

OVERHEAD CONSOLE LED PANELS/CHART LIGHT LED LAMP - REMOVAL/INSTALLATION**1. General**

- A. This section provides removal and installation instructions for the Overhead Console LED Panels and the chartlight LED lamps. The overhead console LED panels include a LED panel for the FUEL TANK SELECTOR knobs and (if oxygen system installed) OXYGEN slide control. A LED panel for the STBY FLAP MOTOR panel comes on to show the switch position. For more data applicable to the overhead console LED panels and lights refer to, LED Flight Compartment Lighting - Description and Operation.
- B. There are three overhead console chartlights, the left overhead chartlight (FC016), the right overhead chartlight (FF003), and the center overhead chartlight (FC017).

2. Fuel Tank Selectors LED Panel Removal/Installation

- A. Remove the FUEL TANK SELECTORS LED panel (UC013/UC014) (Refer to Figure 401).

NOTE: The refdes for LED panel without oxygen is (UC013) and with oxygen is (UC014).

CAUTION: Be careful when you hold the LED panel. If you are not careful, damage to the panel can occur.

- (1) Remove external electrical power from the airplane.
- (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
- (3) Make sure that the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel is set to the OFF position.
- (4) Disengage the COCKPIT FLOOD LIGHTS circuit breaker found on the left circuit breaker panel.
- (5) Remove the LED panel.
 - (a) Remove the hardware that attach the fuel selector knobs to their respective control assembly.
 - (b) Remove the hardware that attach the oxygen control knob to the level assembly.
 - (c) Remove the screws that attach the LED panel to the overhead console.
 - (d) Carefully move the LED panel sufficiently to get access to the electrical connector.
 - 1 Disconnect the LED electrical connector (PC083).
 - (e) Remove the LED panel from the airplane.

- B. Install the FUEL TANK SELECTORS LED Panel (UC013/UC014) (Refer to Figure 401).

CAUTION: Be careful when you hold the LED panel. If you are not careful, damage to the panel can occur.

- (1) Carefully move the LED panel near its correct position on the overhead console.
 - (a) Connect the LED panel electrical connector (PC083).
 - (b) Put the LED panel in its correct position on the switch panel assembly.
 - 1 Install the screws that attaches the LED panel to the left switch panel.
 - (c) Put the fuel selector knobs on their respective control posts one at a time.
 - 1 Install the hardware that attach the knob to its post.
 - (d) Put the oxygen knobs on its control lever.
 - 1 Install the hardware that attach the knob to the control assembly.
- (2) Engage the COCKPIT FLOOD LIGHTS circuit breaker.
- (3) Do a check of the FUEL TANK SELECTORS LED Panel. Refer to LED Flight Compartment Lighting - Adjustment/Test, LED Panel Operational Check.

3. Standby Flap Motor LED Panel Removal/Installation

- A. Remove the STBY FLAP MOTOR LED Panel (UC012) (Refer to Figure 401).

CAUTION: Be careful when you hold the LED panel. If you are not careful, damage to the panel can occur.

- (1) Remove external electrical power from the airplane.
- (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
- (3) Make sure that the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel is set to the OFF position.
- (4) Disengage the COCKPIT FLOOD LIGHTS circuit breaker found on the left circuit breaker panel.

- (5) Remove the LED panel.
 - (a) Remove the screws that attach the LED panel to the overhead console.
 - (b) Carefully move the LED panel sufficiently to get access to the electrical connector.
 - 1 Disconnect the LED panel electrical connector (PC084).
 - (c) Remove the LED panel from the airplane.

B. Install the STBY FLAP MOTOR LED Panel (UC012) (Refer to Figure 401).

CAUTION: Be careful when you hold the LED panel. If you are not careful, damage to the panel can occur.

- (1) Carefully move the LED panel near its correct position on the overhead console.
 - (a) Connect the LED panel electrical connector (PC084).
 - (b) Put the LED panel in its correct position on the switch panel assembly.
 - 1 Install the screws that attaches the LED panel to the left switch panel.
- (2) Engage the COCKPIT FLOOD LIGHTS circuit breaker.
- (3) Do a check of the FUEL TANK SELECTORS LED Panel. Refer to LED Flight Compartment Lighting - Adjustment/Test, LED Panel Operational Test.

4. Chart Light LED Lamp Removal/Installation

NOTE: There are three chart lights installed in the overhead console, the left light (FC016), the center light (FC017) and the right light (FF003). The removal and installation of each of the three chart light LED lamp is typical.

A. Remove the Chart Light LED Lamp (Refer to Figure 401).

- (1) Remove external electrical power from the airplane.
- (2) Make sure that the BATTERY switch (SC005), found on the circuit breaker switch panel, is set to the OFF position.
- (3) Make sure that the EXTERNAL POWER switch (SC006), found on the circuit breaker switch panel is set to the OFF position.
- (4) Disengage the COCKPIT FLOOD LIGHTS circuit breaker found on the left circuit breaker panel.
- (5) Unscrew the knurled retainer nut from the socket assembly.
- (6) Remove the screws that attach the socket assembly to the overhead console.
- (7) Carefully pull on the lens holder to remove it from the LED light assembly.
- (8) Carefully pull on the LED light to remove it from the socket.

B. Install the Chart Light (Refer to Figure 401).

- (1) Carefully insert the LED light bulb in the socket assembly.
- (2) Carefully push on the lens holder to install it on the LED light assembly.
- (3) Insert the socket assembly in the overhead console.
- (4) Screw the knurled retainer nut on the light assembly.
- (5) Engage the COCKPIT FLOOD LIGHTS circuit breaker.
- (6) Do a check of the Chart Light. Refer to LED Flight Compartment Lighting - Adjustment/Test, LED Chartlight Operational Test.