



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**LANDING GEAR HYDRAULIC ACCUMULATOR - ADJUSTMENT/TEST**

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do a check on the landing gear accumulator.
- 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
32-33-15-700-801-A ♦	LANDING-GEAR HYDRAULIC ACCUMULATOR - FUNCTIONAL CHECK	ALL
32-33-15-700-802-A	LANDING-GEAR HYDRAULIC ACCUMULATOR - LEAKAGE TEST	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 32-33-15-700-801-A

EFFECTIVITY: ALL

2. LANDING-GEAR HYDRAULIC ACCUMULATOR - FUNCTIONAL CHECK

A. General

- (1) The pressure gage of the landing-gear accumulator is installed in the hydraulic compartment, in the fuselage nose section.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 12-13-06-600-801-A/300	LANDING GEAR AND MAIN DOOR ACCUMULATOR - CHARGE
FIM TASK 52-11-00-810-809-A	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Forward fuselage 1 - RH

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	Forward fuselage 1 - RH

I. Preparation

SUBTASK 841-002-A

- (1) Open door 114CR (AMM MPP 06-41-01/100).

J. Functionally Check Landing Gear Hydraulic-Accumulator Nitrogen Charge (Figure 501)

SUBTASK 720-002-A

- (1) Operate the accumulator oil-discharge valve.

- (2) After three minutes, read the nitrogen pre-charge shown on the gage.



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- NOTE:**
- The pressure to charge the accumulator at 21.1°C (70°F) is 1500 psi. To do the procedure at other ambient temperatures, refer to [Figure 501](#). Pressure variation of ± 50 PSI of reference pressure is permitted.
  - If abnormal pressure drop occurs or there is the suspect of nitrogen leakage, refer to FIM TASK 52-11-00-810-809-A.
  - If necessary, recharge the accumulator ([AMM TASK 12-13-06-600-801-A/300](#)).

K. Follow-on

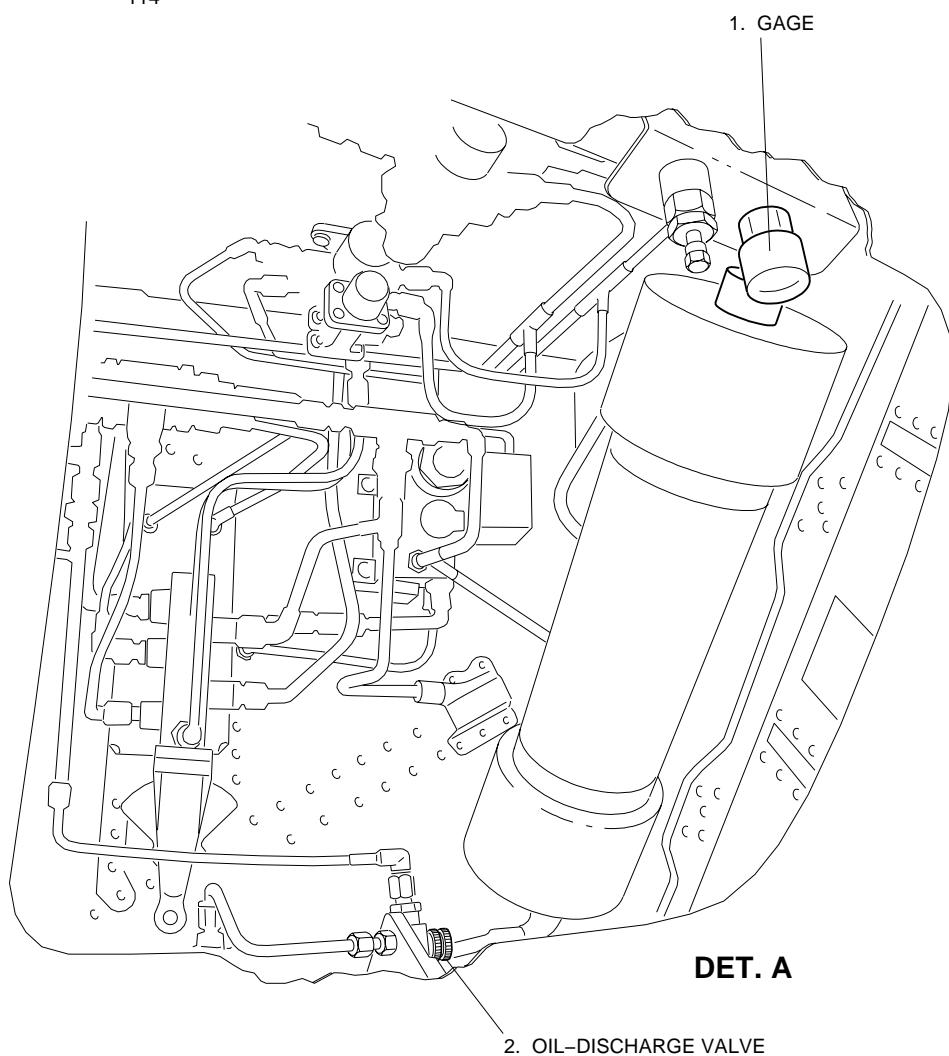
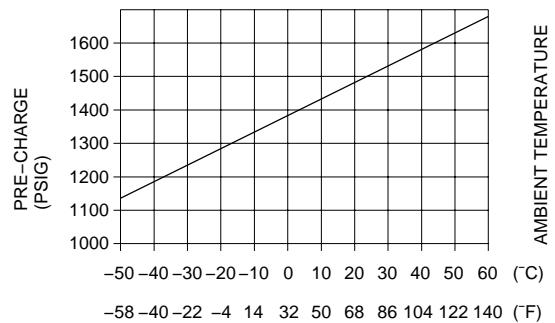
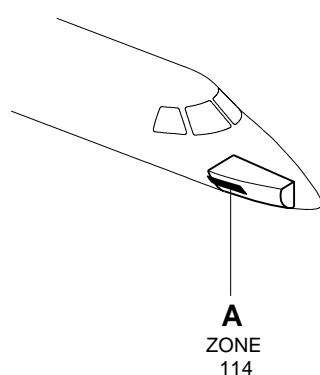
SUBTASK 842-002-A

- (1) Close door 114CR (AMM MPP 06-41-01/100).

**EFFECTIVITY: ALL**

Landing-Gear Hydraulic Accumulator - Inspection

Figure 501



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EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 32-33-15-700-802-A

EFFECTIVITY: ALL

3. LANDING-GEAR HYDRAULIC ACCUMULATOR - LEAKAGE TEST

A. General

- (1) The pressure gage of the landing-gear accumulator is installed in the hydraulic compartment, in the fuselage nose section.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Forward fuselage 1 - RH

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Brush	To apply the leak detector fluid	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
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	Forward fuselage 1 - RH

I. Preparation

**SUBTASK 841-003-A**

- (1) Open door 114CR (AMM MPP 06-41-01/100).



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

J. Gas Leakage Test of the Landing Gear Hydraulic-Accumulator ([Figure 502](#))

SUBTASK 720-003-A

- (1) Use a brush to apply the leak detection fluid to the hydraulic accumulator and its connections and examine them for gas leakage. Refer to [Figure 502](#).

K. Follow-on

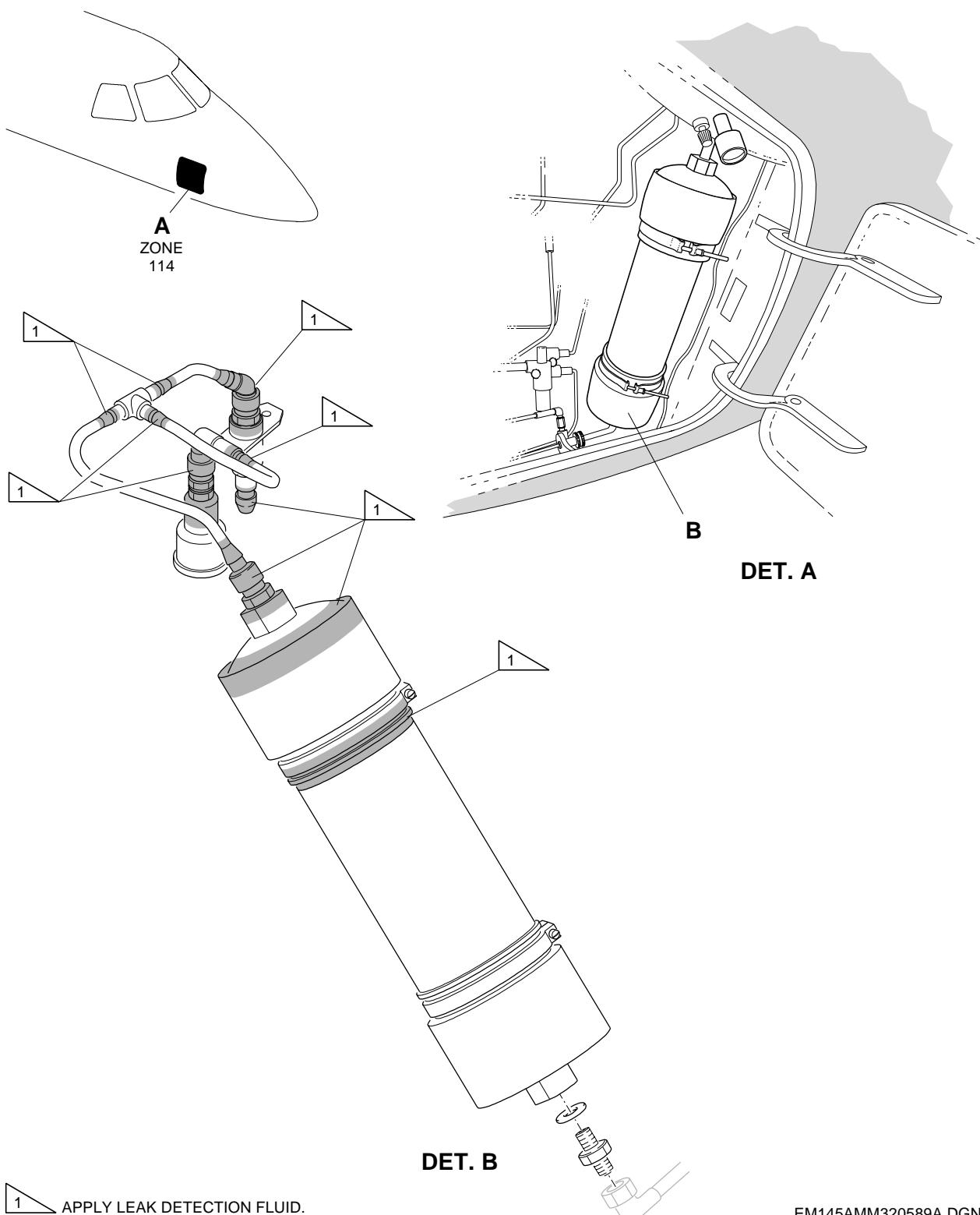
SUBTASK 842-003-A

- (1) Close door 114CR (AMM MPP 06-41-01/100).

**EFFECTIVITY: ALL**

Landing-Gear Hydraulic Accumulator - Leakage Test

Figure 502



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