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SERVICE INSTRUCTION

DATE: November 19, 2021

Service Instruction No. 1585
Engineering Aspects are
FAA Approved

SUBJECT: Oil Cooler Bypass Valve Assembly Replacement

MODELS AFFECTED: TEO-540-C1A

TIME OF COMPLIANCE: At next scheduled maintenance event, or earlier at owner's discretion

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

Oil cooler bypass valve P/N 53E29909 has been incorporated into the production of TEO-540-C1A engines to reduce excess moisture in the oil, by increasing the oil temperature. Lycoming Engines is requesting all in-service TEO-540-C1A engines be upgraded with oil cooler bypass valve P/N 53E29909. The next revision of the TEO-540-C1A Illustrated Parts Catalog (PC-TEO-540-C1A, Rev. 4) will include oil cooler bypass valve P/N 53E29909.

Required Action:

1. Remove the installed oil cooler bypass valve P/N 53E22144 in accordance with instructions in Chapter 72-50 of the latest revision of the TEO-540-C1A Engine Maintenance Manual.
2. Install the new oil cooler bypass valve P/N 53E29909 in accordance with instructions in Chapter 72-50 of the latest revision of the TEO-540-C1A Engine Maintenance Manual.
3. Perform a post maintenance engine run-up and leak check. Correct any leaks.
4. Record the installation of bypass valve in engine maintenance records.

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



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