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**BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual**

## 12 Rear coil spring - removal and installation

### Removal

- 1 Block the front wheels, then raise the rear of the vehicle and support it securely on jackstands. Remove the relevant wheel.
- 2 The coil spring must be removed using special BMW tool Nos 33 5 011/ 012/013/014/015/016. Do not attempt to remove the coil spring without these tools.
- 3 Insert the lower collar of the special tool (No 33 5 012) above the lowest coil of the spring, ensuring it makes the maximum contact with the spring, and is positioned correctly.
- 4 Insert the guide spindles (Nos 33 5 013, 33 5 014 and 33 5 015) through the base of the spring and up through the lower collar.
- 5 Insert the upper collar of the special tool No. 33 5 011, or equivalent (E-series chassis models) or No. 2 241 788, or equivalent (F-series chassis models)  
  
below the highest coil of the spring, ensuring it makes the maximum contact with the spring, and locates correctly with the upper end of the guide spindles.
- 6 Fit tool No 33 5 016 over the lower end of the guide spindles, then tighten the spindles and compress the spring just enough to remove it. Do not fully compress the spring, or it will be damaged.
- 7 Inspect the spring closely for signs of damage, such as cracking, and check the spring seats for signs of wear. Replace worn components as necessary.

### Installation

- 8 Maneuver the compressed spring into place, ensuring the ends of the coils and the seats are correctly aligned.
- 9 Gradually release the tension on the spring, ensuring it is positioned correctly with the spring seats as it extends.

**10 Install the wheel, then lower the vehicle to the ground. Tighten the wheel bolts to the specified torque.**

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