



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**BAGGAGE-DOOR WARNING MICROSWITCHES - ADJUSTMENT/TEST**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a check and to adjust the baggage door warning 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
52-76-01-700-801-A	BAGGAGE DOOR WARNING MICRO-SWITCHES - OPERATIONAL TEST	ALL
52-76-01-820-801-A	BAGGAGE DOOR WARNING MICRO-SWITCHES - ADJUSTMENT	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 52-76-01-700-801-A

EFFECTIVITY: ALL

2. BAGGAGE DOOR WARNING MICROSWITCHES - OPERATIONAL TEST

A. General

- (1) The function of this check is to make sure that the baggage door warning 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
813		Baggage door

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 baggage compartment (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.
  - Rear Electronic Access Hatch.

- Cockpit Underfloor Access Hatch.
- Fueling Panel Door.
- Passenger-Cabin Escape-Hatches.
- Service Door.
- Main Door.

J. Baggage Door Warning Microswitches - Operational Test ([Figure 501](#))

SUBTASK 710-002-A

- (1) Do the operational test as follows:

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

- (a) Open the baggage door and monitor the indication on the EICAS display.

Result:

1

The EICAS display shows this caution message:

- BAGGAGE DOOR OPN.

The MFD shows these indications:

- DOOR OPEN (in red).
- A red square that shows the Baggage Door.

- (b) Push the warning microswitches S7283 and S7285, at the rear fuselage, and monitor the EICAS display.

Result:

1

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

- BAGGAGE DOOR OPN.

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

- DOOR OPEN.
- The red square that shows the baggage door becomes green.

- (c) Release the microswitch S7283 and monitor on the EICAS display.

Result:

1

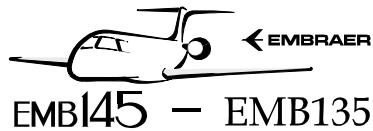
The EICAS display shows the caution message:

- BAGGAGE DOOR OPN.

The MFD shows these indications:

- DOOR OPEN (in red).
- A red square that shows the Baggage Door.

- (d) Push the microswitch S7283 and release the microswitch S7285, and monitor the EICAS display.



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

Result:

1

The EICAS display shows the caution message:

- BAGGAGE DOOR OPN.

The MFD shows these indications:

- DOOR OPEN (in red).
- A red square that shows the Baggage Door.

- (e) Push the microswitch S7285 and monitor the EICAS display.

Result:

1

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

- BAGGAGE DOOR OPN.

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

- DOOR OPEN.
- The red square that shows the baggage door becomes green.

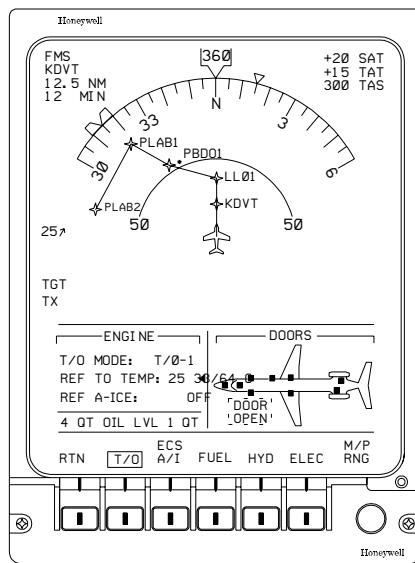
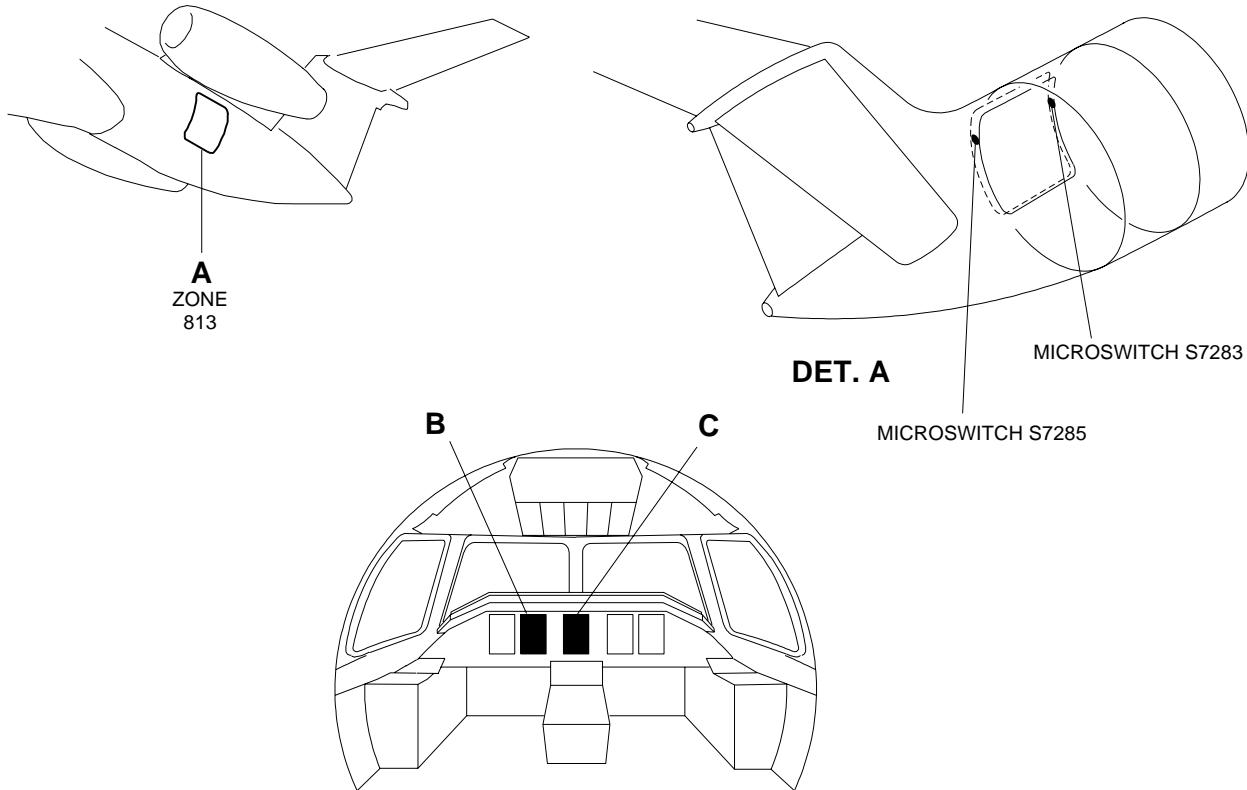
K. Follow-on

SUBTASK 842-002-A

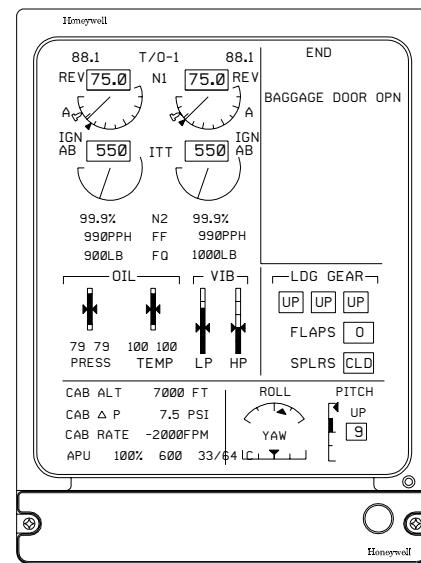
- (1) Disconnect the ramp interphone ([AMM SDS 23-41-00/1](#)).
- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

**EFFECTIVITY: ALL**

Baggage Door - Warning Microswitches  
Figure 501



**DET. B**



**DET. C**

EM145AMM520799A.DGN

**TASK 52-76-01-820-801-A**
**EFFECTIVITY: ALL**
**3. BAGGAGE DOOR WARNING MICROSWITCHES - ADJUSTMENT**
**A. General**

- (1) The function of this adjustment is to make sure of the correct position of the warning microswitches of the baggage door.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM TASK 52-76-01-000-801-A/400	BAGGAGE DOOR WARNING MICROSWITCHES - REMOVAL
AMM TASK 52-76-01-400-801-A/400	BAGGAGE DOOR WARNING MICROSWITCHES - INSTALLATION
AMM TASK 52-76-01-700-801-A/500	BAGGAGE DOOR WARNING MICROSWITCHES - OPERATIONAL TEST
S.B.145-52-0019	-

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
813		Baggage door

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Flashlight	For the lighting of the microswitch to be adjusted	1

**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	In the baggage compartment

**I. Preparation**
**SUBTASK 841-003-A**

- (1) Remove the lateral fairings of the baggage door frame to get access to microswitches S7283 and S7285.

J. Baggage Door Warning Microswitches - Adjustment ([Figure 502](#))

**SUBTASK 820-002-A**

**NOTE:** Make sure that the actuating pin touches the two rollers at the same time.

- (1) For aircraft PRE-MOD. [S.B.145-52-0019](#) ([Figure 502](#)), adjust microswitches S7283 and/or S7285 as follows:

- (a) Close and lock the baggage door, and examine the position of the red mark on the microswitch actuation pin.

Result:

- 1 The red mark on the microswitch actuation pin must be between 0 mm and 2 mm away from the microswitch support.

- (b) If the red mark is hidden (less than 0 mm), open the baggage door, release the microswitch support with the screws, adjust the position of the red mark, with the movement of the microswitch support to the up position, and tighten the screws.

- (c) If the red mark is more than 2 mm away from the microswitch support, release the microswitch support with the screws, adjust the position of the red mark, with the movement of the microswitch support to the down position, and tighten the screws.

- (d) Close and lock the baggage door, and make sure of the position of the red mark on the microswitch actuation pin.

- (2) For aircraft POST-MOD. [S.B.145-52-0019](#) ([Figure 503](#)), adjust microswitches S7283 and/or S7285 as follows:

- (a) Close and lock the baggage door, and examine the position of the red mark on the microswitch actuation pin.

Result:

- 1 In the microswitch assembly, the mark must be inside the hole of the support when the door is closed. The red mark must be aligned with the microswitch support (0 mm).

- (b) If the red mark is not aligned with the microswitch support, open the baggage door and release the screws of the microswitch support.

- (c) Adjust the position of the red mark, with the movement of the microswitch support to the up or down position, and tighten the screws.

- (d) Close and lock the baggage door, and make sure of the position of the red mark on the microswitch actuation pin (aligned with the microswitch support).

- (e) For rear microswitch assembly, adjust the screw in the oblong hole to let the microswitch stay as near the actuation pin as possible. This is to make sure that the microswitch will be "on" when the red mark is at 0 mm and "off" when the actuation pin is in the open-door position.

K. Follow-on

**SUBTASK 842-003-A**

- (1) Install the lateral fairings of the baggage compartment.



EMB145 - EMB135

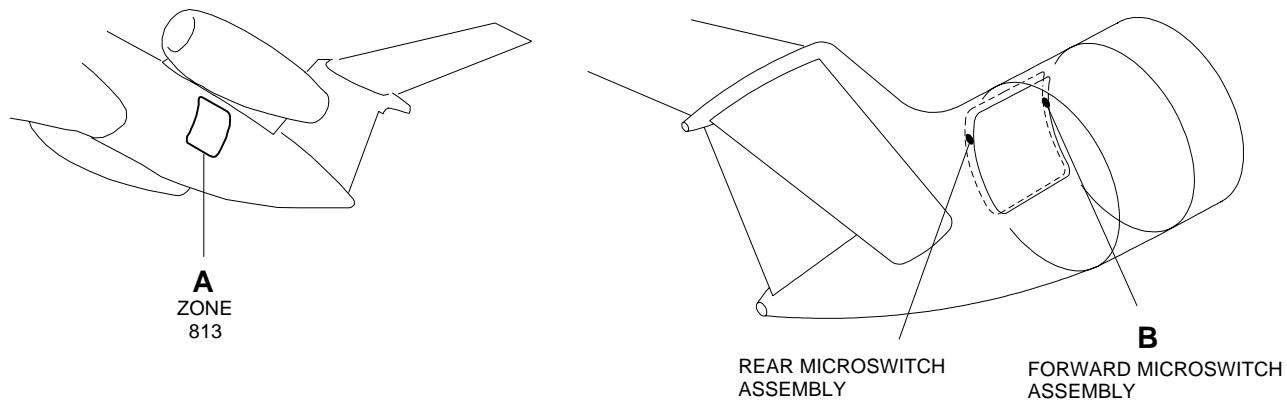
AIRCRAFT  
MAINTENANCE MANUAL

- (2) Do the operational test of the microswitches ( [AMM TASK 52-76-01-700-801-A/500](#)) and, if necessary, replace the related microswitch ([AMM TASK 52-76-01-000-801-A/400](#)) and ([AMM TASK 52-76-01-400-801-A/400](#)).

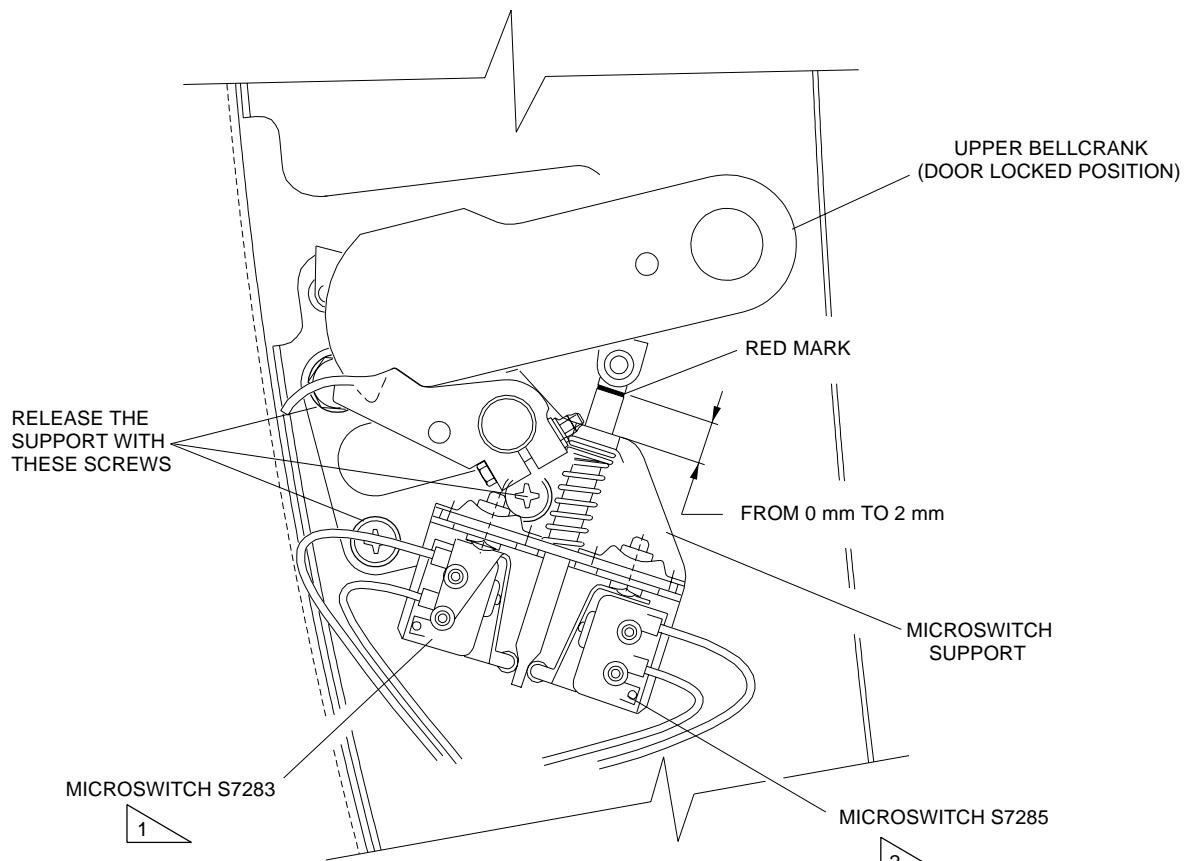
**EFFECTIVITY: ALL**

Baggage Door Warning Microswitches - Adjustment

Figure 502



**DET. A**



**DET. B**

 1 ONLY FOR FORWARD MICROSCHWITCH ASSEMBLY

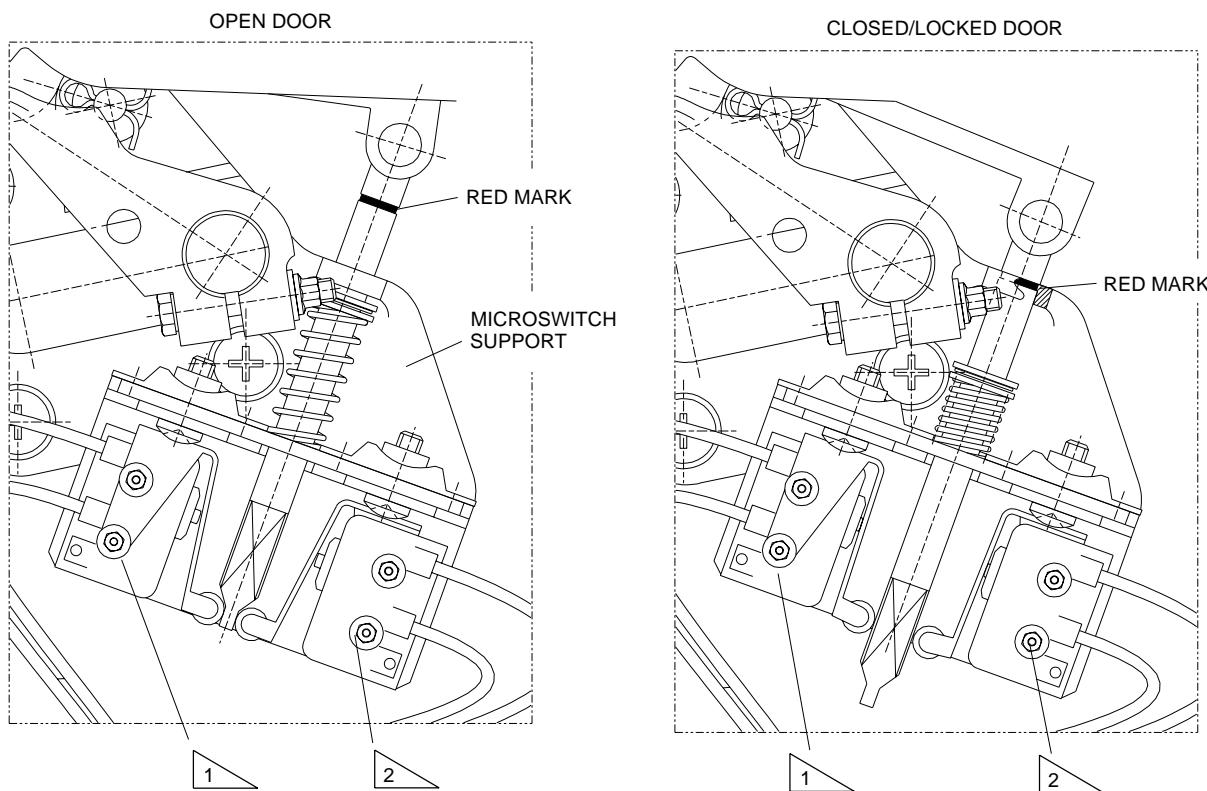
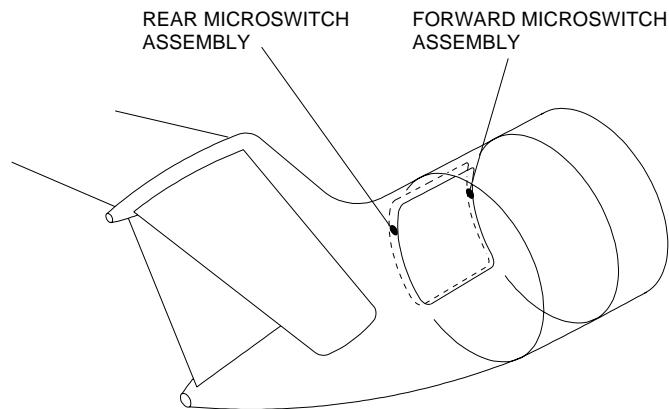
 2 FOR REAR MICROSCHWITCH ASSEMBLY, ADJUST THE SCREW IN THE OBLONG HOLE  
TO LET THE MICROSWITCH STAY THE ACTUATION PIN AS POSSIBLE

145AMM520135.MCE B

**EFFECTIVITY: POST-MOD SB 145-52-0019**

Baggage Door Microswitches - Adjustment

Figure 503



 1 ONLY FOR FORWARD MICROSWITCH ASSEMBLY

 2 FOR REAR MICROSWITCH ASSEMBLY, ADJUST THE SCREW IN THE OBLONG HOLE  
TO LET THE MICROSWITCH STAY THE ACTUATION PIN AS POSSIBLE

145AMM520337.MCE A