

INCANDESCENT PASSENGER/CARGO COMPARTMENT LIGHTING - MAINTENANCE PRACTICES**1. General**

A. This section includes the removal and installation procedures for the incandescent lighting components that follow:

- (1) The reading light
- (2) The reading light switch
- (3) The cargo entrance door light
- (4) The passenger entrance door and center aisle light.

B. The procedures that follow for the removal and installation of the lighting switches and timer are applicable to the incandescent and LED type of interior lighting installations:

- (1) The NO SMOKING/FASTEN SEAT BELT annunciator warning panel
- (2) Door switch
- (3) Timer
- (4) Lower instrument panel passenger compartment light switch

2. Passenger Reading Light Removal/Installation (Model 208)

A. Remove Passenger Reading Light (Refer to Figure 201).

- (1) Pull lens assembly (13) from socket assembly (11).
- (2) Press in on bulb (12) and turn counterclockwise to remove.
- (3) Using a spanner wrench, unscrew socket assembly (11) counterclockwise and pull out of opening.
- (4) Disconnect electrical leads (9) and tag for reinstallation.

B. Install Passenger Reading Light (Refer to Figure 201).

- (1) Connect electrical leads (9) to socket (11) and remove tags.
- (2) Using a spanner wrench, rotate socket assembly (11) approximately six turns counterclockwise, then screw clockwise into retainer (4). Electrical leads (9) should not be twisted.
- (3) Insert bulb (12) into socket (11), press in slightly, and turn clockwise.
- (4) Install lens assembly (13).

3. Passenger Reading Light Switch Removal/Installation (Model 208)

A. Remove Passenger Reading Light Switch (Refer to Figure 201).

- (1) Remove light.
- (2) Remove pushbutton (14) by gently pulling.
- (3) Remove nut (8).
- (4) Remove switch (3) by pushing it out of its mounting hole, and then pull it through light hole in cover (10).
- (5) Disconnect electrical wires (1) and (2) from switch (3), and tag for reinstallation.
- (6) Remove switch (3).

B. Install Passenger Reading Light Switch (Refer to Figure 201).

- (1) Connect electrical leads (1) and (2) to switch (3), and push switch back through plenum (4) and insert switch (3) through its mounting holes in plenum (4), retainer fillet (5), cover (6), and cover (10).
- (2) Install nut (8) on switch (3) and tighten on shaft.
- (3) Install pushbutton on switch (3) by gently pushing.
- (4) Reinstall light.

4. Passenger Reading Light Removal/Installation (Model 208B)

A. Remove Passenger Reading Light (Refer to Figure 201).

- (1) Pull lens (12) from socket assembly (14).
- (2) Push in on bulb (13) and turn counterclockwise to remove.
- (3) Unscrew socket assembly (14) by turning counterclockwise.
- (4) Remove screws and washers securing electrical leads to socket assembly.

- B. Install Passenger Reading Light (Refer to Figure 201).
 - (1) Connected electrical leads to socket assembly (14).
 - (2) Rotate socket assembly (14) counterclockwise approximately eight turns then screw clockwise into bracket assembly (5). Electrical leads should not be twisted after installation.
 - (3) Insert bulb (13) into socket assembly (14), press in slightly and turn clockwise.
 - (4) Insert lens assembly (12) into socket assembly (14).

5. Passenger Reading Light Switch Removal/Installation (Model 208B).

- A. Remove Passenger Reading Light Switch (Refer to Figure 201).
 - (1) Remove reading light.
 - (2) Remove Wemac (11) by turning counterclockwise.
 - (3) Remove decorative nut (10) and dress ring (9) and remove cover (8).
 - (4) Open headliner as necessary for access to switch (3) electrical leads.
 - (5) Disconnect electrical leads from switch.
 - (6) Remove nut (7) and washer (6) and remove switch (3).
- B. Install Passenger Reading Light Switch (Refer to Figure 201).
 - (1) Position switch (3) through bracket(s) and install washer (6) and nut (7).
 - (2) Connect electrical leads to switch (3) and close headliner.
 - (3) Position cover (8) and install dress ring (9) and decorative nut (10).
 - (4) Install wemac (11) by turning clockwise.
 - (5) Install reading light.

6. No Smoking/Fasten Seat Belt Annunciator Warning Panel Removal/Installation

- A. Remove No Smoking/Fasten Seat Belt Annunciator Warning Panel (Refer to Figure 202).
 - (1) Remove screws (8) from escutcheon.
 - (2) Disconnect plug (6) and remove sign assembly (7).
- B. Install No Smoking/Fasten Seat Belt Annunciator Warning Panel (Refer to Figure 202).
 - (1) Connect plug (6).
 - (2) Slide sign assembly (7) into position in escutcheon.
 - (3) Install screws (8).

7. Cargo Entrance Door Light Removal/Installation

- A. Remove Cargo Entrance Door Light (Refer to Figure 203).
 - (1) Remove screws (10) and remove lens assembly (9).
 - (2) Press in slightly on bulb (15) and turn counterclockwise to remove bulb from socket (6).
 - (3) Remove screws (8) and remove escutcheon (7).
 - (4) Remove screws (2) and washers (3) and (4) from socket (6) and remove terminals (5).
- B. Install Cargo Entrance Door Light (Refer to Figure 203).
 - (1) Secure terminals (5) to socket (6) using screw (2) and washers (3) and (4).
 - (2) Secure escutcheon (7) to bracket (1) using screws (8).
 - (3) Insert bulb (15) into socket (6), press in slightly, and turn clockwise.
 - (4) Secure lens assembly (9) using screws (10).

8. Passenger Entrance Door and Center Aisle Light Removal/Installation

- A. Remove Passenger Entrance Door and Center Aisle Light (Refer to Figure 204).
 - (1) Remove lens assembly (6) by removing screws.
 - (2) Press in slightly on bulb (4) and turn counterclockwise to remove bulb from socket assembly (2).
 - (3) Remove screws (5) and remove socket assembly (2) from bracket (1).

- B. Install Passenger Entrance Door and Center Aisle Light (Refer to Figure 204).
 - (1) Install screws (5) securing socket assembly to bracket (1).
 - (2) Insert bulb (4) into socket assembly (2), press in slightly, and turn clockwise.
 - (3) Ensure gasket (3) is in place.
 - (4) Secure lens assembly (6) using screws.

9. Door Switch Removal/Installation

- A. Remove Door Switch (Refer to Figure 203).
 - (1) Remove screws securing door panel (11).
 - (2) Remove screws (12) securing switch (13) to bracket (14).
 - (3) Lift switch up and out of hole and disconnect electrical leads by removing screws.
- B. Install Door Switch (Refer to Figure 203).
 - (1) Connect electrical leads and position switch (13) in bracket (14).
 - (2) Install screws (12) securing switch to bracket (14).
 - (3) Install screws securing door panel (11).

10. Timer Removal/Installation

- A. Remove Timer (Refer to Figure 203).
 - (1) Disconnect electrical plug (18).
 - (2) Remove four screws (17) securing timer (16).
 - (3) Remove timer (16) from brackets (19).
- B. Install Timer (Refer to Figure 203).
 - (1) Position timer (16) to brackets (19).
 - (2) Install four screws (17) securing timer (16).
 - (3) Connect electrical plug (18).

11. Lower Instrument Panel Passenger Compartment Light Switch Removal/Installation

- A. Remove Lower Instrument Panel Passenger Compartment Light Switch (Refer to Figure 205).

NOTE: For airplanes 20800500 and On and Airplanes 208B2000 and On, there is a LED panel installed on the left switch panel.

- (1) Remove the nut (7) that attaches the switch (3) to the instrument panel, and
 - (2) Push switch through the instrument panel.
 - (3) Retain the washers (2) and (6) for the switch installation.
 - (4) Identify and disconnect electrical leads.
 - (5) Remove the switch from the airplane.
- B. Install Lower Instrument Panel Passenger Compartment Light Switch (Refer to Figure 205).
 - (1) Identify and connect the electrical leads to the switch.
 - (2) Install the washers (2) and (6) on the switch body and secure using nut (10).
 - (3) Install the switch (3) through instrument panel.
 - (4) Attach the switch to the instrument panel with the nut (7).