

# Instructions for disconnecting batteries and using BMW Repair Manual

The indicated batteries must be disconnected or center gear console removed before installation of the Crystal Series products. If this is ignored, there is *risk of short circuit that may render the car undriveable!*

There are usually one or two 12V batteries in [gasoline-powered BMW models](#), in the trunk and/or under the hood. Both batteries must be disconnected.

The [mild hybrid BMW models](#) usually have a 12V battery in the trunk and a 48V battery under the hood. It's enough to disconnect the 12V battery, but we recommend also opening the hood. This disconnects the 48V battery. Wait 5 minutes before starting the installation, making sure the car has no power, all lights are off etc.

Only the negative cable needs to be disconnected. The positive cable can stay connected. No particular reset procedure is required when reconnecting the cables, but you may have to set the clock and make some minor adjustments such as seat memory settings.

For [plug-in hybrid BMW models](#), all batteries can stay connected but the center gear console must be removed from the car. The panel with Favorite buttons does not have to be removed when installing the Volume Button.

To get more detailed instructions on how to locate and disconnect batteries for your specific vehicle, or how to remove the center gear console, use BMW Repair Manual as described below.

First, get registered and pay for the subscription. Click on "Link to BMW Repair Manual".  
24 hours: \$30

1. Login to the system at <https://www.bmw-tis.com/#/login>
2. Agree to the disclaimer.
3. Click on AOS.
4. Select "Repair Manuals & Diagrams (AIR)".
5. Click on "Start".
6. Select vehicle, either by entering VIN or by choosing under "With basic features".
7. Click the magnifier glass. Your vehicle is loaded.
8. You can now search for any information about your vehicle. Focus on "Premium repair instruction", "Technical document".

You can view the whole document by clicking on the document symbol.  
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