PRESSURE SWITCH (EMERGENCY/PARKING BRAKE) - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. <u>General</u>

   A. This section gives the procedures to do a check of the operation of the pressure switch of the Emergency/Parking Brake.

   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
32-44-07-700-801-A	PRESSURE SWITCH OF THE EMERGEN-CY/PARKING BRAKE - OPERATIONAL CHECK	ALL

TASK 32-44-07-700-801-A
EFFECTIVITY: ALL

2. PRESSURE SWITCH OF THE EMERGENCY/PARKING BRAKE - OPERATIONAL CHECK

    A. General

        (1) This task gives the procedures to do a check of the operation of the pressure switch of the Emergency/Parking Brake.

    B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 23-40-00/1	
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL

    C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113EL	Forward Fuselage

    D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 044	Headset, ramp handling	For communications	
GSE 012	Wheel chock	To put at the aircraft wheel	

    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	Cockpit
1	Helps the other technician	Outside the aircraft

I. Preparation

SUBTASK 841-002-A

(1) Make sure that the safety pins of the landing gears are installed (AMM TASK 32-00-01-910-801-A/200).

(2) Put chocks at the landing gear wheels.

(3) Open access door 113EL (AMM MPP 06-41-01/100).

(4) Energize the aircraft with the External DC Power Supply (AMM TASK 20-40-01-860-801-A/200).

(5) Pressurize hydraulic system 2 only (AMM TASK 29-10-00-860-801-A/200).

(6) Connect the ramp interphone (AMM SDS 23-40-00/1).

(7) Make sure that the thrust levers are in the flight IDLE position.

J. Operational Check of the Pressure Switch of the Emergency/Parking Brake (Figure 501)

SUBTASK 710-002-A

(1) Do the check of the pressure switch of the Emergency/Parking Brake as follows:

NOTE: To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.

(a) Set the thrust levers to the THRUST SET position.

(b) Release the parking Brake handle to the rest position.
Result:
1   On the Instrument and Ramp panels, the BRAKE ON lights go off.

(c) Pull the Emergency/Parking Brake fully until you lock it.
Result:
1   On the Instrument and Ramp panels, the BRAKE ON lights come on.

(d) Set the thrust levers to the flight IDLE position.
Result:
1   On the Instrument and Ramp panels, the BRAKE ON lights stay on.

(e) Set the thrust levers to the THRUST SET position.
Result:
1   On the EICAS display, the NO TAKE-OFF CONFIG warning message comes on.

2   The "Take-Off Brakes" aural warning is activated.

(f) Release the parking brake handle to the rest position.
Result:
1   On the EICAS display, the NO TAKE-OFF CONFIG warning message stays on.

2   The "Take-Off Brakes" aural warning is cancelled.

K.   Follow-on
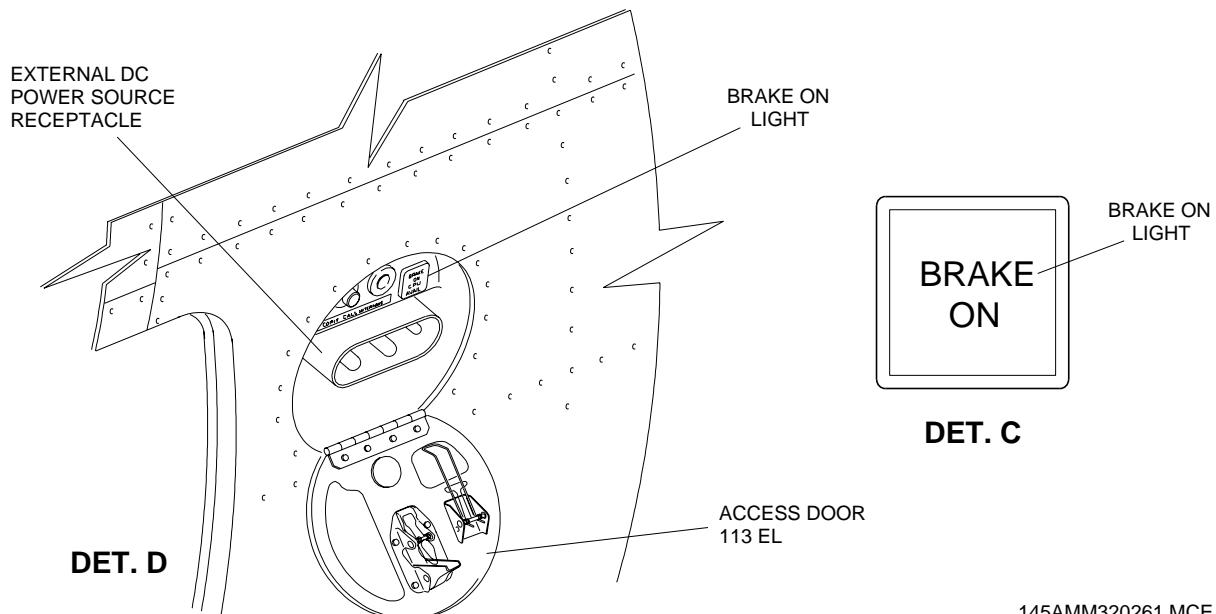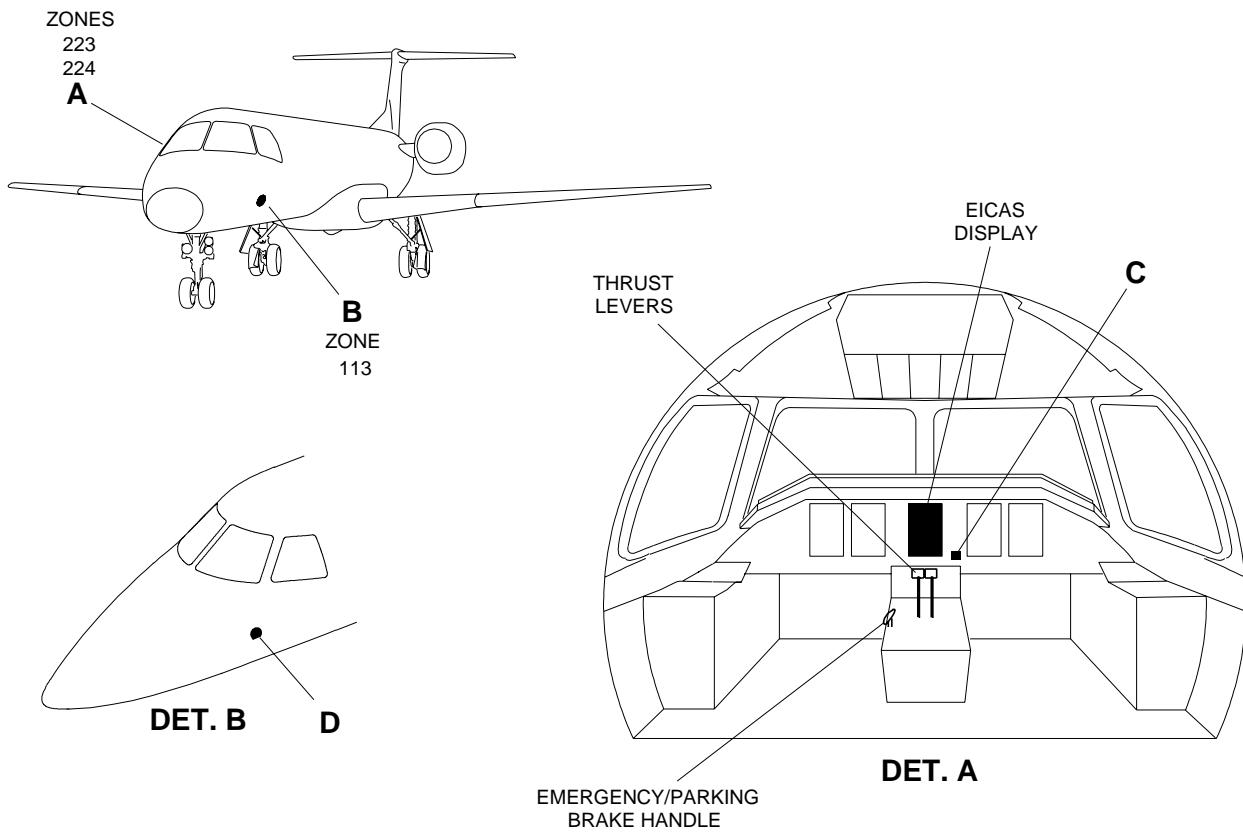
SUBTASK 842-002-A

(1)   Set the thrust levers to the flight IDLE position.

(2)   Pull the Emergency/Parking Brake fully until you lock it.

NOTE: To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.

(3)   Release the pressure from the hydraulic system (AMM TASK 29-10-00-860-801-A/ 200).

(4)   Deenergize the aircraft (AMM TASK 20-40-01-860-801-A/200).

EFFECTIVITY: ALL
BRAKES ON lights location
Figure 501

ZONES
223
224

A

B
ZONE
113

EICAS
DISPLAY

THRUST
LEVERS

C

DET. B   **D**

EMERGENCY/PARKING
BRAKE HANDLE

DET. A

EXTERNAL DC
POWER SOURCE
RECEPTACLE

BRAKE ON
LIGHT

BRAKE ON
LIGHT

BRAKE
ON

DET. C

ACCESS DOOR
113 EL

DET. D

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