



**Haynes**  
shows you how

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

## 8 Timing chain sprockets and tensioner - removal and installation

### Camshaft sprockets and tensioner

1 Removal and installation are described as part of the timing chain removal procedure in [Section 7](#).

### Crankshaft sprocket

2 Remove the timing chain (see [Section 7](#)).

3 Slide the sprocket from the crankshaft, and recover the Woodruff key if it is loose.

4 Installation is a reversal of removal, but install the timing chain (see [Section 7](#)).

### Idler sprocket

5 Remove the timing chain (see [Section 7](#)).

6 Unbolt the sprocket from the timing chain housing.

7 Installation is a reversal of removal, noting the following points.

- A. Ensure that the sprocket is installed the correct way - the greater projecting boss on the sprocket should be facing the timing chain housing.
- B. Ensure that the washer is in place under the securing bolt.
- C. Install the timing chain (see [Section 7](#)).

© 2024 Haynes Manuals, Inc. Contact us