

## 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

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	-
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 34-21-01-000-801-A/400</a>	AHRS COMPUTER - REMOVAL
<a href="#">SB145-32-0036</a>	-

### 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](#)).

- (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](#))

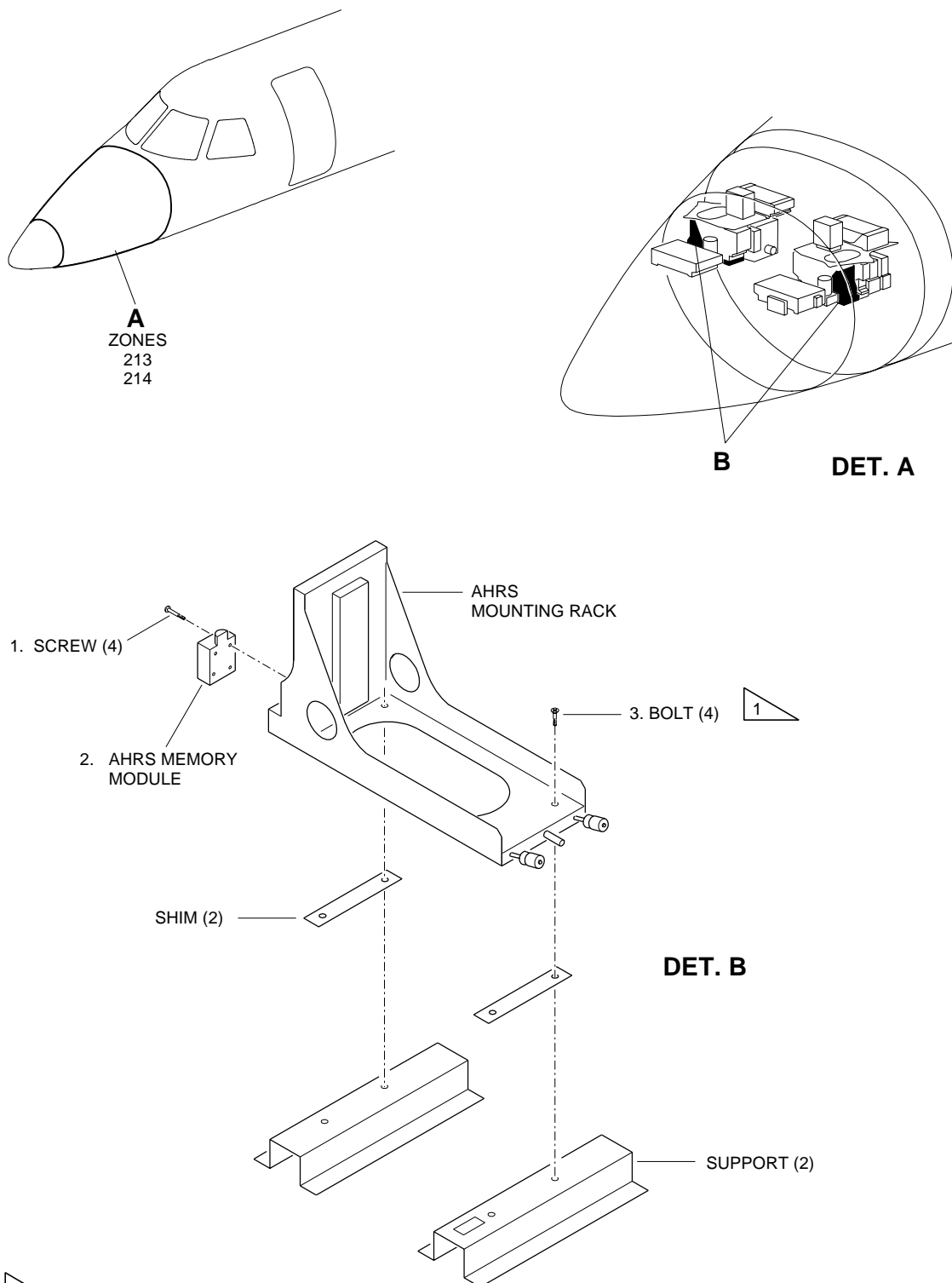
*SUBTASK 020-002-A*

- (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



EM145AMM340207B.DGN

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	-
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 34-21-00-700-803-A/500</a>	AHRS - MOUNTING TRAY LEVELING/ALIGNMENT
<a href="#">AMM TASK 34-21-01-400-801-A/400</a>	AHRS COMPUTER - INSTALLATION
<a href="#">AMM TASK 34-21-01-860-801-A/500</a>	AHRS COMPUTER - CONFIGURATION
<a href="#">AMM TASK 34-21-02-820-801-A/500</a>	FLUX DETECTOR UNIT - COMPENSATION
<a href="#">SB145-32-0036</a>	-

#### 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

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](#)).