

HYDRAULIC ACCUMULATOR - SERVICING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to charge the emergency/parking brake accumulator with nitrogen.
- 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
32-44-02-600-801-A ◆	EMERGENCY/PARKING BRAKE ACCUMULATOR - CHARGE	ALL

TASK 32-44-02-600-801-A

EFFECTIVITY: ALL

2. EMERGENCY/PARKING BRAKE ACCUMULATOR - CHARGE

A. General

- (1) The emergency/parking brake accumulator is installed in the Hydraulic System 2 compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 10-10-01-500-801-A/200	AIRCRAFT NORMAL PARKING
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 32-44-02-910-801-A/200	HYDRAULIC ACCUMULATOR EMERGENCY/PARKING BRAKE - RELEASE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193JR	Hydraulic system 2 compartment

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 024	Regulator - nitrogen service	To charge the accumulator	

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Nitrogen cylinder (3000 psi)	To store nitrogen	1
Commercially available	Brush	To apply the leak detector fluid	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Spec BB-411, Type I, Class I, Grade B	Nitrogen	AR
MIL-L-25567 or equivalent	LEAK TEC 160X leakage detector	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Hydraulic system 2 compartment

I. Preparation

SUBTASK 841-002-A

- (1) Put chocks at the landing gear wheels ([AMM TASK 10-10-01-500-801-A/200](#)).
- (2) Open access door 193JR (AMM MPP 06-41-01/100).

J. Parking/Emerg. Brake Nitrogen Accumulator Pressure Charge ([Figure 301](#)) ([Figure 302](#))

SUBTASK 610-002-A

- (1) Fully release the pressure from the fluid chamber of the emergency/parking brake system hydraulic accumulator ([AMM TASK 32-44-02-910-801-A/200](#)).
 - (2) Remove the cap (2) from the charging valve (3).
 - (3) Connect the hose (4) of the nitrogen cylinder to the charging valve (3).
 - (4) Open the cylinder valve (5) and adjust the pressure in the regulating valve (6) to the specified pressure. Refer to [Figure 301](#).
 - (5) Open the charging valve (3).
 - (6) Stop the nitrogen supply when the pressure gage (7) of the accumulator shows 2000 PSI.
- NOTE:** This pressure (2000 PSI) is for an ambient temperature of 21.1°C (70°F). For other ambient temperature refer to the graph.
- (7) Close the charging valve (3).
 - (8) Close the cylinder valve (5).
 - (9) Disconnect the hose (4) of the nitrogen cylinder.
 - (10) Use a brush to apply the leak detection fluid to the charging valve and examine it for gas leakage. Refer to [Figure 302](#).
 - (11) Install the cap (2) to charging valve (3).

K. Follow-on

SUBTASK 842-002-A

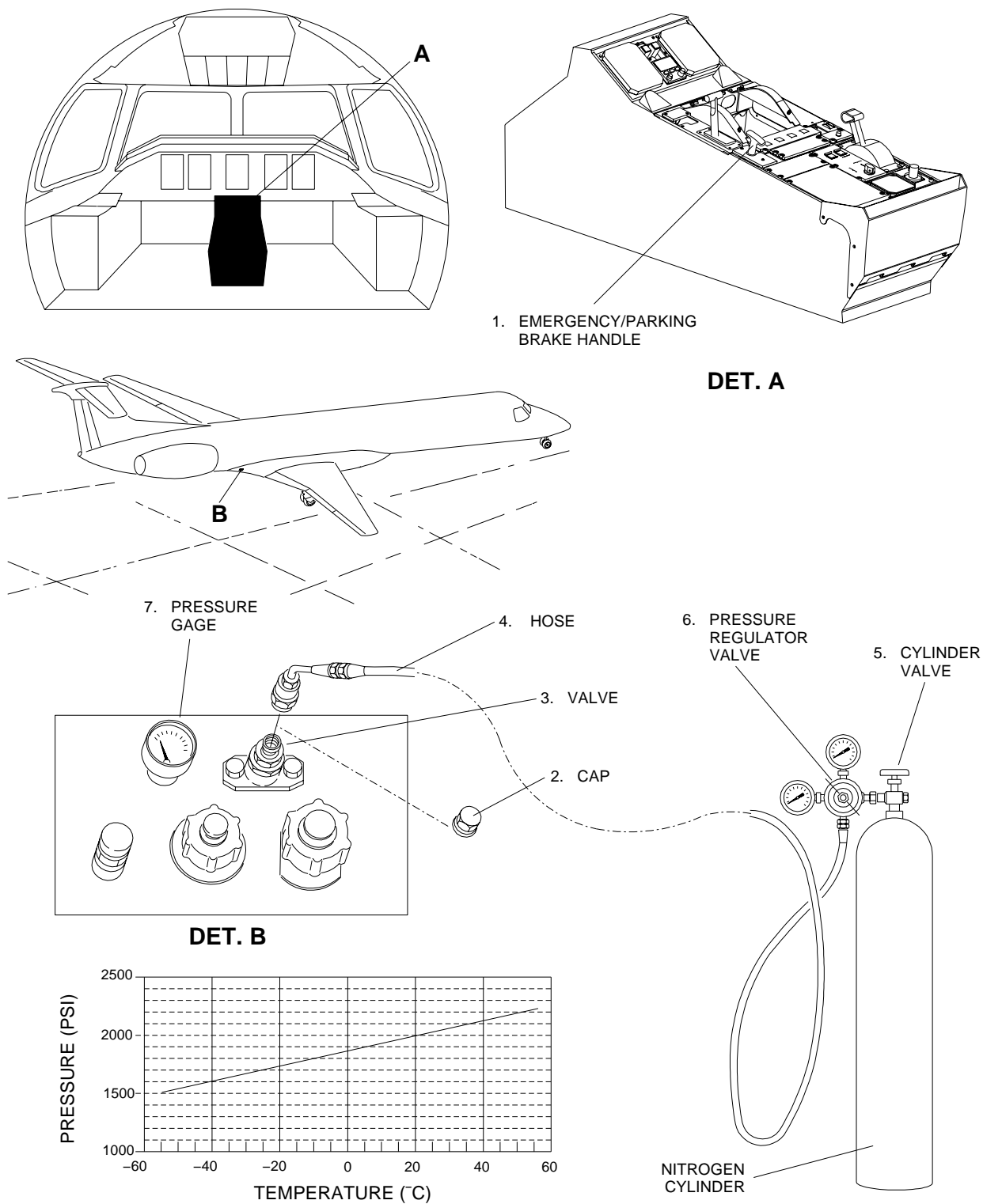
- (1) Pressurize the hydraulic system 2 ([AMM TASK 29-10-00-860-801-A/200](#)) and make sure that the pressure on the pressure gage (7) is correct (2900 ± 200 PSI).
- (2) Close the access door 193JR (AMM MPP 06-41-01/100).
- (3) Set the parking brake handle to the parking position.

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.

EFFECTIVITY: ALL

Emergency/Parking Brake Accumulator - Charge

Figure 301

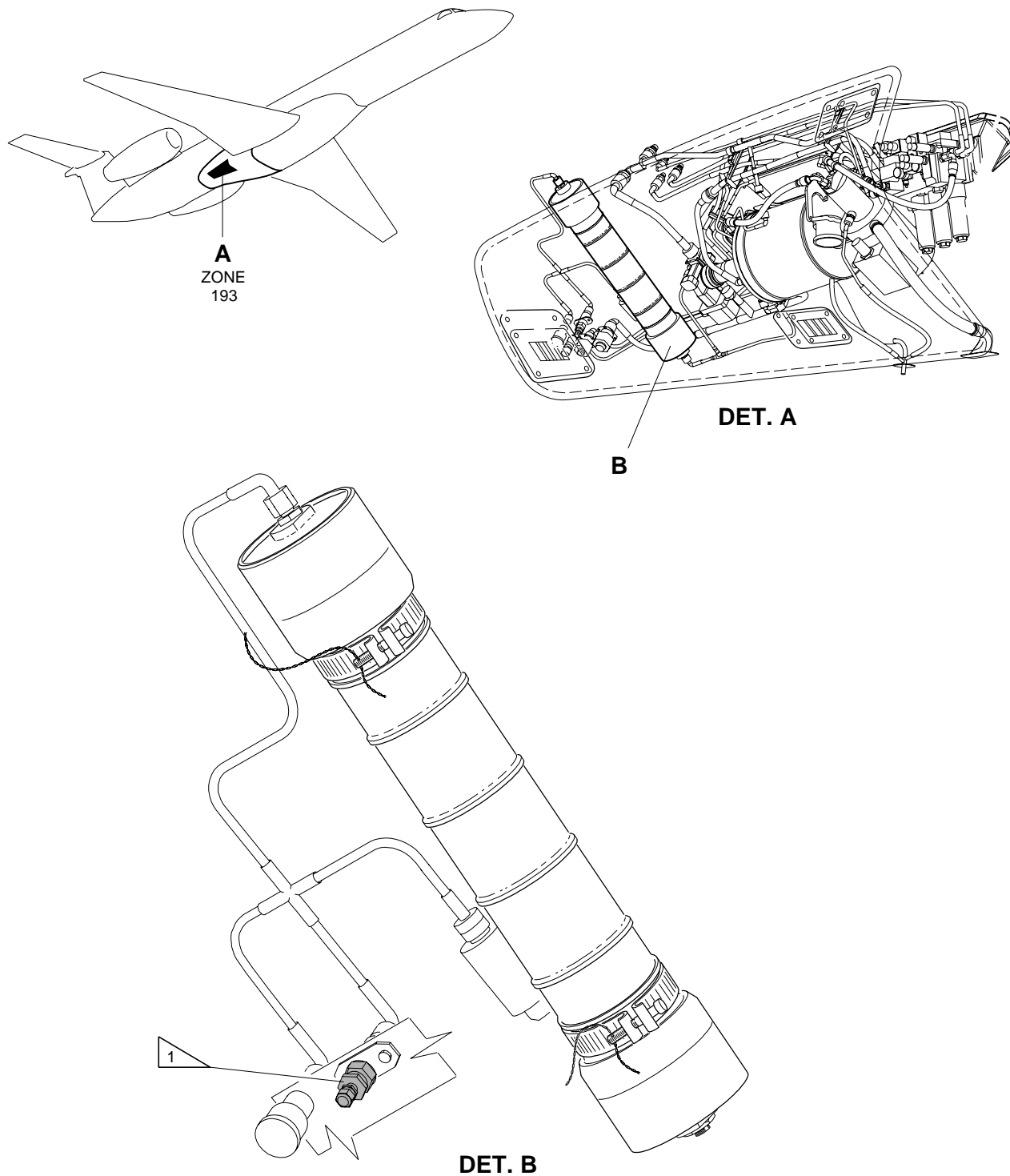



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EFFECTIVITY: ALL

Emergency/Parking Brake Accumulator - Test for Leakage

Figure 302




1 APPLY LEAK DETECTION FLUID.

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