

## MAIN-DOOR FOLDING FLAP - REMOVAL/INSTALLATION

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR*

### 1. General

- A. This section gives the procedures to remove and install the folding flap of the main door.
- 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
52-11-04-000-801-A	MAIN-DOOR FOLDING FLAP - REMOVAL	AIRCRAFT WITH AIR- STAIRS DOOR
52-11-04-400-801-A	MAIN-DOOR FOLDING FLAP - INSTALLA- TION	AIRCRAFT WITH AIR- STAIRS DOOR

TASK 52-11-04-000-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

## 2. MAIN-DOOR FOLDING FLAP - REMOVAL

### A. General

(1) This procedure gives the instructions to remove the folding flap of the main door.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM SDS 52-10-00/1</a>	
<a href="#">AMM TASK 25-23-04-000-801-A/400</a>	MAIN-DOOR LINING PANEL - REMOVAL
<a href="#">AMM TASK 52-10-02-000-801-A/400</a>	MAIN-DOOR STEP-TREAD LINING PANEL - REMOVAL
<a href="#">AMM TASK 52-10-04-000-801-A/400</a>	MAIN-DOOR RUBBER TRIM SEAL - REMOVAL

### 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 fifth tread lining panel (the lowest when the main door is open) ([AMM TASK 52-10-02-000-801-A/400](#)).
- (3) Remove the trim cover from the main door ( [AMM TASK 25-23-04-000-801-A/400](#)).
- (4) Remove the rubber-trim seal from the contour of the folding flap ( [AMM TASK 52-10-04-000-801-A/400](#)).

J. Removal (Figure 401)

*SUBTASK 020-002-A*

- (1) Remove the cotter pin (18), nut (19), washer (20), and bolt (22) to disconnect the rod (21) end from the support (14) at the folding flap (7).
- (2) Remove the cotter pin (4), nut (3), washer (2), and bolt (23) to disconnect the rod (1) end from the support at the folding flap (7).
- (3) Remove the nuts (17), washers (16), and screws (12) (16 positions) that attach the folding flap (7) to the hinge (13).
- (4) Remove the plate (6).

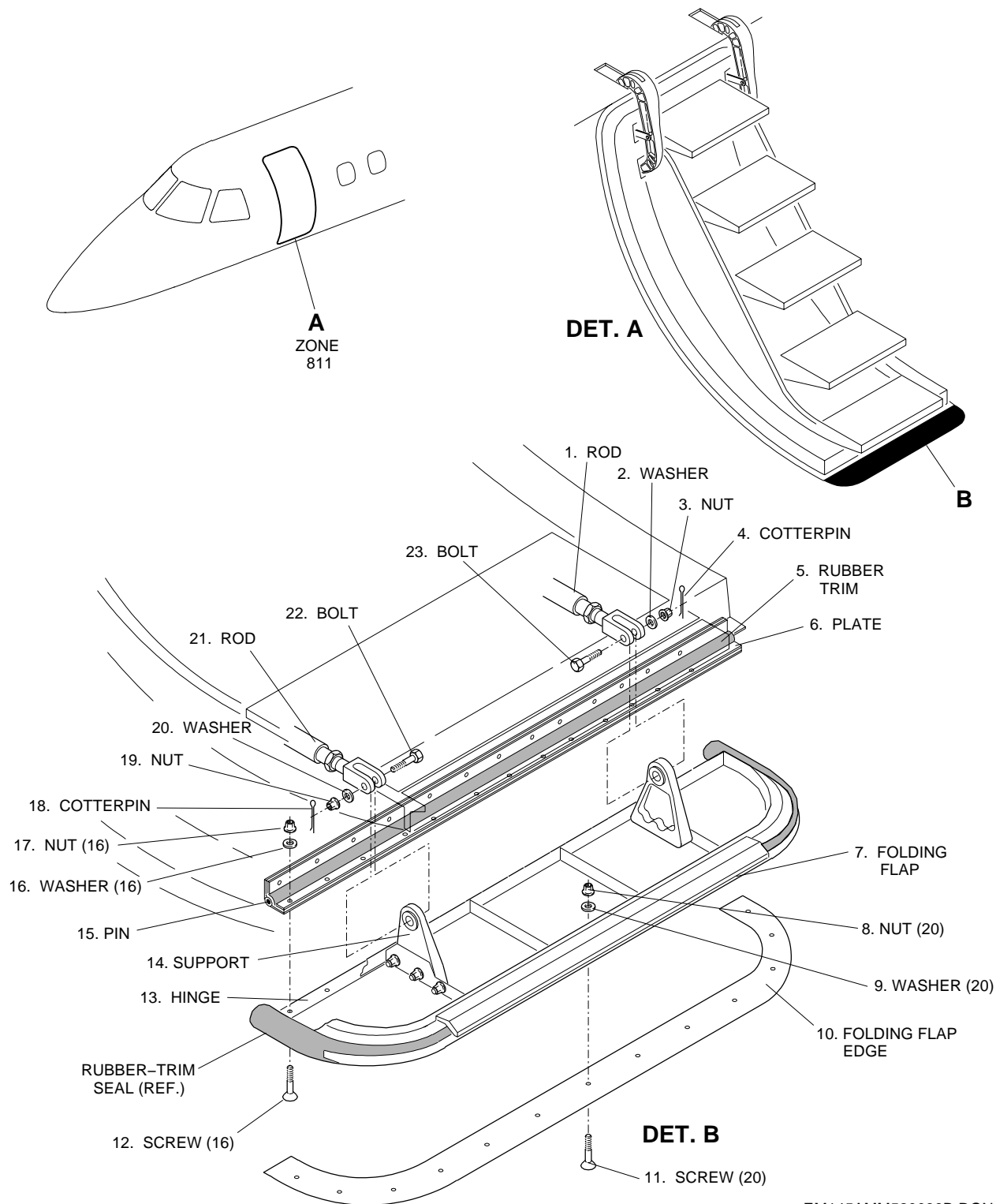
**CAUTION:** BE CAREFUL TO PREVENT DAMAGE TO THE RUBBER-TRIM SEAL DURING THE FOLDING FLAP REMOVAL.

- (5) Pull the rubber trim (5) to get access to the pin (15) of the hinge (13).
- (6) Remove the pin (15).
- (7) Remove the folding flap (7).
- (8) If necessary, remove the folding flap edge (10) as follows:
  - (a) Support the folding flap (7) on a bench.
  - (b) Remove the nuts (8), washers (9), and screws (11) (20 positions) that attach the folding flap edge to the folding flap.

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

Folding Flap - Removal/Installation

Figure 401



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TASK 52-11-04-400-801-A

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR*

### 3. MAIN-DOOR FOLDING FLAP - INSTALLATION

#### A. General

(1) This procedure gives the instructions to install the folding flap of the main door.

#### B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	
AMM TASK 52-10-01-820-808-A/500	MAIN DOOR-TO-FUSELAGE SKIN STEP - ADJUSTMENT
AMM TASK 52-10-01-820-811-A/500	MAIN-DOOR FOLDING FLAP - ADJUSTMENT
AMM TASK 52-10-04-400-801-A/400	MAIN-DOOR RUBBER TRIM SEAL - INSTALLATION
IPC 52-11-00	MAIN DOOR - ACTUATING AND LOCKING MECHANISM
TASK 52-10-01-700-807-A	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
811		Main door

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the folding flap edge when the main door is closed	

#### E. Auxiliary Items

Not Applicable

#### F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-F-38249, TYPE I	RTV157	AR
ASTM C-920	RTV780	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

I. Installation (Figure 401)

*SUBTASK 420-002-A*

- (1) Open the main door.
- (2) Put the folding flap (7) at the main door.
- (3) Install the pin (15) on the hinge (13).
- (4) Apply RTV157 or RTV780 sealant to the hinge (13) at the folding flap (7).
- (5) Put the rubber trim (5) in position.
- (6) Put the plate (6) in position.
- (7) Install the screws (12), washers (16), and nuts (17) (16 positions) to attach the folding flap (7) to the door.  
  

NOTE: If the folding flap edge was removed, you must not install the last and the first screws.
- (8) Apply RTV157 or RTV780 sealant along the junction between the plate (6) and the folding flap (7), and between the plate (6) and the door.
- (9) Put the rod (1) on the support at the folding flap (7) and install the bolt (23), washer (2), and nut (3).
- (10) Put the rod (21) on the support (14) at the folding flap (7) and install the bolt (22), washer (20), and nut (19).
- (11) Install the rubber trim seal along the contour of the folding flap ( [AMM TASK 52-10-04-400-801-A/400](#)).
- (12) If applicable, install the folding flap edge as follows:
  - (a) Put the folding flap edge in position.
  - (b) Install a minimum of three fasteners (11) and measure the gaps. Refer to TASK 52-10-01-700-807-A.
  - (c) Install the remaining fasteners (11).
- (13) Adjust the folding flap as given in [AMM TASK 52-10-01-820-811-A/500](#).
- (14) Do a check of the main door-to-fuselage skin step , as given in [AMM TASK 52-10-01-820-808-A/500](#), at points 12 and 13.
- (15) Install new cotter pins (4) and (18).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Close and lock the main door ([AMM SDS 52-10-00/1](#)).

