

BMW 2006-10 M6

PRECAUTIONS

Warning: Unless directed otherwise, ignition and start switch must be in OFF or LOCK position, and all electrical loads must be OFF before servicing any electrical component. Failure to follow these precautions may result in personal injury and/or damage to vehicle or its components.

Warning: Batteries produce explosive gases that may cause personal injury. Do not expose battery to flame or sparks. Always provide adequate ventilation. Do not smoke when working near batteries. Do not place tools or any similar object on the battery.

Warning: Do not allow any battery acid to come into contact with the eyes, the skin or clothing. Wear protective clothing, gloves and eye protection. Do not tilt the battery, or acid may leak from the vent hole.

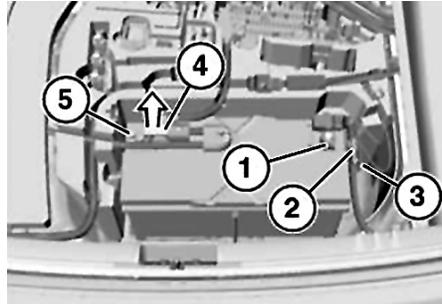
Warning: If acid is splashed into the eyes, rinse them immediately for several minutes with clear water and consult a doctor immediately. Seek medical attention immediately if battery acid is accidentally swallowed. If acid is splashed onto the skin or clothing, neutralize it immediately with a soap solution and rinse with lots of water.

On vehicles with radio code, radio code must be re-entered after disconnecting battery. Note stored stations and restore them after connecting battery. Stored settings of on-board computer and clock will also be lost. All available central keys must be re-coded for vehicles with first generation infrared transmitter locking systems. Diagnostic Trouble Codes (DTCs) may be set in some control units after battery is connected.

BATTERY

Removal

1. Record all vehicle preset radio stations.



BTY120000000348

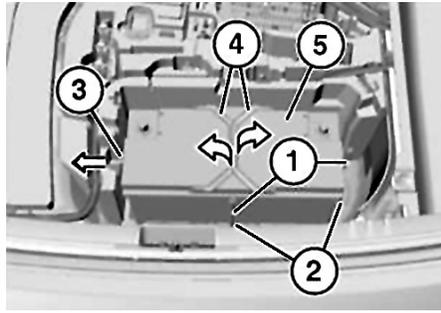
Fig. 1 Battery cable removal

2. Turn OFF all lamps and accessories.
3. Remove luggage compartment mat.
4. Remove luggage compartment floor panel and tray cover insert.
5. Loosen nut, and disconnect battery ground cable (1), **Fig. 1**.
6. Loosen nut (5) and disconnect battery positive cable (4), **Fig. 1**.
7. Remove both pin bolts (1), **Fig. 2**.
8. Remove battery mounting brackets (2), **Fig. 2**.
9. Disconnect vent hose (3), **Fig. 2**.
10. Fold handles (4) upward and remove battery (5), **Fig. 2**.

Installation

1. Install battery into battery tray.
2. Connect vent hose (3), **Fig. 2**.
3. Install mounting brackets (2) and tighten pin bolts (1), **Fig. 2**.
4. Connect battery positive cable and **torque** nut to 53 inch lbs.
5. Connect battery ground cable and **torque** nut to 53 inch lbs.
6. Install luggage compartment floor panel and tray cover insert.
7. Install luggage compartment mat.
8. Initialize power windows as follows:
 - a. Close all windows.
 - b. Press and hold each window switch in one touch closed position (sec-

- ond switch position) for 15 - 25 seconds.
 - c. Verify proper one touch window operation.
9. Activate steering angle sensor as follows:
 - a. Start engine and allow to idle.
 - b. Turn steering wheel from lock to lock.
 - c. Turn steering wheel to center position.
 - d. Turn ignition off.
 - e. Turn ignition on, and verify AFS lamp and "Check Control" message go out.
 - f. Turn ignition off.
 10. **On models equipped with sunroof**, synchronize sunroof as follows:
 - a. Press and hold sunroof switch in lift direction.
 - b. After reaching full lift position, continue holding switch for an additional 20 seconds.
 - c. Release switch for five seconds.
 - d. Verify correct sunroof operation.
 11. **On models equipped with mirror compass**, calibrate compass as follows:
 - a. Refer to vehicle owner's guide for more information.
 - b. Calibrate compass in a large open area away from large metal buildings.
 - c. Press and hold setting button located on bottom of mirror for six to nine seconds. Release button when "C" is indicated in display.
 - d. Safely drive vehicle two to three times in a circle at approximately 6 mph. Circle should be at least twice vehicle's turning circle.
 - e. Calibration is complete when a valid direction is displayed.
 - f. **On models equipped with convertible top or hardtop**, compass must be calibrated once with soft top or hardtop closed and once with soft top or hardtop open.
 12. **On all models**, set clock and program radio stations back into radio as recorded at beginning of procedure.



BTY120000000349

Fig. 2 Battery removal

The material herein may not be used without the prior express written permission of the copyright holder, including, but not limited to reproduction or transmission in any form by any means such as electronic, mechanical, photocopying, recording or otherwise; nor may it be stored on any retrieval system of any nature.

"The data reported herein has been compiled from authoritative sources. While every effort is made by the analysts to attain accuracy, manufacturing changes as well as typographical errors and omissions may occur on occasion. The publisher cannot be responsible nor does it assume any responsibility whatsoever for such omissions, errors or changes."

MOTOR INFORMATION SYSTEMS
MOTOR is a trademark of Hearst Business Media
A Unit of Hearst Corporation
1301 W. Long Lake, Suite 300
Troy, MI 48098

Copyright © 2012 Hearst Business Media. All rights reserved.
