

Project No: **BDHRN002**Job Card No **0070**

Notif.No.: 10049246

Activity: **1051**

Rev No: 20000622

Model.: F900EX

Sheet 1 of 1

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

Serial No.: 096

Type: F900EX

Starting Phase: Routine

Starting Work Centre: FALCON A/C TEAM

Job Description: **INSP MLG Bays**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 53

Work Center	
FALCON A/C	

**Zone:** 200,700**Access Required for this task:**

731AB,732AB,741AB,742AB,PAX

## Corrective Action

0001	<b>Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.</b>					  Order: 80069231 Operation: 0010 Phase: Routine - 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.

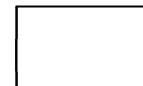
**Defect Card Raised**

## 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 &amp; Notifications Completed IAW MOE 2.13.



OEM Code: 53-40-00-200-804

Operator Code: 53-40-00-200-804-01C

Form No: JA-SAP-MTX-002

Printed by: ADAMOVIC G



Printed: 03.09.2012

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Print No: 1

Operator: **HERON AVIATION**

Work Card No.: **53.100**

Serial No.: **096**

Model: **FALCON 900EX**

**PKG # 12 2A+ INSPECTION**

Reg No.: **D-AHRN**

Workorder No.: \_\_\_\_\_

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

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

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

TECH	INSP	LABOR-HRS HRS.MINS
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>**53-40-00-200-804-01** ☐ **INSPECTION OF THE LEFT MAIN LANDING GEAR (MLG) BAYS**

\_\_\_\_\_

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

AMM 53-40-00-200-804

53-40-00-200-804-01C ☐ **INSPECTION OF THE LEFT MAIN LANDING GEAR (MLG) BAYS**  
**CPCP**

\_\_\_\_\_

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

AMM 53-40-00-200-804

>**53-40-00-200-804-02** ☐ **INSPECTION OF THE RIGHT MAIN LANDING GEAR (MLG) BAYS**

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

AMM 53-40-00-200-804

53-40-00-200-804-02C ☐ **INSPECTION OF THE RIGHT MAIN LANDING GEAR (MLG) BAYS**  
**CPCP**

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

AMM 53-40-00-200-804

# FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

## TASK 53-40-00-200-804 INSPECTION OF THE MLG BAYS

**WARNING:**

- CHECK THAT HYDRAULIC PRESSURE IS DROPPED.
- CHECK THAT THE AIRCRAFT SYSTEMS ARE NOT ENERGIZED.

### 1. OVERVIEW OF THE JOB

Operation codes:

- 53-40-00-200-804-01      LH MLG bay
- 53-40-00-200-804-02      RH MLG bay

### 2. LOGISTICS

#### A. References

Reference	Designation
• <a href="#">20-32-00-910-802</a>	ACCEPTANCE CRITERIA FOR HYDRAULIC LEAKS
• <a href="#">20-90-00-200-801</a>	INSPECTION / CHECK OF ELECTRICAL AND ELECTRONIC SYSTEMS
• <a href="#">27-00-00-220-801</a>	VISUAL INSPECTION OF FLIGHT CONTROL HYDRAULIC COMPONENTS FOR EXTERNAL LEAKS
• <a href="#">32-10-00-860-801</a>	MANUAL OPENING / CLOSING OF THE MLG DOORS
• <a href="#">32-44-21-820-801</a>	CHECK / ADJUSTMENT OF THE BRAKE SWIVEL COUPLING ALIGNMENT

#### B. Ingredients and Consumable Products

Designation	Additional designation
• <a href="#">LUBRICATING OIL</a>	
• <a href="#">SCOTCH BRITE</a>	MIL-A-9162

#### C. Access

Reference	Designation
• <a href="#">731AB</a>	LH MLG MAIN DOOR
• <a href="#">732AB</a>	LH MLG STRUT DOOR
• <a href="#">741AB</a>	RH MLG MAIN DOOR
• <a href="#">742AB</a>	RH MLG STRUT DOOR
• <a href="#">PAX</a>	PASSENGER DOOR

### 3. PRELIMINARY STEPS

- A. Manually open main landing gear (L/G) doors ([731AB](#)) and ([741AB](#)) (Refer to [TASK 32-10-00-860-801](#), paragraph "Manual Opening of Main Landing Gear Doors").

## FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

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### 4. STRUCTURE

- A. Check paint for condition (flaking).
- B. Check visible portion of structure for absence of corrosion and distortions, and condition of rivet assembly.
- C. Check seals and door sealing brushes for condition.

### 5. ELECTRICAL CIRCUITS

**CAUTION:** TAKE ALL SAFETY PRECAUTIONS REQUIRED WHEN CHECKING ELECTRICAL CIRCUITS (REFER TO TASK 20-90-00-200-801).

- A. Visually check wiring and corresponding attachment for:
  - cleanliness, change of appearance, ageing, deterioration by external agents, overheating, abrasion, distortions, markings.
- B. Check that wiring does not contact the structure, including flat surfaces or piping.

A/C without SB F900EX-139 : check routing and absence of interference of wiring of door actuator proximity sensors (L6GA1)/(R6GA1).

A/C with SB F900EX-139 : check that the wiring of door actuator proximity sensors (L6GA1)/(R6GA1) is routed between the wiring retaining rod and the structure.
- C. Check correct connection of connectors.

### 6. FIRE EXTINGUISHING SYSTEM

- A. Check detector (L22WG)/(R22WG) for condition and attachment.
- B. Check the condition of detector connecting lugs (no break nor incipient break). If protecting sleeves are fitted to the lugs, implement SB F900EX-080 .

### 7. FLIGHT CONTROLS

- A. Check in RH main L/G compartment
  - (1) Check external condition of the following items of equipment:
    - middle airbrake solenoid selector valve (2CD),
    - inboard and outboard airbrake solenoid selector valve (3CD),
    - airbrake pressure holding check valve (503CD),
    - airbrake accumulator pressure gage (504CD),
    - airbrake charging valve (505CD),
    - slats outboard emergency solenoid selector valve (R3CM),
    - RH flap double angle drive (R503CG).
  - (2) Check for absence of corrosion at:
    - hydraulic couplings,
    - equipment attachment fittings.

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NOTE: Traces of corrosion on the equipment can be removed with scotch brite.

- (3) Protect cleaned parts with lubricating oil.
- (4) Wipe any excess oil.
- (5) Check external leaktightness (no hydraulic fluid leakage) of airbrakes solenoid selector valves and pressure holding valve. If traces of hydraulic fluid are evidenced on the equipment or in the L/G compartment, carry out a static and dynamic sealing test (Refer to TASK 27-00-00-220-801).

B. Check in LH main L/G compartment

- (1) Check external condition of the following items of equipment:
  - reducing gear motor (3CG),
  - LH flap double angle drive (L503CG).
- (2) Repeat the checks described in steps 1. B. to 1. E.

### 8. HYDRAULIC SYSTEM

- A. Check piping for condition and attachment (tightening of clamps and harnesses, absence of friction against structure).
- B. Check equipment couplings for leaks.

NOTE: In case of doubt, about criteria of permissible hydraulic leaks (Refer to TASK 20-32-00-910-802).

- C. Check that hoses do not rub against the surrounding items of equipment.

### 9. LANDING GEARS AND DOORS

- A. At the top of landing gear leg (L2GF)/(R2GF), check that the charging/filling valve is provided with its protective blanks.
- B. At the bottom of the box structures and of the shock absorbers, check for traces of hydraulic fluid.
- C. Check wheel brake pistons for leaks.

NOTE: In case of doubt, about criteria of permissible hydraulic leaks (Refer to TASK 20-32-00-910-802).

- D. Check for alignment of the landing gear swivel couplings. If suspect (Refer to TASK 32-44-21-820-801). Check for condition of the brake unit supply hoses.
- E. Check for condition of:
  - landing gear legs and proximity sensors (L2GF1)/(L2GF2)-( R2GF1)/(R2GF2),
  - brace strut actuator (L12GA)/(R12GA) and connection of proximity sensors (L12GA1)/(L12GA2)-( R12GA1)/(R12GA2),
  - door actuator (L6GA)/(R6GA) and connection of proximity sensors (L6GA1)/(R6GA1),
  - landing gear uplock (L7GA)/(R7GA),
  - door uplock (L14GA)/(R14GA).

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- F. In LH landing gear compartment, check landing gear and door hydraulic supply unit (**9GA**) for condition, attachment and absence of traces of hydraulic fluid.
- G. Check for absence of traces of hydraulic fluid at the level of connection with other equipment items.
- H. Check sliding rods for cleanliness.
- I. Check hinge and attachment fittings of main doors (**731AB**) /(**741AB**) for condition, absence of delamination or traces of impact.
- J. Check strut door (**732AB**) /(**742AB**) and landing gear leg link rods for condition, hinging, attachment, absence of delamination or traces of impact.
- K. Check safetyings for condition and efficiency (pins, piping, etc.).
- L. Check bonding braids for condition.

### **10. ANTI-ICING CIRCUIT**

- A. Check anti-icing circuit lines for overall condition (lagging, attachment, overheating).

### **11. FINAL STEPS**

- A. Manually close main landing gear (L/G) doors (**731AB**) and (**741AB**) (Refer to **TASK 32-10-00-860-801**, paragraph "Closing of Main Landing Gear Doors").