



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

NOSE-LANDING-GEAR LEG - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to restore the nose landing gear leg.
- 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
32-20-01-900-801-A ♦	NLG LEG - RESTORATION	ALL
32-20-01-900-802-A	NLG SLIDING TUBE ASSY - RESTORA- TION	ALL
32-20-01-900-803-A	NLG STEERING CUFF ASSY - RESTORA- TION	ALL
32-20-01-900-804-A	NLG TORQUE LINK ASSY - RESTORA- TION	ALL



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TASK 32-20-01-900-801-A

EFFECTIVITY: ALL

2. NLG LEG - RESTORATION

A. General

- (1) Refer to the Component Maintenance Manual (CMM) 32-21-10 to restore the NLG leg.

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 32-20-01-000-801-A/400	NOSE LANDING-GEAR LEG - REMOVAL
AMM TASK 32-20-01-400-801-A/400	NOSE LANDING-GEAR LEG - 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 leg ([AMM TASK 32-20-01-000-801-A/400](#)).

J. Restore Nose Landing Gear (NLG) ([Figure 201](#))

SUBTASK 900-002-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-10 to restore the NLG leg.



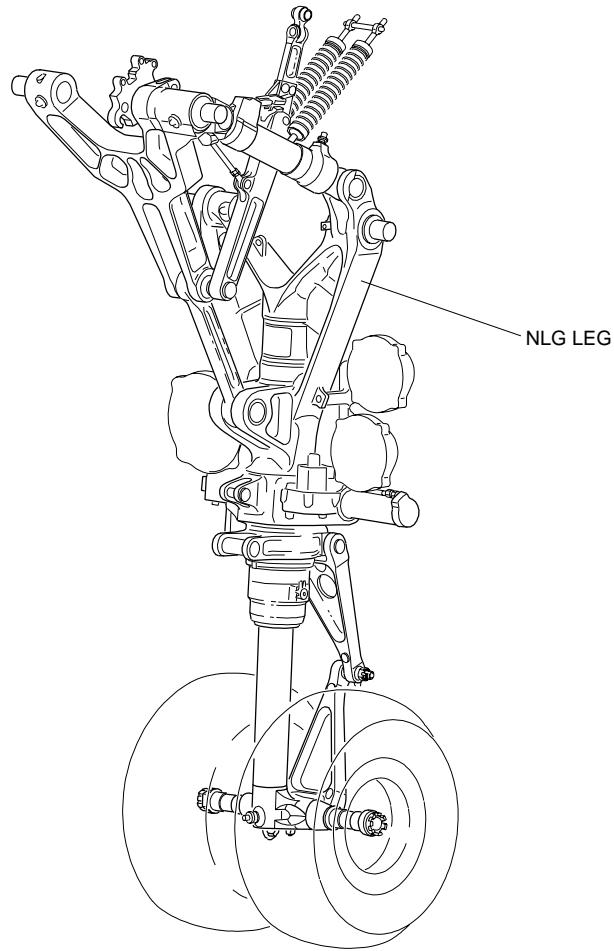
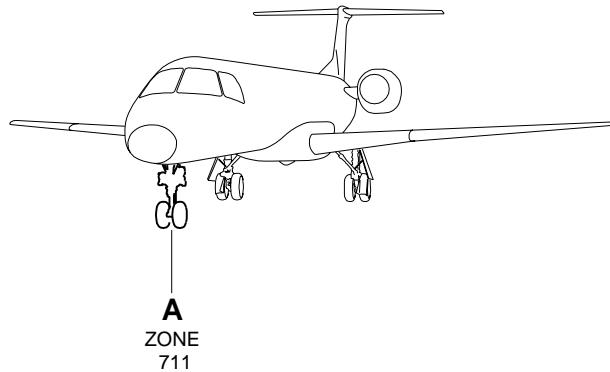
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K. Follow-on ([Figure 201](#))

SUBTASK 842-002-A

- (1) Install the NLG leg ([AMM TASK 32-20-01-400-801-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 Leg - Restoration
Figure 201



DET. A

145AMM320059.MCE A

TASK 32-20-01-900-802-A
EFFECTIVITY: ALL
3. NLG SLIDING TUBE ASSY - RESTORATION
A. General

- (1) Refer to the Component Maintenance Manual (CMM) 32-21-10 to restore the NLG Sliding Tube 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 32-20-01-000-801-A/400	NOSE LANDING-GEAR LEG - REMOVAL
AMM TASK 32-20-01-400-801-A/400	NOSE LANDING-GEAR LEG - 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 841-007-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 leg ([AMM TASK 32-20-01-000-801-A/400](#)).



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J. Restore Nose Landing Gear (NLG) Sliding Tube Assy

SUBTASK 900-007-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-10 to restore the NLG Sliding Tube Assy.

K. Follow-on

SUBTASK 842-007-A

- (1) Install the NLG leg ([AMM TASK 32-20-01-400-801-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](#)).

TASK 32-20-01-900-803-A
EFFECTIVITY: ALL
4. NLG STEERING CUFF ASSY - RESTORATION
A. General

- (1) Refer to the Component Maintenance Manual (CMM) 32-21-10 to restore the NLG Steering Cuff 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 32-20-01-000-801-A/400	NOSE LANDING-GEAR LEG - REMOVAL
AMM TASK 32-20-01-400-801-A/400	NOSE LANDING-GEAR LEG - 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 841-009-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 leg ([AMM TASK 32-20-01-000-801-A/400](#)).



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J. Restore Nose Landing Gear (NLG) Steering Cuff Assy

SUBTASK 900-009-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-10 to restore the NLG Steering Cuff Assy.

K. Follow-on

SUBTASK 842-009-A

- (1) Install the NLG leg ([AMM TASK 32-20-01-400-801-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](#)).



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TASK 32-20-01-900-804-A

EFFECTIVITY: ALL

5. NLG TORQUE LINK ASSY - RESTORATION

A. General

- (1) Refer to the Component Maintenance Manual (CMM) 32-21-10 to restore the NLG Torque Link 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 32-20-01-000-801-A/400	NOSE LANDING-GEAR LEG - REMOVAL
AMM TASK 32-20-01-400-801-A/400	NOSE LANDING-GEAR LEG - 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 841-011-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 leg ([AMM TASK 32-20-01-000-801-A/400](#)).



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J. Restore Nose Landing Gear (NLG) Torque Link Assy

SUBTASK 900-011-A

- (1) Refer to the last revision of LIEBHERR CMM 32-21-10 to restore the NLG Torque Link Assy.

K. Follow-on

SUBTASK 842-011-A

- (1) Install the NLG leg ([AMM TASK 32-20-01-400-801-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](#)).