

LED WING INSPECTION LIGHT - REMOVAL/INSTALLATION

1. General

A. This section gives the procedure to remove and replace the LED Wing Inspection Light.

2. LED Wing Inspection Light Removal/Installation

A. Remove the Wing Inspection Light (FC009) (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 WING ICE DET LIGHT circuit breaker, found on the left circuit breaker panel, is disengaged.
- (4) Remove the light assembly.
 - (a) Carefully remove the sealer from the edge of the light assembly.
 - (b) Remove the screws that attach the light to the fairing assembly.
 - (c) Carefully remove the light from the fairing assembly sufficiently to get access to electrical connectors P1 and J1.
 - 1 Disconnect electrical connector J1/P1 from electrical connector PC025/JC026.
- (5) Remove the light from the airplane.
- (6) Carefully remove the sealant from the fuselage skin.
- (7) Examine the fuselage skin to make sure that there are no cracks or damage.

B. Install the Wing Inspection Light (FC009) (Refer to Figure 401).

- (1) Make sure that the mounting surface of the fairing skin is clean and free from old sealant.
- (2) Put the light in near its correct position on the fairing assembly.
- (3) Visually inspect the electrical connectors to make sure that there are no bent or damaged pins.
 - (a) Repair the found damage.
- (4) Connect electrical connector J1/P1 from electrical connector PC025/JC026.
- (5) Carefully install the light in its correct position in the fairing assembly.
 - (a) Install the screws that attach the light to the fairing assembly.
- (6) Use Type I Class C sealant to seal the light to the fairing assembly.
- (7) Check the electrical bonding between the light housing and doubler. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
- (8) Do an operation test of the wing inspection light. Refer to LED Exterior Lighting - Maintenance Practices, Wing Inspection Light Operational Test.