



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**MAIN-DOOR CONTROL MICROSWITCH - ADJUSTMENT/TEST**

*EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR*

1. General

- A. This section gives the procedures for the adjustment of the main-door control microswitches.
- B. The main-door control microswitches are installed in the center fuselage I, below the floor.
- C. 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
52-12-09-820-802-A	MAIN-DOOR CONTROL MICROSWITCH - ADJUSTMENT	AIRCRAFT WITH AIR- STAIRS DOOR



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TASK 52-12-09-820-802-A

EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR

2. MAIN-DOOR CONTROL MICROSWITCH - ADJUSTMENT

A. General

- (1) This task gives the procedures to do the adjustment of the main-door control microswitches.
- (2) There are two microswitches and this procedure is applicable to them.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM SDS 52-10-00/1	
AMM TASK 23-22-00-700-801-A/500	ACARS - FUNCTIONAL TEST WITH A PORTABLE ACARS TEST STATION(PATS)
AMM TASK 25-24-01-000-801-A/400	PASSENGER-CABIN FLOOR LINING - REMOVAL
AMM TASK 25-24-01-400-801-A/400	PASSENGER-CABIN FLOOR LINING - INSTALLATION
AMM TASK 52-73-00-700-801-A/500	AIRSTAIRS MAIN DOOR WARNING MESSAGE - OPERATIONALLY CHECK
AMM TASK 53-01-02-000-801-A/400	-
AMM TASK 53-01-02-000-802-A/400	-
AMM TASK 53-01-02-400-801-A/400	-
AMM TASK 53-01-02-400-802-A/400	-
WM 23-22-51	-
WM 33-26-50	-
WM 52-10-50	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
131	231CF	Below the floor
131	231DF	Below the floor
811		Main door

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 050	Multimeter - Digital	Check electrical continuity	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable



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G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin LH
1	Helps the other technician	Passenger cabin LH

I. Preparation

SUBTASK 841-002-A

- (1) Open the main door ([AMM SDS 52-10-00/1](#)).
- (2) Remove the floor lining and floor panel 231CF and 231DF (AMM MPP 06-41-02/100). Refer to ([AMM TASK 25-24-01-000-801-A/400](#)), and ([AMM TASK 53-01-02-000-801-A/400](#)) or ([AMM TASK 53-01-02-000-802-A/400](#)), as applicable.

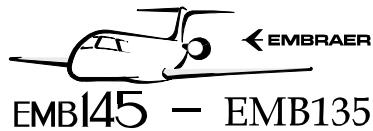
J. Adjustment Procedures ([Figure 501](#)) ([Figure 502](#))

SUBTASK 720-002-A

- (1) Open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
  - MAIN DOOR 1.
  - MAIN DOOR 2.

NOTE: If the aircraft is equipped with ACARS, the ACARS circuit breaker must be open.
- (2) Disconnect the electrical connector (3). Refer to [Figure 502](#).
- (3) Manually close and keep in position the main door until the cam (2) reaches the roller (1) as shown in [Figure 501](#).
- (4) Make sure that the cam (2) does not lock the roller (1).

NOTE: At this point, the main door is in the correct position to operate the microswitch.
- (5) Loosen, but do not remove, the screws (4) that attach the support (2) to the structure. Refer to [Figure 502](#).
- (6) Pull or push the support (2) until the rotating arm (1) operates the microswitch.
- (7) To make sure that the microswitch is in operation, use a multimeter to do a check of the electrical continuity between pins B and A of connector P7205 (WM 23-22-51) or (WM 52-10-50) or (WM 33-26-50) as applicable.
- (8) Tighten the screws (4) that attach the support (2) to the structure.
- (9) Connect the electrical connector (3).



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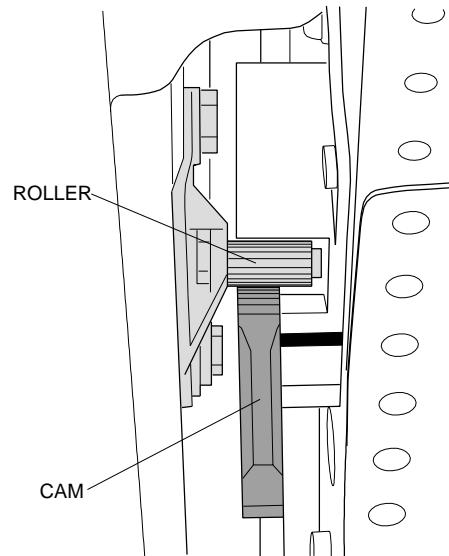
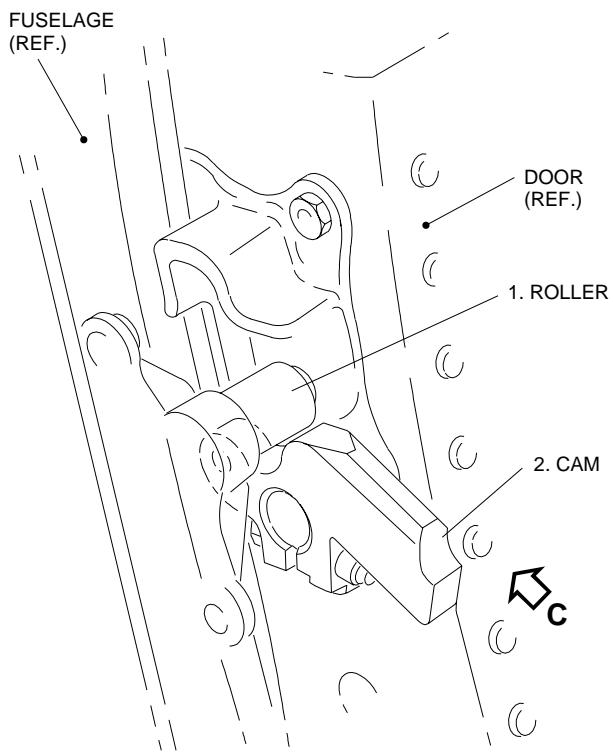
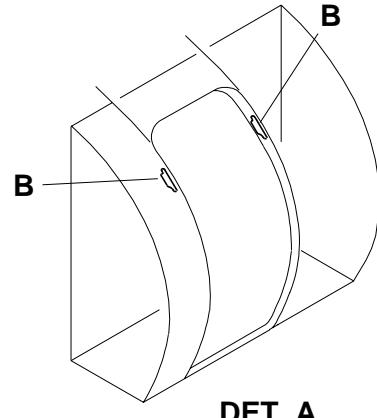
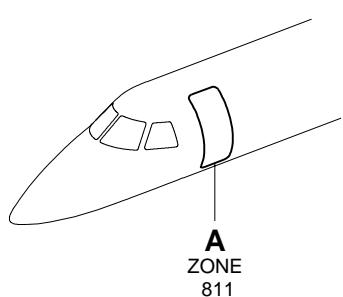
K. Follow-on

SUBTASK 842-002-A

- (1) Install the floor panel 231CF and 231DF (AMM MPP 06-41-02/100) and floor lining. Refer to (AMM TASK 53-01-02-400-801-A/400) or (AMM TASK 53-01-02-400-802-A/400), as applicable, and ([AMM TASK 25-24-01-400-801-A/400](#)).
- (2) Close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - MAIN DOOR 1.
  - MAIN DOOR 2.

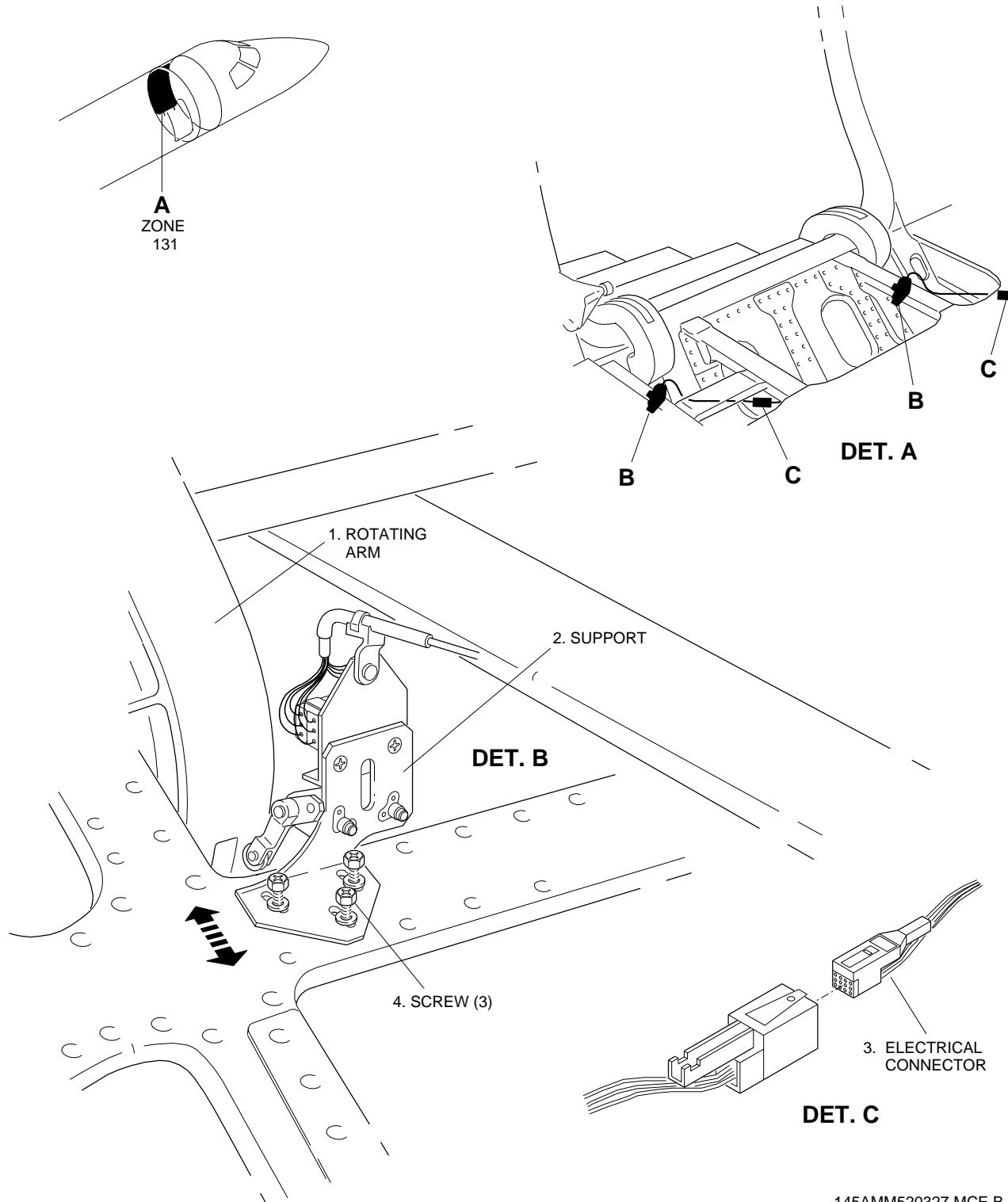
NOTE: If the aircraft is equipped with ACARS, close the ACARS circuit breaker.
- (3) Do the main-door operational check ([AMM TASK 52-73-00-700-801-A/500](#)).
- (4) If the aircraft is equipped with ACARS, do the ACARS operational test ([AMM TASK 23-22-00-700-801-A/500](#)).
- (5) Close the main door ([AMM SDS 52-10-00/1](#)).

**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**  
**Main Door Cam Position**  
**Figure 501**



145AMM520328.MCE A

**EFFECTIVITY: AIRCRAFT WITH AIRSTAIRS DOOR**  
**Microswitch Adjustment**  
**Figure 502**



145AMM520327.MCE B