

JIC: **A320-32-31-03 / 00**

Title: **INSPECTION OF SENSORS NLG AND CONNECTORS**

Area:

ATA: **32-31**

Special Codes:

A/C: **BIS**

Job Instruction Card for - / -

ITEM ONE - INSPECTION OF SENSORS NLG AND CONNECTORS

Panels: none

Zones: 123 (NOSE GEAR WELL SIDE: LH), 124 (NOSE GEAR WELL SIDE: RH)

References: AMM: 24-41-00

AMM: 32-00-00

AMM: 32-22-00

AMM: 32-31-73

AMM: 32-69-00

ESPM: 20-48

ESPM: 20-52-12

ESPM: 20-52-13

ESPM: 20-53-51

ESPM: 20-55

Material: ARDROX AV30

RUST INHIBITOR

0.1 req.

1-APPROVAL DATE

PREPARED BY: 23521; 08-FEB-2017

APPROVED BY: 23543; 12-FEB-2017

MECH

INSP

2-GENERAL

MECH

INSP

⚠ WARNING

PUT THE SAFETY DEVICES AND THE WARNING NOTICES IN POSITION BEFORE YOU START A TASK ON OR NEAR:

- THE FLIGHT CONTROLS
- THE FLIGHT CONTROL SURFACES
- THE LANDING GEAR AND THE RELATED DOORS
- COMPONENTS THAT MOVE.

MOVEMENT OF COMPONENTS CAN KILL OR CAUSE INJURY TO PERSONS AND/OR CAN CAUSE DAMAGE TO THE EQUIPMENT.

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3-JOB SET UP

TOOLS AND REFERENCES.

REFERENCE	QTY	DESIGNATION
No specific	1	ACCESS PLATFORM 2M (6 FT)
No specific	AR	CAP - BLANKING
No specific	AR	SAFETY BARRIER(S)
No specific	AR	SAFETY CLIP - CIRCUIT BREAKER
No specific	AR	WARNING NOTICE(S)

MECH

INSP

4-PREPARATION

A. Safety Precautions

- (1) Put the SAFETY BARRIER(S) in position.
- (2) Make sure that the ground safety locks are on the landing gear.
(Ref. AMM 32-00-00) .
- (3) On the panel 400VU:
 - make sure that the landing-gear control-lever 6GA is in the DOWN position
 - put a WARNING NOTICE(S) in position to tell persons not to operate the landing gear or the landing gear doors.
- (4) Put a WARNING NOTICE(S) on the GRAVITY GEAR EXTN handle (panel 110VU) to tell persons not to operate the landing gear.

B. Get Access

- (1) Put the ACCESS PLATFORM 2M (6 FT) in position below the applicable zone 123 (124).
- (2) Open the NLG doors (Ref. AMM 32-22-00).
- (3) Make sure that a SAFETY PIN - NLG DOOR (98D32203502000) is installed in each NLG door.

C. Flight Configuration Precautions

- (1) If the electrical power is not necessary for other maintenance tasks, de-energize the aircraft electrical circuits
(Ref. AMM 24-41-00) .
Then, it is not necessary to open the LGCIU circuit breakers.
- (2) If the electrical power is necessary, do the precautions for flight configuration before you open the LGCIU circuit breakers.
(Ref. AMM 32-00-00)

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5-OPEN CIRCUIT BREAKERS

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Open, safety and tag these circuit breakers.

PANEL	DESIGNATION	FIN	LOCATION
49VU	L/G/LGCIU/SYS1/NORM	1GA	C09
121VU	HYDRAULIC/LGCIU/SYS2	2GA	Q35
121VU	HYDRAULIC/LGCIU/SYS1/GRND SPLY	52GA	Q34

EMB SB 32-1346 for A/C 001-001, 051-052, 101-110, 151-152, 201-201, 401-402, 551-552, 658-659, 708-708, 852-852, 901-901, 914-914, 930-930, 945-945

PANEL	DESIGNATION	FIN	LOCATION
121VU	LGCIU/BAT SPLY/SYS2	59GA	R33
121VU	LGCIU/BAT SPLY/SYS1	58GA	R32

6-DETAILED VISUAL INSPECTION

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Please see work step #15 pictures.

- A. Disconnect the electrical connector 24GA(A), 25GA(A) from proximity-sensors 24GA,25GA.
(Ref. AMM 32-31-73)
- B. Disconnect the electrical connector 30GA(A), 31GA(A) from proximity-sensors 30GA, 31GA.
(Ref. AMM 32-31-73)
- C. Perform connectors damage check procedure.
(Ref.ESPM 20-53-51).
 - 1. In case of damage or corrosion presence please do step 8.
 - 2. If there is no damage or corrosion presence please do step 7 `CLEANING OF CONNECTORS`.
(Ref.ESPM 20-55)
- D. Perform DETAILED VISUAL INSPECTION NLG harness sensors and connectors.
(Ref. ESPM 20-52-12, 20-52-13).

7-CLEANING

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PERFORM CLEANING OF CONNECTORS ACC ESPM 20-55.

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8-REPLACEMENT OF CONNECTORS

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NOTE

This step should be performed only in case of damage or corrosion presence in accordance with step 6.

PLEASE MAKE REPLACEMENT OF CONNECTORS ACC ESPM 20-48.

NOTE

A new standard of stainless steel bayonet connector ABS2426 specification is now available and fully interchangeable with EN3646 (made of Aluminum alloy) as per the IPC. Airbus recommends using this new ABS2426 standard as the preferred part number to avoid corrosion issue.

9-CONNECT THE ELECTRICAL CONNECTORS

MECH

INSP

Please see work step # 15 pictures.

Connect the electrical connectors.

A. After performing Steps 6,7,8 connect the electrical connectors:

- (1). 24GA(A), 25GA(A) to proximity-sensors 24GA,25GA.
 - (2). 30GA(A), 31GA(A) to proximity-sensors 30GA, 31GA.
- (Ref. AMM 32-31-73).

10-PROTECTIVE COATING

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After connected of these connectors use Dinitrol AV30 on outer surface of connected connectors for sealing. (Ref.: Airbus TFU32.00.00.007 and SIL32-078).

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11-CLOSE CIRCUIT BREAKERS

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Remove the safety clip(s) and the tag(s) and close this(these) circuit breaker(s):

PANEL	DESIGNATION	FIN	LOCATION
49VU	L/G/LGCIU/SYS1/NORM	1GA	C09
121VU	HYDRAULIC/LGCIU/SYS2	2GA	Q35
121VU	HYDRAULIC/LGCIU/SYS1/GRNT SPLY	52GA	Q34

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PANEL	DESIGNATION	FIN	LOCATION
121VU	LGCIU/BAT SPLY/SYS2	59GA	R33
121VU	LGCIU/BAT SPLY/SYS1	58GA	R32

12-GROUND CONFIGURATION

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If you did not de-energize the aircraft electrical circuits, put the aircraft back to the ground configuration (Ref. AMM 32-00-00) .

13-GET ACCESS

MECH

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- (1) Make sure that the work area is clean and clear of tools and other items.
- (2) Remove the access platform(s).
- (3) Close the NLG doors
(Ref. AMM 32-22-00) .

14-TEST

MECH

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Do a BITE test of the landing gear (Ref. AMM 32-69-00).

15-CLOSE-UP

MECH

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Removal of Equipment

- (1) Remove the SAFETY BARRIER(S) .
- (2) Remove the warning notice(s).
- (3) Remove the ground support and maintenance equipment, the special and standard tools and all other items.

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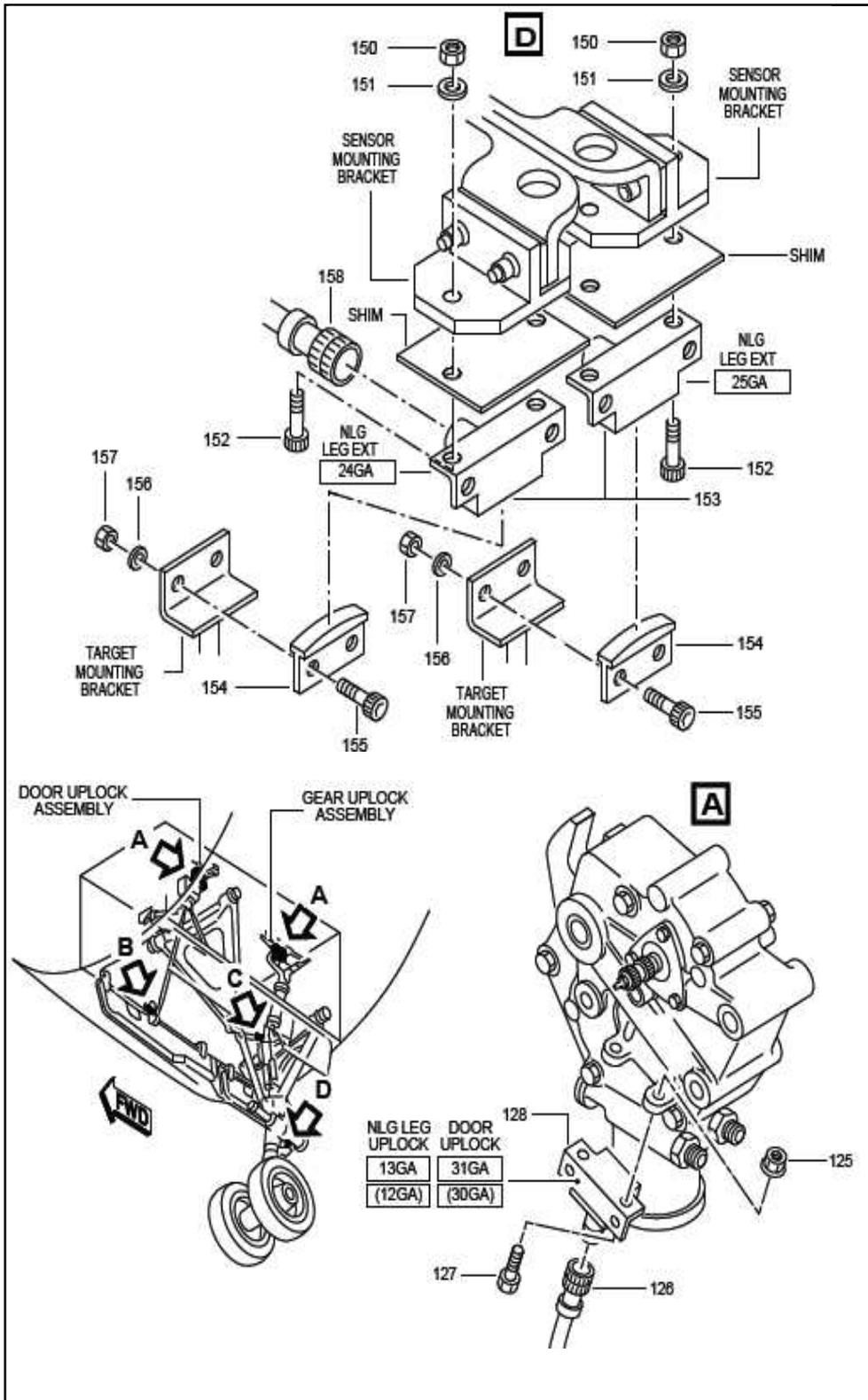
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16-PICTURES

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