

**TESTING**

**Tools Required:**

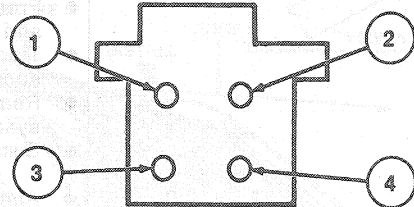
- Rotunda Digital Volt-Ohmmeter 014-00407

**Switch Test**

1. Use a self-powered test lamp or an ohmmeter such as Rotunda Digital Volt-Ohmmeter 014-00407 or equivalent, to test moon roof switch.
2. With switch in NEUTRAL position, there should be continuity between Terminals 1, 2 and 4.
3. With rocker switch pushed rearward, there should be continuity between Terminals 2 and 3.
4. With rocker switch pushed forward, continuity should break between Terminals 1 and 4.

NOTE: Check all terminals at switch connector.

5. If switch does not test as outlined, replace switch.



R7987-A

**DIAGNOSIS**

Refer to the following charts for diagnosis of the moon roof.

CONDITION	POSSIBLE SOURCE	ACTION
<ul style="list-style-type: none"> <li>● Water Leaks</li> </ul>	<ul style="list-style-type: none"> <li>● Glass panel not properly aligned or fitted to roof.</li> <li>● Glass panel not fully closing.</li> <li>● Drain tubes not properly connected and/or blocked.</li> <li>● Cracks in housing.</li> <li>● Glass assembly seal not properly in place and/or attached securely.</li> </ul>	<ul style="list-style-type: none"> <li>● Align to specifications.</li> <li>● Adjust to specifications.</li> <li>● Connect properly and/or service or replace drain tubes as required.</li> <li>● Service as required.</li> <li>● Install seal properly and/or attach correctly.</li> </ul>
<ul style="list-style-type: none"> <li>● Wind Noise</li> </ul>	<ul style="list-style-type: none"> <li>● Glass panel not properly fitted or aligned.</li> <li>● Glass panel not fully closing.</li> <li>● Glass assembly seal not properly in place and/or not attached securely.</li> </ul>	<ul style="list-style-type: none"> <li>● Align to specifications.</li> <li>● Adjust to specifications.</li> <li>● Install seal properly and/or attach correctly.</li> </ul>
<ul style="list-style-type: none"> <li>● Moon Roof Does Not Function and/or Perform Properly</li> </ul>	<ul style="list-style-type: none"> <li>● Glass panel not properly aligned or fitted to roof.</li> <li>● Glass assembly seal not properly in place and/or not attached securely.</li> <li>● Obstructions or foreign objects in tracks or troughs.</li> <li>● Rear guide pin not properly engaged in cam slot of lifter assembly.</li> <li>● Rear lifter assemblies not properly connected to glass module.</li> <li>● Front guides not properly installed and/or secured.</li> <li>● Adequate voltage not being supplied to the motor (12.6 V).</li> <li>● Tracks not securely attached to housing.</li> <li>● Rear guide cables not properly synchronized.</li> <li>● Rear drive cable or guide broken.</li> <li>● Sunshade not properly installed.</li> <li>● Amperage range for glass running not adequate (3.5A).</li> </ul>	<ul style="list-style-type: none"> <li>● Align to specifications.</li> <li>● Install seal properly and/or attach correctly.</li> <li>● Remove obstructions or foreign objects as required.</li> <li>● Engage rear guide pin properly.</li> <li>● Properly connect lifter assemblies to glass module.</li> <li>● Install and/or secure front guides as required.</li> <li>● Check voltage and correct if voltage not adequate.</li> <li>● Attach track securely to housing.</li> <li>● Synchronize cables and motor.</li> <li>● Replace or service as required.</li> <li>● Check and install sunshade properly as required.</li> <li>● Check for proper amperage and correct if required.</li> </ul>