-36E |
| IO-360-M1A | L-37007-51E | O-360-A1A | L-42914-36A | O-360-A1P | L-42836-36E |
| IO-360-M1A | L-37009-51E | O-360-A1A | RL-16565-36E | O-360-A1P | L-42842-36E |
| IO-360-M1A | L-37029-51E | O-360-A1A | RL-28000-36E | O-360-A1P | L-42857-36E |
| IO-360-M1A | L-37032-51E | O-360-A1A | RL-34128-36E | O-360-A1P | L-42875-36E |
| IO-360-M1A | L-37034-51E | O-360-A1AD | RL-20102-36E | O-360-A1P | L-42879-36E |
| IO-360-M1A | L-37040-51E | O-360-A1AD | RL-20912-36E | O-360-A1P | L-42905-36E |
| IO-360-M1A | L-37073-51E | O-360-A1AD | RL-23409-36E | O-360-A1P | L-42912-36E |
| IO-360-M1A | L-37078-51E | O-360-A1AD | RL-26288-36E | O-360-A1P | L-42970-36E |
| IO-360-M1A | L-37115-51E | O-360-A1D | L-42953-36E | O-360-A1P | L-42975-36E |
| IO-360-M1A | L-37117-51E | O-360-A1F6 | L-41231-36E | O-360-A1P | RL-23515-36E |
| IO-360-M1A | L-37123-51E | O-360-A1H6 | L-17973-36E | O-360-A3A | RL-16891-36E |
| IO-360-M1A | RL-22416-51E | O-360-A1H6 | L-19500-36E | O-360-A3A | RL-23562-36E |
| IO-360-M1A | RL-22596-51E | O-360-A1H6 | L-2016-36E | O-360-A3A | RL-32544-36E |
| IO-360-M1A | RL-27167-51E | O-360-A1H6 | L-25932-36E | O-360-A3A | RL-40671-36E |
| IO-360-M1A | RL-29178-51E | O-360-A1H6 | L-26394-36E | O-360-A4A | L-22614-36E |
| IO-360-M1A | RL-29607-51E | O-360-A1H6 | L-27747-36E | O-360-A4A | RL-30534-36E |
| IO-360-M1A | RL-34700-51E | O-360-A1H6 | L-30732-36E | O-360-A4A | RL-30580-36E |
| IO-360-M1B | L-37110-51E | O-360-A1H6 | L-33456-36E | O-360-A4A | RL-31331-36E |
| IO-360-X259 | L-1791-X | O-360-A1H6 | L-40989-36E | O-360-A4K | RL-30773-36E |
| LO-360-A1G6D | RL-680-71E | O-360-A1H6 | L-41153-36E | O-360-A4M | L-15994-36E |
| LO-360-A1H6 | L-1037-71E | O-360-A1H6 | L-42766-36E | O-360-A4M | L-166-36E |
| LO-360-A1H6 | L-1038-71E | O-360-A1H6 | L-42783-36E | O-360-A4M | L-19826-36E |
| LO-360-A1H6 | L-1039-71E | O-360-A1H6 | L-42808-36E | O-360-A4M | L-27926-36E |
| LO-360-A1H6 | L-1040-71E | O-360-A1H6 | L-42820-36E | O-360-A4M | L-33294-36E |
| LO-360-A1H6 | L-1041-71E | O-360-A1H6 | L-42822-36E | O-360-A4M | L-39277-36E |
| LO-360-A1H6 | L-1042-71E | O-360-A1H6 | L-42904-36E | O-360-A4M | L-40653-36E |
| LO-360-A1H6 | L-1043-71E | O-360-A1H6 | L-42908-36E | O-360-A4M | L-40664-36E |
| LO-360-A1H6 | L-1044-71E | O-360-A1H6 | L-42922-36E | O-360-A4M | L-40709-36E |
| LO-360-A1H6 | L-1045-71E | O-360-A1H6 | L-42926-36E | O-360-A4M | L-42753-36E |
| LO-360-A1H6 | L-1046-71E | O-360-A1H6 | L-42943-36E | O-360-A4M | L-42758-36E |
| LO-360-A1H6 | L-1047-71E | O-360-A1H6 | L-42958-36E | O-360-A4M | L-42760-36E |
| LO-360-A1H6 | L-1048-71E | O-360-A1H6 | L-42966-36E | O-360-A4M | L-42765-36E |
| LO-360-A1H6 | L-1049-71E | O-360-A1H6 | L-42976-36E | O-360-A4M | L-42767-36E |
| LO-360-A1H6 | L-282-71E | O-360-A1H6 | RL-22146-36E | O-360-A4M | L-42772-36E |
| LO-360-A1H6 | L-466-71E | O-360-A1H6 | RL-31359-36E | O-360-A4M | L-42773-36E |
| LO-360-A1H6 | L-744-71E | O-360-A1P | L-42754-36E | O-360-A4M | L-42774-36E |
| LO-360-A1H6 | L-753-71E | O-360-A1P | L-42781-36E | O-360-A4M | L-42775-36E |
| LO-360-A1H6 | L-758-71E | O-360-A1P | L-42802-36E | O-360-A4M | L-42776-36E |
| LO-360-A1H6 | L-775-71E | O-360-A1P | L-42810-36E | O-360-A4M | L-42777-36E |
| LO-360-A1H6 | RL-312-71E | O-360-A1P | L-42815-36E | O-360-A4M | L-42786-36E |

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| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|--------------|---------------|--------------|---------------|
| O-360-A4M | L-42788-36E | O-360-A4M | L-42960-36E | O-360-C1G | L-42873-36E |
| O-360-A4M | L-42789-36E | O-360-A4M | L-42969-36E | O-360-C1G | L-42876-36E |
| O-360-A4M | L-42791-36E | O-360-A4M | L-42971-36E | O-360-C1G | L-42877-36E |
| O-360-A4M | L-42797-36E | O-360-A4M | L-42972-36E | O-360-C1G | L-42883-36E |
| O-360-A4M | L-42798-36E | O-360-A4M | L-42977-36E | O-360-C1G | L-42884-36E |
| O-360-A4M | L-42799-36E | O-360-A4M | L-42978-36E | O-360-C1G | L-42893-36E |
| O-360-A4M | L-42803-36E | O-360-A4M | L-9994-36E | O-360-C1G | L-42895-36E |
| O-360-A4M | L-42812-36E | O-360-A4M | RL-12597-36E | O-360-C1G | L-42917-36E |
| O-360-A4M | L-42813-36E | O-360-A4M | RL-13903-36E | O-360-C1G | L-42956-36E |
| O-360-A4M | L-42814-36E | O-360-A4M | RL-14920-36E | O-360-C1G | L-42957-36E |
| O-360-A4M | L-42818-36E | O-360-A4M | RL-15267-36E | O-360-C1G | L-42959-36E |
| O-360-A4M | L-42823-36E | O-360-A4M | RL-15760-36E | O-360-C1G | L-42963-36E |
| O-360-A4M | L-42830-36E | O-360-A4M | RL-18039-36E | O-360-C1G | L-42967-36E |
| O-360-A4M | L-42832-36E | O-360-A4M | RL-18647-36E | O-360-C1G | L-42973-36E |
| O-360-A4M | L-42835-36E | O-360-A4M | RL-22253-36E | O-360-C1G | L-42974-36E |
| O-360-A4M | L-42837-36E | O-360-A4M | RL-24448-36E | O-360-C1G | L-42979-36E |
| O-360-A4M | L-42841-36E | O-360-A4M | RL-25836-36E | O-360-C1G | L-42980-36E |
| O-360-A4M | L-42850-36E | O-360-A4M | RL-28877-36E | O-360-C1G | L-42982-36E |
| O-360-A4M | L-42852-36E | O-360-A4M | RL-34275-36E | O-360-C1G | RL-36846-36E |
| O-360-A4M | L-42868-36E | O-360-A4M | RL-34339-36E | O-360-C2E | L-26183-36E |
| O-360-A4M | L-42874-36E | O-360-A4M | RL-39152-36E | O-360-C4F | L-35521-36E |
| O-360-A4M | L-42878-36E | O-360-A4M | RL-39496-36E | O-360-C4P | L-42794-36E |
| O-360-A4M | L-42880-36E | O-360-A4M | RL-39816-36E | O-360-C4P | L-42816-36E |
| O-360-A4M | L-42881-36E | O-360-A4M | RL-39932-36E | O-360-C4P | L-42840-36E |
| O-360-A4M | L-42882-36E | O-360-A4N | L-42903-36E | O-360-C4P | L-42844-36E |
| O-360-A4M | L-42885-36E | O-360-C1F | L-40270-36A | O-360-C4P | L-42848-36E |
| O-360-A4M | L-42886-36E | O-360-C1G | L-31911-36E | O-360-C4P | L-42909-36E |
| O-360-A4M | L-42888-36E | O-360-C1G | L-42755-36E | O-360-C4P | L-42910-36E |
| O-360-A4M | L-42891-36E | O-360-C1G | L-42763-36E | O-360-F1A6 | RL-20549-36E |
| O-360-A4M | L-42896-36E | O-360-C1G | L-42770-36E | O-360-J2A | L-15757-36E |
| O-360-A4M | L-42907-36E | O-360-C1G | L-42778-36E | O-360-J2A | L-2106-36E |
| O-360-A4M | L-42919-36E | O-360-C1G | L-42784-36E | O-360-J2A | L-21893-36E |
| O-360-A4M | L-42923-36E | O-360-C1G | L-42801-36E | O-360-J2A | L-28468-36E |
| O-360-A4M | L-42927-36E | O-360-C1G | L-42811-36E | O-360-J2A | L-42756-36E |
| O-360-A4M | L-42939-36E | O-360-C1G | L-42819-36E | O-360-J2A | L-42757-36E |
| O-360-A4M | L-42940-36E | O-360-C1G | L-42843-36E | O-360-J2A | L-42759-36E |
| O-360-A4M | L-42941-36E | O-360-C1G | L-42851-36E | O-360-J2A | L-42761-36E |
| O-360-A4M | L-42948-36E | O-360-C1G | L-42860-36E | O-360-J2A | L-42762-36E |
| O-360-A4M | L-42949-36E | O-360-C1G | L-42861-36E | O-360-J2A | L-42768-36E |
| O-360-A4M | L-42950-36E | O-360-C1G | L-42862-36E | O-360-J2A | L-42779-36E |
| O-360-A4M | L-42952-36E | O-360-C1G | L-42866-36E | O-360-J2A | L-42780-36E |
| O-360-A4M | L-42954-36E | O-360-C1G | L-42872-36E | O-360-J2A | L-42782-36E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|---------------|---------------|--------------|---------------|
| O-360-J2A | L-42785-36E | O-360-J2A | L-42898-36E | YIO-360-M1B | EL-36826-51E |
| O-360-J2A | L-42790-36E | O-360-J2A | L-42899-36E | YIO-360-M1B | EL-36831-51E |
| O-360-J2A | L-42792-36E | O-360-J2A | L-42900-36E | YIO-360-M1B | EL-36849-51E |
| O-360-J2A | L-42793-36E | O-360-J2A | L-42906-36E | YIO-360-M1B | EL-36856-51E |
| O-360-J2A | L-42795-36E | O-360-J2A | L-42915-36E | YIO-360-M1B | EL-36857-51E |
| O-360-J2A | L-42796-36E | O-360-J2A | L-42916-36E | YIO-360-M1B | EL-36868-51E |
| O-360-J2A | L-42800-36E | O-360-J2A | L-42918-36E | YIO-360-M1B | EL-36869-51E |
| O-360-J2A | L-42804-36E | O-360-J2A | L-42920-36E | YIO-360-M1B | EL-36895-51E |
| O-360-J2A | L-42805-36E | O-360-J2A | L-42924-36E | YIO-360-M1B | EL-36925-51E |
| O-360-J2A | L-42806-36E | O-360-J2A | L-42925-36E | YIO-360-M1B | EL-36927-51E |
| O-360-J2A | L-42807-36E | O-360-J2A | L-42929-36E | YIO-360-M1B | EL-36934-51E |
| O-360-J2A | L-42809-36E | O-360-J2A | L-42930-36E | YIO-360-M1B | EL-36935-51E |
| O-360-J2A | L-42817-36E | O-360-J2A | L-42931-36E | YIO-360-M1B | EL-36951-51E |
| O-360-J2A | L-42821-36E | O-360-J2A | L-42932-36E | YIO-360-M1B | EL-36954-51E |
| O-360-J2A | L-42824-36E | O-360-J2A | L-42933-36E | YIO-360-M1B | EL-36958-51E |
| O-360-J2A | L-42826-36E | O-360-J2A | L-42934-36E | YIO-360-M1B | EL-36959-51E |
| O-360-J2A | L-42827-36E | O-360-J2A | L-42935-36E | YIO-360-M1B | EL-36961-51E |
| O-360-J2A | L-42829-36E | O-360-J2A | L-42936-36E | YIO-360-M1B | EL-36962-51E |
| O-360-J2A | L-42831-36E | O-360-J2A | L-42937-36E | YIO-360-M1B | EL-36963-51E |
| O-360-J2A | L-42834-36E | O-360-J2A | L-42942-36E | YIO-360-M1B | EL-36983-51E |
| O-360-J2A | L-42838-36E | O-360-J2A | L-42944-36E | YIO-360-M1B | EL-36992-51E |
| O-360-J2A | L-42839-36E | O-360-J2A | L-42945-36E | YIO-360-M1B | EL-36993-51E |
| O-360-J2A | L-42847-36E | O-360-J2A | L-42946-36E | YIO-360-M1B | EL-36994-51E |
| O-360-J2A | L-42849-36E | O-360-J2A | L-42947-36E | YIO-360-M1B | EL-36996-51E |
| O-360-J2A | L-42853-36E | O-360-J2A | L-42951-36E | YIO-360-M1B | EL-36998-51E |
| O-360-J2A | L-42854-36E | O-360-J2A | L-42955-36E | YIO-360-M1B | EL-37002-51E |
| O-360-J2A | L-42855-36E | O-360-J2A | L-42962-36E | YIO-360-M1B | EL-37004-51E |
| O-360-J2A | L-42856-36E | O-360-J2A | L-42964-36E | YIO-360-M1B | EL-37008-51E |
| O-360-J2A | L-42859-36E | O-360-J2A | L-42965-36E | YIO-360-M1B | EL-37013-51E |
| O-360-J2A | L-42863-36E | O-360-J2A | L-42968-36E | YIO-360-M1B | EL-37014-51E |
| O-360-J2A | L-42864-36E | O-360-J2A | L-42981-36E | YIO-360-M1B | EL-37017-51E |
| O-360-J2A | L-42865-36E | O-360-J2A | RL-37682-36E | YIO-360-M1B | EL-37019-51E |
| O-360-J2A | L-42867-36E | YHIO-360-G1A | EL-36852-51E | YIO-360-M1B | EL-37021-51E |
| O-360-J2A | L-42869-36E | YIO-360-B1B | EL-37016-51E | YIO-360-M1B | EL-37023-51E |
| O-360-J2A | L-42870-36E | YIO-360-B1E | EL-36950-51E | YIO-360-M1B | EL-37024-51E |
| O-360-J2A | L-42871-36E | YIO-360-B1E | EL-37052-51E | YIO-360-M1B | EL-37030-51E |
| O-360-J2A | L-42887-36E | YIO-360-EXP | EL-37129-51E | YIO-360-M1B | EL-37037-51E |
| O-360-J2A | L-42889-36E | YIO-360-EXP14 | EL-36812-51E | YIO-360-M1B | EL-37055-51E |
| O-360-J2A | L-42890-36E | YIO-360-EXP24 | EL-37027-51E | YIO-360-M1B | EL-37056-51E |
| O-360-J2A | L-42892-36E | YIO-360-M1B | EL-36794-51E | YIO-360-M1B | EL-37057-51E |
| O-360-J2A | L-42894-36E | YIO-360-M1B | EL-36797-51E | YIO-360-M1B | EL-37064-51E |
| O-360-J2A | L-42897-36E | YIO-360-M1B | EL-36825-51E | YIO-360-M1B | EL-37081-51E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| YIO-360-M1B | EL-37084-51E | YO-360-A1A | EL-42825-36E | YO-360-A1A | EL-42928-36E |
| YIO-360-M1B | EL-37086-51E | YO-360-A1A | EL-42845-36E | YO-360-EXP17 | EL-42769-36E |
| YIO-360-M1B | EL-37098-51E | YO-360-A1A | EL-42858-36E | YO-360-EXP17 | EL-42771-36E |
| YIO-360-M1B | EL-37111-51E | YO-360-A1A | EL-42911-36E | YO-360-EXP17 | EL-42961-36E |
| YO-360-A1A | EL-42764-36E | YO-360-A1A | EL-42913-36E | YO-360-EXP19 | EL-42846-36E |
| YO-360-A1A | EL-42787-36E | YO-360-A1A | EL-42921-36E | | |
| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
| AEIO-540-D4A5 | L-36708-48E | IO-540-AB1A5 | L-36720-48E | IO-540-AE1A5 | L-36517-48E |
| AEIO-540-D4A5 | RL-19320-48E | IO-540-AB1A5 | L-36721-48E | IO-540-AE1A5 | L-36518-48E |
| AEIO-540-D4A5 | RL-25836-48E | IO-540-AB1A5 | L-36722-48E | IO-540-AE1A5 | L-36519-48E |
| AEIO-540-L1B5 | L-36565-48E | IO-540-AB1A5 | L-36727-48E | IO-540-AE1A5 | L-36523-48E |
| AEIO-540-L1B5 | L-36568-48E | IO-540-AB1A5 | L-36731-48E | IO-540-AE1A5 | L-36524-48E |
| IO-540-AB1A5 | L-13271-48E | IO-540-AB1A5 | RL-13449-48E | IO-540-AE1A5 | L-36527-48E |
| IO-540-AB1A5 | L-36458-48E | IO-540-AB1A5 | RL-14864-48E | IO-540-AE1A5 | L-36529-48E |
| IO-540-AB1A5 | L-36462-48E | IO-540-AB1A5 | RL-15243-48E | IO-540-AE1A5 | L-36530-48E |
| IO-540-AB1A5 | L-36466-48E | IO-540-AB1A5 | RL-17947-48E | IO-540-AE1A5 | L-36531-48E |
| IO-540-AB1A5 | L-36479-48E | IO-540-AB1A5 | RL-18173-48E | IO-540-AE1A5 | L-36533-48E |
| IO-540-AB1A5 | L-36480-48E | IO-540-AB1A5 | RL-19059-48E | IO-540-AE1A5 | L-36535-48E |
| IO-540-AB1A5 | L-36481-48E | IO-540-AB1A5 | RL-21045-48E | IO-540-AE1A5 | L-36536-48E |
| IO-540-AB1A5 | L-36483-48E | IO-540-AB1A5 | RL-22027-48E | IO-540-AE1A5 | L-36537-48E |
| IO-540-AB1A5 | L-36485-48E | IO-540-AB1A5 | RL-27169-48E | IO-540-AE1A5 | L-36539-48E |
| IO-540-AB1A5 | L-36487-48E | IO-540-AB1A5 | RL-27360-48E | IO-540-AE1A5 | L-36540-48E |
| IO-540-AB1A5 | L-36494-48E | IO-540-AB1A5 | RL-27789-48E | IO-540-AE1A5 | L-36541-48E |
| IO-540-AB1A5 | L-36497-48E | IO-540-AB1A5 | RL-8259-48E | IO-540-AE1A5 | L-36542-48E |
| IO-540-AB1A5 | L-36499-48E | IO-540-AC1A5 | L-17432-48E | IO-540-AE1A5 | L-36544-48E |
| IO-540-AB1A5 | L-36500-48E | IO-540-AC1A5 | L-18568-48E | IO-540-AE1A5 | L-36546-48E |
| IO-540-AB1A5 | L-36501-48E | IO-540-AC1A5 | L-18712-48E | IO-540-AE1A5 | L-36548-48E |
| IO-540-AB1A5 | L-36502-48E | IO-540-AC1A5 | L-36669-48E | IO-540-AE1A5 | L-36549-48E |
| IO-540-AB1A5 | L-36503-48E | IO-540-AC1A5 | L-36679-48E | IO-540-AE1A5 | L-36550-48E |
| IO-540-AB1A5 | L-36504-48E | IO-540-AC1A5 | L-36716-48E | IO-540-AE1A5 | L-36551-48E |
| IO-540-AB1A5 | L-36514-48E | IO-540-AC1A5 | L-36729-48E | IO-540-AE1A5 | L-36552-48E |
| IO-540-AB1A5 | L-36526-48E | IO-540-AC1A5 | RL-16556-48E | IO-540-AE1A5 | L-36553-48E |
| IO-540-AB1A5 | L-36563-48E | IO-540-AC1A5 | RL-5327-48E | IO-540-AE1A5 | L-36554-48E |
| IO-540-AB1A5 | L-36564-48E | IO-540-AE1A5 | L-13764-48E | IO-540-AE1A5 | L-36556-48E |
| IO-540-AB1A5 | L-36566-48E | IO-540-AE1A5 | L-36491-48E | IO-540-AE1A5 | L-36557-48E |
| IO-540-AB1A5 | L-36572-48E | IO-540-AE1A5 | L-36495-48E | IO-540-AE1A5 | L-36559-48E |
| IO-540-AB1A5 | L-36573-48E | IO-540-AE1A5 | L-36496-48E | IO-540-AE1A5 | L-36560-48E |
| IO-540-AB1A5 | L-36594-48E | IO-540-AE1A5 | L-36508-48E | IO-540-AE1A5 | L-36561-48E |
| IO-540-AB1A5 | L-36656-48E | IO-540-AE1A5 | L-36509-48E | IO-540-AE1A5 | L-36562-48E |
| IO-540-AB1A5 | L-36702-48E | IO-540-AE1A5 | L-36510-48E | IO-540-AE1A5 | L-36571-48E |
| IO-540-AB1A5 | L-36703-48E | IO-540-AE1A5 | L-36513-48E | IO-540-AE1A5 | L-36574-48E |
| IO-540-AB1A5 | L-36719-48E | IO-540-AE1A5 | L-36515-48E | IO-540-AE1A5 | L-36575-48E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| IO-540-AE1A5 | L-36576-48E | IO-540-AE1A5 | L-36649-48E | IO-540-AE1A5 | L-36725-48E |
| IO-540-AE1A5 | L-36577-48E | IO-540-AE1A5 | L-36650-48E | IO-540-AE1A5 | L-36726-48E |
| IO-540-AE1A5 | L-36578-48E | IO-540-AE1A5 | L-36651-48E | IO-540-AE1A5 | L-36730-48E |
| IO-540-AE1A5 | L-36579-48E | IO-540-AE1A5 | L-36654-48E | IO-540-AE1A5 | L-36732-48E |
| IO-540-AE1A5 | L-36580-48E | IO-540-AE1A5 | L-36655-48E | IO-540-AE1A5 | RL-10884-48E |
| IO-540-AE1A5 | L-36582-48E | IO-540-AE1A5 | L-36657-48E | IO-540-AE1A5 | RL-12469-48E |
| IO-540-AE1A5 | L-36584-48E | IO-540-AE1A5 | L-36662-48E | IO-540-AE1A5 | RL-13714-48E |
| IO-540-AE1A5 | L-36585-48E | IO-540-AE1A5 | L-36663-48E | IO-540-AE1A5 | RL-14627-48E |
| IO-540-AE1A5 | L-36586-48E | IO-540-AE1A5 | L-36665-48E | IO-540-AE1A5 | RL-26513-48E |
| IO-540-AE1A5 | L-36587-48E | IO-540-AE1A5 | L-36667-48E | IO-540-AE1A5 | RL-26730-48E |
| IO-540-AE1A5 | L-36588-48E | IO-540-AE1A5 | L-36670-48E | IO-540-AE1A5 | RL-26876-48E |
| IO-540-AE1A5 | L-36589-48E | IO-540-AE1A5 | L-36672-48E | IO-540-AE1A5 | RL-27599-48E |
| IO-540-AE1A5 | L-36590-48E | IO-540-AE1A5 | L-36673-48E | IO-540-AE1A5 | RL-28689-48E |
| IO-540-AE1A5 | L-36591-48E | IO-540-AE1A5 | L-36674-48E | IO-540-AF1A5 | L-36506-48E |
| IO-540-AE1A5 | L-36595-48E | IO-540-AE1A5 | L-36676-48E | IO-540-AF1A5 | RL-8985-48E |
| IO-540-AE1A5 | L-36599-48E | IO-540-AE1A5 | L-36678-48E | IO-540-C4B5 | RL-2076-48E |
| IO-540-AE1A5 | L-36600-48E | IO-540-AE1A5 | L-36680-48E | IO-540-C4B5 | RL-32565-48E |
| IO-540-AE1A5 | L-36601-48E | IO-540-AE1A5 | L-36682-48E | IO-540-C4D5D | L-15234-48E |
| IO-540-AE1A5 | L-36602-48E | IO-540-AE1A5 | L-36683-48E | IO-540-C4D5D | L-36543-48E |
| IO-540-AE1A5 | L-36605-48E | IO-540-AE1A5 | L-36684-48E | IO-540-C4D5D | L-36545-48E |
| IO-540-AE1A5 | L-36606-48E | IO-540-AE1A5 | L-36687-48E | IO-540-C4D5D | L-36547-48E |
| IO-540-AE1A5 | L-36608-48E | IO-540-AE1A5 | L-36688-48E | IO-540-C4D5D | RL-19202-48E |
| IO-540-AE1A5 | L-36617-48E | IO-540-AE1A5 | L-36689-48E | IO-540-D4A5 | L-36603-48E |
| IO-540-AE1A5 | L-36619-48E | IO-540-AE1A5 | L-36690-48E | IO-540-D4A5 | L-36610-48E |
| IO-540-AE1A5 | L-36620-48E | IO-540-AE1A5 | L-36692-48E | IO-540-D4B5 | L-36490-48E |
| IO-540-AE1A5 | L-36621-48E | IO-540-AE1A5 | L-36693-48E | IO-540-D4B5 | L-36538-48E |
| IO-540-AE1A5 | L-36622-48E | IO-540-AE1A5 | L-36694-48E | IO-540-D4B5 | L-36570-48E |
| IO-540-AE1A5 | L-36625-48E | IO-540-AE1A5 | L-36695-48E | IO-540-D4B5 | L-36699-48E |
| IO-540-AE1A5 | L-36626-48E | IO-540-AE1A5 | L-36696-48E | IO-540-D4B5 | L-36701-48E |
| IO-540-AE1A5 | L-36627-48E | IO-540-AE1A5 | L-36697-48E | IO-540-K1A5 | L-36623-48E |
| IO-540-AE1A5 | L-36632-48E | IO-540-AE1A5 | L-36698-48E | IO-540-K1A5 | L-36624-48E |
| IO-540-AE1A5 | L-36633-48E | IO-540-AE1A5 | L-36700-48E | IO-540-K1A5 | L-36661-48E |
| IO-540-AE1A5 | L-36634-48E | IO-540-AE1A5 | L-36704-48E | IO-540-K1A5 | L-36664-48E |
| IO-540-AE1A5 | L-36635-48E | IO-540-AE1A5 | L-36705-48E | IO-540-K1A5 | L-36666-48E |
| IO-540-AE1A5 | L-36636-48E | IO-540-AE1A5 | L-36706-48E | IO-540-K1A5 | L-36675-48E |
| IO-540-AE1A5 | L-36637-48E | IO-540-AE1A5 | L-36707-48E | IO-540-K1A5 | L-36685-48E |
| IO-540-AE1A5 | L-36640-48E | IO-540-AE1A5 | L-36709-48E | IO-540-K1A5 | L-36691-48E |
| IO-540-AE1A5 | L-36642-48E | IO-540-AE1A5 | L-36710-48E | IO-540-K1A5 | RL-17773-48E |
| IO-540-AE1A5 | L-36643-48E | IO-540-AE1A5 | L-36711-48E | IO-540-K1A5 | RL-19715-48E |
| IO-540-AE1A5 | L-36644-48E | IO-540-AE1A5 | L-36712-48E | IO-540-K1B5 | L-14107-48E |
| IO-540-AE1A5 | L-36646-48E | IO-540-AE1A5 | L-36723-48E | IO-540-K1B5 | L-36520-48E |
| IO-540-AE1A5 | L-36647-48E | IO-540-AE1A5 | L-36724-48E | IO-540-K1B5 | RL-27036-48E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|---------------|---------------|--------------|---------------|
| IO-540-K1B5 | RL-28624-48E | IO-540-W1A5 | L-18062-48E | O-540-E4C5 | RL-20301-40E |
| IO-540-K1F5 | RL-10039-48E | IO-540-W1A5 | RL-18043-48E | O-540-E4C5 | RL-20769-40E |
| IO-540-K1F5 | RL-18009-48E | LTIO-540-J2B | L-1472-68A | O-540-E4C5 | RL-23596-40E |
| IO-540-K1G5 | L-36645-48E | LTIO-540-J2B | L-1800-68A | O-540-E4C5 | RL-23708-40E |
| IO-540-K1G5 | L-36713-48E | LTIO-540-J2B | L-3024-68A | O-540-E4C5 | RL-24164-40E |
| IO-540-K1G5 | L-36714-48E | LTIO-540-J2B | RL-1563-68A | O-540-E4C5 | RL-24524-40E |
| IO-540-K1G5D | RL-20203-48E | LTIO-540-J2B | RL-2180-68A | O-540-F1B5 | L-19760-40E |
| IO-540-K1J5 | L-36522-48E | LTIO-540-J2BD | L-1120-68A | O-540-F1B5 | L-20124-40E |
| IO-540-K1J5 | L-36525-48E | LTIO-540-J2BD | L-1435-68A | O-540-F1B5 | L-21553-40E |
| IO-540-K1J5 | L-36528-48E | LTIO-540-J2BD | L-1999-68A | O-540-F1B5 | L-25028-40E |
| IO-540-K1J5 | L-36555-48E | LTIO-540-J2BD | L-2436-68A | O-540-F1B5 | L-27655-40E |
| IO-540-K1J5 | L-36558-48E | LTIO-540-J2BD | RL-1134-68A | O-540-F1B5 | L-27656-40E |
| IO-540-K1J5 | L-36567-48E | LTIO-540-J2BD | RL-1492-68A | O-540-F1B5 | L-27657-40E |
| IO-540-K1J5 | L-36569-48E | LTIO-540-J2BD | RL-1958-68A | O-540-F1B5 | L-27658-40E |
| IO-540-K1J5 | L-36581-48E | LTIO-540-J2BD | RL-2887-68A | O-540-F1B5 | L-27661-40E |
| IO-540-K1J5 | L-36583-48E | O-540-A1A5 | RL-10149-40E | O-540-F1B5 | L-27662-40E |
| IO-540-K1J5 | L-36597-48E | O-540-A1C5 | RL-19285-40E | O-540-F1B5 | L-27664-40E |
| IO-540-K1J5 | L-36598-48E | O-540-A1C5 | RL-25295-40E | O-540-F1B5 | L-27665-40E |
| IO-540-K1J5 | L-36604-48E | O-540-A1D5 | RL-13079-40E | O-540-F1B5 | L-27666-40E |
| IO-540-K1J5 | L-36607-48E | O-540-A1D5 | RL-22597-40E | O-540-F1B5 | L-27667-40E |
| IO-540-K1K5 | L-36511-48E | O-540-A1D5 | RL-23985-40E | O-540-F1B5 | L-27668-40E |
| IO-540-K2A5 | L-36521-48E | O-540-A1D5 | RL-25450-40E | O-540-F1B5 | L-27669-40E |
| IO-540-M1C5 | L-20070-48E | O-540-B2C5 | RL-1012-40E | O-540-F1B5 | L-27670-40E |
| IO-540-S1A5 | L-19112-48E | O-540-B4B5 | L-17096-40E | O-540-F1B5 | L-27671-40E |
| IO-540-V4A5 | L-27688-48E | O-540-B4B5 | RL-15528-40E | O-540-F1B5 | L-27672-40E |
| IO-540-V4A5 | L-27698-48E | O-540-B4B5 | RL-18480-40E | O-540-F1B5 | L-27673-40E |
| IO-540-V4A5 | L-27803-48E | O-540-E4A5 | L-27652-40E | O-540-F1B5 | L-27674-40E |
| IO-540-V4A5 | L-27863-48E | O-540-E4A5 | L-27653-40E | O-540-F1B5 | RL-12963-40E |
| IO-540-V4A5 | L-27864-48E | O-540-E4A5 | L-27654-40E | O-540-F1B5 | RL-19924-40E |
| IO-540-V4A5 | L-28942-48E | O-540-E4C5 | L-13034-40E | O-540-F1B5 | RL-24137-40E |
| IO-540-V4A5 | L-29190-48E | O-540-E4C5 | L-13337-40E | O-540-F1B5 | RL-24873-40E |
| IO-540-V4A5 | L-29318-48E | O-540-E4C5 | L-14400-40E | O-540-F1B5 | RL-25896-40E |
| IO-540-V4A5 | L-30041-48E | O-540-E4C5 | L-15736-40E | O-540-G1A5 | L-27659-40E |
| IO-540-V4A5 | L-30114-48E | O-540-E4C5 | L-16220-40E | O-540-G1A5 | L-27660-40E |
| IO-540-V4A5 | L-36492-48E | O-540-E4C5 | L-19576-40E | O-540-J3A5 | L-16192-40E |
| IO-540-V4A5 | L-36507-48E | O-540-E4C5 | L-19738-40E | O-540-J3C5D | L-10933-40E |
| IO-540-V4A5 | L-36532-48E | O-540-E4C5 | L-20326-40E | O-540-J3C5D | L-21141-40E |
| IO-540-V4A5 | L-36611-48E | O-540-E4C5 | L-21328-40E | O-540-J3C5D | RL-22132-40E |
| IO-540-V4A5 | L-36612-48E | O-540-E4C5 | RL-18368-40E | O-540-J3C5D | RL-23986-40E |
| IO-540-V4A5 | L-36613-48E | O-540-E4C5 | RL-18753-40E | O-540-L3C5D | L-12040-40E |
| IO-540-V4A5 | L-36614-48E | O-540-E4C5 | RL-19429-40E | O-540-L3C5D | L-13753-40E |
| IO-540-V4A5 | L-36616-48E | O-540-E4C5 | RL-19766-40E | O-540-L3C5D | RL-1055-40E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|
| O-540-L3C5D | RL-456-40E | TIO-540-AJ1A | L-14264-61E | TIO-540-AK1A | RL-8162-61A |
| TEO-540-A1A | EL-106-84E | TIO-540-AJ1A | L-14265-61E | TIO-540-AK1A | RL-9320-61A |
| TEO-540-X218 | L-1778-X | TIO-540-AJ1A | L-14266-61E | TIO-540-AK1A | RL-9860-61A |
| TEO-540-X254 | L-1774-X | TIO-540-AJ1A | L-14267-61E | TIO-540-J2B | L-10745-61A |
| TEO-540-X254 | L-1775-X | TIO-540-AJ1A | L-14268-61E | TIO-540-J2B | L-10925-61A |
| TEO-540-X254 | L-1779-X | TIO-540-AJ1A | L-14269-61E | TIO-540-J2B | L-11116-61A |
| TEO-540-X254 | L-1796-X | TIO-540-AJ1A | L-14270-61E | TIO-540-J2B | L-11292-61A |
| TEO-540-X254 | L-1798-X | TIO-540-AJ1A | L-14271-61E | TIO-540-J2B | L-11378-61A |
| TIO-540-A2C | L-10943-61A | TIO-540-AJ1A | L-14273-61E | TIO-540-J2B | L-11416-61A |
| TIO-540-A2C | L-10944-61A | TIO-540-AJ1A | L-14274-61E | TIO-540-J2B | L-14254-61A |
| TIO-540-AB1AD | RL-9121-61A | TIO-540-AJ1A | L-14276-61E | TIO-540-J2B | RL-10978-61A |
| TIO-540-AF1B | RL-10618-61A | TIO-540-AJ1A | L-14277-61E | TIO-540-J2B | RL-5157-61A |
| TIO-540-AF1B | RL-11058-61A | TIO-540-AJ1A | L-14280-61E | TIO-540-J2BD | L-10052-61A |
| TIO-540-AF1B | RL-8936-61A | TIO-540-AJ1A | L-14281-61E | TIO-540-J2BD | L-10273-61A |
| TIO-540-AH1A | L-14249-61A | TIO-540-AJ1A | L-14282-61E | TIO-540-J2BD | L-11232-61A |
| TIO-540-AH1A | L-14279-61A | TIO-540-AJ1A | L-14284-61E | TIO-540-J2BD | L-14298-61A |
| TIO-540-AH1A | L-14283-61A | TIO-540-AJ1A | L-14291-61E | TIO-540-J2BD | L-14299-61A |
| TIO-540-AH1A | L-14296-61A | TIO-540-AJ1A | L-14292-61E | TIO-540-J2BD | RL-10589-61A |
| TIO-540-AH1A | L-14302-61A | TIO-540-AJ1A | L-14294-61E | TIO-540-J2BD | RL-3380-61A |
| TIO-540-AH1A | L-14311-61A | TIO-540-AJ1A | L-14295-61E | YAEIO-540-EXP | EL-36717-48A |
| TIO-540-AH1A | RL-10554-61A | TIO-540-AJ1A | L-14305-61E | YAEIO-540-EXP | EL-36718-48A |
| TIO-540-AH1A | RL-10793-61A | TIO-540-AJ1A | L-14306-61E | YIO-540-D4A5 | EL-36505-48E |
| TIO-540-AH1A | RL-2315-61A | TIO-540-AJ1A | L-14308-61E | YIO-540-D4A5 | EL-36512-48E |
| TIO-540-AH1A | RL-4860-61A | TIO-540-AJ1A | L-14312-61E | YIO-540-D4A5 | EL-36516-48E |
| TIO-540-AH1A | RL-7714-61A | TIO-540-AJ1A | L-14313-61E | YIO-540-D4A5 | EL-36534-48E |
| TIO-540-AH1A | RL-8669-61A | TIO-540-AJ1A | L-14314-61E | YIO-540-D4A5 | EL-36592-48E |
| TIO-540-AJ1A | L-10313-61E | TIO-540-AJ1A | L-14315-61E | YIO-540-D4A5 | EL-36593-48E |
| TIO-540-AJ1A | L-14241-61E | TIO-540-AJ1A | L-14318-61E | YIO-540-D4A5 | EL-36596-48E |
| TIO-540-AJ1A | L-14242-61E | TIO-540-AJ1A | L-14319-61E | YIO-540-D4A5 | EL-36609-48E |
| TIO-540-AJ1A | L-14243-61E | TIO-540-AJ1A | L-14320-61E | YIO-540-D4A5 | EL-36615-48E |
| TIO-540-AJ1A | L-14244-61E | TIO-540-AJ1A | L-14321-61E | YIO-540-D4A5 | EL-36618-48E |
| TIO-540-AJ1A | L-14245-61E | TIO-540-AJ1A | RL-10245-61E | YIO-540-D4A5 | EL-36628-48E |
| TIO-540-AJ1A | L-14246-61E | TIO-540-AJ1A | RL-11460-61E | YIO-540-D4A5 | EL-36629-48E |
| TIO-540-AJ1A | L-14247-61E | TIO-540-AJ1A | RL-12327-61E | YIO-540-D4A5 | EL-36630-48E |
| TIO-540-AJ1A | L-14248-61E | TIO-540-AJ1A | RL-1898-61E | YIO-540-D4A5 | EL-36631-48E |
| TIO-540-AJ1A | L-14250-61E | TIO-540-AJ1A | RL-6778-61E | YIO-540-D4A5 | EL-36638-48E |
| TIO-540-AJ1A | L-14251-61E | TIO-540-AJ1A | RL-7101-61E | YIO-540-D4A5 | EL-36639-48E |
| TIO-540-AJ1A | L-14253-61E | TIO-540-AJ1A | RL-8735-61E | YIO-540-D4A5 | EL-36641-48E |
| TIO-540-AJ1A | L-14256-61E | TIO-540-AK1A | L-11361-61A | YIO-540-D4A5 | EL-36652-48E |
| TIO-540-AJ1A | L-14259-61E | TIO-540-AK1A | RL-11070-61A | YIO-540-D4A5 | EL-36653-48E |
| TIO-540-AJ1A | L-14262-61E | TIO-540-AK1A | RL-3733-61A | YIO-540-D4A5 | EL-36658-48E |
| TIO-540-AJ1A | L-14263-61E | TIO-540-AK1A | RL-5212-61A | YIO-540-D4A5 | EL-36659-48E |

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**Table 1 (Cont.)
Affected Lycoming Engines**

| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
|--------------|---------------|--------------|---------------|---------------|---------------|
| YIO-540-D4A5 | EL-36660-48E | YIO-540-D4A5 | EL-36686-48E | YO-540-EXP26 | EL-27663-40E |
| YIO-540-D4A5 | EL-36668-48E | YIO-540-D4A5 | EL-36715-48E | YTEO-540-B1A | EL-107-84E |
| YIO-540-D4A5 | EL-36671-48E | YIO-540-D4A5 | EL-36728-48E | YTEO-540-B1A | EL-108-84E |
| YIO-540-D4A5 | EL-36681-48E | YIO-540-K1A5 | EL-36677-48E | | |
| Engine Model | Serial Number | Engine Model | Serial Number | Engine Model | Serial Number |
| AEIO-580-B1A | L-463-79E | AEIO-580-B1A | L-481-79E | AEIO-580-B1A | L-493-79E |
| AEIO-580-B1A | L-464-79E | AEIO-580-B1A | L-482-79E | AEIO-580-B1A | L-494-79E |
| AEIO-580-B1A | L-466-79E | AEIO-580-B1A | L-483-79E | AEIO-580-B1A | L-495-79E |
| AEIO-580-B1A | L-467-79E | AEIO-580-B1A | L-484-79E | AEIO-580-B1A | L-496-79E |
| AEIO-580-B1A | L-468-79E | AEIO-580-B1A | L-485-79E | AEIO-580-B1A | L-497-79E |
| AEIO-580-B1A | L-470-79E | AEIO-580-B1A | L-486-79E | AEIO-580-B1A | L-498-79E |
| AEIO-580-B1A | L-471-79E | AEIO-580-B1A | L-487-79E | AEIO-580-EXP | EL-469-79E |
| AEIO-580-B1A | L-472-79E | AEIO-580-B1A | L-488-79E | AEIO-580-EXP | EL-476-79E |
| AEIO-580-B1A | L-473-79E | AEIO-580-B1A | L-489-79E | IO-580-B1A | L-477-79E |
| AEIO-580-B1A | L-474-79E | AEIO-580-B1A | L-490-79E | YIO-580-EXP18 | EL-478-79E |
| AEIO-580-B1A | L-475-79E | AEIO-580-B1A | L-491-79E | YIO-580-EXP18 | EL-479-79E |
| AEIO-580-B1A | L-480-79E | AEIO-580-B1A | L-492-79E | | |
| Engine Model | Serial Number | | | | |
| IO-720-D1C | RL-1019-54A | | | | |

**Table 2
Part Numbers and Ship Date Ranges of Suspect Connecting Rods and
Suspect Connecting Rod Bushings Shipped as Spares**

| Part Number (P/N) | Description | Shipped from the Factory Between |
|-------------------|-------------------------|---------------------------------------|
| LW-13923 | Connecting Rod Bushing | 18 November 2015 and 15 November 2016 |
| LW-11750-S | Connecting Rod Assembly | 20 November 2015 and 2 February 2017 |
| 78030-S | Connecting Rod Assembly | 1 April 2016 and 2 February 2017 |
| LW-19332-S | Connecting Rod Assembly | 4 January 2016 and 2 February 2017 |

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