

**MANDATORY****SEL-78-03****TITLE**

EXHAUST - TRANSMITTAL OF LYCOMING SERVICE BULLETIN NO 627C, EXHAUST SYSTEM INSPECTION

**EFFECTIVITY****MODEL**

T206H

**SERIAL NUMBERS**

T20608001 and On

**REASON**

Lycoming model TIO-540-AJIA engines can have exhaust leaks due to cracked welds and have exhaust studs pulling from a cylinder. Continued operation with a cracked exhaust pipe could result in loss of engine power, engine fire, damage to the engine and/or adjacent airplane structure, and/or accumulation of Carbon Monoxide in the cabin.

**DESCRIPTION**

This service letter transmits Lycoming Service Bulletin No. 627C, Exhaust System Inspection which provides instructions for completing an exhaust system inspection. Refer to the Lycoming Service Bulletin No. 627C (Revision C or latest revision) for more detailed information.

**COMPLIANCE**

**MANDATORY.** Upon receipt of this service bulletin, complete an exhaust system inspection as follows:

1. Before further flight if one or more of the conditions that follow exist:
  - Cowl Discoloration in the area of the exhaust manifold
  - CO alert
  - Uncommanded or unexplained reduction of Manifold Absolute Pressure (MAP).
2. Within 10 flight hours from the date of this Service Bulletin, complete an initial Exhaust System Inspection in accordance with the Required Action Steps 1 and 3 in Lycoming Service Bulletin No. 627C, Exhaust System Inspection (Revision C or latest revision)
3. After the initial Exhaust System Inspection, subsequent repetitive Exhaust System Inspections are to be completed per Table 1 in Lycoming Service Bulletin No. 627C, Exhaust System Inspection (Revision C or latest revision)

**NOTE:** The Guardian Avionics carbon monoxide detector, that was factory installed on T206H serial numbers T20608594 and ON, meets the requirements of the Lycoming Service Bulletin No. 627C.

**REFERENCES**

Lycoming Service Bulletin No. 627C, Exhaust System Inspection (Revision C or latest revision).

**PUBLICATIONS AFFECTED**

None

January 3, 2017

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**MANDATORY**

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## ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
  - A. Make sure that the airplane is electrically grounded.
  - B. Make sure that all switches are in the OFF/NORM position.
  - C. Disconnect electrical power from the airplane.
    - (1) Disconnect the airplane battery.
    - (2) Disconnect external electrical power.
  - D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.
2. Complete Lycoming Service Bulletin No. 627C, Exhaust System Inspection.
  - A. Complete the survey for the exhaust system inspection and flange nut torque check and submit to Lycoming Engines. (Refer to Lycoming Service Bulletin No. 627C, Exhaust System Inspection (Revision C or latest revision).)
3. Remove the maintenance warning tags and connect the airplane battery.
4. Make an entry in the airplane logbook that states compliance and method of compliance with this service letter.

