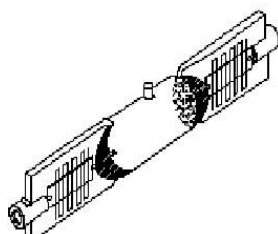
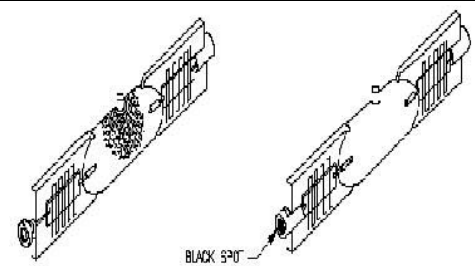
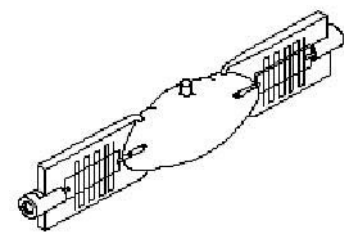


BULB MAINTENANCE AND TROUBLESHOOTING

System maintenance is critical to long bulb life. Shown below are some bulb failure modes and their solutions.

<p>Over cooled</p> <p>Cause: Over cooling is generally caused by too much airflow past a bulb, which results in rapid degradation of the bulb, due to deposition of plaque on the quartz.</p> <p>Solution: Order the DYMAX Temperature Control Kit.</p>	
<p>Arcing indicated by a gold, brown or black spot on the ceramic ends of the bulb</p> <p>Cause: Improper seating of bulb in a lamp base causes electricity arcs from the lamp base to the bulb through a gap, which results in burning and heat.</p> <p>Solution: Lamp bases must be replaced through repair department. Shake, rattle and roll bulb to ensure proper seating of electrodes of bulb to lamp base for future bulb changes.</p>	
<p>Over heated bulb indicated by swelling of the glass envelope</p> <p>Cause: Lack of air flow or improper closures can peel paint, char the ignitor and lower intensity.</p> <p>Solution: Increase system ventilation, but avoid overcooling.</p>	

For further assistance with adhesive and equipment selection, contact your DYMAX Applications Engineer.

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