

LED GROUND RECOGNITION LIGHT - REMOVAL/INSTALLATION**1. General**

A. This section gives the removal/installation procedures for the Ground Recognition Light.

2. LED Ground Recognition Light Removal/Installation

A. Remove the LED Ground Recognition Light (FV001) (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 BEACON LIGHT circuit breaker, found on the left circuit breaker panel, is disengaged.
- (4) Remove the lens.
 - (a) Remove the screws and lock-washers that attach the lens retainer to the light assembly.
 - (b) Remove the retainer
 - (c) Remove the lens and gasket.
- (5) Remove the LED light assembly.
 - (a) Remove the screws and lock-washers that attach the light assembly to the adapter plate.
 - (b) Carefully remove the light from the vertical fin sufficiently to get access to the electrical connector.
 - 1 Disconnect light electrical connector JV008 from the Ground Recognition Light electrical connector.
- (6) Remove the LED light from the airplane.

B. Install the Ground Recognition Light (FV001) (Refer to Figure 401).

- (1) Install the light assembly.
 - (a) Make sure that tape is installed at the top of the vertical fin assembly so the top is closed.
 - (b) Put the light in near its correct position on the fairing assembly.
 - (c) Visually inspect the electrical connectors to make sure that there are no bent or damaged pins.
 - 1 Repair the found damage.
 - (d) Connect electrical connector JV008 to the Ground Recognition Light electrical connector.
 - (e) Carefully put the light assembly in its correct position on the vertical fin.
 - (f) Install the screws and lock washers that attach the light assembly to the adapter plate.
- (2) Install the lens.
 - (a) Put the lens and gasket in their correct position on the light assembly.
 - 1 Install the light so the lens defuser aligns forward.
 - (b) Install the retainer in its correct position on the light assembly.
 - (c) Install the screws and lock-washers that attach the retainer to the light assembly.
- (3) Check the electrical bonding. Refer to Chapter 20, Electrical Bonding - Maintenance Practices.
- (4) Do an operation test of the ground recognition light. Refer to LED Exterior Lighting - Maintenance Practices, Ground Recognition Light Operational Test.

Figure 401 : Sheet 1 : Ground Recognition Light Installation

