



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

GALLEY LIGHT BALLASTS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the galley light 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
33-29-05-000-801-A	GALLEY LIGHT BALLASTS - REMOVAL	ALL
33-29-05-400-801-A	GALLEY LIGHT BALLASTS - INSTALLATION	ALL



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TASK 33-29-05-000-801-A

EFFECTIVITY: ALL

2. GALLEY LIGHT BALLASTS - REMOVAL

A. General

- (1) This task gives the procedures to remove the galley light ballasts.
- (2) This task is applicable to the removal of the forward/aft galley light ballasts (installed on the service-door region ceiling panel) and the outboard galley light ballast (installed on the main-door region ceiling panel).

B. References

REFERENCE	DESIGNATION
AMM TASK 25-22-04-000-801-A/400	-
AMM TASK 25-22-04-000-802-A/400	-
AMM TASK 25-22-04-000-803-A/400	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
233	233ALC	Main-door region ceiling panel
234	234ARC	Service-door region ceiling panel

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. Preparation

SUBTASK 841-004-A

- (1) On the RH electrical-power control/distribution box, open these circuit breakers and attach DO-NOT-CLOSE tags to them:
 - GALLEY LIGHTS (Location tip: RB GND SERV BUS 2/GALLEY LIGHTS).
 - AFT GALLEY (Location tip: RB SHED DC BUS 2/AFT GALLEY).



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- (2) (For EMB-145() MODELS) Remove the main-door region ceiling panel or service-door region ceiling panel, as applicable (AMM TASK 25-22-04-000-801-A/400).
- (3) (For EMB-135() MODELS) Remove the main-door region ceiling panel or service-door region ceiling panel, as applicable (AMM TASK 25-22-04-000-802-A/400).
- (4) (For EMB-135SL MODELS) Remove the main-door region ceiling panel or service-door region ceiling panel, as applicable (AMM TASK 25-22-04-000-803-A/400).

J. Removal (Figure 401) (Figure 402)

SUBTASK 020-004-A

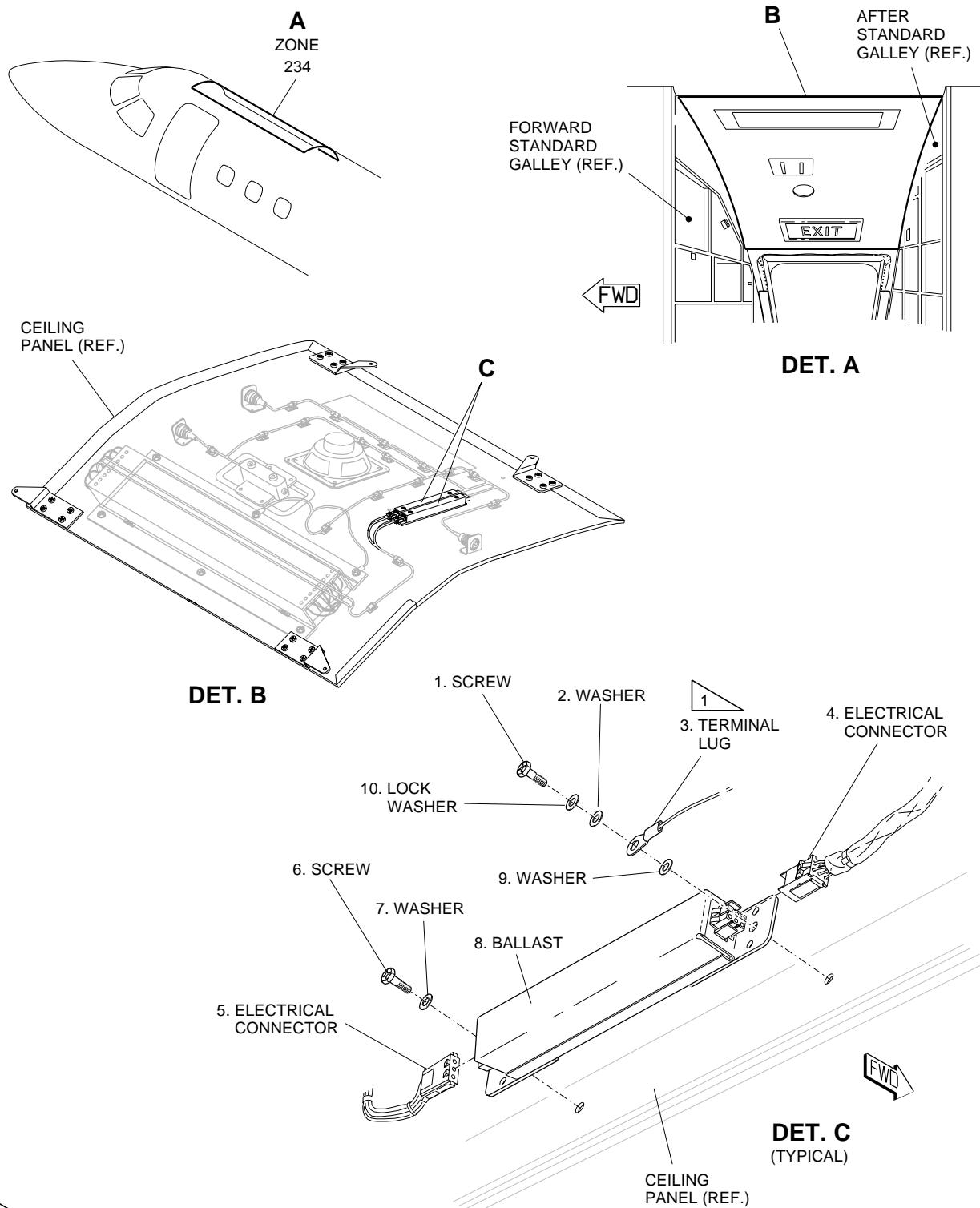
CAUTION: MAKE MATCH MARKS ON ALL THE ELECTRICAL WIRES OR CABLES BEFORE YOU DISCONNECT THEM. INCORRECT CONNECTION OF WIRES OR CABLES WILL CAUSE DAMAGE TO EQUIPMENT.

- (1) Disconnect the two electrical connectors (4) (5).
- (2) Remove the screw (6) and washer (7) that attach the ballast (8) to the ceiling panel.
- (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: ALL

Galley Light Ballast - Removal/Installation

Figure 401

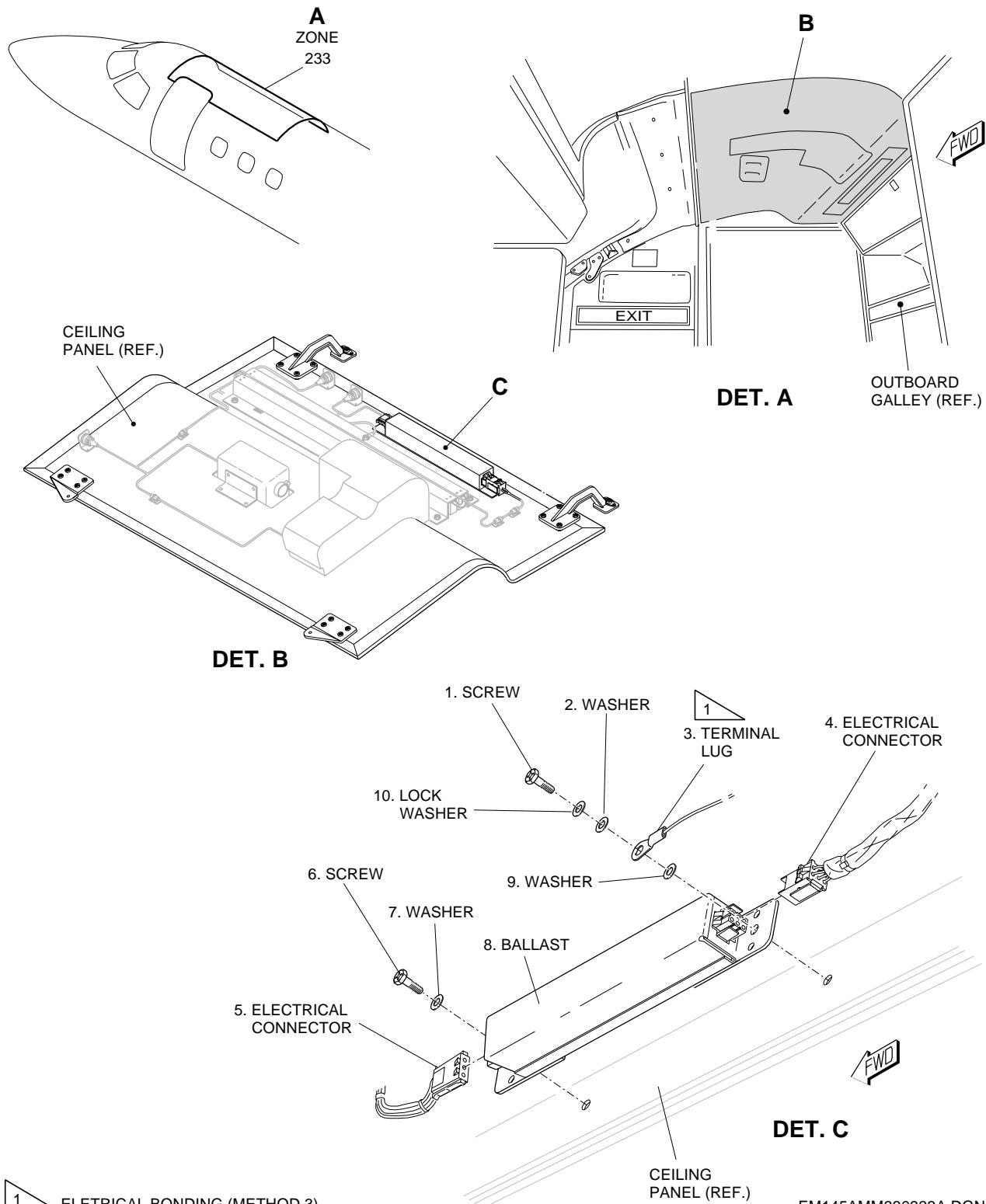


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EFFECTIVITY: ACFT WITH OUTBOARD GALLEY

Galley Light Ballast - Removal/Installation

Figure 402



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TASK 33-29-05-400-801-A

EFFECTIVITY: ALL

3. GALLEY LIGHT BALLASTS - INSTALLATION

A. General

- (1) This task gives the procedures to install the galley light ballasts.
- (2) This task is applicable to the installation of the forward/aft galley light ballasts (installed on the service-door region ceiling panel) and the outboard galley light ballast (installed on the main-door region ceiling panel).

B. References

REFERENCE	DESIGNATION
AMM TASK 20-13-21-700-801-A/200	ELECTRICAL BONDING TEST - STANDARD PROCEDURES
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 20-13-21-910-802-A/200	ELECTRICAL BONDING PROTECTION - STANDARD PROCEDURES
AMM TASK 25-22-04-400-801-A/400	-
AMM TASK 25-22-04-400-802-A/400	-
AMM TASK 25-22-04-400-803-A/400	-
AMM TASK 33-29-00-700-801-A/500	GALLEY LIGHTS - OPERATIONAL TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
233	233ALC	Main-door region ceiling panel
234	234ARC	Service-door region ceiling panel

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) (Figure 402)

SUBTASK 420-004-A

- (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 ceiling panel.
- (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](#)) on the galley light ballast (8).
- (7) Do the bonding protection ([AMM TASK 20-13-21-910-802-A/200](#)).

CAUTION: REFER TO THE MATCH MARKS MADE DURING THE REMOVAL WHEN YOU CONNECT THE ELECTRICAL WIRES OR CABLES. INCORRECT CONNECTION OF WIRES OR CABLES WILL CAUSE DAMAGE TO EQUIPMENT.

- (8) Connect the two electrical connectors (4) (5) to the ballast (8).

J. Follow-on

SUBTASK 842-004-A

- (1) (For EMB-145() MODELS) Install the ceiling panel ([AMM TASK 25-22-04-400-801-A/400](#)).
- (2) (For EMB-135() MODELS) Install the ceiling panel ([AMM TASK 25-22-04-400-802-A/400](#)).
- (3) (For EMB-135SL MODELS) Install the ceiling panel ([AMM TASK 25-22-04-400-803-A/400](#)).
- (4) On the RH electrical-power control/distribution box, remove the DO-NOT-CLOSE tags from these circuit breakers and close them:
 - GALLEY LIGHTS (Location tip: RB GND SERV BUS 2/GALLEY LIGHTS).
 - AFT GALLEY (Location tip: RB SHED DC BUS 2/AFT GALLEY).
- (5) Do an operational test of the galley lights ([AMM TASK 33-29-00-700-801-A/500](#)).

