



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

REFUELING/DEFUELING CONTROL PANEL - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the refueling/defueling control panel.
- 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
28-23-09-000-801-A	REFUELING/DEFUELING CONTROL PAN- ALL EL - REMOVAL	
28-23-09-400-801-A	REFUELING/DEFUELING CONTROL PAN- ALL EL - INSTALLATION	



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TASK 28-23-09-000-801-A

EFFECTIVITY: ALL

2. REFUELING/DEFUELING CONTROL PANEL - REMOVAL

A. General

- (1) Obey the instructions below to remove the refueling/defueling control panel.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191BR	Wing-to-fuselage 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	Wing-to-fuselage fairing

I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them:
- DEFUELING.
  - FUEL PUMP 2A.
  - FUEL QTY IND 1/2.
  - REFUELING 1/2/3.



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- START 1/2.

- (2) Open the access panel 191BR (AMM MPP 06-41-01/100) to get access to the refueling/defueling panel.

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

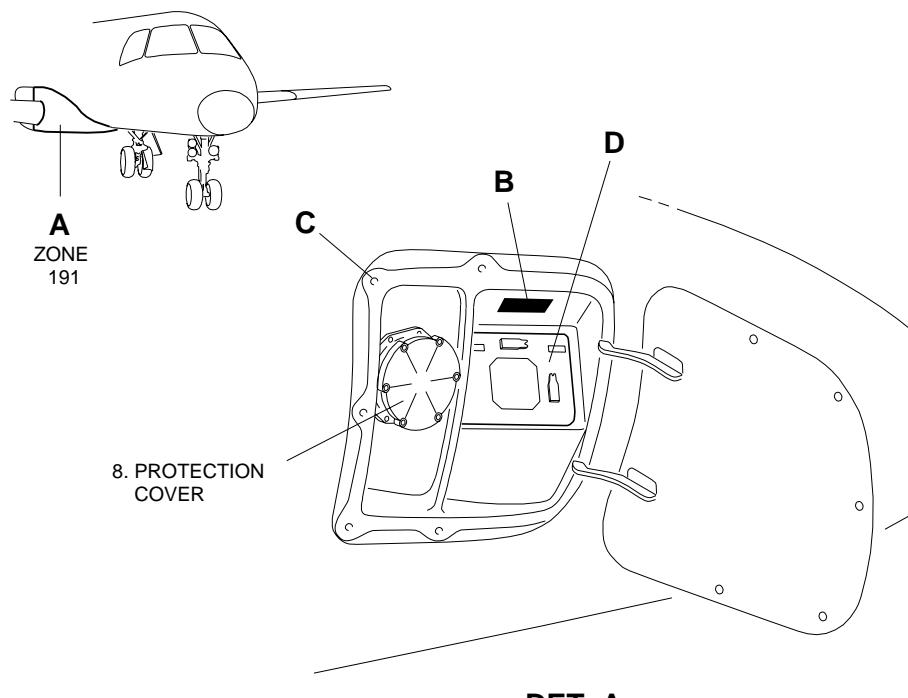
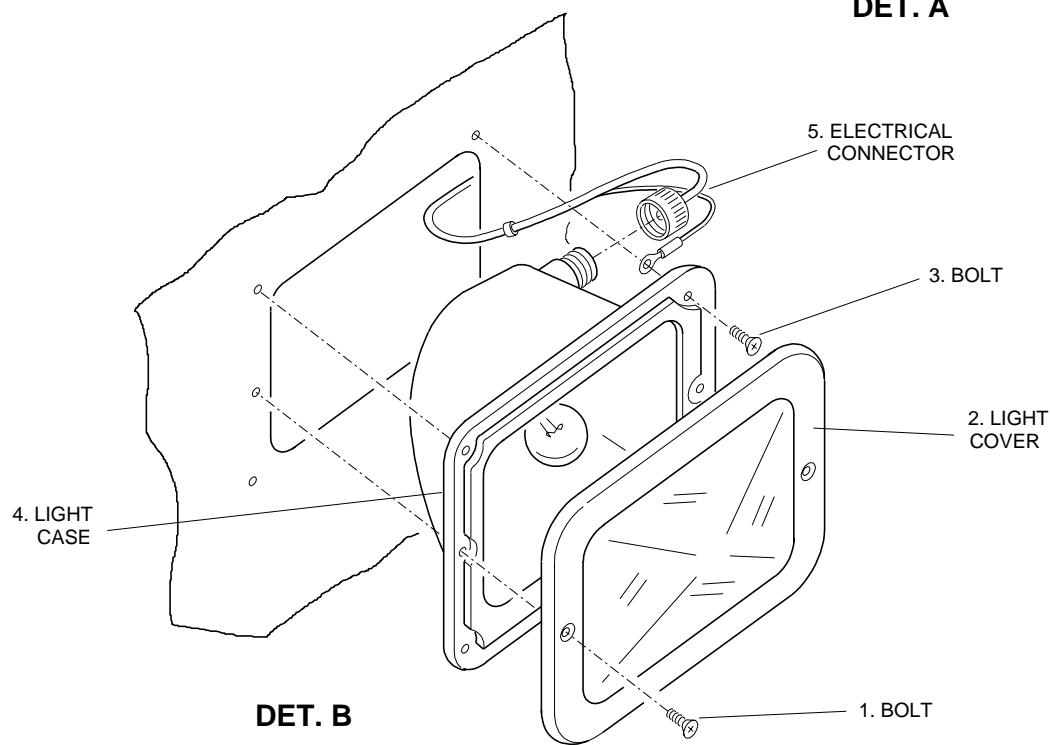
SUBTASK 020-002-A

- (1) Remove the light cover bolts (1) and the light cover (2).
- (2) Remove the light case bolts (3) and the light case (4).
- (3) Remove the light case electrical connector (5).
- (4) Remove all formed plate bolts (6) and the formed plate (7).
- (5) Remove the bolts (8) and washers (9), and remove the refueling/defueling control panel (10).
- (6) Remove the electrical connectors (11) from the refueling/defueling control panel (10).
- (7) Install protection caps to the disconnected electrical connectors.

**EFFECTIVITY: ALL**

Refueling/Defueling Control Panel - Removal/Installation

Figure 401 - Sheet 1

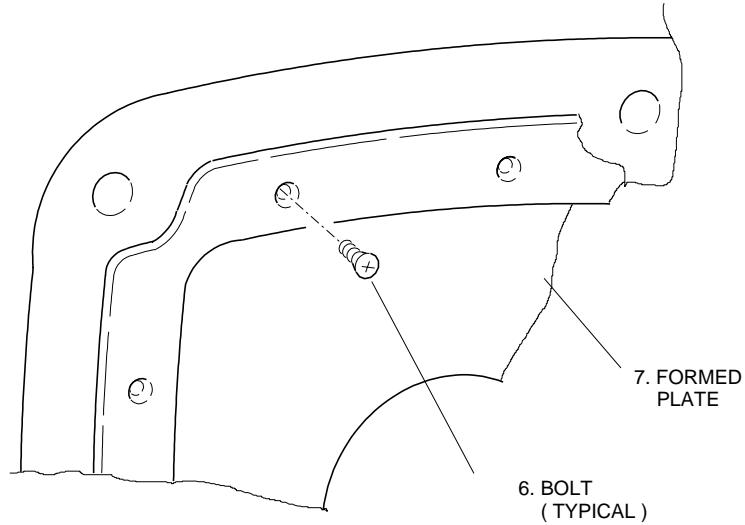
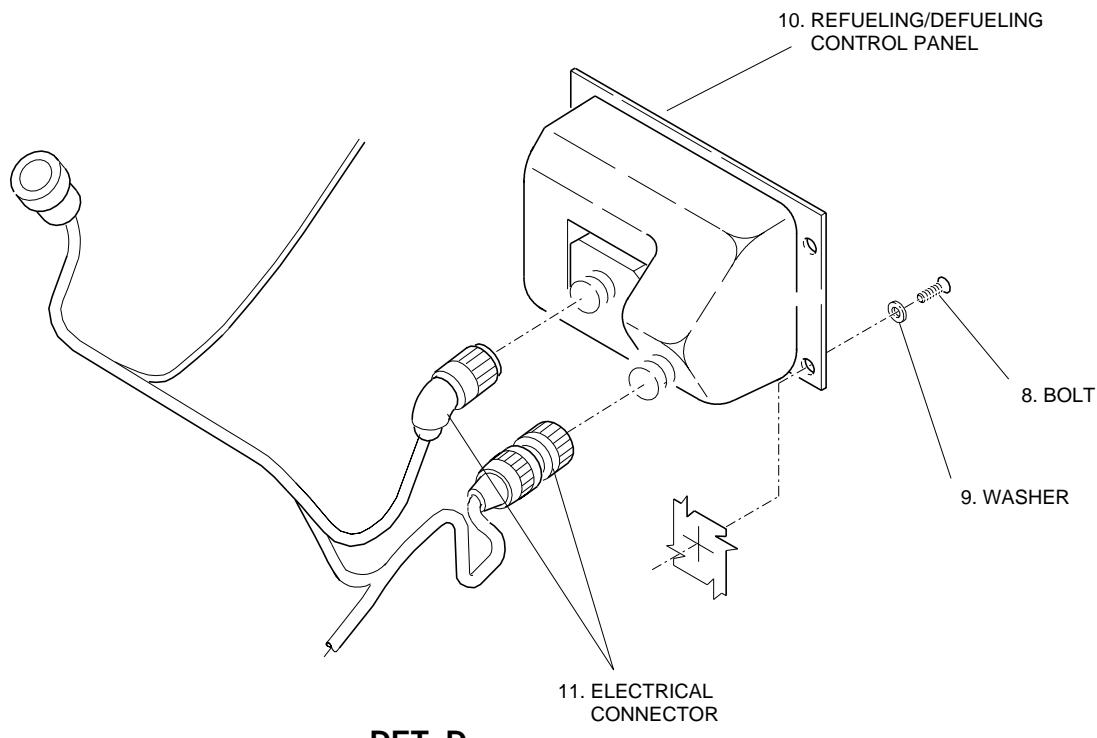

**DET. A**


145AMM280083.MCE B

**EFFECTIVITY: ALL**

Refueling/Defueling Control Panel - Removal/Installation

Figure 401 - Sheet 2


**DET. C**

**DET. D**

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TASK 28-23-09-400-801-A

EFFECTIVITY: ALL

3. REFUELING/DEFUELING CONTROL PANEL - INSTALLATION

A. General

- (1) Obey the instructions below to install the refueling/defueling control panel.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 28-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
191	191BR	Wing-to-fuselage 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	Wing-to-fuselage fairing

I. Preparation

SUBTASK 841-003-A

- (1) On the circuit breaker panel, make sure that the circuit breakers below are open and with a DO-NOT-CLOSE tag attached to them:

- DEFUELING.
- FUEL PUMP 2A.
- FUEL QTY IND 1/2.
- REFUELING 1/2/3.
- START 1/2.



J. Installation (Figure 401)

SUBTASK 420-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 28-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (1) Remove protection caps from all the disconnected electrical connectors.
- (2) Install the electrical connectors (11) to the refueling/defueling control panel (10).
- (3) Install the refuel/defuel control panel (10), the bolts (8), and the washers (9).
- (4) Install the formed plate (7) and all the bolts (6).
- (5) Install the light case electrical connector (5).
- (6) Install the light case (4) and the light case bolts (3).
- (7) Install the light cover (2) and the light cover bolts (1).

K. Follow-on

SUBTASK 842-002-A

- (1) 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 a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Maintenance Review Board Report (MRB).

- (2) Close the access panel 191BR (AMM MPP 06-41-01/100) after the refueling/defueling panel installation.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - DEFUELING.
  - FUEL PUMP 2A.
  - FUEL QTY IND 1/2.
  - REFUELING 1/2/3.
  - START 1/2.

