

LED FLIGHT COMPARTMENT LIGHTING - ADJUSTMENT/TEST

1. General

- A. This section gives the procedures to check the Flight Compartment LED panels adjustment and test. For more data on the flight compartment LED panels refer to, LED Flight Compartment Lighting - Description and Operation.
- B. This section gives the operational test procedures for the LED instrument LED panels, the left circuit breaker LED panels, the throttle quadrant LED panel and pedestal light, and the overhead console LED panels.

2. LED Lighting Operational Test

A. LED Panel Operational Test.

- (1) Apply external electrical power to the airplane.
- (2) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the BUS position.
- (3) Set the BATTERY switch (SC005), found on the circuit breaker switch panel, to the ON position.
- (4) Make sure that the AVN/LED/STBY LIGHTS circuit breaker found on the left circuit breaker panel, is engaged.
- (5) Turn the LED PANELS ANNUN dimmer control (RI010) clockwise and make sure that the LED panels and other lights that follow come on:
 - FUEL TANK SELECTOR LED Panel (UC013/UC014)
 - STBY FLAP MOTOR LED Panel (UC012)
 - Avionics Circuit Breaker Panel LED Panel (UI003)
 - Environmental Panel LED Panel (UI004)
 - Alternate Static Panel LED Panel (UI002)
 - Left Switch Panel LED Panel (UI001)
 - Left Circuit Breaker Panel LED Panels (UC015)
 - Circuit Breaker Switch Panel LED Panel (UC016)
 - Throttle Quadrant LED Panel (UC019)
 - Pedestal LED Light (FC018).
- (6) Turn the LED PANELS ANNUN dimmer control clockwise to the full ON position.
 - (a) Make sure that each of the LED light panels and the pedestal LED light comes on bright.
- (7) Turn the LED PANELS ANNUN dimmer control counterclockwise toward the OFF position.
 - (a) Make sure that the light level decreases on each of the LED light panels and the pedestal LED light.
- (8) Turn the LED PANELS ANNUN dimmer control counterclockwise to the full off position.
 - (a) Make sure that each of the LED light panels and the pedestal LED lights go fully off.
- (9) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the OFF position.
- (10) Set the BATTERY switch (SC005), found on the circuit breaker switch panel, to the OFF position.
- (11) Remove external electrical power from the airplane.

B. LED Chart Light Operational Test

- (1) Apply external electrical power to the airplane.
- (2) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the BUS position.
- (3) Set the BATTERY switch (SC005), found on the circuit breaker switch panel, to the ON position.
- (4) Make sure that the COCKPIT FLOOD LIGHTS circuit breaker found on the left circuit breaker panel, is engaged.
- (5) Turn the LEFT FLOOD dimmer control clockwise to the ON position.
 - (a) Make sure that the left chart light (flood) comes on.
- (6) Turn the LEFT FLOOD dimmer control clockwise to the full ON position.
 - (a) Make sure that the left chart light comes on bright.
- (7) Turn the LEFT FLOOD dimmer control counterclockwise.
 - (a) Make sure that the light level decreases on the left chart (flood) light.
- (8) Turn the LEFT FLOOD dimmer control fully counterclockwise.
 - (a) Make sure that the left chart light goes fully off.

- (9) Operate the CENTER FLOOD dimmer control and do the steps again used for the left chart light.
- (10) Operate the RIGHT FLOOD dimmer control and do the steps again used for the left chart light.
- (11) Set the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel, to the OFF position.
- (12) Set the BATTERY switch (SC005), found on the circuit breaker switch panel, to the OFF position.
- (13) Remove external electrical power from the airplane.