AHRS COMPUTER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

    A. This section gives the procedure to remove/install the AHRS computer.

    B. The AHRS1 computer is located on the left side of the electronic compartment.

    C. The AHRS2 computer is located on the right side of the electronic compartment.

    D. The access to AHRS1 and AHRS2 are got through the access panel 113CZ in the forward 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
34-21-01-000-801-A	AHRS COMPUTER - REMOVAL	ALL
34-21-01-400-801-A	AHRS COMPUTER - INSTALLATION	ALL

TASK 34-21-01-000-801-A
EFFECTIVITY: ALL

2. AHRS COMPUTER - REMOVAL

   A. General

      (1) This task gives the procedure to remove the AHRS computer.

   B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

   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	Forward Electronic Compartment

   I. Preparation

      SUBTASK 841-002-A

      (1) Install landing gear safety pin (AMM TASK 32-00-01-910-801-A/200).

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

      (3) Open the AHRS1 and AHRS2 circuit breakers, on the circuit breaker panel.

      (4) Attach a DO-NOT-CLOSE tag to AHRS1 and AHRS2 circuit breakers.

      (5) On the ELECTRICAL panel, on the overhead panel, push the BACKUP pushbutton (stripped bar comes on).

J.   Removal (Figure 401)
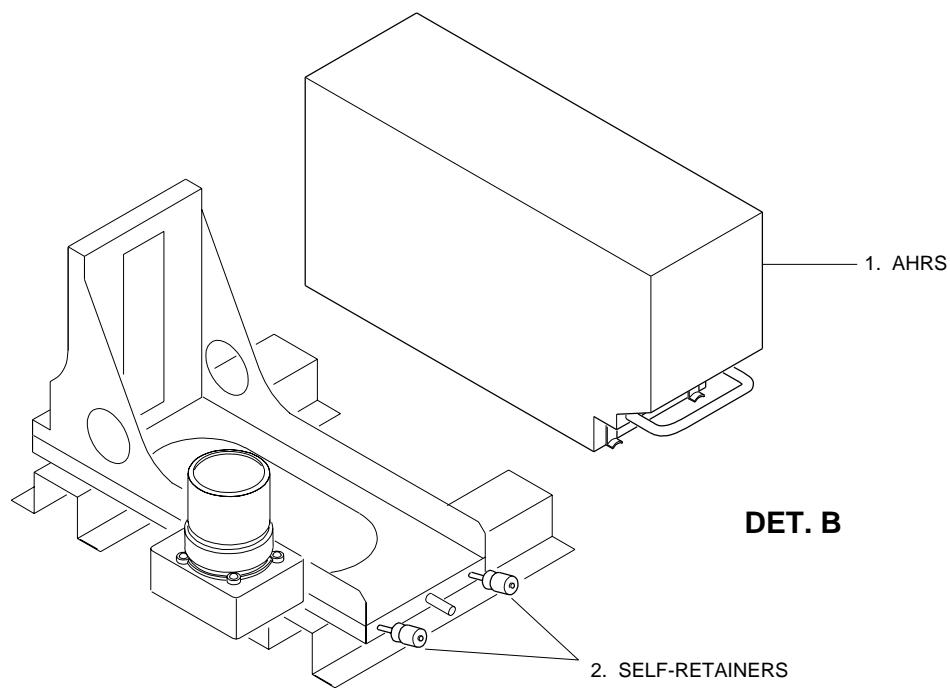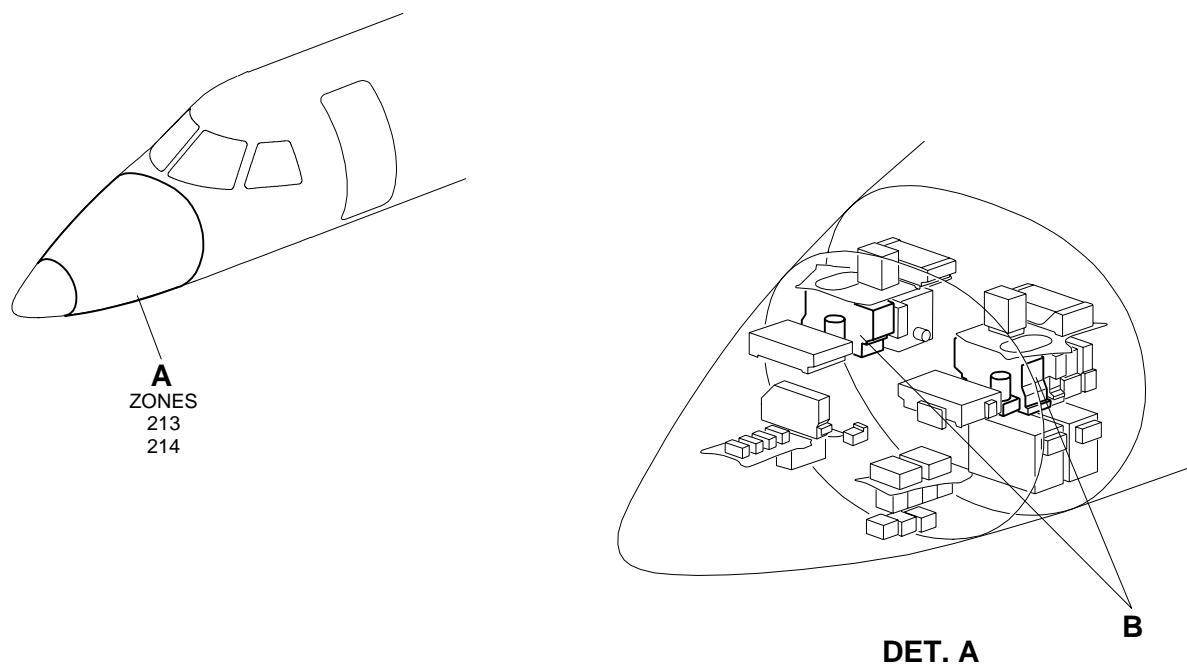
SUBTASK 020-002-A

   (1)   Loosen the two self-locking retainers (2) until they disconnect from the support hooks.

   (2)   Remove the AHRS computer (1).

EFFECTIVITY: ALL
AHRS Computer - Removal/Installation
Figure 401

A
ZONES
213
214

DET. A

B

1. AHRS

DET. B

2. SELF-RETAINERS

145AMM340024.MCE A

TASK 34-21-01-400-801-A
EFFECTIVITY: ALL

3.   <u>AHRS COMPUTER - INSTALLATION</u>

    A.   General

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

    B.   References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 34-21-00-700-802-A/500	-
AMM TASK 34-21-00-700-803-A/500	AHRS - MOUNTING TRAY LEVELING/ALIGNMENT
AMM TASK 34-21-00-700-804-A/500	AHRS - MOUNTING TRAY LEVELING/ALIGNMENT

    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
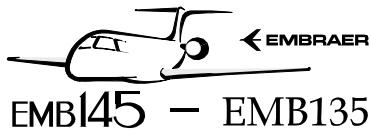
    H.   Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	

    I.   Installation (Figure 401)

        SUBTASK 420-002-A

        <u>CAUTION:</u> WHEN PLACING THE UNIT ON THE MOUNTING TRAY, DO NOT FORCE FIT. IF MATING IS DIFFICULT, REMOVE THE UNIT AND CHECK FOR CONNECTOR PINS THAT MAY BE BENT OR OUT OF ALIGNMENT. ALSO, VISUALLY CHECK THE ALIGNMENT OF THE RECEPTACLE ON THE MOUNTING TRAY.

(1) Put the AHRS (1) on the mounting tray. Slide it onto the three guide pins. Slide the unit backwards until its connectors are fully engaged with the mating connectors of the mounting tray.

(2) Tighten the self-retainers (2) over the support hooks to secure the unit in place.

> NOTE: • For aircraft with AHRS AH-800, if the mounting tray is moved in any direction, a complete tray alignment must be done (AMM TASK 34-21-00-700-803-A/500).
>
> • For aircraft with AHRS AH-900, if the mounting tray is moved in any direction, a complete tray alignment must be done (AMM TASK 34-21-00-700-804-A/500).

J. Follow-on

SUBTASK 842-002-A

(1) Remove the DO-NOT-CLOSE tag from the AHRS1 and AHRS2 circuit breakers.

(2) Close AHRS1 and AHRS2 circuit breakers.

(3) On the ELECTRICAL panel, on the overhead panel, push the BACKUP pushbutton (stripped bar comes off).

(4) Do the AHRS Operational Check (AMM TASK 34-21-00-700-802-A/500).

(5) Close the access door 113CZ (AMM MPP 06-41-01/100).

(6) Remove the landing gear safety pin (AMM TASK 32-00-01-910-801-A/200).