



## AIRCRAFT MAINTENANCE MANUAL

### SERVICE DOOR - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do the functional check and the adjustment of the service 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
52-43-03-820-810-A	SERVICE-DOOR FOLDING FLAP EDGE - ALL ADJUSTMENT	



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 52-43-03-820-810-A

EFFECTIVITY: ALL

2. SERVICE-DOOR FOLDING FLAP EDGE - ADJUSTMENT

A. General

- (1) This task gives the procedure to adjust the folding flap edge of the service door.
- (2) The new folding flap edge is oversized to permit the adjustment of the gap between the folding flap edge and the fuselage skin. The old folding flap edge can be adjusted with the same procedure, and must be discarded if the gap is more than that specified.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-43-00/1	
AMM TASK 52-43-03-400-801-A/400	SERVICE DOOR FOLDING FLAP - INSTALLATION
AMM TASK 52-43-06-700-801-A/500	SERVICE-DOOR ACTUATING AND LOCKING MECHANISM - FUNCTIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
821		Airstairs door

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the airstairs service door	1

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	File	To adjust the folding flap edge	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
Commercially available	Masking tape	AR

G. Expandable Parts

Not Applicable



H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Service door

I. Preparation

SUBTASK 841-002-A

- (1) The service door-to-fuselage skin gap must be in the tolerance range ([AMM TASK 52-43-06-700-801-A/500](#)).
- (2) Close and lock the service door ([AMM SDS 52-43-00/1](#)).

NOTE: The step tread must be deployed before you close the service door.

J. Service-Door Folding Flap Edge - Adjustment ([Figure 501](#)) ([Figure 502](#))

SUBTASK 820-002-A

- (1) Attach the folding flap edge with a minimum of three screws to hold it in the correct position.
- (2) Draw a line along the folding flap edge contour to mark the correct gap between the door contour and the frame on the fuselage at points 11,12 and 13. Refer to [Figure 501](#) and [Figure 502](#). Do a check of the gap as given in [AMM TASK 52-43-06-700-801-A/500](#), Table 501.

NOTE: If the gap between the folding flap edge and the fuselage skin is more than that specified, replace the folding flap edge, and do this task again.

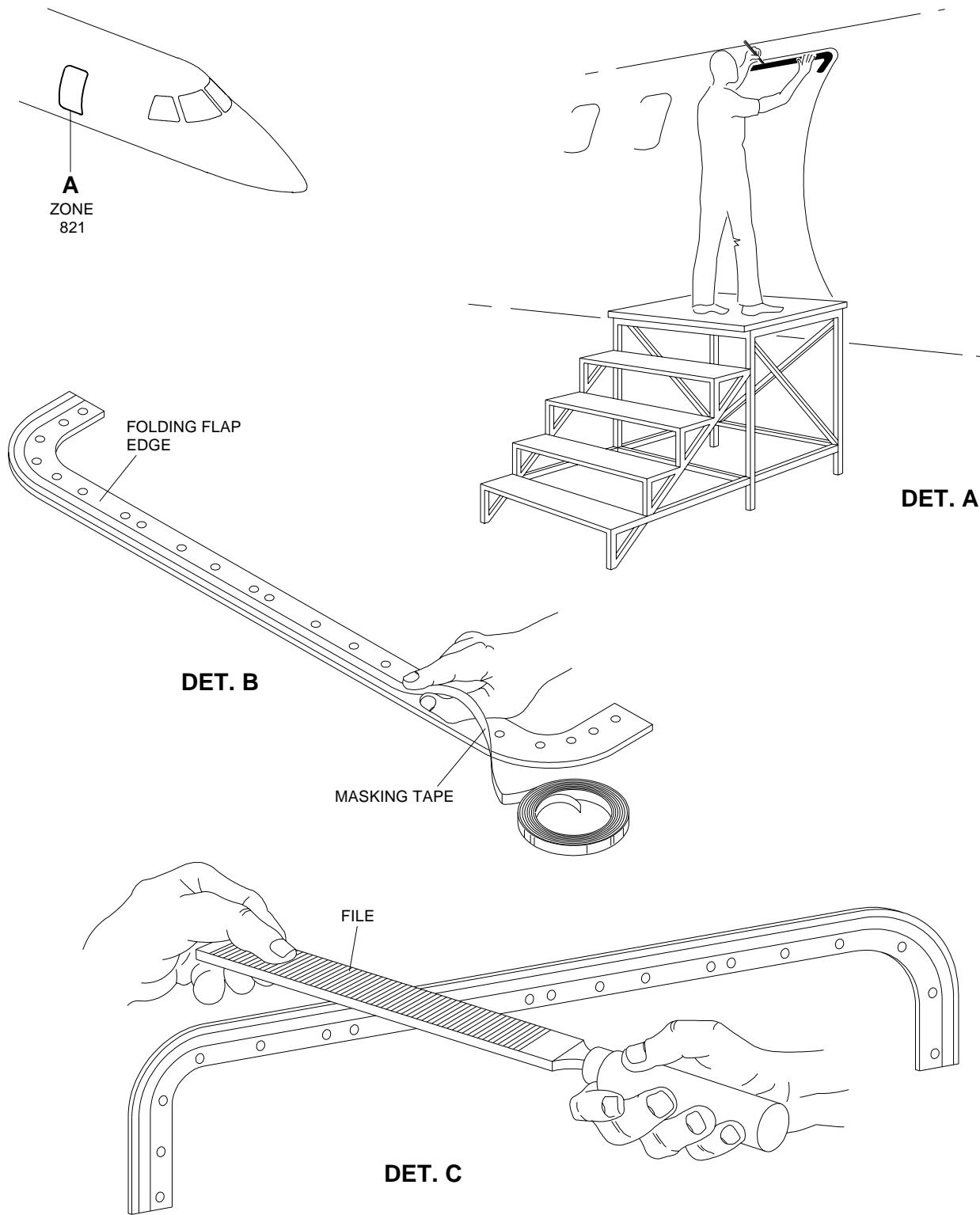
- (3) Remove the folding flap edge.
- (4) Use a narrow masking tape along the folding flap edge contour as a guide for the filing operation. Refer to [Figure 501](#).
- (5) File the folding flap edge following the tape limits. Refer to [Figure 501](#).
- (6) Attach the reworked folding flap edge with a minimum of three screws to hold it in the correct position.
- (7) Do a check of the gap at points 11,12 and 13. Refer to [AMM TASK 52-43-06-700-801-A/500](#) and [Figure 502](#).
- (8) Remove the masking tape.
- (9) Finish the reworked areas per CPM - Chapter 51.

K. Follow-on

SUBTASK 842-002-A

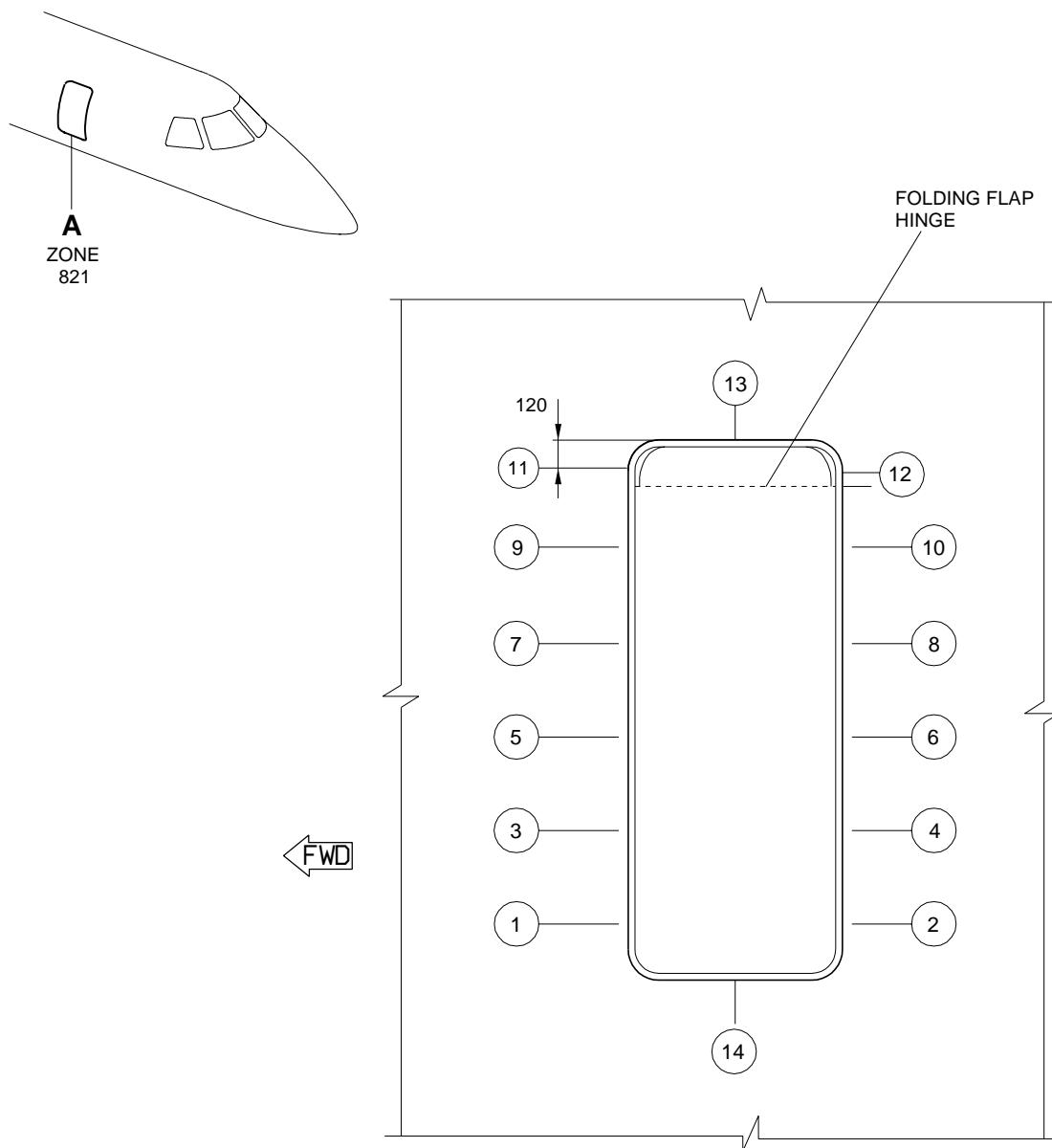
- (1) Install the folding flap edge ([AMM TASK 52-43-03-400-801-A/400](#)).

**EFFECTIVITY: ALL**  
**Folding Flap Edge - Adjust**  
**Figure 501**



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**EFFECTIVITY: ALL**  
**Folding Flap-to-Fuselage Skin Gap**  
**Figure 502**



AIRCRAFT UNLOADED		
REFERENCE POINTS	GAP (mm)	
	MAX	MIN
01 TO 10	5.0	1.0
11 AND 12	7.0	4.0
13 AND 14	7.0	1.0

**DET. A**

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