



## AIRCRAFT MAINTENANCE MANUAL

### 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 - INSTALLATION	AIRCRAFT WITH AIR-STAIRS DOOR



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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
AMM SDS 52-10-00/1	
AMM TASK 25-23-04-000-801-A/400	MAIN-DOOR LINING PANEL - REMOVAL
AMM TASK 52-10-02-000-801-A/400	MAIN-DOOR STEP-TREAD LINING PANEL - REMOVAL
AMM TASK 52-10-04-000-801-A/400	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](#)).



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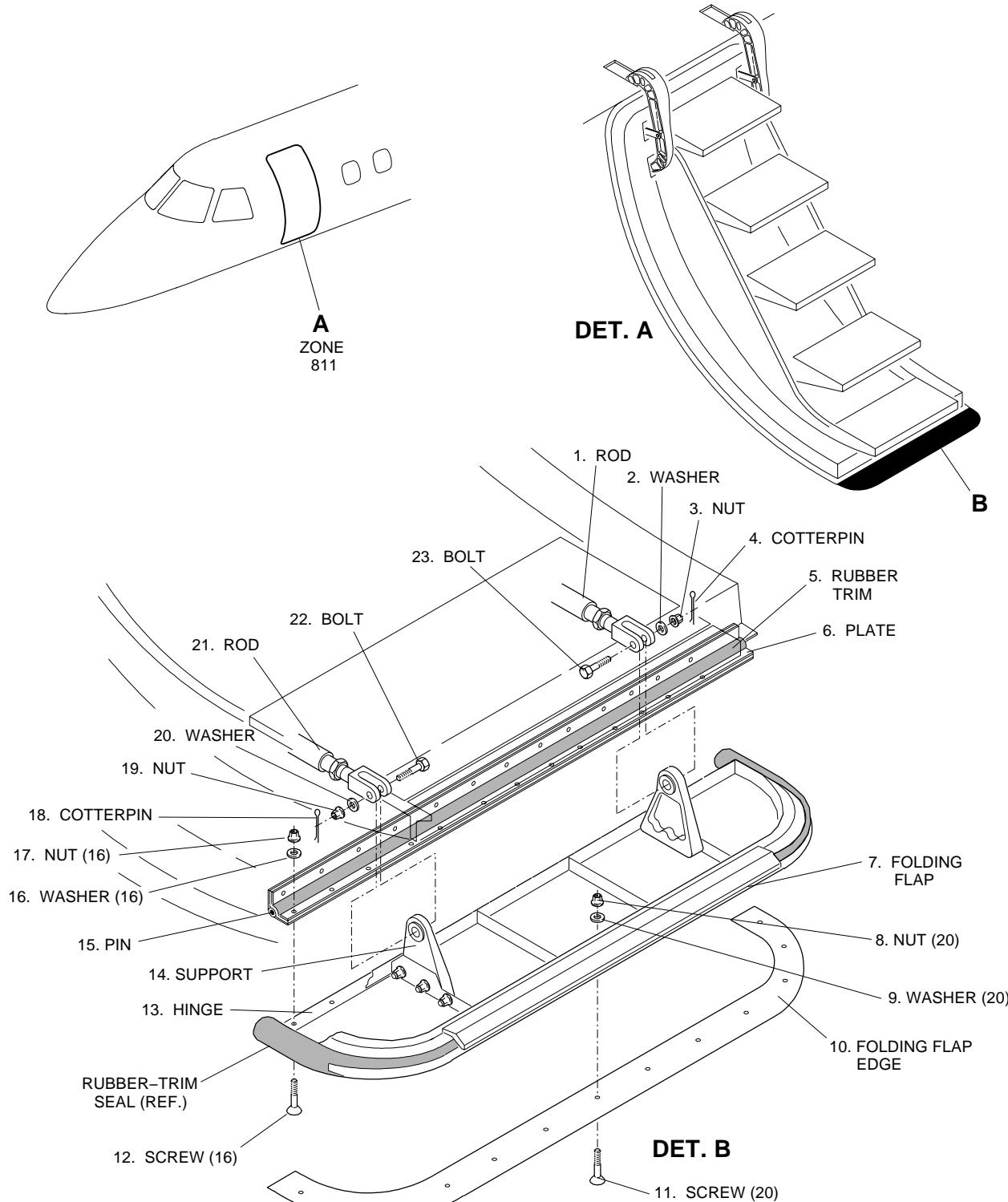
J. Removal ([Figure 401](#))

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



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## 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).



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J. Follow-on

SUBTASK 842-002-A

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

