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MANDATORY

SERVICE BULLETIN

DATE: December 8, 2022

Service Bulletin No. 649
 Engineering Aspects are
 FAA Approved

SUBJECT: Installation of correct Electronic Ignition System (EIS)

MODELS AFFECTED: IO-540-AB1A5

TIME OF COMPLIANCE: Before next flight

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

Lycoming has identified an error on Service Instruction No. 1443R that incorrectly lists Electronic Ignition System (EIS) P/N 66K6D3SN-01 (20° Fixed Timing) as an approved EIS unit for engine model IO-540-AB1A5. This Service Bulletin is to alert any operator that has installed or purchased an EIS P/N 66K6D3SN-01 for an IO-540-AB1A5, that the correct EIS P/N is 66K6D3SN-03 (23° Fixed Timing). Upon release of Service Instruction No. 1443S, EIS P/N 66K6D3SN-03 will be listed as the approved EIS for the IO-540-AB1A5.

NOTICE: Fixed timing EIS must be matched to the timing degrees on the engine data plate.

Any 66K6D3SN-01 EIS that has been installed on an IO-540-AB1A5 must be removed from service and replaced with a 66K6D3SN-03 EIS to match the base timing of the IO-540-AB1A5. Removal and installation of the EIS must be completed in accordance with the latest revision of Lycoming Service Instruction No. 1569. No additional inspection is required.

CAUTION: Operation of any IO-540-AB1A5 engines with the incorrect 66K6D3SN-01 EIS installed will result in a reduction of power.



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Warranty Instructions and Replacement Parts for Engines/Parts Affected by Service Bulletin No. 649

1. Contact an Authorized Lycoming Distributor to order replacement EIS P/N 66K6D3SN-03.
2. Upon receipt, complete the installation procedure in accordance with the latest revision of Lycoming Service Instruction No. 1569.
3. Return the removed EIS P/N 66K6D3SN-01 to Lycoming Engines through the same Authorized Lycoming Distributor, and file a warranty claim for:
 - A. Reimbursement of the replacement parts.
 - B. Associated Standard, Non-Expedited Freight.
 - C. Removal and Reinstallation Labor in accordance with the current applicable Lycoming Warranty Policy and latest revision of Lycoming’s SSP-875 Removal and Installation Labor Allowance Guidebook.

NOTICE: Warranty consideration is available for 12 months from the date of issue of this Service Bulletin.

If you have any questions, contact Lycoming Technical Support by phone at +1-570-327-7222 or +1-877-839-7878 or email to Technicalsupport@lycoming.com.

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