



Haynes
shows you how

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

7 Front suspension stabilizer bar - removal and installation

Note:

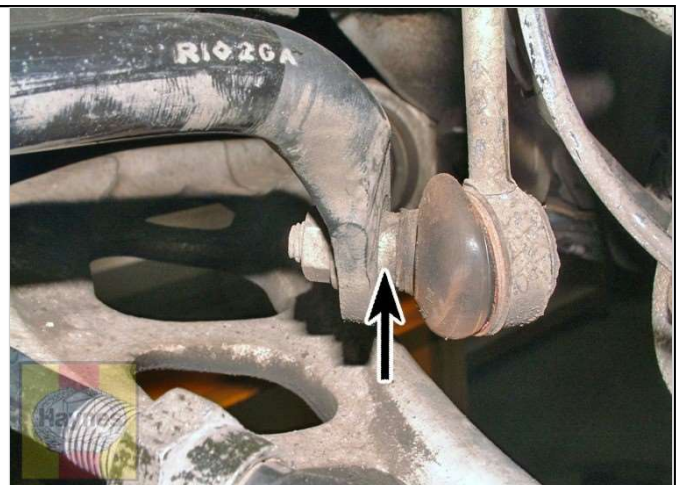
New mounting clamp nuts and connecting link nuts will be required on installation.

Removal

1 Loosen the front wheel lug bolts. Chock the rear wheels, firmly apply the parking brake, then raise the front of the vehicle and support on jackstands. Remove the screws and remove the engine splash shield, then remove both front wheels.

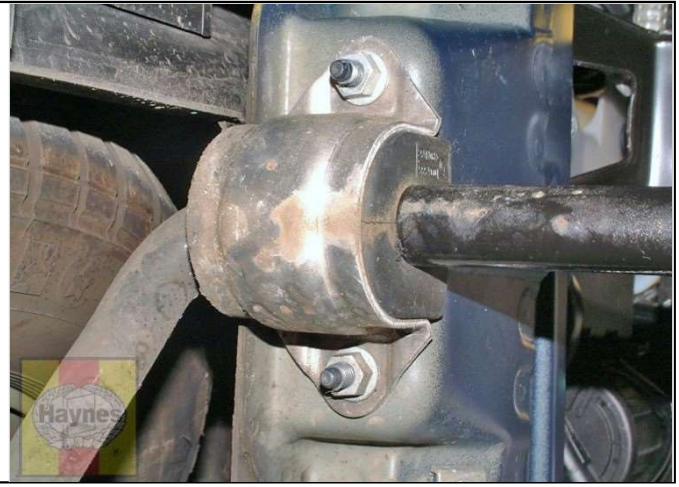
2 Unscrew the retaining nuts, and free the connecting link from each end of the stabilizer bar using a second wrench to hold the balljoint stud (see illustration) .

7.2 Use an open-end wrench to hold the balljoint stud on the stabilizer bar link



3 Make alignment marks between the bushings and stabilizer bar, then loosen the stabilizer bar mounting clamp retaining nuts (see illustration) .

7.3 Remove the front stabilizer bar clamp nuts after marking the relationship of the bushing to the bar



4 Remove both clamps from the subframe, and maneuver the stabilizer bar out from underneath the car. Remove the mounting bushings from the bar.

5 Carefully examine the stabilizer bar components for signs of wear, damage or deterioration, paying particular attention to the mounting bushings. Replace worn components as necessary.

Installation

6 Install the rubber bushings to the stabilizer bar, aligning them with the marks made prior to removal. Rotate each bushing so that the split side faces downward.

7 Maneuver stabilizer bar into position. Reinstall the mounting clamps, ensuring that their ends are correctly located in the hooks on the subframe, and install the new retaining nuts. Ensure that the bushing markings are still aligned with the marks on the bars, then tighten the mounting clamp retaining nuts to the specified torque.

8 Engage the stabilizer bar connecting links with the bar. Make sure the flats on the balljoint shank are correctly located against the lugs on the bar then install the new retaining nuts and tighten to the specified torque.

9 Reinstall the wheels then lower the car to the ground and tighten the wheel bolts to the specified torque.

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