

NOSE LANDING GEAR SPRING CARTRIDGE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the spring assemblies of the nose landing gear.
- 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 |
|------------------------------------|---|-------------|
| 32-20-04-000-801-A | SPRING ASSEMBLIES OF THE NOSE LANDING GEAR - REMOVAL | ALL |
| 32-20-04-400-801-A | SPRING ASSEMBLIES OF THE NOSE LANDING GEAR - INSTALLATION | ALL |

TASK 32-20-04-000-801-A

EFFECTIVITY: ALL

2. SPRING ASSEMBLIES OF THE NOSE LANDING GEAR - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the spring assemblies of the nose landing gear.

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM TASK 29-10-00-860-802-A/200 | HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP |
| AMM TASK 32-00-01-910-801-A/200 | LG SAFETY PIN - INSTALLATION AND REMOVAL |
| AMM TASK 32-00-02-910-801-A/200 | SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL |
| SB145-32-0036 | - |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|-------------------------|-----------------------|----------------------|-----|
| GSE 097 | Tool, Spring Mounting | To Remove the Spring | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-------------------|
| 1 | Does the task | Nose landing gear |

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 the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

- (3) On the circuit breaker panel, open the ELEC PUMP 1 circuit breaker, and attach a DO-NOT-CLOSE tag to it.
- (4) Make sure that the safety pins of the landing gears are installed ([AMM TASK 32-00-01-910-801-A/200](#)).
- (5) Make sure that the pressure in hydraulic system 1 is fully released.
- (6) Install spring mounting tool GSE 097 to the springs.

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

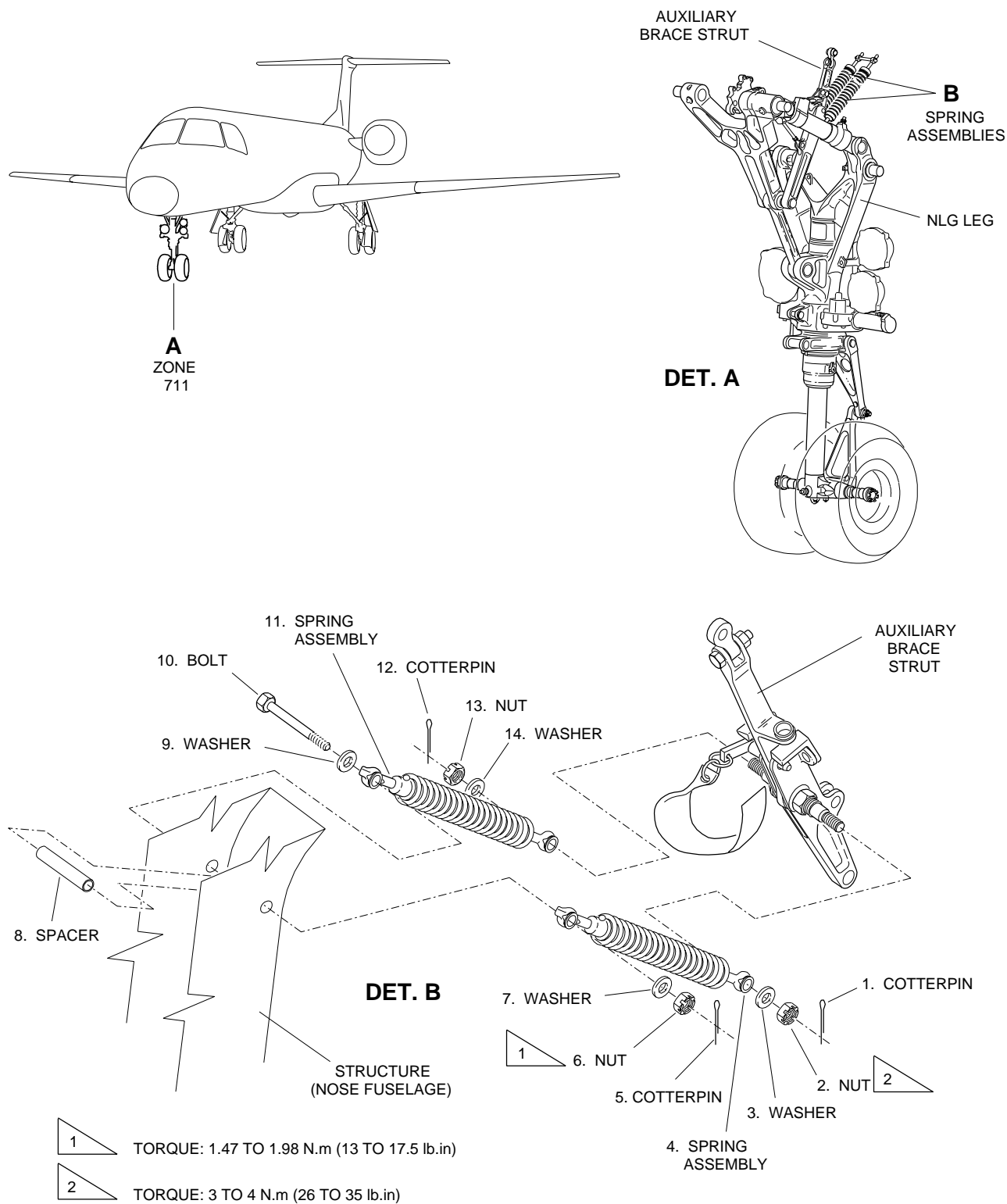
WARNING: MAKE SURE THAT SPRING MOUNTING TOOL GSE 097 IS CORRECTLY ATTACHED TO THE SPRINGS BEFORE YOU REMOVE THEIR ATTACHING ELEMENTS.

- (1) Remove the cotter pins (1) and (12), nuts (2) and (13), and washers (3) and (14).
- (2) Remove the cotter pin (5), nut (6), washers (7) and (9), bolt (10), and spacer (8).
- (3) Remove the spring assemblies (4) and (11).

EFFECTIVITY: ALL

Spring Assemblies of the Nose Landing Gear - Removal/Installation

Figure 401



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TASK 32-20-04-400-801-A
EFFECTIVITY: ALL

3. SPRING ASSEMBLIES OF THE NOSE LANDING GEAR - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the spring assemblies of the nose landing gear.

B. References

| REFERENCE | DESIGNATION |
|---|---|
| AMM TASK 32-00-02-910-801-A/200 | SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL |
| MS24665-153 | - |
| SB145-32-0036 | - |

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

| ITEM | DESCRIPTION | PURPOSE | QTY |
|-------------------------|-------------------------------|-----------------------|-----|
| GSE 097 | Tool, Spring Mounting NLG/MLG | To Install the Spring | |

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expendable Parts

| ITEM | IPC REFERENCE (VENDOR REFERENCE) | QTY |
|------------|-------------------------------------|-----|
| Cotter pin | MS24665-153 | 3 |

H. Persons Recommended

| QTY | FUNCTION | PLACE |
|-----|---------------|-------------------|
| 1 | Does the task | Nose landing gear |

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install spring mounting tool GSE 097 to the spring assemblies (4) and (11).
- (2) Put the spring assemblies (4) and (11) in their installation position between the auxiliary brace strut and the support at the aircraft structure.

- (3) Install the washers (3) and (14) and nuts (2) and (13). Torque to 3 to 4 N.m (26 to 35 lb.in).
- (4) Install the spacer (8), bolt (10), washers (7) and (9), and nut (6). Torque to 1.47 to 1.98 N.m (13 to 17.5 lb.in).
- (5) Install the cotter pins (1), (5), and (12).

J. Follow-on

SUBTASK 842-002-A

- (1) Remove spring mounting tool GSE 097.
- (2) On the circuit breaker panel, close the ELEC PUMP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) For aircraft POST-MOD [SB145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).