



EMB145 – EMB135

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MAINTENANCE MANUAL

FUELING-CONTROL-PANEL&PRESSURE-REFUELING-ADAPTER COMPARTMENT ACCESS-DOOR  
MICROSWITCH - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for the removal/installation and deactivation/reactivation of the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.
- 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
52-78-01-000-801-A	FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ALL ACCESS DOOR CAUTION MICRO- SWITCH - REMOVAL	
52-78-01-400-801-A	FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ALL ACCESS DOOR CAUTION MICRO- SWITCH - INSTALLATION	
52-78-01-040-801-A	MICROSWITCH OF THE ACCESS DOOR OF THE FUELING-CONTROL-PANEL AND ALL PRESSURE-REFUELING-ADAPTER COM- PARTMENT - DEACTIVATION PROCE- DURE	
52-78-01-440-801-A	MICROSWITCH OF THE ACCESS DOOR OF THE FUELING-CONTROL-PANEL AND ALL PRESSURE-REFUELING-ADAPTER COM- PARTMENT - REACTIVATION PROCE- DURE	



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TASK 52-78-01-000-801-A

EFFECTIVITY: ALL

2. FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ACCESS DOOR CAUTION MICROSWITCH - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
AMM TASK 52-45-01-000-801-A/400	FUELING-CONTROL-PANEL & PRESSURE-REFUELING-ADAPTER COMPARTMENT LINING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191BR	Forward lower fairing

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	Forward lower fairing

I. Preparation

SUBTASK 841-002-A

- (1) Open fueling-control-panel and pressure-refueling-adapter compartment access-door 191BR (AMM MPP 06-30-00/100).
- (2) Remove the lining of the fueling-control-panel and pressure-refueling-adapter compartment ([AMM TASK 52-45-01-000-801-A/400](#)).



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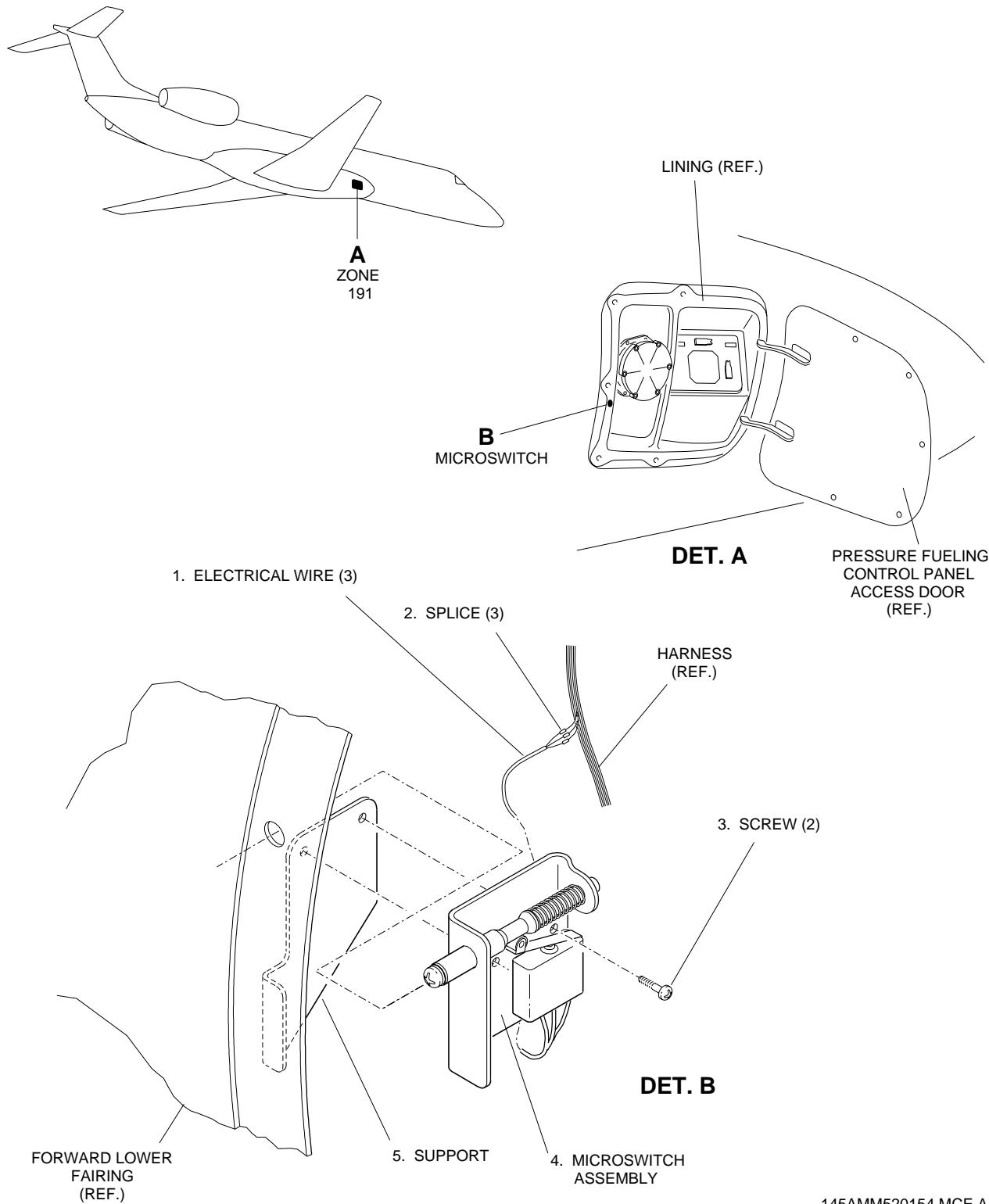
J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Disconnect the electrical wires (1) (3 positions) from the wires in the harness. For this, disconnect the splices (2).
- (2) Remove the screws (3) (2 positions) which attach the microswitch assembly (4) to the support (5).
- (3) Remove the microswitch assembly (4).

**EFFECTIVITY: ALL**

Microswitch of the Access Door of the Fueling-Control-Panel and Pressure-Refueling-Adapter - Removal/  
Installation  
Figure 401



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TASK 52-78-01-400-801-A

EFFECTIVITY: ALL

3. FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ACCESS DOOR CAUTION MICROSWITCH - INSTALLATION

## A. General

- (1) This procedure gives the instructions to install the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.

## B. References

REFERENCE	DESIGNATION
AMM MPP 06-30-00/100	-
AMM TASK 28-41-00-200-801-A/600	-
<b>AMM TASK 52-45-01-400-801-A/400</b>	FUELING-CONTROL-PANEL & PRESSURE-REFUELING-ADAPTER COMPARTMENT LINING - INSTALLATION
<b>AMM TASK 52-78-00-700-801-A/500</b>	FUELING CONTROL PANEL AND PRESSURE REFUELING ADAPTER ACCESS DOOR CAUTION MESSAGE - OPERATIONAL TEST

## C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191BR	Forward lower fairing

## 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	Forward lower fairing

## I. Installation (Figure 401)

## SUBTASK 420-002-A

- (1) Put the microswitch assembly (4) on the support (5).
- (2) Attach the microswitch assembly (4) to the support (5) with the screws (3) (2 positions).



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- (3) Connect the electrical wires (1) (3 positions) to the wires in the harness with the splices (2).

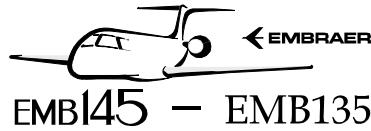
J. Follow-on

SUBTASK 842-002-A

- (1) Do an operational check of the caution message related to the access door of the fueling-control-panel and pressure-refueling-adapter compartment ([AMM TASK 52-78-00-700-801-A/500](#)).
- (2) Install the lining of the fueling-control-panel and pressure-refueling-adapter compartment ([AMM TASK 52-45-01-400-801-A/400](#)).
- (3) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

**NOTE:** The inspection of fuel quantity indication harness is part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

- (4) Close fueling-control-panel and pressure-refueling-adapter compartment access-door 191BR (AMM MPP 06-30-00/100).



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TASK 52-78-01-040-801-A

EFFECTIVITY: ALL

4. MICROSWITCH OF THE ACCESS DOOR OF THE FUELING-CONTROL-PANEL AND PRESSURE-REFUELING-ADAPTER COMPARTMENT - DEACTIVATION PROCEDURE

A. General

- (1) This task is applicable to item 06-42-1 Pressure Fueling Panel Access Door of the AOM Section 1-08 - CDL.
- (2) This task gives the procedure to deactivate the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.

B. References

REFERENCE	DESIGNATION
AMM TASK 52-78-01-000-801-A/400	FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ACCESS DOOR CAUTION MICROSWITCH - 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	Forward lower fairing

I. Deactivation Procedure

SUBTASK 040-002-A

- (1) It is permitted to dispatch the aircraft without the access door of the fueling-control-panel and pressure-refueling-adapter compartment if the door warning system (door position indication on the MFD and EICAS) shows a closed position.
- (2) Remove the access door (1) of the fueling-control-panel and pressure-refueling-adapter ([AMM TASK 52-78-01-000-801-A/400](#)).
- (3) Hold the microswitch (2) in the locked position with a tie-down strap (3). Refer to [Figure 402](#).



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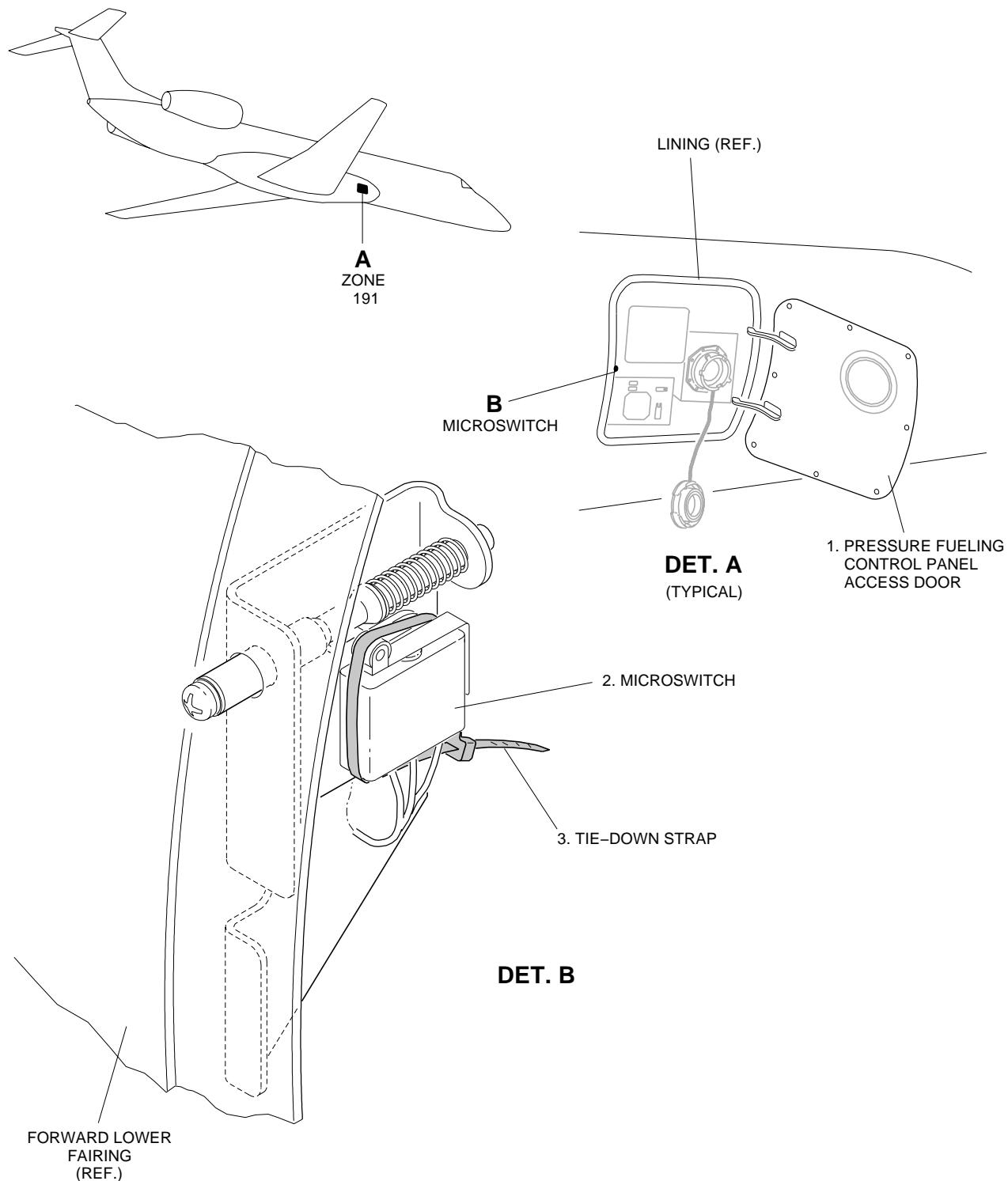
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- (4) Set the refueling, defueling, and power switches to the closed/normal positions.
- (5) Lock and latch the refueling cap.
- (6) An airspeed higher than 250 Kias is not permitted.
- (7) Write in the aircraft technical logbook that you did the procedure for deactivation of the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.

**EFFECTIVITY: ALL**

Tie-Down Strap on the Microswitch

Figure 402



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TASK 52-78-01-440-801-A

EFFECTIVITY: ALL

5. MICROSWITCH OF THE ACCESS DOOR OF THE FUELING-CONTROL-PANEL AND PRESSURE-REFUELING-ADAPTER COMPARTMENT - REACTIVATION PROCEDURE

A. General

- (1) This task is applicable to item 06-42-1 Pressure Fueling Panel Access Door of the AOM Section 1-08 - CDL.
- (2) This task gives the procedure to reactivate the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.

B. References

REFERENCE	DESIGNATION
AMM TASK 52-78-01-400-801-A/400	FUEL CONTROL PANEL AND PRESSURE REFUELING ADAPTER COMPARTMENT ACCESS DOOR CAUTION MICROSWITCH - INSTALLATION

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	Forward lower fairing

I. Reactivation Procedure

SUBTASK 440-002-A

- (1) Remove the tie-down strap (3) from the microswitch (2). Refer to Figure 402.
- (2) Install the access door (1) of the fueling-control-panel and pressure-refueling-adapter ([AMM TASK 52-78-01-400-801-A/400](#)).
- (3) Close and lock the access door (1).
- (4) Write in the aircraft technical logbook that you did the procedure for reactivation of the microswitch of the access door of the fueling-control-panel and pressure-refueling-adapter compartment.