



## AIRCRAFT MAINTENANCE MANUAL

### FLAP DRIVE MOTOR UNIT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove and install the Flap Drive Motor Unit (FDMU).
- B. There are two FDMU installed in the Flap Power Drive Unit (FPDU). Figure 401 gives the location of the FDMU 1 and FDMU 2.
- 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 |
|--------------------|--|-------------|
| 27-53-01-000-801-A | FLAP DRIVE MOTOR UNIT (FDMU) - RE-<br>MOVAL      | ALL         |
| 27-53-01-400-801-A | FLAP DRIVE MOTOR UNIT (FDMU) - IN-<br>STALLATION | ALL         |



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TASK 27-53-01-000-801-A

EFFECTIVITY: ALL

2. FLAP DRIVE MOTOR UNIT (FDMU) - REMOVAL

A. General

- (1) This task gives the procedures to remove the Flap Drive Motor Unit (FDMU).

B. References

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

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION  |
|------|------------|-----------|
| 193  | 193AL      | Wing stub |

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).

J. Removal (Figure 401)

**SUBTASK 020-002-A**

NOTE: The procedures below are applicable to FDMU 1 (3) and FDMU 2 (5).

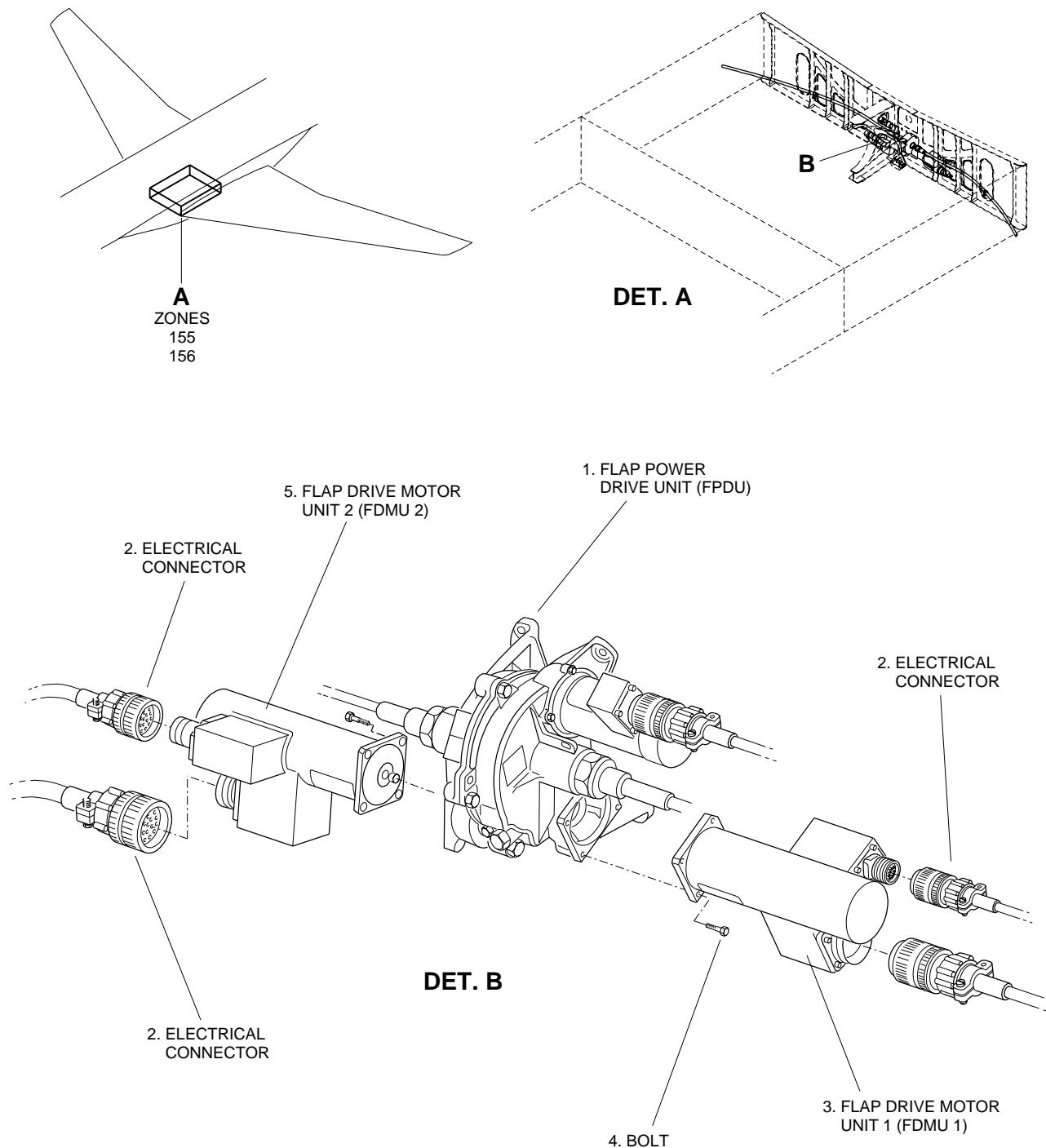


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- (1) Disconnect the electrical connectors (2) from the applicable Flap Drive Motor Unit (FDMU).

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

- (2) Remove the bolts (4) to release the FDMU.
- (3) Remove the FDMU from the FPDU (1).

**EFFECTIVITY: ALL**
**Flap Drive Motor Unit (FDMU) - Removal/Installation**
**Figure 401**


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TASK 27-53-01-400-801-A

EFFECTIVITY: ALL

3. FLAP DRIVE MOTOR UNIT (FDMU) - INSTALLATION

A. General

(1) This task gives the procedures to install the Flap Drive Motor Unit (FDMU).

B. References

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

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION  |
|------|------------|-----------|
| 193  | 193AL      | Wing stub |

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

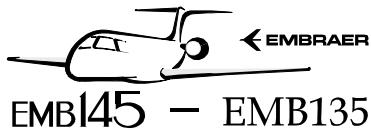
| QTY | FUNCTION      | PLACE     |
|-----|---------------|-----------|
| 1   | Does the task | Wing stub |

I. Installation (Figure 401)

SUBTASK 420-002-A

NOTE: The procedures below are applicable to FDMU 1 (3) and FDMU 2 (5).

(1) Install the Flap Drive Motor Unit (FDMU) in the FPDU (1). Use the bolts (4).



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**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.
- FOR CONNECTORS THAT DO NOT HAVE THE INDICATIONS ABOVE, USE SOFT JAW PLIERS (GSE 299) TO ENSURE THAT THE CONNECTOR IS PROPERLY CONNECTED.

(2) Connect the electrical connectors (2) to the Flap Drive Motor Unit (FDMU).

**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) On the Circuit Breaker Panel, close the FLAP 1 and FLAP 2 circuit breakers and remove the DO-NOT-CLOSE tag from them.
- (2) Install access door 193AL (AMM MPP 06-41-01/100).
- (3) Do the operational check of the flap control system (AMM TASK 27-53-00-700-802-A/500).