



AIRCRAFT  
MAINTENANCE MANUAL

**FLAP ELECTRONIC CONTROL UNIT - REMOVAL/INSTALLATION**

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the Flap Electronic Control Unit (FECU).
- 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 |
|--------------------|--|-------------|
| 27-53-02-000-801-A | FLAP ELECTRONIC CONTROL UNIT - RE- ALL<br>MOVAL      |             |
| 27-53-02-400-801-A | FLAP ELECTRONIC CONTROL UNIT - IN- ALL<br>STALLATION |             |



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TASK 27-53-02-000-801-A

EFFECTIVITY: ALL

2. FLAP ELECTRONIC CONTROL UNIT - REMOVAL

A. General

- (1) This task gives the procedures to remove the Flap Electronic Control Unit (FECU).

B. References

| REFERENCE            | DESIGNATION |
|----------------------|-------------|
| AMM MPP 06-41-01/100 | -           |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION                 |
|------|------------|--------------------------|
| 193  | 193AL      | Wing-to-fuselage fairing |

D. Tools and Equipment

| ITEM    | DESCRIPTION     | PURPOSE   | QTY |
|---------|-----------------|---|-----|
| GSE 299 | Soft Jaw Pliers | To disconnect and connect electrical connectors |     |

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 stub |

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the Circuit Breaker Panel, open the FLAP 1 and FLAP 2 circuit breakers and attach a DO-NOT-CLOSE tag to them.
- (3) Remove access door 193AL (AMM MPP 06-41-01/100).



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

SUBTASK 020-002-A

- (1) Loosen the bolt (3) and washer (4) to remove the Flap Electronic Control Unit (FECU) (1).

- (2) Disconnect the electrical connectors (2).

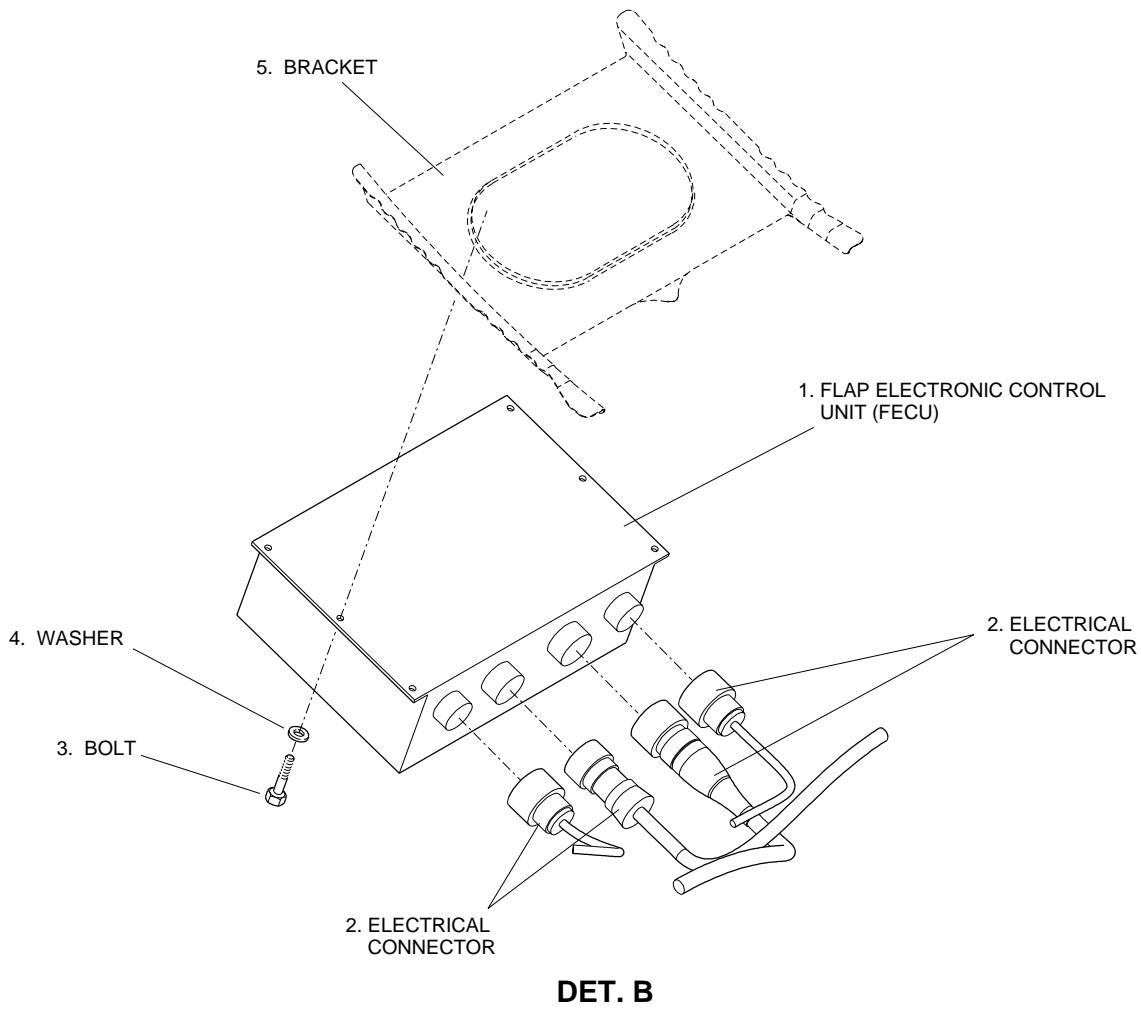
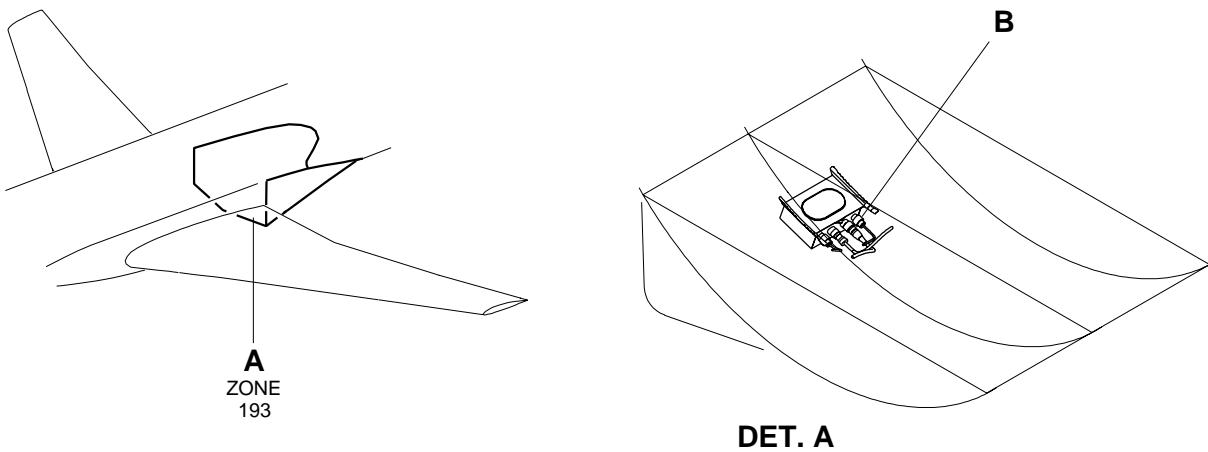
NOTE: If necessary, use soft jaw pliers (GSE 299) to disconnect the electrical connector.

- (3) Remove the FECU (1).

**EFFECTIVITY: ALL**

Flap Electronic Control Unit - Removal/Installation

Figure 401



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TASK 27-53-02-400-801-A

EFFECTIVITY: ALL

3. FLAP ELECTRONIC CONTROL UNIT - INSTALLATION

A. General

- (1) This task gives the procedures to install the Flap Electronic Control Unit (FECU).

B. References

| REFERENCE                       | DESIGNATION |
|---------------------------------|-------------|
| AMM MPP 06-41-01/100            | -           |
| AMM TASK 27-53-00-700-802-A/500 | -           |
| AMM TASK 28-41-00-200-801-A/600 | -           |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION                 |
|------|------------|--------------------------|
| 193  | 193AL      | Wing-to-fuselage fairing |

D. Tools and Equipment

| ITEM    | DESCRIPTION     | PURPOSE   | QTY |
|---------|-----------------|---|-----|
| GSE 299 | Soft Jaw Pliers | To disconnect and connect electrical connectors |     |

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 stub |

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the Flap Electronic Control Unit (FECU) (1) on the bracket (5). Use the bolt (3) and washer (4).

**CAUTION: TO GET A GOOD MATING AND ELECTRICAL CONNECTION BETWEEN THEIR PLUGS AND RECEPTACLES, MAKE SURE THAT:**

- FOR CONNECTORS WHOSE RECEPTACLE HAS THE RED BAND, THE PLUG MUST FULLY COVER THE RED BAND;
- FOR CONNECTORS WHOSE PLUG HAS THE LOCKING INDICATOR, THE LOCKING INDICATOR MUST BE ALIGNED WITH OR PAST THE PLUG ORANGE LINE.

(2) Connect the electrical connectors (2).

**NOTE:** It is recommended that soft jaw pliers (GSE 299) be used to ensure that the connectors are properly connected.

J. 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 part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

(2) Install access door 193AL (AMM MPP 06-41-01/100).

(3) On the Circuit Breaker Panel, close the FLAP 1 and FLAP 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.

(4) Do the operational check of the flap control system (AMM TASK 27-53-00-700-802-A/500).