



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

DOORS - MAINTENANCE PRACTICES

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

1. General

- A. This section gives the procedures to support the main door correctly.
- 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
52-00-00-910-801-A	MAIN-DOOR - SUPPORTING	AIRCRAFT WITH AIR-STAIRS DOOR



AIRCRAFT
MAINTENANCE MANUAL

TASK 52-00-00-910-801-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR - SUPPORTING

A. General

- (1) This section gives the procedures to support the main door correctly with no damage to it or to the fuselage skin.

B. References

REFERENCE	DESIGNATION
AMM SDS 52-10-00/1	

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Adjustable Height Bench, 500 mm (20.0 in) high, approximately	To support the main door	

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](#)).

J. Main Door Supporting on a Bench ([Figure 201](#)) ([Figure 202](#))

SUBTASK 910-002-A

CAUTION: THE BENCH MUST BE COVERED WITH A CARPET TO PROTECT THE SKIN DOOR.

- (1) To put the door on the bench, do as follows:

- (a) Set the bench to its lowest height.

CAUTION: BE CAREFUL NOT TO PERMIT THE ROLLER BACKSTOP TO BE PUSHED AGAINST THE STEP ACTUATING ARM.

- (b) Raise the door manually and place the bench under the door.
- (c) Lift the bench until the door step actuating arm almost touches the roller backstop. This determines the highest position of the bench. Refer to [Figure 201](#); VIEW B.
- (d) Actuate the cams to the middle position. Refer to [Figure 202](#).

CAUTION: TO STOW ALL THE STEPS YOU MUST PUSH THE FIRST AND THIRD STEPS SIMULTANEOUSLY. OTHERWISE, THE STEP SPRINGS CAN BE BROKEN.

- (e) Push the first and the third steps at the same time to stow all the steps. Refer to [Figure 202](#); DET. A.

CAUTION: BE CAREFUL NOT TO PERMIT THE DOOR TO BE PUSHED AGAINST THE FUSELAGE SKIN.

- (f) Put the internal handle in the locked position, and make sure that the door bottom does not touch the fuselage skin. This determines the lowest position of the bench. Refer to [Figure 201](#); DET. A.
- (g) Therefore, the height of the bench must be fixed at this point:
 - Steps deployed: the door step actuating arm must not touch the roller backstop. Refer to [Figure 201](#); VIEW B.
 - Steps stowed: the door bottom must not touch the fuselage skin. Refer to [Figure 201](#); DET. A.

- (h) If necessary, deploy the steps and put the internal handle in the unlocked position again, as follows:

1 Put the internal handle in the unlocked position.

CAUTION: TO DEPLOY ALL THE STEPS YOU MUST PULL THE FIRST AND THIRD STEPS SIMULTANEOUSLY. OTHERWISE, THE STEP SPRINGS CAN BE BROKEN.

- 2 Pull the first and the third steps simultaneously to deploy all the steps. Refer to [Figure 201](#); DET. A.
- 3 Actuate the cams to the 0° (original) position. Refer to [Figure 202](#).

- (2) To remove the door from the bench, do as follows:

CAUTION: IF THE DOOR IS OUT OF THE BENCH WITH THE INTERNAL HANDLE IN THE LOCKED POSITION, THE BOTTOM OF THE DOOR CAN DAMAGE THE FUSELAGE SKIN.

- (a) Make sure that the internal handle is controlled to the unlocked position.
- (b) Make sure that the steps are deployed. Refer to [Figure 202](#); DET. A.



AIRCRAFT MAINTENANCE MANUAL

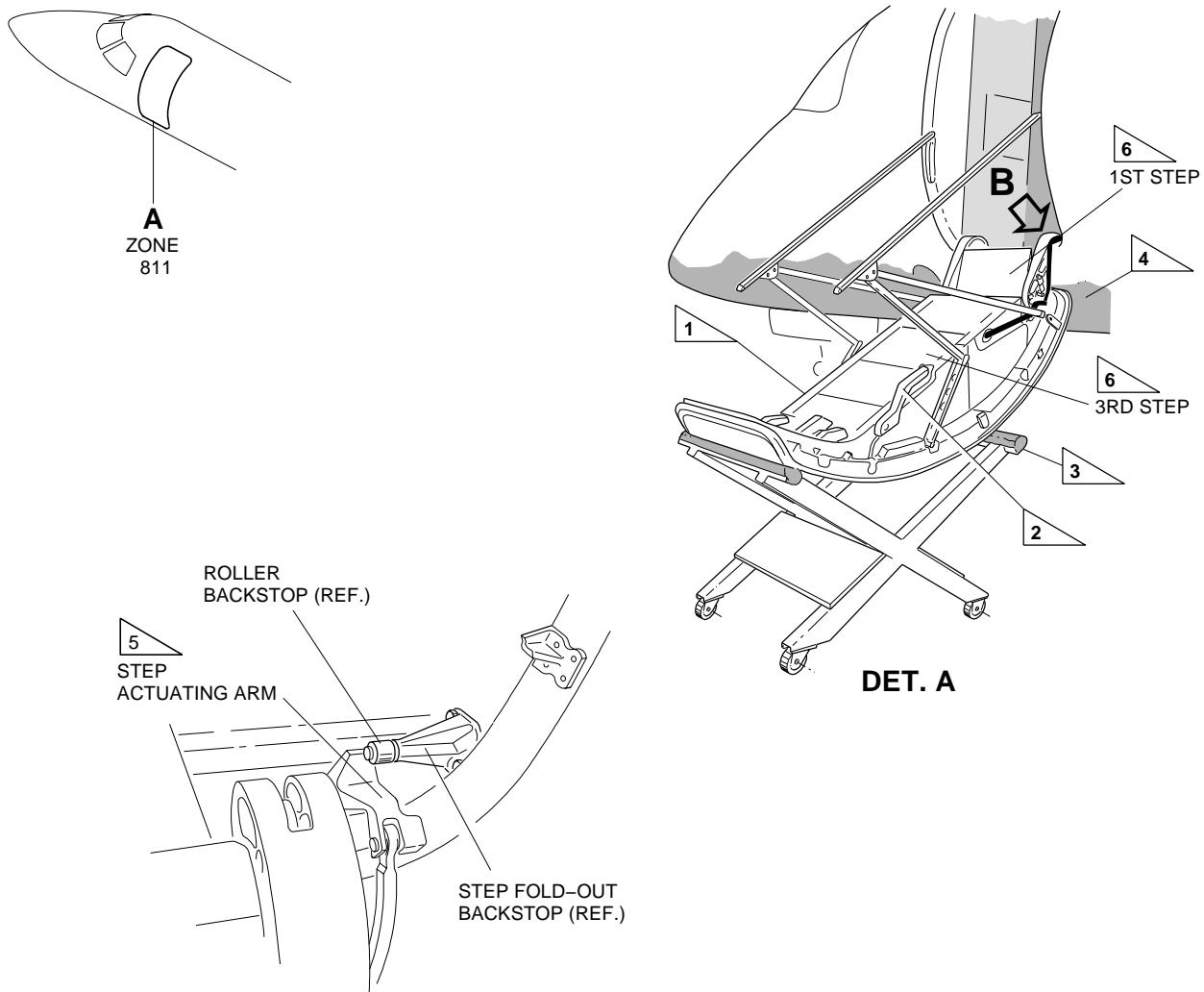
- (c) Make sure that the cams are in the 0° (original) position. Refer to [Figure 202](#).
- (d) Hold the door manually and remove the bench.
- (e) Continue to hold the door while you let it get down slowly.

K. Follow-on

SUBTASK 842-002-A

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

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR
Main Door Supporting with Steps Stowed
Figure 201



VIEW. B

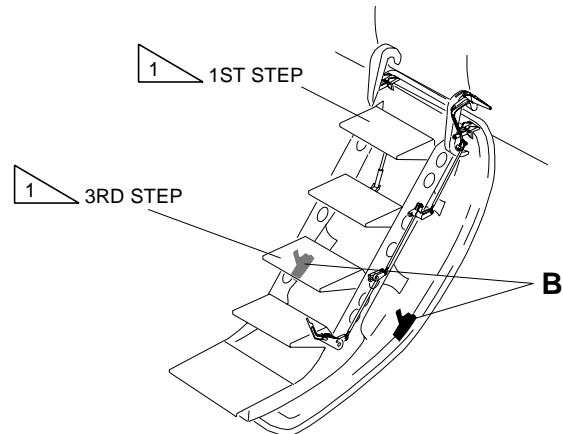
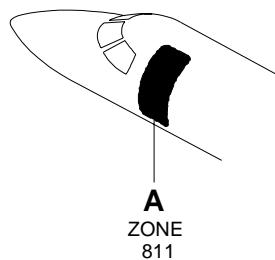
-  1 MAIN DOOR SUPPORTING WITH STEPS STOWED.
-  2 INTERNAL HANDLE CONTROLLED TO THE LOCKED POSITION
-  3 THE BENCH MUST BE COVERED WITH A CARPET TO PROTECT THE SKIN DOOR
-  4 THE DOOR MUST NOT BE PUSHED AGAINST THE FUSELAGE SKIN WHEN YOU LIFT OR LOWER THE DOOR TO FIND THE CORRECT POSITION AND PERMIT THE HANDLE TO BE OPERATED TO THE LOCKED POSITION
-  5 MAKE SURE THE STEP ACTUATING ARM DOES NOT TOUCH THE ROLLER BACKSTOP.
-  6 PULL THE 1ST AND 3RD STEPS TO DEPLOY ALL THE STEPS.

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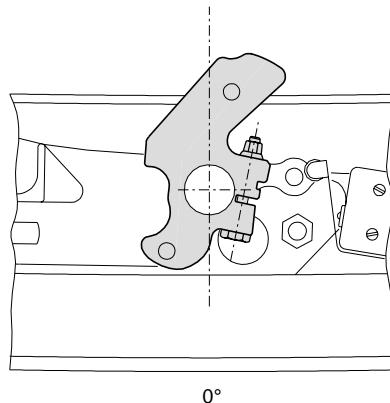
EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

Main Door Supporting with Steps Deployed and Cam Positions

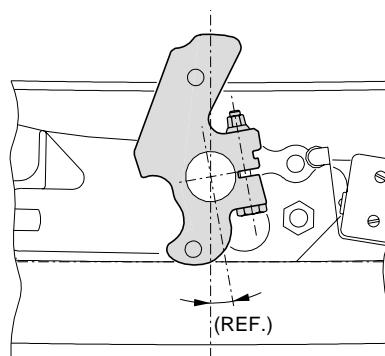
Figure 202



DET. A



CAM POSITION WHEN THE DOOR IS
OPEN (IN INLOCKED POSITION,
HANDLES CANNOT BE ACTUATED)



MIDDLE POSITION

CAM POSITION AFTER YOU PULL IT
(HANDLES CAN BE ACTUATED TO THE
LOCKED POSITION)

DET. B

1 PUSH THE 1st AND THE 3rd STEPS TO STOW ALL THE STEPS

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