

LED COURTESY LIGHT - REMOVAL/INSTALLATION

1. General

A. This section gives the procedure to remove and replace the left and right LED Courtesy Lights.

2. LED Courtesy Light Removal/Installation

A. Remove the Courtesy Light (left ZL001, right ZR001) (Refer to Figure 401).

NOTE: Removal of the left and right courtesy lights are typical.

- (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) Disengage the CABIN LIGHT circuit breaker, in the electrical power box found in the engine compartment.
- (4) Remove the cover assembly.
 - (a) Remove the screws that attach the cover assembly to wing.
 - (b) Carefully remove the cover assembly from the wing sufficiently to get access to electrical connectors P1 and P2 (left and right).
 - 1 Disconnect the applicable electrical connectors.
 - (c) Remove the cover assembly from the airplane.
- (5) Remove the light from the cover assembly.
 - (a) Carefully remove the sealer from the edge of the light.
 - (b) Remove the screws that attach the light to the cover assembly.
 - (c) Remove the light from the cover assembly.
- (6) Carefully remove the sealant from the cover assembly.
- (7) Examine the cover assembly to make sure that there are no cracks or damage.

B. Install the Courtesy Light (left ZL001, right ZR001) (Refer to Figure 401).

NOTE: Installation of the left and right courtesy lights are typical.

- (1) Make sure that the mounting surface of the cover assembly is clean and free from old sealant.
- (2) Put the light in its correct position on the cover assembly.
 - (a) Install the screws that attach the light to the cover assembly.
- (3) Install the cover assembly.
 - (a) Visually inspect the electrical connectors to make sure that there are no bent or damaged pins.
 - 1 Repair the found damage.
 - (b) Put the cover assembly near its correct position on the wing.
 - (c) Connect electrical connectors P1 and P2 (left and right) to airplane wiring as applicable.
 - (d) Put the cover assembly in its correct position on the wing.
 - 1 Install the screws that attach the cover assembly to the wing.
- (4) Use Type I Class B sealant to fay seal the light to the cover assembly.
- (5) Engage the CABIN LIGHT circuit breaker, in the electrical power box found in the engine compartment.
- (6) Do an operation test of the courtesy light. Refer to LED Exterior Lighting - Adjustment/Test, Courtesy Light Operational Test.

Figure 401 : Sheet 1 : Wing Inspection Light Installation

