

Service Bulletin

Title: SB 412-112316 Bell 412 Compressor Mount Nut Cracks

Date: November 23, 2016

Applicability: Bell Helicopter 412 Aircraft equipped with the Air Comm Air Conditioning System, all serial numbers. The system serial number is marked on the compressor mount.

Reference: FAA STC # SR00066DE

Compliance: Recommended inspection within 20 flight hours, recurring re-inspection each 25 flight hr period per the current ICA "412AC-208M_Rev14".

A. Discussion:

During inspection an operator has reported finding cracks in the nuts securing the compressor mount to the main transmission housing. Although the nuts remained intact and capable of securing the mount it is believed that continued use would eventually lead to failure of the nuts and subsequently a loss of rigidity of the compressor mount. The compressor mount is secured to the transmission by 6 fasteners; three close tolerance 3/8 shear bolts on the top (high side) of the mount and three 3/8 studs on the low end of the mount. The cracks have been found in the nuts securing the low end of the mount to the transmission studs. The nuts are made from MS21042 self-locking steel nuts modified in height to accommodate the stud length.

B. Procedure:


Referring to the photo on page 2, locate the 3 nuts identified at the lower end of the compressor mount and visually inspect in place for cracks. If cracks are found, replacement hardware can be obtained from the Air Comm Corporation Service Department. Please contact us at: Phone 303-440-4075, Fax 303-440-6355, or E-mail service@aircommcorp.com

C. Approval:

This bulletin is based on previously FAA-approved data.

D. Weight & Balance:

No change to aircraft weight & balance.

Revision	Issue Date	Inserted By	Approved by	Description of Changes
NC	11/23/16	JMB		Initial Release

