

N° SB 937 – CS – Ed. 2 Rev. 1**Date: 26/02/2026**

The technical content of this document is approved under the authority of DOA ref. EASA.21J.335

Approval No: DO-937-250916

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MANDATORY by the AD No. 2026-0023 ☒ **May become MANDATORY** after EASA evaluation ☐**RECOMMENDED** ☐ **INFORMATION** ☐**SUBJECT:** P2010 Lycoming IO-390 – Exhaust Muffler Flame Tube Inspection

SCOPE: Following an occurrence report involving a Tecnam P2010 aircraft equipped with a Lycoming IO-390 engine, Tecnam has identified a potential risk concerning the structural integrity of the flame tube located within the exhaust muffler. If not addressed, this condition could result in a partial or complete obstruction of the exhaust system, potentially leading to engine malfunction or stoppage.

Therefore, Tecnam mandates a dedicated repetitive inspection of the affected area of the exhaust muffler (refer to Appendix A for instructions).

APPLICABILITY: All P2010 aircraft equipped with the Lycoming IO-390 engine (MOD2010/078), up to S/N 335 (inclusive)

TIME OF COMPLIANCE:

- Initial inspection within:

A or B, whichever occurs later	
A	Before exceeding 200 flight hours (FH) total time since new (TTSN)
B	25 FH or 30 days, whichever occurs first after the issue date of this SB

- Subsequent inspections (every 200 FH) to be accomplished i.a.w. AMM 2010/101 Supplement S6 Ed. 2 Rev. 2 or later revisions.

Note: a non-cumulative tolerance of 10 FH/1 month (whichever occurs first) may be applied to the 200 FH interval for the initial and repetitive inspection to allow synchronization of the required inspection with other maintenance tasks.

Aircraft inspected in accordance with previous revisions of this Service Bulletin are considered compliant with the initial inspection requirements of the current Service Bulletin until the next scheduled inspection becomes due.

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MANPOWER:	2 man-hours
REQUIRED MATERIAL:	Nil
TOOLING:	Standard toolbox and borescope
WEIGHT AND BALANCE:	Nil
REFERENCES:	P2010 AMM Supplement S6 - Ed. 2 Rev. 2 or later
PUB. AFFECTED:	P2010 AMM Supplement S6

For further information please contact TECNAM:

- **Technical Support:**
 - Email: technical.support@tecnam.com or Tel: 0039 0823 997538
- **Spare Parts**
 - Email: spareparts@tecnam.com or Tel: 0039 0823 622297

Appendix A

<i>N</i>	<i>Accomplishment Instructions</i>
1	<i>Set the aircraft in safety conditions (refer to AMM, ATA 10-10-00)</i>
2	<i>Remove the exhaust assembly following the applicable procedure in AMM Supplement S6, ATA 78-10 (Lycoming IO-390)</i>
3	<i>Carry out the inspection of the exhaust flame tube</i> <i>Refer to Figure 1</i> <i>Perform a detailed borescope inspection of the internal surfaces of the perforated flame tube within the exhaust muffler, accessing the interior through both the left and right entry points (points 1a and 1b). Focus the inspection on the region adjacent to the steel baffle plate located at the mid-length of the flame tube itself (the plate is highlighted in red in the 3D model shown as reference). <u>It is mandatory to perform the inspection from both sides to ensure full coverage.</u> Check for any of the following conditions: cracks, fractures or any signs of potential initiation of such defects. Subsequently, conduct a borescope inspection of the external surfaces of the perforated flame tube by inserting the borescope through the single outlet port normally leading to the exhaust terminal (point 2), <u>checking for the same conditions as above.</u> The external surface of the flame tube shall be inspected along its entire length, with particular attention to the area around the two edges of the steel baffle plate that are welded to the flame tube.</i>
4	<i>If any abnormal condition is found, contact Tecnam for further instructions (an Occurrence Report will be required)</i> <i>If no damage is found during the inspection, proceed with reinstalling the exhaust muffler. Refer to the applicable procedure in AMM Supplement S6, ATA 78-10</i>
5	<i>Record compliance with this Service Bulletin in the aircraft maintenance log</i>

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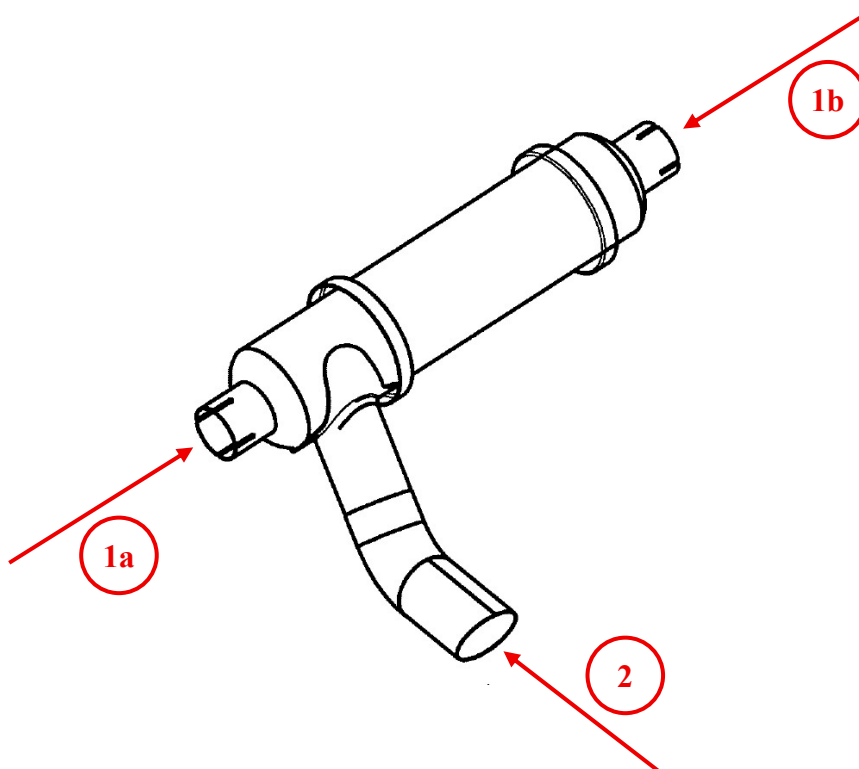
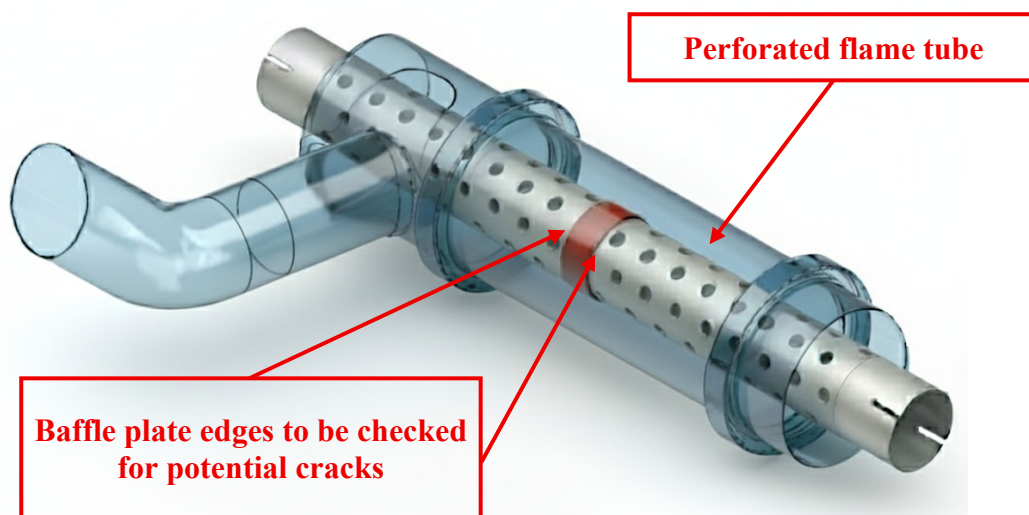


Figure 1 - Exhaust Muffler Flame Tube Inspection (3D model for reference only)