

Project No: **BDHRN002**Job Card No **0075**

Notif.No.: 10049014

Activity: **1000**

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: **CHK Non-contamination Fuel**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 28

Check Type: 1A CHECK

Work Center	
FALCON A/C	

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

MSD

Corrective Action

0001	Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.					 Order: 80069257 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: 28-00-00-280-801

Operator Code: 28-00-00-280-801-01

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.: **28.010**

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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**>28-00-00-280-801- CHECK FOR NON-CONTAMINATION OF THE FUEL
01**

REMARKS :

NOTE: DUE MORE OFTEN IF NECESSARY.

AMM 28-00-00-280-801

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TASK 28-00-00-280-801

CHECK FOR NON-CONTAMINATION OF THE FUEL

1. OVERVIEW OF THE JOB

Operation code: 28-00-00-280-801-01

Micro-organic contamination is due to the water present in the fuel tanks, hence the importance of draining the tanks at regular intervals. Tropical or equatorial climate is also an aggravating factor, and contamination may develop following refueling from a contaminated tanker.

This procedure is to be performed to detect fuel contamination in the fuel tanks.

The fuel sampling and contamination test must be performed for each of the 15 sump drain valves.

The fuel contamination test must be performed within 24 hours after fuel sampling, otherwise the results will be incorrect.

2. LOGISTICS

A. References

Reference	Designation
• 28-00-00-910-803	ANTI-CONTAMINATION TREATMENT OF FUEL SYSTEMS
• 28-30-00-680-802	DRAINING OF THE FUEL TANKS / FUEL SAMPLING
• 28-70-00-860-801	DE-PRESSURIZATION / PRESSURIZATION OF THE FUEL TANKS

B. Tools and Ground Support Equipment

Reference	Designation	Quantity
• FGFB912001A4	FUEL TANK SUMP DRAINING TOOL	IOB
OR FGFB912001A5	FUEL TANK SUMP DRAINING TOOL	IOB

C. Ingredients and Consumable Products

Designation	Additional designation
• BACTERIAL TEST KIT	
• ISOPROPYL ALCOHOL	TT-I-735 A

D. Access

Reference	Designation
• MSD	SERVICING COMPARTMENT DOOR

E. Miscellaneous

- LINT-FREE CLOTH
- TRANSPARENT GRADUATED CONTAINER (1 LITER (0.26 US GAL) APPROX.)

3. PRELIMINARY STEPS

Refer to **fig. 1**

- A. Leave the aircraft at a standstill for a minimum of five hours.
- B. De-pressurize the fuel tanks (Refer to [TASK 28-70-00-860-801](#), paragraph "De-pressurization of fuel tanks").

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- C. Gain access to the fuel tank sump draining tool (**FGFB912001A4**) stowed in the (**MSD**), and take it.
- D. If not previously done, drain the water from the fuel at each of the sump drain valves, as follows:

NOTE: To drain water from the fuel through the fuel tank sump drain valves, the best results are obtained after the aircraft has been at a standstill for at least five hours, before refueling and early in the morning (low temperature conditions).

- (1) Drain approximately 1 liter (0.26 US gal) of fuel, using the fuel tank sump draining tool (**FGFB912001A4**) (Refer to **TASK 28-30-00-680-802**, paragraph "Fuel Sampling").
 - (2) Pour the contents of the fuel tank sump draining tool (**FGFB912001A4**) into a transparent graduated container.
 - (3) Allow the fuel to settle for 10 minutes.
 - (4) Make sure that the quantity of water in the fuel is less than 1 %.
 - (5) If the quantity of water in the fuel is greater than 1 %, repeat the fuel sump draining procedure until the quantity of water is less than 1 % (Refer to **TASK 28-30-00-680-802**, paragraph "Fuel Sampling").
- E. Clean the fuel tank sump draining tool (**FGFB912001A4**) with a cloth moistened with **isopropyl alcohol**.

4. CONTAMINATION DETECTION TEST

Refer to **fig. 1**

- A. At each fuel tank sump drain valve, perform the following steps:
 - (1) Sample approximately 1 liter (0.26 US gal) of fuel, using the fuel tank sump draining tool (**FGFB912001A4**) (Refer to **TASK 28-30-00-680-802**, paragraph "Fuel Sampling").

CAUTION: THE FUEL CONTAMINATION TEST MUST BE PERFORMED WITHIN 24 HOURS AFTER FUEL SAMPLING, OTHERWISE THE RESULTS WILL BE INCORRECT.
 - (2) Perform a contamination detection test on the fuel sample (refer to the instructions in the **bacterial test kit**).
 - (3) If contamination is found:
 - (a) Empty the contents of the fuel tank sump draining tool (**FGFB912001A4**), then clean it with a cloth moistened with **isopropyl alcohol**.
 - (b) Perform again a fuel contamination detection test within 10 days.
 - (c) If contamination is confirmed, perform a fuel system contamination treatment (Refer to **TASK 28-00-00-910-803**).
 - (4) Empty the contents of the fuel tank sump draining tool (**FGFB912001A4**), then clean it with a cloth moistened with **isopropyl alcohol**.

5. FINAL STEPS

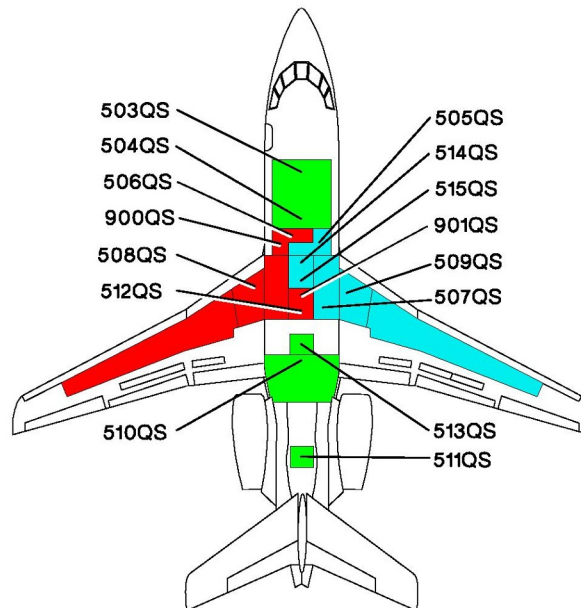
- A. Return and stow the fuel tank sump draining tool (**FGFB912001A4**) in the (**MSD**).



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- B. Make sure that the work area is clean and clear of tools or any other items.

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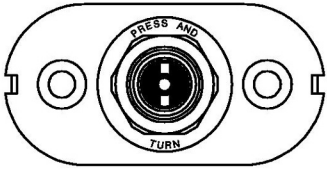
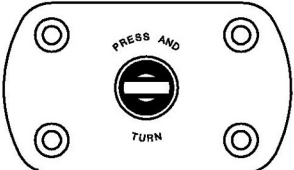
	KEY
504QS 505QS 506QS 507QS 510QS 511QS 512QS 513QS 514QS 515QS 900QS 901QS	FRONT TANK REAR SUMP DRAIN VALVE RH FRONT TANK SUMP DRAIN VALVE LH FRONT TANK SUMP DRAIN VALVE REAR RH CENTERWING TANK SUMP DRAIN VALVE REAR TANK SUMP DRAIN VALVE MECHANIC'S SERVICING COMPARTMENT TANK SUMP DRAIN VALVE LH FEEDER TANK SUMP DRAIN VALVE CENTER FEEDER TANK SUMP DRAIN VALVE FRONT RH CENTERWING TANK SUMP DRAIN VALVE RH FEEDER TANK SUMP DRAIN VALVE LH FRONT TANK SUMP DRAIN VALVE LH CENTERWING TANK SUMP DRAIN VALVE
	KEY
503QS 508QS 509QS	FRONT TANK FRONT SUMP DRAIN VALVE LH WING INBOARD TANK SUMP DRAIN VALVE RH WING INBOARD TANK SUMP DRAIN VALVE

Figure 1: Fuel Tank Sump Drain Valves - Location