



A I R C R A F T

SERVICE BULLETIN

SB-AG-84

Rev A: 04/08/2024

S2R-510 Air Intake Filter Inspection & Gasket Tape Installation

| Affected Aircraft Models | Serial Number Range |
|--------------------------|--|
| S2R-510 | 101 - 103, 106, 108 - 112, 115, 118 - 120, 122, 127, 129, 131, 501, 502, 505, 506, 509, 513, 515, 516, & H80 - 140 |

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Director of Engineering

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LOG OF REVISIONS

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

True revisions are indicated by a dark vertical line at the right margin of the lines revised.

| REV | PAGE | DESCRIPTION OF REVISION | BY: |
|-----|------------|---|--------------------------|
| IR | All | New Document Initial Release. | T. Surratt 03/11/2024 |
| A | 1, 3, & 12 | Updated Serial Number Range to include 510-109, -110, -119, -127, -129, -131, -505, -513, -516. Updated page 12 from "Service Letter" to "Service Bulletin" as well as updated revision from "IR" to "A". | T. Surratt 04/08/24 |

1. PURPOSE/REASON FOR PUBLICATION

Thrush has been notified by one or more operator(s) of dirt or debris bypassing the air intake filter. This Service Bulletin acts as an Inspection Notification to S2R-510 Aircraft operators for the possibility of dirt or debris bypassing the air intake filter and how to install gasket tape, as required.

2. SCOPE/COMPLIANCE

This Service Bulletin contains the instructions for the immediate inspection and installation of gasket tape as required.

3. BY WHOM WORK WILL BE ACCOMPLISHED

The work is to be accomplished by an FAA Certified A&P Mechanic or foreign equivalent.

4. APPROVAL

This Service Bulletin is approved by the FAA and the Director of Engineering at Thrush Aircraft, LLC.

5. MAN HOURS

1 hour will be required.

6. SPECIAL TOOLS

N/A

7.PARTS LIST

| QUANTITY | PART NUMBER | NOMENCLATURE | USE |
|----------|---------------|--------------|------------------------|
| 3.340 YD | 7-200A-.125-1 | GASKET TAPE | Air Intake Filter Seal |
| 25 | AN526C1032R10 | SCREW | Air Intake |
| 2 | 9563K41 | PLUG | Hole Plug |

8.INSTRUCTIONS

8.1 HOW TO ACCESS

1. Remove screws from air intake filter panel door then carefully lower and set screws aside.



Figure 8.1.1

8.2 INSPECTION

1. Visually inspect air intake area for FOD and debris.
2. If FOD or debris is found, clean and remove.

8.3 COMPRESSOR WASH

1. Refer to the latest revision of the applicable Engine Maintenance Manual for instructions

8.4 INSTALLATION

1. Clean perimeter of lower cowl and intake filter housing flange area with denatured alcohol.
2. Measure length needed for each section, then cut and apply gasket tape.
 - **NOTE:** Maintain gasket centerline to fastener centerline.
 - **P/N:** (3.340 YD) 7-200A-.125-1_GASKET TAPE



Figure 8.1.2



Figure 8.1.3

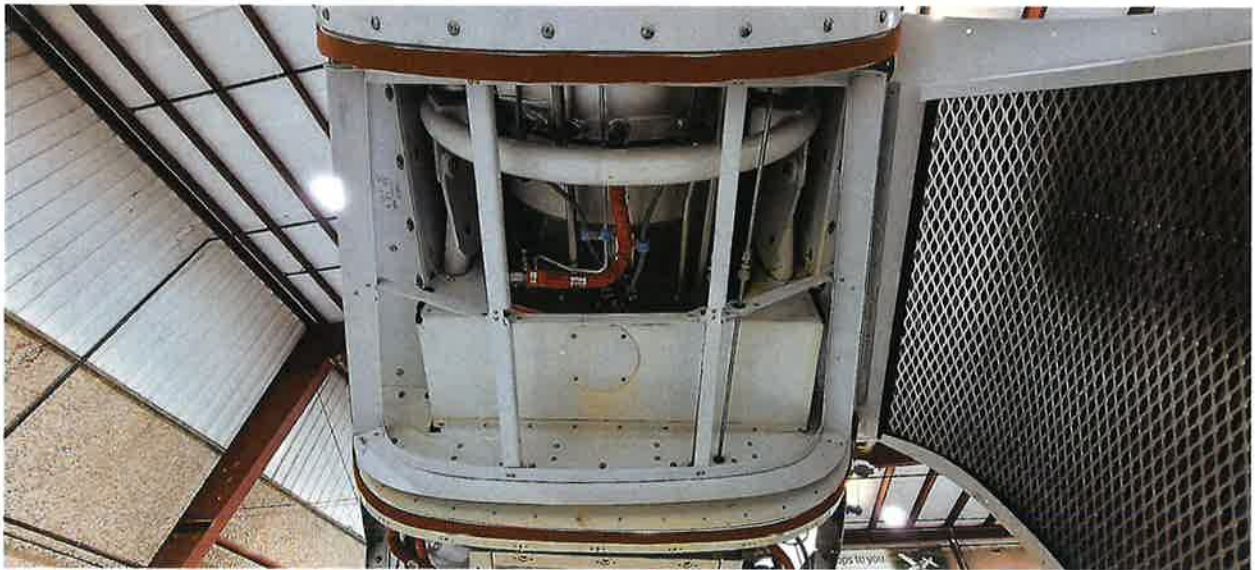


Figure 8.1.4



Figure 8.1.5

3. Take plugs and insert into holes above hinge of filter door panel.
 - P/N: (2) 9563K41_PLUG BUTTON

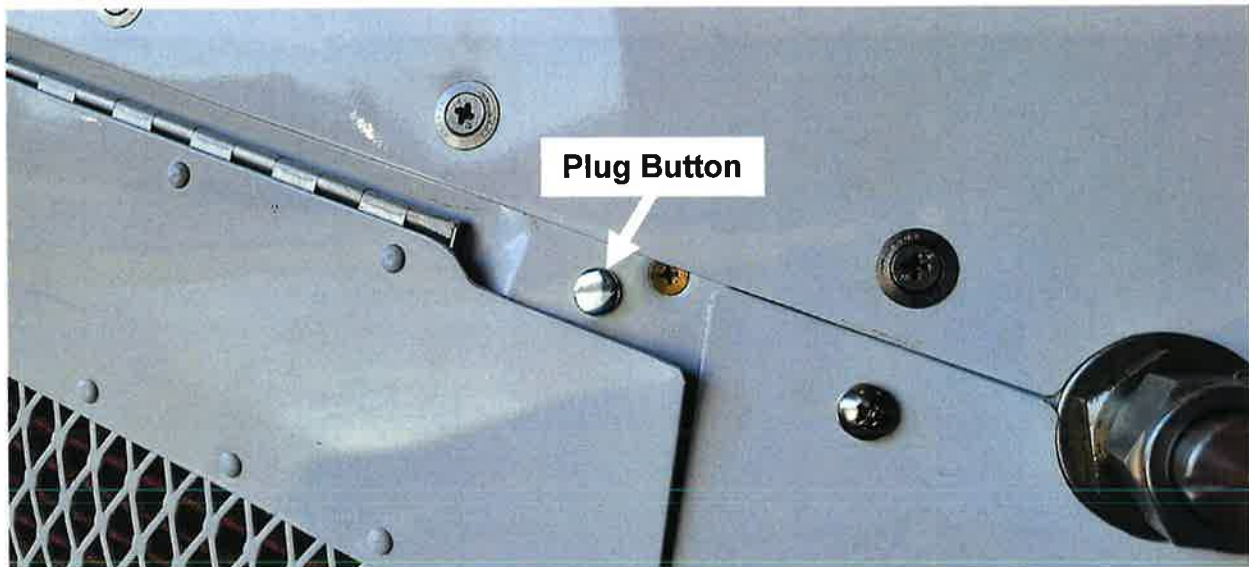


Figure 8.1.6

4. Ensure to open and flatten flanges of plug button.



Figure 8.1.7

5. Lift filter panel door and hold in place.

- **NOTE:** If possible, it is best practice to have assistance with this step.



Figure 8.1.8

6. Starting from hinge side, use an awl to locate and pierce hole in gasket tape at nut plate location.

7. Place awl in next hole over and align first hole location.

8. Insert screw into nut plate but don't tighten.

- **P/N:** (1) AN526C1032R10_SCREW



Figure 8.1.9

9. Move to opposite side (from forward to aft or aft to forward) and repeat steps 5-7.
 - **P/N:** (1) AN526C1032R10_SCREW
10. Continue following steps 5-8, working from hinge side, out and back and forth from forward to aft or vice versa.
 - **P/N:** (23) AN526C1032R10_SCREW
11. Trim protruding gasket tape as necessary.



Figure 8.1.10



Figure 8.1.11

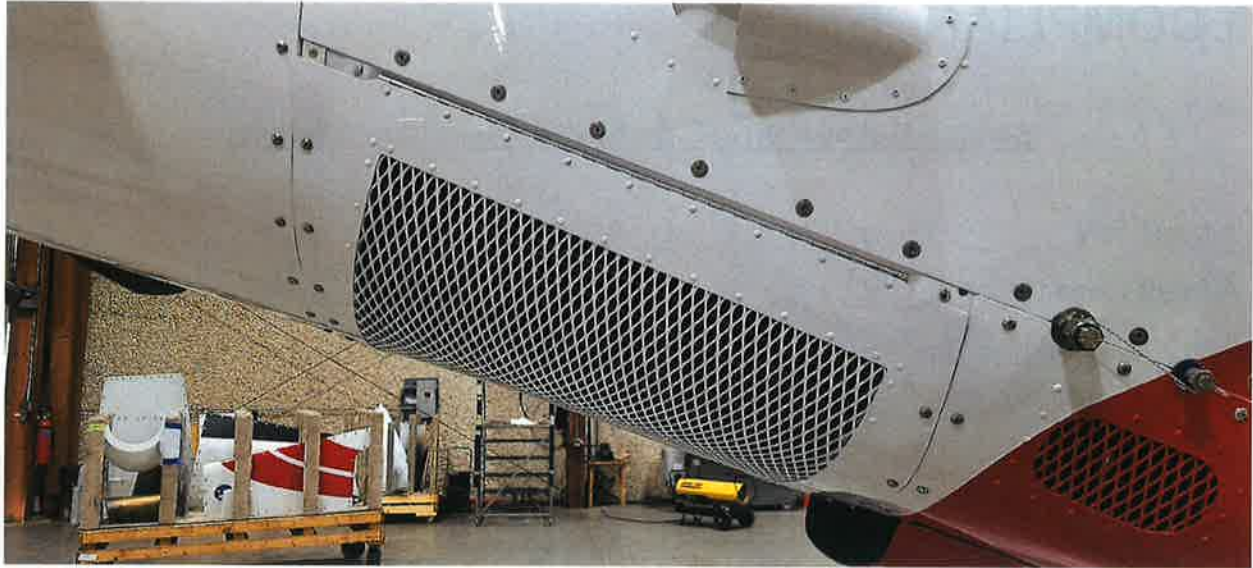


Figure 8.1.12

9. COMPLIANCE

Service Bulletin SB-AG-84 Rev. A 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 AND MODIFICATION 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)

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