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ALERT SERVICE BULLETIN ASB No. AA-00119

SAFETY ALERT NOTICE POTENTIAL PROBLEM AND SOLUTION

SUBJECT: **AFT CROSSTUBE ASSEMBLY:**
P/N 212-320-104 Low Skid Gear
P/N 212-321-104 High Skid Gear
Installed on Bell 205A, 205A-1, 205B, 212
Model Helicopters

HELICOPTERS AFFECTED: All Bell 205A,205A-1,205B,212 Helicopters
equipped with subject Crosstube Assemblies
installed.

COMPLIANCE: This bulletin shall be complied with immediately
upon receipt.

DESCRIPTION: This Alert Service Bulletin is being issued to
require a one time inspection of the Crosstube
Upper and Lower Supports for evidence of de-
bonding and/or movement, a torque check of the
Support U-Bolts, and to provide procedures for re-
bonding the Supports if they are found to be
loose.

MAN POWER: Part 1: Approximately 0.5 hours.
Part 2: Approximately 4.0 hours.

FAA APPROVED
Date: 10/2/00 Initials: [Signature]

IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD THIS BULLETIN TO NEW OWNER

MATERIAL:

- Part 1: None
Part 2: MIL-S-8802, Type 2, Class B2
180 grit abrasive paper

SPECIAL TOOLS:

Torque Wrench

WEIGHT AND BALANCE:

Not affected.

PUBLICATIONS AFFECTED:

None affected.

ACCOMPLISHMENT INSTRUCTIONS:

PART 1:

1. Inspect Aft Crosstube Assembly for evidence of de-bonding and/or movement of the Upper and Lower Supports. If evidence of de-bonding and/or movement is found, complete the PART 2 procedures.
2. Check torque (80-100 in-lbs) on U-Bolt nuts, re-torque as required

PART 2:

NOTE

If no evidence of de-bonding and/or movement of the Upper and Lower Supports was found during PART 1, completion of PART 2 is not required.

1. Remove the landing gear from the aircraft.
2. Remove the Support U-bolts from the Crosstube Assembly.
3. Remove the Supports from the Crosstube Assembly. Use of a heat gun to soften the sealant may facilitate removal.

4. Using a plastic scraper, remove the old sealant from Crosstube and Supports. Clean with a clean cloth and alcohol.

NOTE

Inspect the Nylon coating on the faying surface of the Supports for condition. Replace Supports if coating has separated or has worn through.

5. Scuff the faying surface of the Crosstube and the Supports with 180 grit abrasive paper. Do not remove paint from the Crosstube or Nylon Coating from the Supports.
6. Clean the sanding residue from the Crosstube and Supports using alcohol and a clean cloth.
7. Apply a layer (approx. 1/16 inch) of sealant (MIL-S-8802 Type 2, Class B2 or equiv.) to inside surface of the Supports prior to assembly.
8. Reassemble the Upper and Lower Supports and the U-Bolts on the Crosstube, Refer to Figure 1.
9. Remove excess sealant and wipe clean after assembly.
10. Torque the U-bolt nuts to 80-100 in.lbs. (9.0 to 11.0 Nm) within 30 minutes after application of sealant. Check torque on the U-bolts after the sealant has cured (72 hours at room temperature). Re-torque as required.

CAUTION

Flight/landing operations prior to full sealant cure (72 hours at room temperature) could result in Crosstube Support movement.

11. Re-install the landing gear on the aircraft.

Any questions regarding this bulletin should be addressed to:

AERONAUTICAL ACCESSORIES, INC.
PRODUCT SUPPORT
1-800-251-7094

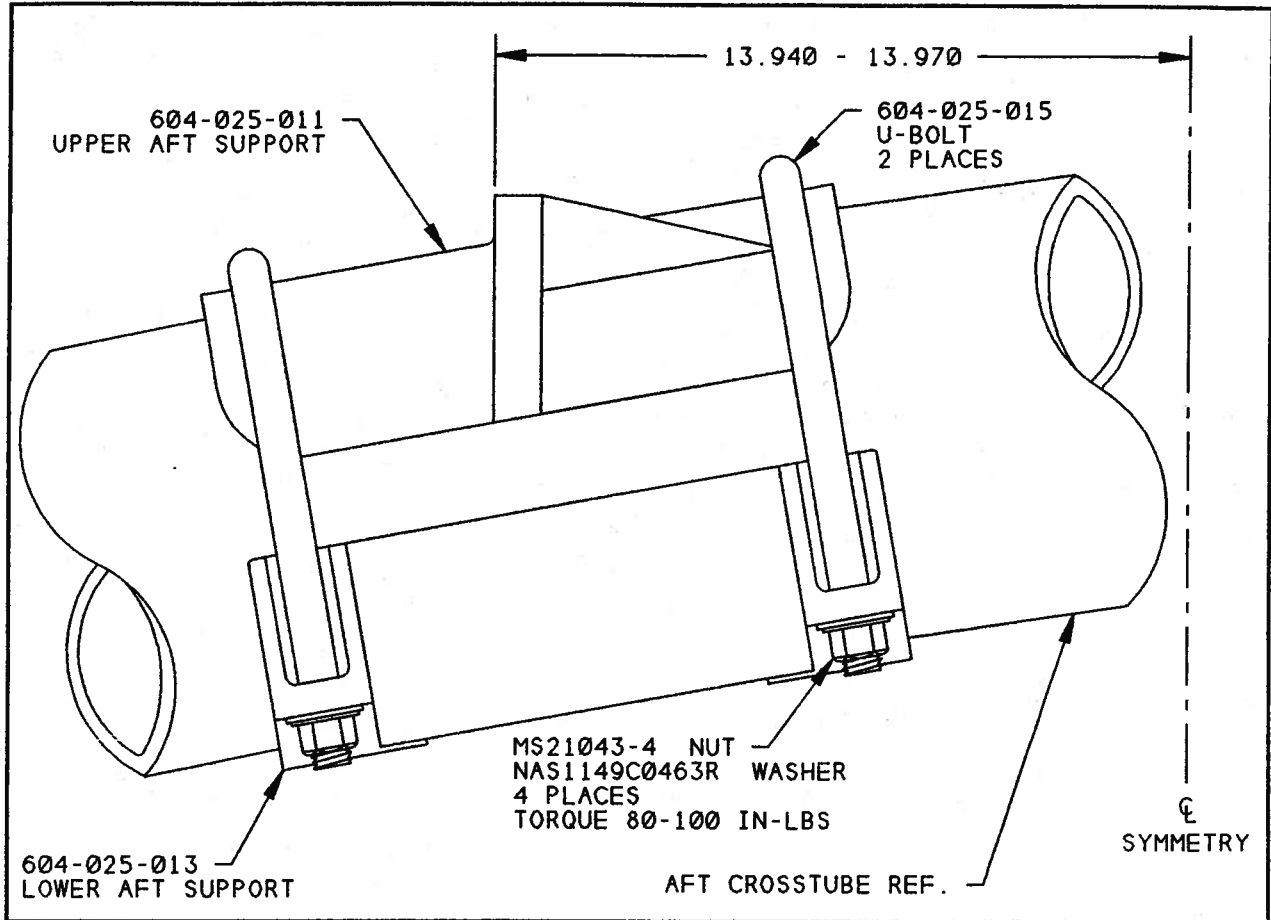


FIGURE 1