

## MAIN 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 main landing gear.
- B. These procedures are applicable to the LH and RH Main Landing Gears.
- C. 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
32-10-05-000-801-A	SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - REMOVAL	ALL
32-10-05-400-801-A	SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - INSTALLATION	ALL

TASK 32-10-05-000-801-A

EFFECTIVITY: ALL

## 2. SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - REMOVAL

### A. General

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

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 32-00-01-910-801-A/200</a>	LG SAFETY PIN - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 32-33-08-000-801-A/400</a>	MAIN LANDING GEAR ACTUATOR - REMOVAL

### C. Zones and Accesses

Not Applicable

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
<a href="#">GSE 097</a>	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	RH or LH MLG leg

### I. Preparation

#### **SUBTASK 841-002-A**

- (1) On the Circuit Breaker Panel, open the ELEC PUMP 1 circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) Make sure that the safety pins of the landing gears are installed ( [AMM TASK 32-00-01-910-801-A/200](#) ).
- (3) Make sure that the pressure in hydraulic system 1 is fully released.
- (4) Release the pressure of the PAX Door/MLG accumulator ( [AMM TASK 32-33-08-000-801-A/400](#) - item I - preparation ).
- (5) Install spring mounting tool GSE 097 to the springs. Refer to [Figure 402](#).

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).

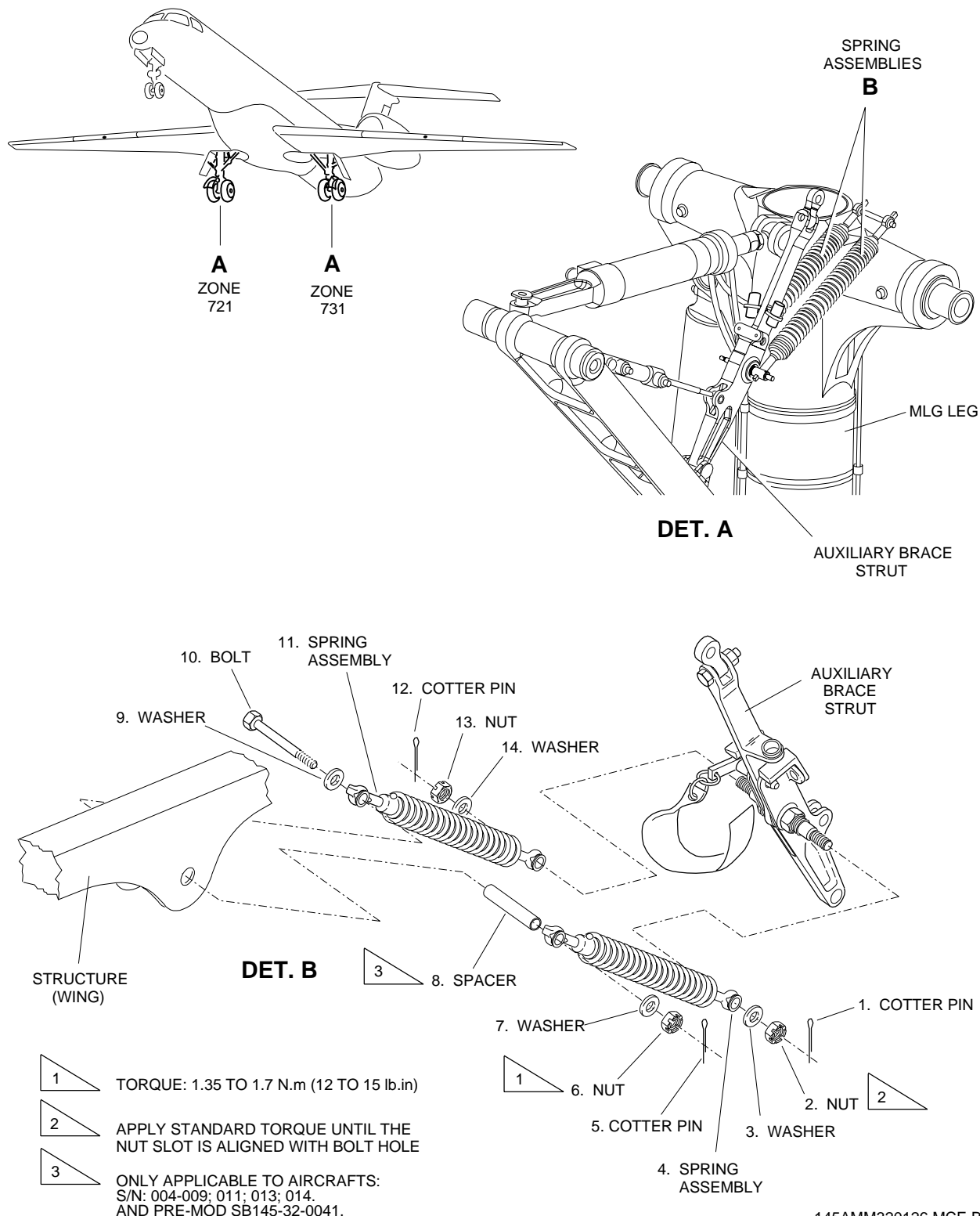
**NOTE:** The safety pin of the landing gear MUST NOT be removal when you do this step.

- (2) Remove the cotter pin (5), nut (6), washers (7) and (9) if applicable (see flag - 4), bolt (10), and spacer (8) if applicable (see flag - 3).
- (3) Remove the spring assemblies (4) and (11), once at a time, together with the GSE 097.

EFFECTIVITY: ALL

Spring Assemblies of the Main Landing Gear - Removal/Installation

Figure 401

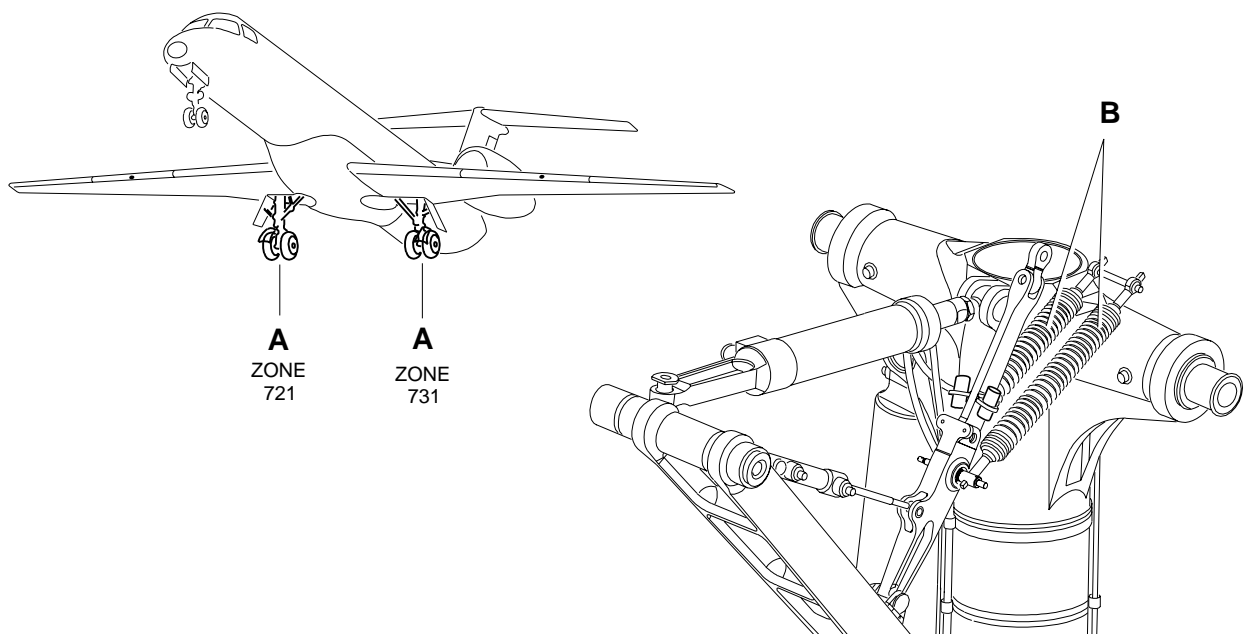


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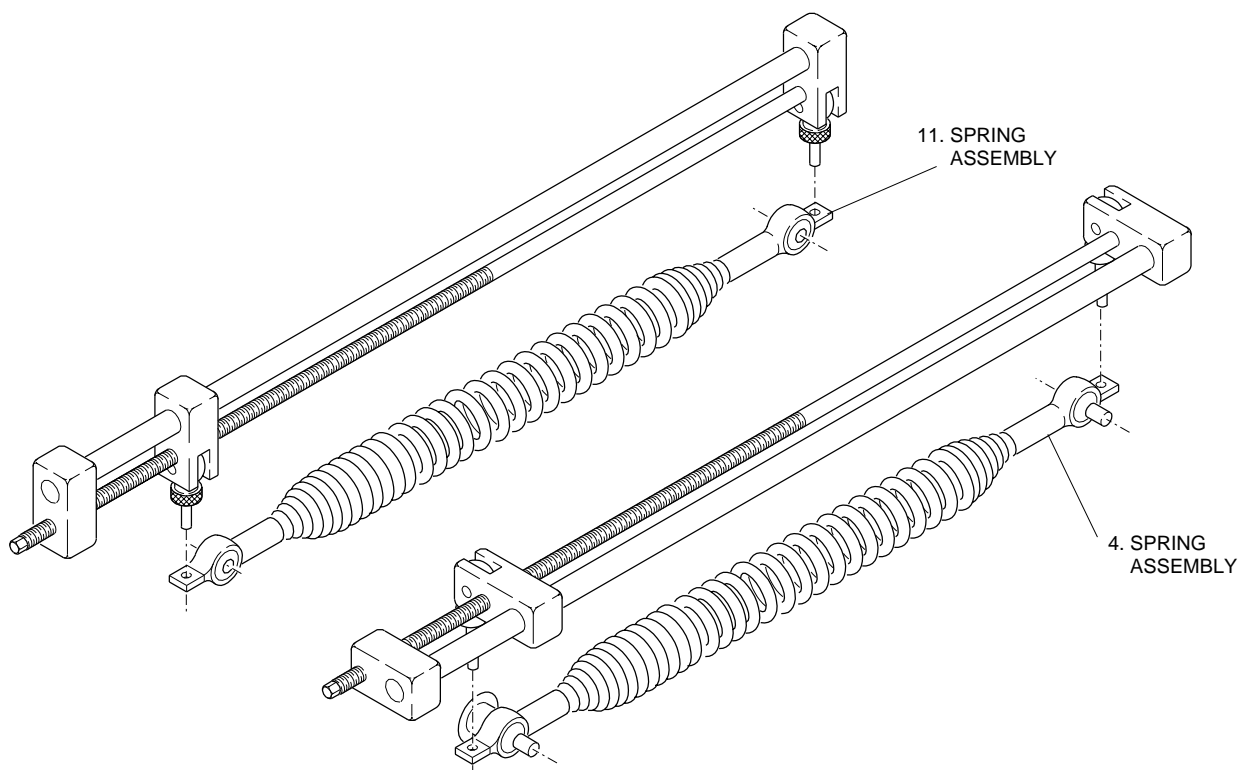
EFFECTIVITY: ALL

Spring Assemblies - GSE Installation

Figure 402



DET. A



DET. B

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TASK 32-10-05-400-801-A

EFFECTIVITY: ALL

### 3. SPRING ASSEMBLIES OF THE MAIN LANDING GEAR - INSTALLATION

#### A. General

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

#### B. References

REFERENCE	DESIGNATION
AMM TASK 12-13-06-600-801-A/300	LANDING GEAR AND MAIN DOOR ACCUMULATOR - CHARGE
MS24665-153	-

#### C. Zones and Accesses

Not Applicable

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 097	Tool, Spring Mounting	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	RH or LH MLG leg

#### I. Installation (Figure 401)

##### SUBTASK 420-002-A

- (1) Install spring mounting tool GSE 097 to the spring assemblies (4) and (11). Refer to Figure 402.
- (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), nuts (2) and (13) and tighten.

- (4) Install the spacer (8) if applicable (see flag - 3), bolt (10), washers (7) and (9) if applicable (see flag - 4), and nut (6). Torque to 1.35 to 1.7 N.m (12 to 15 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) Pressurize the PAX Door/MLG accumulator ([AMM TASK 12-13-06-600-801-A/300](#)).
- (3) On the Circuit Breaker Panel, close the ELEC PUMP 1 circuit breaker and remove the DO-NOT-CLOSE tag from it.

