



AIRCRAFT
MAINTENANCE MANUAL

**REAR ELECTRONIC-COMPARTMENT ACCESS-HATCH WARNING MICROSWITCH - ADJUSTMENT/
TEST**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a test of the rear electronic-compartment access-hatch caution microswitch.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

| <i>TASK NUMBER</i> | <i>DESCRIPTION</i> | <i>EFFECTIVITY</i> |
|--------------------|--|--------------------|
| 52-77-01-700-801-A | REAR - ELECTRONIC - COMPARTMENT ACCESS HATCH CAUTION MICRO- SWITCH -OPERATIONAL TEST | ALL |



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 52-77-01-700-801-A

EFFECTIVITY: ALL

2. REAR - ELECTRONIC - COMPARTMENT ACCESS HATCH CAUTION MICROSWITCH -
OPERATIONAL TEST

A. General

- (1) The function of this check is to make sure that the rear electronic-compartment access-hatch caution microswitch is serviceable.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--|
| AMM SDS 23-41-00/1 | |
| AMM TASK 20-40-01-860-801-A/200 | ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|--|
| 272 | | Rear - electronic - compartment access hatch |

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 - Near the aircraft, at the Rear Fuselage | |
| 1 | Helps the other technician - Monitors the EICAS display in the cockpit | |

I. Preparation

SUBTASK 841-002-A

- (1) Connect the ramp interphone to permit communication between the mechanics ([AMM SDS 23-41-00/1](#)).
- (2) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (3) Make sure that these doors are closed and locked:

- Forward Electronic-Compartment Access Hatch
- Cockpit Underfloor Access Hatch
- Service Door
- Main Door
- Fueling Panel Door
- Passenger-Cabin Escape Hatches
- Baggage Door

J. Procedure Test - Caution Microswitch ([Figure 501](#))

SUBTASK 710-002-A

- (1) Do the operational test as follows:

NOTE: There is a delay of 4 to 5 seconds between the locking of the door and the indications shown on the EICAS display.

- (a) Open the rear electronic-compartment access hatch and monitor the indication on the EICAS display.

Result:

- 1 The EICAS display shows this caution message:

- ACCESS DOORS OPN.

The MFD shows these indications:

- DOOR OPEN (in red).

- A red square that shows the rear electronic-compartment access hatch.

- (b) Push the caution microswitch S7243, installed at the rear fuselage, and monitor the EICAS display.

Result:

- 1 On the EICAS display, the message below goes out of view:

- ACCESS DOORS OPN.

On the MFD, the indications below go out of view:

- DOOR OPEN.

- The red square that shows the rear electronic-compartment access hatch becomes green.

- (c) Release the caution microswitch S7243, and monitor the EICAS display.

Result:

- 1 The EICAS display shows this caution message:

- ACCESS DOORS OPN.

The MFD shows these indications:

- DOOR OPEN (in red.).

- A red square that shows the rear electronic-compartment access hatch.



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K. Follow-on

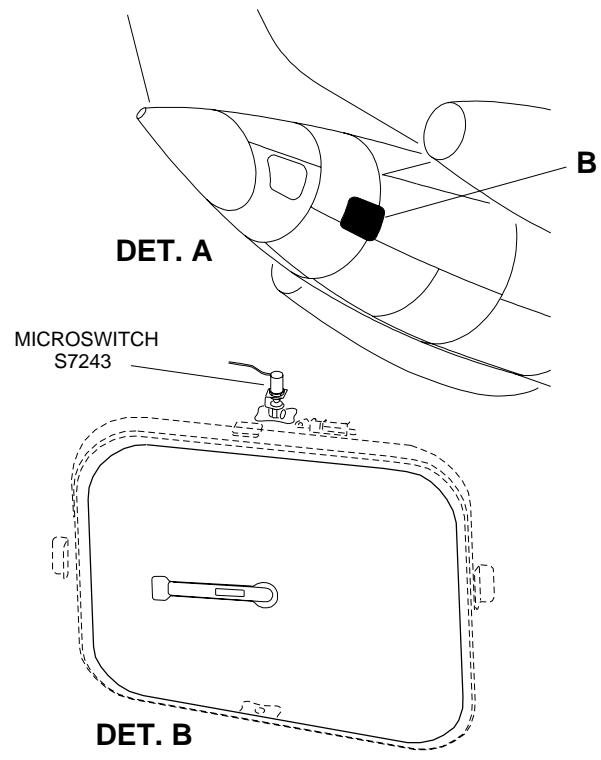
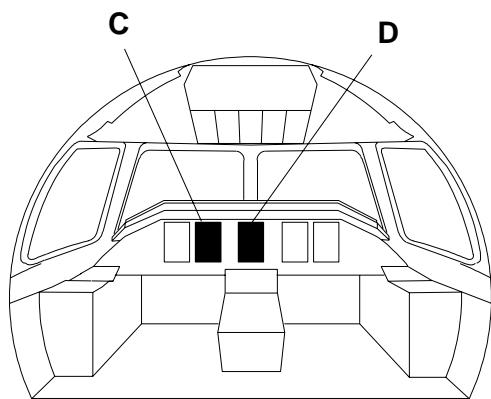
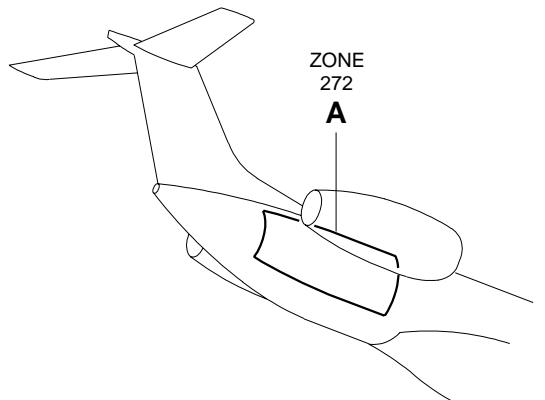
SUBTASK 842-002-A

- (1) Disconnect the ramp interphone ([AMM SDS 23-41-00/1](#)).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

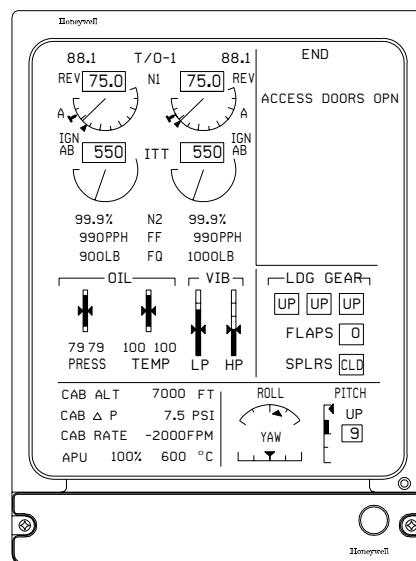
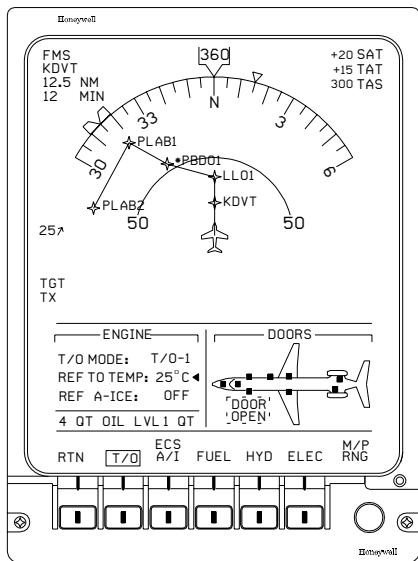
EFFECTIVITY: ALL

Rear Electronic-Compartment Access-Hatch Caution Microswitch

Figure 501



REAR ELECTRONIC
COMPARTMENT
ACCESS HATCH



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