

INCANDESCENT PASSENGER/CARGO COMPARTMENT LIGHTING - INSPECTION/CHECK

1. General

- A. This section has the inspections and checks necessary to keep the passenger/cargo compartment lighting system in a serviceable condition.

TASK 33-20-00-710

2. Passenger/Cargo Compartment Lighting Operational Check

A. General

- (1) This task gives the necessary information to do the operational check of the passenger/cargo compartment lighting system.

B. Special Tools

- (1) None

C. Access

- (1) None

D. Do a Detailed Inspection of the Passenger/Cargo Compartment Lighting.

- (1) Examine all passenger/cargo compartment lighting for condition and correct operation.
(2) Examine the overhead reading light assemblies/cargo lighting assemblies, and electrical components for condition, accessible wiring for chafing, routing, and security.
(3) Examine all lighting rheostats for condition and security.

E. Do an Operational Check of the Passenger Cargo Compartment Lighting.

(1) Cabin Lights (without timer)

- (a) Apply external electrical power to the airplane.
(b) Make sure that the CABIN LTS circuit breaker on the J-Box panel in the engine bay is engaged.
(c) One at a time, operate the switches that follow:
- CABIN switch on the LIGHTS control panel in the cockpit
 - Passenger Door Switch (Forward of the Aft Passenger Door)
 - Cargo Door Switch (Forward of the Cargo Door).

- 1 Make sure that the lights that follow come on and go off when you operate each switch regardless of the other switch positions.

- Forward Dome Light (Model 208B only)
- Passenger Cabin Light
- Passenger Door Light
- Cargo Door Light (2 light bulbs)
- Left Wing Courtesy Light
- Right Wing Courtesy Light.

NOTE: One courtesy light is installed under the left wing, and one is installed under the right wing. The lights illuminate the area outside of the airplane adjacent to the crew entry doors. The lights operate in conjunction with the cabin lights and are controlled by the cabin light switch.

- (d) Set the CABIN switch on the LIGHTS control panel to the OFF position.

(2) Seat Belt Sign and No Smoking Sign

- (a) Make sure that the SEAT BELT SIGN circuit breaker is engaged.
(b) Set the SEAT BELT switch on the LIGHTS control panel to the ON position.
(c) Make sure that the Seat Belt sign comes on.
(d) Set the SEAT BELT switch on the LIGHTS control panel to the OFF position.
(e) Set the NO SMOKE switch on the LIGHTS control panel to the ON position.
(f) Make sure that the No Smoking sign comes on.
(g) Set the NO SMOKE switch on the LIGHTS control panel to the OFF position.

- (3) Cabin Lights with timer (all cargo airplanes, and passenger airplanes if a timer is installed).
- (a) Make sure that the CABIN LTS circuit breaker on the J-Box panel in the engine bay is engaged.
 - (b) Set the CABIN switch on the LIGHTS control panel to the ON position and make sure that the following lights operate correctly:
 - NOTE: One courtesy light is installed under the left wing, and one is installed under the right wing. The lights illuminate the area outside of the airplane adjacent to the crew entry doors. The lights operate in conjunction with the cabin lights and are controlled by the cabin light switch.**
 - 1 Forward Cabin Light (Model 208B only)
 - 2 Main Cabin Light
 - 3 Cargo Door Light (2 light bulbs)
 - 4 Cabin Light opposite cargo door
 - 5 Left Wing Courtesy Light
 - 6 Right Wing Courtesy Light
 - (c) Do the following checks:
 - 1 The momentary CABIN lights switch controls all lights regardless of the position of the cargo door light switch and the passenger door light switch, if installed.
 - 2 On passenger airplanes, the passenger door light switch controls all lights except the cargo door light, and the cargo door light switch controls the cargo door light only.
 - 3 On cargo airplanes, the cargo door light switch controls all lights.
 - 4 Keep any of the lights on, and make sure that the timer shuts off those lights after approximately 30 minutes.
 - (d) Reading Lights (passenger airplanes)
 - 1 Make sure that the RDNG LIGHT circuit breaker is engaged.
 - 2 Make sure that each of the eight (Model 208) or the 14 (Model 208B) reading lights can be switched on and off with their own switch.
 - (e) Disconnect the external electrical power from airplane.

F. Restore Access

- (1) None

END OF TASK