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

13 Tire pressure control system (RDC) - information and component replacement

Information

1 A tire pressure monitoring system (RDC) is available as an option on most of the 3-Series range. The system consists of a transmitter in each wheel, attached to the base of the inflation valve, a receiver behind the wheel arch liner adjacent to each wheel, and a control module behind the passenger side glove box. A warning light in the instrument cluster, alerts the driver should the tire pressure deviate from the set pressure. Note that due to the weight of the wheel-mounted transmitter unit, it is essential that any new tires are balanced correctly before use.

Component replacement

2 Disconnect the cable from the negative terminal of the battery (see [Chapter 5, Section 1](#)).

Control module

3 Remove the passenger side glove box as described in [Chapter 11, Section 27](#).

4 Carefully unclip the plastic panel behind the glove box.

5 Unlock the wiring connector catch, and disconnect it. Depress the retaining clip and slide the control unit from the carrier.

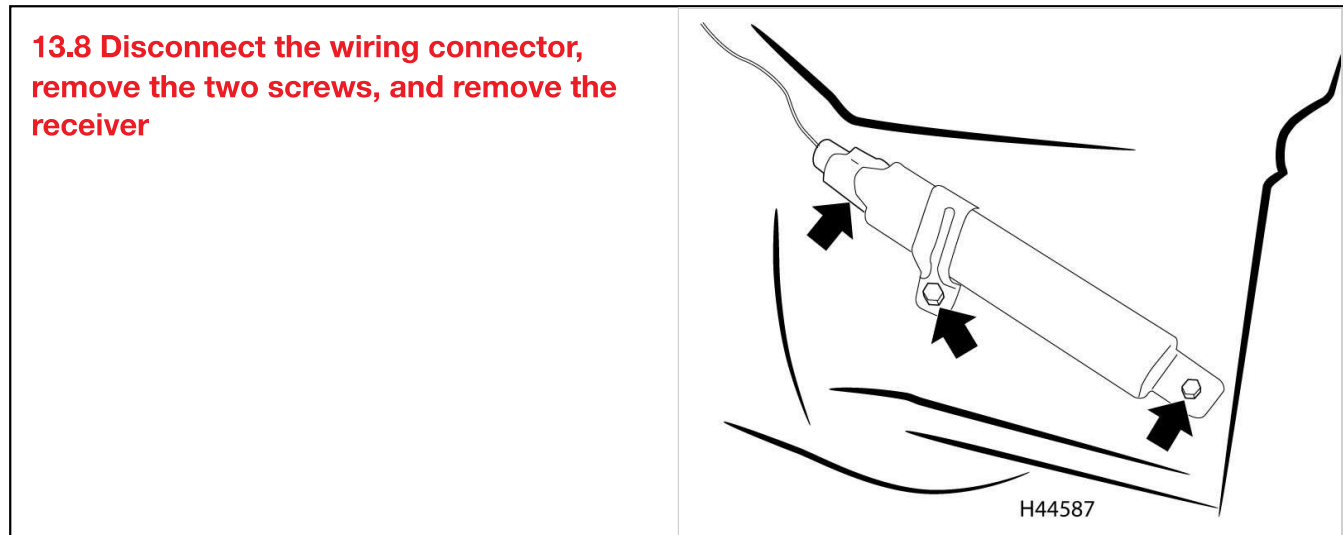
6 Installation is the reverse of removal. Reprogram the system's reference pressure settings as described in the Owner's Handbook.

Receiver

7 Loosen the wheel lug nuts, raise the vehicle and support it securely on jackstands, then remove the wheel. Release the retaining clips/screws and remove the wheel arch liner.

8 Disconnect the receiver wiring connector, remove the two retaining screws, and withdraw the unit (see illustration) . Note that the right-hand side front and the rear receivers are mounted on the inside of the front

section of the wheel arch liner.



9 Installation is the reverse of removal.

Transmitter

10 A transmitter is located on the base of each inflation valve. Have the relevant tire removed by a suitably-equipped specialist.

11 Remove the Torx screw and slide the transmitter from the base of the valve. Note the following precautions:

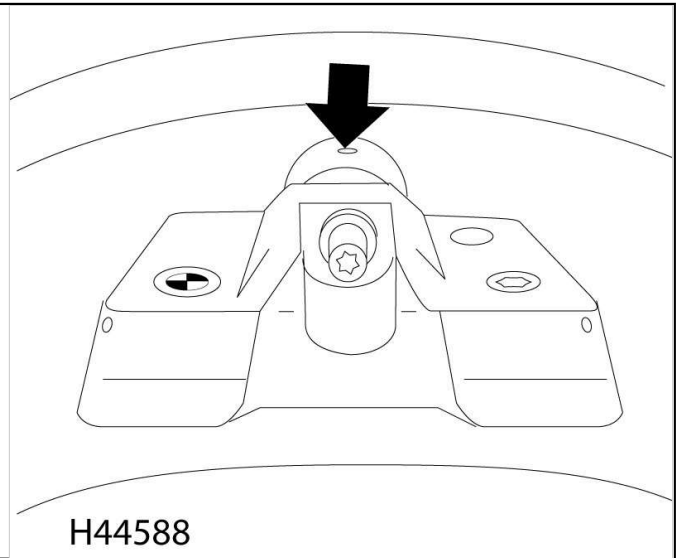
- A. Do not clean the transmitter with compressed air.
- B. Do not clean the wheel rim (tire removed) with high-pressure cleaning equipment.
- C. Do not use solvent to clean the transmitter.
- D. If tire sealing fluid has been used, the transmitter and valve must be replaced.
- E. It is not possible to use the valve with the transmitter removed.

12 Insert a rod into the hole in the valve body retaining collar, unscrew the body and remove the valve.

13 Install the new valve body (with collar) into the transmitter, only finger-tighten the Torx screw at this stage.

14 Insert the assembly into the hole in the wheel, ensuring that the hole in the valve body retaining collar faces outwards. Tighten the valve body nut, using a rod in the hole in the collar to counterhold the nut (see illustration) .

13.14 Ensure the hole in the retaining collar faces outwards



15 Tighten the transmitter Torx screw to the torque listed in [this Chapter's Specifications](#).

16 Have the tire installed.

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