

Service Bulletin

Title: SB 429-205 Bell 429 Condenser Fan Motor Mount Fastener Inspection

Date: September 18, 2017

Applicability: Bell Helicopter Textron Canada Limited 429 Aircraft equipped with any Air Comm Corporation 429EC-200 or 429EC-202 Air Conditioning Systems. Not applicable to any 429EC-200 or 429EC-202 Systems with SK-429EC-7000 accomplished.

Reference: FAA STC # SR00693DE

Compliance: Recommended inspection within 20 flight hours.

Supplied Parts: 4x AN5H7A fasteners
3x MS24678-14 fasteners
3x AS3510-0224K safety cable kit

Not Supplied: Loctite 222
Indelible ink

Revision	Issue Date	Inserted By	Approved by	Description of Changes
NC	8/9/17	CRP	JEB	Initial Release
A	8/14/17	CRP	JEB	Updated Figure 3, removed torque stripe requirement, corrected typo in Step 5
B	9/12/17	CRP	JEB	Updated applicability and supplied parts, and changed torque instructions for AN5H7A fasteners
C	9/18/17	CRP	JEB	Revised procedure for clarity

A. Discussion:

During an annual inspection, an operator reported finding the condenser blower motor detached from the condenser blower assembly and resting on the collective control tube. FAA Emergency AD #2017-05-51 was created in order to prevent the motor from detaching. This service bulletin is intended to rework the condenser blower assembly by adding secondary locking features to all fasteners in order to ensure safety of flight and to comply with all regulations.

B. Procedure:

Follow the procedure listed below:

1. Remove the condenser assembly from the aircraft per 429EC-200M-1 Instructions for Continued Airworthiness.

2. Remove the 3x MS27039-1-15 fasteners. Apply Loctite 222 to 3x MS24678-14 fasteners and install in cover fastener holes. Torque fasteners to 20-25 in-lbs. See Figure 1 for location of MS27039-1-15 fasteners.
3. Attach AS3510-0224K locking cable or MS20995C32 locking wire to 3x MS24678-14 fasteners as shown in Figure 2, installing per the double-twist method specified in AC 43.13-1B Chapter 7 Section 7.
4. Remove 4x AN5-7A fasteners. See Figure 1 for location of AN5-7A fasteners.
5. Install 4x AN5H7A fasteners. Re-use existing washers. Re-install ground wire as shown in Figure 1. Tighten fasteners to snug plus ¼ turn.
6. Attach 2x AS3510-0224K locking cable or 2x MS20995C32 locking wire to 4x AN5H7A fasteners as shown in Figure 3, installing per the double-twist method specified in AC 43.13-1B Chapter 7 Section 7.
7. Mark out existing part number on S-6063EC-1 condenser blower. Remark using indelible ink as S-6063EC-3.
8. Mark out existing part number on 429EC-7004-1 condenser assembly. Remark using indelible ink as 429EC-7004-2.
9. Reinstall the condenser assembly on the aircraft per 429EC-200M-1 Instructions for Continued Airworthiness.
10. Make log entry that this service bulletin SB 429-205 Rev C has been performed.

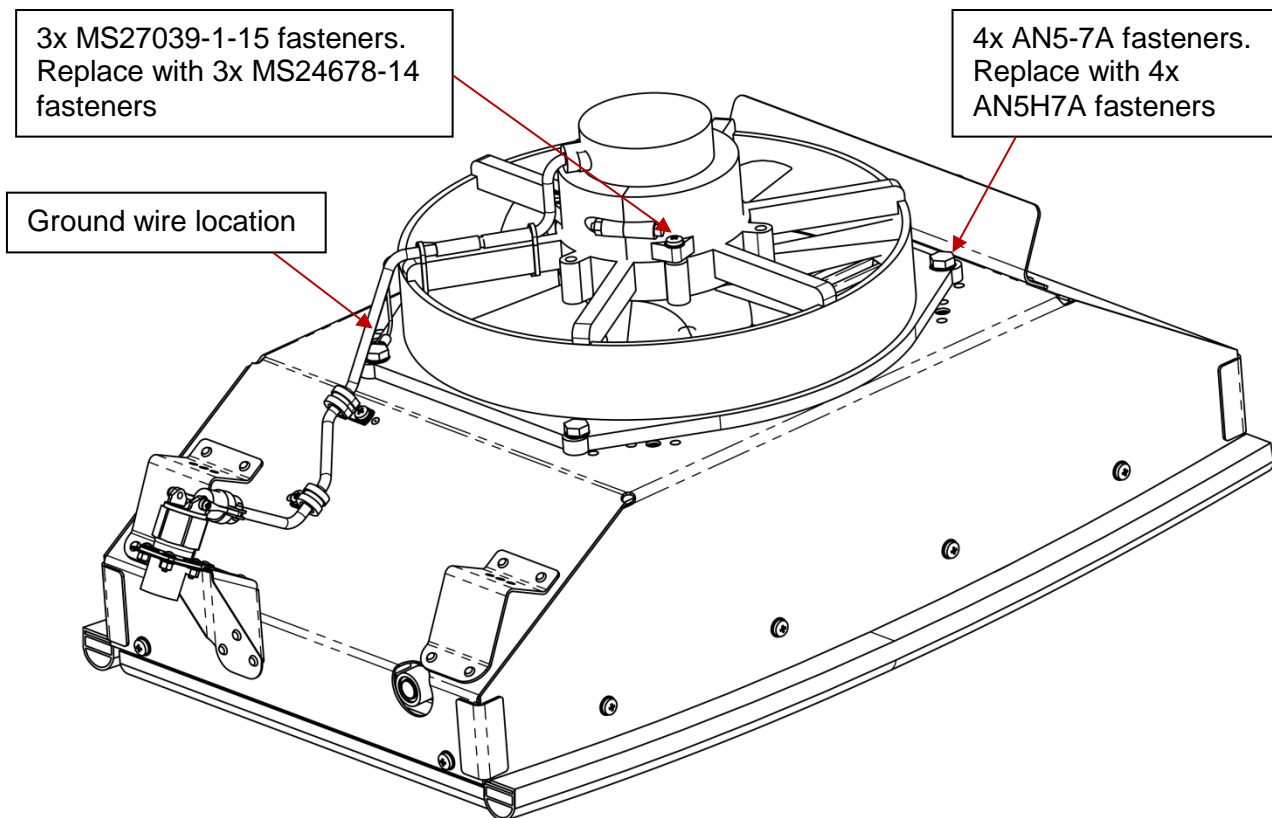


Figure 1

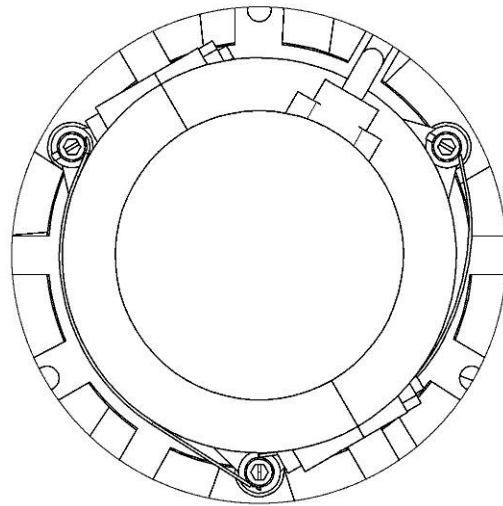


Figure 2

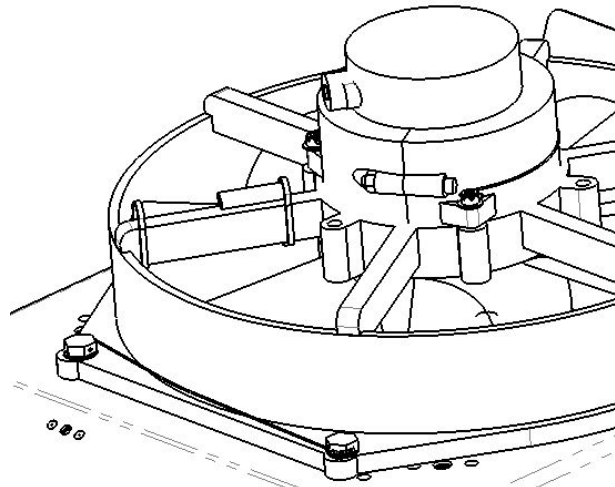


Figure 3

C. Approval:

This bulletin is based on previously FAA-approved data.

D. Weight & Balance:

Changes to weight & balance as a result of this service bulletin have been determined to be negligible.