



## AIRCRAFT MAINTENANCE MANUAL

### AHRS FAN - CLEANING/PAINTING

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to clean the fan filter of the Attitude and Heading Reference Computer (AHC).
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
34-21-03-100-801-A ♦	AHRS FAN FILTER - CLEANING	ALL



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TASK 34-21-03-100-801-A

EFFECTIVITY: ALL

2. AHRS FAN FILTER - CLEANING

A. General

- (1) The AHC filters are installed on the side of the AHC mounting tray, on the electronic compartment. To get access to the filters, it is necessary to open access panel 113CZ (AMM MPP 06-00-00/100).
- (2) To do the task, make sure that the ground safety pin is installed on the nose landing gear (AMM 32-00-01/1).

B. References

REFERENCE	DESIGNATION
AMM 32-00-01/1	-
AMM MPP 06-00-00/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Electronic Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
	Platform	To help the access to the fan filter	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C32 (if applicable)	Lockwire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Electronic Compartment



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I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the AHRS 1 and AHRS 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

**CAUTION:** MAKE SURE THAT THE GROUND SAFETY PIN IS INSTALLED ON THE NOSE LANDING GEAR (AMM 32-00-01/1).

- (2) Open access panel 113CZ to get access to the AHC.
- (3) Get access to the fan filter installed on the side of the AHC mounting tray.

J. Clean AHRS Fan Filter ([Figure 701](#))

SUBTASK 140-002-A

- (1) If applicable, loosen or cut the lockwire that lock the cover of the fan filter.
- (2) Hold and click out the cover of the fan filter to remove it from fan case.
- (3) Visually inspect the filter for signs of damage or deterioration. Replace filter if any damage or deterioration is found.
- (4) Clean the spongy filter with dry compressed air at a pressure not to exceed 30 psi.

**CAUTION:** • TEMPERATURE OF THE DETERGENT SOLUTION OR THE WATER MUST NOT EXCEED 60°C (140°F).  
• DO NOT USE CHLORINE SOLUTIONS.

- (5) Wash the filter in a mild detergent solution and rinse with water.
- (6) Let the filter air dry.
- (7) Position the cleaned filter in the fan case.
- (8) Push in the filter to install it in the fan case.
- (9) If applicable, install the lockwire on the fan filter case and twist it.

**NOTE:** Not all fan assemblies have the lockwire.

K. Follow-on

SUBTASK 842-002-A

- (1) Close access panel 113CZ.
- (2) On the circuit breaker panel, close the AHRS 1 and AHRS 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.

**EFFECTIVITY: ALL**  
AHRS Fan Filter Cleaning  
Figure 701

