



AIRCRAFT MAINTENANCE MANUAL

MAIN-DOOR ACTUATION-SYSTEM PRESSURE GAUGE - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

1. General

- A. This section gives the procedures to remove and install the pressure gage of the main-door actuation system.
- 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
52-12-13-000-801-A	MAIN-DOOR ACTUATION-SYSTEM PRESSURE GAGE - REMOVAL	AIRCRAFT WITH AIR-STAIRS DOOR
52-12-13-400-801-A	MAIN-DOOR ACTUATION-SYSTEM PRESSURE GAGE - INSTALLATION	AIRCRAFT WITH AIR-STAIRS DOOR



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 52-12-13-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR ACTUATION-SYSTEM PRESSURE GAGE - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the pressure gage of the main-door actuation system.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Nose hydraulic compartment

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	Nose hydraulic compartment

I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the ELEC PUMP 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Open access door 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).
- (3) Totally release the pressure from the hydraulic system AMM TASK 29-10-00-860-802-A/200.



AIRCRAFT
MAINTENANCE MANUAL

- (4) Totally release the pressure from the fluid chamber of the hydraulic accumulator of the main-door actuation system. For this, open the discharge valve and monitor the pressure gage until it shows the nitrogen precharge.
- (5) Slowly open the charging valve of the hydraulic accumulator to let all pressure in it go out.

J. Removal (Figure 401)

SUBTASK 020-002-A

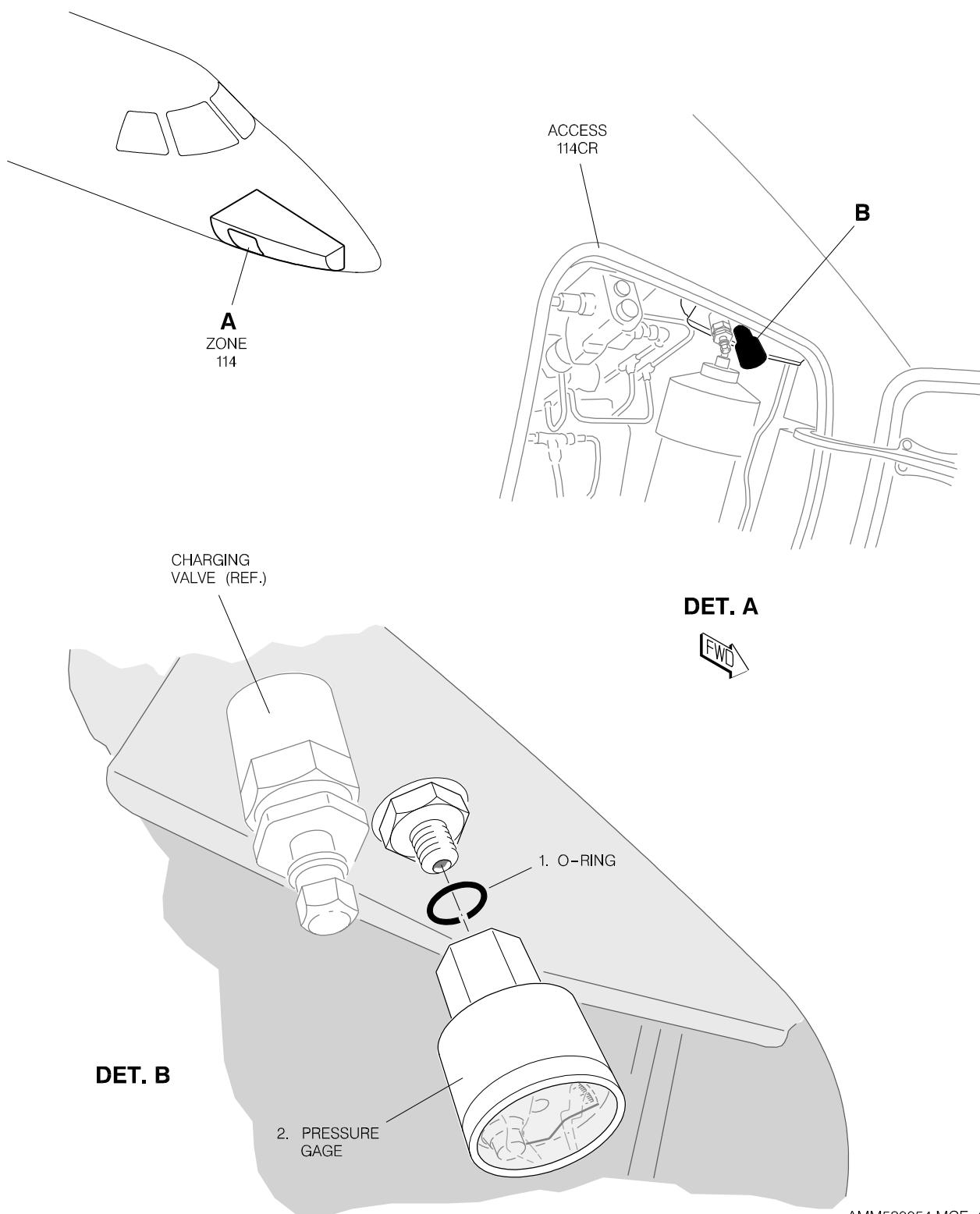
WARNING: THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE RUBBER GOGGLES AND GLOVES. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL HELP.

- (1) Remove the pressure gage (2).
- (2) Remove and discard the old O-ring (1).

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

Pressure Gage - Removal/Installation

Figure 401



AMM520054.MCE C



AIRCRAFT
MAINTENANCE MANUAL

TASK 52-12-13-400-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

3. MAIN-DOOR ACTUATION-SYSTEM PRESSURE GAGE - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the pressure gage of the main-door actuation system.

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
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
IPC 52-12-00	MAIN DOOR - LIFTING AND LOWERING SYSTEM

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114CR	Nose hydraulic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 52-12-00	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Nose hydraulic compartment

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install a new O-ring (1) and the pressure gage (2).



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

J. Follow-on

SUBTASK 842-002-A

- (1) Pressurize the nitrogen chamber of the hydraulic accumulator ([AMM TASK 12-13-06-600-801-A/300](#)).
- (2) On the circuit breaker panel, close the ELEC PUMP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Pressurize hydraulic system 1 ([AMM TASK 29-10-00-860-802-A/200](#)).
- (4) Do a check on the pressure gage of the main-door actuation system for leaks.
- (5) Close access panel 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).