



AIRCRAFT MAINTENANCE MANUAL

HOT JUG INVERTERS - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH HOT JUGS INVERTERS

1. General

- A. This section gives the procedures to remove/install the hot jug inverters.
- B. The hot jug inverters are installed in the structure, at zone 232 and they are covered by aft galley.
- 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
25-31-06-000-801-A	HOT JUG INVERTERS - REMOVAL	AIRCRAFT WITH HOT JUGS INVERTERS
25-31-06-400-801-A	HOT JUG INVERTERS - INSTALLATION	AIRCRAFT WITH HOT JUGS INVERTERS



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 25-31-06-000-801-A

EFFECTIVITY: AIRCRAFT WITH HOT JUGS INVERTERS

2. HOT JUG INVERTERS - REMOVAL

A. General

- (1) This task gives the procedures to remove the hot jug inverters.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Preparation

SUBTASK 841-003-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the right power control and distribution box, open the INV 1 and INV 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (3) Make sure that the miscellaneous compartment at the aft galley is empty and the other doors are locked.

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

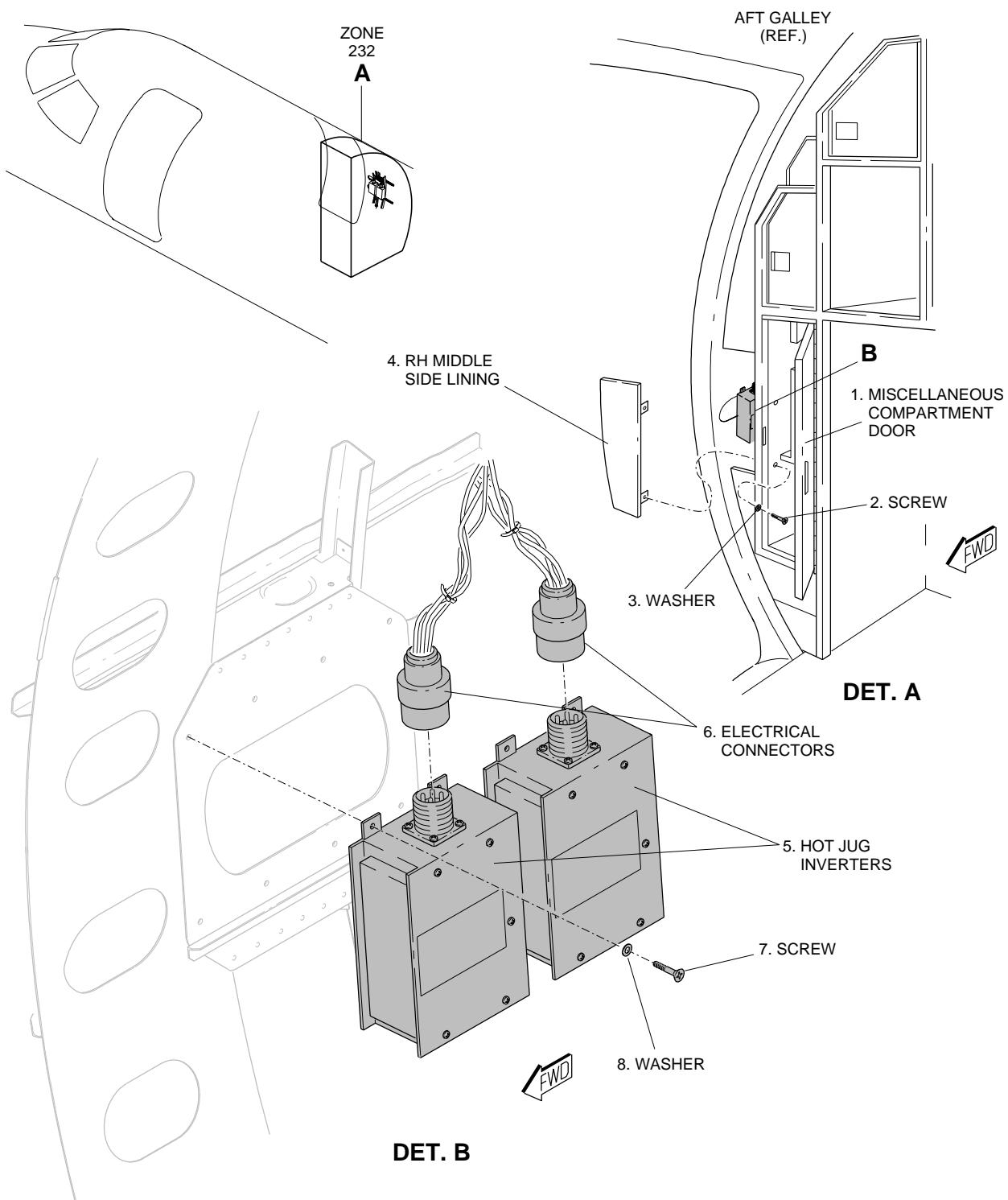
SUBTASK 020-003-A

- (1) Open the miscellaneous compartment door (1) at the aft galley and remove the screws (2) and washers (3). Refer to DET. A, Figure 401.
- (2) Pull the RH middle side lining (4) to get access to the hot jug inverters (5). Refer to DET. A, Figure 401.
- (3) Disconnect the electrical connectors (6) . Refer to DET. B, Figure 401.
- (4) Remove the screws (7) and washers (8) that attach the hot jug inverters (5). Refer to DET. B, Figure 401.

EFFECTIVITY: AIRCRAFT WITH HOT JUGS INVERTERS

Hot Jug Inverters - Removal/Installation

Figure 401



145AMM250506.MCE A

TASK 25-31-06-400-801-A

EFFECTIVITY: AIRCRAFT WITH HOT JUGS INVERTERS

3. HOT JUG INVERTERS - INSTALLATION

A. General

- (1) This task gives the procedures to install the hot jug inverters.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
WM 25-31-50	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Passenger cabin

I. Installation (Figure 401)

SUBTASK 420-003-A

- (1) Install the screws (7) and washers (8) that attach the hot jug inverters (5). Refer to DET. B, Figure 401.
- (2) Connect the electrical connectors (6). Refer to DET. B, Figure 401.
- (3) Install the RH middle side lining (4) as follows:
 - (a) Put the RH middle side lining (4) with the holes of the screws (2) aligned.
 - (b) Correctly install the screws (2) and washers (3) from the miscellaneous compartment (1). Refer to DET. A, Figure 401.
- (4) Check if there is 115 V AC between pins 1 and 2 of electrical connector P8926 (WM 25-31-50).
- (5) Check if there is 115 V AC between pins 1 and 2 of electrical connector P8927 (WM 25-31-50).



AIRCRAFT
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-003-A

- (1) On the right power control and distribution box, close the INV 1 and INV 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.

