

**INCANDESCENT LANDING AND TAXI RECOGNITION LIGHTS - MAINTENANCE PRACTICES****1. General**

- A. This section gives the procedures for the removal/installation and adjustment/test of the incandescent landing and taxi recognition lights.

**2. Landing and Taxi Recognition Lights Removal/Installation**

- A. Remove Landing and Taxi Recognition Lights (Refer to Figure 201 ).
  - (1) Carefully remove the sealer from the pitot probe mast and the lens retainer.
  - (2) Remove screws (3) securing lens retainer (1) and remove lens (2).
  - (3) Loosen the lamp bracket screws (5) sufficiently enough to pull the lamp forward and out of the bracket.
  - (4) Disconnect the electrical leads from the lamp terminals.
  - (5) Remove the lamp from the light assembly.

- B. Install Landing and Taxi Recognition Lights (Refer to Figure 201).

- (1) Put the lamp close to the light assembly.
- (2) Connect the electrical leads to the lamp (7) terminals.
- (3) Put the lamp (7) between the bracket (5) and the plate (8).
  - (a) Tighten the lamp bracket screws.
- (4) Install the lens (2) and lens retainer (1) with the screws (3).

- (a) Seal the pitot probe mast with Type I, Class B sealant. Refer to Chapter 20, Fuel, Weather and High-Temperature Sealing - Maintenance Practices.

**NOTE:** If you are going to do the Landing and Taxi Recognition Lights Adjustment/Test do not install the lens (2) and lens retainer (1) until the adjustment/test is complete.

**3. Landing and Taxi Recognition Lights Adjustment/Test**

- A. Adjust the Landing and Taxi Recognition Lights (Refer to Figure 201).
  - (1) Park airplane 50 feet from a wall or any suitable light reflecting surface.
  - (2) If necessary, carefully remove the sealer from the pitot probe mast and the lens retainer.
  - (3) If necessary, remove screws (3) securing lens retainer (1) and lens (2).
  - (4) Level the airplane. Refer to Chapter 8, Leveling - Maintenance Practices. Ensure pilot seat rail is on a horizontal plane.
  - (5) Measure distance from ground surface up to center of lamps.
  - (6) Apply external power and place master switch in the ON position.
  - (7) Turn landing/taxi light switch ON.
  - (8) Align lamps focal point straight forward and at a height 63 inches below center of lamps as measured in step 4, using alignment screws (4).
  - (9) Turn landing/taxi light switch OFF.
  - (10) Disconnect external power. Turn master switch OFF.
  - (11) Reinstall lens.
  - (12) Seal the pitot probe mast with Type II Class II sealant. Refer to Chapter 20, Fuel, Weather and High-Temperature Sealing - Maintenance Practices
  - (13) If necessary polish the landing light lens.
    - (a) For airplanes with the TKS Anti-Ice system (fairing installation) installed apply masking tape to the Boundary Layer Energizers (BLE) with tape before you polish the lens. Refer to Figure 201.