



## AIRCRAFT MAINTENANCE MANUAL

### MAIN DOOR WARNING - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do a check of the main door warning message.
- 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
52-73-00-700-801-A ♦	AIRSTAIRS MAIN DOOR WARNING MESSAGE - OPERATIONALLY CHECK	ALL
52-73-00-700-802-A ♦	SIDE-HINGED MAIN DOOR WARNING MESSAGE - OPERATIONALLY CHECK	ALL

**TASK 52-73-00-700-801-A**
**EFFECTIVITY: ALL**
**2. AIRSTAIRS MAIN DOOR WARNING MESSAGE - OPERATIONALLY CHECK**
**A. General**

- (1) The function of this check is to make sure that the warning message related to the main door is shown on the EICAS display.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM SDS 23-41-00/1	
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-400-801-A/400	-

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
811		Main 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**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Operates the main door and does the check of the EICAS display in the cockpit
1	Helps the other technician	Checks on the external control panel

**I. Preparation**
**SUBTASK 841-002-A**

**WARNING: MAKE SURE THAT THE SENSORS (PITOT 1 - TAT 1/AOA 1, PITOT 3 AND PITOT 2 - TAT 2/AOA 2), PUSHBUTTONS ON THE OVERHEAD PANEL ARE SET TO OFF.**

- (1) Make sure that the MAIN DOOR circuit breaker is open on the circuit breaker panel.

- (2) Connect the ramp interphone to permit communication between the mechanics ([AMM SDS 23-41-00/1](#)).
- (3) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (4) Make sure that these doors are closed and locked:
  - Forward Electronic-Compartment Access Hatch
  - Rear Electronic-Compartment Access Hatch
  - Cockpit Underfloor Access Hatch
  - Baggage Door
  - Fueling Panel Door
  - Passenger-Cabin Escape Hatches
  - Service Door
- (5) Remove the floor panel 231CF (AMM TASK 53-01-02-000-801-A/400 as applicable).
- (6) Open the N2 SIGNAL 1A, 2A, 1B and 2B circuit breakers on the circuit breaker panel.
- (7) Open the AIR/GND A, B, C and D circuit breakers on the circuit breaker panel.

**J. Operationally Check Main Door Warning Message ([Figure 501](#))**

**SUBTASK 710-002-A**

- (1) Do the operational check 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) Disconnect the electrical connector of the microswitch S7257, installed below the floor, and put a jumper between pins A and C of connector 1J7205.
- (b) Close the MAIN DOOR circuit breaker on the circuit breaker panel.
- (c) Close the main door from the internal control panel and monitor the indication on the EICAS display.

**Result:**

- 1 The EICAS display shows this warning message:

- MAIN DOOR OPN.

The MFD shows these indications:

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

- (d) Keep the CLOSE button pushed on the internal control panel.

**Result:**

- 1 The BLOCKED light, on the internal control panel, must come on.

- (e) Open the MAIN DOOR circuit breaker on the circuit breaker panel.

- (f) Release the CLOSE button, remove the jumper, and connect the electrical connector of microswitch S7257.

- (g) Close the MAIN DOOR circuit breaker on the circuit breaker panel.

- (h) Lock the main door and monitor the EICAS display.

Result:

- 1 On the EICAS display:

- The MAIN DOOR OPN warning message goes out of view.

On the MFD:

- The DOOR OPEN indication goes out of view.

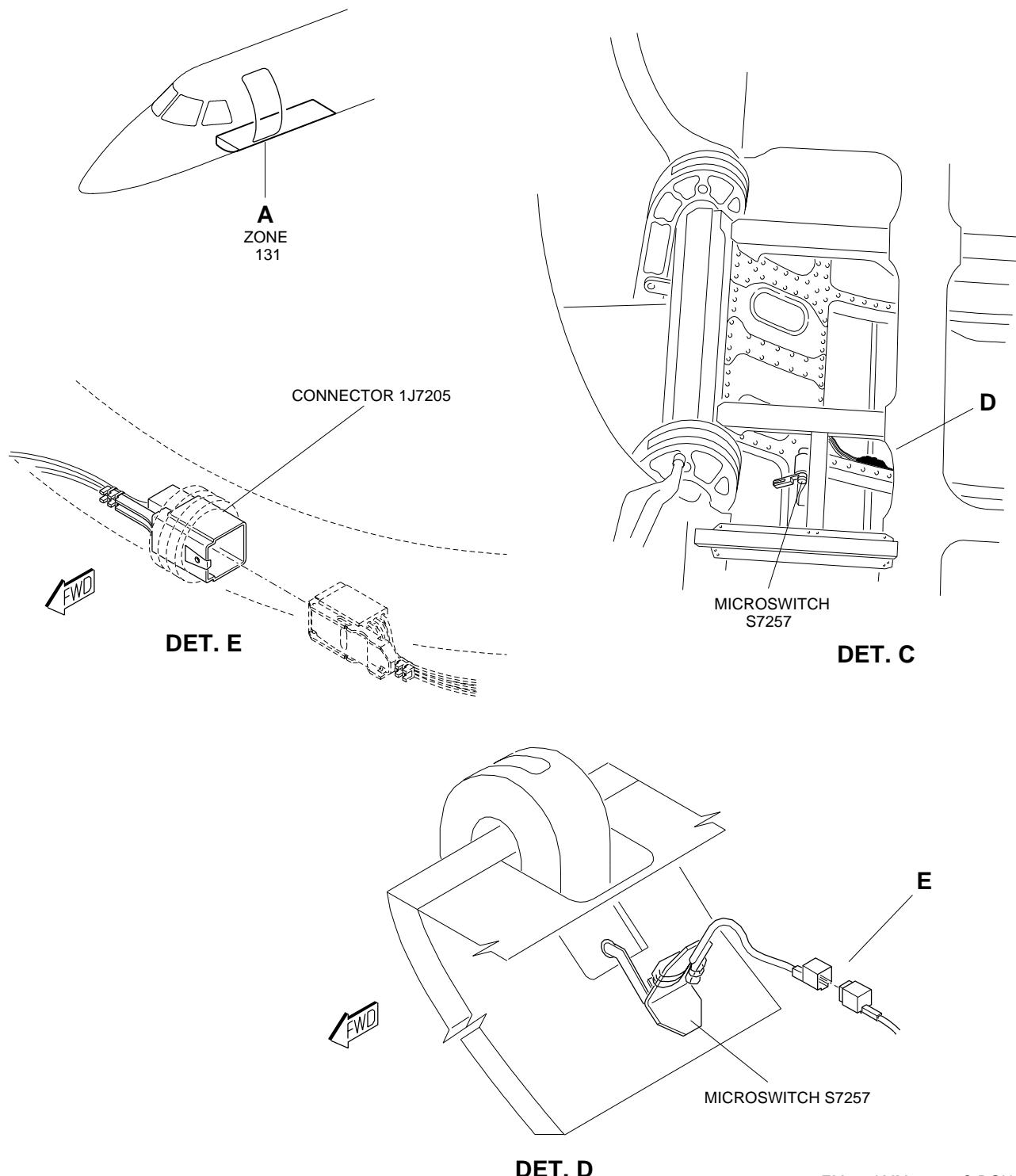
- The red square that shows the Main Door becomes green.

**K. Follow-on**

**SUBTASK 842-002-A**

- (1) On the circuit breaker panel, close the MAIN DOOR circuit breaker.
- (2) Install floor panel 231CF (AMM TASK 53-01-02-400-801-A/400 as applicable).
- (3) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (4) Disconnect the ramp interphone ([AMM SDS 23-41-00/1](#)).
- (5) On the circuit breaker panel, close the N2 SIGNAL 1A, 2A, 1B, 2B, AIR/GND A, B, C, and D circuit breakers.

**EFFECTIVITY: ALL**  
**Main Door - Warning Message**  
**Figure 501 - Sheet 1**

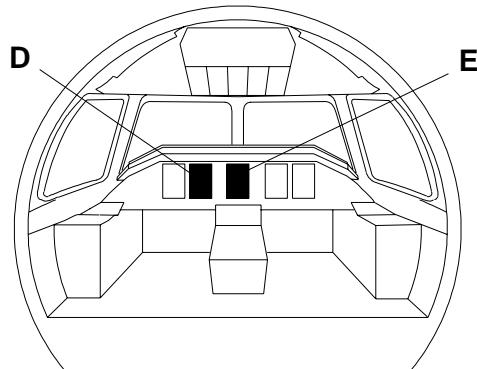
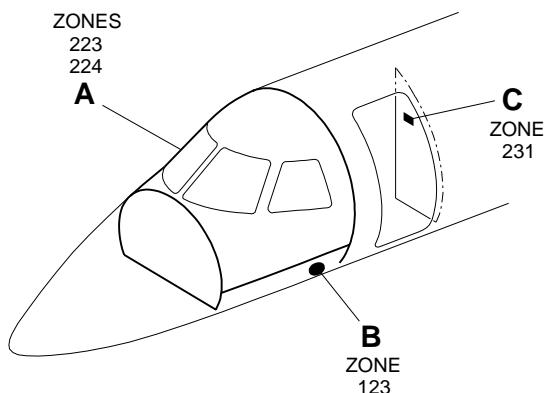
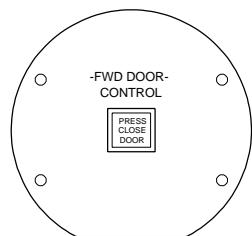
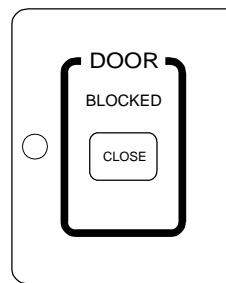
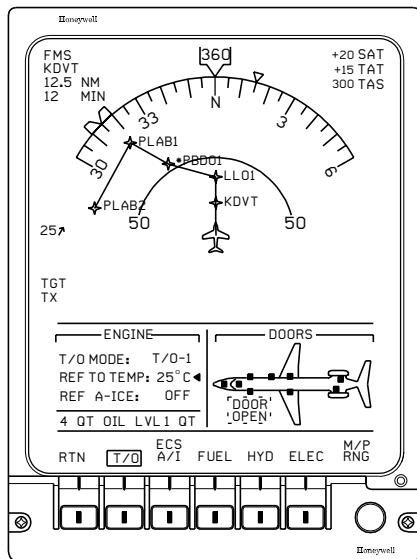
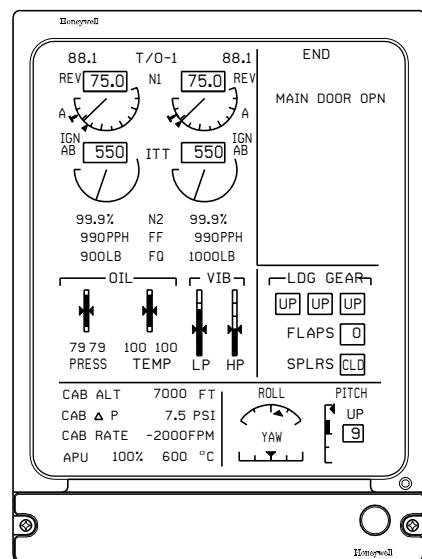


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**EFFECTIVITY: ALL**

Main Door - Warning Message

Figure 501 - Sheet 2


**DET. A**

**DET. B**

**DET. C**

**DET. D**

**DET. E**

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**TASK 52-73-00-700-802-A**
**EFFECTIVITY: ALL**
**3. SIDE-HINGED MAIN DOOR WARNING MESSAGE - OPERATIONALLY CHECK**
**A. General**

- (1) The function of this check is to make sure that the warning message related to the side-hinged main door is shown on the EICAS display.

**B. References**

REFERENCE	DESIGNATION
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
811		Side-hinged main door

**D. Tools and Equipment**

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the side-hinged main door	

**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	Operates the side-hinged main door in the passenger cabin
1	Helps the other technician	Does the check of the EICAS display in the cockpit

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

**WARNING: MAKE SURE THAT THE SENSORS (PITOT 1 - TAT 1/AOA 1, PITOT 3 AND PITOT 2 - TAT 2/AOA 2), PUSHBUTTONS ON THE OVERHEAD PANEL ARE SET TO OFF.**

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

- (2) Make sure that these doors are closed and locked:
  - Forward Electronic-Compartment Access Hatch
  - Rear Electronic-Compartment Access Hatch
  - Cockpit Underfloor Access Hatch
  - Baggage Door
  - Fueling Panel Door
  - Passenger - Cabin Escape Hatches
  - Service Door
- (3) Open the N2 SIGNAL 1A, 2A, 1B and 2B circuit breakers, on the circuit breaker panel.
- (4) Open the AIR/GND A, B, C and D circuit breakers, on the circuit breaker panel.

**J. Operationally Check Side-hinged Main Door Warning Message**

**SUBTASK 710-003-A**

- (1) Do the operational check as follows:

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

- (a) Fully close the side-hinged main door and, before you lock it, monitor the indication on the EICAS display.

Result:

- 1 The EICAS display shows the warning message:

- MAIN DOOR OPN.

The MFD shows these indications:

- DOOR OPEN (in red).

- A red square that shows the main door.

- (b) Lock the side-hinged main door and monitor the EICAS display.

Result:

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

- MAIN DOOR OPN.

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

- DOOR OPEN.

- The red square that shows the main door becomes green.

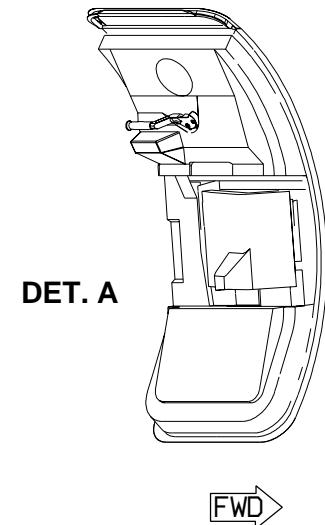
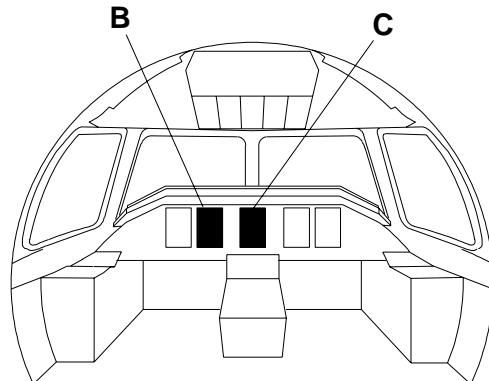
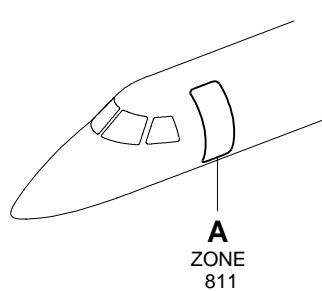
**K. Follow-on**

**SUBTASK 842-003-A**

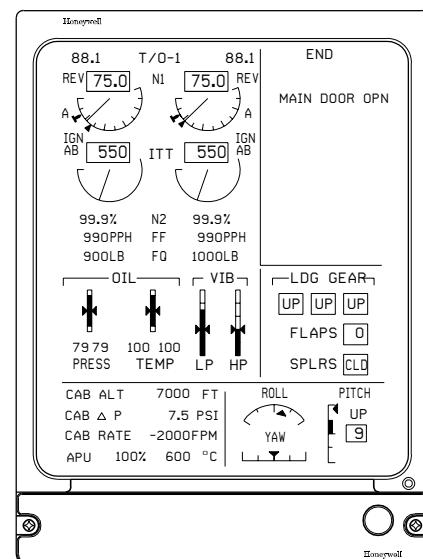
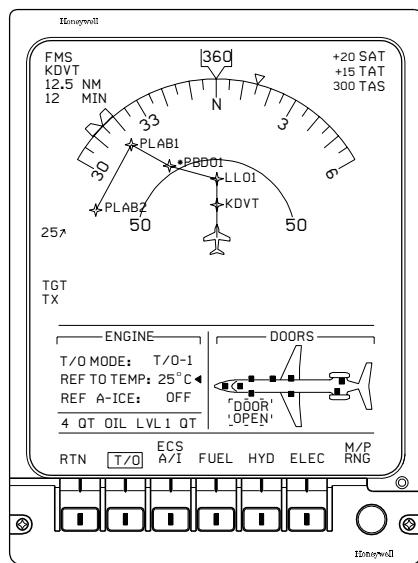
- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the circuit breaker panel, close the N2 SIGNAL 1A, 2A, 1B, 2B, AIR/GND A, B, C, and D circuit breakers.

**EFFECTIVITY: ALL**

Side-hinged Main Door - Warning Message  
Figure 502



**FWD** 



**DET. B**

**DET. C**

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