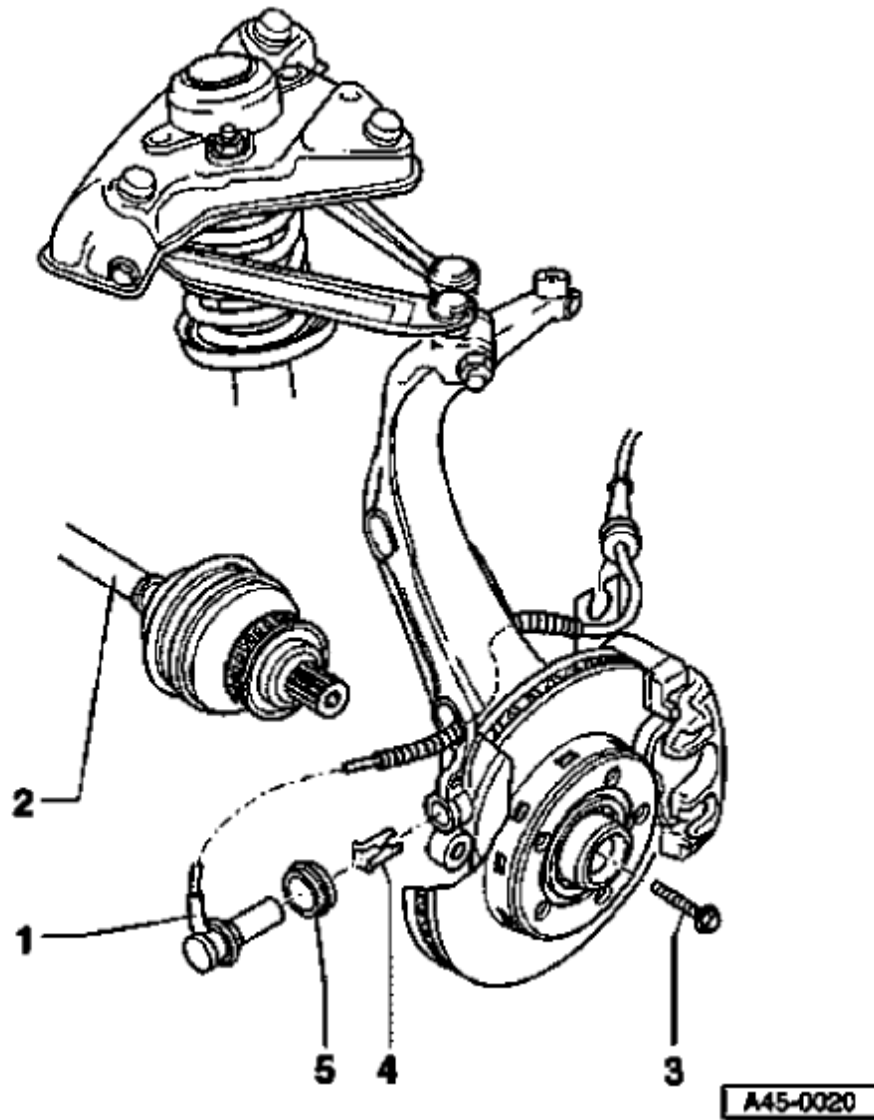


WHEEL SPEED SENSOR REPLACEMENT (FRONT) & (REAR)  
AXLES PASSAT 1.8LTR



**Parts of ABS system on front and rear axles, removing and installing  
Components of ABS system on front axle removing and installing**

**Note:** Removing and installing ABS system parts is identical for all brake calipers.

1 - ABS speed sensor

- Before inserting sensor, clean inner surface bore hole and coat with lubricating paste G 000 650

2 - Drive shaft with rotor

- Check rotor for damaged or dirt

3 - Hex bolt

4 - Clamping sleeve

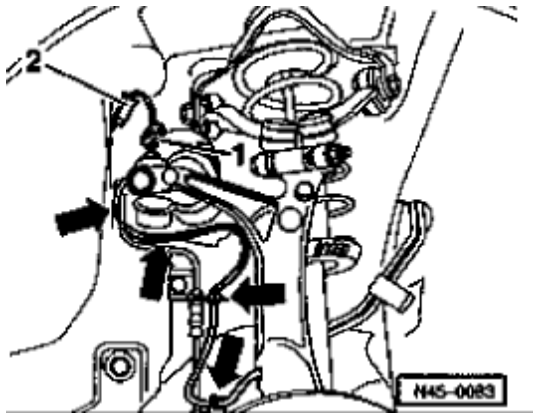
- Always replace
- Left and right side identical
- Before inserting into wheel housing, coat circumference with grease G 000 650
- Push into wheel bearing housing up to stops

5 - Sealing cuff

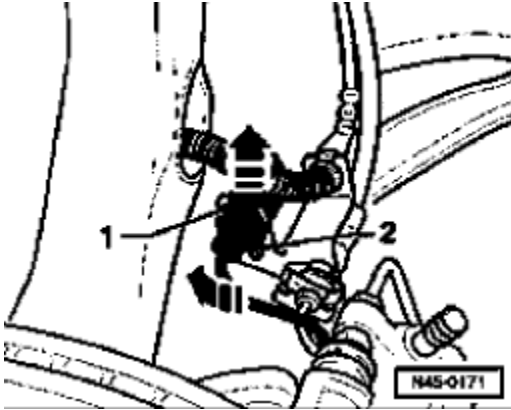
**Removing and installing speed sensor on front axle**

**Removing**

- Loosen wheel bolts.
- Raise vehicle.
- Remove wheel.



- Release grommet -1- in wheel housing.
- Disconnect ABS wheel speed sensor harness connectors -2-.
- Disconnect ABS wheel speed sensor wiring from retainers (arrows).



- For vehicles with brake wear indicator separate the connector -1-.
- Lift locking tab slightly on connector lower part -2- and then turn **90°** .
- Pull connector lower part out of bracket.
- Pull ABS wheel speed sensor from wheel bearing housing.

### **Installing**

- Before inserting ABS wheel speed sensor, clean inner surface of bore hole and coat speed sensor with solid lubricant paste G 000 650.
- Install ABS wheel speed sensor.
- Install ABS wheel speed sensor wire in retainers and install grommet in wheel housing.
- Insert brake wear indicator connector into bracket on brake caliper.

The brake wear indicator wiring must be routed between the brake carrier and brake line.

- Turn wheels fully until left and right-hand lock, and check clearance to ABS wheel speed sensor wiring.

### **Checking, removing and installing rotor on front axle**

- Raise vehicle.
- Remove wheel.
- Disconnect ABS wheel speed sensor out of wheel bearing housing.
- Check rotor for damaged or dirty parts by rotating drive axle.
- If rotor is damaged, remove drive axle with rotor and outer constant velocity joint.