



AIRCRAFT MAINTENANCE MANUAL

MAIN-DOOR STEP GAS ACTUATOR - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

1. General

- A. This section gives the procedures to remove and install the gas actuator of the main-door-step actuating mechanism.
- 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
52-13-01-000-801-A	MAIN-DOOR STEP GAS ACTUATOR - REMOVAL	AIRCRAFT WITH AIR-STAIRS DOOR
52-13-01-400-801-A	MAIN-DOOR STEP GAS ACTUATOR - INSTALLATION	AIRCRAFT WITH AIR-STAIRS DOOR



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TASK 52-13-01-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR STEP GAS ACTUATOR - REMOVAL

A. General

- (1) This task gives the procedures to remove the gas actuator from the main-door-step actuating mechanism.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
231		Passenger cabin, LH
811		Main door

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 231	Gas-Spring Compress Device	Removal of the gas actuator	1

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the main door

H. Preparation

SUBTASK 841-002-A

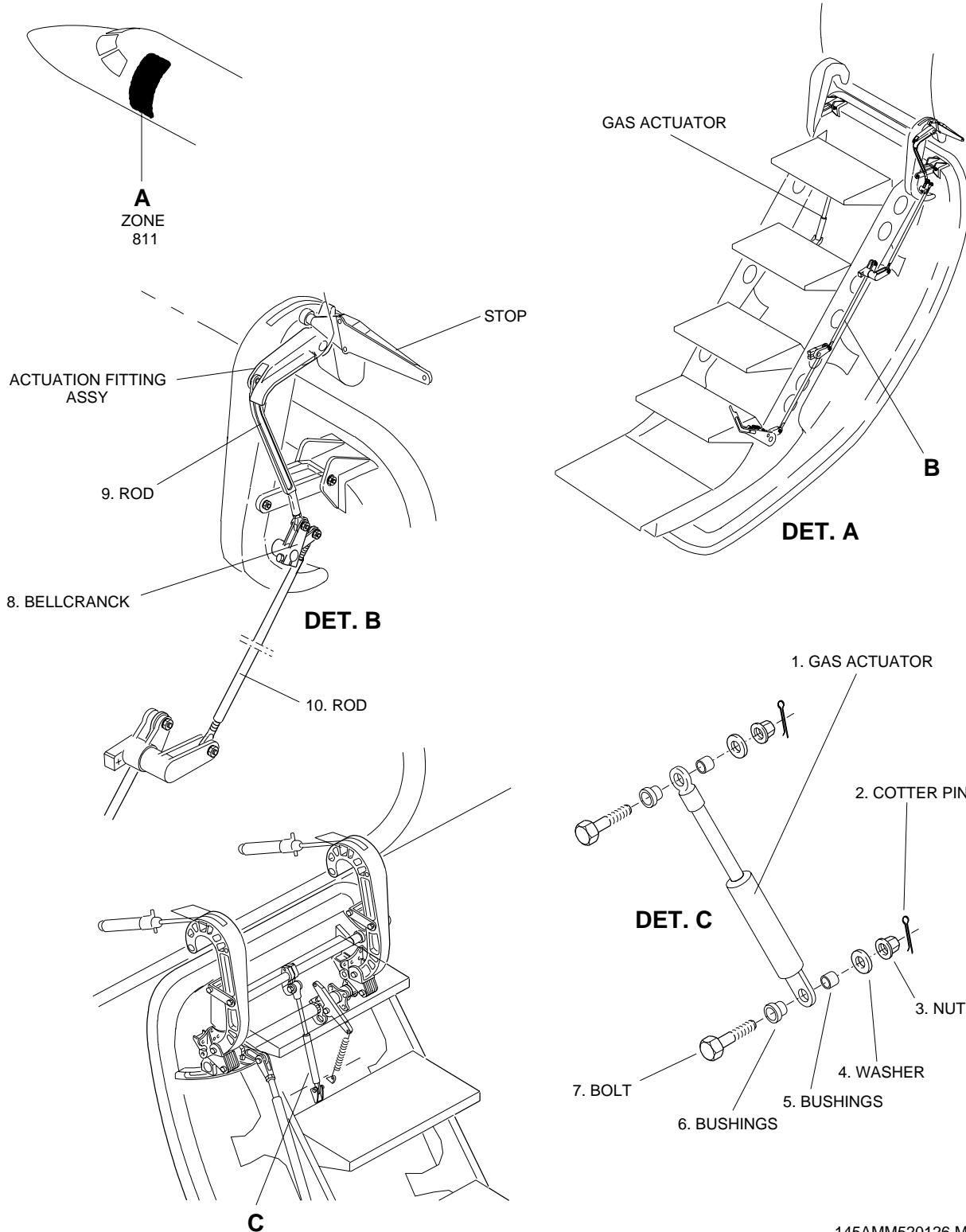
- (1) Open the main door.
- (2) Put the door on the correct stand.
- (3) Remove lining panel 811.

I. Removal (Figure 401)

SUBTASK 020-002-A

- (1) Remove the rod end (9) and rod end (10) from the bellcrank (8).
- (2) Remove the cotter pin (2), nut (3), washer (4), the two bushings (5) and (6), and bolt (7) from the gas actuator (1).
- (3) Remove the gas actuator (1). Use Gas-Spring Compress Device GSE 231.

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR
Main-Door Step Gas Actuator - Removal/Installation
Figure 401



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TASK 52-13-01-400-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

3. MAIN-DOOR STEP GAS ACTUATOR - INSTALLATION

A. General

- (1) This task gives the procedures to install the gas actuator of the main-door-step actuating mechanism.

B. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
231		Passenger cabin, LH
811		Main door

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 231	Gas-Spring Compress Device	Installation of the gas actuator	1

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	On the main door

H. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the gas actuator (1) in position. Use Gas-Spring Compress Device GSE 231.

CAUTION: DO NOT APPLY TIGHTENING TORQUE TO HINGE BOLTS AND NUTS WHERE COTTER PINS ARE TO BE INSTALLED TO PREVENT JAMMING OF MECHANISMS. TIGHTEN ONLY SUFFICIENTLY TO KEEP A MINIMUM AXIAL CLEARANCE.

- (2) Put the bolt (7), bushing (5) and (6), and washer (4) in position, tighten the nut (3), and install the cotter pin (2).
- (3) Install the rod ends (9) and (10) to the bellcrank (8).



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I. Follow-on

SUBTASK 842-002-A

- (1) Install lining panel 811.
- (2) Remove the door from the stand.
- (3) Close the main door.

