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AIRCRAFT: PITTS SPECIAL

*P.O. Box 1240
672 South Washington
Afton, WY 83110 USA
307-886-3151
Fax: 307-885-9674
aviat@aviataircraft.com*

SUBJECT: Aileron Cove Fabric Retention Strips

Engineering aspects are FAA Approved.

1. EFFECTIVITY

Pitts S-2C

2. PURPOSE

Prevention and repair of Aileron cove fabric delamination

3. BACKGROUND

Several Pitts S-2C aircraft have experienced delamination of the fabric in the aileron coves, causing it to chafe the leading edges of the ailerons

4. COMPLIANCE

At owners discretion.

5. INSTALLATION INSTRUCTIONS

NOTES: Refer to Appendix A for installation drawings, Appendix B for Parts List.

A. Removal.

1. Remove aileron interconnects, disconnect lower wing aileron control rods, remove ailerons by removing the bolts through the hinges. Use caution to avoid damage to the ailerons or the hinge bearings. Mark left and right on all components to assure reassembly in the proper position.

B. Installation

1. Tape retention strips into the center of the cove, aligned per the drawings on Appendix A. The strips must be oriented per the drawing to avoid drilling into the nailing blocks.
2. Match drill #40 holes through aileron cove.
3. Install SSP-32 blind rivets in all holes.
4. Remove tape
5. Paint if desired

C. Completion.

1. Reinstall ailerons. Check for rubbing of leading edges on rivets.
2. Install aileron interconnects.
3. Inspect all fasteners for proper installation and safety
4. Make aircraft log entry to note maintenance performed referencing this service bulletin.
5. Prior to return to service perform the requirements of FAR 91.407(b) including test flight of the aircraft to verify proper aileron function, operational check of maintenance and log of the flight in the aircraft records.

ADDITIONAL INSTRUCTIONS

Weight and balance

Installed weight is approximately 0.1 lb. per aileron cove. Per AC43.13-1B, paragraph 10-1, no weight and balance computation is required.

Airplane flight manual

No changes.

Repetitive Inspections

None required.

Continuing Maintenance

Refer to the Pitts Special S-2B/S-2C Aircraft Maintenance Manual.
(Aviat PN 70206-001).

Appendix A
Installation Drawing

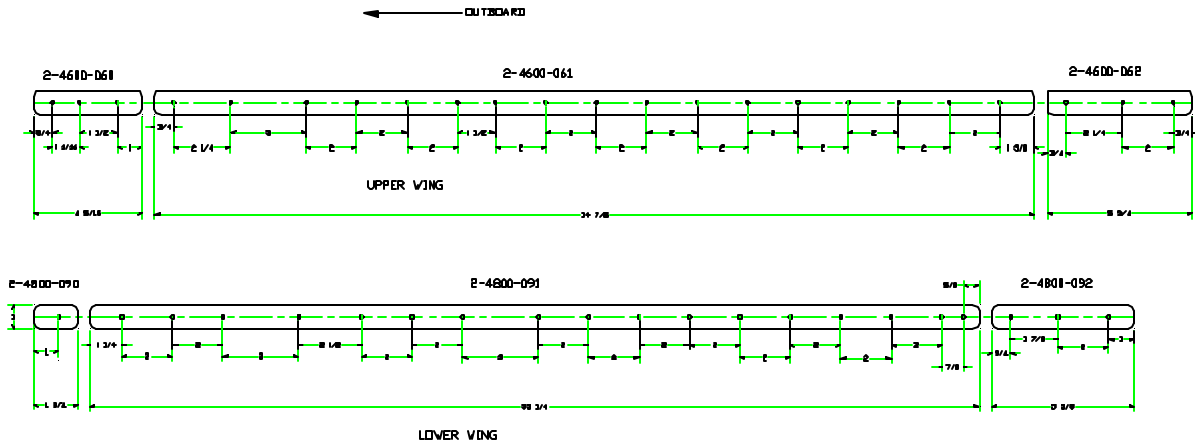


Figure 1. Strip Orientation

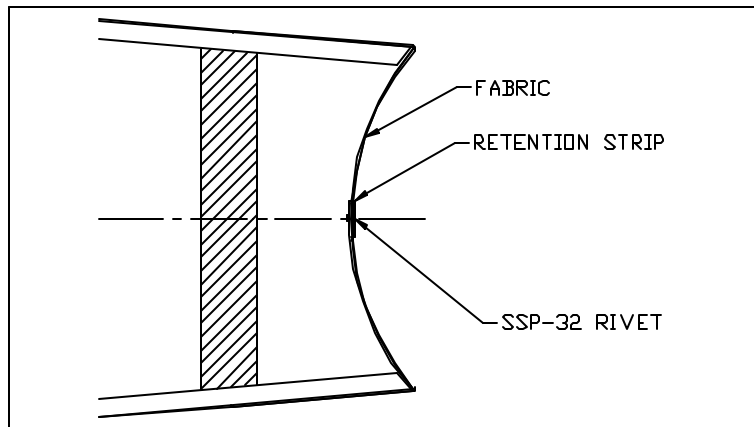


Figure 2. Installation cross-section

Appendix A
Material List

Part	Required
2-4600-060 Retention Strip	2 per upper wing aileron cove
2-4600-061 Retention Strip	2 per upper wing aileron cove
2-4600-062 Retention Strip	2 per upper wing aileron cove
2-4800-090 Retention Strip	2 per lower wing aileron cove
2-4800-091 Retention Strip	2 per lower wing aileron cove
2-4800-092 Retention Strip	2 per lower wing aileron cove
SSP-32 Blind Rivet	46 per upper wing aileron cove 42 per lower wing aileron cove

The above listed material may be ordered as Kit Number S-2C-502