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**SB, 372 XPG,362 XPG, 2000-01**

**Fault diagnosis electrically heated handles/carburettor**

The G-versions equipped with heated handles and thermostat regulated carburettor heating consists of following parts:

- Rear handle elements
- Front handle element
- Generator
- Switch
- Carburettor element
- Thermostat

**Diagnosis**

The diagnosis is done with all parts fitted on the unit.

For a correct diagnosis you need following:

- Ammeter
- Ohmeter
- Cooling spray

The most common fault are oxidization between heat elements and cable connections.

Proceed as follows:

**Rear handle element**

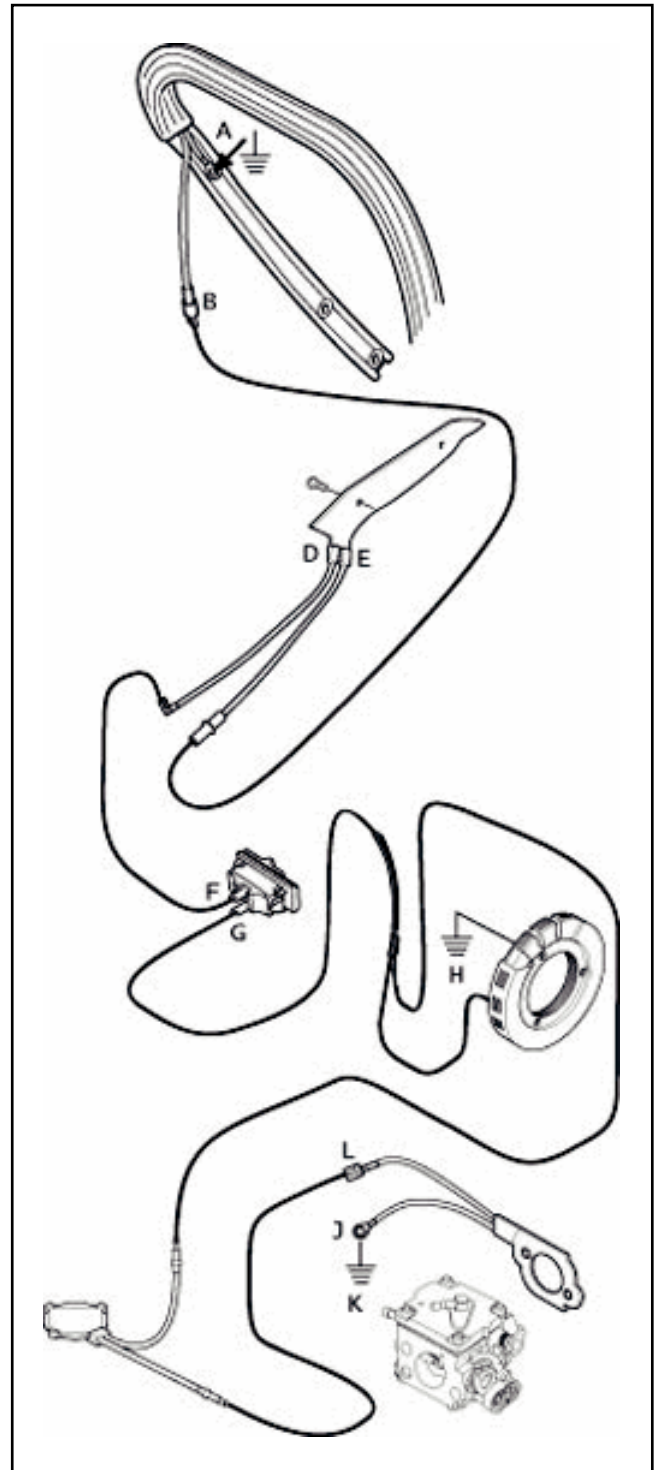
Disconnect wire connection at B See fig.  
Remove switch with e.g screw driver.  
Set switch in "0" of position.  
Clean contac surface at D, E, F and G. See fig.  
Measure with ohmeter between B and F, between D and E. See fig.  
Correct value is: 0,5 - 1,5 ohm.  
If value is different change rear handle element.

**Front handle element**

Measure with ohmeter between A and B. See fig.  
Correct value is: 3 - 4 ohm.  
If value is different change front handle.

**Generator**

Measure with ohmeter between G and H. See fig.  
Correct value is: 0,3 - 1,3 ohm.  
If value is different change generator.





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### Switch

Disconnect both wires and measure between F and G. See fig. Correct value with switch in "0" of position is 1 000 ohm or more. With switch in "1" on position is maximum 0,1 ohm. If value is different change switch.

### Carburettor element

Measure with ohmmeter between L and J. See fig. Correct value is: 3 - 10 ohm. If value is different change carburettor element.

### Thermostat

Disconnect wire at J. Measure with ammeter between J and K. Start the engine and run at app. 10 000 rpm.

Correct value is 0 A at an air temperature of 15 ° C (60°F) or more.

Cool down thermostat with e.g cooling spray. Correct value is app. 2 A at an air temperature below 15 ° C (60°F) with engine running at 10 000 rpm. If value is different change thermostat.

Refit disconnected wires and parts e.g. covers.

