



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

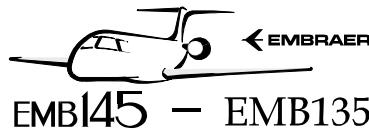
**WING LEVEL CONTROL UNIT - REMOVAL/INSTALLATION**

*EFFECTIVITY: AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM*

1. General

- A. This section gives the procedures to remove/install the wing level control unit.
- 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
28-23-19-000-801-A	WING LEVEL CONTROL UNIT - REMOVAL	AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM
28-23-19-400-801-A	WING LEVEL CONTROL UNIT - INSTALLATION	AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-23-19-000-801-A

EFFECTIVITY: AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM

2. WING LEVEL CONTROL UNIT - REMOVAL

A. General

- (1) This task gives the procedures to remove the wing level control unit.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	221GF	Cockpit

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	Cockpit

I. Preparation

*SUBTASK 841-002-A*

- (1) Make sure that the aircraft is safe for maintenance.
- (2) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSED tag to them:
  - REFUEL1 - DC BUS 1.
  - REFUEL2 - DC BUS 2.
- (3) Open door 221GF (AMM MPP 06-41-02/100) to get access to the wing level control unit.



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

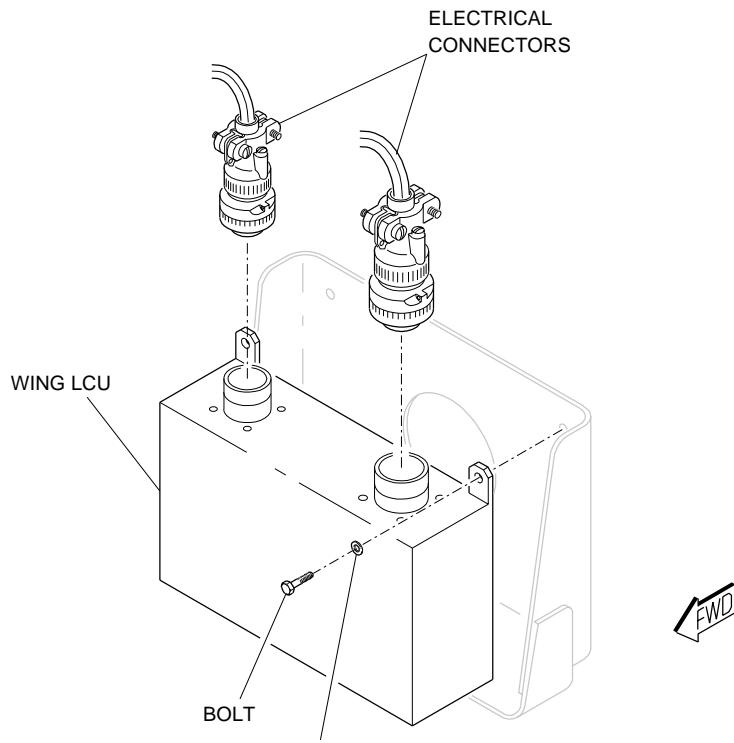
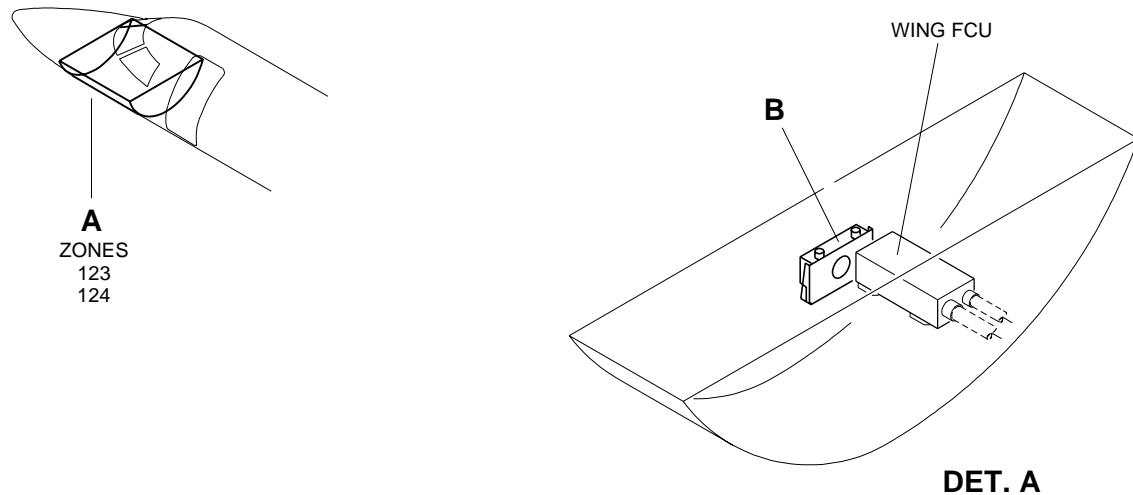
SUBTASK 020-002-A

- (1) Disconnect electrical connectors from the wing level control unit.
- (2) Install a protection cap on the disconnected electrical connectors.
- (3) Remove the screws and the washers from the wing level control unit.
- (4) Remove the wing level control unit from its support on the structure.

**EFFECTIVITY: AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM**

Wing Level Control Unit - Removal/Installation

Figure 401



**DET. B**

145AMM280857.MCE



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 28-23-19-400-801-A

EFFECTIVITY: AIRCRAFT WITH HIGH LEVEL EXCEEDING INDICATIONS SYSTEM

3. WING LEVEL CONTROL UNIT - INSTALLATION

A. General

- (1) This task gives the procedures to install the wing level control unit.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM TASK 28-41-00-200-801-A/600	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
123	221GF	Cockpit

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	Cockpit

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the wing level control unit in position.
- (2) Install the screws and washers.
- (3) Remove the protection cap from electrical connectors.
- (4) Connect electrical connectors to the wing level control unit .

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).



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

**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 access door 221GF (AMM MPP 06-41-02/100).
- (3) On the circuit breakers panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
  - REFUEL1 - DC BUS 1.
  - REFUEL2 - DC BUS 1.