

# Bearing replacement **made easy**

Changing a wheel bearing that contains an integral wheel speed sensor can be a challenge. A direct impact or pressure on the sensor could render it useless, forcing you back to square one, after you discover it doesn't work anymore. NTN/SNR provides a clear, step-by-step process to make the job easier.

These instructions are for the removal and fitting of a front wheel bearing with wheel speed sensor on the following models:

Audi A2, SEAT Cordoba and Ibiza, Skoda Fabia and Roomster and VW Fox and Polo. The NTN/SNR Wheel Bearing kit numbers are XMGB40889 R01 and XMGB 40899R01.

## REMOVAL

**1** Removal tools that will be required. (Fig. 1)



Figure 1

**2** Remove the steering knuckle and position tool 1 on the knuckle. (Fig 2)



Figure 2

**3** Assemble removal tools 2, 3, 4 and 5. (Fig 3)



Figure 3

**4** Insert the removal tool above through the hub and steering knuckle. Position tool 6 (extracting washer) and check that the outer diameter of the washer is at or below the outer diameter of the hub support on the inside of the steering knuckle. Fit the remaining nut, and tighten it to extract the old bearing. (Fig. 4)



Figure 4

## FITTING

**5** Fitting tools that will be required. (Fig. 5)



Figure 5

**6** Remove the protective cover from the replacement bearing. Check that the coded seal is working correctly, with an NTN-SNR ASB® tester card. (Fig 6)

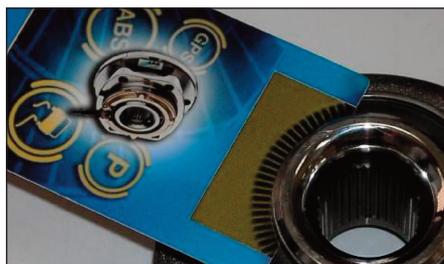


Figure 6

**7** Position one of the half moon tools in place, then the second. Use the wheel mounting bolts to fix the two half moons in place. (Fig 7)



Figure 7

**8** Position tool 3 in the groove provided and assemble tool 4. (Fig 8)



Figure 8

**9** Position the hub on the steering knuckle. (Fig 9)



Figure 9

**10** Insert tool 5 into tool 4 and then through the hub bearing and steering knuckle. Position tool 6 (locking washer) and add tool 7 (nut). Tighten the nut to insert the bearing inside the hub until the bearing lock ring is inside the steering knuckle. (Fig 10)



Figure 10

**11** Remove the tools, the fitting is complete. (Fig 11)



Figure 11

