

## MAIN-DOOR ACTUATION-SYSTEM CHARGING VALVE - REMOVAL/INSTALLATION

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR*

### 1. General

- A. This section gives the procedures to remove and install the charging valve of the hydraulic accumulator 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
52-12-12-000-801-A	MAIN-DOOR ACTUATION-SYSTEM CHARGING VALVE - REMOVAL	AIRCRAFT WITH AIR- STAIRS DOOR
52-12-12-400-801-A	MAIN-DOOR ACTUATION-SYSTEM CHARGING VALVE - INSTALLATION	AIRCRAFT WITH AIR- STAIRS DOOR

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

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

## 2. MAIN-DOOR ACTUATION-SYSTEM CHARGING VALVE - REMOVAL

### A. General

- (1) This procedure gives the instructions to remove the charging valve of the hydraulic accumulator of the main-door actuation system.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	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](#).

- (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*

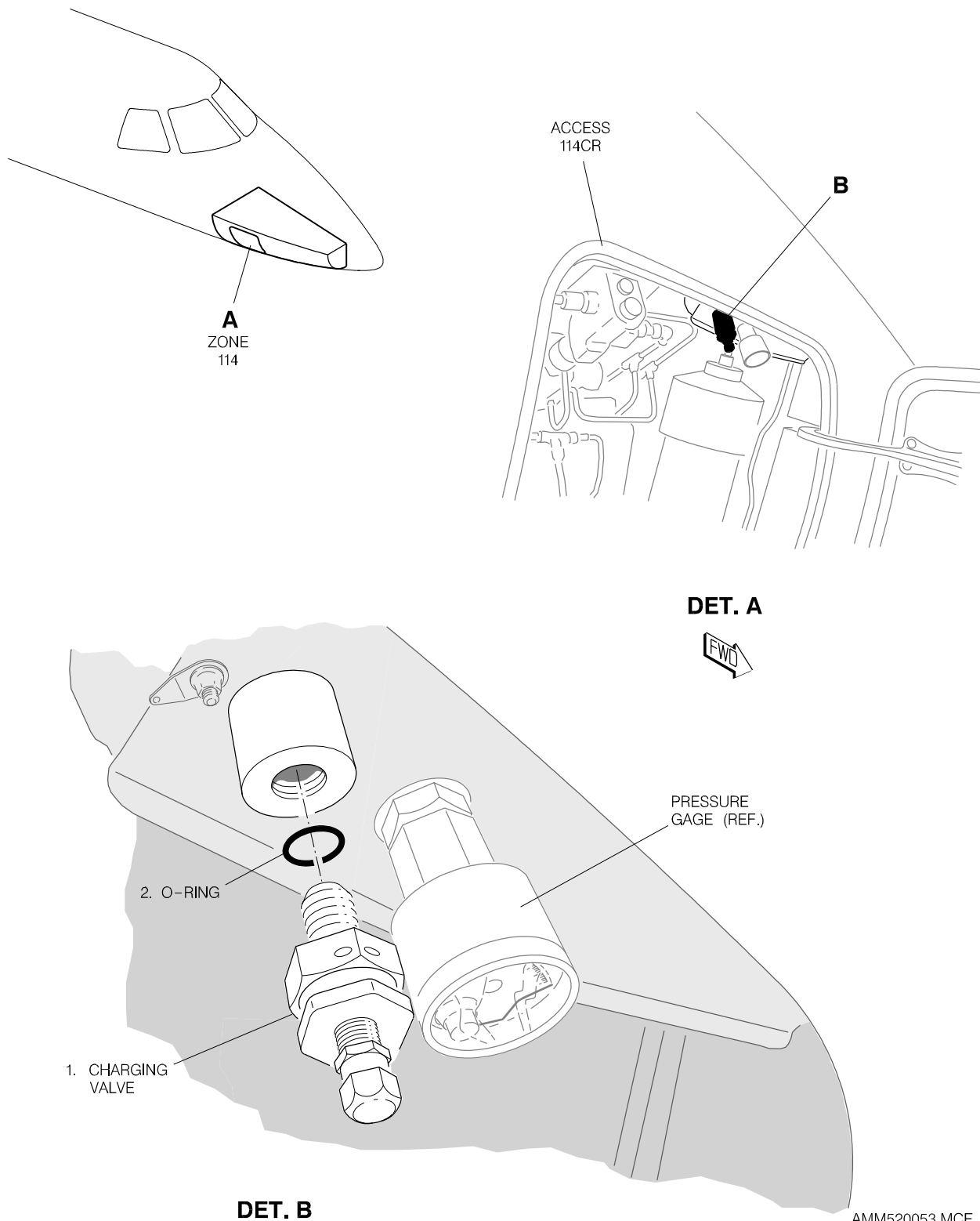
**WARNING: THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE RUBBER GOGGLES AND GLOVES. IF THE FLUID TOUCHES YOU, FLUSH YOUR SKIN WITH WATER. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL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

- (1) Remove the charging valve (1).
- (2) Remove and discard the O-ring (2).

**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**

**Charging Valve - Removal/Installation**

**Figure 401**



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

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

### 3. MAIN-DOOR ACTUATION-SYSTEM CHARGING VALVE - INSTALLATION

#### A. General

- (1) This procedure gives the instructions to install the charging valve of the hydraulic accumulator of the main-door actuation system.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 12-13-06-600-801-A/300</a>	LANDING GEAR AND MAIN DOOR ACCUMULATOR - CHARGE
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	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 (2) in the charging valve (1).
- (2) Install the charging valve (1).

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 charging valve of the hydraulic accumulator for leaks.
- (5) Close access panel 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).