

## CEILING BALLASTS - REMOVAL/INSTALLATION

*EFFECTIVITY: ACFT MODEL(S) EMB-135*

### 1. General

- A. This section gives the procedures to remove and install the ceiling ballasts.
- 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
33-21-05-000-801-A	CEILING BALLASTS - REMOVAL	ACFT MODEL(S) EMB-135
33-21-05-400-801-A	CEILING BALLASTS - INSTALLATION	ACFT MODEL(S) EMB-135

TASK 33-21-05-000-801-A

*EFFECTIVITY: ACFT MODEL(S) EMB-135*

## 2. CEILING BALLASTS - REMOVAL

### A. General

- (1) This task gives the procedures to remove the ceiling ballasts.
- (2) The ballasts are installed on the LH PSU supporting structure.

### B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM TASK 25-26-04-000-803-A/400	-
AMM TASK 25-26-04-000-804-A/400	-
AMM TASK 25-30-07-000-801-A/400	-

### C. Zones and Accesses

Not Applicable

### D. Tools and Equipment

Not Applicable

### E. Auxiliary Items

Not Applicable

### F. Consumable Materials

Not Applicable

### G. Expandable Parts

Not Applicable

### H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Passenger cabin

### I. Preparation

#### *SUBTASK 841-007-B*

- (1) On the LH electrical-power control/distribution box, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
  - CABIN LIGHT 1 (Location tip: RB SERV BUS/CABIN LIGHT 1).
  - CABIN LIGHT 1 (Location tip: RB DC BUS 2/CABIN LIGHT 1).
- (2) Remove the LH Galley (AMM TASK 25-30-07-000-801-A/400), if applicable.
- (3) Remove the LH wardrobe option 1 (AMM TASK 25-26-04-000-803-A/400), if applicable.

- (4) Remove the LH wardrobe option 2 (AMM TASK 25-26-04-000-804-A/400), if applicable.
- (5) Open the PSU assembly, as applicable.

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

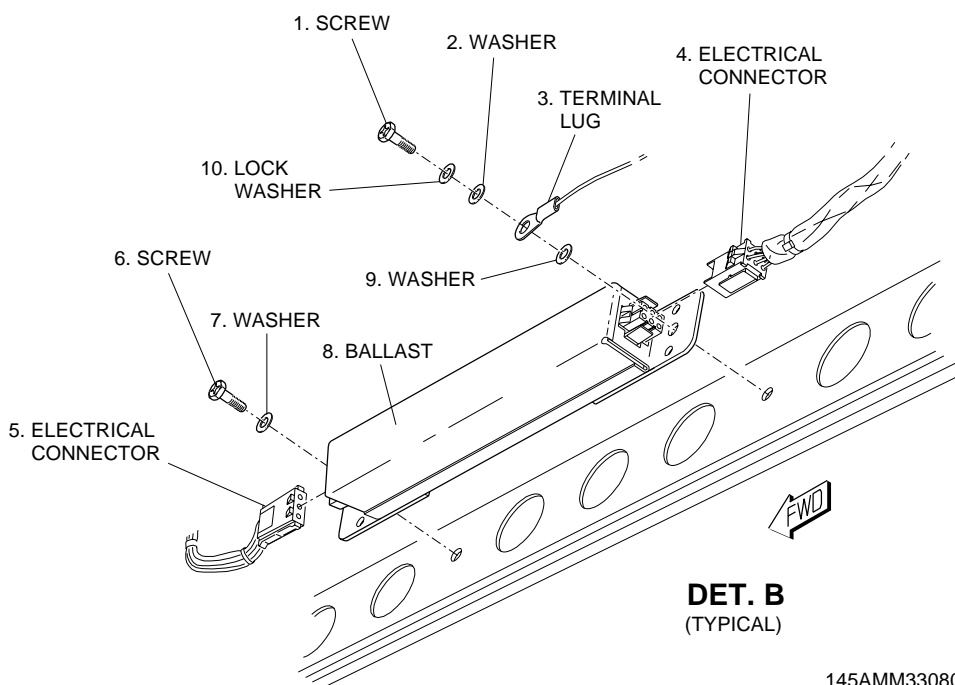
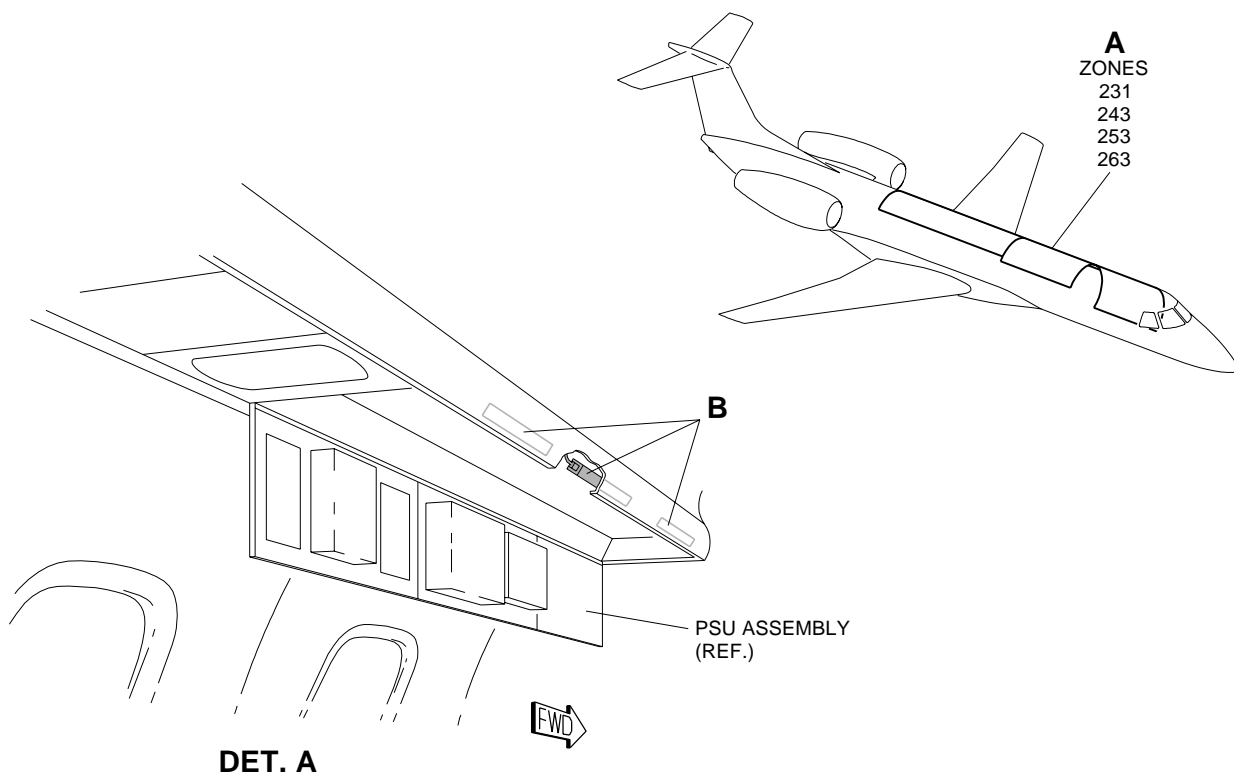
*SUBTASK 020-007-B*

- (1) Disconnect the two electrical connectors (4) (5).
- (2) Remove the screw (6) and washer (7) that attach the ballast (8) to the PSU support structure.
- (3) Remove the screw (1), lock washer (10), and washers (2) (9) that attach the terminal lug (3) to the ballast (8).
- (4) Remove the ballast (8).

EFFECTIVITY: ACFT MODEL(S) EMB-135

Cabin Light Ballast - Removal/Installation

Figure 401



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TASK 33-21-05-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-135

### 3. CEILING BALLASTS - INSTALLATION

#### A. General

- (1) This task gives the procedures to install the ceiling sidewall ballasts.
- (2) The ballasts are installed on the LH PSU supporting structure.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-13-21-700-801-A/200</a>	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
<a href="#">AMM TASK 20-13-21-910-801-A/200</a>	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
<a href="#">AMM TASK 20-13-21-910-802-A/200</a>	ELECTRICAL BONDING PROTECTION - STANDARD PROCEDURES
AMM TASK 25-26-04-400-803-A/400	-
AMM TASK 25-26-04-400-804-A/400	-
AMM TASK 25-30-07-000-801-A/400	-
<a href="#">AMM TASK 33-21-00-700-801-A/500</a>	PASSENGER CABIN LIGHTS - OPERATIONAL TEST

#### C. Zones and Accesses

Not Applicable

#### 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	Passenger cabin

#### I. Installation (Figure 401)

##### *SUBTASK 420-007-B*

- (1) Do the bonding procedure, method 3 ([AMM TASK 20-13-21-910-801-A/200](#)).
- (2) Put the ballast (8) in position.

- (3) Tighten the screw (6) and washer (7) that attach the ballast (8) to the PSU supporting structure.
- (4) Connect the terminal lug (3) to the ballast with the screw (1), lock washer (10), and washers (2) (9).
- (5) Tighten the screw (1), lock washer (10), and washers (2) (9) that attach the terminal lug to the ballast.
- (6) Do the bonding test ([AMM TASK 20-13-21-700-801-A/200](#)).
- (7) Do the bonding protection ( [AMM TASK 20-13-21-910-802-A/200](#)).
- (8) Connect the two electrical connectors (4) (5) to the ballast (8).

J. Follow-on

*SUBTASK 842-007-B*

- (1) On the LH electrical-power control/distribution box, remove the DO-NOT-CLOSE tags from these circuit breakers and close them:
  - CABIN LIGHT 1 (Location tip: RB SERV BUS/CABIN LIGHT 1).
  - CABIN LIGHT 1 (Location tip: RB DC BUS 2/CABIN LIGHT 1).
- (2) Close the PSU assembly, as applicable.
- (3) Install the LH Galley (AMM TASK 25-30-07-000-801-A/400), if applicable.
- (4) Install the LH wardrobe option 1 (AMM TASK 25-26-04-400-803-A/400), if applicable.
- (5) Install the LH wardrobe option 2 (AMM TASK 25-26-04-400-804-A/400), if applicable.
- (6) Do the cabin-light operational test ( [AMM TASK 33-21-00-700-801-A/500](#)).