



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

MAIN-DOOR ACTUATION-SYSTEM PRESSURE SWITCH - ADJUSTMENT/TEST

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

1. General

- A. The pressure switch sends a signal to the light of the main-door internal control panel, when the pressure in the actuator hydraulic lines is more than 2150 psi.
- 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
52-12-03-700-801-A	MAIN-DOOR ACTUATION-SYSTEM PRESSURE SWITCH - OPERATIONAL TEST	AIRCRAFT WITH AIR-STAIRS DOOR



AIRCRAFT MAINTENANCE MANUAL

TASK 52-12-03-700-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR ACTUATION-SYSTEM PRESSURE SWITCH - OPERATIONAL TEST

A. General

- (1) This task gives the procedure to make sure that the pressure switch sends a signal to the light of the main-door internal control panel.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
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
231	231CF	Cockpit floor

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	Main-door internal control panel

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is deenergized ([AMM TASK 20-40-01-860-801-A/200](#)).

J. Test of the Pressure Switch ([Figure 501](#))

SUBTASK 710-002-A

- (1) Open the main door.
- (2) Remove floor panel 231CF (AMM MPP 06-41-02/100).
- (3) Disconnect connector 1J7205 and put a jumper between pins A and C.

- (4) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (5) On the HYD panel, set the SYS 1 ELECT PUMP switch to the ON position.
- (6) On the hydraulic compartment, make sure that the SYS 1 hydraulic accumulator is charged.
- (7) On the HYD panel, set the SYS 1 ELECT PUMP switch to the OFF position.
- (8) Push the CLOSE button of the internal control panel to close the main door.
 - (a) Make sure that the BLOCKED light of the main-door internal control panel comes on.

NOTE: • That means that the set point of the solenoid valve pressure switch is more than 2150 psi.

• It is possible that, during the door closure operation, the BLOCKED lights comes on 2 seconds, approximately. This is a normal condition.

- (9) Open the door.
- (10) Remove the jumper from connector 1J7205 and install the connector.
- (11) Close floor panel 231CF.

K. Follow-on

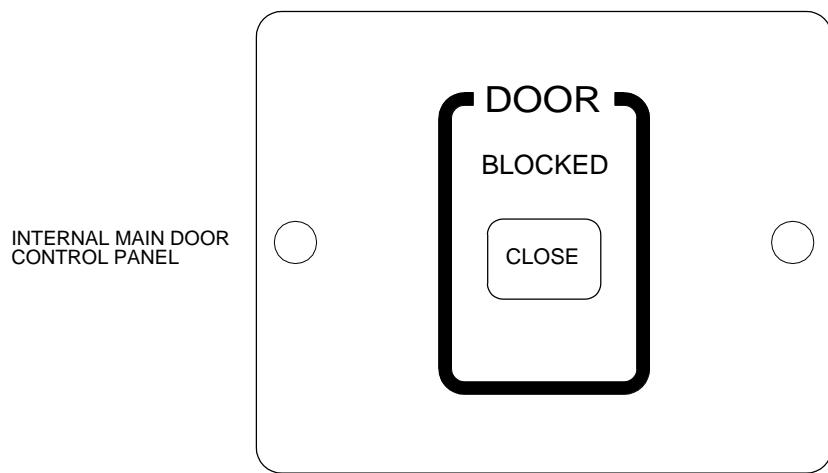
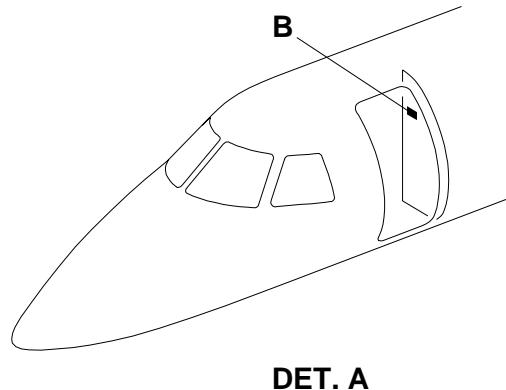
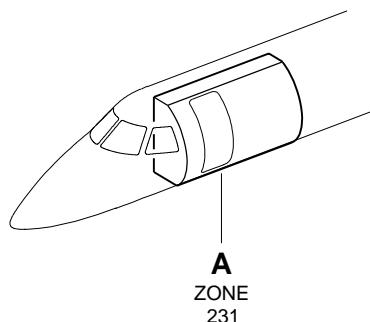
SUBTASK 842-002-A

- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

Pressure Switch - Operational Test

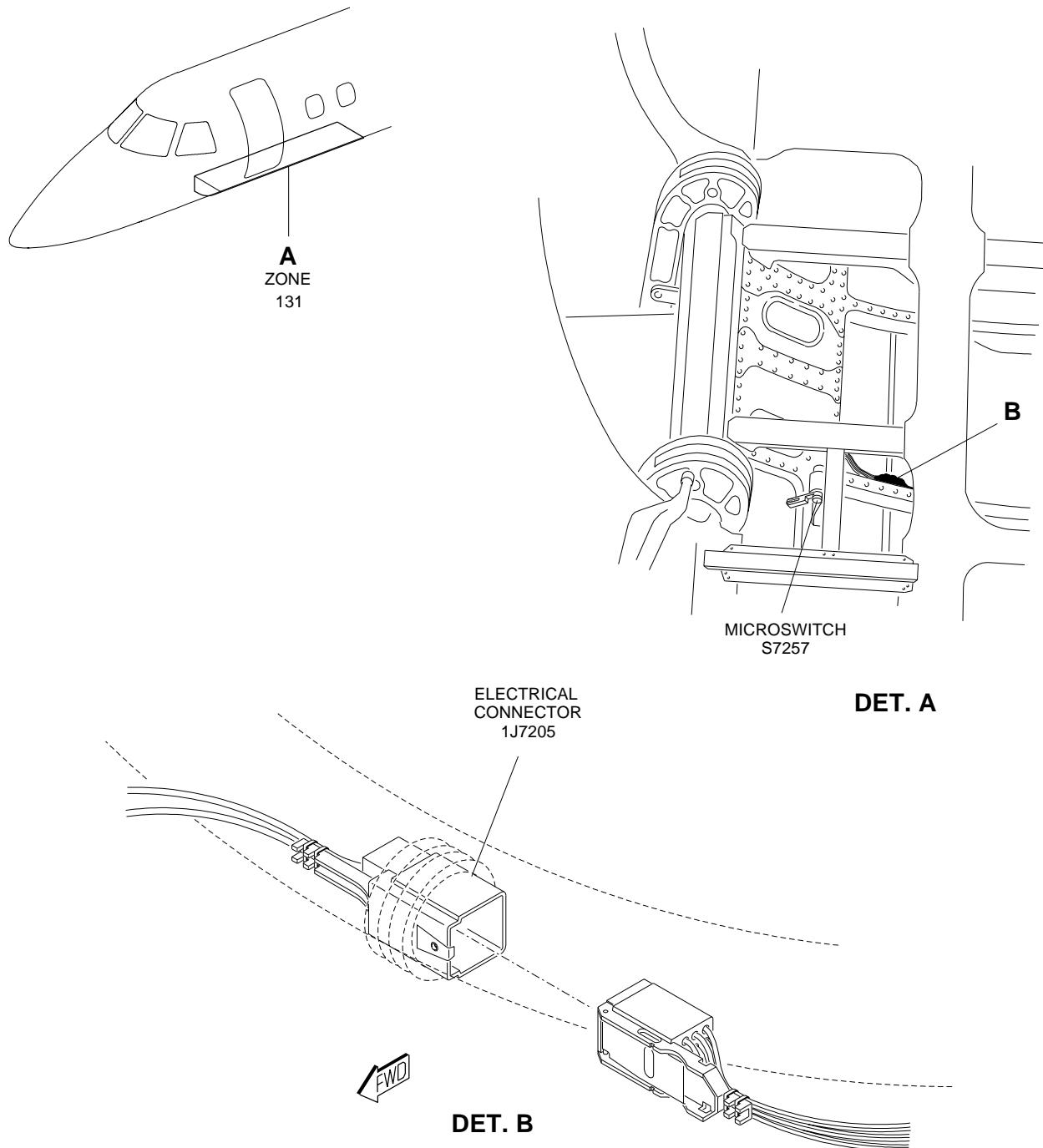
Figure 501 - Sheet 1



DET. B

145AMM520081.MCE C

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR
 Pressure Switch - Operational Test
 Figure 501 - Sheet 2



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