



**Haynes**  
shows you how

**BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.**

## 2 Front hub assembly - removal and installation

### Note:

Don't remove the hub assembly unless you intend to replace it. The manufacturer states that the hub assembly must be replaced whenever it is removed because of damage to the wheel bearing during removal. A new hub nut and grease cap will be required for installation.

## Removal

- 1 Remove the front brake disc (see [Chapter 9](#) ).
- 2 Remove the retaining screw and remove the front ABS wheel sensor (see [Chapter 9](#) ).
- 3 Tap the grease cap out from the center of the hub (see illustration) .

**2.3 Tap out the grease cap from the center of the hub**



- 4 Using a hammer and chisel, unstake the hub retaining nut, and then remove it (see illustration) .

## 2.4 Using a hammer and pointed-nose chisel, tap out the hub nut staking



5 Attach a suitable puller to the hub assembly and draw it off the steering knuckle. If the bearing's inner race remains on the knuckle's spindle, a knife-edge type puller will be required to remove it (see illustration) . **Note:** *The wheel bearings are not available separately. The hub and wheel bearing must be replaced as an assembly.*

## 2.5 If the hub bearing inner race remains on the spindle, use a puller to remove it



6 If required, remove the fasteners and detach the disc guard from the steering knuckle.

## Installation

7 If removed, reinstall the disc guard to the steering knuckle and tighten the fasteners securely.

8 Position the hub on the steering knuckle. Tap or press the hub assembly onto the steering knuckle using a tubular spacer (or equivalent) which only contacts the bearing's inner race (see illustration) .

**2.8 Tap the hub assembly into position using a socket which only contacts the inner race of the new bearing**



9 Install the hub nut and tighten it to the torque listed in [this Chapter's Specifications](#). Lock the hub nut in position by staking it firmly into the stub axle groove using a hammer and punch.

10 Check that the hub rotates freely, and press the new grease cap into the hub center.

11 Reinstall the brake disc and ABS wheel sensor as described in [Chapter 9](#).

12 Tighten the wheel bolts to the torque listed in the [Chapter 1 Specifications](#).

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