



## AIRCRAFT MAINTENANCE MANUAL

### LAVATORY LIGHT BALLAST - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove and install the lavatory 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
33-28-02-000-801-A	LAVATORY LIGHT BALLAST - REMOVAL	ALL
33-28-02-400-801-A	LAVATORY LIGHT BALLAST - INSTALLA- TION	ALL



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 33-28-02-000-801-A

EFFECTIVITY: ALL

2. LAVATORY LIGHT BALLAST - REMOVAL

A. General

- (1) This task gives the procedure to remove the lavatory light ballasts.
- (2) There are two ballasts. One is installed on the left side, behind the amenity dispenser, and the other is installed behind the cover on the RH cabinet.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Lavatory

H. Preparation

SUBTASK 841-002-A

- (1) Open these circuit breakers and attach DO-NOT-CLOSE tags to them.
  - (a) LIGHTS on the circuit breaker panel (Location Tip: DC BUS 1/LAVATORY/LIGHTS).
  - (b) LAVATORY on the RH power control and distribution box (Location tip: RB SERV BUS/LAVATORY).

I. Removal (Figure 401)

SUBTASK 020-002-A

- (1) Do this item to remove the ballast installed behind the amenity dispenser (Figure 401).
  - (a) Remove the mirror (8) with the aid of a deploy tool.
  - (b) Release the amenity dispenser (7) from the sink cabinet with the aid of a deploy tool.
  - (c) Disconnect the electrical connectors (5).

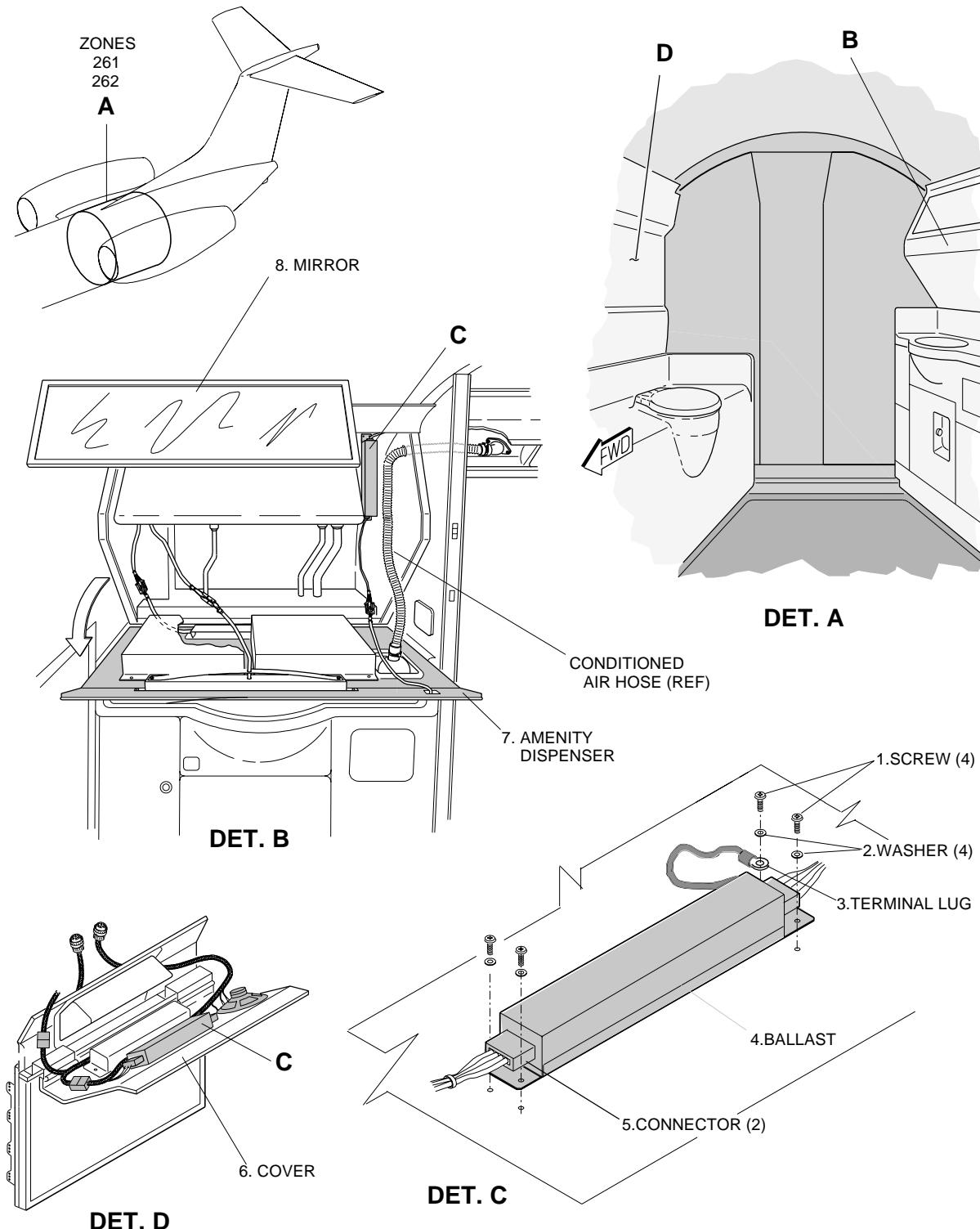


EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

NOTE: If necessary, carefully hold the conditioned air hose to have access to the ballast and do these actions.

- (d) Remove the four screws (1) and the four washers (2) that attach the ballast (4).
  - (e) Release the terminal lug (3) from the ballast (4).
  - (f) Remove the ballast (4).
- (2) Do this item to remove the ballast installed behind the cover on the RH cabinet ([Figure 401](#)).
    - (a) Carefully open the cover (6) with the aid of a deploy tool.
    - (b) Disconnect the electrical connectors (5).
    - (c) Remove the four screws (1) and the four washers (2) that attach the ballast (4).
    - (d) Release the terminal lug (3) from the ballast (4).
    - (e) Remove the ballast (4).

**EFFECTIVITY: ALL**
**Lavatory Light Ballast - Removal/Installation**
**Figure 401**


145AMM330694.MCE

**TASK 33-28-02-400-801-A**
*EFFECTIVITY: ALL*
**3. LAVATORY LIGHT BALLAST - INSTALLATION**
**A. General**

- (1) This task gives the procedure for installation of the lavatory light ballasts.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM TASK 20-13-21-910-801-A/200	TYPES OF ELECTRICAL BONDING AND SURFACE PREPARATION - STANDARD PROCEDURES
AMM TASK 33-28-00-700-801-A/500	LAVATORY 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**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Lavatory

**I. Installation (Figure 401)**
**SUBTASK 420-002-A**

- (1) Do this item to install the ballast behind the amenity dispenser (Figure 401).

- (a) Connect the electrical connector (5) to the ballast (4).

- (b) Put the ballast (4) in position.

- (c) Connect the terminal lug (3) to the ballast (4) with the screw (1) and washer (2).

NOTE: Refer to [AMM TASK 20-13-21-910-801-A/200](#) for the correct installation of the terminal lug (3).

- (d) Tighten the screw (1) and the washer (2) that attach the terminal lug (3) to the ballast (4).

- (e) Tighten the remaining three screws (1) and the remaining three washers (2) that attach the ballast (4) to the panel.
  - (f) Install the amenity dispenser (7) on the sink cabinet.
  - (g) Install the mirror (8) on the sink cabinet.
- (2) Do this item to install the ballast behind the cover on the RH cabinet (Figure 401).
- (a) Connect the electrical connector (5) to the ballast (4).
  - (b) Put the ballast (4) in position.
  - (c) Connect the terminal lug (3) to the ballast (4) with the screw (1) and washer (2).  
**NOTE:** Refer to [AMM TASK 20-13-21-910-801-A/200](#) for the correct installation of the terminal lug (3).
  - (d) Tighten the screw (1) and the washer (2) that attach the terminal lug (3) to the ballast (4).
  - (e) Tighten the remaining three screws (1) and the remaining three washers (2) that attach the ballast (4) to the panel.
  - (f) Close the cover (6).

J. Follow-on

SUBTASK 842-002-A

- (1) Remove the DO-NOT-CLOSE tag from these circuit breakers and close them.
  - (a) LIGHTS on the circuit breaker panel (Location Tip: DC BUS 1/LAVATORY/LIGHTS).
  - (b) LAVATORY on the RH power control and distribution box (Location tip: RB SERV BUS/LAVATORY).
- (2) Do the lavatory light operational test ([AMM TASK 33-28-00-700-801-A/500](#)).