



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**NOSE-LANDING-GEAR MAIN BRACE STRUT - MAINTENANCE PRACTICES**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to restore the main 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
32-20-02-900-801-A ♦	NLG MAIN BRACE STRUT - RESTORATION	ALL
32-20-02-900-802-A	NLG MAIN DRAG STRUT BOTTOM STAY ASSY - RESTORATION	ALL



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TASK 32-20-02-900-801-A

EFFECTIVITY: ALL

2. NLG MAIN BRACE STRUT - RESTORATION

A. General

- (1) Refer to the last revision of Component Maintenance Manual (CMM) 32-21-15 to restore the NLG main 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 32-20-02-000-801-A/400	MAIN BRACE STRUT OF THE NOSE LANDING GEAR - REMOVAL
AMM TASK 32-20-02-400-801-A/400	MAIN 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 main brace strut ( AMM TASK 32-20-02-000-801-A/400).



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

SUBTASK 900-002-A

- (1) Refer to the last revision of the LIEBHERR CMM 32-21-15 to restore the NLG main brace strut.

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

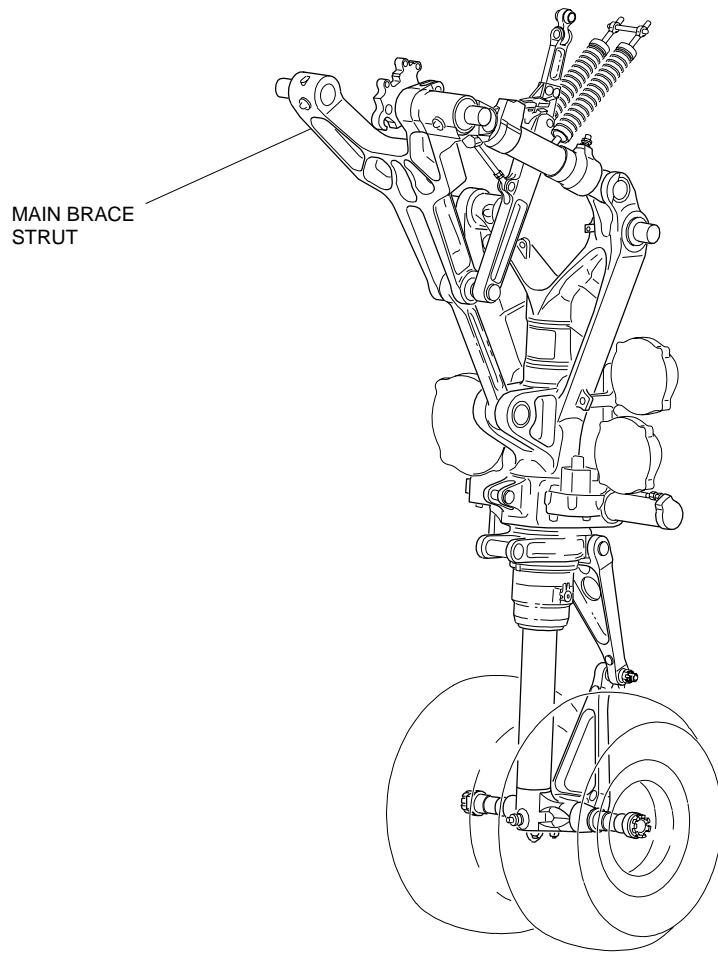
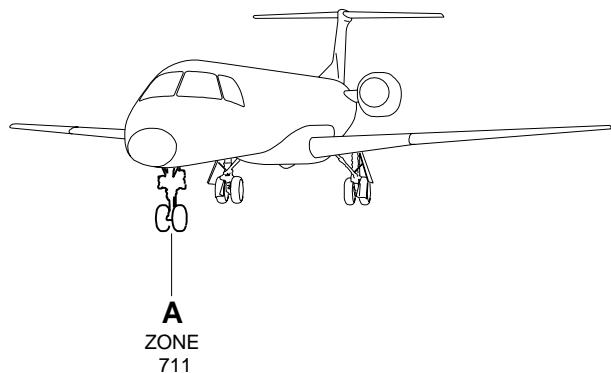
SUBTASK 842-002-A

- (1) Install the NLG main brace strut ( [AMM TASK 32-20-02-400-801-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 Main Brace Strut - Restoration

Figure 201



**DET. A**

145AMM320058.MCE A

TASK 32-20-02-900-802-A

*EFFECTIVITY: ALL*

**3. NLG MAIN DRAG STRUT BOTTOM STAY ASSY - RESTORATION**

**A. General**

- (1) Refer to the last revision of Component Maintenance Manual (CMM) 32-21-15 to restore the NLG Main Drag Strut Bottom Stay Assy.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
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 32-20-02-000-801-A/400	MAIN BRACE STRUT OF THE NOSE LANDING GEAR - REMOVAL
AMM TASK 32-20-02-400-801-A/400	MAIN 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 841-005-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 main drag strut ([AMM TASK 32-20-02-000-801-A/400](#)).



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J. Restore NLG Main Drag Strut Bottom Stay Assy

SUBTASK 900-005-A

- (1) Refer to the last revision of the LIEBHERR CMM 32-21-15 to restore the NLG Main Drag Strut Bottom Stay Assy.

K. Follow-on

SUBTASK 842-005-A

- (1) Install the NLG main drag strut ([AMM TASK 32-20-02-400-801-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](#)).