



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

PANEL LIGHTING DIMMER - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the dimmers.
- B. There are six dimmers which control the lighted pushbuttons, the lighted control panels and the instruments.
- 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
33-12-01-000-801-A	DIMMER - REMOVAL	ALL
33-12-01-400-801-A	DIMMER - INSTALLATION	ALL



# AIRCRAFT MAINTENANCE MANUAL

TASK 33-12-01-000-801-A

EFFECTIVITY: ALL

## 2. DIMMER - REMOVAL

### A. General

- (1) This task gives the procedures to remove one of the six dimmers bellow:
- PEDESTAL dimmer
  - PILOT dimmer
  - COPILOT dimmer
  - OVHD dimmer 1
  - OVHD dimmer 2
  - PUSHBUTTONS dimmer

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
S.B.145-32-0036	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113AZ	Left forward electronic compartment

### 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	Left forward electronic compartment

I. Preparation

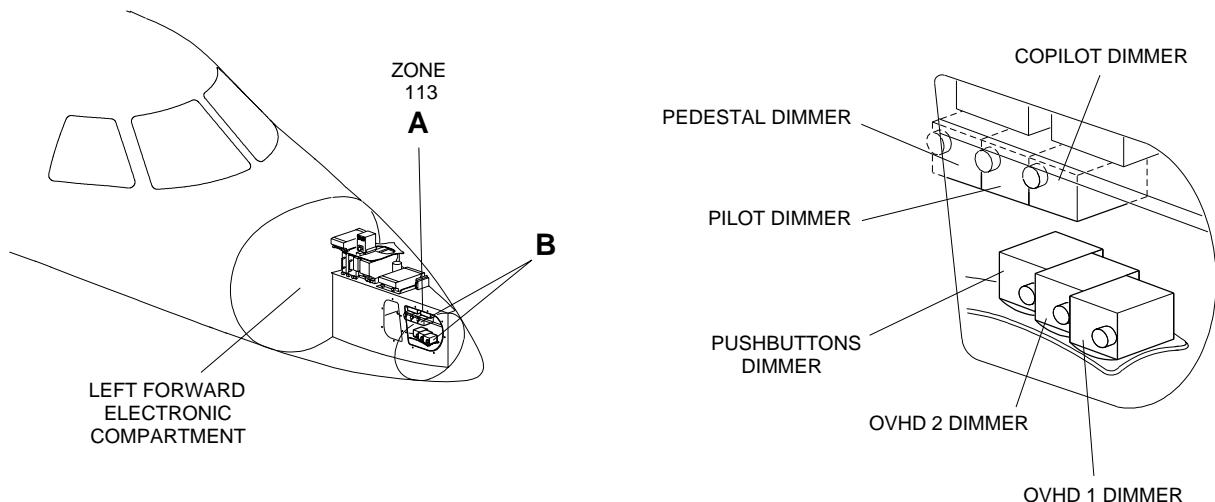
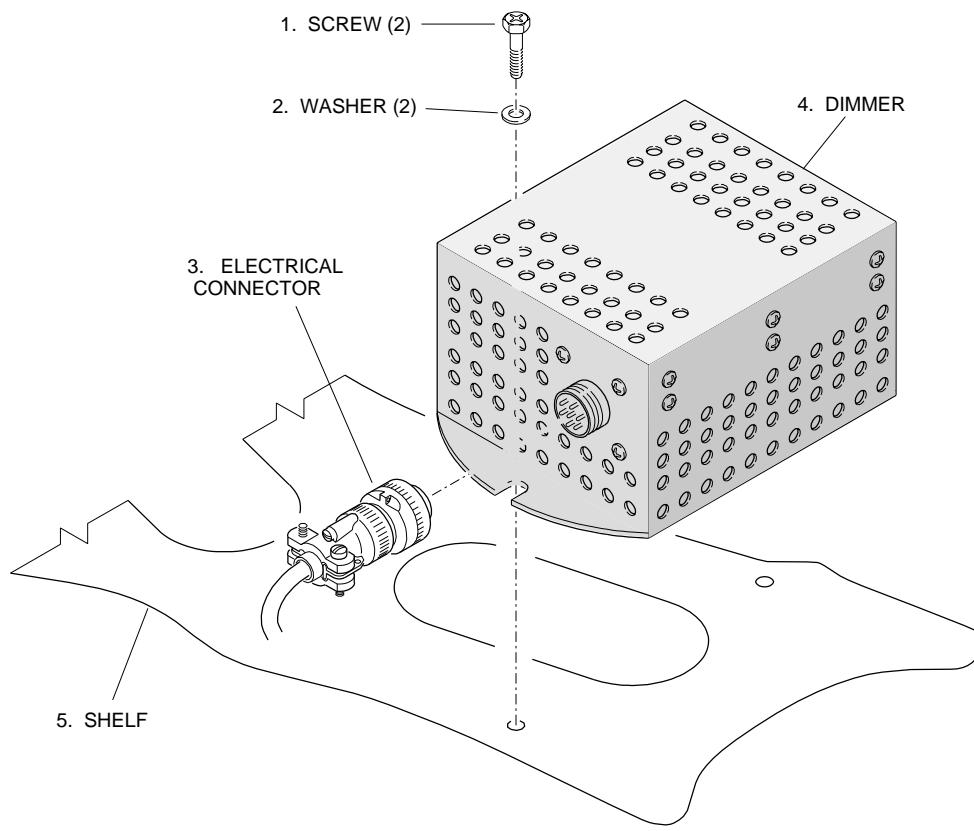
SUBTASK 841-002-A

- (1) On the aircraft PRE-MOD [S.B.145-32-0036](#), make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (2) On the aircraft POST-MOD [S.B.145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (3) Open the circuit breaker of the system from which you will remove the dimmer and attach a DO-NOT-CLOSE tag to it.
  - OVHD PANEL light (Location tip: DC BUS 1/LIGHTS/OVHD PANEL).
  - PILOT PANEL light (Location tip: ESSENTIAL DC BUS 1/LIGHTS/PILOT PANEL).
  - PEDESTAL PANEL light (Location tip: ESSENTIAL DC BUS 2/LIGHTS/PEDESTAL PANEL).
  - PUSHBUTTONS light (Location tip: DC BUS 2/LIGHTS/PUSHBUTTONS).
  - COPILOT PANEL light (Location tip: ESSENTIAL DC BUS 2/LIGHTS/COPilot PANEL).
- (4) Remove the access panel 113AZ (AMM MPP 06-41-01/100).

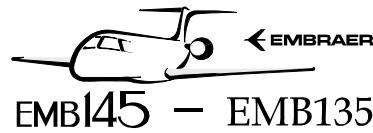
J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Disconnect the electrical connector (3) from the dimmer.
- (2) Loosen the two screws (1) and two washer (2) which attach the dimmer (4) to the shelf panel (5).
- (3) Remove the Dimmer (4).

**EFFECTIVITY: ALL**
**Dimmer - Removal/Installation**
**Figure 401**

**DET. A**

**DET. B**

145AMM330055.MCE B



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TASK 33-12-01-400-801-A

EFFECTIVITY: ALL

3. DIMMER - INSTALLATION

A. General

- (1) This task gives the procedures to install one of these six dimmer.
- PEDESTAL dimmer
  - PILOT dimmer
  - COPILOT dimmer
  - OVHD dimmer 1
  - OVHD dimmer 2
  - PUSHBUTTONS dimmer

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 32-00-02-910-801-A/200</a>	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
<a href="#">AMM TASK 33-12-00-700-801-A/500</a>	INSTRUMENT AND CONTROL PANEL LIGHTS - OPERATIONAL TEST
<a href="#">S.B.145-32-0036</a>	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113AZ	Left forward electronic compartment

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	Left forward electronic compartment



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I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the dimmer (4) in its installation position.
- (2) Tighten the two screws (1) and two washers (2).
- (3) Connect the Electrical connector (3) to the dimmer.

J. Follow-on

SUBTASK 842-002-A

- (1) On the aircraft POST-MOD [S.B.145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (2) Close the related circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (3) Do the applicable system test ([AMM TASK 33-12-00-700-801-A/500](#)).
- (4) Install the access panel 113AZ (AMM MPP 06-41-01/100).