

# Lamp Replacement

*These instructions are for lights utilizing an internal retaining ring with spanner wrench. For older styles please contact Motolight direct 1-800-567-8346. **Note:** We now offer grooved and knurled rings that do not require the use of a spanner wrench to remove and install.*

**Step 1.** Obtain new lamp. TAKE CARE TO NEVER TOUCH THE BULB IN THE NEW LAMP. If you do touch it you must clean it with rubbing alcohol and a clean cotton cloth. Our original equipment lamp is a 35 watt 8 degree MR16 halogen lamp made by Sylvania. Any MR16 lamp up to 75 watts will work with the Motolight housing and harness but as a general rule the higher the wattage lamp the wider the beam spread which results in increased glare to oncoming traffic.

**Step 2.** Using the retaining ring wrench place the wrench's pins in the holes in the front of the lens retaining ring. Use finger pressure to ensure the wrench stays engaged with the ring and turn the wrench counter-clockwise. Unscrew the ring until it is completely out of the housing.

**Step 3.** Note how the milky white silicone ring is mounted on the outer ring of the lamp reflector. Remove the burned out lamp and take the white silicone ring off the lamp.

**Step 4.** Identify the top surface of the silicone ring. A half diameter oring is molded into the top of the silicone ring. Put the silicone ring around the outside of the new lamps' reflector. If installed correctly the ring will fit nicely around the reflector. If it is installed upside down it will not fit well. Once the ring is installed correctly press it against the outside edge of the reflector all the way around to ensure proper seating.

**Step 5.** Insert the lamp pins into the socket holder and push the lamp into place.

**Step 6.** Verify that a red o-ring is seated on the inside of the lens retaining ring. This lens is important to maintaining weather proofing. It needs to be pushed flat in its channel around the circumference of the ring.

**Step 7.** Place the lens on the lamp and align it with the lamp. The lens should be sitting on the silicone gasket fitted around the lamps' reflector.

**Step 8.** Screw the lens retaining ring clockwise while putting pressure on the lens itself with your thumb to compress the lens against the silicone ring. You can start the ring by hand but will then have to finish tightening it with your retaining ring wrench. As the ring tightens remember to use finger pressure to ensure that the wrench remains engaged with the ring Tighten until snug.