

Project No: **BDHRN002**Job Card No **0027**

Notif.No.: 10049048

Activity: **1001**

Rev No: 20000622

Model.: F900EX

Sheet 1 of 2

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

Serial No.: 096

Type: F900EX

Starting Phase: Inspect

Starting Work Centre: FALCON A/C TEAM

Job Description: **GVI Engine 2 Nacelle**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 54

Check Type: 2A CHECK

| Work Center  |  |
|--------------|--|
| FALCON A/C   |  |
| MTX CLEANERS |  |
|              |  |
|              |  |
|              |  |

**Zone: 300****Access Required for this task:**

454A,454AB,455AL,456AR

## Corrective Action

|  |   |      |           |      |  |   |
|--|---|------|-----------|------|--|---|
| 0001                                       | <b>Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.</b> |      |           |      |  | <br>Order: 80069280<br>Operation: 0010<br>Phase: Inspect - scheduling activity<br>Work Center:FALCON A/C TEAM |
|  | Accomplished  |      | Inspected |      |  |   |
|  | Pers. No.   | Date | Pers. No. | Date |  |   |
|  | Stamp   |      | Stamp     |      |  |   |
| Completed & Confirmed on SAP IAW MOE 2.13. |   |      |           |      |  |   |
| 0002                                       | <b>Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.</b> |      |           |      |  | <br>Order: 80069280<br>Operation: 0020<br>Phase: Inspect - scheduling activity<br>Work Center:MTX CLEANERS    |
|  | 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.<br>Off/On |
|-----|-------------|-----------|-----|----------|-----------------|
| OFF |             |           |     |          |                 |
| ON  |             |           |     |          |                 |
| OFF |             |           |     |          |                 |
| ON  |             |           |     |          |                 |

OEM Code: 54-00-00-210-811

Form No: JA-SAP-MTX-002

Operator Code: 54-00-00-210-811-01

Printed by: ADAMOVIC G



Printed: 03.09.2012

13:34:17

Print No: 1

Project No: **BDHRN002**

Job Card No **0027**

Notif.No.: 10049048



Activity: **1001**

Rev No: 20000622

Model.: F900EX

Sheet 2 of 2

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

Serial No.: 096

Type: F900EX

Starting Phase: Inspect

Starting Work Centre: FALCON A/C TEAM

Job Description: **GVI Engine 2 Nacelle**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 54

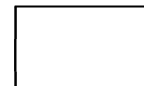
Check Type: 2A CHECK

| Work Center  |  |
|--------------|--|
| FALCON A/C   |  |
| MTX CLEANERS |  |
|              |  |
|              |  |
|              |  |

|     |  |  |  |  |  |
|-----|--|--|--|--|--|
| OFF |  |  |  |  |  |
| ON  |  |  |  |  |  |
| OFF |  |  |  |  |  |
| ON  |  |  |  |  |  |

Occurance Report Raised? YES ☐

Operations Above & Notifications Completed IAW MOE 2.13.



OEM Code: 54-00-00-210-811

Operator Code: 54-00-00-210-811-01

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.: **54.0301**  
 Serial No.: **096** Model: **FALCON 900EX** **PKG # 2 2A INSPECTION**  
 Reg No.: **D-AHRN** Workorder No.: \_\_\_\_\_

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

TECHNICIAN SIGNATURE: \_\_\_\_\_ KIND OF CERTIFICATE & NO.: \_\_\_\_\_

INSPECTED BY: \_\_\_\_\_ KIND OF CERTIFICATE & NO.: \_\_\_\_\_

|      |      |                       |
|------|------|-----------------------|
| TECH | INSP | LABOR-HRS<br>HRS.MINS |
|------|------|-----------------------|

**>54-00-00-210-811- GENERAL VISUAL INSPECTION OF THE NO.2 ENGINE  
01 NACELLE**

REMARKS : \_\_\_\_\_

AMM 54-00-00-210-811

## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

### TASK 54-00-00-210-811 GENERAL VISUAL INSPECTION OF THE ENGINE 2 NACELLE

**CAUTION:** THE PRESENCE OF A CRACK ENTAILS SYSTEMATIC REPAIR.

- IF A CRACK IS FOUND ON A RIVET, REPLACE IT (REFER TO [SRM 51-40-04](#)).
- IF A CRACK IS FOUND ON THE SKIN, CONTACT THE MANUFACTURER.

#### 1. OVERVIEW OF THE JOB

Operation code: 54-00-00-210-811-01

#### 2. LOGISTICS

##### A. References

| Reference                          | Designation                                       |
|------------------------------------|---|
| • <a href="#">20-31-00-100-804</a> | CLEANING OF THE WING AND AIR INTAKE LEADING EDGES |
| • <a href="#">20-31-00-350-801</a> | POLISHING OF WING AND AIR INTAKE LEADING EDGES    |
| • <a href="#">20-50-00-300-801</a> | TREATMENT OF SCRATCHES ON CLADDED SKINS           |
| • <a href="#">20-60-00-370-803</a> | APPLICATION OF PU66 CELOMER PAINT SCHEME          |
| • <a href="#">54-11-09-900-801</a> | REMOVAL / INSTALLATION OF THE ENGINE 2 COWLINGS   |
| • <a href="#">77-20-13-790-801</a> | LEAK TEST OF THE PT2 LINES                        |

##### B. Tools and Ground Support Equipment

| Reference                       | Designation | Quantity |
|---------------------------------|-------------|----------|
| • <a href="#">F7XC202000008</a> | TOOL BOX    |          |

##### C. Ingredients and Consumable Products

| Designation                                       | Additional designation |
|---|------------------------|
| • <a href="#">CLEANER</a>                         | MULTIPURPOSE           |
| • <a href="#">TOP COAT PU66</a>                   |                        |
| • <a href="#">POLISH</a>                          | AA 59318               |
| OR <a href="#">WHITE POLISHING PASTE NU-SHINE</a> |                        |

##### D. Access

| Reference               | Designation                           |
|-------------------------|---------------------------------------|
| • <a href="#">454AB</a> | ENGINE 2 AFTERBODY LOWER ACCESS PANEL |
| • <a href="#">455AL</a> | ENGINE 2 LH COWLING                   |
| • <a href="#">456AR</a> | ENGINE 2 RH COWLING                   |
| • <a href="#">454A</a>  | ENGINE 2 AFTERBODY                    |

##### E. Miscellaneous

- STEPLADDER (LOCAL PROCUREMENT)
- COTTON CLOTH (LOCAL PROCUREMENT)
- ABEL AUTO PAD (LOCAL PROCUREMENT)
- ANGULAR POLISHER RUPES LH22E OR EQUIVALENT (LOCAL PROCUREMENT)
- MINI POLISHER RUPES LH16E OR EQUIVALENT (LOCAL PROCUREMENT)

## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

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### 3. PRELIMINARY STEPS

- A. Remove door (**454AB**).

### 4. STRUCTURE

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

- A. Check each inspected element for corrosion, shocks, traces of impact, cracks and scratches.

B. Nacelles

- (1) Check nacelle external skins for the following:
  - (a) Paint condition.
  - (b) Missing and loose rivets.
- (2) On air intake leading edge:
  - (a) Perform the cleaning (Refer to **TASK 20-31-00-100-804**).
  - (b) Check for erosion and scratches (Refer to **TASK 20-50-00-300-801**).
  - (c) Restore the protection by polishing (Refer to **TASK 20-31-00-350-801**).
- (3) Check the S-duct upper section internal skin.
  - (a) On the inner skin paint coat:
    - 1 If corrosion is found, refer to SRM (Refer to **SRM 51-10-02**).
    - 2 If the protective paint is damaged or after corrosion treatment, renew the **top coat PU66** paint scheme (Refer to **TASK 20-60-00-370-803**).
- (4) Check that the anti-icing air exhaust louvers of the air intake and engine compartment ventilation duct are not obstructed or damaged.
- (5) Check flushness of cowlings with respect to the fuselage streamline.
- (6) Open cowlings (**455AL**) and (**456AR**) (Refer to **TASK 54-11-09-900-801**) and check operation of latches.
- (7) Check of cowlings.
  - (a) Check cowlings inner skins for abnormal condition (condition of attachments, pins, fittings, deformation and delamination, burn marks). Recondition inner skin paint coat if blistered (Refer to **TASK 20-60-00-370-803**).
  - (b) Check presence of ground wires and bonding cleat supports.
  - (c) Check presence and condition of RH cowling seal.
  - (d) Check cowling supporting props (condition and attachment, latching on cleat support).
  - (e) Check absence of interference between the swan neck hook of cowling (**455AL**) and the wiring of HP 2 bleed air electric valve (**M27HU**) (**fig. 1**).
    - 1 Check absence of wear on the HP 2 bleed air electric valve wiring.

## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

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- 2 Check correct position of the clamp holding the wiring of HP 2 bleed air electric valve (**M27HU**).

C. Engine compartment

- (1) Between the frames 33 and 34, check the accessible stringers and skin.
- (2) Check the firewall at frame 33.
  - (a) Condition of the screws attaching the firewall to frame 33.
  - (b) Condition of the firewall:
    - absence of damage, if damage (refer to SRM (Refer to **SRM 53-76-01**)).
  - (c) Condition of pressure-seal through-fittings, connectors and clamps.
  - (d) Condition of S-duct seal attaching clamp (safelying).
- (3) On engine mounts, check the following:
  - (a) Presence of safelying.
  - (b) Presence of fail safe pins (on forward engine mount).
- (4) Inspect the engine flange attached to the afterbody:
  - (a) Clean the complete periphery of the flange with a cloth moistened with **cleaner**.
  - (b) Using light and mirror, inspect the complete periphery of visible area of the flange for absence of corrosion and crack (**fig. 2**).

**NOTE:** In case of crack or corrosion, contact the manufacturer.

D. Afterbody (**454A**)

- (1) Check skin condition. Check for delamination and doors attachment.
- (2) Check forward bulkhead (condition of bulkheads through-fittings).
- (3) Check doors bearing surface seal for condition.
- (4) Check bonding lugs for presence.
- (5) Inner duct skin, for condition.

If you find corrosion, refer to SRM (Refer to **SRM 54-13-03**) for acceptance criteria.

### 5. **ELECTRICAL CIRCUITS**

A. Check starter-generator 2 (**M1PA**).

- (1) Attachment and condition of generator ventilation ducts.
- (2) Security of attachment and condition of brush protection strap.
- (3) Attaching clamp for safelying onto accessory gearbox.
- (4) Condition of generator terminal strip and terminal cover.
- (5) Condition and security of attachment of wiring harness.

B. Check electrical wiring.

## **FALCON 900EX AIRCRAFT MAINTENANCE MANUAL**

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- (1) Check appearance, cleanliness, routing, attachment and marking.
- (2) Check electrical harnesses for contact with the structure.

### **6. ENGINE FIRE PROTECTION SYSTEMS**

- A. On engine 2 capillary tube type detector (**M2WG**), check:
  - (1) The connector to responder body, for safetying.
  - (2) The routing and security of attachment of wire detector by means of insulated sleeves.
  - (3) Presence of damage and crushing.
- B. For F900EX and F900EX EASY, check fire extinguisher (**503WB**).
  - (1) Condition and attachment of support.
  - (2) Condition and attachment.
  - (3) Center attachment of supply wire and ground wire of percussion head.
- C. Check fire extinguishing lines.
  - (1) Attachment, crushing, direction.
  - (2) Couplings for condition and tightening.

### **7. FUEL SYSTEM**

- A. Check engine fuel supply lines for abnormal condition, security of attachment, condition and routing.
  - (1) Leaks, crushing.
  - (2) Protection, marking.

### **8. HYDRAULIC CIRCUITS**

- A. Check the lines for condition and attachment (tightening of attaching clamps and cleats, rubbing on structure).
- B. Check self-blanking valve and equipment couplings for leaks.

### **9. ENGINE BLEED AIR SYSTEM**

- A. Check bleed air system visible portions (security of attachments, condition of ducts, leaks, tightening of clamps).
  - (1) HP and LP bleed air, LH side.
  - (2) Anti-icing HP bleed air, air intake fuel tank pressurization bleed air, RH side.

### **10. ENGINE NO. 2 EQUIPMENT DRAINAGE SYSTEM**

- A. Check drain lines (attachment and condition) of the following items:
  - (1) Starter-generator drive.

## **FALCON 900EX AIRCRAFT MAINTENANCE MANUAL**

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- (2) Hydraulic pump drive.
- (3) Fuel pump drive.
- (4) FCU drive.
- B. Check drain manifold which receives all above drains (condition, security of attachment).
- C. Check drain line of the breather valve (condition, security of attachment).
- D. Check drain lines (security of attachment, condition) of the following items:
  - (1) Both combustion chamber drains in the fan duct.
  - (2) The fan duct drain located at the front of the door (**454AB**) near the drain mast.
- E. Check the Pt2 circuit engine computer decanting bowl for water and inspect line.  
If necessary, bleed of the Pt2 circuit engine and perform Pt2 line sealing test (Refer to **TASK 77-20-13-790-801**).

### **11. ENGINE CONTROLS**

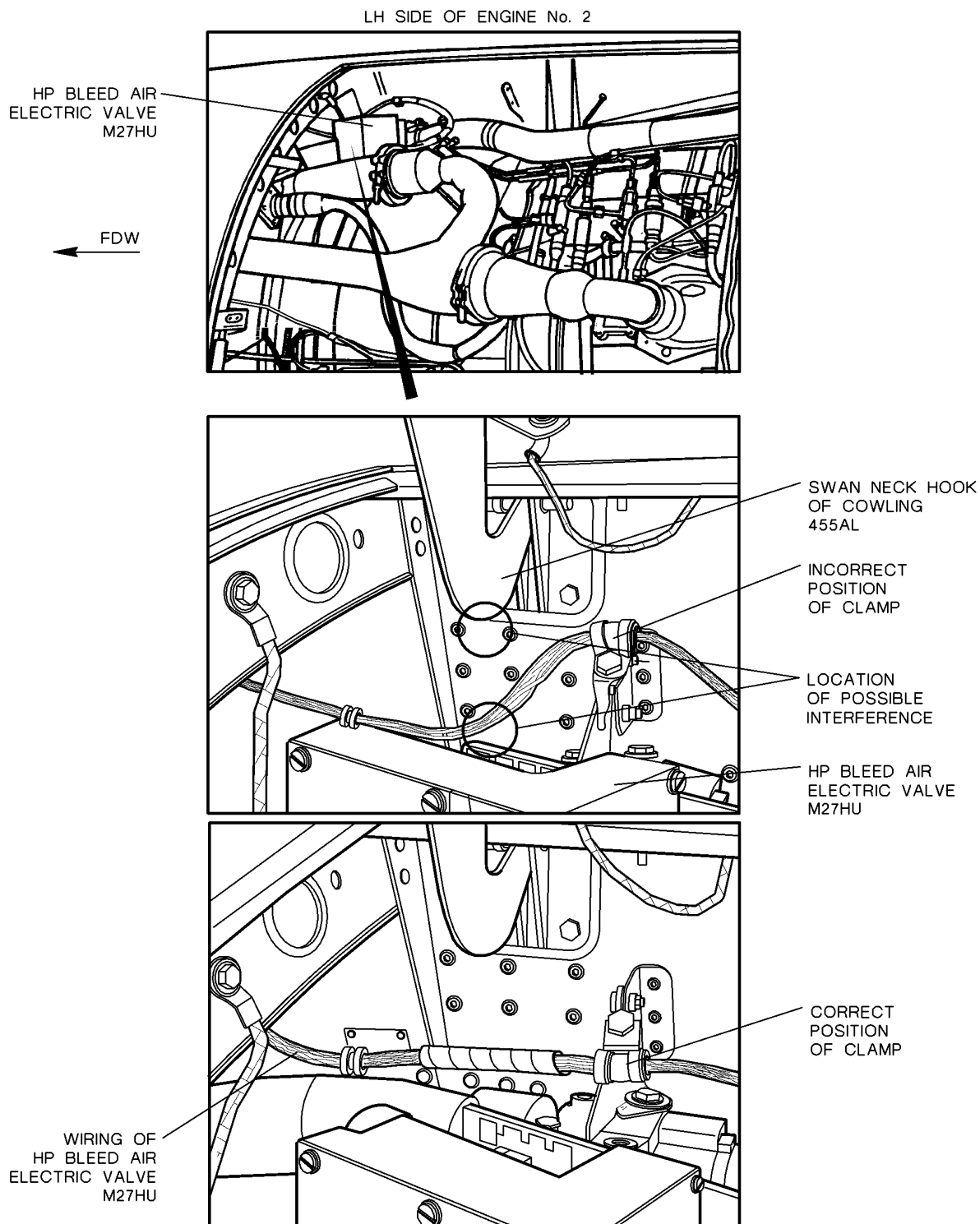
- A. Check TELEFLEX control cable for condition, routing, abnormal condition (crushing).
- B. Check control cable attachment to frame 34.

### **12. FINAL STEPS**

- A. Install door (**454AB**).
- B. Close cowlings (**455AL**) and (**456AR**) (Refer to **TASK 54-11-09-900-801**).

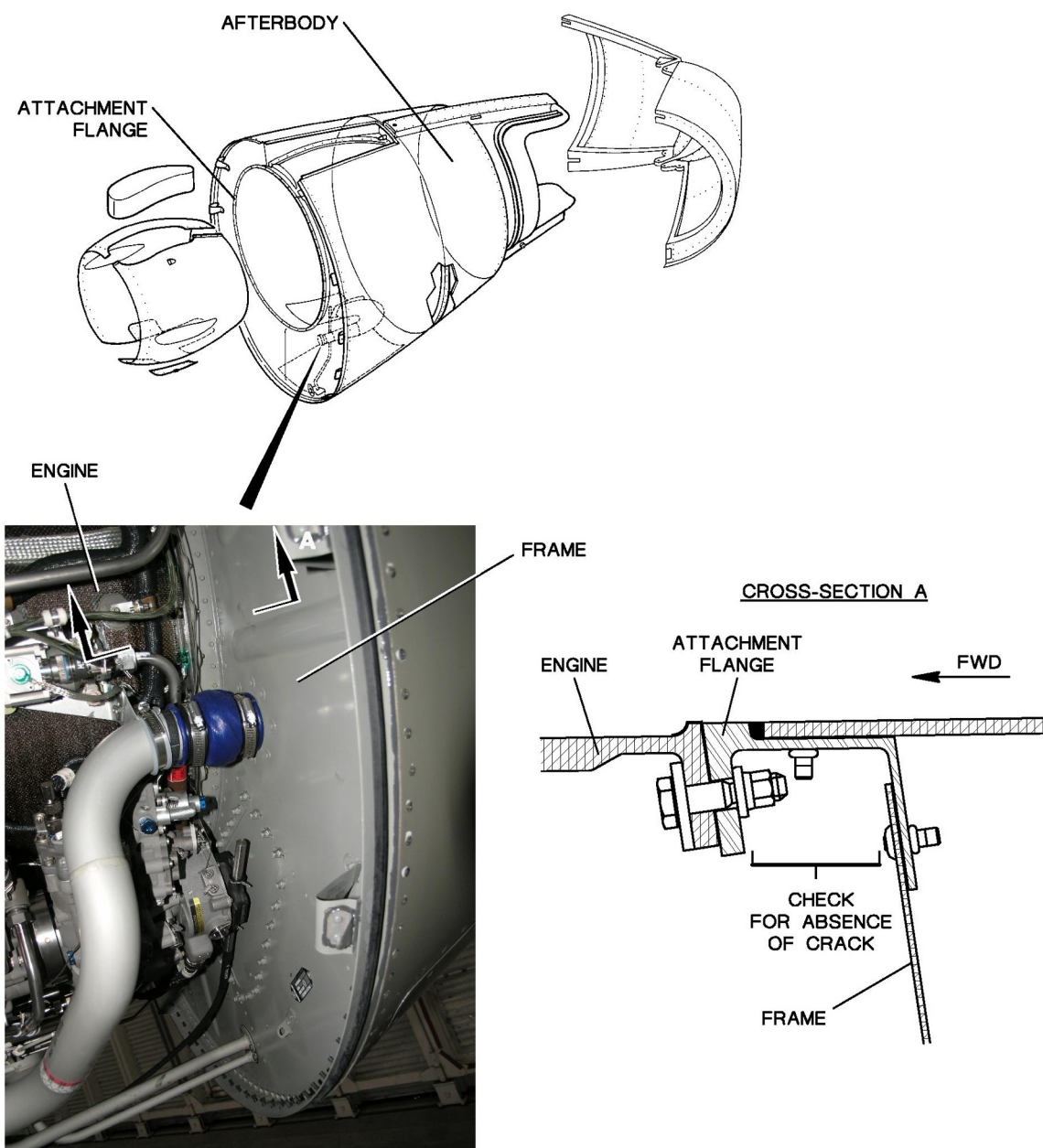


## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL



**Figure 1: Check of HP Bleed Air Valve Wiring Routing**

## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL



**Figure 2: Check of Afterbody/Attachment Flange**