

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

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
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-400-801-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
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

QTY	FUNCTION	PLACE
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

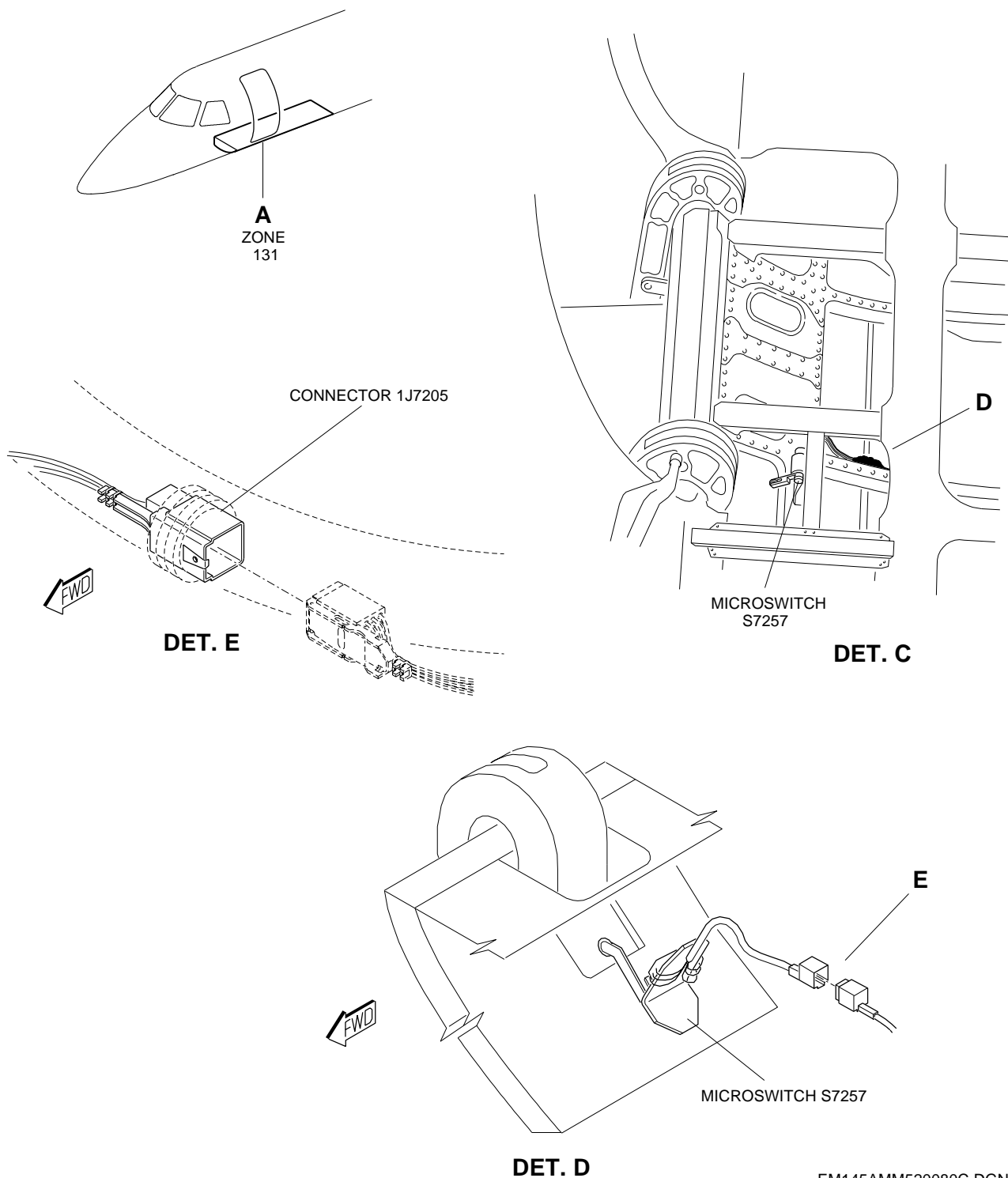
SUBTASK 842-002-A

- (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

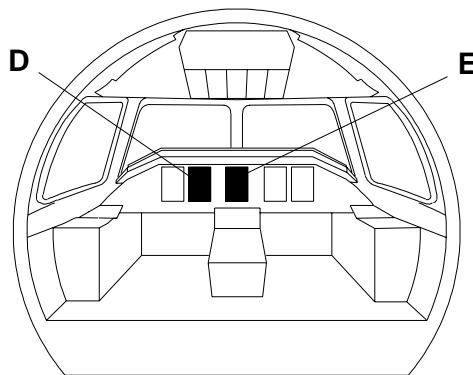
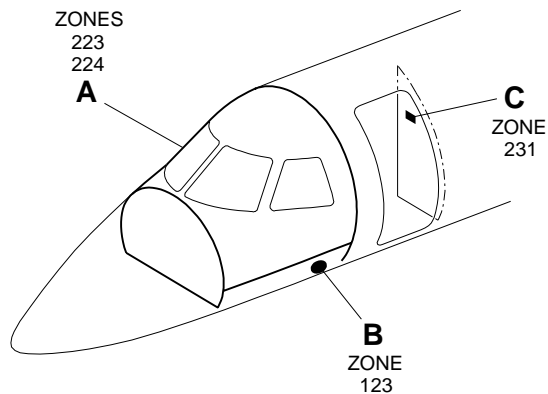
Figure 501 - Sheet 1



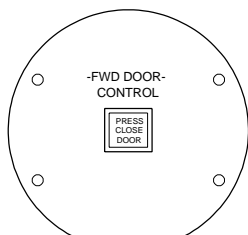
EFFECTIVITY: ALL

Main Door - Warning Message

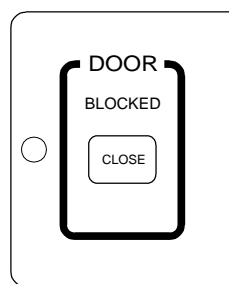
Figure 501 - Sheet 2



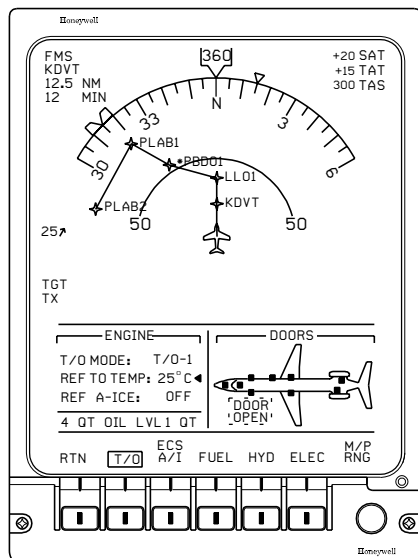
DET. A



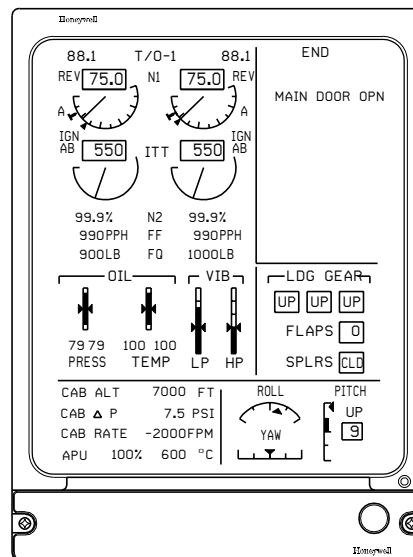
DET. B



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

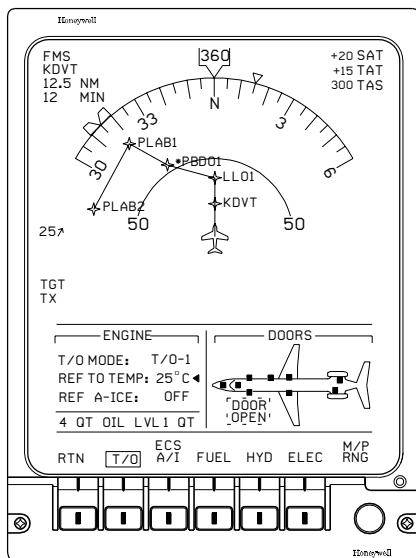
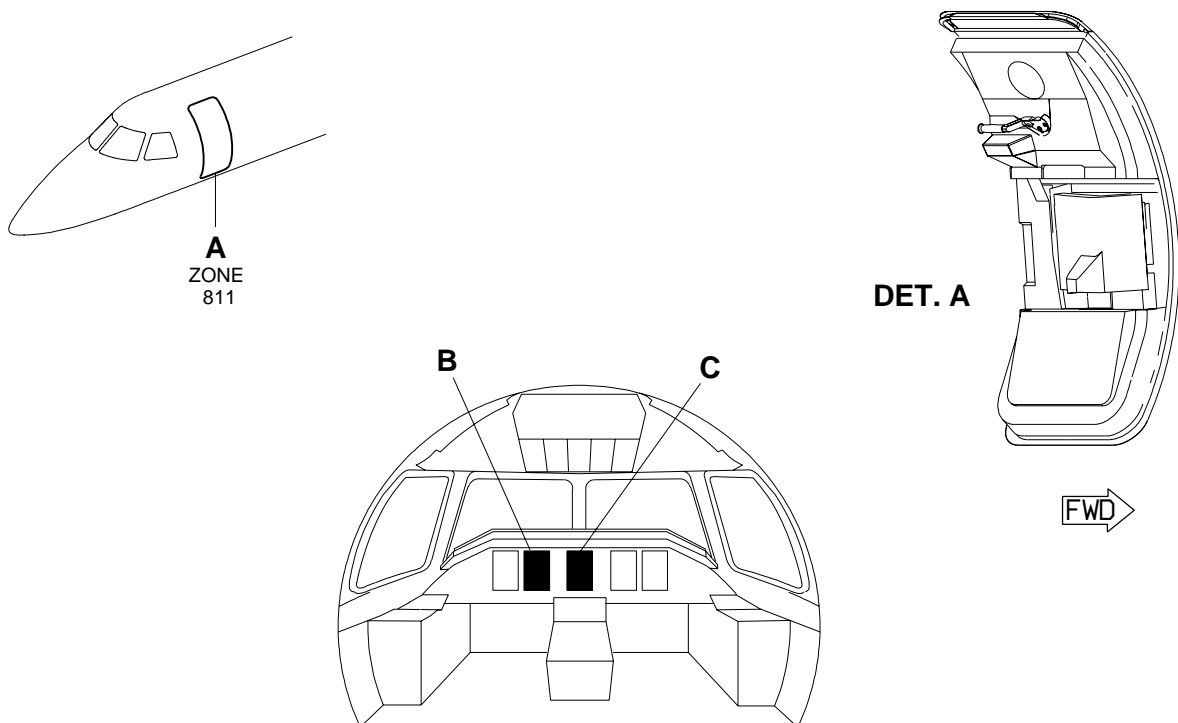
SUBTASK 842-003-A

- (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.

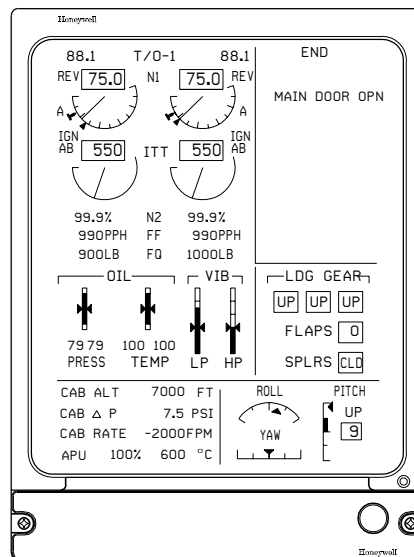
EFFECTIVITY: ALL

Side-hinged Main Door - Warning Message

Figure 502



DET. B



DET. C

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