

# FIELD REPAIR / ALTERATION

CIRRUS DESIGN CORPORATION

Duluth, MN 55811

<b>AUTHOR:</b>	<b>David L Johnson</b>	<b>CHANGE CLASS:</b>	MINOR	<b>REPAIR #</b>	CM00007163
<b>Name:</b> TAIL STRIKE		<b>REASONS AND REMARKS:</b> TAIL STRIKE DURING LANDING CAUSING DAMAGE TO THE AFT VERTICAL SPAR AND FUSELAGE SKINS.  REFERENCE FSR 2726		<b>Models Affected</b>	<b>ASN# Impacted</b>
<b>Description:</b> TAIL STRIKE				SR20	1432
<b>DOCUMENT TYPE:</b>		<b>FIELD REPAIR</b>		n/a	
<b>Items Affected by Repair/Alteration</b>		<b>REVISION</b>	<b>DESCRIPTION/TITLE</b>		n/a
					n/a

**NOTICE:**

THE REPAIRS HEREIN ARE PROVIDED SPECIFIC TO DAMAGE REPORTED TO CIRRUS AIRCRAFT. OTHER DAMAGE MAY BE PRESENT AND IT IS THE RESPONSIBILITY OF THE MAINTENANCE PERSONNEL OR ORGANIZATION TO ASSESS ANY ADDITIONAL DAMAGE AND REPLACE DISCREPANT PART(S). KNOWN DAMAGED PARTS WHICH CAN BE REPLACED IN ACCORDANCE WITH APPROVED METHODS SHOULD BE ADDRESSED AND MAY NOT BE ADDRESSED SPECIFICALLY IN THIS REPAIR.

**REPAIR INSTRUCTIONS: SUMMARY**

1. GENERAL REQUIREMENTS
  - A. >>> CAUTION: READ INSTRUCTIONS COMPLETELY AND THOROUGHLY BEFORE ATTEMPTING ACCOMPLISHMENT OF THIS REPAIR.
  - B. FOLLOW PRACTICES DEFINED IN DOCUMENT 12137-001, "SR20 AIRPLANE MAINTENANCE MANUAL" (AMM), CHAPTER 51.
  - C. AFFECTED EMM SHALL BE REMOVED PRIOR TO ACCOMPLISHMENT OF THIS REPAIR AND REPLACED AFTERWARDS PER AMM 51-20.
  - D. TAKE EXTREME CARE TO PREVENT ADDITIONAL DAMAGE TO THE AIRCRAFT STRUCTURE OR SYSTEMS.
2. PROCURE FROM CIRRUS AIRCRAFT:
  - A. 29142-012, REPAIR, COMPOSITE, FUSELAGE SECTION, RH – QUANTITY 1.
  - B. 29143-012, REPAIR, COMPOSITE, FUSELAGE SECTION, LH – QUANTITY 1.
  - C. 20083-003 OR 20083-004, SPAR, VERTICAL, AFT – QUANTITY 1.
    - I. REQUIRED SECTION IS LOWER ~30" OF SPAR.
    - II. REQUIRED SECTION CANNOT HAVE THE RDM CUTOUT.
3. REMOVE DAMAGED FUSELAGE SKINS AND AFT VERTICAL SPAR.
4. **AFT VERTICAL SPAR REPLACEMENT.**
5. FUSELAGE SKIN REPLACEMENT.
6. EXTERIOR WETLAY REPAIR.
7. TAIL TIE DOWN FINISHING.
8. BODYWORK AND PAINT.

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