



SERVICE LETTER

SL-AG-139

Rev A: 12/23/2024

S2R-T660 TAIL SPRING LIFE LIMITATION

Affected Aircraft Models	Serial Number Range
S2R-T660	ALL

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TABLE OF CONTENTS

1. PURPOSE/REASON FOR PUBLICATION	4
2. SCOPE/COMPLIANCE	4
3. INSPECTION CRITERIA	4
4. COMPLIANCE.....	5

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 12/16/2024
A	4	Revised inspection instructions	T. Surratt 12/23/2024

1. PURPOSE/REASON FOR PUBLICATION

The reason for this Service Letter is due to one or more operators reporting a broken tail spring.

2. SCOPE/COMPLIANCE

This Service Letter is to give notification of the addition of a 5,000 hour life limit to the tail spring, as well as additional inspection criteria.

3. INSPECTION CRITERIA

- After 100 hours of flight, complete the following in addition to existing 100 hour inspection processes:
 1. Reference Tail Landing Gear section of aircraft's maintenance manual for guidance with tail gear spring removal.
 2. Visually inspect (using 10X magnification & dye penetrant) bolt holes and lower inside radius of spring for cracks.
 - a. If cracks suspected due to hard landings, exposure to corrosive environments, or during the Annual Inspection:
 - i. Strip paint from spring and spring housing by chemical stripper.
 - ii. Inspect again with 10X and dye penetrant or other appropriate and approved NDT methods
 - b. If no cracks found or internal damage or stress suspected, continue to Step 3.
 - c. If cracks or damage found in any of the above steps, replace spring.
 3. Assemble tail gear with Sikaflex 291 marine sealant, replace hardware on condition.
 4. Reference Tail Landing Gear section of aircraft's maintenance manual for guidance with tail gear spring installation.

4. COMPLIANCE

Service Letter SL-AG-139 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 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:

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