



SERVICE LETTER

SL-AG-145

Rev IR: 10/16/2025

BARRIER AIR FILTER GAP INSPECTION

Affected Aircraft Models	Serial Number Range
S2R	Any 510-gallon series aircraft (510, H80, T34, G10) currently equipped with the 21416-009 Barrier Air Filter.

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Director of Engineering

LOG OF REVISIONS

NOTE: Reformatting and correction of typographical errors is not considered revision.

Rev.	Page	Description of Revision	By:
IR	All	New Document Initial Release.	T. Surratt 10/16/2025

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1. PURPOSE/REASON FOR PUBLICATION

This Service Letter is issued following factory observation of gaps around the Barrier Air Filter (P/N: 21416-009). Its purpose is to advise owners and operators to inspect their aircraft for similar conditions.

2. SCOPE/COMPLIANCE

This Service Letter applies to aircraft equipped with the 21416-009 Barrier Air Filter. Owners/operators are requested to inspect the filter area upon notice of this Service Letter.

3. INSPECTION

1. Locate Barrier Air Filter at forward, lower end of aircraft. (Reference Figures 1 & 2)

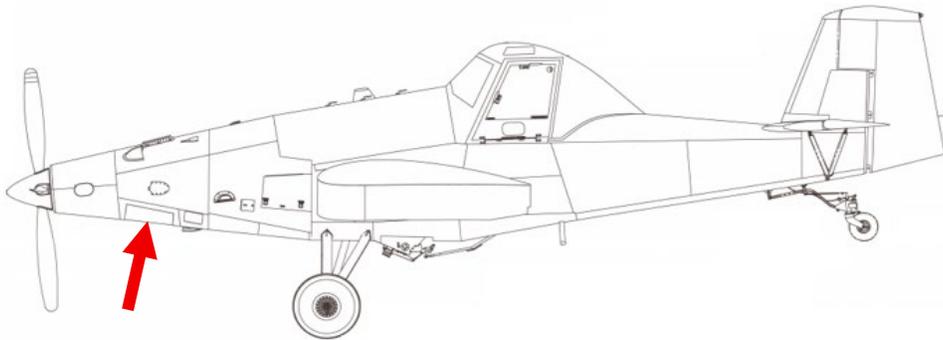


Figure 1

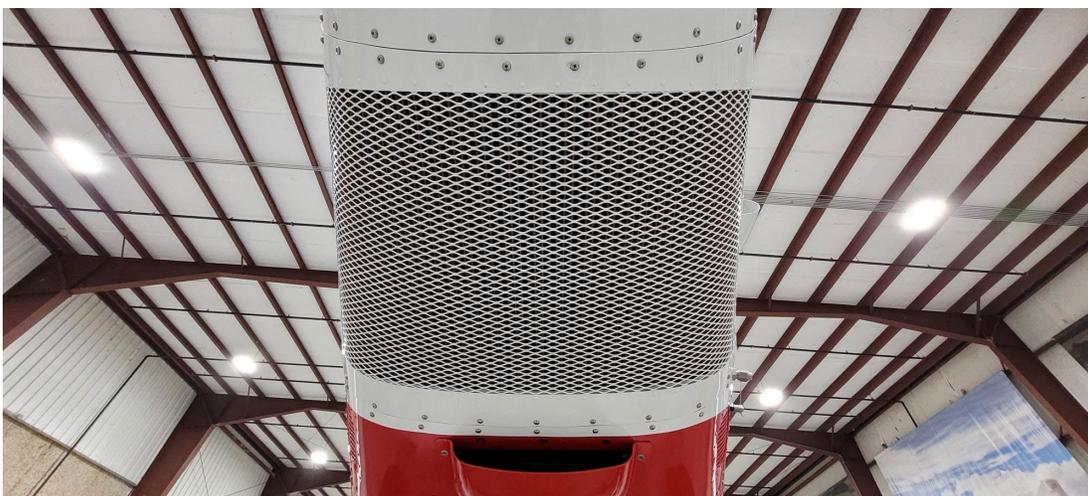


Figure 2

2. Inspect L/H and R/H sides of Barrier Air Filter for gaps. Gaps discovered if daylight visible on sides of Barrier Air Filter. (Reference Figures 3, 4, 5, & 6)

NOTE: Figures 5 & 6 show Air Filter Housing Panel open. Panel should be closed (as shown in Figures 3 & 4) during inspection.

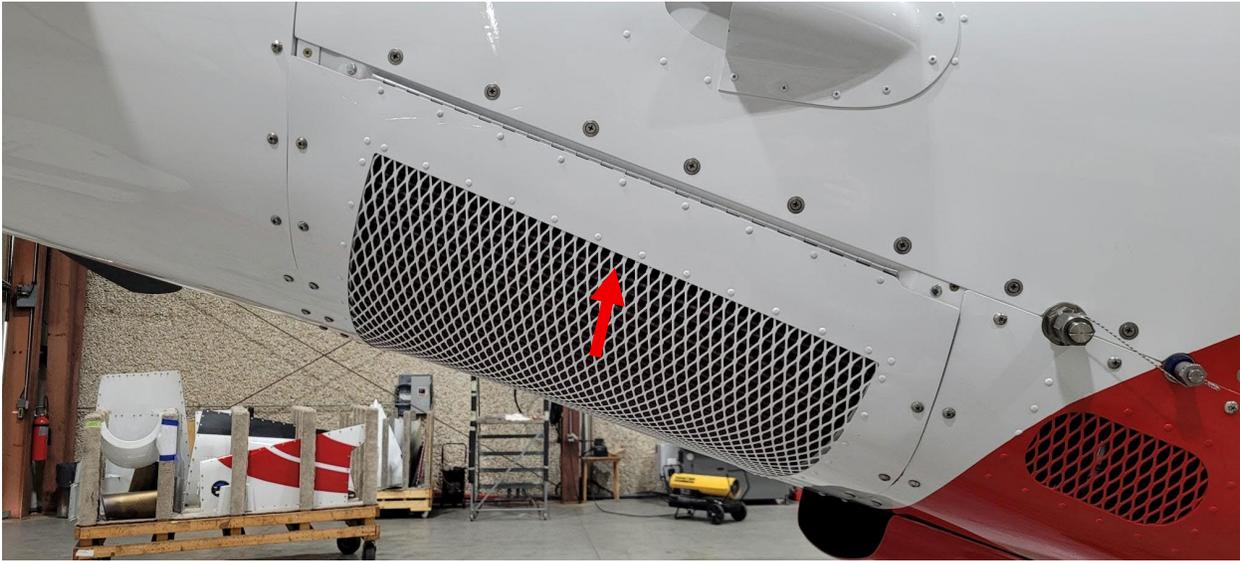


Figure 3

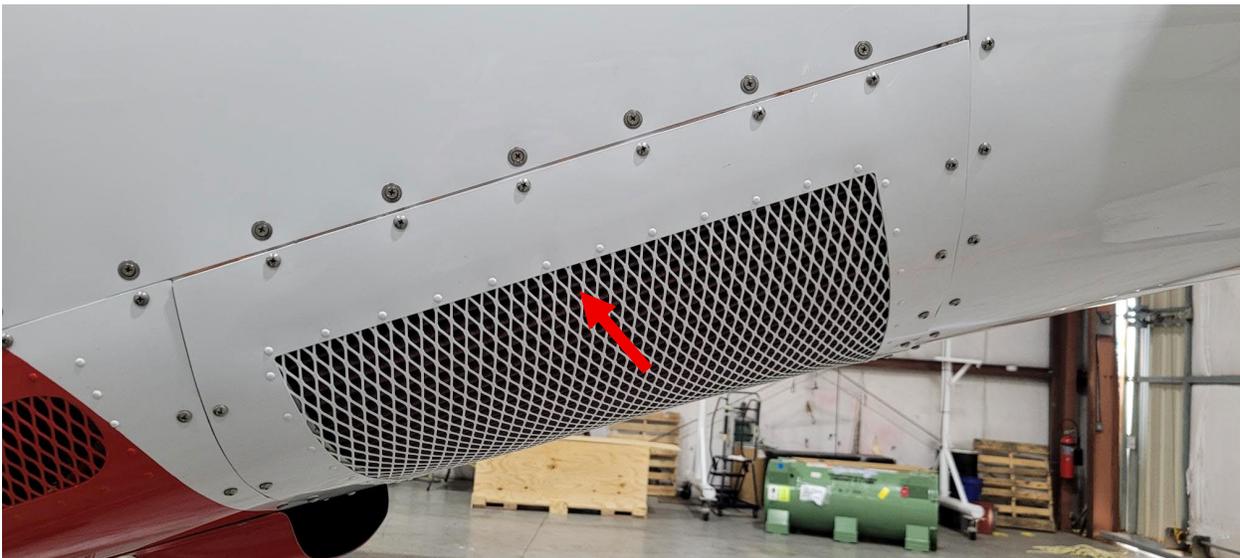


Figure 4



Figure 5 – LH Side, Panel Open



Figure 6 – RH Side, Panel Open

4. REPORT

1. If gaps found around Barrier Air Filter, notify us at support@thrushaircraft.com.

5. COMPLIANCE

Service Letter SL-AG-145 Rev. IR Compliance Report

Aircraft S/N:	Aircraft Owner:
Aircraft Registration #:	Address of Owner:
Airframe Total Time:	City & State:
Engine Total Time:	Physical Location:
Complied With By:	Date of Compliance:
Signature:	Certificate #:

PLEASE RETURN THIS REPORT ONLY AFTER INSPECTION IS MADE

This response card may be mailed, faxed to (229) 317-8225, or emailed to:
support@thrushaircraft.com

Fold, Tape & Mail (Do Not Staple)

Return Address:

**Thrush Aircraft, LLC.
Attn: Customer Support Team
300 Old Pretoria Road
Albany, GA 31721**