

Project No: **BDHRN002**Job Card No **0132**

Notif.No.: 10049041

Activity: **1001**

Rev No: 20000622

Model.: F900EX

Sheet 1 of 1

A/C Regn: **D-AHRN**

Serial No.: 096

Type: F900EX

Starting Phase: Functions

Starting Work Centre: FALCON A/C TEAM

Job Description: **OPC Crossfeed Units**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 28

Check Type: 2A CHECK

Work Center	
FALCON A/C	

Zone: 100,200**Access Required for this task:**

160AB,184AB,PAX

Corrective Action

0001	Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.					 Order: 80069258 Operation: 0010 Phase: Functions - scheduling activity Work Center:FALCON A/C TEAM
	Accomplished		Inspected			
	Pers. No.	Date	Pers. No.	Date		
	Stamp		Stamp			

Completed & Confirmed on SAP IAW MOE 2.13.

Defect Card Raised

Components Removed/Installed

	Part Number	Part Name	S/N	Location	Comm. Off/On
OFF					
ON					
OFF					
ON					
OFF					
ON					
OFF					
ON					

Occurance Report Raised? YES ☐

Operations Above & Notifications Completed IAW MOE 2.13.

OEM Code: 28-21-25-710-801

Operator Code: 28-21-25-710-801-01

Form No: JA-SAP-MTX-002

Printed by: ADAMOVIC G



Printed: 03.09.2012

13:34:17

Print No: 1

Operator: **HERON AVIATION**

Work Card No.: **28.315**

Serial No.: **096**

Model: **FALCON 900EX**

PKG # 2 2A INSPECTION

Reg No.: **D-AHRN**

Workorder No.: _____

	Date	A/C HRS	AFL	APH			
Due At	25-NOV-2012	4410:47					
Accomplished							

TECHNICIAN SIGNATURE: _____ KIND OF CERTIFICATE & NO.: _____

INSPECTED BY: _____ KIND OF CERTIFICATE & NO.: _____

TECH	INSP	LABOR-HRS HRS.MINS
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**>28-21-25-710-801- OPERATIONAL TEST OF THE CROSSFEED UNITS
01**

REMARKS : _____

AMM 28-21-25-710-801

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TASK 28-21-25-710-801 OPERATIONAL TEST OF THE CROSSFEED UNITS

1. OVERVIEW OF THE JOB

Operation code: 28-21-25-710-801-01

NOTE 1: This procedure can not be performed with empty tanks. If necessary, perform a partial refueling (Refer to **TASK 28-50-00-650-801**, paragraph "Full or Partial Refueling").

NOTE 2: NOTE: Two operators are required to perform the tests:

- one operator in the cockpit,
- one operator on the ground.

2. LOGISTICS

A. References

Reference	Designation
• 24-00-00-860-801	ENERGIZATION / DE-ENERGIZATION OF THE AIRCRAFT
• 28-50-00-650-801	PRESSURE REFUELING
• 71-00-00-910-805	WET AND DRY MOTORING

B. Energy

- ELECTRICAL

C. Access

Reference	Designation
• PAX	PASSENGER DOOR
• 160AB	FUEL EQUIPMENT BAY DOOR
• 184AB	FUELING CONNECTOR ACCESS DOOR

D. Miscellaneous

- DRAIN CONTAINER (LOCAL MANUFACTURE)

3. PRELIMINARY STEPS

Refer to **fig. 1** and **fig. 2**

- Open refueling connector door (**184AB**).
- Depressurize the fuel tanks as follows:
 - Through door (**184AB**), raise vent valve control lever.
 - Wait a few seconds for the tanks to depressurize (hissing noise).
- Though door (**184AB**), lower vent valve control lever.
- Close pressure refueling door (**184AB**).

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- E. Open door (**160AB**).
- F. Install a drain container under the manual gravity defueling valve of central LP crossfeed unit (**M32WB**).
- G. Open the gravity defueling cap located at the end of the gravity defueling line (2).
- H. On overhead panel, check that "FUEL-BOOSTER" ENG 1 switch (**L4QN**), "FUEL-BOOSTER" ENG 2 selector switch (**M4QN**) and "FUEL-BOOSTER" ENG 3 switch (**R4QN**) are set to OFF position (switches to down position).
- I. Connect the electrical ground power unit (Refer to **TASK 24-00-00-860-801**, paragraph "Connection of the Electrical Ground Power Unit").
- J. Energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "Energization with the Electrical Ground Power Unit").

4. TESTS

Refer to **fig. 1** and **fig. 2**

- A. Check of LH LP crossfeed unit (**L32WB**)
 - (1) Turn "X-BP" 1-2 crossfeed selector switch (**L2QA**) to the open position (line in horizontal position).
 - (2) Check that amber "X-BP" 1-2 light (**L5QA**) illuminates.
 - (3) Through door (**160AB**), check that LH LP crossfeed unit (**L32WB**) opens by checking that the associated lever is on the "O" position (Open).
 - (4) Turn "X-BP" 1-2 crossfeed selector switch (**L2QA**) to the closed position (line in vertical position).
 - (5) Check that amber "X-BP" 1-2 light (**L5QA**) extinguishes.
 - (6) Through door (**160AB**), check that LH LP crossfeed unit (**L32WB**) closes by checking that the associated lever is on the "C" position (Closed).
- B. Check of RH LP crossfeed unit (**R32WB**)
 - (1) Turn "X-BP" 2-3 crossfeed selector switch (**R2QA**) to the open position (line in horizontal position).
 - (2) Check that amber "X-BP" 2-3 light (**R5QA**) illuminates.
 - (3) Through door (**160AB**), check that RH LP crossfeed unit (**R32WB**) opens by checking that the associated lever is on the "O" position (Open).
 - (4) Turn "X-BP" 2-3 crossfeed selector switch (**R2QA**) to the closed position (line in vertical position).
 - (5) Check that amber "X-BP" 2-3 light (**R5QA**) extinguishes.
 - (6) Through door (**160AB**), check that RH LP crossfeed unit (**R32WB**) closes by checking that the associated lever is on the on "C" position (Closed).
- C. Check the self-holding function of LP 1-3 booster crossfeed valve (**R26QA**) with No. 1 and No. 3 LP pumps (**L3QN**)/(**R3QN**) running
 - (1) Check that amber "FUEL 3" warning light (**2WW26**) is illuminated on warning panel (**2WW**).

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If it is not, drop the pressure in the supply system of engine No. 3 as follows:

- (a) Make sure that the "FUEL SHUT OFF" 3 is open (on fire control panel (2WB), check that Engine N°3 "FUEL SHUT OFF" switch (2WB15) is on NORMAL position (guard and switch lowered)).
- (b) Turn "X-BP" 2-3 crossfeed selector switch (R2QA) to the open position (line in horizontal position).
- (c) Check that amber "X-BP" 2-3 light (R5QA) illuminates.
- (d) Using control lever (1), slightly and gradually open the manual gravity defueling valve of central LP crossfeed unit (M32WB) until the amber "FUEL 3" warning light (2WW26) illuminates on warning panel (2WW).
- CAUTION: IF YOU CREATE A VACUUM IN THE ENGINE FUEL SUPPLY LINE, IT IS NECESSARY TO PERFORM A WET MOTORING (REFER TO TASK 71-00-00-910-805) BEFORE STARTING THE APPLICABLE ENGINE.**
- (e) As soon as the amber "FUEL 3" warning light (2WW26) is illuminated on warning panel (2WW), close the manual gravity defueling valve of central LP crossfeed unit (M32WB) by setting the control lever (1) to CLOSED position.
- (f) Turn "X-BP" 2-3 crossfeed selector switch (R2QA) to the closed position (line in vertical position).
- (g) Check that amber "X-BP" 2-3 light (R5QA) extinguishes.
- (2) Turn "X-BP" 1-3/3-1 crossfeed selector switch (22QA) to the open position (line in horizontal position).
- (3) Check that amber "X-BP" 1-3 light (27QA) illuminates.
- (4) Through door (160AB), check that LP 1-3 booster crossfeed valve (R26QA) opens by checking that the associated lever is on the "O" position (Open).
- (5) On fire control panel (2WB), set engine No. 3 "FUEL SHUT OFF" switch (2WB15) to CLOSED position (guard and switch up).
- (6) Set "FUEL-BOOSTER" ENG 1 switch (L4QN) to "ON" position (switch to up position), then wait for more than 10 sec.
- (7) Check that amber "FUEL 3" warning light (2WW26) remain illuminated on warning panel (2WW).
- (8) Set "FUEL-BOOSTER" ENG 3 switch (R4QN) to ON position (switch set to up position).
- (9) On fire control panel (2WB), set engine No. 3 "FUEL SHUT OFF" switch (2WB15) to NORMAL position (guard and switch down).
- (10) Check that "FUEL 3" warning light (2WW26) is extinguished on warning panel (2WW).
- (11) Through door (160AB), do the following operations:
 - (a) Check that LP 1-3 booster crossfeed valve (R26QA) remains open by checking that the associated lever is in the "O" position (Open).
 - (b) Check that LP 3-1 booster crossfeed valve (L26QA) remains closed, by checking that the associated lever is on the "C" position (Closed).
- (12) Set "FUEL-BOOSTER" ENG 1 switch (L4QN) to OFF position (switch to down position).
- (13) Through door (160AB), do the following operations:

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- (a) Check that LP 1-3 booster crossfeed valve (**R26QA**) closes by checking that the associated lever is on the "C" position (Closed).
- (b) Check that LP 3-1 booster crossfeed valve (**L26QA**) opens by checking that the associated lever is on the "O" position (Open).
- (14) Set "FUEL-BOOSTER" ENG 3 switch (**R4QN**) to OFF position (switch to down position).
- (15) Turn "X-BP" 1-3/3-1 crossfeed selector switch (**22QA**) to the closed position (line in vertical position).
- (16) Check that amber "X-BP" 1-3 light (**27QA**) extinguishes.
- (17) Through door (**160AB**), check that LP 3-1 booster crossfeed valve (**L26QA**) closes by checking that the associated lever is on the "C" position (Closed).
- D. Check the self-holding function of LP 1-3 booster crossfeed valve (**R26QA**) with No. 3 LP pump not running
 - (1) Drop the pressure in the supply system of engine No. 3 as follows
 - (a) Turn "X-BP" 2-3 crossfeed selector switch (**R2QA**) to the open position (line in horizontal position).
 - (b) Check that amber "X-BP" 2-3 light (**R5QA**) illuminates.
 - (c) Using control lever (1), slightly and gradually open the manual gravity defueling valve of central LP crossfeed unit (**M32WB**) until the amber "FUEL 3" light (**2WW26**) illuminates on warning panel (**2WW**).
 - CAUTION: IF YOU CREATE A VACUUM IN THE ENGINE FUEL SUPPLY LINE, IT IS NECESSARY TO PERFORM A WET MOTORING (REFER TO TASK 71-00-00-910-805) BEFORE STARTING THE APPLICABLE ENGINE.**
 - (d) As soon as the amber "FUEL 3" light (**2WW26**) is illuminated on warning panel (**2WW**), close the manual gravity defueling valve of central LP crossfeed unit (**M32WB**) by setting the control lever (1) to CLOSED position.
 - (e) Turn "X-BP" 2-3 crossfeed selector switch (**R2QA**) to the closed position (line in vertical position).
 - (2) Turn "X-BP" 1-3/3-1 crossfeed selector switch (**22QA**) to the open position (line in horizontal position).
 - (3) Check that amber "X-BP" 1-3 light (**27QA**) illuminates.
 - (4) Through door (**160AB**), check that LP 1-3 booster crossfeed valve (**R26QA**) opens by checking that the associated lever is on the "O" position (Open).
 - (5) On fire control panel (**2WB**), set engine No. 3 "FUEL SHUT OFF" switch (**2WB15**) to CLOSED position (guard and switch up).
 - (6) Set "FUEL-BOOSTER" ENG 1 switch (**L4QN**) to ON position (switch to up position), then wait for more than 10 sec.
 - (7) Check that amber "FUEL 3" warning light (**2WW24**) is illuminated on warning panel (**2WW**).
 - (8) Set "FUEL-BOOSTER" ENG 3 switch (**R4QN**) to "ON" position (switch set to up position).

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- (9) On fire control panel (**2WB**), set engine No. 3 "FUEL SHUT OFF" switch (**2WB15**) to NORMAL position (guard and switch down).
- (10) Check that amber "FUEL 3" light (**2WW26**) is extinguished on warning panel (**2WW**).
- (11) Through door (**160AB**), do the following operations:
 - (a) Check that LP 1-3 booster crossfeed valve (**R26QA**) remains open by checking that the associated lever is on the "O" position (Open).
 - (b) Check that LP 3-1 booster crossfeed valve (**L26QA**) remains closed by checking that the associated lever is on the "C" position (Closed).
- (12) Set "FUEL-BOOSTER" ENG 3 switch (**R4QN**) to OFF position (switch to down position).
- (13) Through door (**160AB**), do the following operations:
 - (a) Check that LP 1-3 booster crossfeed valve (**R26QA**) remains open by checking that the associated lever is on the "O" position (Open).
 - (b) Check that LP 3-1 booster crossfeed valve (**L26QA**) remains closed by checking that the associated lever is on the "C" position (Closed).
- (14) Set "FUEL-BOOSTER" ENG 1 switch (**L4QN**) to OFF position (switch to down position).
- (15) Through door (**160AB**), do the following operations:
 - (a) Check that LP 1-3 booster crossfeed valve (**R26QA**) remains open by checking that the associated lever is on the "O" position (Open).
 - (b) Check that LP 3-1 booster crossfeed valve (**L26QA**) remains closed by checking that the associated lever is on the "C" position (Closed).
- (16) Set "FUEL-BOOSTER" ENG 3 switch (**R4QN**) to ON position (switch set to up position).
- (17) Through door (**160AB**), do the following operations:
 - (a) Check that LP 1-3 booster crossfeed valve (**R26QA**) closes by checking that the associated lever is on the "C" position (Closed).
 - (b) Check that LP 3-1 booster crossfeed valve (**L26QA**) opens by checking that the associated lever is on the "O" position (Open).
- (18) Turn "X-BP" 1-3/3-1 crossfeed selector switch (**22QA**) to the closed position (line in vertical position).
- (19) Check that "X-BP" 1-3 light (**27QA**) extinguishes.
- (20) Through door (**160AB**), check that LP 3-1 booster crossfeed valve (**L26QA**) closes by checking that the associated lever is on the "C" position (Closed).
- (21) Set "FUEL-BOOSTER" ENG 3 switch (**R4QN**) to OFF position (switch to down position).

5. FINAL STEPS

- A. De-energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "De-Energization with the Electrical Ground Power Unit").
- B. Disconnect the electrical ground power unit (Refer to **TASK 24-00-00-860-801**, paragraph "Disconnection of the Electrical Ground Power Unit").

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- C. Close the gravity defueling cap located at the end of the gravity defueling line (2).
- D. Remove the drain container.
- E. Close door (**160AB**).

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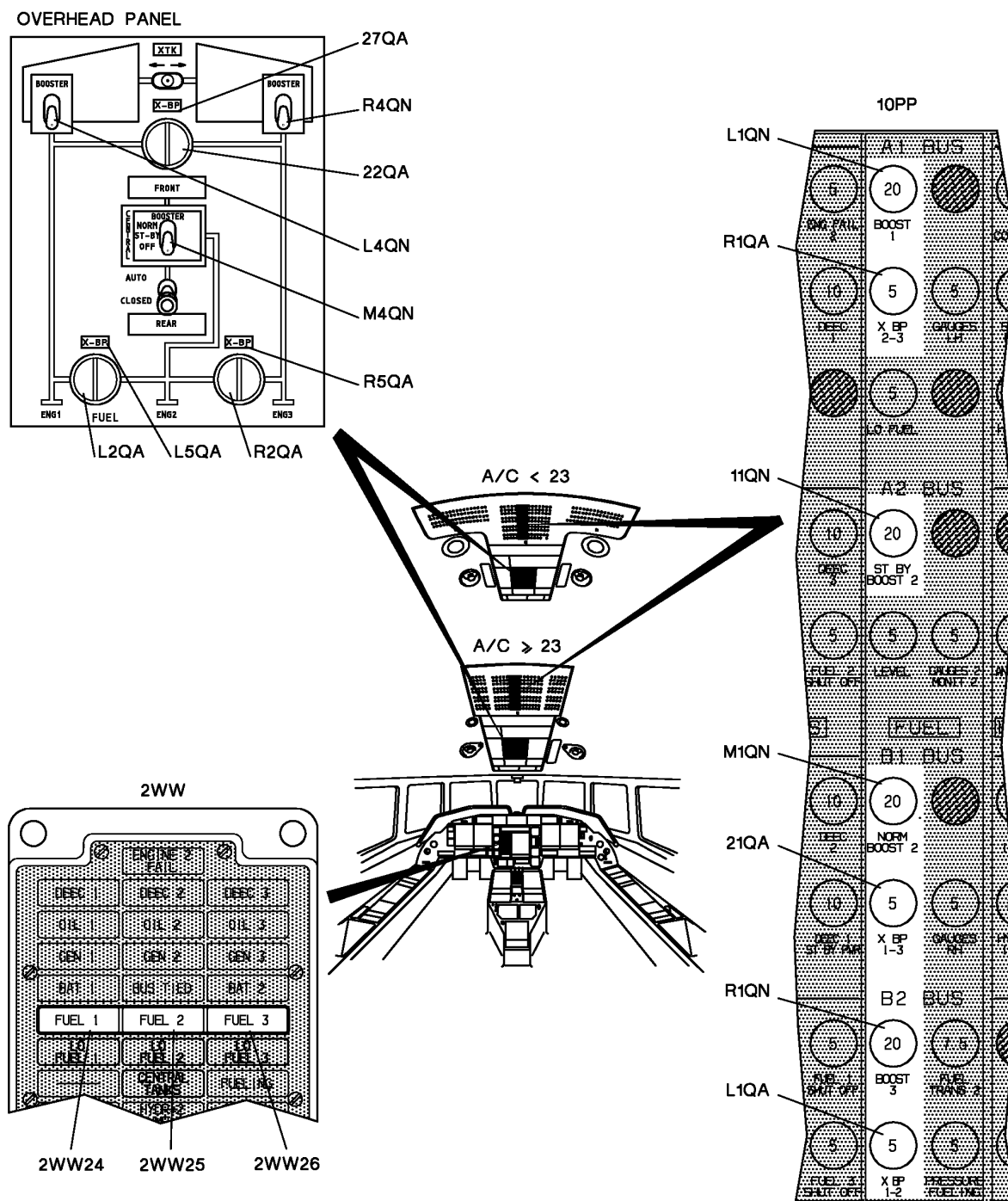


Figure 1: Cockpit Controls and Indicating Devices

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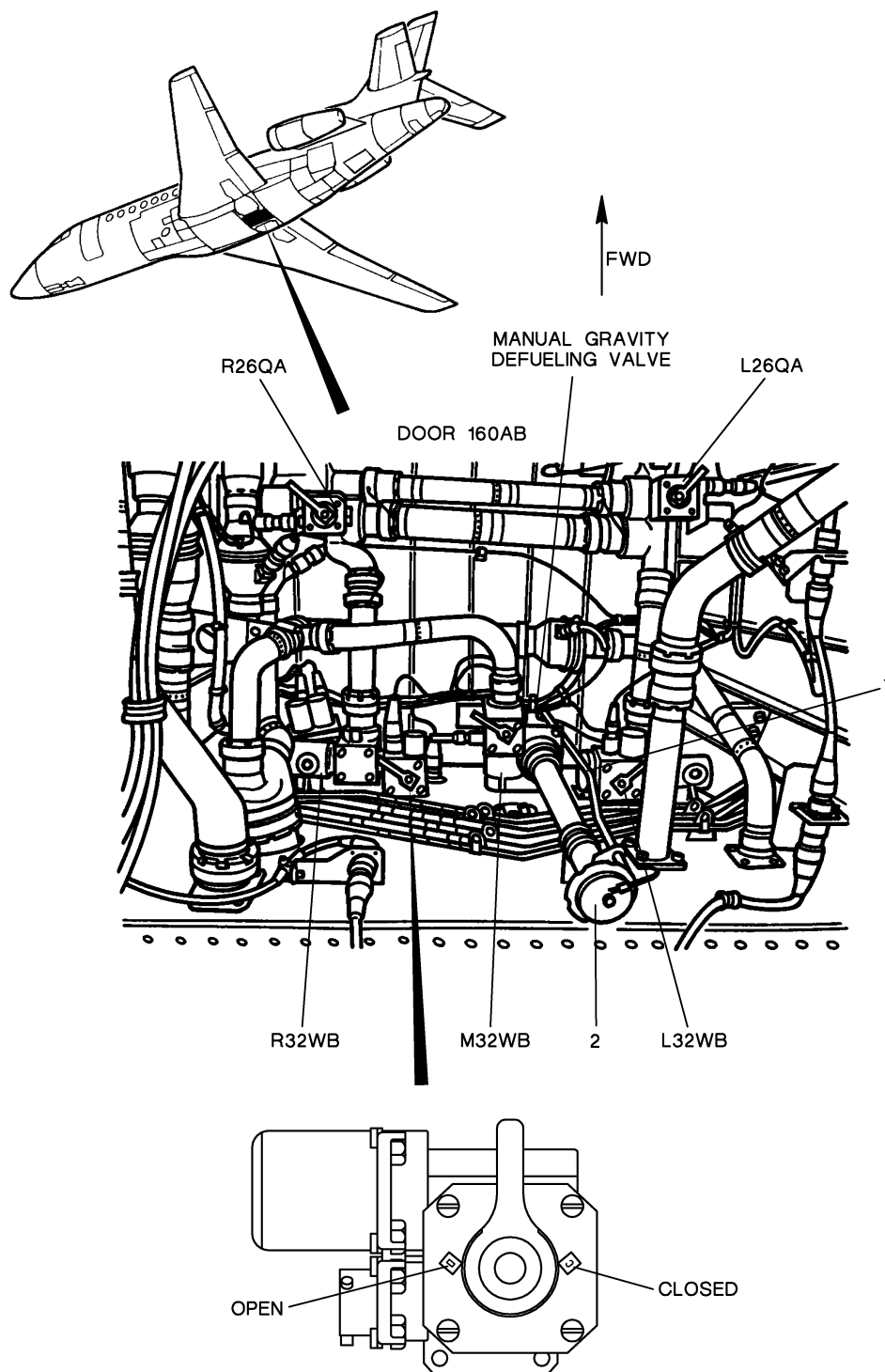


Figure 2: Location of Crossfeed Valves