



MEMORY MODULE - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH AHRS AH-800

1. General

- A. This section gives the procedure to remove/install the AHRS Memory Module.
- B. The AHRS1 Memory Module is installed on the left side of the electronic compartment behind the AHRS1 Tray.
- C. The AHRS2 Memory Module is installed on the right side of the electronic compartment behind the AHRS2 Tray.
- D. The access to the AHRS Memory Module is got through the 113CZ access panel in the electronic compartment.
- E. 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
34-21-04-000-801-A	AHRS MEMORY MODULE - REMOVAL	AIRCRAFT WITH AHRS AH-800
34-21-04-400-801-A	AHRS MEMORY MODULE - INSTALLATION	AIRCRAFT WITH AHRS AH-800



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MAINTENANCE MANUAL

TASK 34-21-04-000-801-A

EFFECTIVITY: AIRCRAFT WITH AHRS AH-800

2. AHRS MEMORY MODULE - REMOVAL

A. General

- (1) This task gives the procedure to remove the AHRS Memory Module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 34-21-01-000-801-A/400	AHRS COMPUTER - REMOVAL
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
213	113CZ	LH Electronic compartment
214	113CZ	RH 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	Electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) (Applicable to aircraft PRE-MOD SB145-32-0036) Make sure that the pressure in hydraulic system 1 is fully released (AMM TASK 29-10-00-860-802-A/200).
- (2) (Applicable to aircraft POST-MOD SB145-32-0036) Install the safety pin of the NLG-door solenoid valve (AMM TASK 32-00-02-910-801-A/200).



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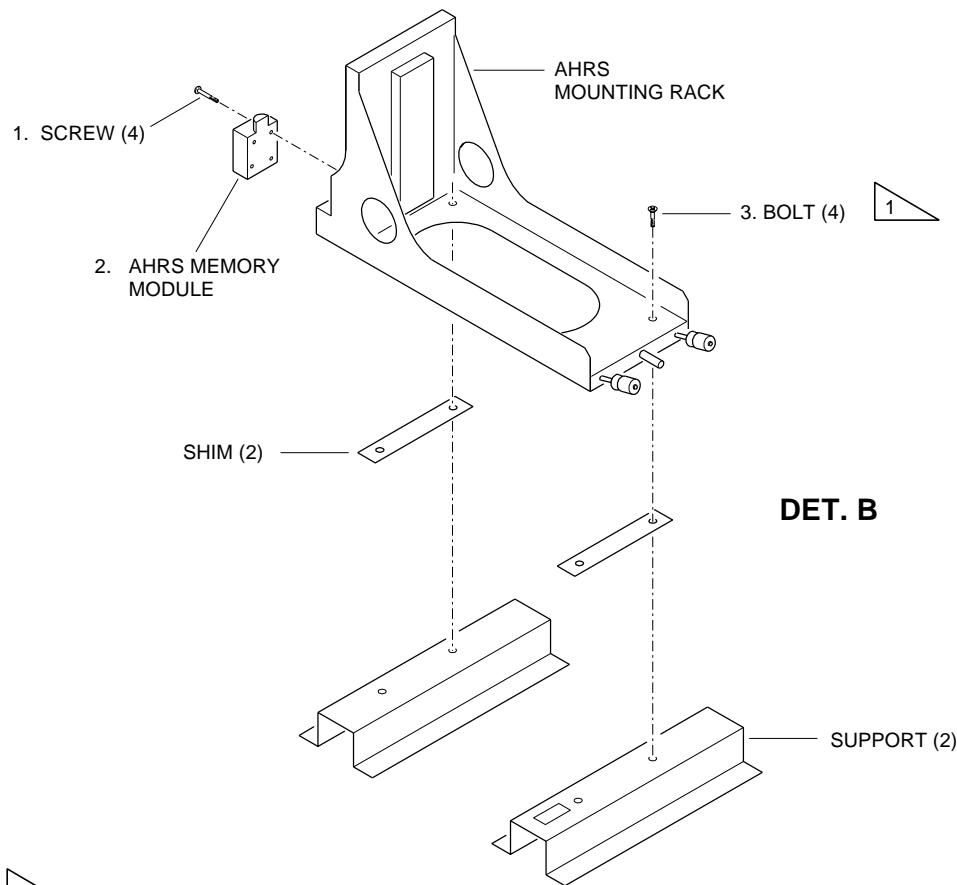
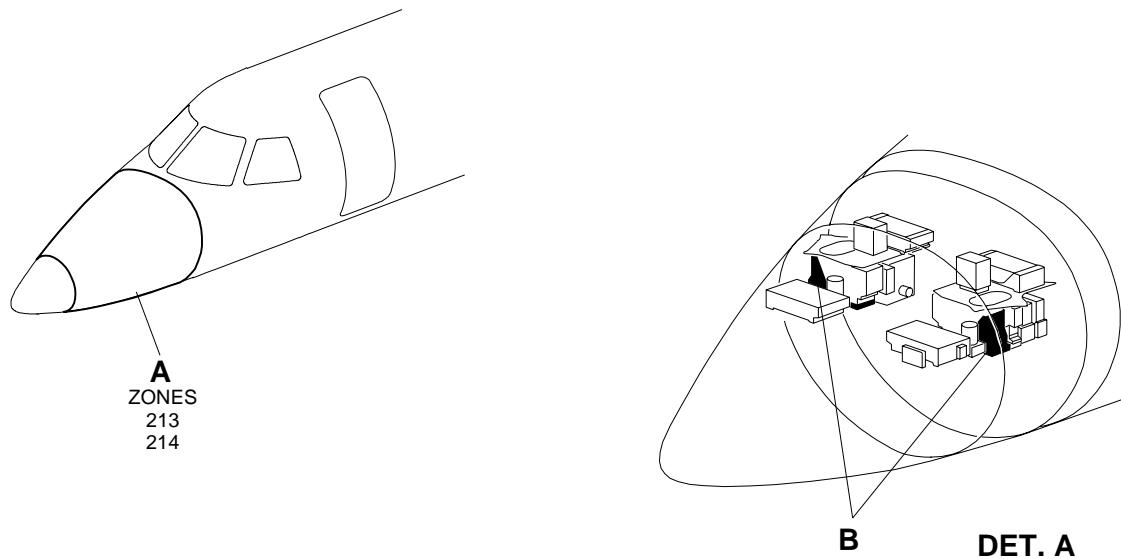
- (3) Open access panel 113CZ (AMM MPP 06-41-01/100).
- (4) On the Circuit Breaker Panel, open the AHRS 1 (Location tip: ESSENTIAL DC BUS 1/NAV/AHRS 1) or AHRS 2 (Location tip: DC BUS 2/NAV/AHRS 2) circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (5) Remove the AHRS Computer ([AMM TASK 34-21-01-000-801-A/400](#)).
- (6) Remove the four bolts (3) that attach the mounting rack, and remove the mounting rack.

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

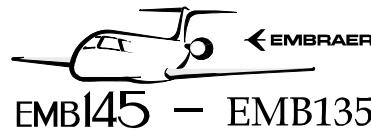
- (1) Loosen the four screws (1).
- (2) Remove the AHRS Memory Module (2).

EFFECTIVITY: AIRCRAFT WITH AHRS AH-800
AHRS Memory Module - Removal/Installation
Figure 401



 **TORQUE: 2.8 – N.m (25 – lb.in).**

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TASK 34-21-04-400-801-A

EFFECTIVITY: AIRCRAFT WITH AHRS AH-800

3. AHRS MEMORY MODULE - INSTALLATION

A. General

(1) This task gives the procedure to install the AHRS Memory Module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 34-21-00-700-803-A/500	AHRS - MOUNTING TRAY LEVELING/ALIGNMENT
AMM TASK 34-21-01-400-801-A/400	AHRS COMPUTER - INSTALLATION
AMM TASK 34-21-01-860-801-A/500	AHRS COMPUTER - CONFIGURATION
AMM TASK 34-21-02-820-801-A/500	FLUX DETECTOR UNIT - COMPENSATION
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
213	113CZ	LH Electronic compartment
214	113CZ	RH Electronic compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To torque fasteners	

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	Electronic compartment



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the AHRS Memory Module (2) in the aircraft.
- (2) Tighten the four screws (1).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the mounting rack and attach it with its four bolts (3).
- (2) Do the AHRS Tray alignment ([AMM TASK 34-21-00-700-803-A/500](#)).
- (3) Use the torque wrench to torque the four bolts (3) to 2.8 N.m (25 lb.in) in a crisscross pattern.
- (4) Install the AHRS Computer ([AMM TASK 34-21-01-400-801-A/400](#)).
- (5) Close access panel 113CZ (AMM MPP 06-41-01/100).
- (6) On the Circuit Breaker Panel, close the AHRS 1 (Location tip: ESSENTIAL DC BUS 1/NAV/AHRS 1) or AHRS 2 (Location tip: DC BUS 2/NAV/AHRS 2) circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (7) (Applicable to aircraft POST-MOD [SB145-32-0036](#)) Remove the safety pin of the NLG-door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (8) Do the AHRS Computer Configuration ([AMM TASK 34-21-01-860-801-A/500](#)).
- (9) Do the Flux Detector Unit - Compensation ([AMM TASK 34-21-02-820-801-A/500](#)).