



Haynes
shows you how

BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual

2 Front hub assembly - removal and installation

Removal

Note:

The hub assembly should not be removed unless it is to be replaced. The hub bearing inner race is a press-fit on the steering knuckle, and removal of the hub will almost certainly damaged the bearings; the manufacturer states that the hub assembly must be replaced whenever it is removed. A new hub nut and grease cap will also be required on installation.

- 1 Remove the front brake disc (see [Chapter 9](#)). On models with ABS, also remove the front wheel sensor.
- 2 Tap the grease cap out from the center of the hub (see illustration) .

2.2 Tap out the grease cap from the center of the hub



- 3 Using a hammer and chisel, tap up the staking securing the hub retaining nut in position, then loosen and remove the nut (see illustration) .

2.3 Using a hammer and pointed-nosed chisel, tap out the hub nut staking



4 Attach a suitable puller to the hub assembly and draw the assembly off the steering knuckle. If the bearing inner race remains on the steering knuckle, a knife-edge type puller will be required to remove it (see illustration) . Note that the hub bearings are not available separately - the hub must be replaced as a complete assembly.

2.4 If the hub bearing inner race remains on the steering knuckle, use a puller to get it off



5 Inspect the steering knuckle shaft for signs of damage, and replace it if necessary (see [Section 3](#)). If required, remove the retaining screws and remove the disc guard from the steering knuckle.

Installation

6 Where removed, install the disc guard to the steering knuckle, and securely tighten its retaining screws.

7 Ensure the dust cover is correctly installed on the rear of the hub assembly, and locate the hub on the steering knuckle. Tap or press the hub assembly fully onto the steering knuckle shaft using a tubular spacer which bears only on the bearing inner race (see illustration) .

2.7 Tap the hub assembly into position using a socket which bears only on the inner race of the new bearing



8 Screw the new hub nut onto the steering knuckle. Tighten the nut to the specified torque, and secure it in position by staking it firmly into the knuckle groove using a hammer and punch.

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

10 Install the brake disc (see [Chapter 9](#)). Where necessary, also install the ABS wheel sensor.

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