



AIRCRAFT MAINTENANCE MANUAL

PRESSURE SWITCH (ACCUMULATOR LOW PRESSURE) - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do a check of the operation of the pressure switch of the Accumulator Low Pressure.
- 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
32-44-05-700-801-A	PRESSURE SWITCH OF THE ACCUMULATOR LOW PRESSURE - FUNCTIONAL CHECK	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-44-05-700-801-A

EFFECTIVITY: ALL

2. PRESSURE SWITCH OF THE ACCUMULATOR LOW PRESSURE - FUNCTIONAL CHECK

A. General

- (1) This task gives the procedures to do a check of the operation of the pressure switch of the Accumulator Low Pressure.

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

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193CR	Hydraulic Compartment 2

D. Tools and Equipment

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

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) Put chocks at the landing gear wheels.

- (2) Open access door 193CR (AMM MPP 06-41-01/100).
- (3) Connect the ramp interphone ([AMM SDS 23-40-00/1](#)).
- (4) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).

J. Functional Check of the Accumulator Low Pressure ([Figure 501](#))

SUBTASK 720-002-A

- (1) Do a check of the pressure switch of the Accumulator Low Pressure.
 - (a) Pressurize hydraulic system 2 only ([AMM TASK 29-10-00-860-801-A/200](#)) to fill the accumulator of the Emergency/Parking Brake.
 - (b) Release the pressure from hydraulic system 2 ([AMM TASK 29-10-00-860-801-A/200](#)).

Result:

- 1 The pressure gauge of the accumulator must be 2800 ± 200 psi.

- (c) Slowly push and pull the Emergency/Parking Brake handle (approximately 3 complete cycles) until the EMERG BRK LO PRESS caution message comes on, on the EICAS display.

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.

Result:

- 1 The pressure gauge of the accumulator must be 2325 ± 75 psi.

- (d) Pressurize the hydraulic system 2 only ([AMM TASK 29-10-00-860-801-A/200](#)) to fill the accumulator of the Emergency/Parking Brake.

Result:

- 1 On the EICAS display, the EMERG BRK LO PRESS caution message goes out of view.

K. Follow-on

SUBTASK 842-002-A

- (1) 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.

- (2) Close access door 193CR (AMM MPP 06-41-01/100).

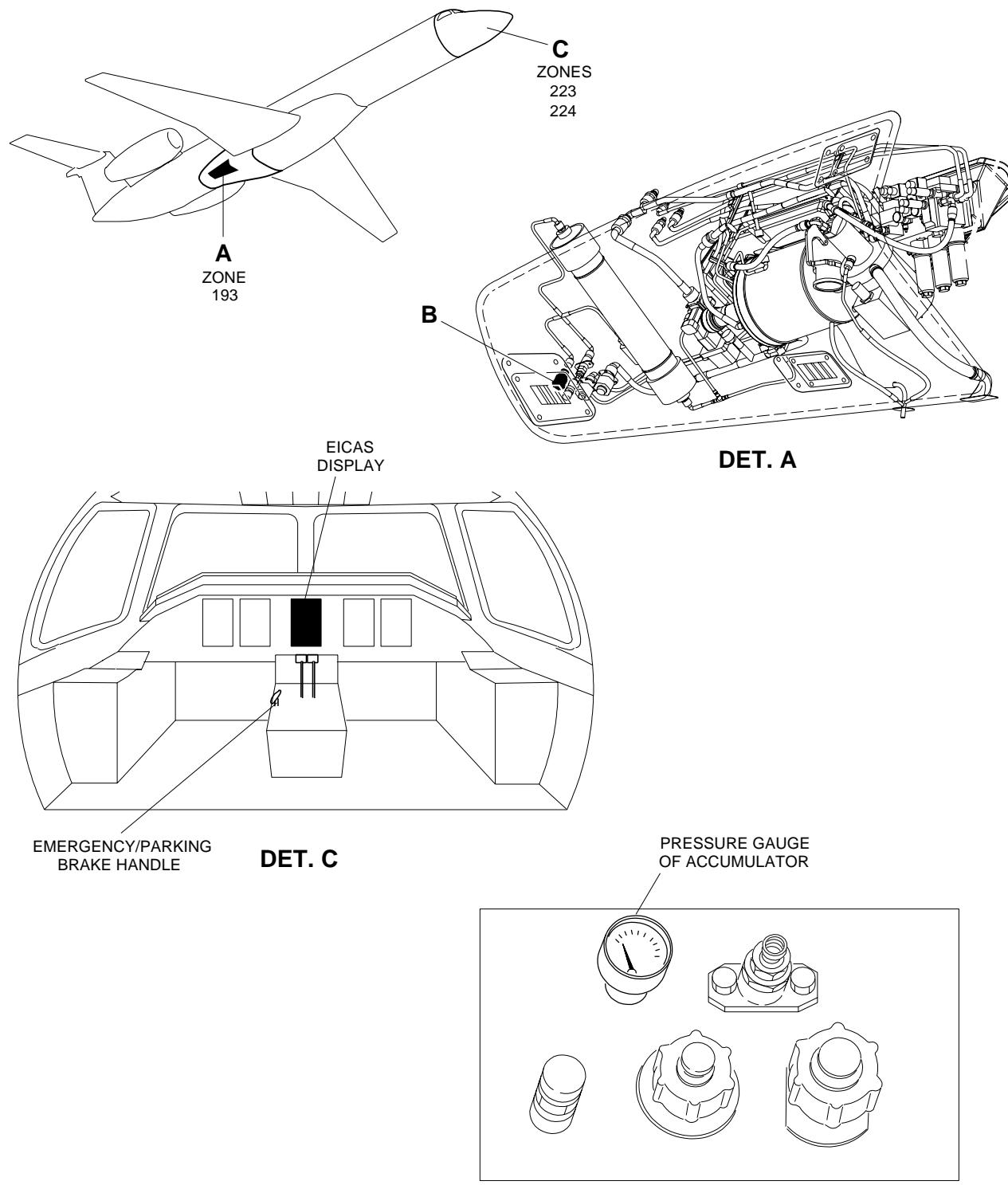
- (3) Release the pressure from hydraulic system 2 ([AMM TASK 29-10-00-860-801-A/200](#)).

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

EFFECTIVITY: ALL

Accumulator Low Pressure - Test

Figure 501



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