

**Service Kit**

**FAA/DER APPROVED**

**Service Kit:** SK-S-8022EC-3

**Title:** Eurocopter EC135 Air Conditioner Evaporator Blower Motor Noise Filter Installation.

**Date:** August 15, 2007

**Applicability:** All Eurocopter Model EC135 Helicopters equipped with the Air Comm Corporation Air Conditioner Electrical System EC135-200.

**Reference:**  
STC, SR00565DE Cabin Air Conditioning System.  
EC135-800 Electrical Installation Drawing

**Compliance:** Optional, at the discretion of the operator.

**Purpose:** The purpose of this document is to install a filter to the evaporator blower motor wiring, to eliminate noise produced by the blower motor during the operation of the air conditioner system. This condition can occur due to the varying locations and installation of the radio antennas, and their proximity to the aft evaporator blower assembly.

**Discussion:** In some situations the evaporator fan motor may be emitting electrical noise that can be heard thru the aircrafts communication system. The installation of the S-8022EC-3 Filter Assembly will eliminate the noise without altering the motor's performance. The air conditioner system has three evaporator motors, L/H & R/H forward evaporators which are located on each side of the instrument console, and one aft evaporator blower located under the main cabin floor (approximately at station 3150).

**Instructions:**

Install the item(s) in the Bill of Materials section of this document using the reference documents listed on Page 2 of 2 of this document.

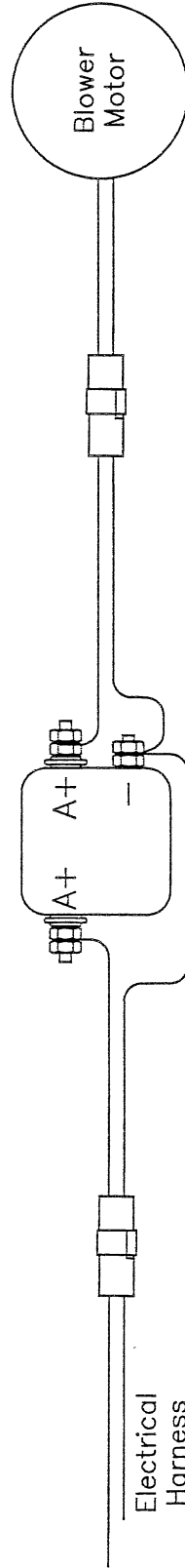
**Bill of Materials (Items to be installed)**

Item	Qty.	Description	Part Number to be Installed
1	3	Motor Filter	S-8022EC-3

**CAUTION**

Disconnect battery and external power prior to starting work.

Disconnect electrical harness from blower motor at electrical connector and install S-8022EC-3 Filter in series.



**S-8022EC-3  
Filter**

**Weight and Balance:**

There is no change to the weight and balance, as the addition of the S-8022EC-3 Motor Filter is negligible.