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SERVICE LETTER

Service Letter No. L288
 December 16, 2021

TO: Owners and Operators of Lycoming TEO-540-C1A
 SUBJECT: Alternate Bolt Locking of Wastegate Solenoid valve

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

Lycoming has recently released Service Bulletin No. 648 adding the cleaning of the wastegate solenoid valve screen at scheduled oil change intervals on the TEO-540-C1A engine. This Service Letter announces that the repetitive need to remove and install safety wire on the solenoid valve attaching bolt can be eliminated by usage of lock washer P/N STD-160 in combination with Loctite® 243 or equivalent. When the subsequent procedure is followed it has been found to be an acceptable alternative process to installing safety wire in this location. If thread locker is not used, type 302/304 stainless steel safety wire (soft temper) per MS20995 must be used on the solenoid valve attaching bolt. The camshaft and crankshaft speed sensor bolts must continue to be safety wired in accordance with FAA Advisory Circular 43.13-1B Chapter 7-123, or international equivalent (Figure 1).

Installation with Thread locker

1. Visually inspect the bolt and internal threads for any damage or foreign material that could cause improper thread engagement. (Discard used lock washer and replace with new after each time its removed)
2. Leaving the first leading thread of the bolt free, apply a 360° bead of thread locker to the following 3-4 threads of the bolt. Do not allow the tip of the applicator to touch the bolt.
3. Complete the installation of the solenoid valve in accordance with the latest revision of Lycoming Service Bulletin No. 648. Tighten the bolt in accordance with Chapter 72-40 of the latest revision of the TEO-540-C1A Engine Maintenance Manual.

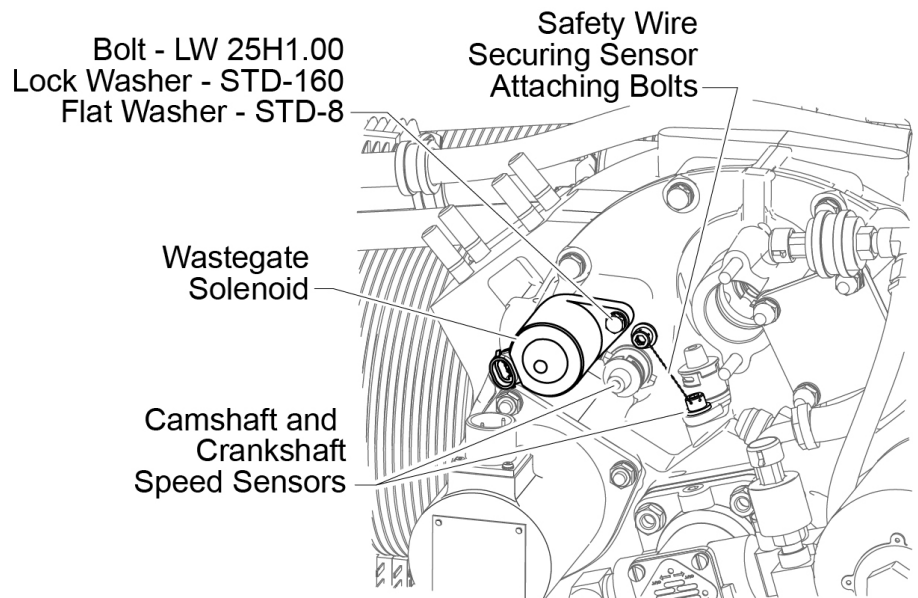


Figure 1

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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