

## Checking speedometer vehicle speed sensor (G22)

For troubleshooting is required:

- ◆ Sun VAT 40 or Fluke 83
- ◆ Connector Test Kit VW 1594
- ◆ Valid wiring diagram

**Before starting troubleshooting, battery negative terminal must be securely tightened.**

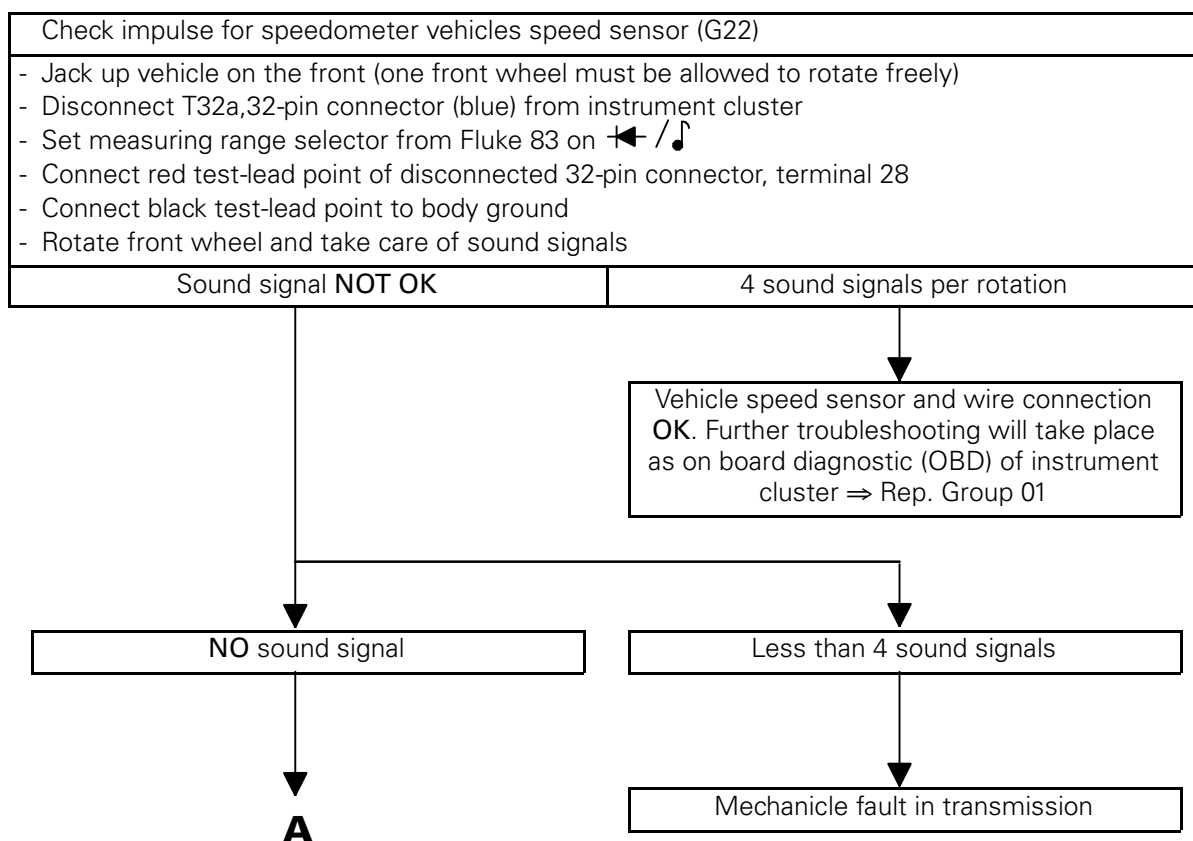
### Test conditions:

- ◆ Coding of instrument cluster has to correspond to vehicle typ and its equipment, if necessary instrument cluster will have to be coded, ⇒ Rep.Group 27

Get ready for troubleshooting:

- Switch **OFF** ignition and all electric consumers.
- Remove lower instrument frame on drivers side, ⇒ Rep. Group 70

After troubleshooting please check the speedometer.



**A**



Check wire connection of speedometer vehicle speed sensor (G22)	
<ul style="list-style-type: none"><li>- Set measuring range selector of Fluke 83 on <math>\leftarrow / \text{♩}</math></li><li>- Disconnect speedometer vehicle speed sensor from transmission</li><li>- Connect red test-lead point with disconnected 32-pin connector, terminal 28</li><li>- Connect black test-lead point of disconnected speedometer vehicle speed sensor with terminal 2</li></ul>	
NO sound signal	sound signal



Check wire according on wiring diagram



Check wire connection of speedometer vehicle speed sensor (G22)	
<ul style="list-style-type: none"><li>- Set measuring range selector of Fluke 83 on <math>\leftarrow / \text{♩}</math></li><li>- Connect red test-lead point of disconnected speedometer vehicle speed sensor, terminal 3</li><li>- Connect black test-lead point with body ground</li></ul>	
NO sound signal	sound signal



Check wire according on wiring diagram



Replace speedometer vehicle speed sensor (G22)