



## AIRCRAFT MAINTENANCE MANUAL

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

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

#### 1. General

- A. This section gives the procedures to remove and install the emergency valve 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
52-12-11-000-801-A	MAIN-DOOR ACTUATION-SYSTEM EMERGENCY VALVE - REMOVAL	AIRCRAFT WITH AIR- STAIRS DOOR
52-12-11-400-801-A	MAIN-DOOR ACTUATION-SYSTEM EMERGENCY VALVE - INSTALLATION	AIRCRAFT WITH AIR- STAIRS DOOR



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TASK 52-12-11-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR ACTUATION-SYSTEM EMERGENCY VALVE - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223/224	222GF	Cockpit
123/124	123BL	Below the Cockpit Floor
114	114CR	Nose Hydraulic Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the Hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the Eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit, below the cockpit floor



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 222GF in the cockpit floor (AMM MPP 06-41-02/100).
- (3) Remove access panel 123BL (AMM MPP 06-41-01/100).
- (4) Open access door 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).
- (5) Totally release the pressure from the hydraulic system ([AMM TASK 29-10-00-860-802-A/200](#)).
- (6) 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.
- (7) Release the pressure from the spring accumulator. For this, do the steps below:
  - (a) Open the main-door emergency valve in the cockpit.
  - (b) Manually open and close the main door two or three times.

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

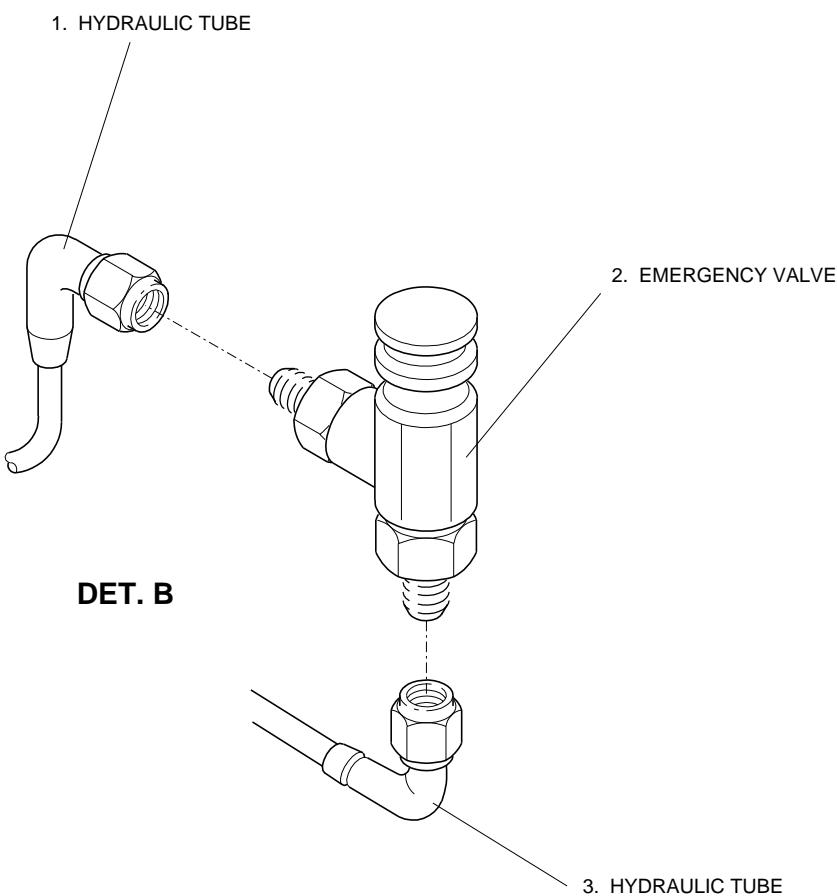
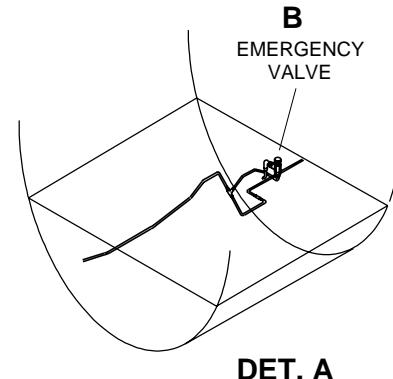
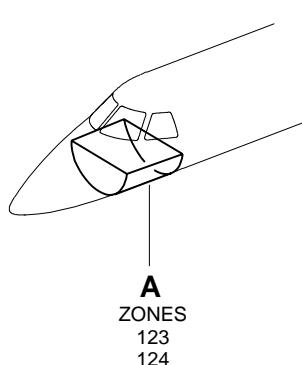
**WARNING: THE HYDRAULIC SYSTEM CONTAINS PHOSPHATE-ESTER HYDRAULIC FLUID. THE FLUID CAN CAUSE IRRITATION IN YOUR SKIN OR INJURY TO YOUR EYES. USE THE APPLICABLE RUBBER GOGGLES AND GLOVES. IF IT GETS IN YOUR EYES, FLUSH THEM WITH WATER AND GET MEDICAL HELP.**

- (1) Disconnect the hydraulic tubes (1) and (3).
- (2) Remove the emergency valve (2).

**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**

Main-Door Actuation-System Emergency Valve - Removal/Installation

Figure 401

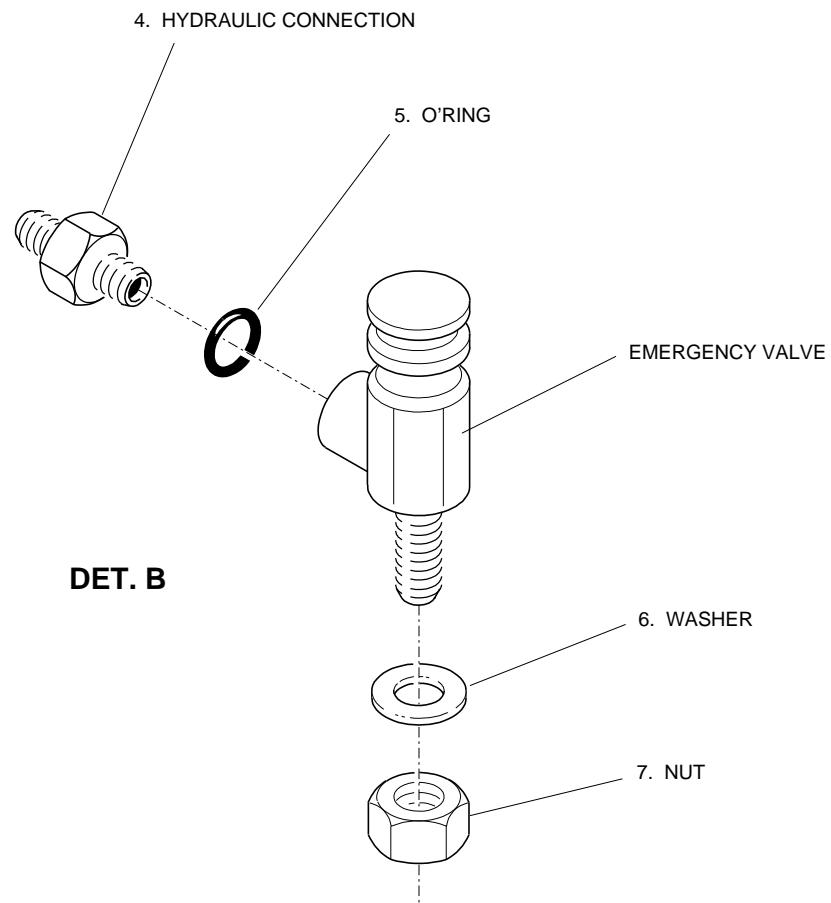
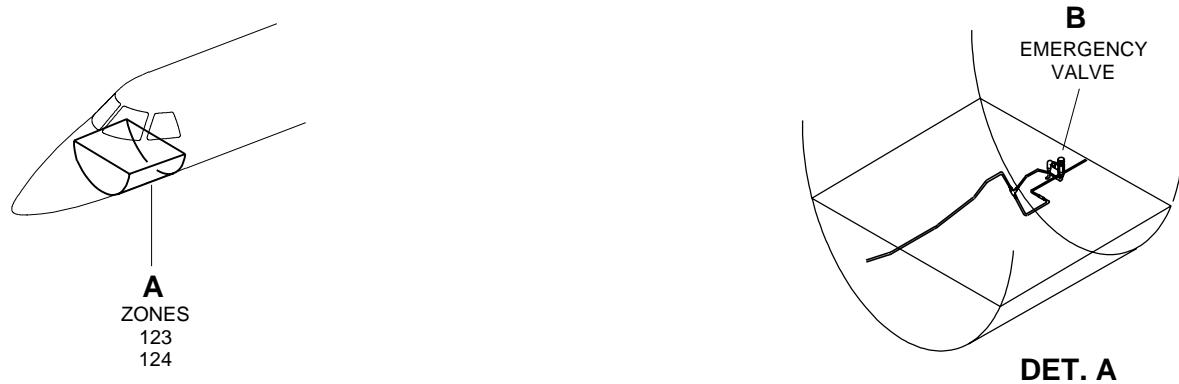


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**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**

Main-Door Actuation-System Emergency Valve - Removal/Installation

Figure 402



145AMM520018.MCE A



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TASK 52-12-11-400-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

3. MAIN-DOOR ACTUATION-SYSTEM EMERGENCY VALVE - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
<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
223/224	222GF	Cockpit
123/124	123BL	Below the cockpit floor
114	114CR	Nose hydraulic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

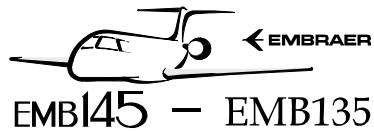
ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid-Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid-Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expendable Parts

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



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## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit, below the cockpit floor

## I. Preparation (Figure 402)

## SUBTASK 841-003-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 and keep the hydraulic connection (4).
- (2) Remove and discard the old O'ring (5).
- (3) Remove and keep the nut (7) and washer (6).
- (4) Install the new O'ring (5).
- (5) Install the hydraulic connection (4).
- (6) Install the washer (6) and nut (7).

## J. Installation (Figure 401)

## SUBTASK 420-002-A

- (1) Put the emergency valve (2) between the hydraulic tubes (1) and (3) in the cockpit.
- (2) Connect the hydraulic tubes (1) and (3).

## K. Follow-on

## SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the ELEC PUMP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) Pressurize hydraulic system 1 ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) Do a check on the hydraulic connections of the emergency valve for leaks.
- (4) Do an operational check of the main door.
- (5) Close access door 222GF in the cockpit floor (AMM MPP 06-41-02/100).
- (6) Install access panel 123BL (AMM MPP 06-41-01/100).
- (7) Close access door 114CR of the nose hydraulic compartment (AMM MPP 06-41-01/100).

