

LED PASSENGER/CARGO COMPARTMENT LIGHTING - DESCRIPTION AND OPERATION

1. General

- A. The Model 208B Passenger model LED compartment lights consist of fourteen passenger reading lights. The model is also equipped with four cabin dome lights.

2. Description and Operation

- A. Reading lights can be installed at each of aft passengers positions. Lights are located above window line in small convenience panels above each seat. A pushbutton type on-off switch mounted in each panel controls the lights. Lights can be pivoted in their mounting sockets to provide the most comfortable angle of LIGHT for each passenger. The reading light electrical power is supplied by the RDNG LIGHT circuit breaker found on the left circuit breaker panel.
- B. There are four cargo/passenger dome lights installed in interior cabin headliner. One is above aft cargo door at approximately FS 307.00, the rear door LED light another is directly opposite the cargo door light, one is forward on the left side at FS 197.81 and the forth is overhead and forward in the center aisle at FS 188.70. Power is supplied from battery bus through the CABIN switch found on the left switch panel. Independent ON/OFF switching is controlled by switch(es) located just forward of cargo door and passenger entry door. Electrical power is supplied by the CABIN LTS circuit breaker found in the electric power box. The electric power box is installed in the upper left portion of engine compartment on firewall. Airplanes with the courtesy light timer option use a solid-state timer which allows the lights to remain on for a period of thirty minutes after airplane has been deplaned and secured.
- C. For the removal and installation procedures for the timer and switches refer to the sections that follow:
 - (1) For the door switch refer to, Incandescent Passenger/Cargo Compartment Lighting - Maintenance Practices, Door Switch Removal/Installation
 - (2) For the timer refer to, Incandescent Passenger/Cargo Compartment Lighting - Maintenance Practices, Timer Removal/Installation
 - (3) For the passenger compartment light switch refer to, Incandescent Passenger/Cargo Compartment Lighting - Maintenance Practices, Lower Instrument Panel Passenger Compartment Light Switch Removal/Installation.