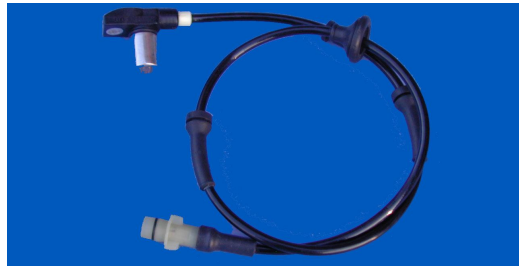


Wheelspeed sensor F.L.



Function

Incoming signal. The wheel-speed sensor forwards a voltage signal to the ABS control unit. Testing with ohmmeter: dismount the connector on the control unit and measure the resistance on the relevant pins. Compare with specification. The resistance values should be identical on the same axle. Testing with oscilloscope: Connect the oscilloscope to the relevant pins and rotate the wheel by hand (approx. 60 rpm) compare with scope display image, see data. The image should be identical on the same axle and there may be no variations in the voltage, if there are it could be due to a defective sensor ring - control visually. If there are variations in the voltage between the two wheels, control the distance from the wheel-speed sensor to the sensor ring. Long distance = small voltage. Short distance = high voltage. Higher speed = higher voltage. Also control the ground side of the wheel-speed sensor: connect the oscilloscope ÷ pole to battery ÷ and the oscilloscope + pole to the wheel-speed sensor ÷ terminal (see diagram) it should be max. 0,25V.

Info

