

BMW 2000-03 M5

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 the vehicle or its components.

Warning: Batteries produce explosive gases that may cause personal injury. Do not expose the 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.



Fig. 1 Battery removal

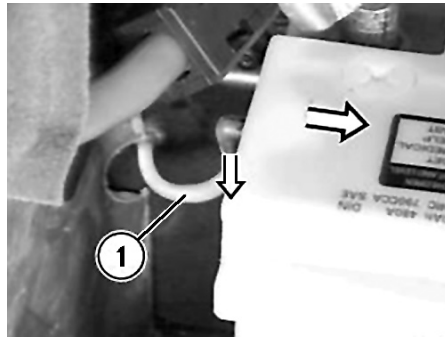
BATTERY Removal

1. Record all vehicle preset radio stations.
2. Turn OFF all lamps and accessories.
3. Open right rear luggage compartment access door.
4. Loosen nut, and remove battery ground cable from battery ground terminal.
5. Open positive terminal cover.
6. Loosen nut, and remove battery positive cable from battery positive terminal.
7. Remove battery mounting screw (1), Fig. 1.
8. Remove battery holder (2), Fig. 1.
9. Slide battery to rear end wall and remove vent hose (1), Fig. 2.
10. Remove battery.

Installation

1. Install battery and connect vent hose.
2. Install battery holder (2), Fig. 1.
3. Install retaining bolt, and torque to 88 inch lbs.
4. Connect positive cable to battery posi-

5. tive terminal and torque nut to 57 inch lbs.
5. Connect ground cable to battery ground terminal and torque nut to 57 inch lbs.
6. Initialize power windows as follows:
 - a. Close all windows.
 - b. Press and hold each window switch in one touch closed position (second switch position) for 15 - 25 seconds.
 - c. Verify proper one touch window operation.
7. **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.
8. **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.
9. **On all models,** set clock and program radio stations back into radio as recorded at beginning of procedure.



BTY120000000359

Fig. 2 Vent hose 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.
