

LED LANDING/TAXI/RECOGNITION LIGHT - REMOVAL/INSTALLATION**1. General**

- A. This section gives the procedure to remove and replace the LED Landing/Taxi/Recognition Lights. The Landing/Taxi/Recognition Lights are each part of the Landing/Taxi/Recognition Light assembly and each are removed as a separate assembly. The taxi and the landing lights each are supplied electrical power from separate circuit breakers.

2. LED Landing/Taxi/Recognition Light Removal/Installation

- A. Remove the Landing/Taxi/Recognition LED light as applicable (Left Landing Light FL005, Left Taxi Light FL006 and Right Landing Light FR005, Right Taxi Light FR006) (Refer to Figure 401).

NOTE: Removal of the left and right Landing/Taxi/Recognition LED light are identical.

- (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 LDG LIGHT (LEFT or RIGHT as applicable), TAXI LIGHT circuit breakers, found on the left circuit breaker panel.
- (5) Remove the LENS assembly as follows:
 - (a) Carefully remove the sealant from the pitot tube assembly and the lens assembly.
 - (b) Remove the screws that attach the lens assembly to the light assembly.
 - 1 Remove the lens assembly from the light assembly.
 - (c) Loosen the screws on applicable LED light brackets sufficiently to remove the LED light from the brackets.
 - (d) Carefully move the light forward from the light assembly to sufficiently to get access to the LED light electrical terminals.
 - (e) Identify the electrical wiring leads.

NOTE: The two wiring leads must be connected to the LED light terminals in the correct electrical polarity for the LED light to operate for the LED to operate.
 - (f) Disconnect the airplane electrical wiring from the LED light assembly electrical terminals.
 - (g) Remove the LED light from the light assembly.

- B. Install the Landing/Taxi/Recognition LED Light (Left Landing Light FL005, Left Taxi Light FL006 and Right Landing Light FR006, Right Taxi Light FR006) (Refer to Figure 401).

NOTE: Installation of the left and right Landing/Taxi/Recognition LED light assemblies are typical.

- (1) Install the light assembly as follows:
 - (a) Put the light near its correct position on the wing.
 - (b) Identify and connect the electrical wiring to the LED light assembly electrical terminals.

NOTE: The two wiring leads must be connected to the LED light terminals in the correct electrical polarity for the LED light to operate.
 - (c) Carefully put the light in its correct position in the LED light brackets.
 - (d) Install the light assembly plates so the keyway is outboard on the LH side and inboard on the RH side.
 - (e) Tighten the screws that attach the LED light brackets to the light assembly plate.
- (2) Install the lens assembly as follows:
 - (a) Put the lens assembly in its correct position on the light assembly.
 - (b) Install the screws that attach the lens assembly to the light assembly.
- (3) Engage the LDG LIGHT (LEFT or RIGHT as applicable) and TAXI LIGHT circuit breakers, found on the left circuit breaker panel.
- (4) Do a test of the landing/taxi/recognition light as follows:
 - (a) For the LED Landing/Taxi/Recognition Light Adjustment, refer to LED Exterior Lighting - Adjustment/Test, LED Landing/Taxi/Recognition Light Adjustment.

- (b) To test the LED Taxi light, refer to LED Exterior Lighting - Adjustment/Test, LED Taxi Light Assembly Test.
- (c) To test the LED Landing light, refer to LED Exterior Lighting - Adjustment/Test, LED Landing Light Test.
- (5) When the test of the applicable LED is complete, apply Type II Class II sealant to the pitot tube mast. Refer to Chapter 20, Fuel, Weather and High-Temperature Sealing - Maintenance Practices.

Figure 401 : Sheet 1 : Landing/Taxi/Recognition Light Installation

