



VENDOR SERVICE PUBLICATION

Date: May 6, 2024

TO: All affected owners/operators

SUBJECT: LYCOMING SERVICE INSTRUCTION NO. 1588, 'ROCKER BOX COVER SCREWS TORQUE VALUES AND TORQUE SEQUENCE'

MODELS AFFECTED:

All Models Equipped with Lycoming Engine(s)

SERIAL NUMBERS AFFECTED:

N/A

COMPLIANCE TIME:

As specified in the attached Lycoming Service Instruction No. 1588.

PURPOSE:

For affected aircraft equipped with Lycoming engine(s), this service instruction document includes sequence and torque values for installing the rocker box covers and gaskets.

ACTION:

Comply with Lycoming Service Instruction No. 1588.

ATA/JASC: 7100



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SERVICE INSTRUCTION

DATE: February 14, 2024

Service Instruction No. 1588
Engineering Aspects are
FAA Approved

SUBJECT: Rocker Box Cover Screws Torque Values and Torque Sequence

MODELS AFFECTED: All Lycoming Engine Models

TIME OF COMPLIANCE: During rocker box cover installation

This Service Instruction provides Instruction for Continued Airworthiness (ICA).

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.

This Service Instruction includes the sequence and torque values for installing the rocker box covers and gaskets. Refer to the latest revision of Service Letter No. L272 for rocker box cover gasket part numbers.

To prevent leakage, torque the rocker cover screws using the proper torque sequence (Figures 1, 2 and 3).

- For silicone gaskets, torque the screws in two steps, first to 20-25 in.-lb. (2.6-2.8 Nm) and then 30 in.-lb. (3.4 Nm), following the torque sequence for each step.
- For cork gaskets, torque the screws in two steps, first to 20-25 in.-lb. (2.6-2.8 Nm) and then 50 in.-lb. (5.6 Nm), following the torque sequence for each step.

<p>Figure 1 Parallel Valve Torque Sequence</p>	<p>Figure 2 Angle Valve – Down Exhaust Torque Sequence</p>	<p>Figure 3 Angle Valve – Up Exhaust Torque Sequence</p>

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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