Testing a photocell for heaters with a spark plug.

Remove photocell from heater and connect ohmmeter on the 1000 Ohm (RX1K) scale.

Hold the lens up to a light source (80 watt light bulb, direct sunlight, etc.) with the lens of the photocell pointed toward the light source. The resistance of the meter should be low (less than 500 Ohms).

Blocking off the light source by putting thumb over opening of the photocell, the resistance on the meter should be high.

Replace if a change in resistance is NOT observed during the test.

Testing a photocell for HSI type heaters.

Connect the leads of an ohmmeter to the terminals on the photocell assembly. Use the 0 to 20,000 OHM scale on the meter. The resistance should measure 11,000 OHMS or less. If not the photocell is defective and should be replaced.

Block off the light source by putting thumb over opening of the photocell. Replace the photocell if a change in resistance is not observed.

The resistance should measure greater than 50,000 OHMS (use the 1 megohmscale on the meter).