



Service Instruction

ENGINE COMPONENTS, INC.

S.I. No.: 06-3

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Title: INSTALLATION OF AEL13923 CONNECTING ROD BUSHINGS IN CONNECTING RODS

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Technical Portions are FAA DER Approved.

1.0 SUBJECT:

Installation of AEL13923 connecting rod bushings in Lycoming (and equivalent PMA) connecting rods.

2.0 MODELS AFFECTED:

All Lycoming Models that are listed as eligible to use the AEL13923 bushing.

3.0 TIME OF COMPLIANCE:

Whenever the Engine Components, Inc. (ECi®) AEL13923 bushings are selected for installation during rework of Lycoming (or equivalent PMA) connecting rods.

4.0 INSTALLATION ELIGIBILITY:

See ECi PMA Supplement 39, page 33.

5.0 REQUIRED ACTION:

Although the AEL13923 connecting rod bushing is not a split bushing as are the bushings sold by Lycoming, it should be pressed into the connecting rod in accordance with the instructions in the relevant Lycoming Overhaul Manual. After the AEL13923 connecting rod bushing has been properly installed it should be sized by reaming or honing in place using quality equipment that will maintain proper alignment of parallelism and squareness between the connecting rod bushing and the big end of the connecting rod. Reference should be made to a current edition of Lycoming Special Service Publication SPP-1776 "Service Table of Limits and Torque Recommendations" for proper connecting rod alignment and twist limits as well as the finished inside diameter of the connecting rod bushing.