



AIRCRAFT MAINTENANCE MANUAL

FUEL-CROSSFEED VALVE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the check of the fuel crossfeed valve.
- 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
28-21-04-700-801-A ♦	FUEL CROSSFEED VALVE - OPERATION- AL CHECK	ACFT WITH WET WINGSTUB
28-21-04-700-802-A ♦	FUEL CROSSFEED VALVE - OPERATION- AL CHECK	ACFT WITH DRY WINGSTUB



EMB145 - EMB135

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TASK 28-21-04-700-801-A

EFFECTIVITY: ACFT WITH WET WINGSTUB

2. FUEL CROSSFEED VALVE - OPERATIONAL CHECK

A. General

- (1) This task gives the procedures to do the check of the crossfeed valve operation. This valve permits the supply of one engine with the fuel from the opposite side tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
155	155DZ	Landing gear bay
155	155EZ	Landing gear bay

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	Cockpit
1	Monitors the operation of the fuel crossfeed valve	Landing gear bay

I. Preparation

SUBTASK 841-002-A

- (1) Remove access panel 155DZ/155EZ (AMM MPP 06-41-01/100) to get access to the crossfeed valve.
- (2) Energize the aircraft with an External DC-Power Supply (AMM TASK 20-40-01-860-801-A/200).

J. Operationally Check Crossfeed Valve (Figure 501) (Figure 502)

SUBTASK 710-002-A

(1) Do the check below:

- (a) Set the XFEED switch to LOW 1 or LOW 2.

Result:

1 On the EICAS display, the “FUEL XFEED OPEN” advisory message comes into view.

2 The position indicator, on the fuel crossfeed valve, shows the open position.

- (b) Set the XFEED switch to OFF.

Result:

1 On the EICAS display, the “FUEL XFEED OPEN” advisory message goes out of view.

2 The position indicator, on the fuel crossfeed valve, shows the closed position.

K. Follow-on

SUBTASK 842-002-A

(1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

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

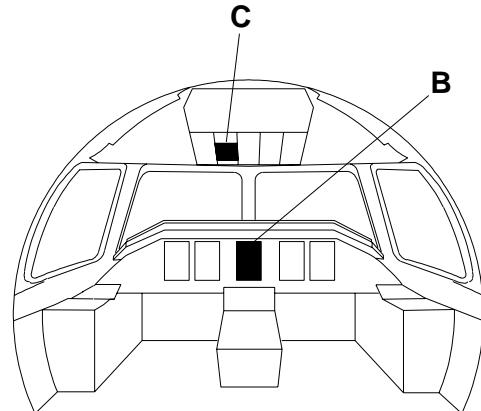
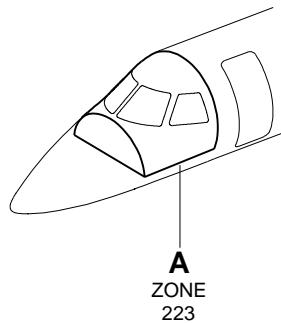
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

(3) Install access panel 155DZ/155EZ (AMM MPP 06-41-01/100 and [AMM MPP 28-11-01/400](#)).

EFFECTIVITY: ACFT WITH WET WINGSTUB

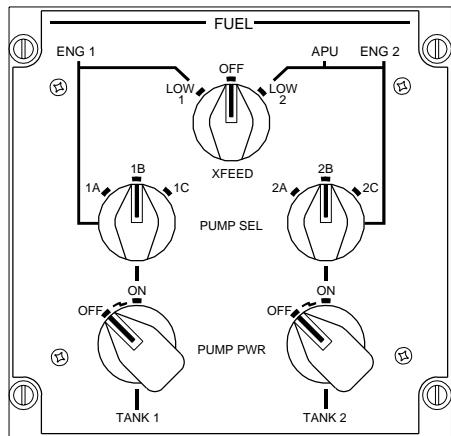
Fuel Crossfeed Valve - Controls/Indication - Component Locations

Figure 501



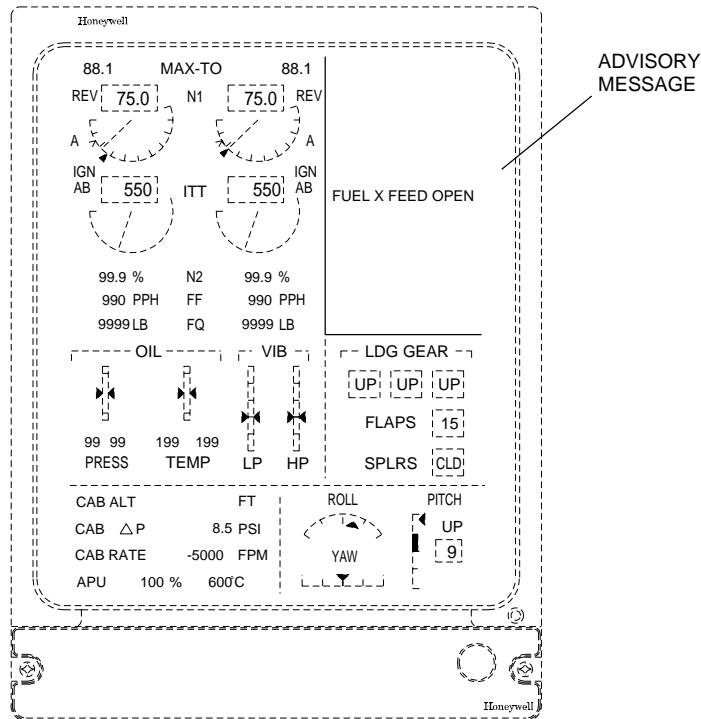
DET. A

FUEL CONTROL PANEL



DET. C

EICAS DISPLAY (REF)



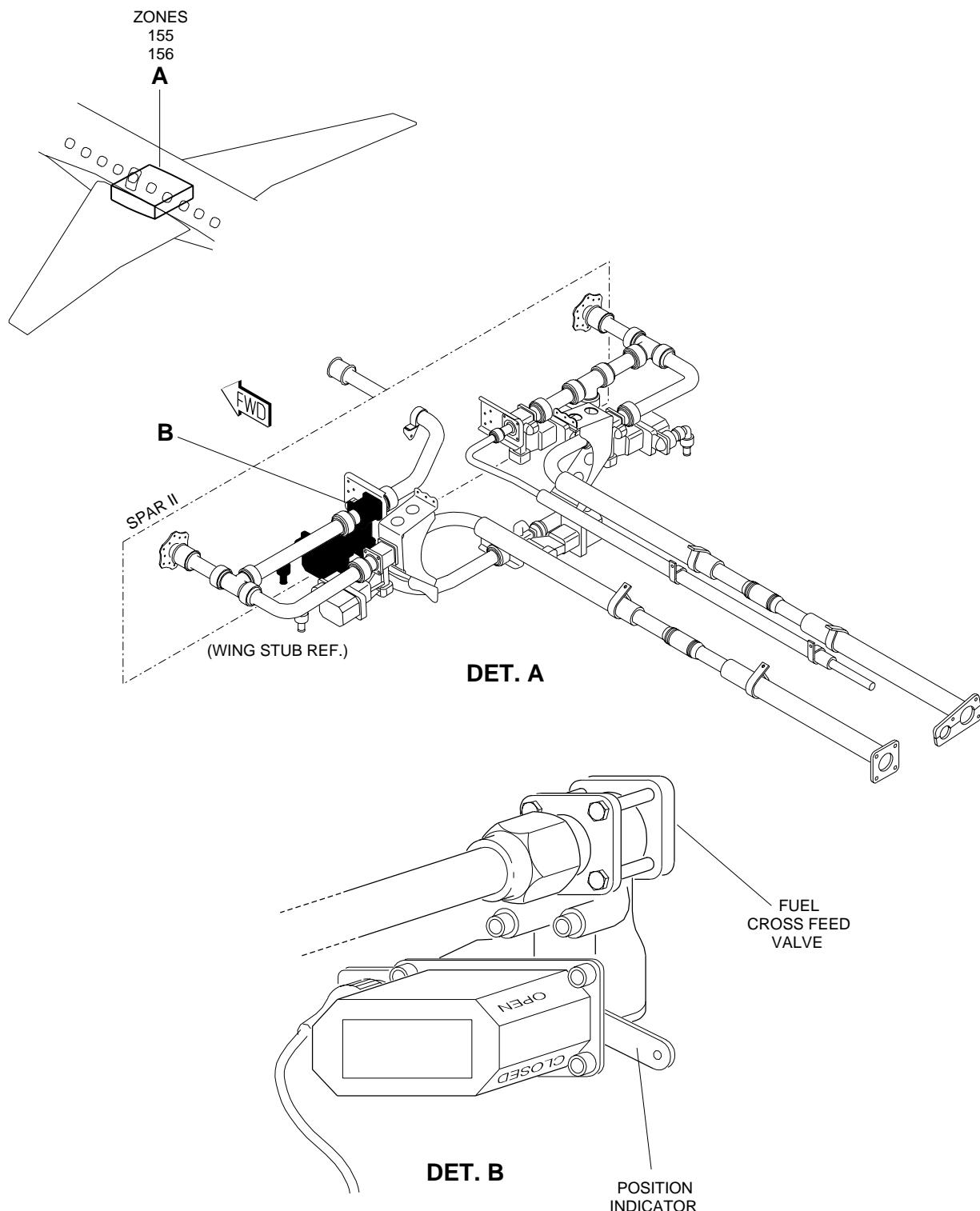
DET. B

145AMM280017.MCE A

EFFECTIVITY: ACFT WITH WET WINGSTUB

Fuel Crossfeed Valve - Controls/Indication - Component Locations

Figure 502



145AMM280137.MCE B



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TASK 28-21-04-700-802-A

EFFECTIVITY: ACFT WITH DRY WINGSTUB

3. FUEL CROSSFEED VALVE - OPERATIONAL CHECK

A. General

- (1) This task gives the procedures to do a check of the crossfeed valve operation. This valve permits the supply of one engine with the fuel from the opposite side tank.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-11-01/400	- REMOVAL/INSTALLATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
192	192AL	Center lower fairing

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	Cockpit
1	Monitors the operation of the fuel crossfeed valve	Wing stub

I. Preparation

SUBTASK 841-003-A

- (1) Remove access panel 192AL (AMM MPP 06-41-01/100) to get access to the crossfeed valve.
- (2) Energize the aircraft with an External DC-Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).



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J. Operationally Check Crossfeed Valve ([Figure 503](#)) ([Figure 501](#))

SUBTASK 710-003-A

(1) Do the check below:

- (a) Set the XFEED switch to LOW 1 or LOW 2.

Result:

1 On the EICAS display, the "FUEL XFEED OPEN" advisory message comes into view.

2 The position indicator, on the fuel crossfeed valve, shows the open position.

- (b) Set the XFEED switch to OFF.

Result:

1 On the EICAS display, the "FUEL XFEED OPEN" advisory message goes out of view.

2 The position indicator, on the fuel crossfeed valve, shows the closed position.

K. Follow-on

SUBTASK 842-003-A

- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

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

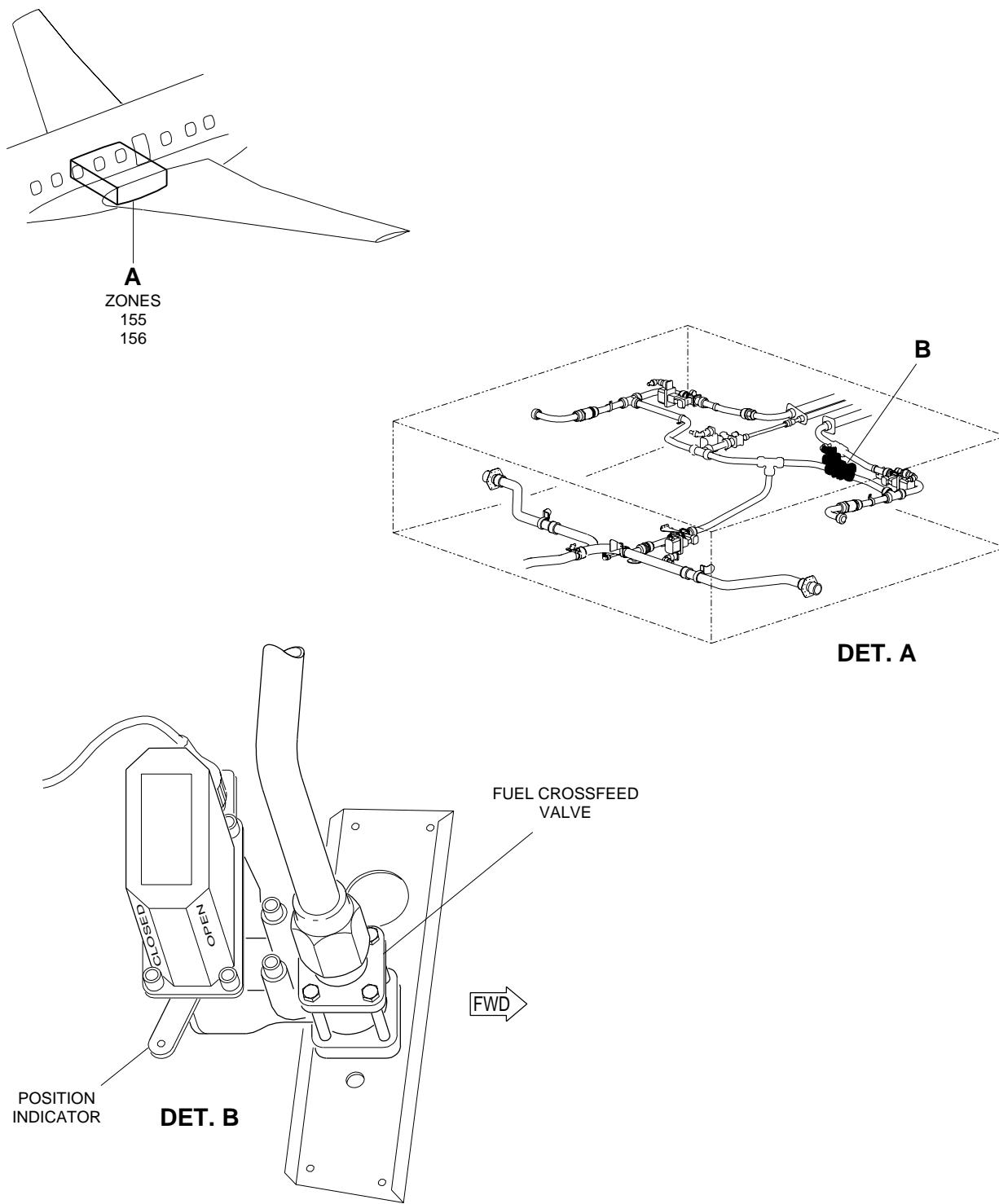
NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (3) Install access panel 192AL (AMM MPP 06-41-01/100 and [AMM MPP 28-11-01/400](#)).

EFFECTIVITY: ACFT WITH DRY WINGSTUB

Fuel Crossfeed Valve - Controls/Indication - Component Locations

Figure 503



145AMM280014.MCE B