

Project No: **BDHRN002**Job Card No **0112**

Notif.No.: 10049066

Activity: **1002**

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 NLG Bay**

ETOPS A/C: No

RVSM A/C: No

Warranty: -

ATA: 53

Check Type: 1A+ Inspection

Work Center	
FALCON A/C	

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

110AZ,711AB,712AB,713AB,714AB

Corrective Action

0001	Task carried out in accordance with the attached Customer Card that quotes the Operator code detailed below.					 Order: 80069229 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: 53-10-00-200-808

Operator Code: 53-10-00-200-808-01

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.: **53-10-00-200-808-01C**

Serial No.: **096**

Model: **FALCON 900EX**

Reg No.: **D-AHRN**

Workorder No.: _____

	Date	A/C HRS	AFL	APH			
Due At	27-OCT-2012						
Accomplished							

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

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

TECH	INSP	LABOR-HRS HRS.MINS
------	------	-----------------------

53-10-00-200-808-01 ☐ INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

REMARKS : _____

AMM 53-10-00-200-808

>53-10-00-200-808-01C ☐ INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

CPCP

REMARKS : _____

AMM 53-10-00-200-808

Operator: **HERON AVIATION**

Work Card No.: **53-10-00-200-808-01C**

Serial No.: **096**

Model: **FALCON 900EX**

Reg No.: **D-AHRN**

Workorder No.: _____

ACCESS PANEL SUMMARIES

711AB LH LOWER DOORS DOOR

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

712AB LH LOWER DOORS DOOR

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

713AB LH LOWER DOORS DOOR

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

714AB LH LOWER DOORS DOOR

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

AREA SUMMARIES

L3 NOSE L/G AND COMPARTMENT

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

SOURCE SUMMARIES

956 MPD 05-10-53 PAGE NO.:PAGE 1/5 REF: 53-10 T12 SECTION AND NOSE CONE DATE: MAR 09/2012 2

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

956 MPD 05-15 ANNEX 1 PAGE NO.:1/2 REF: STANDARD AIRCRAFT BASELINE CPCP DATE: MAR 9/2012 2

53-10-00-200-808-01 INSPECTION OF THE NOSE LANDING GEAR (NLG) BAY

C

FALCON 900EX AIRCRAFT MAINTENANCE MANUAL

TASK 53-10-00-200-808 INSPECTION OF THE NLG BAY

WARNING: HYDRAULIC AND ELECTRICAL POWER SUPPLIES ARE PROHIBITED.

1. OVERVIEW OF THE JOB

Operation code: 53-10-00-200-808-01

2. LOGISTICS

A. References

Reference	Designation
• 20-32-00-910-802	ACCEPTANCE CRITERIA FOR HYDRAULIC LEAKS
• 20-90-00-200-801	INSPECTION / CHECK OF ELECTRICAL AND ELECTRONIC SYSTEMS

B. Tools and Ground Support Equipment

Reference	Designation	Quantity
• F7XC202000008	TOOL BOX	

C. Access

Reference	Designation
• 110AZ	NLG WELL CEILING DOOR
• 711AB	NLG MAIN DOOR
• 712AB	NLG MAIN DOOR
• 713AB	NLG AUXILIARY SHIELD DOOR
• 714AB	NLG MAIN SHIELD DOOR

3. STRUCTURE

Refer to **fig. 3**

CAUTION: DETECTION OF A CRACK ENTAILS SYSTEMATIC REPAIR.

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

- A. Check the paint for condition then check the structure for absence of corrosion, damage or cracks.
- B. Check that nose landing gear compartment top door ([110AZ](#)) is correctly locked.
- C. Check the safetying devices (lockwire or pin) for efficiency.
- D. Check the seals
 - (1) On the frame:
 - check the seal for absence of damage,
 - check the faying surface of the sealant bead at the forward edging.

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- (2) Check the condition of the seals on landing gear doors (**711AB**) and (**712AB**).
- E. For A/C without SB F900EX-216, check for corrosion under the seals, and reinstall them with improvement of sealing as per SB F900EX-216 .
- F. Check all the attaching screws of the attachment fitting of nose landing gear actuating cylinder (**500GA**). Particularly check the screws located at the rear of attachment fitting (1): there should be no cracks under their heads (**fig. 3**).

4. NOSE CONE AIR CONDITIONING SYSTEM (AT FRAME 0)

- A. Check that the suction orifice of nose cone fan (**3HQ**) is not clogged and check for presence and condition of the inlet protector.
- B. Check for presence of blanking covers on nose cone pressure measurement connector and pressure supply connector.
- C. Check that the orifice of butterfly control valve (**903HP**) is not clogged.

5. ELECTRICAL CIRCUITS

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

- A. Visually check the wiring looms and their attachments for:
- cleanliness,
 - visible deterioration,
 - ageing,
 - deterioration due to action of external agents,
 - overheating,
 - abrasion,
 - distortion,
 - marks.
- B. Check that the connectors are correctly connected and identified.

6. HYDRAULIC SYSTEMS

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

NOTE: For hydraulic leak tolerances (Refer to **TASK 20-32-00-910-802**).

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

7. NOSE LANDING GEAR AND NLG DOORS

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

NOTE: For hydraulic leak tolerances (Refer to **TASK 20-32-00-910-802**).

A. Check taxi light (**4LR**) (**fig. 1**)

(1) Visually check for:

- condition,
- security of attachment,
- correct connection of connector,
- cleanliness.

(2) Check that the light transparency is not cracked or broken.

B. Check nose landing gear leg (**3GF**) (**fig. 1**)

(1) At the top of the leg, check that charging/filling valve (1) is fitted with a protective blank (2).

(2) At the bottom of the box structure and of shock absorber (3)

(a) Check for absence of traces of hydraulic fluid.

(b) Check for presence of protective casing (4) on shock absorber HP charging valve (5).

C. Check the following components for condition (**fig. 2**):

- nose landing gear leg (**3GF**) and electrical connections of nose landing gear leg proximity sensors (**3GF1**)/(**3GF2**),
- nose landing gear uplock box (**13GA**),
- nose landing gear leg actuator (**500GA**),
- nose landing gear drag brace (**11GA**),
- mechanism controlling doors (2) (**711AB**)/(**712AB**) and electrical connections of nose gear main door proximity sensors (**L3DG**)/(**R3DG**).

D. Check the condition of the electrical connectors and that they are correctly connected to nose steering repeater box (**6GH**) and to nose steering system servo (**5GH**) (**fig. 2**).

E. Check the electrical looms for condition:

- attachments,
- sheaths,
- supports.

F. Check the hydraulic piping for condition:

- attachments,
- couplings,
- traces of friction,
- presence of hydraulic fluid.

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- G. Check for hydraulic fluid leaks at the connection with all other equipment items.
- H. Check the middle arm of torque link for installation and the wheel tachometer connector for connection.
- I. Check towing lugs (6) and landing gear uplock (7) and door control rollers (8) for condition (**fig. 1**).
- J. Check the sliding rods for cleanliness (**fig. 2**):
 - shock absorber (1),
 - nose landing gear leg actuator (**500GA**),
 - nose landing gear drag brace (**11GA**).
- K. Check doors (**711AB**), (**712AB**), (**713AB**) and (**714AB**) for:
 - impact marks,
 - delamination.
 - attachment,
 - correct operation of linkage and hinges.
- L. Check the safetying devices for:
 - condition,
 - efficiency (pins, piping).
- M. Check the bonding braids for condition.

8. AIR DATA SYSTEM

- A. Check for absence of water in the air data circuit drain bowl.

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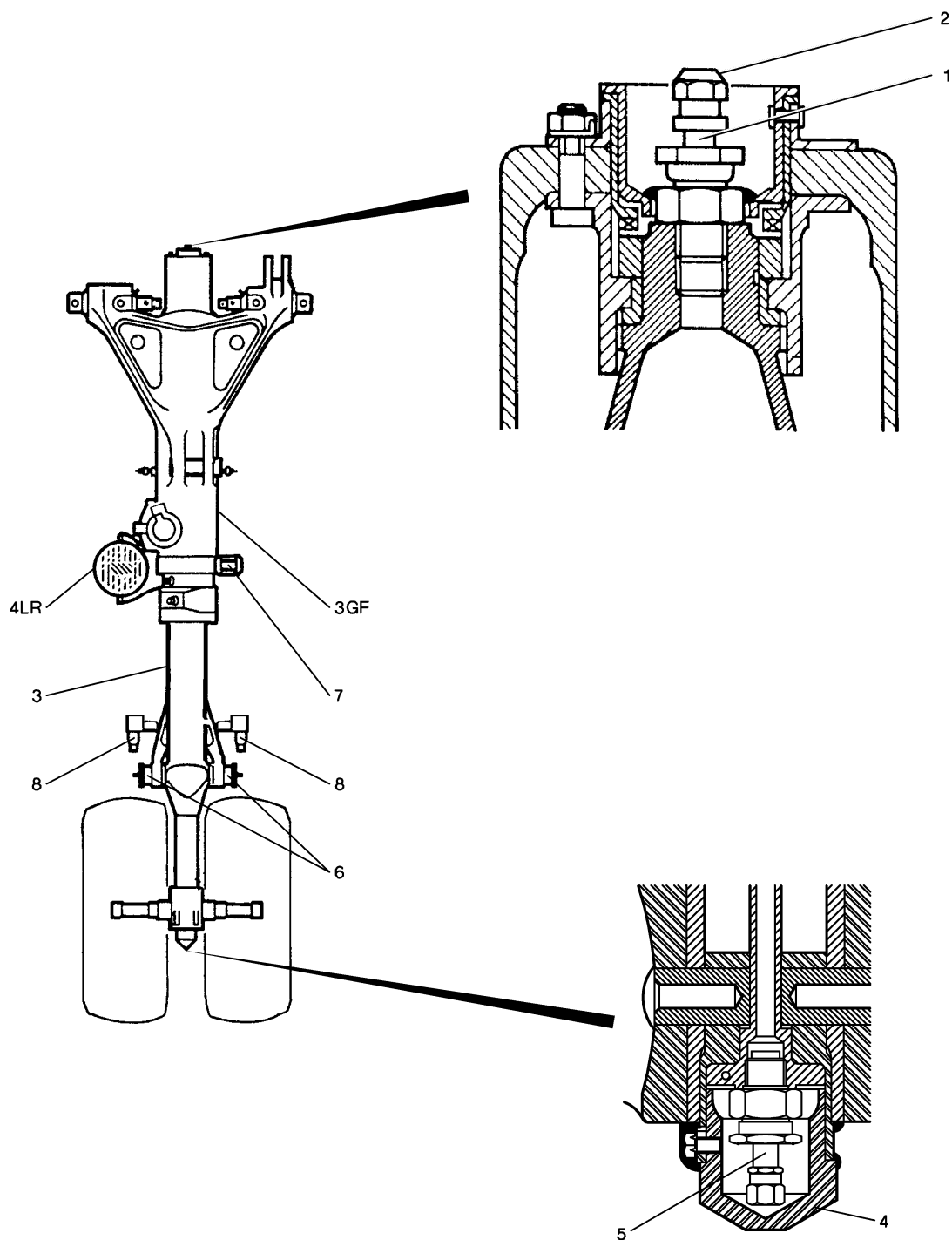


Figure 1: Location of Equipment Items of Nose Landing Gear

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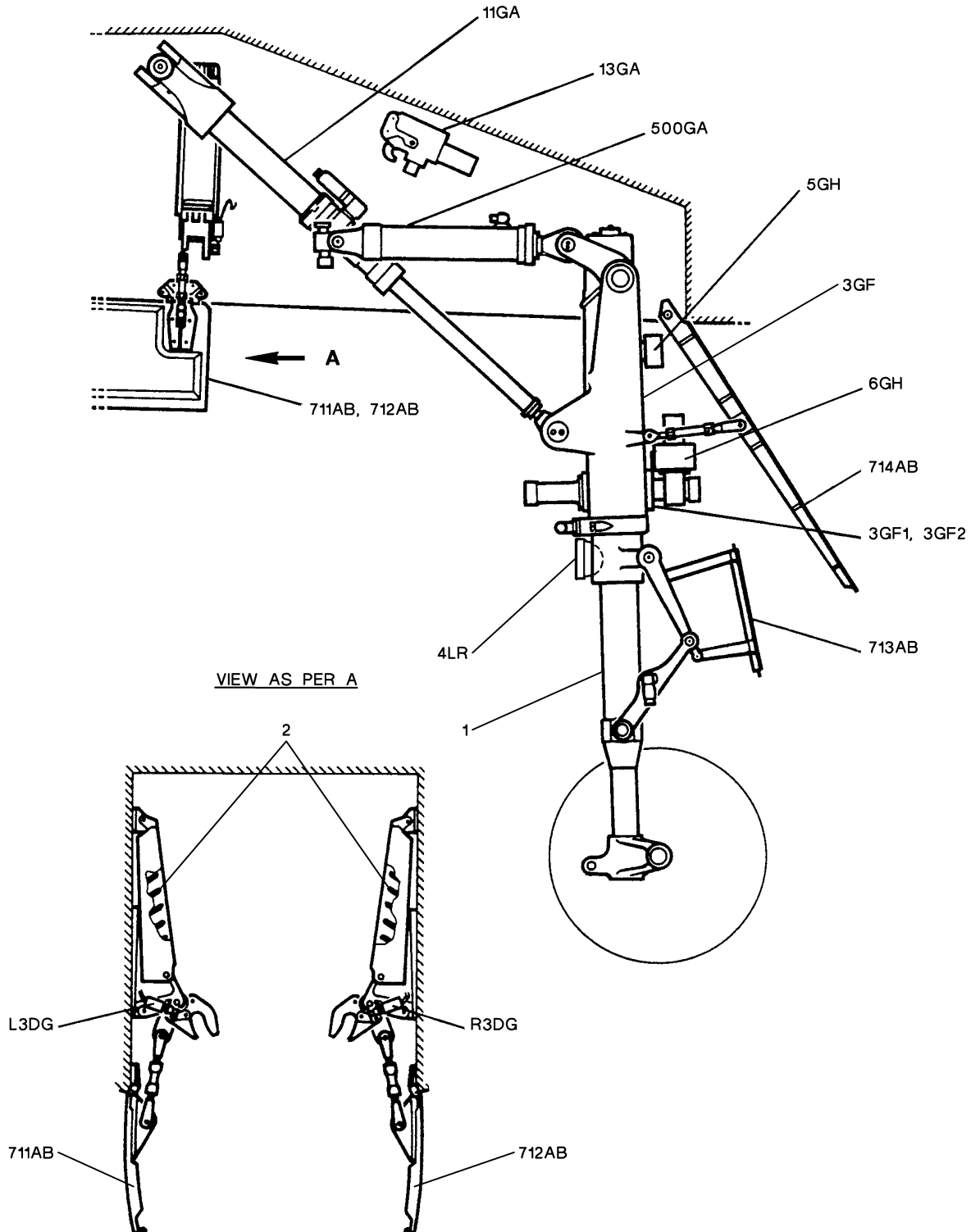


Figure 2: Nose Landing Gear and NLG Doors

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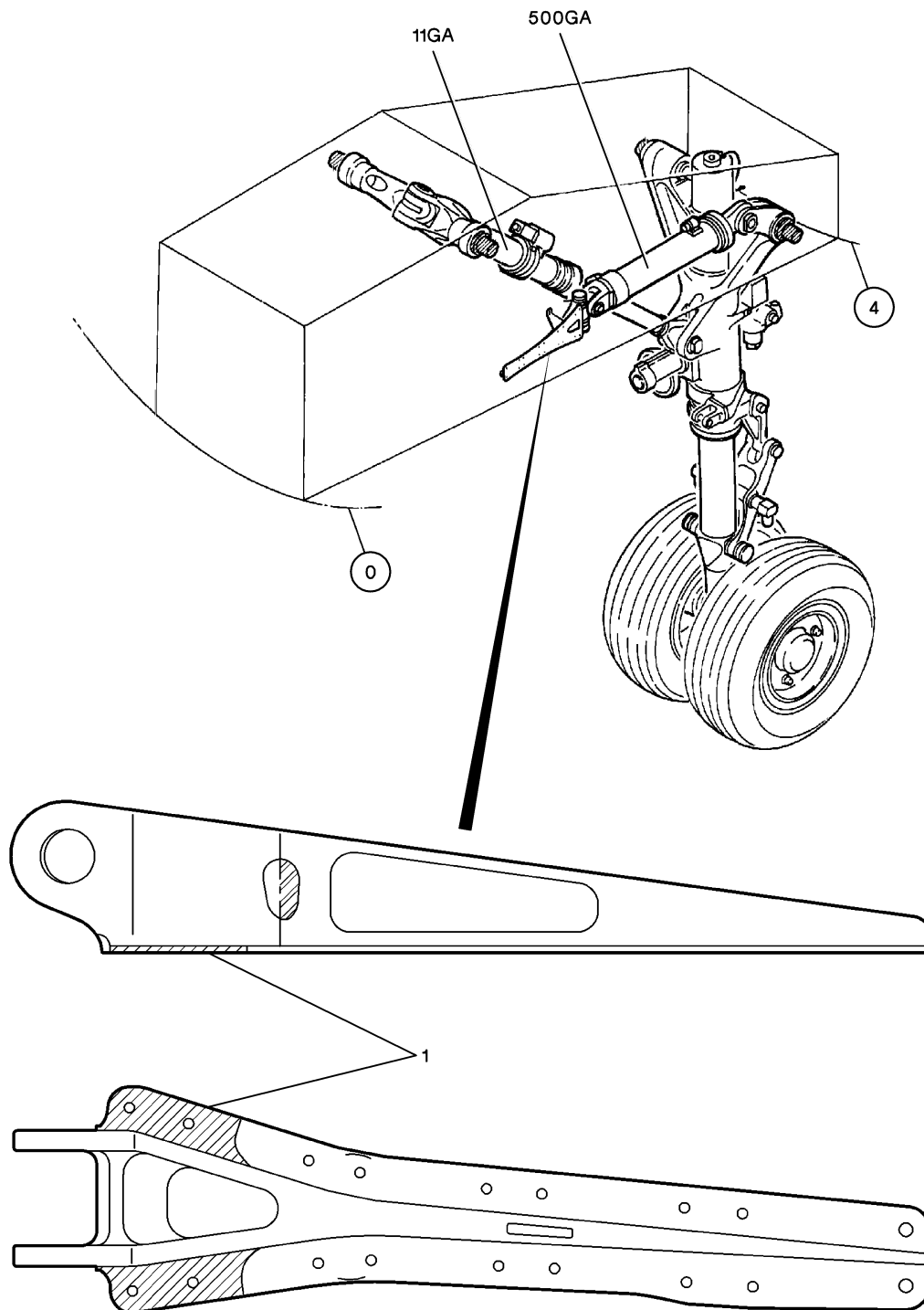


Figure 3: Visual Inspection of Attachment Fitting