

Audi RS 4

ELECTRICAL Electrical Equipment

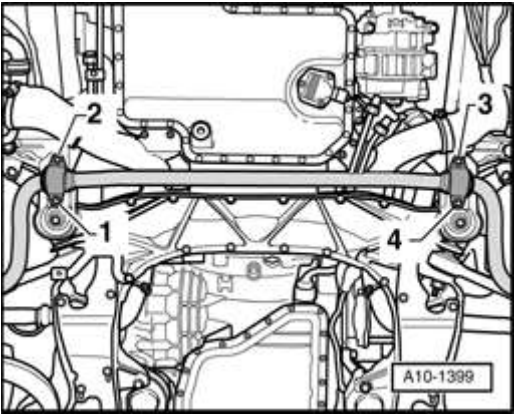


Fig. 178: Removing Nuts For Left/Right Stabilizer Mounts
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove left and right stabilizer bar mount nuts - **1** - and - **2** -.
- Swing stabilizer bar down.

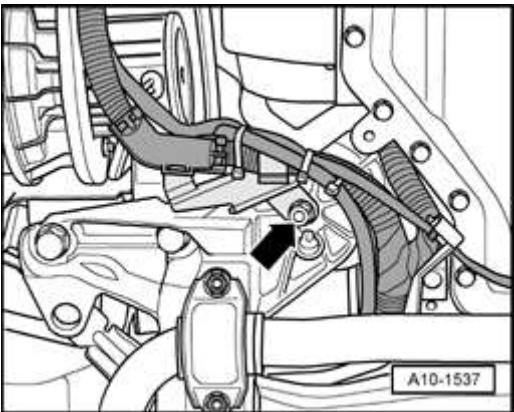


Fig. 179: Removing Wiring Harness Bracket At Right Engine Mount Plate
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove wiring harness bracket at right engine console - **arrows** -.

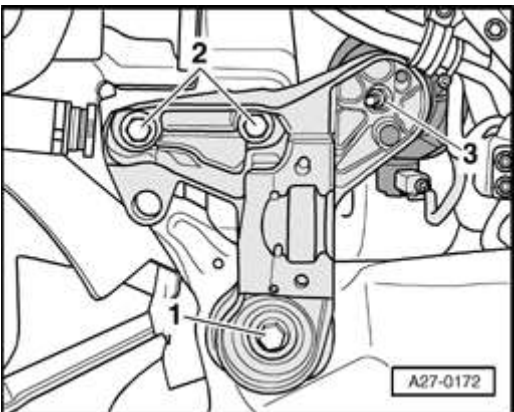


Fig. 180: Identifying Nuts, Bolts, And Right Side Engine Mount Carrier

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Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove nut - 3 -.
- Remove bolts - 1 - and - 2 - and remove right engine console.

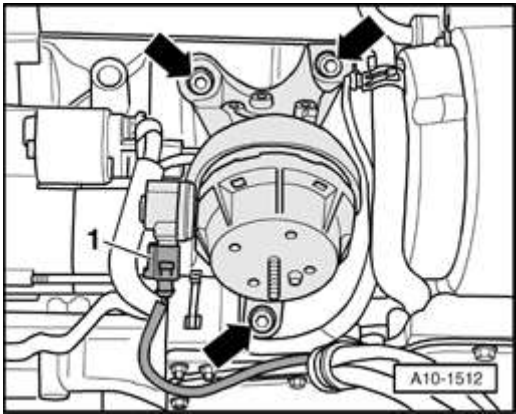


Fig. 181: Disconnecting Electrical Harness Connector At Right Engine Mount
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Disconnect electrical connector at right engine mount - 1 -.
- Remove screws - **arrows** - using a hex socket head wrench with ball head.

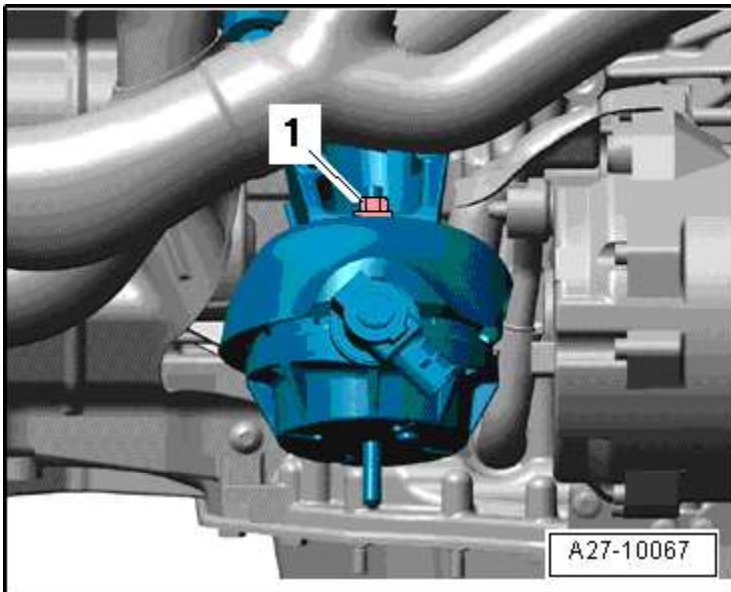


Fig. 182: Identifying Engine Mount Nut
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove engine mount nut - 1 - at right engine support.
- Remove engine mount and engine support.

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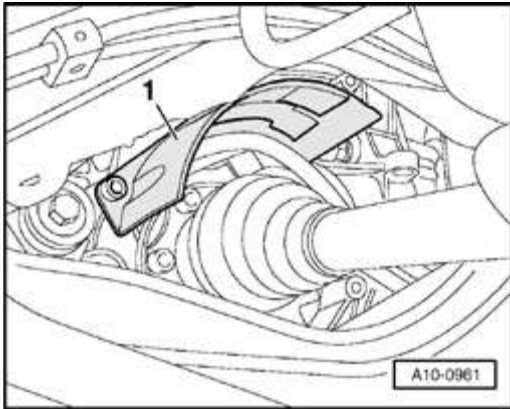


Fig. 183: Removing Left/Right Heat Shields For Drive Axles
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove right driveshaft heat shield - **arrow** -.

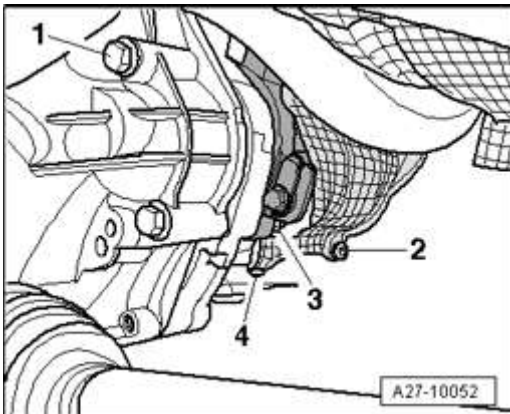


Fig. 184: Identifying Screws, Nuts, And Starter Heat Shield
Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Remove screws - **2** - and - **4** - at starter heat shield.
- Remove nut - **3** - and screw - **1** -.
- Remove starter forward.

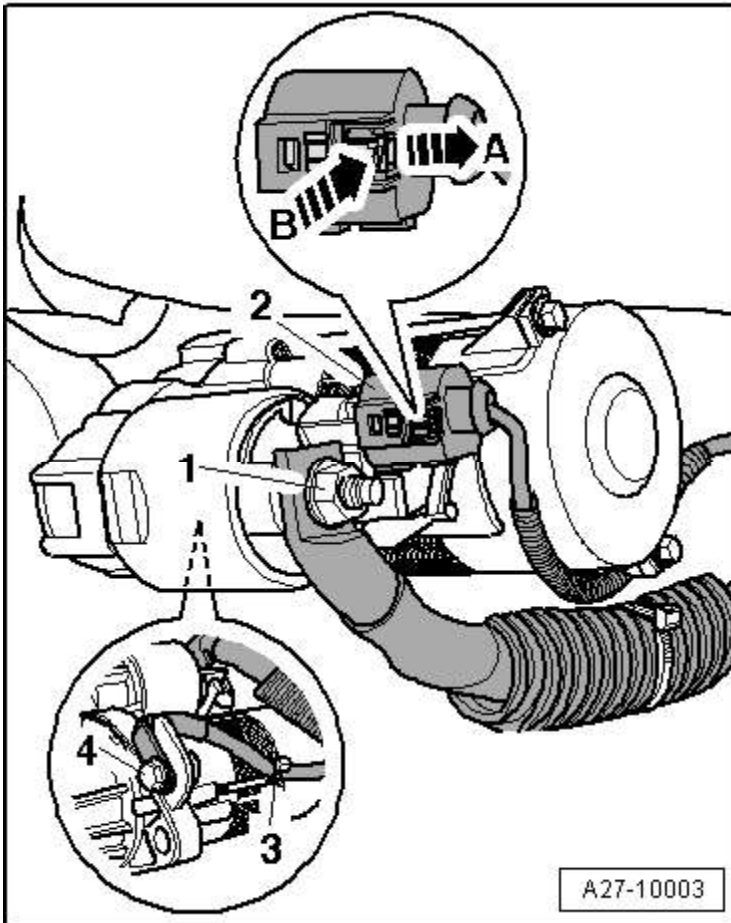


Fig. 185: Identifying Electrical Connection, Locking Mechanism, Nut, Ground Wire, And Cable Ties
 Courtesy of VOLKSWAGEN UNITED STATES, INC.

- Release electrical connection - 2 - by pushing locking mechanism - **arrow A** - and pressing catch down - **arrow B** -.
- Remove nut - 1 - and remove terminal 30 (B+) eyelet.
- Remove ground wire - 4 -.
- Cut through cable ties - 3 -.
- Remove starter.

Installing

Install in reverse order of removal, noting the following:

NOTE:

- When installing, install cable ties at same location.
- Install engine console and tighten subframe --> **40 - FRONT SUSPENSION** .
- Install stabilizer --> **40 - FRONT SUSPENSION** .
- Connect battery. Required steps **Connecting**.

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Tightening torques

Component - fastener	Nm
Starter to transmission - bolt	65
Terminal B+ to starter - nut	16
Ground cable to starter - bolt	22
Engine support to cylinder block - bolt	42 ¹⁾
Heat shield for half-shaft to transmission - bolt	23
• ¹⁾ Insert with locking compound; locking compound.	

90 INSTRUMENTS

INSTRUMENT CLUSTER

General information

The instrument cluster contains an electronic speedometer, tachometer, liquid crystal (LCD) displays for odometer, trip odometer, digital clock with date, as well as analog coolant temperature and fuel level gauges. Control and warning lamps are situated within the speedometer and tachometer faces. Automatic transmission models also contain an LCD gear indicator display.

A "Drivers Information System" LCD is located between the tachometer and speedometer. Displayed information includes an auto check system, outside air temperature, automatic transmission range, radio frequency and selectable trip computer functions.

The optional Navigation system display is also included in the Drivers Information System (where applicable).

Instrument cluster, disposal

NOTE:

- **Instrument cluster LCD display contains mercury.**
- **Faulty instrument clusters (not covered by new vehicle warranty) may need to be disposed of as hazardous waste. Always heed state/local regulations concerning disposal of hazardous waste.**

On Board Diagnostic (OBD), function

The instrument cluster is controlled by an internal microprocessor with On Board Diagnostic (OBD) capability. If malfunctions occur in monitored sensors and components, Diagnostic Trouble Codes (DTC) will be stored in memory.

Troubleshoot instrument cluster malfunctions and perform OBD program functions using VAS 5051/5052 tester in mode "Guided Fault Finding".

VAS 5051/5052 connected and in mode "Guided Fault Finding":