



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**FLAP VALVE - ADJUSTMENT/TEST**

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to do the check of the flap valves installed to wing ribs 2 and 7 (except for aircraft with wet wingstub) or to wing ribs 1 and 7 (aircraft with wet wingstub) of the fuel tank.
- 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
28-11-04-700-801-A ♦	FLAP VALVES - OPERATIONAL CHECK	ACFT WITH WET WINGSTUB
28-11-04-700-802-A ♦	FLAP VALVES - OPERATIONAL CHECK	ACFT WITH DRY WINGSTUB



# AIRCRAFT MAINTENANCE MANUAL

TASK 28-11-04-700-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

## 2. FLAP VALVES - OPERATIONAL CHECK

### A. General

- (1) Do this task during the internal inspection of the fuel tank.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM TASK 12-11-01-600-801-A/300	FUEL-TANK PRESSURE REFUELING - SERVICING
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-11-01-000-801-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-41-00-200-801-A/600	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing
192	192BR	Center lower fairing
155	155BZ	LH wing stub undersurface
156	156BZ	RH wing stub undersurface
531	531CB	LH underwing area
631	631CB	RH underwing area

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

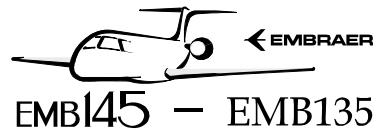
Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Fuel tanks



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I. Preparation

SUBTASK 841-002-A

- (1) Defuel the tanks ([AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Remove the access panels ([AMM MPP 06-44-00/100](#)), ([AMM MPP 06-41-01/100](#)) and ([AMM TASK 28-11-01-000-801-A/400](#)) as shown below to get access to the flap valves.
  - (a) LH fuel tank:
    - 155BZ/531CB.
  - (b) RH fuel tank:
    - 156BZ/631CB.
  - (c) Center lower fairing:
    - 192AL/192BR.

J. Manual Check of Flap Valves (Ribs 1 and 7) for Free Movement and Sealing Condition ([Figure 501](#))

SUBTASK 710-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) Do a check on the flap valves for general condition, rubber seal condition, and signs of rubber tearing and manually touch them to make sure that the hinged float moves freely.

K. Follow-on

SUBTASK 842-002-A

- (1) Do an inspection on the fuel quantity indication harness ([AMM TASK 28-41-00-200-801-A/600](#)).

**NOTE:** The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

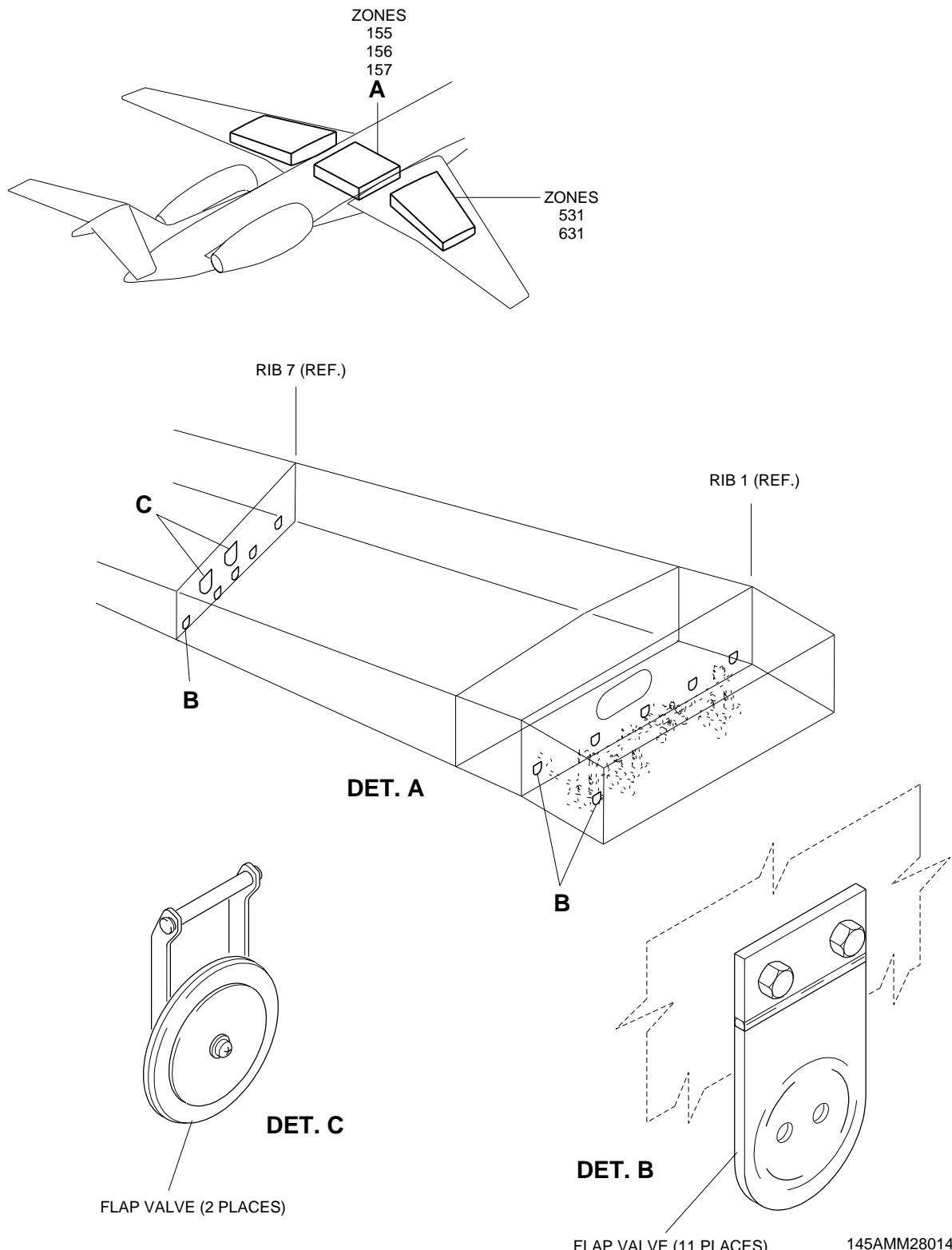
- (2) Install the access panels as shown below. Refer to ([AMM MPP 06-44-00/100](#)), ([AMM MPP 06-41-01/100](#)) and ([AMM MPP 28-11-01/400](#)).

- (a) LH fuel tank:
  - 155BZ/531CB.
- (b) RH fuel tank:
  - 156BZ/631CB.
- (c) Center lower fairing:
  - 192AL/192BR.



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- (3) Refuel the tanks ( [AMM TASK 12-11-01-600-801-A/300](#)) as applicable.
- (4) Examine the access panels which were removed for leakage. Correct as necessary.

**EFFECTIVITY: ACFT WITH WET WINGSTUB**  
**Flap Valves Check - Component Locations**  
**Figure 501**




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TASK 28-11-04-700-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

3. FLAP VALVES - OPERATIONAL CHECK

A. General

- (1) Do this task during the internal inspection of the fuel tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-44-00/100	- COMPONENT LOCATION
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 12-11-01-600-801-A/300	FUEL-TANK PRESSURE REFUELING - SERVICING
AMM TASK 12-11-01-600-802-A/300	FUEL-TANK PRESSURE DEFUELING - SERVICING
AMM TASK 28-11-01-000-802-A/400	FUEL-TANK ACCESS PANELS - REMOVAL
AMM TASK 28-11-01-400-802-A/400	FUEL-TANK ACCESS PANELS - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
531	531AB	LH underwing area
531	531CB	LH underwing area
531	531EZ	LH underwing area
631	631AB	RH underwing area
631	631CB	RH underwing area
631	631EZ	RH underwing area

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	Fuel tanks



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I. Preparation

**SUBTASK 841-003-A**

- (1) Defuel the tanks ( [AMM TASK 12-11-01-600-802-A/300](#)).
- (2) Remove the access panels ( [AMM MPP 06-44-00/100](#) ) and ( [AMM TASK 28-11-01-000-802-A/400](#) ) as shown below to get access to the flap valves.
  - (a) LH fuel tank:
    - 531AB/531CB/531EZ.
  - (b) RH fuel tank:
    - 631AB/631CB/631EZ.

J. Manual Check of Flap Valves (Ribs 2 and 7) for Free Movement and Sealing Condition ([Figure 502](#))

**SUBTASK 710-003-A**

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO THE MATERIAL.**

- (1) Do a check on the flap valves for general condition, rudder seal condition, and signs of rubber tearing and manually touch them to make sure that the hinged float moves freely.

K. Follow-on

**SUBTASK 842-003-A**

- (1) Install the access panels ( [AMM MPP 06-44-00/100](#) ) and ( [AMM TASK 28-11-01-400-802-A/400](#) ).
  - (a) LH fuel tank:
    - 531AB/531CB/531EZ.
  - (b) RH fuel tank:
    - 631AB/631CB/631EZ.
- (2) Refuel the tanks ( [AMM TASK 12-11-01-600-801-A/300](#) ) as applicable.
- (3) Examine the access panels which were removed for fuel leakage. Correct as necessary.

**EFFECTIVITY: ACFT WITH DRY WINGSTUB**

Flap Valves Check - Component Locations

Figure 502

