

## MAIN-DOOR STEP SPRINGS - REMOVAL/INSTALLATION

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR OR ALL, EXCEPT A/C WITH SIDE-HINGED MAIN DOOR, OR PRE-MOD SB 145-52-0005*

### 1. General

- A. This section gives the procedures to remove and install the springs of the first, second, and third steps of the main door.
- B. To remove the springs of the fourth step, refer to [\(AMM TASK 52-11-05-000-801-A/400\)](#).
- C. To install the springs of the fourth step, refer to [\(AMM TASK 52-11-05-400-801-A/400\)](#).
- D. 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
<a href="#">52-10-07-000-801-A</a>	MAIN-DOOR STEP SPRINGS - REMOVAL	AIRCRAFT WITH AIRSTAIRS DOOR OR ALL, EXCEPT A/C WITH SIDE-HINGED MAIN DOOR, OR PRE-MOD SB 145-52-0005
<a href="#">52-10-07-400-801-A</a>	MAIN-DOOR STEP SPRINGS - INSTALLATION	AIRCRAFT WITH AIRSTAIRS DOOR OR ALL, EXCEPT A/C WITH SIDE-HINGED MAIN DOOR, OR PRE-MOD SB 145-52-0005

TASK 52-10-07-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR OR ALL, EXCEPT A/C WITH SIDE-HINGED MAIN DOOR, OR PRE-MOD SB 145-52-0005

## 2. MAIN-DOOR STEP SPRINGS - REMOVAL

### A. General

- (1) This task gives the instructions to remove the springs of the first, second, and third steps of the main door.
- (2) The procedure to remove the springs of the fourth step of the main door is given in ([AMM TASK 52-11-05-000-801-A/400](#)).

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM SDS 52-10-00/1</a>	
<a href="#">AMM TASK 52-10-02-000-801-A/400</a>	MAIN-DOOR STEP-TREAD LINING PANEL - REMOVAL
<a href="#">AMM TASK 52-10-03-000-801-A/400</a>	MAIN DOOR FIRST SECOND AND THIRD STEPS - REMOVAL
<a href="#">AMM TASK 52-11-05-000-801-A/400</a>	MAIN-DOOR INTERNAL ACTUATING-HANDLE TORQUE TUBE - REMOVAL
<a href="#">S.B.145-52-0023</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

QTY	FUNCTION	PLACE
1	Does the task	Main door

### I. Preparation

**SUBTASK 841-002-A**

- (1) Open the main door ([AMM SDS 52-10-00/1](#)).
- (2) Remove the step-tread lining panel ([AMM TASK 52-10-02-000-801-A/400](#)).

J. Removal of the Step Springs ([Figure 401](#))

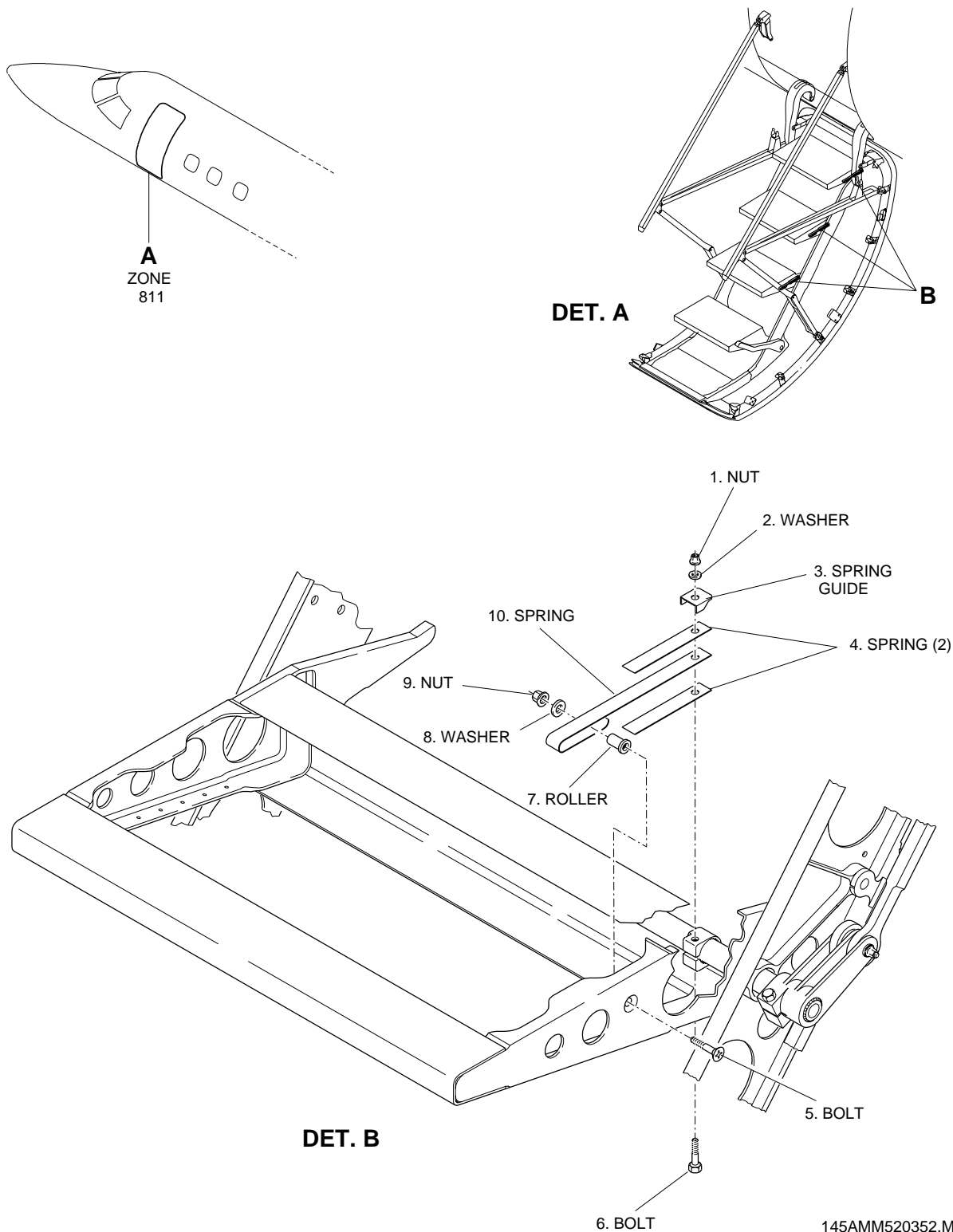
*SUBTASK 020-002-A*

- (1) For aircraft PRE-MOD. [S.B.145-52-0023](#), remove the step springs as given in ( [AMM TASK 52-10-03-000-801-A/400](#)).
- (2) For aircraft POST-MOD. [S.B.145-52-0023](#), refer to ([Figure 401](#)) and remove the step springs as follows:
  - (a) Remove the nuts (1) and (9), washers (2) and (8), spring guide (3), bolt (5), and roller (7).
  - (b) Remove the springs (4) and (10) from the bolt (6).

EFFECTIVITY: POST-MOD. S.B. 145-52-0023

Main-Door Step Springs - Removal/Installation

Figure 401



TASK 52-10-07-400-801-A

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR OR ALL, EXCEPT A/C WITH SIDE-HINGED MAIN DOOR, OR PRE-MOD SB 145-52-0005*

### 3. MAIN-DOOR STEP SPRINGS - INSTALLATION

#### A. General

- (1) This task gives the instructions to install the springs of the first, second, and third steps of the main door.
- (2) The procedure to install the springs of the fourth step of the main door is given in ([AMM TASK 52-11-05-400-801-A/400](#)).

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM SDS 52-10-00/1</a>	
<a href="#">AMM TASK 52-10-02-400-801-A/400</a>	MAIN-DOOR STEP-TREAD LINING PANEL - INSTALLATION
<a href="#">AMM TASK 52-10-03-400-801-A/400</a>	MAIN DOOR FIRST SECOND AND THIRD STEPS - INSTALLATION
<a href="#">AMM TASK 52-11-05-400-801-A/400</a>	MAIN DOOR INTERNAL ACTUATING HANDLE TORQUE TUBE - INSTALLATION
<a href="#">S.B.145-52-0023</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

QTY	FUNCTION	PLACE
1	Does the task	Main door

#### I. Installation of the Step Springs (Figure 401)

*SUBTASK 420-002-A*

- (1) For aircraft PRE-MOD. [S.B.145-52-0023](#), install the step springs as given in ( [AMM TASK 52-10-03-400-801-A/400](#) ).

- (2) NOTE: Obey the installation order and position of the components as shown in (Figure 401).

For aircraft POST-MOD. [S.B.145-52-0023](#), refer to figure 401 and install the step springs as follows:

- (a) Put the bolt (5) and roller (7) in their installation positions.
- (b) Put the springs (4) and (10) in their installation positions in the bolt (6) and in the roller (7).
- (c) Install the spring guide (3), washers (2) and (8), and nuts (1) and (9).

J. Follow-on

*SUBTASK 842-002-A*

- (1) With the steps fully deployed, check the spring of each step. They must not be tensioned or twisted.
  - (a) A tensioned spring indicates that the shaft of the step or the spring support, is wrongly installed. Remove the shaft of the step and install it back correctly ( [AMM TASK 52-10-03-400-801-A/400](#)) and/or ([AMM TASK 52-11-05-400-801-A/400](#)).
- (2) Install the step-tread lining panel ([AMM TASK 52-10-02-400-801-A/400](#)).
- (3) Close the main door ([AMM SDS 52-10-00/1](#)).