



## AIRCRAFT MAINTENANCE MANUAL

### NOSE LANDING GEAR AUXILIARY BRACE STRUT - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedure to restore the auxiliary brace strut of the nose landing gear (NLG).
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
32-20-03-900-801-A ♦	NLG AUXILIARY BRACE STRUT - RESTO- ALL RATION	
32-20-03-900-802-A	NLG LOWER AUXILIARY DRAG STRUT ASSY - RESTORATION	ALL



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TASK 32-20-03-900-801-A

EFFECTIVITY: ALL

2. NLG AUXILIARY BRACE STRUT - RESTORATION

A. General

- (1) Refer to Component Maintenance Manual (CMM) 32-21-20 to restore the NLG auxiliary brace strut.

B. References

REFERENCE	DESIGNATION
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 32-20-03-000-801-A/400	AUXILIARY BRACE STRUT OF THE NOSE LANDING GEAR - REMOVAL
AMM TASK 32-20-03-400-801-A/400	AUXILIARY BRACE STRUT OF THE NOSE LANDING GEAR - INSTALLATION
SB145-32-0036	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

Not Applicable

I. Preparation

*SUBTASK 841-002-A*

- (1) For aircraft PRE-MOD [SB145-32-0036](#), make sure that the pressure in hydraulic system No. 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (2) For aircraft POST-MOD [SB145-32-0036](#), install safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) Remove the NLG auxiliary brace strut ([AMM TASK 32-20-03-000-801-A/400](#)).



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J. Restore NLG Auxiliary Brace Strut ([Figure 201](#))

SUBTASK 900-002-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-20 to restore the NLG auxiliary brace strut.

K. Follow-on ([Figure 201](#))

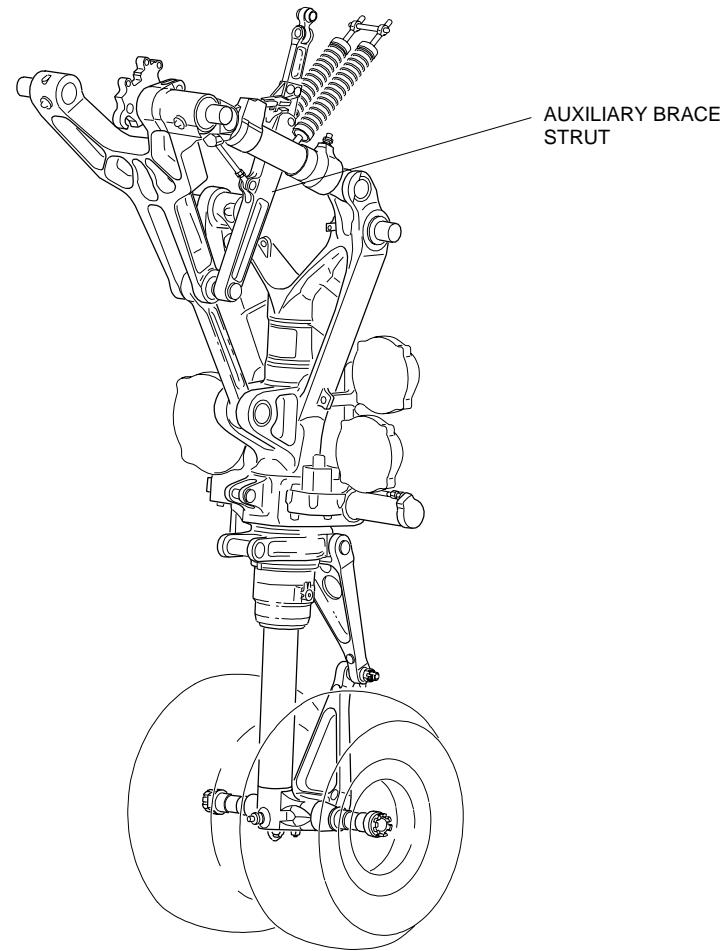
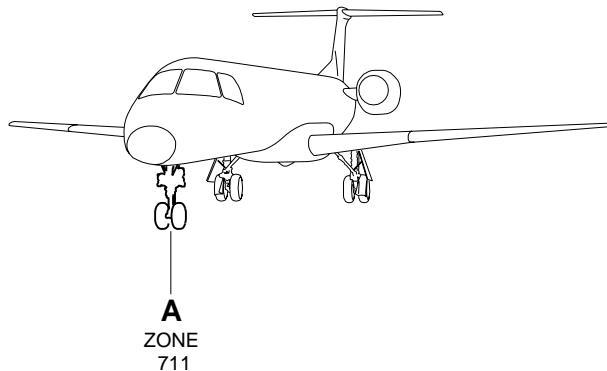
SUBTASK 842-002-A

- (1) Install the NLG main brace strut ([AMM TASK 32-20-03-400-801-A/400](#)).
- (2) For aircraft POST-MOD [SB145-32-0036](#), remove safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

EFFECTIVITY: ALL

NLG Auxiliary Brace Strut - Restoration

Figure 201



DET. A

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**TASK 32-20-03-900-802-A**

**EFFECTIVITY: ALL**

**3. NLG LOWER AUXILIARY DRAG STRUT ASSY - RESTORATION**

**A. General**

- (1) Refer to Component Maintenance Manual (CMM) 32-21-20 to restore the NLG Lower Auxiliary Drag Strut Assy.

**B. References**

REFERENCE	DESIGNATION
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 32-20-03-000-801-A/400	AUXILIARY BRACE STRUT OF THE NOSE LANDING GEAR - REMOVAL
AMM TASK 32-20-03-400-801-A/400	AUXILIARY BRACE STRUT OF THE NOSE LANDING GEAR - INSTALLATION
<b>SB145-32-0036</b>	-

**C. Zones and Accesses**

Not Applicable

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

Not Applicable

**F. Consumable Materials**

Not Applicable

**G. Expandable Parts**

Not Applicable

**H. Persons Recommended**

Not Applicable

**I. Preparation**

**SUBTASK 841-005-A**

- (1) For aircraft PRE-MOD **SB145-32-0036**, make sure that the pressure in hydraulic system No. 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (2) For aircraft POST-MOD **SB145-32-0036**, install safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) Remove the NLG auxiliary drag strut ([AMM TASK 32-20-03-000-801-A/400](#)).



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### J. Restore NLG Lower Auxiliary Drag Strut Assy

#### SUBTASK 900-005-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-20 to restore the NLG Lower Auxiliary Drag Strut Assy.

### K. Follow-on

#### SUBTASK 842-005-A

- (1) Install the NLG auxiliary drag strut ([AMM TASK 32-20-03-400-801-A/400](#)).
- (2) For aircraft POST-MOD [SB145-32-0036](#), remove safety pin of the NLG doors solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).