

**Haynes**
shows you how

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

4 Battery - removal and installation

Note:

When the battery is disconnected, any fault codes stored in the engine management PCM memory will be erased. If any faults are suspected, do not disconnect the battery until the fault codes have been read by a BMW dealer or specialist. If the vehicle is equipped with a code-protected audio unit, refer to your owner's manual.

Note:

On these models, the negative cable connector of the battery has an electrical monitor called the Intelligent Battery Sensor (IBS). Do not pry under the IBS, and do not attach any other ground wires to the negative cable end.

Note:

When a new battery is installed, there may be some electrical problems if the vehicle is not scanned at a dealership to alert the PCM that a new battery has been installed.

Removal

1 The battery is located beneath a cover on the right-hand side of the trunk.

2 On sedan, coupe and convertible models, lift the catch and remove the right-hand side trunk side trim above the battery (see illustration) .

4.2 Rotate the catch and lift out the panel (sedan models)

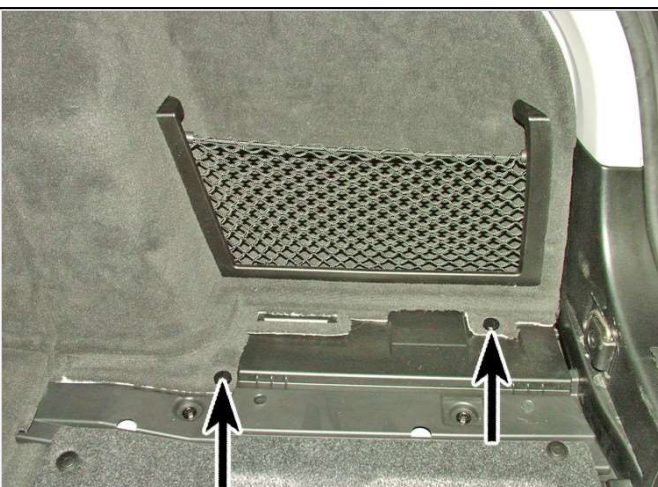


3 On wagon models, open the tailgate and lift out the rear floor panel, remove the fasteners and lift out the side panel, rotate the fasteners 90-degrees counterclockwise and lift out the trim above the battery (see illustrations) .

4.3a Lift the handle and remove the floor panel (wagon models)



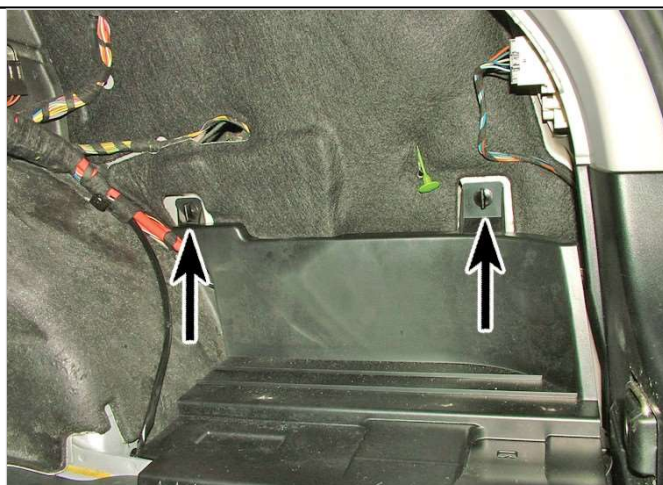
4.3b Rotate the fasteners 90-degrees . . .



4.3c . . . and lift the base of the panel inwards to remove it



4.3d Rotate the fasteners 90-degrees . . .

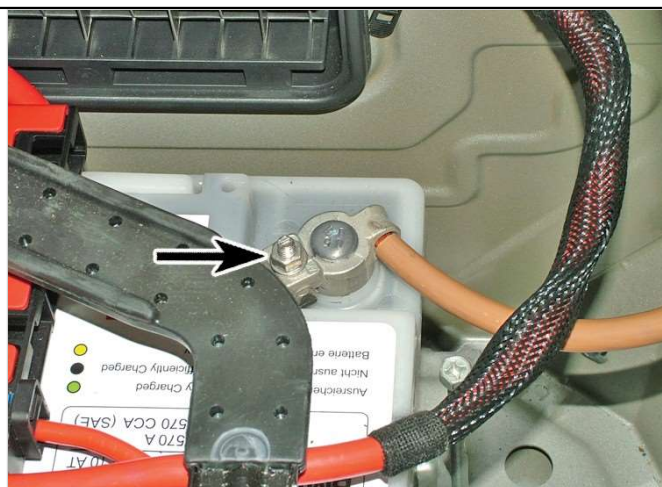


4.3e . . . and lift the panel above the battery



4 Loosen the clamp nut, and disconnect the clamp from the battery negative (ground) terminal (see illustration) . Position the negative cable away from the battery, so there is no risk of accidental contact between it and the battery terminal. For extra protection, cover the disconnected cable clamp with a rag or rubber glove, etc.

4.4 Loosen the nut and disconnect the negative cable clamp



5 Remove the support bracket mounting bolts and bracket, above the battery (see illustration) .

4.5 Remove the two bolts and the bracket above the battery



6 Pry up the plastic cover and remove the nut securing the connector assembly to the positive clamp (see illustration) .

4.6 Pry up the cover and remove the nut



7 Using a flat-bladed screwdriver, pry apart the retaining clip on each side and lift up the connector assembly from the top of the battery (see illustrations) . Position the connector assembly to one side.

4.7a Pry apart the retaining clip on each side . . .



4.7b . . . and lift off the connector assembly



8 Pry up the plastic cover, loosen the nut and pull the positive clamp assembly from the terminal on the battery (see illustrations) .

4.8a Pry up the plastic cover, loosen the nut . . .



4.8b . . . and pull up the positive clamp

9 Unscrew the bolt and remove the battery retaining clamp (see illustration) .

4.9 Remove the bolt and the battery retaining clamp

10 Lift the battery from its housing, disconnecting the vent hose as the battery is removed (see illustrations) .
Take care as the battery is heavy.

4.10a Pull the vent hose from the side of the battery . . .

4.10b . . . and lift the battery out of the vehicle



Installation

11 Installation is the reverse of removal. Connect the positive cable first, then the negative cable. Refer to [Section 3](#) and perform the sunroof and power window initialization procedures.

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