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

27 Dynamic Stability Control - general information and component replacement

General information

1 Dynamic Stability Control (DSC) is standard on most models, and available as an option on all other models. DSC includes ABS and Traction control, but this Section is concerned with Cornering Brake Control (CBC). By monitoring steering wheel movements, suspension ride heights, road speed and lateral acceleration the system controls the pressure in the brake lines to each of the four brake calipers during braking, reducing the possibility of understeer or oversteer. The suspension ride height sensors also provide information to the Adaptive Headlight Control Module, which corrects headlight aiming according to load and vehicle attitude.

Component replacement

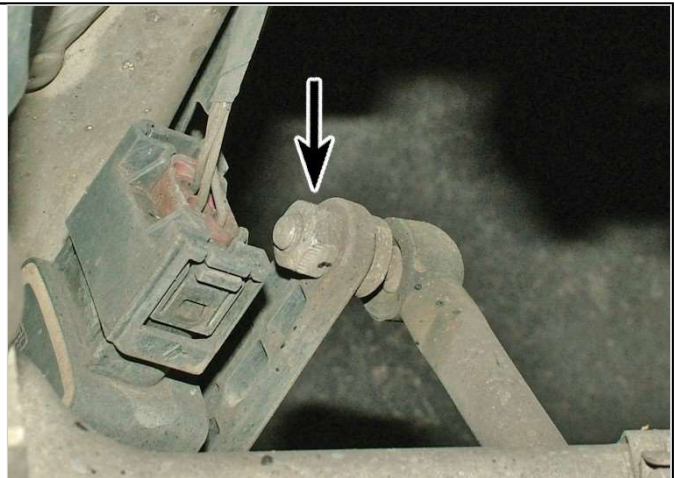
Steering angle sensor

2 The steering angle sensor is integral with the steering column switch module (see [Chapter 12](#)).

Front ride height sensor

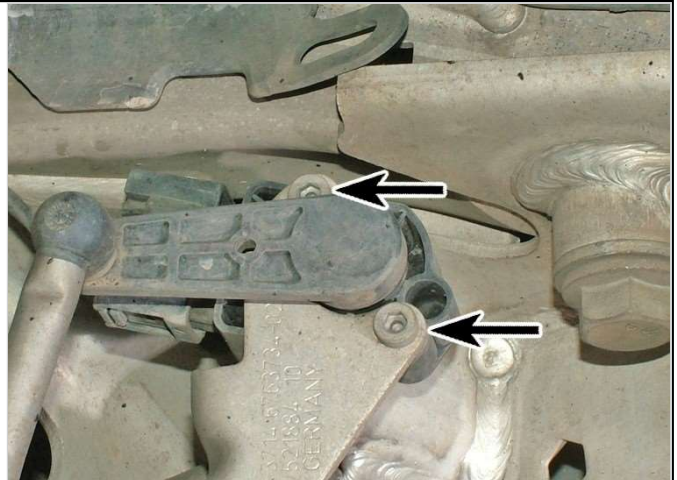
3 Remove the nut securing the control rod to the sensor arm (see illustration) .

27.3 Remove the nut securing the rod to the arm



4 Remove the two retaining bolts and withdraw the ride sensor (see illustration) . Disconnect the electrical connector as the sensor is removed.

27.4 Ride height sensor retaining bolt locations



5 Installation is the reverse of removal. Have the headlight alignment checked on completion.

Rear ride height sensor

6 Remove the nut securing the jointed rod to the sensor (see illustration) .

27.6 A nut secures the rod to the sensor arm



7 Remove the bolt securing the sensor mounting bracket to the subframe, then disconnect the sensor wiring plug.

8 If required, remove the 2 bolts and separate the sensor from the mounting bracket.

9 Installation is the reverse of removal.

DSC control unit

10 The DSC control unit is integral with the ABS control unit. Replacement of the control unit should be handled

at a dealer or other qualified shop.

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