



## AIRCRAFT MAINTENANCE MANUAL

### MAIN-DOOR INTERMEDIATE TORQUE TUBE - REMOVAL/INSTALLATION

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

#### 1. General

- A. This section gives the procedures to remove and install the intermediate torque tube.
- 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
52-11-09-000-801-A	INTERMEDIATE TORQUE TUBE - REMOVAL	AIRCRAFT WITH AIR-STAIRS DOOR
52-11-09-400-801-A	INTERMEDIATE TORQUE TUBE - INSTALLATION	AIRCRAFT WITH AIR-STAIRS DOOR



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TASK 52-11-09-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. INTERMEDIATE TORQUE TUBE - REMOVAL

A. General

- (1) This task gives the procedures to remove the intermediate torque tube.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM TASK 25-23-04-000-801-A/400	MAIN-DOOR LINING PANEL - REMOVAL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rig pins (8 mm in diameter and 60, 250, and 500 mm in length)	To rig the mechanism	

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](#)) and support it.
- (2) Remove the main-door lining panels ([AMM TASK 25-23-04-000-801-A/400](#)).

J. Removal ([Figure 401](#)) ([Figure 402](#))

SUBTASK 020-002-A

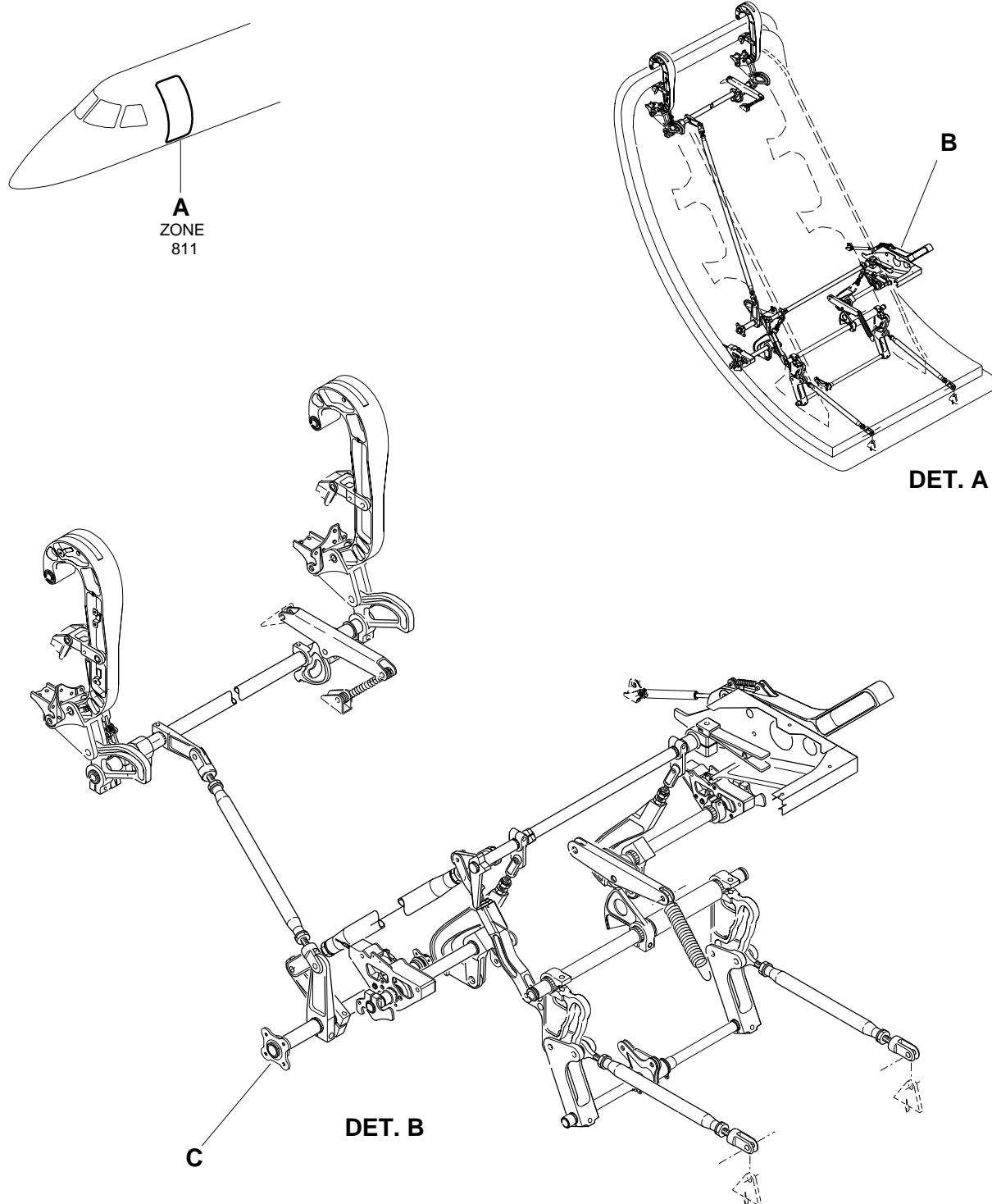
- (1) Put the door internal actuating handle in the locked position.
- (2) Install the rig pins refer to ([Figure 402](#), DET. B).
- (3) Remove the nut (6), washer (5), and bolt (4).



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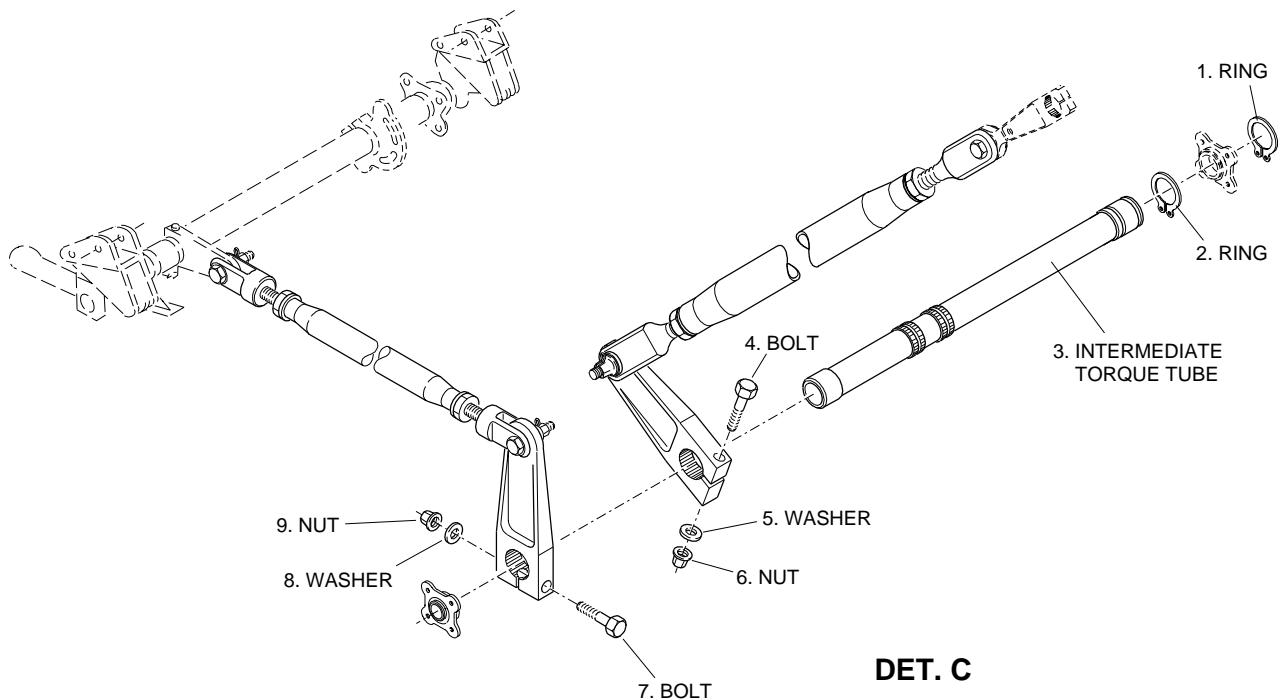
- (4) Remove the nut (9), washer (8), and bolt (7).
- (5) Remove the rings (1) and (2).
- (6) Remove the intermediate torque tube (3).

**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**  
**Main-Door Interconnecting Rods - Removal/Installation**  
**Figure 401 - Sheet 1**



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**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**  
**Main-Door Interconnecting Rods - Removal/Installation**  
**Figure 401 - Sheet 2**

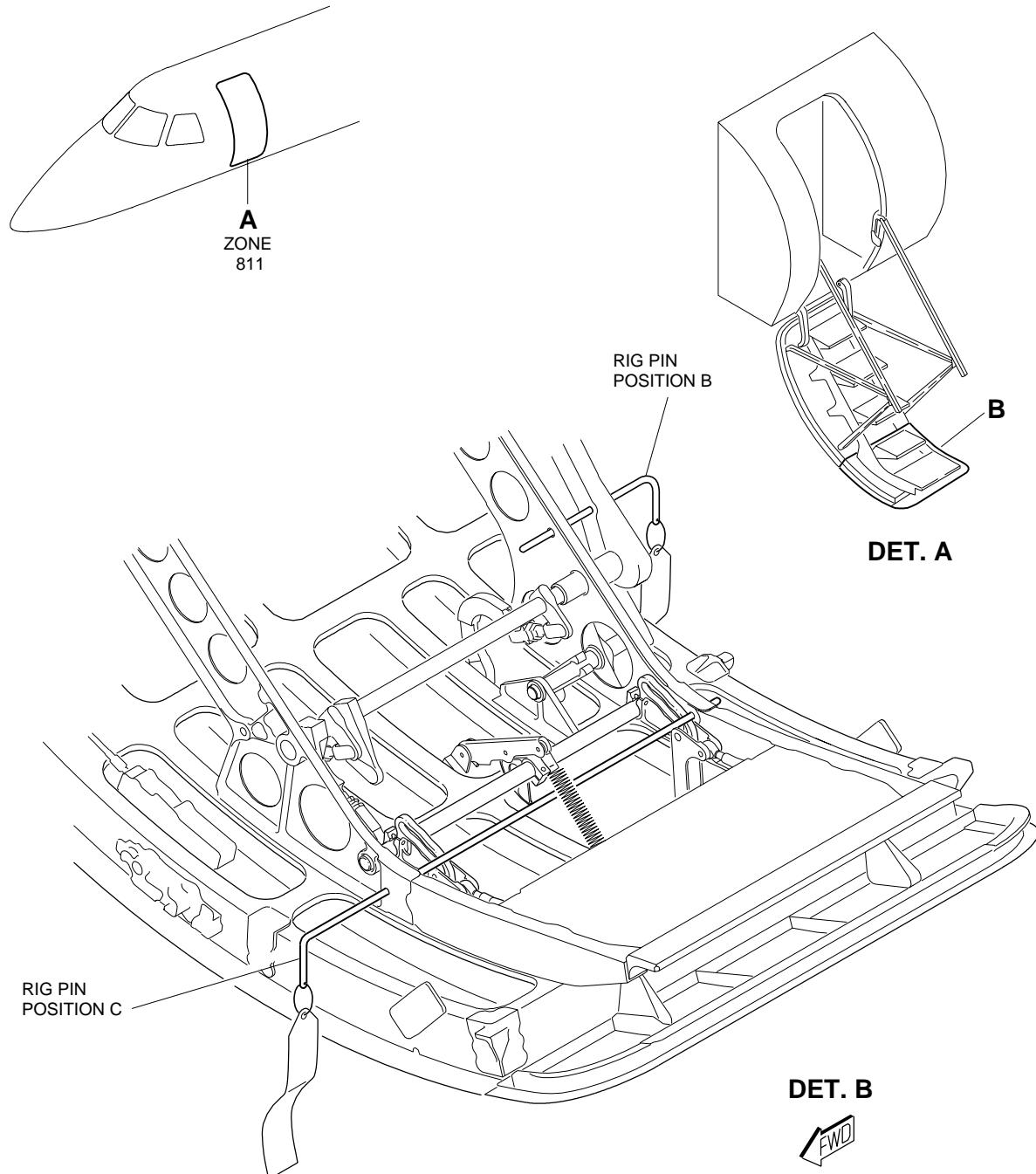


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**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**

Rig Pins - Removal/Installation

Figure 402



145AMM520316.MCE C

**TASK 52-11-09-400-801-A**
**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**
**3. INTERMEDIATE TORQUE TUBE - INSTALLATION**
**A. General**

- (1) This task gives the procedures to install the intermediate torque tube.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM SDS 52-10-00/1	
AMM TASK 25-23-04-400-801-A/400	MAIN-DOOR LINING PANEL - INSTALLATION
AMM TASK 52-10-01-820-803-A/500	MAIN-DOOR INTERCONNECTING RODS - ADJUSTMENT
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**

Not Applicable

**G. Expendable Parts**

<i>ITEM</i>	<i>IPC REFERENCE (VENDOR REFERENCE)</i>	<i>QTY</i>
Cotter pin	IPC 52-11-00	AR

**H. Persons Recommended**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Main door

**I. Installation (Figure 401 ) (Figure 402 )**
**SUBTASK 420-002-A**

**NOTE:** The bellcranks and the torque tube each have a notch, which permits engagement of these components in the correct positions.

- (1) Align the bellcrank holes with the bearing holes.
- (2) Pass the intermediate torque tube (3) through the holes.



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- (3) Install the bolt (7), washer (8), and nut (9).
- (4) Install the bolt (4), washer (5), and nut (6).
- (5) Install the rings (1) and (2).
- (6) Remove the rig pins (Figure 402 ), DET. B).

J. Follow-on

SUBTASK 842-002-A

- (1) Adjust Main-Door Interconnecting Rods ( [AMM TASK 52-10-01-820-803-A/500](#)).
- (2) Install the main door lining panels ( [AMM TASK 25-23-04-400-801-A/400](#)).
- (3) Close the main door ([AMM SDS 52-10-00/1](#)).