



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

FUEL-QUANTITY-SELECTOR REPEATER INDICATOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the fuel-quantity-selector repeater.
- 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
28-23-08-000-801-A	FUEL-QUANTITY-SELECTOR REPEATER ALL - REMOVAL	
28-23-08-400-801-A	FUEL-QUANTITY-SELECTOR REPEATER ALL - INSTALLATION	



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TASK 28-23-08-000-801-A

EFFECTIVITY: ALL

2. FUEL-QUANTITY-SELECTOR REPEATER - REMOVAL

## A. General

- (1) Obey the instructions below to remove the fuel-quantity-selector repeater.

## 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:
- FUEL QTY IND 1;
  - FUEL QTY IND 2;
  - REFUEL 1;
  - REFUEL 2;



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- REFUEL 3.

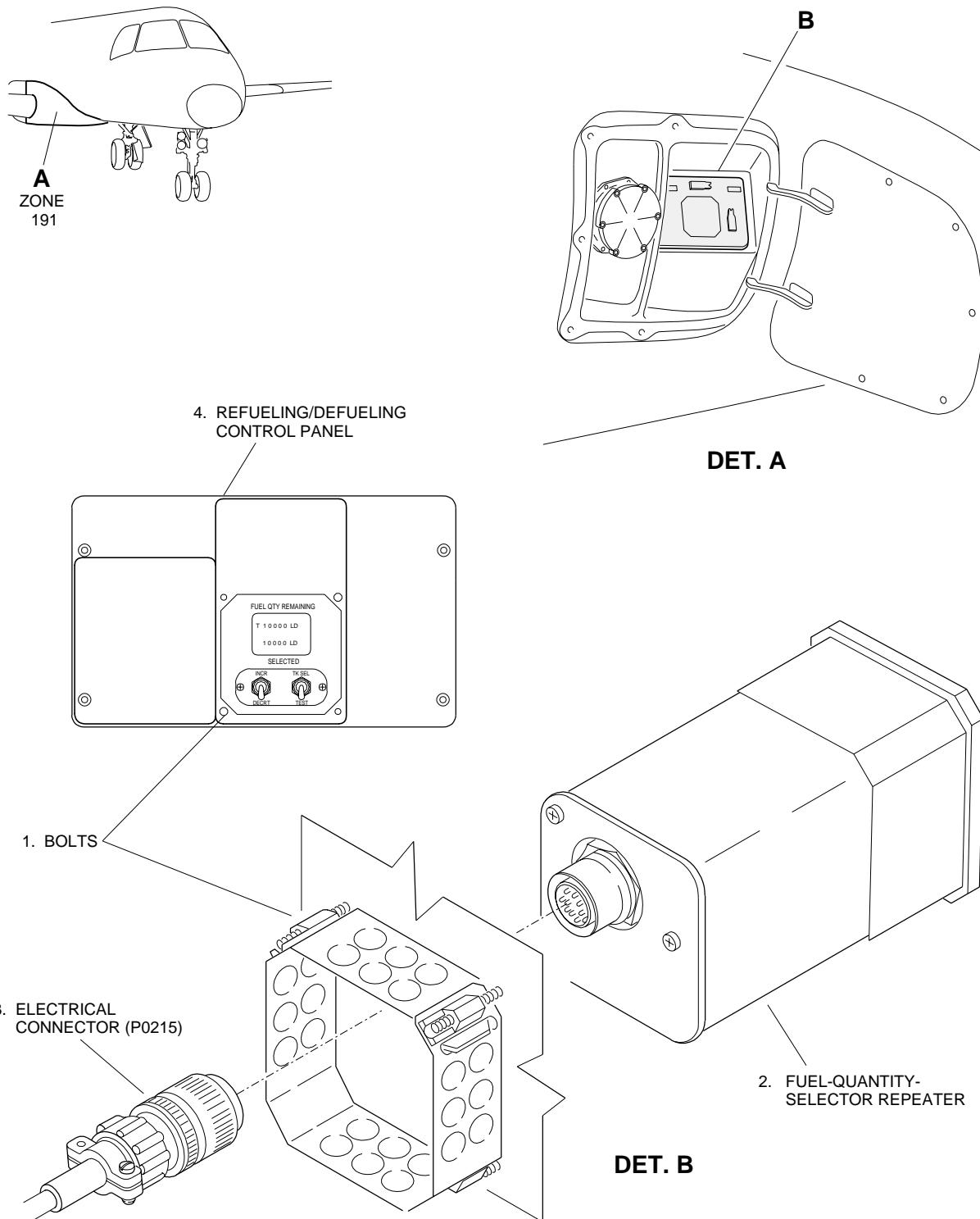
- (2) Open access panel 191BR (AMM MPP 06-41-01/100) to get access to the fuel-quantity-selector repeater (2).

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

SUBTASK 020-002-A

**CAUTION:** PULL OUT THE FUEL-QUANTITY-SELECTOR REPEATER FROM THE REFUELING/DEFUELING CONTROL PANEL CAREFULLY TO PREVENT DAMAGE TO ITS ELECTRICAL CONNECTOR.

- (1) Loosen the bolts (1).
- (2) Remove the fuel-quantity-selector repeater (2) from the refueling/defueling control panel (4).
- (3) Disconnect the electrical connector (3) and install a protection cap to it (3).

**EFFECTIVITY: ALL**
**Fuel-Quantity-Selector Repeater - Removal/Installation**
**Figure 401**




TASK 28-23-08-400-801-A

EFFECTIVITY: ALL

3. FUEL-QUANTITY-SELECTOR REPEATER - INSTALLATION

## A. General

- (1) Obey the instructions below to install the fuel-quantity-selector repeater.

## 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:

- FUEL QTY IND 1;
- FUEL QTY IND 2;
- REFUEL 1;
- REFUEL 2;
- REFUEL 3.



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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 the protection cap from the disconnected electrical connector (3).
- (2) Connect the electrical connector (3) to the fuel-quantity-selector repeater (2).
- (3) Install the fuel-quantity-selector repeater (2) in the refueling/defueling control panel (4).
- (4) Tighten the bolts (1).

K. Follow-on

SUBTASK 842-002-A

- (1) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - FUEL QTY IND 1;
  - FUEL QTY IND 2;
  - REFUEL 1;
  - REFUEL 2;
  - REFUEL 3.
- (2) On the refueling/defueling control panel, set the TK SEL/TEST switch to the TEST position for 5 seconds minimum:
  - (a) The display digits of the fuel-quantity-selector repeater illuminate.
  - (b) Make sure that no fault message is shown.
- (3) Release the TK SEL/TEST switch.
- (4) 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).
- (5) Close access panel 191BR (AMM MPP 06-41-01/100).