



## SHUTOFF VALVE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to remove/install the shutoff valve.
- B. The procedures for removal/installation of the shutoff valve of system 1 and system 2 are equivalent.
- C. You can get access to the shutoff valve of system 1 through access panel 193BL (AMM MPP 06-41-01/100).
- D. You can get access to the shutoff valve of system 2 through access panel 193CR (AMM MPP 06-41-01/100).
- E. 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
29-10-01-000-801-A	SHUTOFF VALVE - REMOVAL	ALL
29-10-01-400-801-A	SHUTOFF VALVE - INSTALLATION	ALL



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TASK 29-10-01-000-801-A

EFFECTIVITY: ALL

2. SHUTOFF VALVE - REMOVAL

A. General

(1) This task gives the procedures to remove the shutoff valve.

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
193	193BL	Hydraulic compartment of system 1
193	193CR	Hydraulic compartment of system 2

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
Commercially available	Drip Pan	To collect the hydraulic fluid when you remove the shutoff valve	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Hydraulic compartment of system 1 and system 2



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I. Preparation

SUBTASK 841-002-A

- (1) On the circuit breaker pane, open the ELEC PUMP 1 and (or) ELEC PUMP 2 circuit breaker(s) and attach a DO-NOT-CLOSE tag to it (them).
- (2) Depressurize the related hydraulic system ( [AMM TASK 29-10-00-860-802-A/200](#) ).
- (3) Remove access panels 193BL and (or) 193CR (AMM MPP 06-41-01/100).

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) Disconnect the electrical connector (1).
- (2) Remove the nuts (2), washers (3), and screws (4).
- (3) Move the flanges (5) apart and remove the shutoff valve (6) with the related O-rings (7).

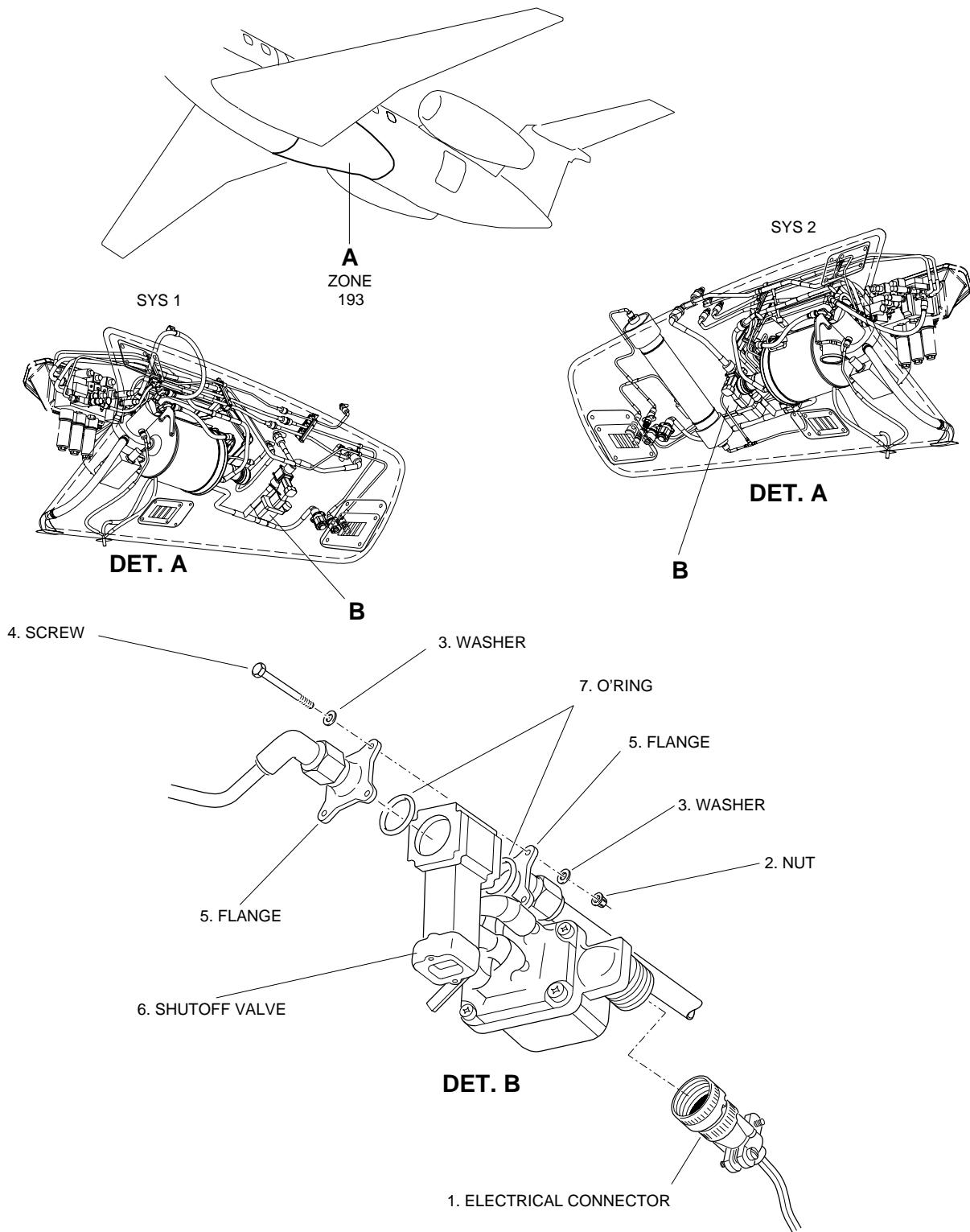
**NOTE:** If necessary, release the tubing between the flanges (5) and the hydraulic reservoir, to make easier the shutoff valve (6) removal.

- (4) Discard the O-rings (7) removed in step (3).

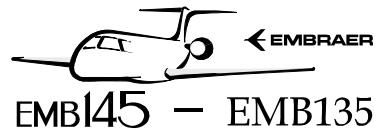
**EFFECTIVITY: ALL**

Shutoff Valve - Removal/Installation

Figure 401



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## TASK 29-10-01-400-801-A

EFFECTIVITY: ALL

3. SHUTOFF VALVE - INSTALLATION

## A. General

(1) This task gives the procedures to install the shutoff valve.

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 29-10-00-860-803-A/200	HYDRAULIC SYSTEM - BLEED OF AIR
AMM TASK 29-10-01-700-801-A/500	SHUTOFF VALVE - OPERATIONAL CHECK
IPC 29-10-01	SHUTOFF VALVE

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193BL	Hydraulic compartment of system 1
193	193CR	Hydraulic compartment of system 2

## 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 29-10-01	2/LRU

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Hydraulic compartment of system 1 and system 2



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the shutoff valve (6) with the related new O-rings (7) between the flanges (5).
- (2) Install the screws (4), washers (3), and nuts (2).
- (3) Connect the electrical connector (1).

J. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the ELEC PUMP 1 and (or) ELEC PUMP 2 circuit breaker(s) and remove the DO-NOT-CLOSE tag from it (them).
- (2) Pressurize the related hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)) and make sure that there are no leaks in the shutoff valve.
- (3) Do the bleed of air of the hydraulic system lines ([AMM TASK 29-10-00-860-803-A/200](#)).
- (4) Do the operational check of the shutoff valve ([AMM TASK 29-10-01-700-801-A/500](#)).
- (5) Install access panels 193BL and (or) 193CR (AMM MPP 06-41-01/100).