

Project No: **BDHRN002**Job Card No **0100**

Notif.No.: 10049040

Activity: **1001**

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: **LUB Flap Mechanism**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 27

Check Type: 2A CHECK

Work Center	
FALCON A/C	

Zone: 500,600**Access Required for this task:**

561AB,563HB,571AB,661AB,663HB,671AB,PAX

Corrective Action

0001	Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.					 Order: 80069212 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 & Notifications Completed IAW MOE 2.13.



OEM Code: 27-50-00-640-801

Operator Code: 27-50-00-640-801-01

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.: **27.570**

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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**>27-50-00-640-801- GREASING/LUBRICATION OF FLAP MECHANISMS
01**

REMARKS :

TO BE PERFORMED AFTERFLYING THROUGH SAND AND VOLCANIC ASH.

AMM 27-50-00-640-801

FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

TASK 27-50-00-640-801 GREASING / LUBRICATION OF FLAP MECHANISMS

1. OVERVIEW OF THE JOB

Operation code: 27-50-00-640-801-01

2. LOGISTICS

A. References

Reference	Designation
• 24-00-00-860-801	ENERGIZATION / DE-ENERGIZATION OF THE AIRCRAFT
• 27-00-00-910-801	FLIGHT CONTROL SYSTEM MAINTENANCE AND SAFETY PRECAUTIONS
• 27-50-00-860-802	EXTENSION / RETRACTION OF THE SLATS / FLAPS FOR MAINTENANCE
• 27-80-17-960-803	REPLACEMENT / ADJUSTMENT OF THE FLAP POSITION MICROSWITCH
• 29-00-00-860-801	PRESSURIZATION / DE-PRESSURIZATION OF THE HYDRAULIC SYSTEMS
• 32-10-00-860-801	MANUAL OPENING / CLOSING OF THE MLG DOORS

B. Tools and Ground Support Equipment

Reference	Designation	Quantity
• F7XC202000008	TOOL BOX	1

C. Ingredients and Consumable Products

Designation	Additional designation
• LOW FREEZE POINT GREASE	MIL-PRF-23827
• LUBRICATING OIL	
• P-D-680B	WHITE SPIRIT

D. Additional Spare Parts

Reference	Designation	Quantity
• FGFB163007110	PIVOT PIN SET	
OR FGFB163007110A1	PIVOT PIN SET	

E. Energy

- ELECTRICAL
- HYDRAULIC

F. Access

Reference	Designation
• 561AB	INBOARD FLAP CONTROL ROD ACCESS DOOR
• 563HB	WING LOWER SURFACE INBOARD FAIRING
• 571AB	OUTBOARD FLAP CONTROL ROD ACCESS DOOR
• 661AB	INBOARD FLAP CONTROL ROD ACCESS DOOR

FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

- **663HB** WING LOWER SURFACE INBOARD FAIRING
- **671AB** OUTBOARD FLAP CONTROL ROD ACCESS DOOR
- **PAX** PASSENGER DOOR

3. PRELIMINARY STEPS

- A. Observe all applicable recommendations and safety precautions to prevent injury to personnel and damage to equipment (Refer to TASK 27-00-00-910-801).
- B. Remove fairings (**563HB**) and (**663HB**).
- C. Remove access doors (**561AB**), (**571AB**), (**661AB**) and (**671AB**).
- D. Connect the electrical ground power unit (Refer to TASK 24-00-00-860-801 , paragraph "Connection of the Electrical Ground Power Unit").
- E. Connect the hydraulic ground power unit to hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Connection of the Hydraulic Ground Power Unit").
- F. Full extension of flaps
 - (1) Energize the aircraft systems (Refer to TASK 24-00-00-860-801 , paragraph "Energization with the Electrical Ground Power Unit").
 - (2) Pressurize hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Pressurization from the Hydraulic Ground Power Unit").
 - (3) Fully extend the flaps (Refer to TASK 27-50-00-860-802 , paragraph "Extension in Normal Mode").
 - (4) Cut off and drop the pressure in hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Cut off and Drop Pressure from the Hydraulic Ground Power Unit").
NOTE: The slats can move if the pressure in hydraulic systems is not completely dropped.
 - (5) De-energize the aircraft systems (Refer to TASK 24-00-00-860-801 , paragraph "De-energization with the Electrical Ground Power Unit").
- G. Inhibit flap and slat deflections (Refer to TASK 27-50-00-860-802 , paragraph "Operation on Slats and/or Flaps Extended").
- H. Manually open the LH and RH main landing gear doors (Refer to TASK 32-10-00-860-801 , paragraph "Opening").

4. CLEANING AND CHECK OF FLAP MECHANISM HINGES

Refer to **fig. 1**

WARNING: PERSONNEL INJURIES CAN RESULT FROM ANY OPERATION PERFORMED ON FLIGHT CONTROL SYSTEM EQUIPMENT. ELECTRICAL AND HYDRAULIC POWER SUPPLIES ARE PROHIBITED WHEN CLEANING FLAP SYSTEM COMPONENTS.

- A. Cleaning of universal joints on control rod ends (items 1 to 13).

FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

NOTE: Items 1 to 3 are located in LH and RH main L/G wells, respectively.

- (1) If the universal joints on control rod ends are already protected with **temporary protection type III**, remove the dust from them, using a dry and clean lint-free cloth,

NOTE: Temporary protection type III is easily recognizable by its brown color.

- (2) If the universal joints on control rod ends are not protected with **temporary protection type III**, clean them using clean lint-free cloths moistened with **P-D-680B**.
- B. Using clean lint-free cloths, moistened with **P-D-680B**, clean the cadmium plated end-fittings of transmission shafts.
- C. Using a dry and clean lint-free cloth, clean control cable (14) and cable lug (17) of flap position potentiometers (**L4DL**) and (**R4DL**).
- D. On the flap, check for free rotation of cable lug (17) of flap position potentiometers (**L4DL**) and (**R4DL**) around its pivot pin (18).

NOTE: The lug barrel and the cable must be aligned in the same axis.

- E. If there is a risk of cable lug blocking due to damaged pivot pin, replace the pivot pin (18) (**FGFB163007110**) or (**FGFB163007110A1**).

5. GREASING/LUBRICATION OF FLAP MECHANISM HINGES

Refer to **fig. 1**

WARNING: PERSONNEL INJURIES CAN RESULT FROM ANY OPERATION PERFORMED ON FLIGHT CONTROL SYSTEM EQUIPMENT. ELECTRICAL AND HYDRAULIC POWER SUPPLIES ARE PROHIBITED WHEN GREASING OR LUBRICATING FLAP SYSTEM COMPONENTS.

CAUTION: THE LUBRICATION OF CONTROL CABLE (14) AND CABLE LUG (17) OF FLAP POSITION POTENTIOMETERS (L4DL**) AND (**R4DL**) IS PROHIBITED.**

- A. Greasing of control rod ends

Using **low freeze point grease**, slightly grease the universal joints on control rod ends (items 1 to 13) that are not already protected with **temporary protection type III**.

- B. Lubrication of flap position microswitch

- (1) Check flap position microswitch (**7CM**) for:
 - free rotation of control lever (15),
 - condition of return springs (16).
- (2) If in bad condition, replace then adjust flap microswitch (**7CM**) (Refer to **TASK 27-80-17-960-803**).
- (3) Using an oil can filled with **lubricating oil**, slightly lubricate the shaft/return spring (16) of microswitch control lever (15).

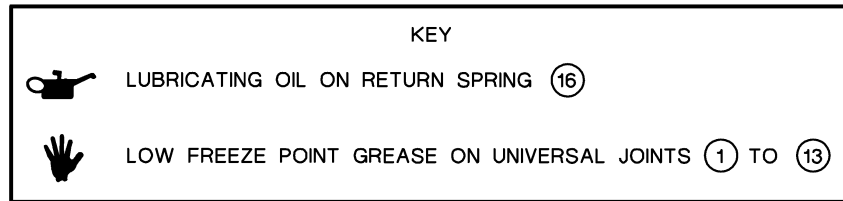
6. FINAL STEPS

- A. Install access doors (**561AB**), (**571AB**), (**661AB**) and (**671AB**).

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- B. Install fairings (**563HB**) and (**663HB**).
- C. Manually close the LH and RH main landing gear doors (Refer to TASK 32-10-00-860-801 , paragraph "Closing").
- D. Remove the flap and slat safeties (Refer to TASK 27-50-00-860-802 , paragraph "Operation on Slat and/or Flaps Extended").
- E. Full retraction of flaps
 - (1) Energize the aircraft systems (Refer to TASK 24-00-00-860-801 , paragraph "Energization with the Electrical Ground Power Unit").
 - (2) Pressurize hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Pressurization from the Hydraulic Ground Power Unit").
 - (3) Fully retract the flaps (Refer to TASK 27-50-00-860-802 , paragraph "Retraction in Normal Mode").
 - (4) Cut off and drop the pressure in hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Cut off and Drop Pressure from the Hydraulic Ground Power Unit").
 - NOTE: The slats can move if the pressure in hydraulic systems is not completely dropped.
 - (5) De-energize the aircraft systems (Refer to TASK 24-00-00-860-801 , paragraph "De-energization with the Electrical Ground Power Unit").
- F. Disconnect the hydraulic ground power unit from hydraulic system 2 (Refer to TASK 29-00-00-860-801 , paragraph "Disconnection of the Hydraulic Ground Power Unit").
- G. Disconnect the electrical ground power unit (Refer to TASK 24-00-00-860-801 , paragraph "Disconnection of the Electrical Ground Power Unit").

FALCON 900EX AIRCRAFT MAINTENANCE MANUAL



NOTE: LH WING ONLY IS ILLUSTRATED (SAME FOR RH WING FROM ITEM (3))

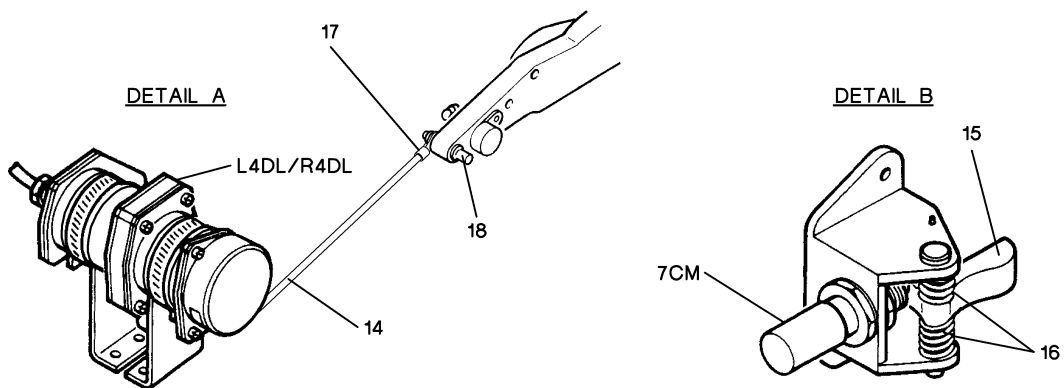
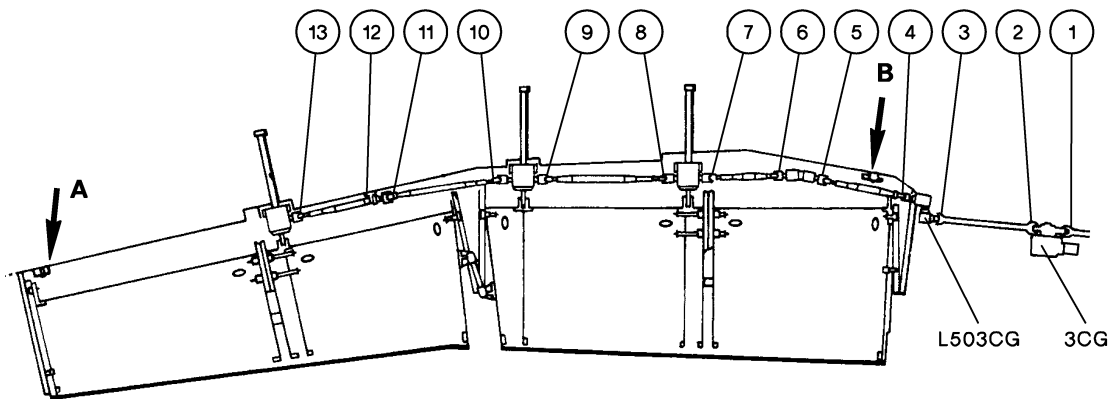


Figure 1: CLEANING/GREASING/LUBRICATING OF FLAP MECHANISMS