

If the electrical sliding roof is developing trouble and the causes cannot be immediately discovered, check electrical section first, then the slip clutch of the gear unit and finally the sliding roof cover and its power transmission elements for function.

### **Electrical Section**

For checking the electrical section of the sliding roof system, actuate sliding roof switch in both directions. Touching the rubber clutch between the drive motor and the gear unit manually will show whether the drive motor is turning counterclockwise or clockwise. If a rotation or twist is felt, the electrical system is in order and the fault is in the mechanical section. Check with the vehicle engine running to make sure that the full operating voltage is available.

**Note:** The drive motor is provided with a thermo switch as an overload protection, which will interrupt the power supply under excessive loads. It is therefore recommended to permit the drive motor to cool down after actuating the sliding roof several times.

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Cause	Remedy
<b>Rubber coupling not moving during checkup</b>	
Fuse blown	The drive of the electric sliding roof is fused with 25 Amps. Replace fuse.
Sliding roof switch defective	Carefully loosen sliding roof switch with a flat wedge. Disconnect electrical plug connection. Install new sliding roof switch.
Cable assembly for sliding roof drive damaged	Check cable assembly and install new cables, if required.
Drive motor defective	Remove holder with motor and gear unit (77–180) and install new drive motor.

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## Slip Clutch of Gear Unit

Trouble on slip clutch of gear unit will be evident if the slip clutch between the motor and the gear unit is turning too fast and the sliding roof is not opening or closing. In such a case, the slip clutch of the gear unit must be newly adjusted.

For this purpose, loosen lock of counter nut on gear unit (guide nut for emergency crank actuation). Hold shaft in place with a screw driver and keep tightening counter nut.

Slip clutch should slip slowly when the sliding roof is either closed or completely opened; no blocking should occur. Check by feeling rubber clutch between drive motor and gear unit. If slip clutch is correctly adjusted, the drive motor should not take up more than 17 Amps.

Lock counter nut again.

## Sliding Roof Cover and Power Transmission Members

When the sliding roof is not opening and closing, even though the electrical section and the slip clutch are in order, check sliding roof cover and power transmission members.

Cause	Remedy
<b>Sliding roof not opening and closing</b>	
Sliding roof cover hard to move or stuck	<ol style="list-style-type: none"><li>1. Remove sliding roof cover (77—100).</li><li>2. Clean slide rails, gibs and sliding shoes and grease with Anticorit PRC II.</li><li>3. Adjust sliding roof free of play, that is, the sliding shoes should abut laterally and the sliding roof should be accurately in center of cutout. Since the sliding roof frame has tolerances with regard to total width, the lateral clearance must be checked at several points.</li><li>4. Adjust height of sliding roof cover (77—110).</li></ol>
Drive cable control hard to move	Remove drive cable control (77—140) check for damage and replace, if required.
Drive cable control stuck in drive cable tube	Replace drive cable tube (77—150).
Gear unit of sliding roof drive defective	Remove gear unit (77—180).