



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

AHRS FAN - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the operational test of AHRS Fan 1 and/or AHRS Fan 2.
- B. The AHRS fans are installed on the related AHRS mounting racks.
- C. 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
34-21-03-700-801-A	AHRS FAN - OPERATIONAL TEST	ALL



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TASK 34-21-03-700-801-A

EFFECTIVITY: ALL

2. AHRS FAN - OPERATIONAL TEST

A. General

- (1) This task gives the procedures for the AHRS Fan Operational Test.
- (2) The AHRS fans are installed on the related AHRS mounting racks.
- (3) The AHRS 1 rack is installed on the left side of the electronic compartment.
- (4) The AHRS 2 rack is installed on the right side of the electronic compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 34-21-01-000-801-A/400	AHRS COMPUTER - REMOVAL
AMM TASK 34-21-01-400-801-A/400	AHRS COMPUTER - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward Electronic Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit/Electronic Compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the AHRS 1 and/or AHRS 2 circuit breaker(s).
- (2) On the backup relay box, open the AHRS 1 and/or AHRS 2 circuit breaker(s).



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- (3) Open access door 113CZ (AMM MPP 06-41-01/100).

CAUTION: BE CAREFUL WHEN YOU HANDLE THE AHRS.

- (4) Remove AHRS 1 and/or AHRS 2 from the trays ([AMM TASK 34-21-01-000-801-A/400](#)).
- (5) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

J. Test Procedure ([Figure 501](#))

SUBTASK 710-002-A

- (1) On the circuit breaker panel, close the AHRS 1 and/or AHRS 2 circuit breaker(s).
- (2) Make sure that the AHRS 1 Fan and/or the AHRS 2 Fan is operational and that the wind direction is from the fan to the computer.
- (3) On the circuit breaker panel, open the AHRS 1 and/or AHRS 2 circuit breaker(s).

K. Follow-on

SUBTASK 842-002-A

- (1) Install AHRS 1 and/or 2 to the trays again ([AMM TASK 34-21-01-400-801-A/400](#)).
- (2) On the backup relay box, close the AHRS 1 and/or AHRS 2 circuit breaker(s).
- (3) On the circuit breaker panel, close the AHRS 1 and/or AHRS 2 circuit breaker(s).
- (4) Close access panel 113CZ (AMM MPP 06-41-01/100).
- (5) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL
AHRS Fan - Operational Test
Figure 501

