



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

NOSE LANDING GEAR SPRING CARTRIDGE - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This section gives the procedure to restore the nose landing gear (NLG) spring assembly.
- 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
32-20-04-900-801-A	NLG SPRING ASSEMBLY - RESTORATION	ALL



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TASK 32-20-04-900-801-A

EFFECTIVITY: ALL

2. NLG SPRING ASSEMBLY - RESTORATION

A. General

- (1) Refer to the latest revision of Component Maintenance Manual (CMM) 32-21-20 to restore the NLG spring assembly.

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 32-20-04-000-801-A/400	SPRING ASSEMBLIES OF THE NOSE LANDING GEAR - REMOVAL
AMM TASK 32-20-04-400-801-A/400	SPRING ASSEMBLIES 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 841-003-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 spring assembly ([AMM TASK 32-20-04-000-801-A/400](#)).



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J. Restore NLG Spring ([Figure 201](#))

SUBTASK 900-003-A

- (1) Refer to the latest revision of the LIEBHERR CMM 32-21-20 to restore the NLG spring assembly.

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

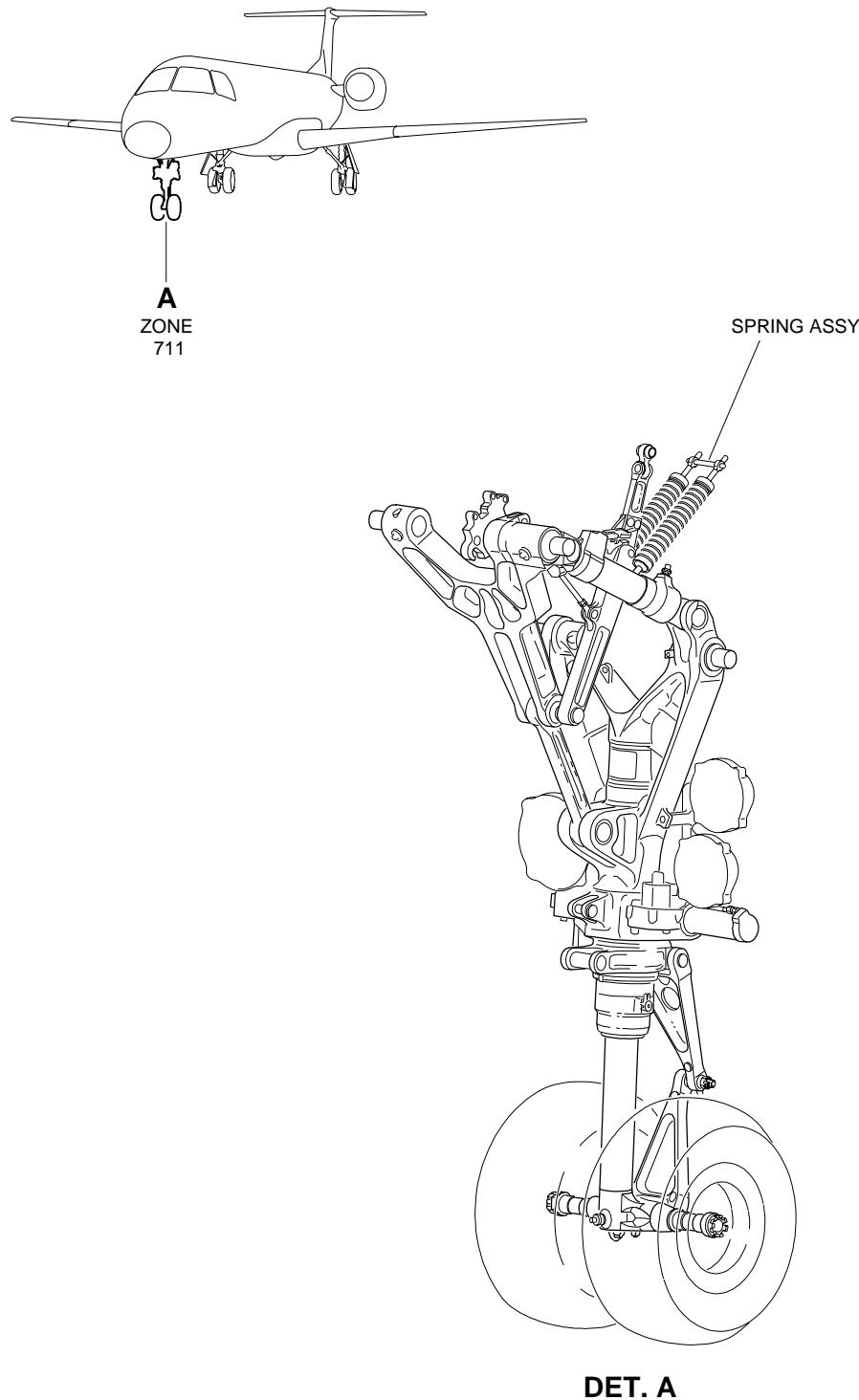
SUBTASK 842-003-A

- (1) Install the NLG spring assembly ([AMM TASK 32-20-04-400-801-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 Spring Assembly - Restoration

Figure 201



DET. A

145AMM320056.MCE A