



AIRCRAFT
MAINTENANCE MANUAL

NAV UNIT STRAP BOARD ASSEMBLY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the NAV Unit Strap Board Assembly.
- B. The NAV Unit Strap Board Assembly is installed on the back side of the Integrated Navigation Unit mounting tray.
- 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
34-32-11-000-801-A	NAV UNIT STRAP BOARD ASSEMBLY - REMOVAL	ALL
34-32-11-400-801-A	NAV UNIT STRAP BOARD ASSEMBLY - INSTALLATION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-32-11-000-801-A

EFFECTIVITY: ALL

2. NAV UNIT STRAP BOARD ASSEMBLY - REMOVAL

A. General

- (1) This task gives the procedures to remove the NAV Unit Strap Board Assembly.

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 34-32-01-000-801-A/400	INTEGRATED NAVIGATION UNIT - REMOVAL

C. Zones and Accesses

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

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) On the circuit breaker panel, open the VOR/ILS 1, VOR/ILS 2, ADF 1, ADF 2, DME 1 and DME 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (2) Make sure that the landing gear safety pin is installed to the NLG ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) Open access door 113CZ (AMM MPP 06-41-01/100).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

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

SUBTASK 020-002-A

- (1) Remove the Integrated Navigation Unit from its mounting tray ([AMM TASK 34-32-01-000-801-A/400](#)).
- (2) Release the four screws which attach the mounting tray to make easier the access to the NAV Unit Strap Board Assembly (2).

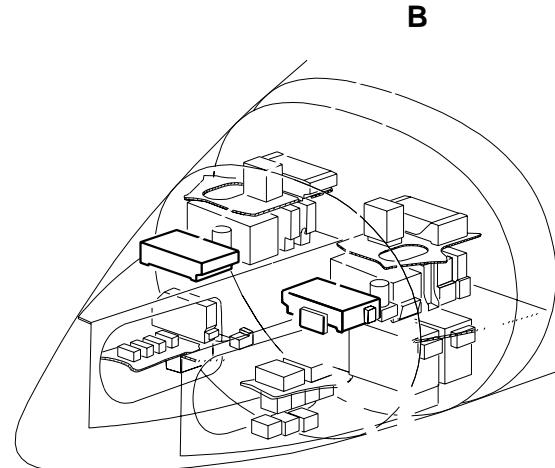
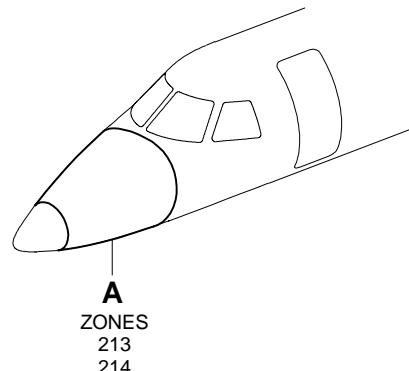
CAUTION: THE NAV UNIT STRAP BOARD ASSEMBLY CAN BE DAMAGED BY ELECTROSTATIC DISCHARGE. GROUND YOURSELF BEFORE YOU TOUCH THE NAV UNIT STRAP BOARD ASSEMBLY. ALWAYS TOUCH IT BY THE EDGES.

- (3) Release the screws (4), the lock washers (5) and the washers (6) which attach the NAV Unit Strap Board Assembly (2) to the mounting tray.
- (4) Remove the acrylic cover (3).
- (5) Carefully pull out on the NAV Unit Strap Board Assembly (2) and disconnect the flat connector (1) from it.
- (6) Remove the NAV Unit Strap Board Assembly (2).

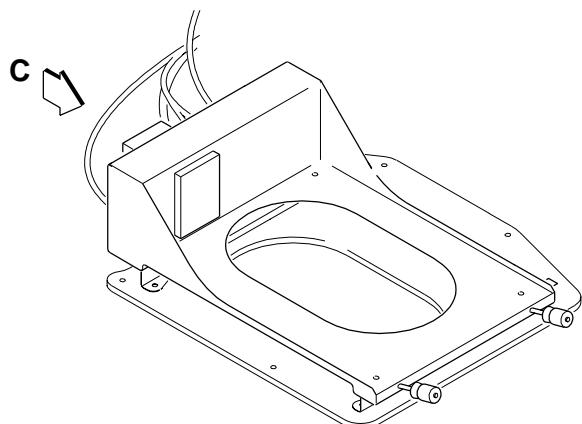
EFFECTIVITY: ALL

NAV Unit Strap Board Assembly - Removal/Installation

Figure 401



DET. A



DET. B

1. FLAT CONNECTOR

2. NAV UNIT
STRAP BOARD ASSEMBLY

3. ACRYLIC
COVER

6. WASHER (3)

5. LOCK WASHER (3)

4. SCREW (3)

145AMM340544.MCE

DET. C



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 34-32-11-400-801-A

EFFECTIVITY: ALL

3. NAV UNIT STRAP BOARD ASSEMBLY - INSTALLATION

A. General

- (1) This task gives the procedures to install the NAV Unit Strap Board Assembly.

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 34-32-01-400-801-A/400	INTEGRATED NAVIGATION UNIT - INSTALLATION
WM 34-90-00	-

C. Zones and Accesses

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

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. Installation (Figure 401)

SUBTASK 420-002-A

- CAUTION: • THE NAV UNIT STRAP BOARD ASSEMBLY CAN BE DAMAGED BY ELECTROSTATIC DISCHARGE. GROUND YOURSELF BEFORE TOUCH THE NAV UNIT STRAP BOARD ASSEMBLY. ALWAYS TOUCH IT BY THE EDGES.
- BE VERY CAREFUL WHEN YOU CUT CONFIGURATION STRAPS SO AS NOT TO DAMAGE THE NAV UNIT STRAP BOARD ASSEMBLY.

- (1) Configure the NAV Unit Strap Board Assembly (2). Refer to the Wiring Manual (WM 34-90-00).
- (2) Carefully connect the flat connector (1) to the NAV Unit Strap Board Assembly (2).
- (3) Put the NAV Unit Strap Board Assembly (2) in the installation position.
- (4) Put the acrylic cover (3) in its position.
- (5) Install the screws (4), the lock washers (5) and the washers (6) which attach the NAV Unit Strap Board Assembly (2) to the mounting tray.
- (6) Install the four screws which attach the mounting tray.
- (7) Install the Integrated Navigation Unit in the mounting tray ([AMM TASK 34-32-01-400-801-A/400](#)).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the VOR/ILS 1, VOR/ILS 2, ADF 1, ADF 2, DME 1 and DME 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) On the RMU 1, push the "PGE" key to get access to the "System 1 Page Menu".
- (3) Push the "Maintenance" key to get access to the "Maintenance Data System 1" page.
- (4) On the "Maintenance Data System 1" page, push the "Strap" key to get access to the "System 1 Strap" page.
- (5) Push the "NAV Unit" key to get access to the "NAV Unit 1 System" page.
- (6) Make sure that the straps are correctly cut.
- (7) On the "NAV Unit 1 System" page, push the "Return to Radios" key to return to the normal operation.
- (8) Repeat the steps 2 thru 7 for system 2, using the RMU 2.
- (9) Close access door 113CZ (AMM MPP 06-41-01/100).
- (10) Remove the landing gear safety pin from the NLG ([AMM TASK 32-00-02-910-801-A/200](#)).