

Project No: **BDHRN002**Job Card No **0101**

Notif.No.: 10049093

Activity: **1003**

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 Slat Mechanism**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 27

Check Type: 2A+ Inspection

Work Center	
FALCON A/C	

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

512BB,512CB,512DB,522AB,522BB,522CB,522DB,522EB,522FB,612BB,612CB,612DB,622AB,622BB,622CB,622DB,622EB,622FB,PAX

Corrective Action

0001	Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.					 Order: 80069216 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: 27-80-00-640-801

Operator Code: 27-80-00-640-801-01

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.: **27.460**

Serial No.: **096**

Model: **FALCON 900EX**

PKG # 12 2A+ INSPECTION

Reg No.: **D-AHRN**

Workorder No.: _____

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

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

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

TECH	INSP	LABOR-HRS HRS.MINS
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**>27-80-00-640-801- GREASING/LUBRICATION OF THE SLAT MECHANISMS
01**

REMARKS : _____

AMM 27-80-00-640-801

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TASK 27-80-00-640-801 GREASING / LUBRICATION OF THE SLAT MECHANISMS

1. OVERVIEW OF THE JOB

Operation code: 27-80-00-640-801-01

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
• 29-00-00-860-801	PRESSURIZATION / DE-PRESSURIZATION OF THE HYDRAULIC SYSTEMS

B. Tools and Ground Support Equipment

Reference	Designation	Quantity
• F7XC202000008	TOOL BOX	

C. Ingredients and Consumable Products

Designation	Additional designation
• P-D-680B	WHITE SPIRIT
• SYNTHETIC GREASE	MIL-PRF-81322
• LUBRICATING OIL	
• HYDRAULIC FLUID	MIL-PRF-5606

D. Energy

- ELECTRICAL
- HYDRAULIC

E. Access

Reference	Designation
• 512BB	WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
• 512CB	WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
• 512DB	WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
• 522AB	WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 1
• 522BB	WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 2

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- **522CB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 3
- **522DB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 4
- **522EB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 5
- **522FB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 6
- **612BB** WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
- **612CB** WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
- **612DB** WING LOWER SURFACE INBOARD LEADING EDGE ACCESS PANEL
- **622AB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 1
- **622BB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 2
- **622CB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 3
- **622DB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 4
- **622EB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 5
- **622FB** WING LOWER SURFACE OUTBOARD LEADING EDGE ACCESS PANEL NO. 6
- **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 the access doors (**512BB**), (**512CB**), (**512DB**), (**522AB**), (**522BB**), (**522CB**), (**522DB**), (**522EB**), (**522FB**), (**612BB**), (**612CB**), (**612DB**), (**622AB**), (**622BB**), (**622CB**), (**622DB**), (**622EB**) and (**622FB**).
- C. Extension of the slats
 - (1) Connect the electrical ground power unit (Refer to **TASK 24-00-00-860-801**, paragraph "Connection of the Electrical Ground Power Unit").
 - (2) Connect the hydraulic ground power unit to hydraulic systems 1 (Refer to **TASK 29-00-00-860-801**, paragraph "Connection of the Hydraulic Ground Power Unit").
 - (3) Energize the aircraft systems (Refer to **TASK 24-00-00-860-801**, paragraph "Energization with the Electrical Ground Power Unit").

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- (4) Pressurize hydraulic systems 1 (Refer to [TASK 29-00-00-860-801](#), paragraph "Pressurization from Hydraulic Ground Power Unit").



- (5) Extend the slats (Refer to [TASK 27-50-00-860-802](#), paragraph "Extension in Normal Mode")
NOTE: Only hydraulic system 1 must be pressurized to extend the slats alone in normal mode.
- (6) Cut off and drop the pressure in hydraulic systems 1 (Refer to [TASK 29-00-00-860-801](#), paragraph "Cut off and Drop the Pressure from Hydraulic Ground Power Unit").
- (7) De-energize the aircraft systems (Refer to [TASK 24-00-00-860-801](#), paragraph "De-energization with the Electrical Ground Power Unit").

- D. Inhibit the slat deflection (Refer to [TASK 27-50-00-860-802](#), paragraph "Operation on Slats or Flaps Extended").

4. **CLEANING**

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



- A. Using a dry and clean lint-free cloth, clean the sliding rods of each slat actuator (**fig. 1**):
- LH inboard slat actuator ([L500CM](#)),
 - RH inboard slat actuator ([R500CM](#)),
 - LH outboard slat inboard actuator ([L501CM](#)),
 - RH outboard slat inboard actuator ([R501CM](#)),
 - LH outboard slat emergency actuator ([L502CM](#)),
 - RH outboard slat emergency actuator ([R502CM](#)),
 - LH outboard slat outboard actuator ([L503CM](#)),
 - RH outboard slat outboard actuator ([R503CM](#)).
- B. Using a cloth moistened with white spirit [P-D-680B](#), clean the slat tracks (from track 1 to track 10) (**fig. 1**).
- C. Using a dry and clean lint-free cloth, clean slat blanking plate hinges (**fig. 2**).

5. **GREASING/LUBRICATION OF SLAT SYSTEM MECHANISMS**

Refer to **fig. 1**, **fig. 2**, **fig. 3** and **fig. 4**



CAUTION: THE SLAT ACTUATOR BEARINGS MUST NEITHER BE LUBRICATED NOR GREASED. THE BEARINGS ARE SELF-LUBRICATED (AIRFLON).

- A. Lubrication of actuator sliding rods

Using a lint-free cloth moistened with **hydraulic fluid**, lubricate the sliding rods of slat actuators (**fig. 1**):

- LH inboard slat actuator ([L500CM](#)),
- RH inboard slat actuator ([R500CM](#)),

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- LH outboard slat inboard actuator ([L501CM](#)),
- RH outboard slat inboard actuator ([R501CM](#)),
- LH outboard slat emergency actuator ([L502CM](#)),
- RH outboard slat emergency actuator ([R502CM](#)),
- LH outboard slat outboard actuator ([L503CM](#)),
- RH outboard slat outboard actuator ([R503CM](#)).

B. Lubrication of tracks

Using an oil can filled with [lubricating oil](#), lubricate the slat tracks (from track 1 to track 10) ([fig. 1](#)).

C. Greasing/Lubrication of track rollers

(1) Lubrication

(a) Using an oil can filled with [lubricating oil](#), lubricate:

- [accessible](#) track rollers (2) ([fig. 3](#) and [fig. 4](#), DETAIL J),
- anti-slope rollers (1) ([fig. 3](#) and [fig. 4](#), DETAIL H).

(b) Make sure that each anti-slope roller (1) rotates freely, without hard point.

(2) Greasing of track roller pins

Using a grease gun filled with [synthetic grease](#), grease track roller pins (3) via nipples (4) ([fig. 3](#) and [fig. 4](#), DETAIL J).

D. Lubrication of blanking plate hinges

(1) Using an oil can filled with [lubricating oil](#), lubricate blanking plate hinges ([fig. 2](#)).

6. FINAL STEPS

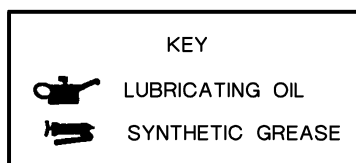
- A. Remove the slat safeties (Refer to [TASK 27-50-00-860-802](#), paragraph "Operation on Slats or Flaps Extended").
- B. Energize the aircraft systems (Refer to [TASK 24-00-00-860-801](#), paragraph "Energization with the Electrical Ground Power Unit").
- C. Pressurize hydraulic systems 1 (Refer to [TASK 29-00-00-860-801](#), paragraph "Pressurization from Hydraulic Ground Power Unit").
- ◆
- D. Retract the slats (Refer to [TASK 27-50-00-860-802](#), paragraphs "Retraction in Normal Mode" then "Final Steps").
- E. Cut off and drop the pressure in hydraulic systems 1 (Refer to [TASK 29-00-00-860-801](#), paragraph "Cut off and Drop the Pressure from Hydraulic Ground Power Unit").
- F. De-energize the aircraft systems (Refer to [TASK 24-00-00-860-801](#), paragraph "De-energization with the Electrical Ground Power Unit").
- G. Disconnect the hydraulic ground power unit (Refer to [TASK 29-00-00-860-801](#), paragraph "Disconnection of the Hydraulic Ground Power Unit").



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- H. Disconnect the electrical ground power unit (Refer to **TASK 24-00-00-860-801**, paragraph "Disconnection of the Electrical Ground Power Unit").
- I. Install access doors (**512BB**), (**512CB**), (**512DB**), (**522AB**), (**522BB**), (**522CB**), (**522DB**), (**522EB**), (**522FB**), (**612BB**), (**612CB**), (**612DB**), (**622AB**), (**622BB**), (**622CB**), (**622DB**), (**622EB**) and (**622FB**).

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NOTE: LH SLAT MECHANISM ONLY IS ILLUSTRATED (SAME FOR RH SLAT MECHANISM)

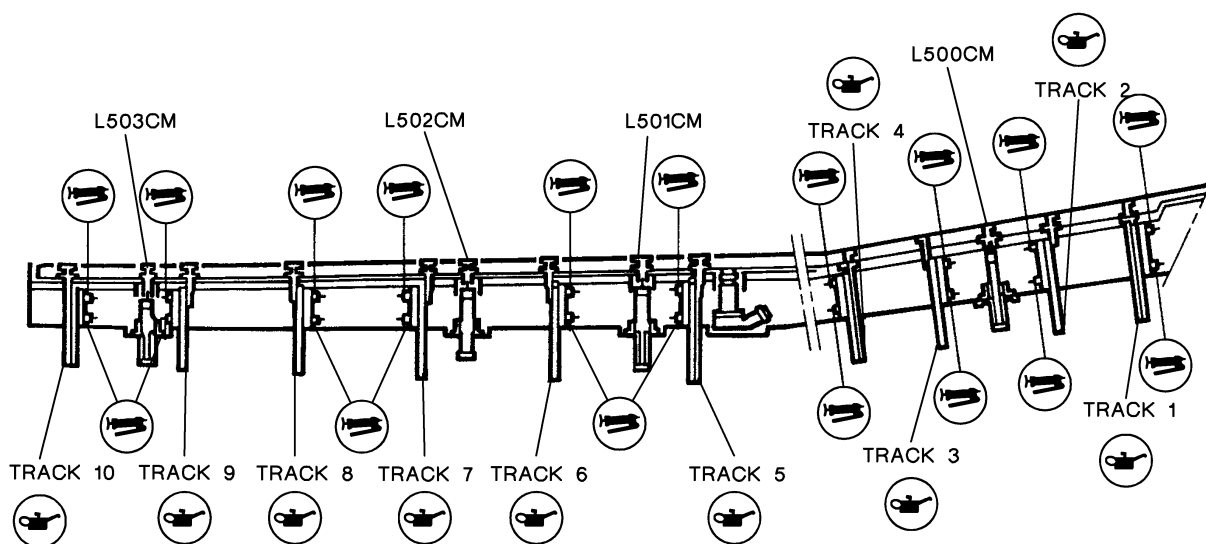


Figure 1: Lubrication of Slat Mechanism

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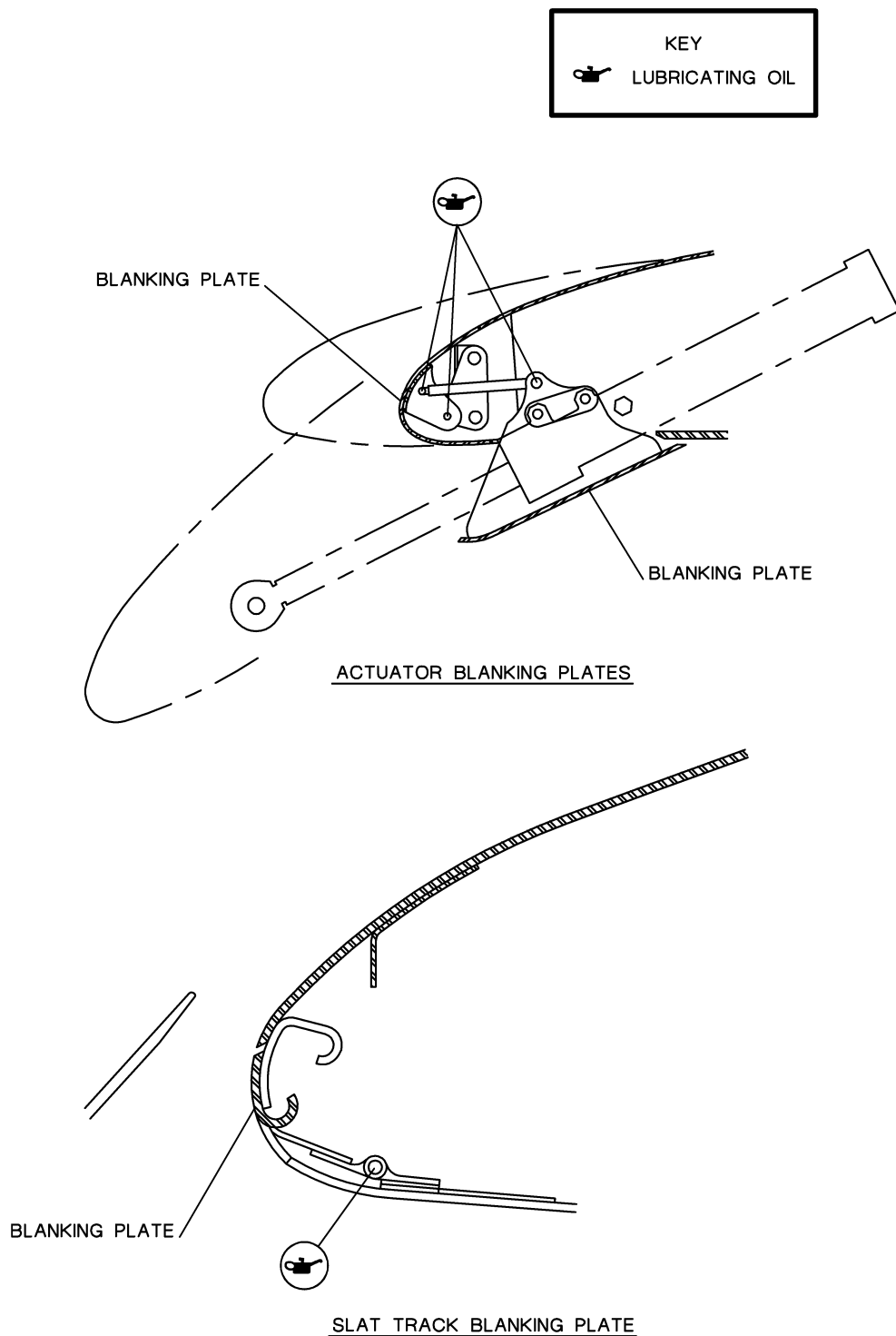
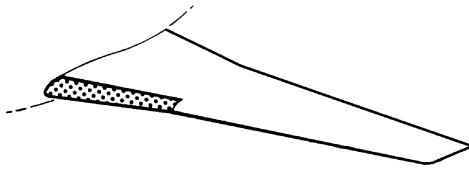


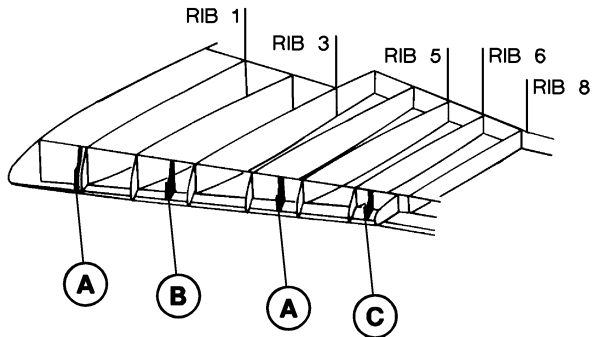
Figure 2: Lubrication of Slat Track and Actuator Blanking Plates

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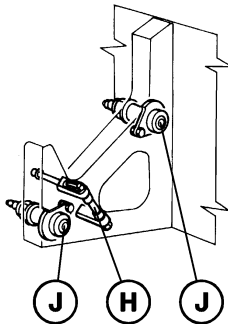


KEY	
	LUBRICATING OIL: ANTI-SLOPE ROLLERS (1) AND TRACK ROLLERS (2)
	SYNTHETIC GREASE: TRACK ROLLER PIN NIPPLES (4)

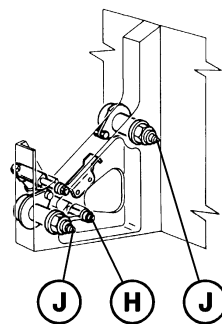
NOTE: LH WING ONLY IS ILLUSTRATED (SAME FOR RH WING)



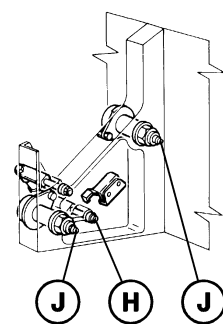
DETAIL A



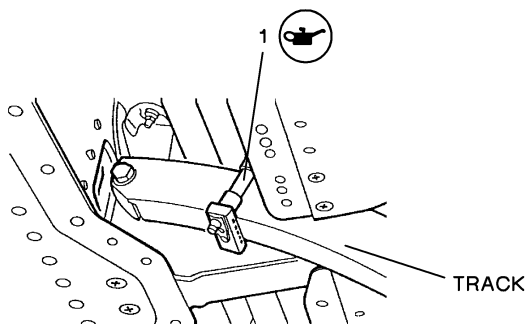
DETAIL B



DETAIL C



DETAIL H



DETAIL J

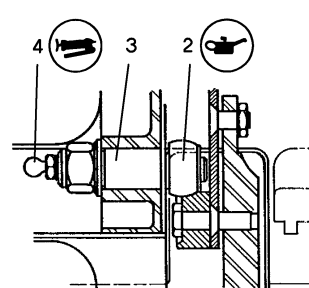
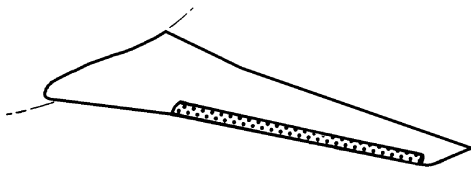




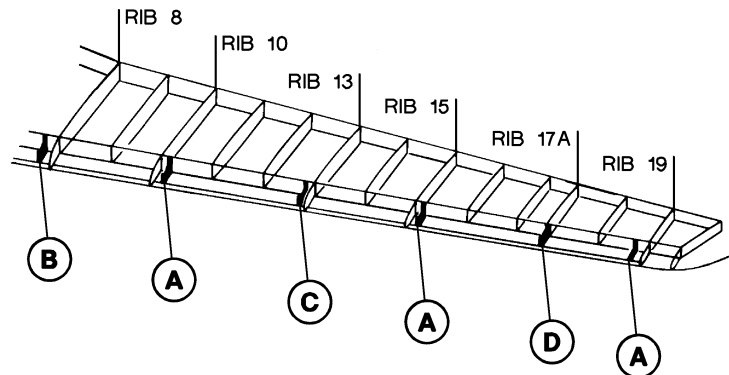
Figure 3: Greasing/Lubrication of Inboard Slat Rollers

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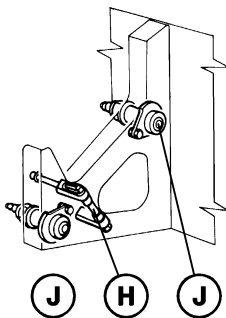


KEY	
	LUBRICATING OIL: ANTI-SLOPE ROLLERS (1) AND TRACK ROLLERS (2)
	SYNTHETIC GREASE: TRACK ROLLER PIN NIPPLES (4)

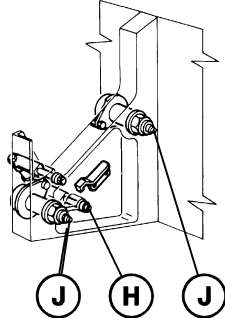
NOTE: LH WING ONLY IS ILLUSTRATED (SAME FOR RH WING)



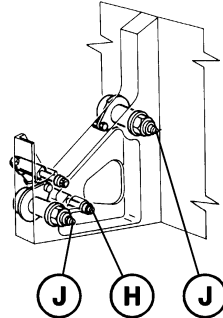
DETAIL A



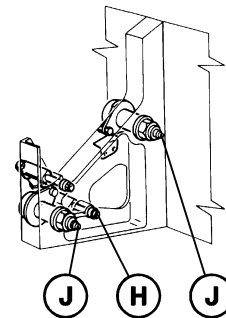
DETAIL B



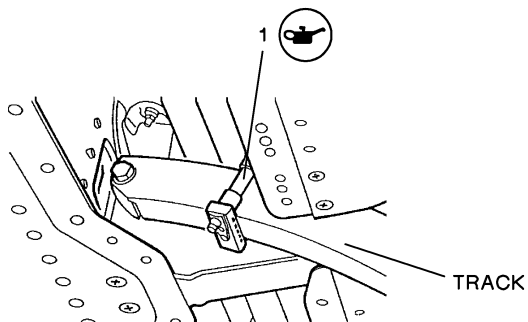
DETAIL C



DETAIL D



DETAIL H



DETAIL J

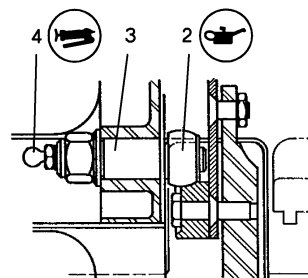


Figure 4: Greasing/Lubrication of Outboard Slat Rollers