



## SHUTOFF VALVE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to do a check of the shutoff valve of hydraulic systems 1 and 2 with the hydraulic panel switch.
- 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
29-10-01-700-801-A ♦	SHUTOFF VALVE - OPERATIONAL CHECK	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 29-10-01-700-801-A

EFFECTIVITY: ALL

2. SHUTOFF VALVE - OPERATIONAL CHECK

A. General

- (1) You can operate the shutoff valve with the switch installed on the hydraulic panel or with the fire extinguishing handle.
- (2) This procedure gives the instructions to do a check of the shutoff valve with the switch installed on the hydraulic panel. The procedure to do a check with the fire extinguishing handle is given in [AMM TASK 76-20-00-700-801-A/500](#).

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-00/100	-
<a href="#">AMM SDS 23-51-00/1</a>	
<a href="#">AMM TASK 20-40-01-860-801-A/200</a>	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
<a href="#">AMM TASK 76-20-00-700-801-A/500</a>	EMERGENCY SHUTDOWN - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
193	193BL	Hydraulic SYS 1
193	193CR	Hydraulic SYS 2

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 044</a>	Headset - Ramp	To permit communication between the technicians	

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	Cockpit
1	Helps the other technician	Hydraulic system compartments 1 and 2

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panels 193BL (SYS 1) and 193CR (SYS 2) (AMM MPP 06-41-00/100).
- (2) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (3) Connect the headset to permit the communication between the mechanics ([AMM SDS 23-51-00/1](#)).

J. Operationally Check Shutoff Valve by Means of the Hydraulic Panel Switch ([Figure 501](#))

SUBTASK 710-002-A

- (1) Do the check of the shutoff valve of hydraulic system 1 as follows:
  - (a) Lift the guard of the pushbutton.
  - (b) Push the pushbutton of the shutoff valve of system 1.  
Result:
    - 1 The EICAS shows the E1 HYDSOV CLSD message.
    - 2 The lever of the shutoff valve moves to the CLOSED position.
  - (c) Push the pushbutton of the shutoff valve of system 1.  
Result:
    - 1 The advisory message E1 HYDSOV CLSD goes out of view.
    - 2 The lever of the shutoff valve moves to the OPEN position.
  - (d) Lower the guard of the pushbutton.
- (2) Do step (1) for the shutoff valve of hydraulic system 2. Now the advisory message is E2 HYDSOV CLSD.

K. Follow-on

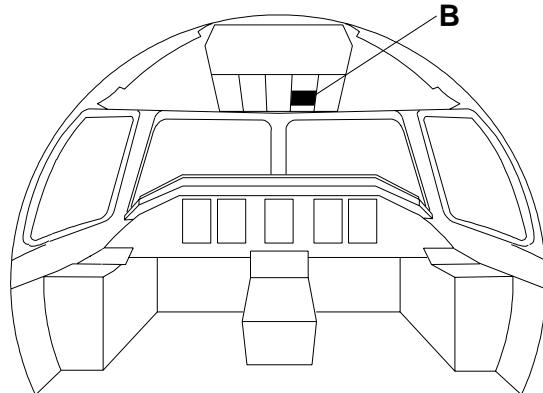
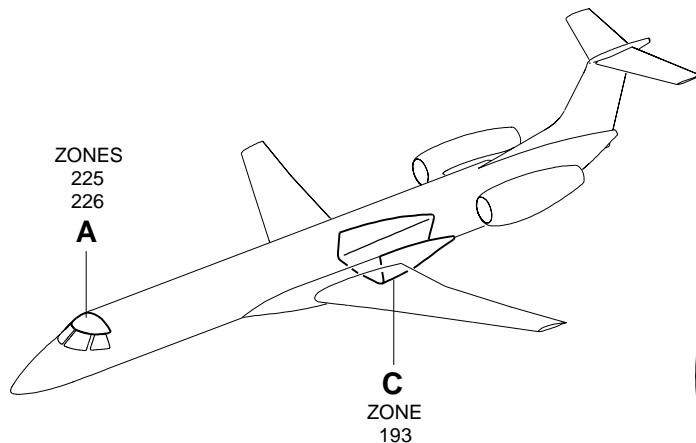
SUBTASK 842-002-A

- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Disconnect the headset ([AMM SDS 23-51-00/1](#)).
- (3) Install access panels 193BL (SYS 1) and 193CR (SYS 2) (AMM MPP 06-41-00/100).

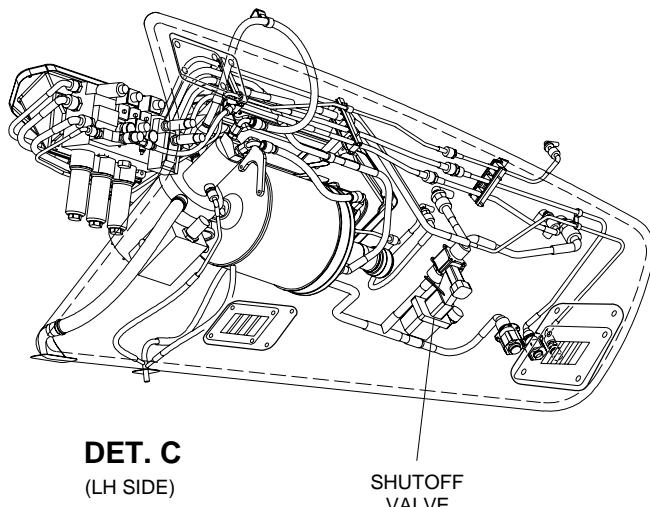
**EFFECTIVITY: ALL**

Shutoff Valve - Operational Check

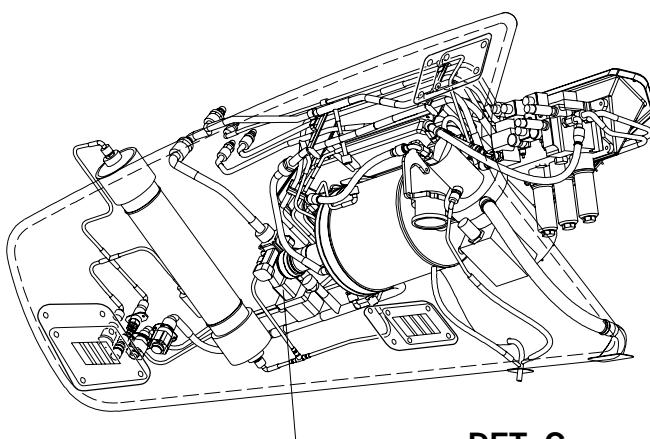
Figure 501



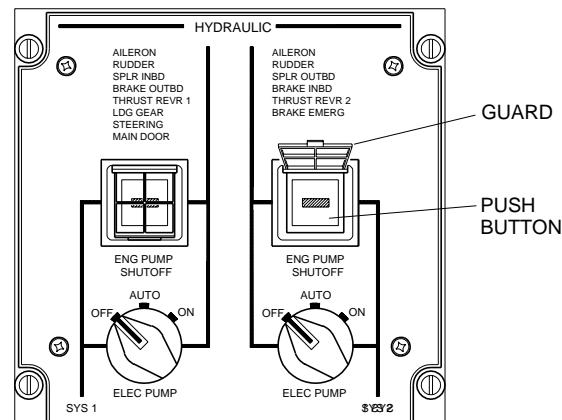
**DET. A**



**DET. C**  
(LH SIDE)



**DET. C**  
(RH SIDE)



**DET. B**

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