

**Notes:**

- ◆ If a fault is recognised on sender -G263, the -E87 switches to emergency running and regulating valve -N280 will only be re-actuated with the current maximum control current of approx. 0.3A to 0.5A (which results in the air conditioner's refrigeration capacity becoming less and at relatively high temperatures cooling is no longer adequate) => Page 69 Reading measured value block in vehicles from model year 2002 (display group "001" and "002").
- ◆ Vent temperature sender -G263 is only present in vehicles with compressor with regulating valve -N280. Only on this compressor can the evaporator air vent temperature be changed by the -E87 by actuation of the -N280.

Output on the V.A.G 1551 printer	Possible causes of fault	Fault remedy
00819 High-pressure sender -G65	Displayed in vehicles from model year 2002 only	
Short to earth/SP (Signal ratio 5% or less) Open circuit/short to positive /SP (Signal ratio 95% or more)	- Short circuit or open circuit between -G65 and -E87 - High-pressure sender -G65 defective	- Use current flow diagram to locate and rectify short circuit or open circuit Check high-pressure sender -G65 =>Electrical test, Page 115
Signal too small /SP (Signal ratio under 12% and over 5%)	- Open circuit in the voltage supply or in the earth connection to the -G65 - High-pressure sender -G65 defective - Too little refrigerant in refrigerant circuit	- Use the current flow diagram to locate and rectify the open circuit: Check high-pressure sender -G65 =>Electrical test, Page 115 Check pressure in refrigerant circuit (can only be done in a specialist air conditioner workshop). => Air Conditioner with Refrigerant R134a
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Output on the V.A.G 1551 printer	Possible causes of fault	Fault remedy
00819	(Fault 00819 continued)	
Signal too great/SP (Signal ratio over 92% and under 95%)	- High-pressure sender -G65 defective - Fault in radiator fan actuation - Too much refrigerant in refrigerant circuit	- Check high-pressure sender -G65 =>Electrical test, Page 35 Check pressure in refrigerant circuit (can only be done in a specialist air conditioner workshop). => Air Conditioner with Refrigerant R134a

**Notes:**

- ◆ The signal ratio transmitted by high-pressure sender -G65 is displayed in the measured value block (display group 001) => Page 69 Reading measured value block in vehicles from model year 2002
- ◆ Operating and display unit -E87 switches to "Econ" mode automatically if the pressure measured by high-pressure sender -G65 is too high or too low (the compressor must not be switched on) => Page 69 Reading measured value block in vehicles from model year 2002.
- ◆ This fault is only present in vehicles from model year 2002. From model year 2002 high-pressure sender -G65 is fitted instead of pressure switch -F129.

=> Current Flow Diagrams, Electrical Fault-finding and Fitting Locations binder