



SPECIAL AIRWORTHINESS INFORMATION BULLETIN

SAIB: SW-15-20
Date: 8/13/2015

SUBJ: Air Conditioning System Wiring

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) alerts owners and operators of possible overheated and melted connectors in the air conditioning wiring of the following helicopters with Air Comm Corporation (Air Comm) Supplemental Type Certificate (STC) installed:

Model	Air Comm Service Bulletin Number and Title Date	Date Issued	STC Number
Bell Helicopter Textron Canada Limited (Bell) 206	206-110414 Bell 206 Air Conditioner Blower Motor Connector	11/4/2014	SH2750NM
Bell 407	407-110414 Bell 407 Air Conditioner Blower Motor Connector		SR00222DE
Bell 427	427-110414 Bell 427 Air Conditioner Blower Motor Connector		SR00418DE
Agusta S.p.A. (Agusta) A119	A119-111014 Agusta A119 Air Conditioning Aft Evaporator Blower Motor Connector	11/10/2014	SR00463DE
Agusta A119	A119-7004 Agusta A119 Air Conditioner Condenser Blower Motor Connector	11/4/2014	SR00463DE
Airbus Helicopters (Airbus) AS350	AS350-111014 AS350 Air Conditioning Aft Evaporator Blower Motor Connector	11/10/2014	SR00643DE
Airbus EC120	EC120-111014 Airbus EC120 Air Conditioner Blower Motor Connector		SR00491DE
Airbus EC130	EC130-6204 Airbus EC130 Air Conditioning Aft Evaporator Blower Motor Connector		SR00543DE

At this time, the airworthiness concern is not an unsafe condition that would warrant airworthiness directive (AD) action under Title 14 of the Code of Federal Regulations (14 CFR) part 39.

Background

A helicopter that had connectors installed per one of the affected STCs listed above noted on landing that a burning odor was present. Upon investigation by maintenance personnel, a Molex connector installed per the STC was found to be melted and discolored. Air Comm's investigation revealed poor crimping, during installation of the connectors, to be the root cause. Further, the investigation revealed the STCs noted in the table could have as many as three Molex connectors installed with

two or three pins and sockets in each. Some of these crimps were made when the STC was installed and some were made during production of the STC kit at Air Comm.

Recommendations

The Federal Aviation Administration (FAA) recommends that all owners and operators of helicopters listed in the previous table, with the associated air-conditioning STCs installed, implement the actions outlined in the listed Air Comm Service Bulletins.

For Further Information Contact

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For Related Service Information Contact

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