

Service Kit

FAA-DER APPROVED

Service Instructions SK-A119-02

- Title:** Agusta Model A119 Cabin Air Conditioning System Aft Evaporator Blower Assembly Replacement
- Date:** January 5, 2005
- Applicability:** Agusta Model A119 helicopters equipped with the Air Comm Corporation A119-202-1 and A119-202-2 Cabin Air Conditioning Systems
- Reference:** STC SR00463DE Agusta Model A119 Cabin Air Conditioning System
- Compliance:** Optional, at the discretion of the operator
- Purpose:** To replace the original equipment aft evaporator blower assembly (A119-6016-1) with a new higher output aft evaporator blower assembly (A119-6018-3)
- Discussion:** The purpose of this kit is to upgrade the existing ACC Cabin Air Conditioning System P/N A119-202-1 and A119-202-2 by replacing the original equipment aft evaporator blower assembly (A119-6016-1) with a new higher output aft evaporator blower assembly (A119-6018-3).
- Planning:** Removal and replacement will take approximately 2 man-hours to complete.
- Price &:** Contact Air Comm Corporation (303-440-4075) for kit price and **Availability** availability.

Installation Instructions:

Aft Evaporator Blower Assembly Removal (Refer to Figure 1):

CAUTION

It is recommended that the battery and external power be disconnected before starting work.

Revision	Issue Date	Inserted By	Description of Changes
A	03/29/05	JD	Added reference to A119-6018-2- pgs 3,4,5. Corrected title Fig 2.
B	05/31/06	GP	Chg. Part number A119-6018-1 to A119-6018-3

Installation Instructions (Cont'd):

Aft Evaporator Blower Assembly Removal (Refer to Figure 1) (Cont'd):

1. Access the roof area forward of the main rotor transmission.
2. Remove the duct from the aft evaporator blower assembly by removing the CT21B tywrap securing the aft evaporator duct to the aft evaporator blower assembly.
3. Disconnect the electrical connection to the aft evaporator blower assembly.
4. Remove and retain the four AN525-10R8 Screws and NAS1149FO332P Washers that secure the aft evaporator blower assembly to the air conditioning system's airbox assembly.
5. Remove and retain the four AN3-Confidential Page 2 5/31/20064A bolts and NAS1149FO332P washers that secure the aft evaporator blower assembly to the helicopter.
6. Remove and discard the A119-6016-1 aft evaporator blower assembly.

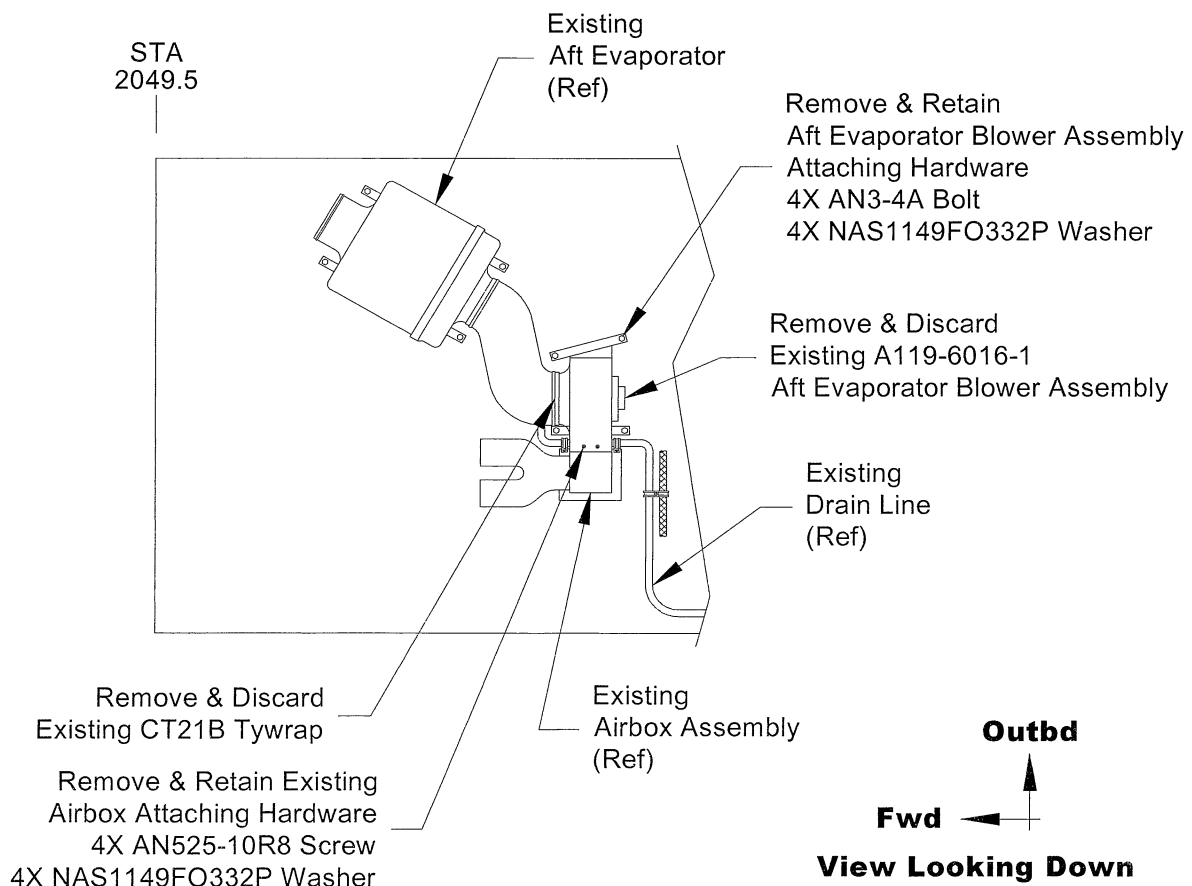


Figure 1

Removal of Existing A119-6016-1 Aft Evaporator Blower Assembly

Installation Instructions (Cont'd):

Aft Evaporator Blower Assembly Installation (Refer to Figure 2):

6. Install A119-6018-1 aft evaporator blower assembly by reversing the removal instructions of the A119-6016-1 aft evaporator blower assembly. The A119-6018-2 Resistor Plate Assy is positioned between the A119-6018-3 blower and the existing mount angles using the existing hardware. (Refer to Figure 2). Connect the blower motor connector to the resistor plate assy (two pin) and the power input (3 pin) to the other connector on the resistor plate assy.
7. Secure all aft evaporator blower assembly electrical wiring as required using CT7B tywraps.
8. After installation, perform the following functional test.
 - a. Turn on aircraft power.
 - b. Place the aft evaporator blower speed switch in LOW.
 - c. Place the air conditioning system's control switch in BLOWER and verify that the aft blower is operating at low speed.
 - d. Place the aft evaporator blower speed switch in High and verify that the aft blower is operating at high speed.
 - e. Place the air conditioning system's control switch in OFF and verify that the aft blower quits operating.
 - f. Place the air conditioning system's control switch in AC and verify that the aft blower is operating at high speed.
 - g. Place the aft evaporator blower speed switch in LOW and verify that the aft blower is operating at low speed
 - h. Place the air conditioning system's control switch in OFF and verify that the aft blower quits operating.

End Test
9. Installation complete, clean, remove all debris and tools, and then close up helicopter roof area.

Installation Instructions (Cont'd):

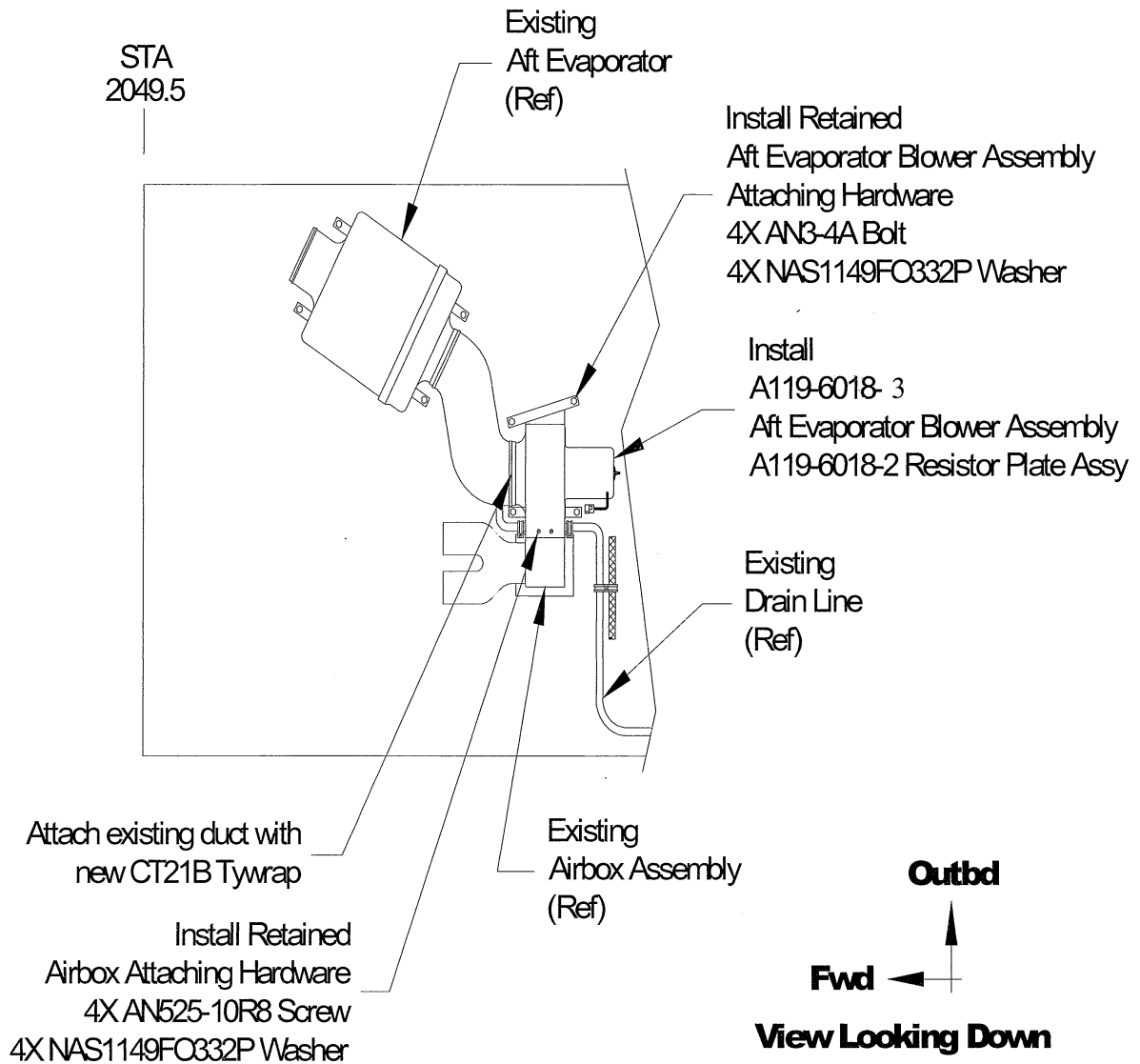


Figure 2

Install of A119-6018-3 Aft Evaporator Blower Assembly

Weight & Balance

The weight change to the aircraft is an additional .75 lbs., which is negligible. Therefore no change to the existing weight and balance is required.

Electrical Load

The electrical load change to the aircraft is an additional 4 amps. Adjust the electrical load analysis of the aircraft accordingly.

Required Documents

This document is stand-alone

Bill of Material

Item	Part No.	Description	Qty
1	A119-6018-3	Aft Evaporator Blower Assembly	1
2	A119-6018-2	Resistor Plate Assembly	1
3	CT7B	Tywrap	5
4	CT21B	Tywrap	3