



AIRCRAFT MAINTENANCE MANUAL

PASSENGER-CABIN ESCAPE-HATCH WARNING MICROSWITCHES - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a test of the Passenger - Cabin Escape - Hatch Caution Microswitches.
- 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
52-75-01-700-801-A	PASSENGER - CABIN ESCAPE - HATCH CAUTION MICROSWITCHES - OPERATIONAL TEST	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 52-75-01-700-801-A

EFFECTIVITY: ALL

2. PASSENGER - CABIN ESCAPE - HATCH CAUTION MICROSWITCHES - OPERATIONAL TEST

A. General

- (1) The function of this check is to make sure that the Passenger - Cabin Escape - Hatch Caution Microswitches are 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
812/822		Passenger - cabin escape - hatches
251/252		Center fuselage III

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	In the passenger cabin
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.
- Baggage Door.
- Rear - Electronic - Compartment Access Hatch.

J. Passenger - Cabin Escape - Hatch Caution Microswitches - Operational Test ([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 left and right Passenger - Cabin Escape Hatches.

Result:

- 1 The EICAS display shows this caution message:

- EMERG EXIT OPN.

The MFD shows these indications:

- DOOR OPEN (in red).

- Red squares that show the left and right Passenger - Cabin Escape Hatches.

- (b) Push the left and right caution microswitches S7269 and S7270, installed at the Center Fuselage III, and monitor the EICAS display.

Result:

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

- EMERG EXIT OPN.

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

- DOOR OPEN.

- The red squares that show the Passenger - Cabin Escape Hatches become green.

- (c) Release the left caution microswitch S7269, and monitor the EICAS display.

Result:

- 1 The EICAS display shows this caution message:

- EMERG EXIT OPN.

The MFD shows these indications:

- DOOR OPEN (in red).

- A red square that shows the left Passenger - Cabin Escape Hatch.

- (d) Push the left microswitch S7269, release the right microswitch S7270, and monitor the EICAS display.

Result:

- 1 The EICAS display shows this caution message:
- EMERG EXIT OPN.

The MFD shows these indications:

- DOOR OPEN (in red).
- A red square that shows the right Passenger - Cabin Escape Hatch.

- (e) Release the left microswitch S7269, and monitor the EICAS display.

Result:

- 1 The EICAS display shows this caution message:
- EMERG EXIT OPN.

The MFD shows these indications:

- DOOR OPEN (in red).
- Red squares that show the left and right Passenger - Cabin Escape Hatches.

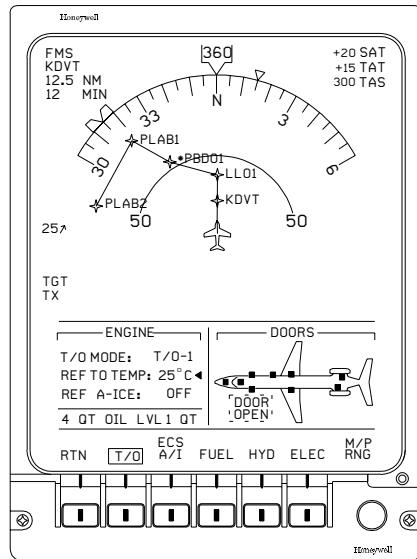
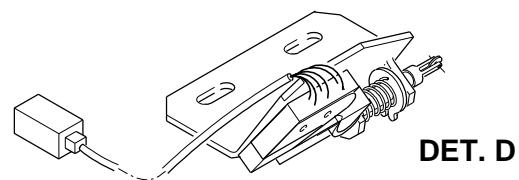
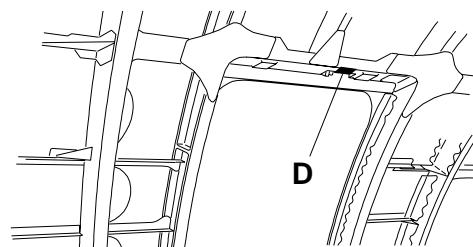
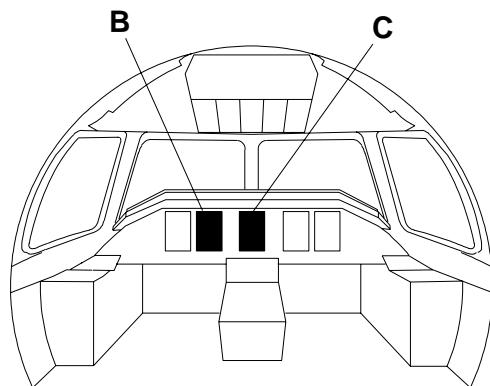
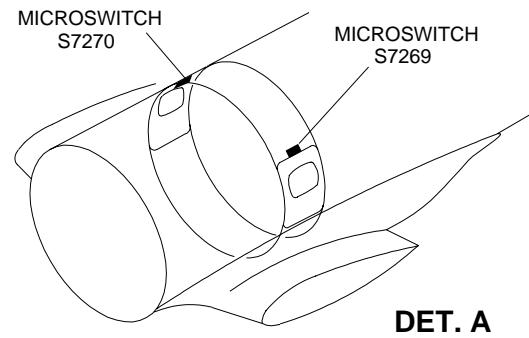
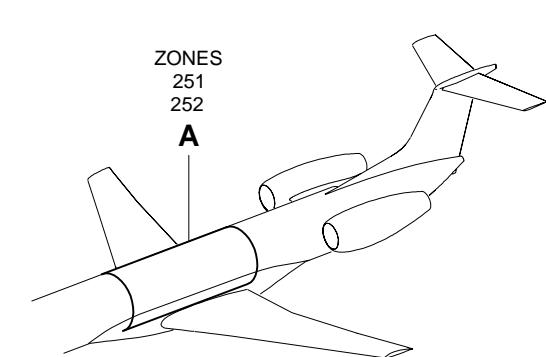
K. Follow-on

SUBTASK 842-002-A

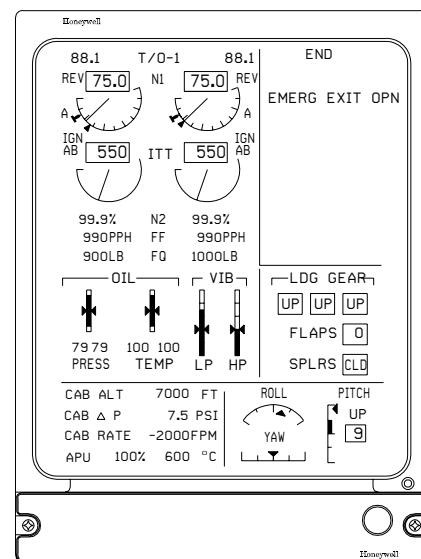
- (1) Disconnect the ramp interphone ([AMM SDS 23-41-00/1](#)).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL

Passenger - Cabin Escape - Hatch Caution Microswitches
Figure 501



DET. B



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