

VOLKSWAGEN 2010 Beetle

PRECAUTIONS

Warning: Acid has strong corrosive properties. If batteries are handled inappropriately, there is a risk that personal injury may result from exposure to harmful electrolyte influences. Therefore, suitable remedies for acid damage must be kept readily available. Soapy water would be a suitable remedy.

Warning: If electrolyte drips out from the battery, skin can be burned by acid, and the vehicle may be affected by acid erosion and corrosion. It is a possibility that safety-related vehicle components can be damaged.

Warning: The gas resulting from charging and partially after charging is explosive. In extreme cases, if the battery is handled inappropriately, the emitted gases may cause the battery to explode.

Warning: Producing sparks by sanding, welding, cutting and open flames, as well as smoking near a battery, is forbidden. Producing sparks through electrostatic discharge must also be avoided. Always touch the vehicle body before touching the battery.

Only perform battery procedures in suitable and well-ventilated locations.

BATTERY Removal

1. Record radio anti-theft code and station presets.
2. Turn off all lamps and accessories.

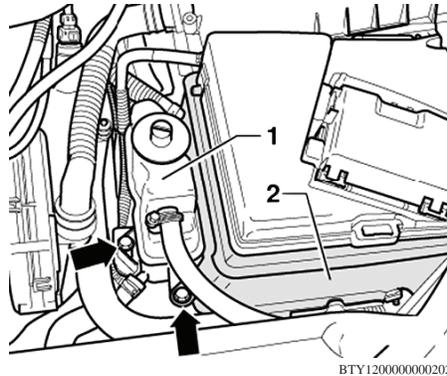


Fig. 1 Power steering reservoir removal

3. Turn ignition switch to OFF position.
4. Open and disengage fuse panel cover at battery housing.
5. Open battery to insulation, as required.
6. Loosen bolt, and disconnect battery ground cable from battery ground post.
7. Loosen bolt, and disconnect battery positive cable from battery positive post.
8. Remove power steering reservoir mounting bolts (arrows), **Fig. 1**.
9. Position power steering reservoir aside (1), **Fig. 1**.
10. Remove battery heat insulation, as required.
11. Remove battery housing (2), **Fig. 1**.
12. Remove battery mounting bolt (arrow), **Fig. 2**.
13. Remove battery hold down bracket.
14. Remove battery from battery tray.

Installation

1. Install battery so that tab on battery tray (arrow) fits into opening in battery clamping strip (1), **Fig. 3**. It must not be possible to slide battery to righthand or lefthand sides.
2. Battery is installed correctly when center opening in center of battery clamping strip and threaded hole in battery tray align (arrows), **Fig. 4**. If battery has a hose for central venting system, ensure hose does not get clamped off. If battery does not have a hose for central venting system, ensure opening on top side of cover is not plugged.
3. Install battery hold down bracket.
4. Install battery mounting bolt (arrow), and **torque** to 16 ft. lbs., **Fig. 2**.
5. Install battery housing (2), **Fig. 1**.
6. Install battery heat insulation, as required.
7. Connect positive cable battery terminal clamp to battery positive terminal, and **torque** mounting bolt to 50 inch lbs.
8. Attach ground cable to battery ground terminal, and **torque** bolt to 50 inch lbs.
9. Reset all preset and theft codes previously recorded to radio.
10. Inspect any affected system or component such as clock, comfort adjustment, or compass for proper settings, and adjust as required.

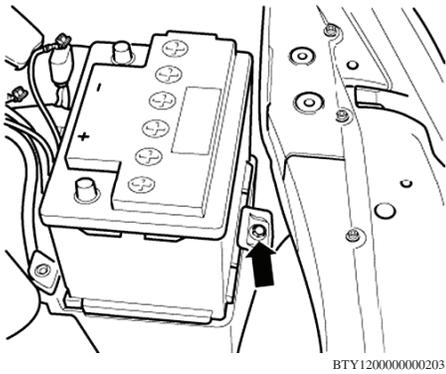


Fig. 2 Battery removal

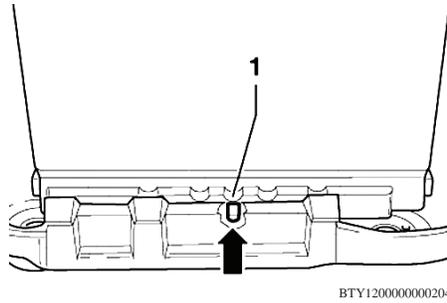


Fig. 3 Battery installation

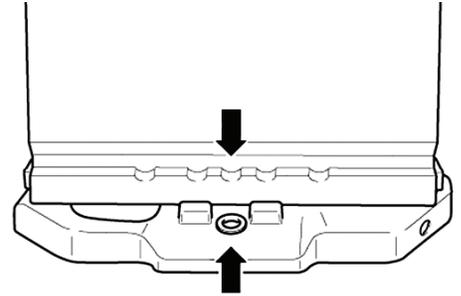


Fig. 4 Battery alignment

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."

"Portions of materials contained herein have been reprinted under license from Volkswagen of America, Inc., License Agreement 08500VWA."

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.