



## TECHNICAL DATA SHEET No. 2

### RECLAIMING THE MAGNETIC ABS SENSOR RING (ASR)

#### 1. GENERAL

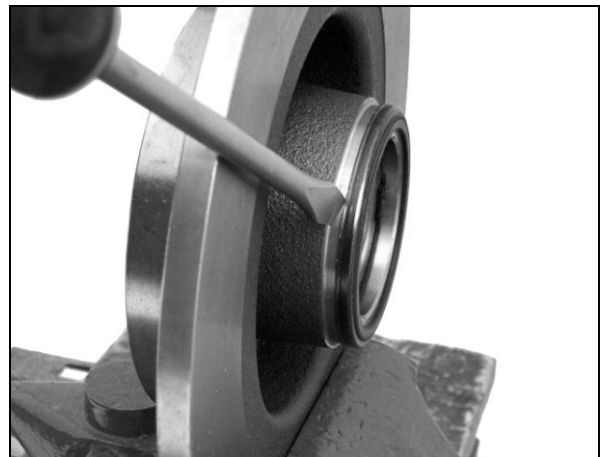
Some Citroen, Nissan, Peugeot and Renault models are fitted with rear brake discs that include a magnetic ABS sensor ring (ASR). If the replacement disc is not supplied with a factory fitted ASR, the ASR from the old disc must be transferred to the new disc - before fitting the disc to the vehicle. Failure to do so will cause the ABS system to malfunction and the dashboard ABS warning light will remain illuminated.

#### 2. REMOVAL

When withdrawing the old disc from the axle, take care not to damage the sensor ring and, once removed from the vehicle, do **not** lay the old disc down on its inboard side.

Before attempting to remove the ring, it is recommended that the old disc is held firmly in a vice.

Take a flat blade screwdriver, with a blade width of **at least 10mm**, and position the blade underneath the outside edge of the sensor ring. Gently lever the sensor ring off the disc by twisting the screwdriver, working around the disc and repositioning the disc in the vice if necessary.



#### 3. REFITTING

Clean the machined area of the new disc hub to ensure it is free from grease and dirt. Also carefully clean the inside of the sensor ring, taking care not to damage or distort it.

With the new disc placed outboard side downwards on a workbench, position the sensor ring squarely over the hub.

Using a block of wood and a light mallet gently tap the ring into position, ensuring it is correctly seated on to the hub.

Fit the disc to the vehicle and, using a new nut, pre-load the bearing by tightening to the **exact** torque specified by the vehicle or bearing manufacturer\*\*



**\*\* Failure to apply the correct pre-load to the bearing may result in excessive play, noise, overheating and premature bearing failure.**