

## 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 - RESTORATION	ALL
32-20-01-900-803-A	NLG STEERING CUFF ASSY - RESTORATION	ALL
32-20-01-900-804-A	NLG TORQUE LINK ASSY - RESTORATION	ALL

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
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-20-01-000-801-A/400</a>	NOSE LANDING-GEAR LEG - REMOVAL
<a href="#">AMM TASK 32-20-01-400-801-A/400</a>	NOSE LANDING-GEAR LEG - INSTALLATION
<a href="#">SB145-32-0036</a>	-

### 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*

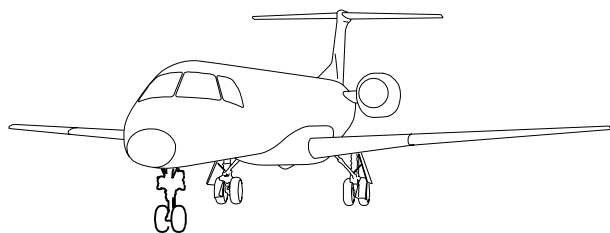
- (1) Refer to the last revision of LIEBHERR CMM 32-21-10 to restore the NLG leg.

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

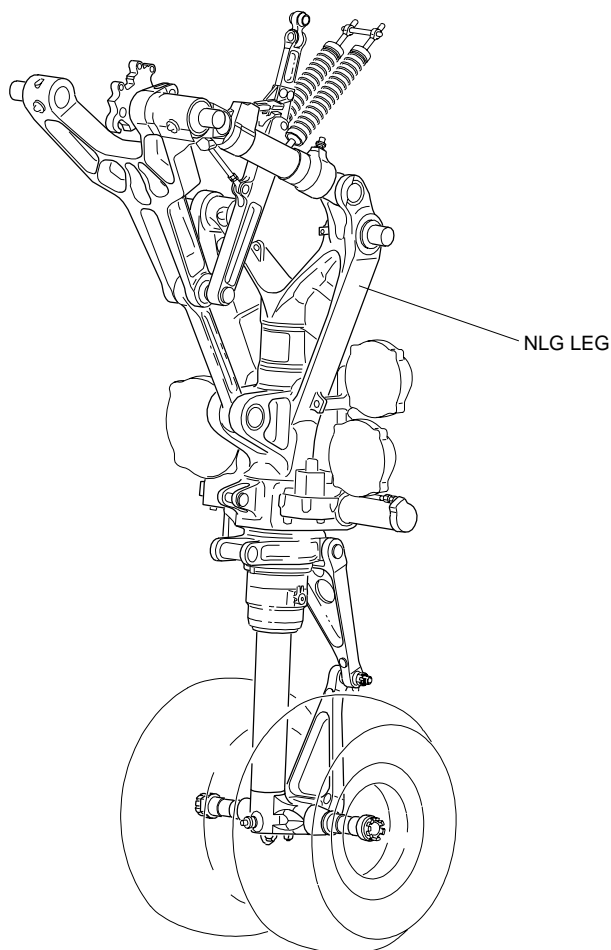
*SUBTASK 842-002-A*

- (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



**A**  
ZONE  
711



**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

REFERENCE	DESIGNATION
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-20-01-000-801-A/400</a>	NOSE LANDING-GEAR LEG - REMOVAL
<a href="#">AMM TASK 32-20-01-400-801-A/400</a>	NOSE LANDING-GEAR LEG - INSTALLATION
<a href="#">SB145-32-0036</a>	-

#### 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](#)).

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

REFERENCE	DESIGNATION
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-20-01-000-801-A/400</a>	NOSE LANDING-GEAR LEG - REMOVAL
<a href="#">AMM TASK 32-20-01-400-801-A/400</a>	NOSE LANDING-GEAR LEG - INSTALLATION
<a href="#">SB145-32-0036</a>	-

##### 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](#)).

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](#)).



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
<a href="#">AMM TASK 29-10-00-860-802-A/200</a>	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-20-01-000-801-A/400</a>	NOSE LANDING-GEAR LEG - REMOVAL
<a href="#">AMM TASK 32-20-01-400-801-A/400</a>	NOSE LANDING-GEAR LEG - INSTALLATION
<a href="#">SB145-32-0036</a>	-

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](#)).

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](#)).