



Important!

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Technical Bulletin

Vehicle Delivery Information

**Subject: Battery Cut-Off Switch, Disconnecting and Removing
During the Pre-Delivery Inspection (PDI)**

Group: 00

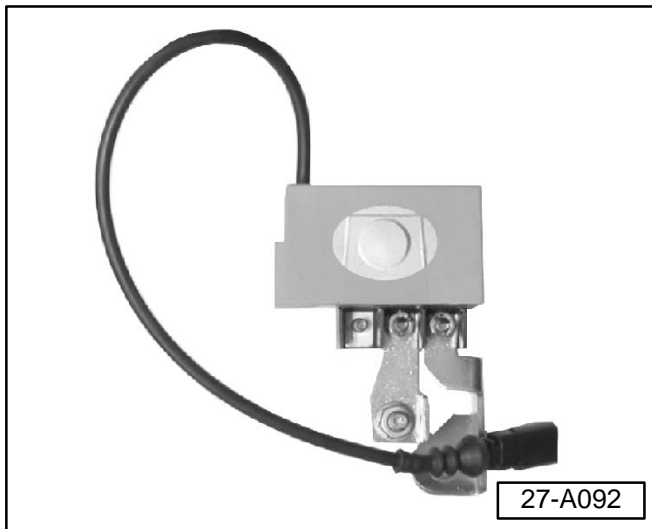
Number: 05-01

Model(s): Touareg

2004, 2005

Date: Jan. 18, 2005

Supersedes T.B. Group 00 Number 04-02 dated Apr. 6, 2004 and Group 00 Number 04-03 dated Apr. 28, 2004 due to content revision.



Condition

◀ An Automatic Battery Cut-off Switch (BCS) may be attached to the floor in front of the driver's seat.

Production

On some vehicles, an Automatic Battery Cut-off switch (BCS) is used to prevent battery discharge during the transportation cycle.

This switch (located near the battery in front of the driver's seat) renders some systems inoperable and may cause various battery voltage related Diagnostic codes (DTCs) to be stored in control modules.

Depending on the Vehicle Identification Number (VIN), there are two types of Battery Cut-Off switches used on the 2004 and 2005 Touareg, a Manual Cut-Off switch and an Automatic Cut-Off switch

Tip:

Any 2004 Touareg prior to the VIN breaks listed on page 2 will have a Manual Battery Cut-Off Switch installed.

The production change from a Manual Battery Cut-Off switch to an Automatic Battery Cut-Off switch were implemented with VIN numbers as follows:



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- ◆ Touareg with V6 or V8 engines switched to an ORANGE or GREEN color Automatic BCS, Part Nos.: 7L0 943 383, 7L0 943 383A, or 7L0 943 383B beginning with VIN: 7L_4D069444.
- ◆ Touareg with V10 TDI engine switched to a GREEN color automatic BCS, Part No: 7L0 943 383B beginning with VIN 7L_4D086641.

General Information:

For vehicles equipped with an automatic BCS:

- ◆ Battery cut-off occurs automatically approx. 10 minutes after terminal 15 (Ignition) OFF occurs. This time delay ensures the run-out functions of the electric coolant fan and the electric coolant circulation pump.
- ◆ The automatic BCS monitors the impedance of the on-board electrical network for changes.

Starting a vehicle with BCS activated:

To start a vehicle With an automatic BCS in the cut-off state:

- Depress the brake pedal for approx. 3 seconds (which causes a change in impedance of the on-board network).
- ◆ As soon as the BCS recognizes the pedal has been depressed, the battery is switched ON and the vehicle can be started.

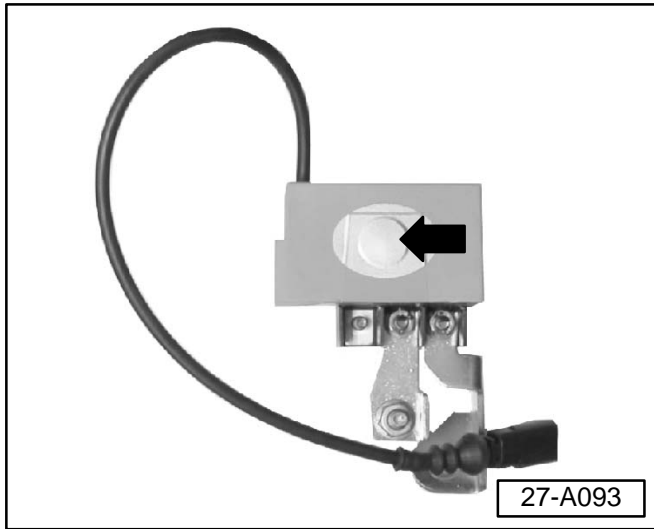


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- ◀ ◆ Exception - V10 TDI: Due to the Dual-Battery onboard electrical circuit, the BCS does not recognize any change of impedance. Therefore, the BCS must be activated by pressing the push button (oval silver surface) in the center of the cover (arrow).
- ◆ The oval silver button is also designed to perform emergency switching of the battery on the V6, V8 and V10 equipped vehicles.
- ◆ If the BCS is activated (by depressing the brake pedal or the push button) and engine start or ignition "ON" does not occur within 1 minute, the BCS switches off again automatically.



Tip:

If the BCS cannot be activated, either by the brake pedal or by the push button

- Check the vehicle for activated consumers (interior illumination, headlights etc.).

For dual battery vehicles (V10 TDI):

- Perform as described above and also verify that the starter battery is not discharged.

If consumers were activated:

- Switch those consumers OFF and wait approx. 30 seconds.
- ◆ BCS can be switched ON as described above.



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During battery voltage check at the PDI:

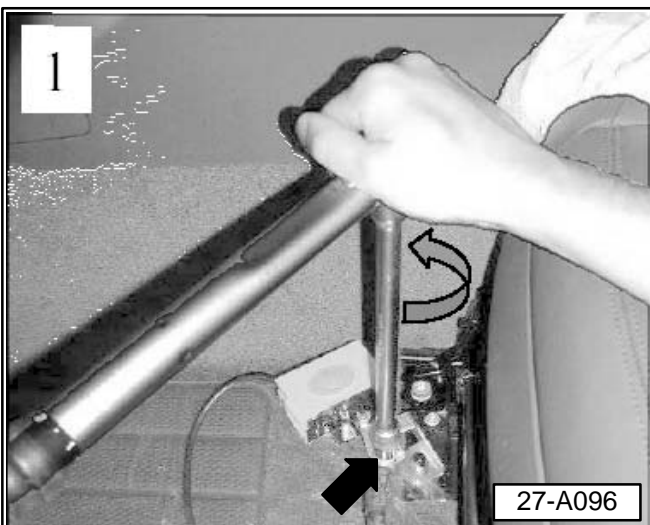
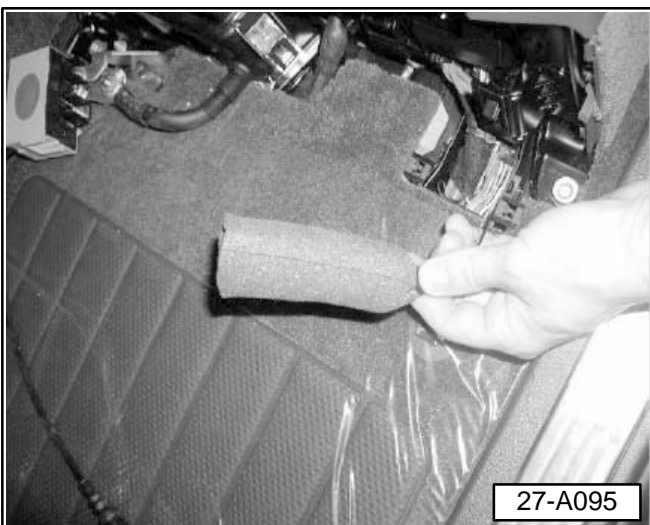
If a BCS is not installed:

- Proceed with PDI.

If a BCS is installed, It should be removed within 48 hours prior to delivery to the customer.

Automatic BCS, removing

- ◀ - Locate switch wire to harness connector (shown).
- Pull back foam sleeve (shown).
- Separate connector.
- ◀ - Roll foam back over harness connector as shown.



- ◀ - Remove nut holding battery Ground (GND) strap (black arrow) from BCS and lay Ground strap on the carpet.

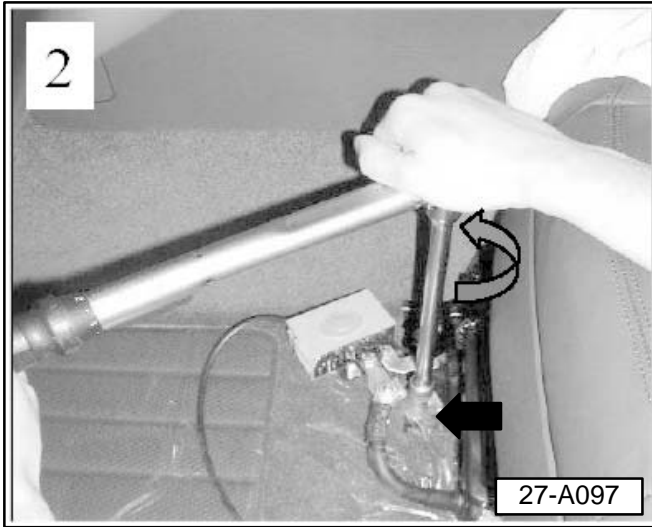


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- ◀ – Remove nut fixing the BCS at the grounding stud (black arrow).
- Remove the BCS.
- Package and ship the BCS with a copy of the Repair Order in the supplied prepaid / pre-addressed box.

Note:

If box is not supplied, contact the Volkswagen Technical Literature Ordering Center at www.vw.ddsld.com, or by calling 1-800-544-8021 from 8:00 am to 8:00 pm EST Monday through Friday. This number can be dialed in both the United States and Canada.



- ◆ Ground strap terminal and ground stud must be clean.
- ◀ – Attach the battery ground (GND) strap to the stud (arrow) using nut (previously removed).
- ◆ Nut Torque = 20Nm ± 2Nm.

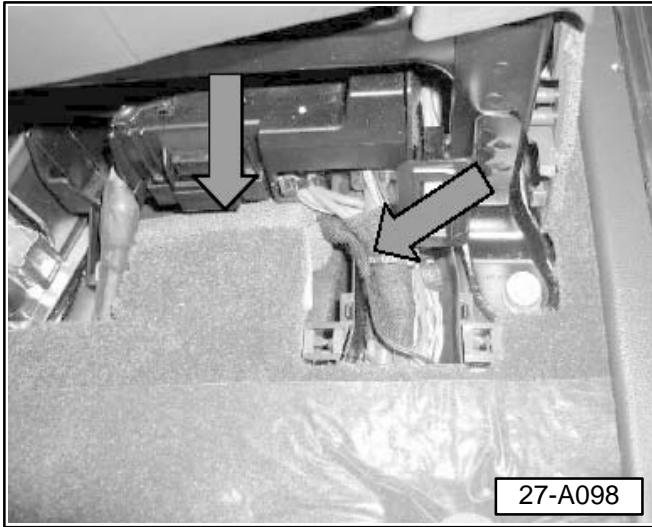


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◀ – Route disconnected (foam covered) wiring as shown (arrows) and tie-wrap as necessary.

- Install carpeted cover.
- Return driver seat to normal position.

Post Procedure, component reset / relearn:



Tip:

Access Start Module:

Before starting vehicle, Access Start Module must be reset:

- Turn ignition switch to left most position.
- Let ignition switch return to zero position (at rest when key is in ignition switch).
- Turn ignition switch to right position to start engine

Front windows "One touch feature"

With vehicle idling:

- Fully open both front windows.
- Fully close both front windows.



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Electronic front seat (if equipped), "Soft stop function":

With vehicle idling:

- Hold seat "forward/backward" switch in forward position until front seat moves fully forward and seat stops.
- Release switch.
- Hold seat "forward/backward" switch in forward position to ensure front seat is in fully forward position.
- Release switch.
- Forward soft stop position is learned.
- Hold seat "forward/backward" switch in backward position until front seat moves fully backward and seat stops.
- Release switch.
- Hold seat "forward/backward" switch in backward position to ensure front seat is in fully backward position.
- Release switch.
- ◆ Backward soft stop position is learned.
- Repeat steps for other front seat.

Electronic steering column (if equipped):

While vehicle is idling:

- Operate steering column adjustment switch in each direction (up, down, forward and backward) until steering column stops in that direction.



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Steering angle sensor & Air suspension:

- ◆ Steering angle sensor will temporarily lose calibration (light will illuminate) and must relearn its position.
- ◆ Air suspension will temporarily lose communication with the steering wheel angle sensor (light will illuminate).
- Drive vehicle forward with wheels in the straight ahead position for approx. 45 ft. (13.7 meters).