



AIRCRAFT MAINTENANCE MANUAL

MAIN DOOR HANDRAIL - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

1. General

- A. This section gives the procedures to remove and install the handrails of the main door.
- B. These procedures are applicable to the two handrails.
- 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
52-10-05-000-801-A	MAIN DOOR HANDRAIL - REMOVAL	AIRCRAFT WITH AIR-STAIRS DOOR
52-10-05-400-801-A	MAIN DOOR HANDRAIL - INSTALLATION	AIRCRAFT WITH AIR-STAIRS DOOR



EMB145 - EMB135

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TASK 52-10-05-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN DOOR HANDRAIL - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the handrails of the main door.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

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	Main door
1	Helps the other technician	Main door

H. Preparation

SUBTASK 841-002-A

- (1) Open the main door.

I. Removal (Figure 401)

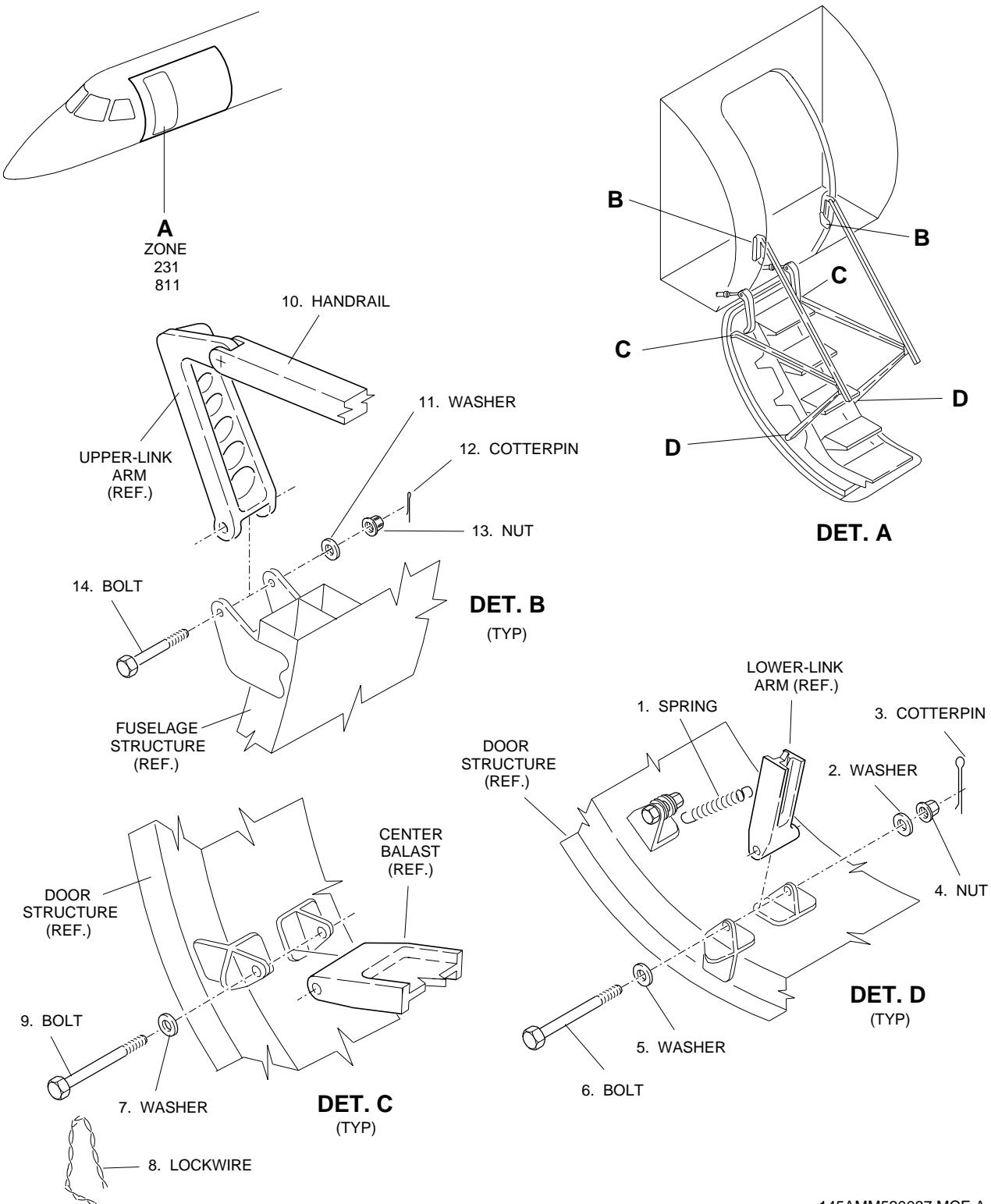
SUBTASK 020-002-A

- (1) Hold the handrail (10).
- (2) Disconnect the spring (1) end from the lower-link arm of the handrail (10) (See DET. D).
- (3) Remove the cotter pin (3), nut (4), washers (2) and (5), and bolt (6) to disconnect the lower-link arm of the handrail (10) from the support at the door (See DET. D).
- (4) Cut the lockwire (8) and remove the bolt (9) and washer (7) to disconnect the center-balast end of the handrail (10) from the support at the door (See DET. C).
- (5) Remove the cotter pin (12), nut (13), washer (11), and bolt (14) to disconnect the upper-link arm of the handrail (10) from the support at the fuselage structure (See DET. B).
- (6) Remove the handrail (10).

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Handrail - Removal/Installation

Figure 401



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TASK 52-10-05-400-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

3. MAIN DOOR HANDRAIL - INSTALLATION

A. General

- (1) This procedure gives the instructions to install the handrail of the main door.

B. References

REFERENCE	DESIGNATION
IPC 52-11-00	MAIN DOOR - ACTUATING AND LOCKING MECHANISM

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C25	Lockwire	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Cotter pin	IPC 52-11-00	2

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Main door
1	Helps the other technician	Main door

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the handrail (10) on the supports at the door and fuselage structure.
- (2) Install the bolt (14), washer (11), and nut (13) to attach the upper-link arm of the handrail (10) to the support at the fuselage structure (See DET. B).
- (3) Install the bolt (9) and washer (7) to attach the center-balast end of the handrail (10) to the support at the door (See DET. C).



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- (4) Install the bolt (6), washers (5) and (2), and nut (4) to attach the lower-link arm of the handrail (10) to the support at the door (See DET. D).
- (5) Install the cotter pins (3) and (12) (See DET. B and D).
- (6) Safety the bolt (9) with the lockwire (8) (See DET. C).

J. Follow-on

SUBTASK 842-002-A

- (1) Do an operational check of the main door.
- (2) Close the main door.

