



69-13-05 – Airbag Light ON, B200009 or U101200 Fault Code Stored in Airbag Control Unit

Release date: 8/3/2023

Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta GLI, Passat	2012-2014	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2035369/2	7/3/2023	69-13-05	Updated to include additional repair information.
2035369/1	10/16/2013	69-13-05	Original publication.



Note:

If fault codes other than those listed below are present, bulletin does not apply.

DTC:	Description
B200009	Transm.Contr. Unit Malfunction
B200049	Internal Contr.Module Random Access Memory (RAM) Error
U101200	Voltage supply voltage too high

Technical Background

The airbag control unit self-test may be susceptible to alarm horn resonance during the self-test causing the airbag light to illuminate in the instrument panel.

If this situation occurs, the airbag system remains operational.

Production Solution

Not applicable.



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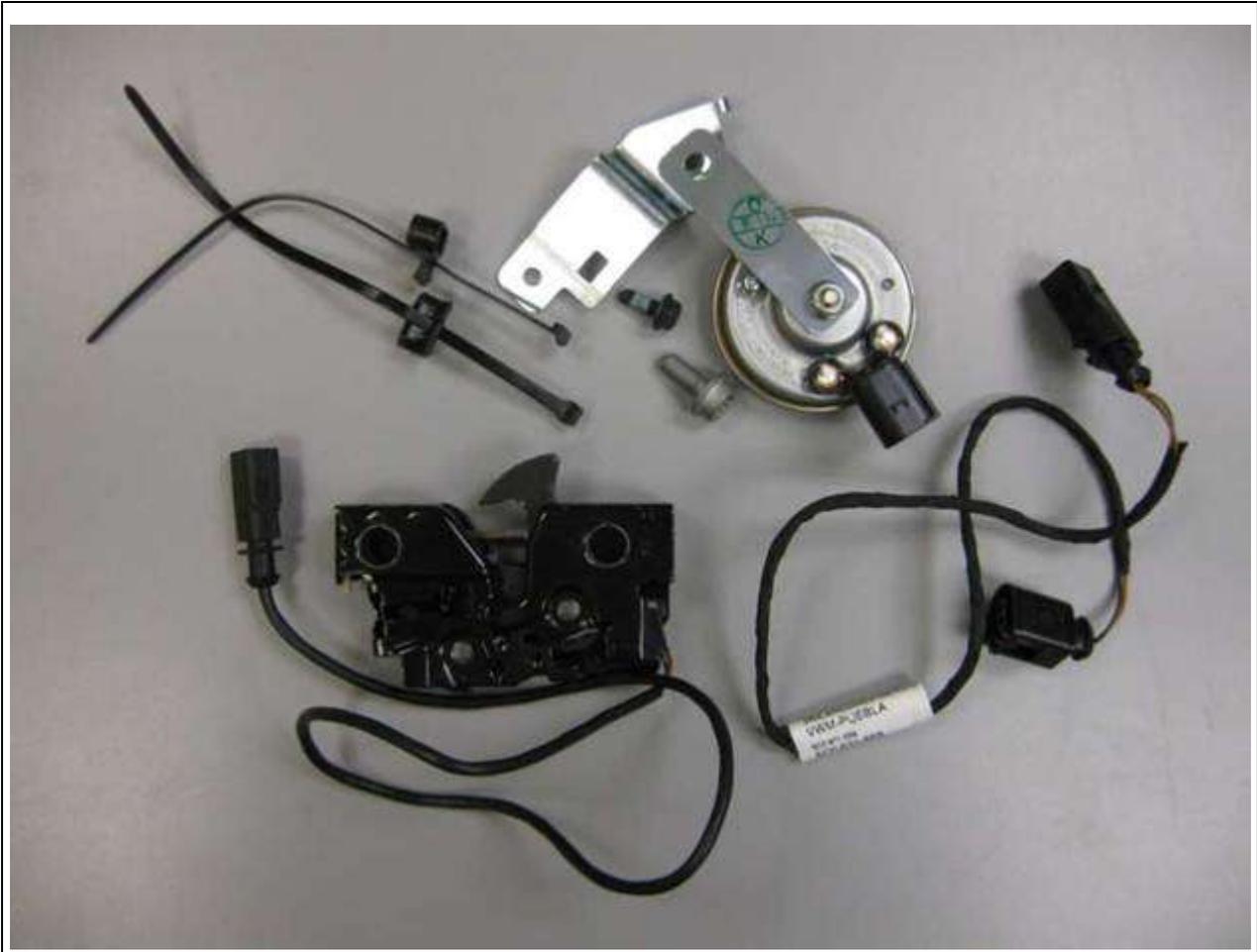
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Service

- Install an alarm kit and replace the airbag control unit.

Procedure:

- Install alarm kit part number 5C6998003 (Jetta) 561054620B (Passat) following instructions provided below.



Genuine anti-theft alarm system retrofit kit: 561 054 620 C

Scope of delivery:

- 1 X Software certificate
- 1 X Assembly Instruction

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Required special tools, test and measuring equipment:

- Vehicle diagnostic tester with latest Odis-Baseline version
- Battery charger MTRMSP0702 battery maintainer/charger

**Note:**

A charger with at least 70A charging current MUST be used in order to avoid problems during software updates and flash campaign/actions.

Sequence of operations:**Note:**

- This software update has to be carried out by an authorized workshop. In some cases supplementary, vehicle specific literature is required. Incorrect handling may lead to damage to the vehicle.
- It must be ensured that the open-circuit voltage of the battery is at least 12.5 Volts. To maintain the onboard voltage during the complete procedure, connect a MTRMSP0702 battery maintainer/charger. Neither diagnostic nor any other operations may be performed with the diagnostic tester during the software update.
- The activation code, the activation number and the activation pin are required for software actualization. For this data, refer to the software certificate enclosed.
- Subject to technical modifications.

If the ignition is replaced, connect the vehicle diagnostic tester and then identify the vehicle.

After querying the control units, select the “Special Functions” and then sequentially the following menu options:

- Software version management
- Adapting Software
- Perform conversion / Activation Document” (comes in the Box)

After activation, the online connection is established and the software update carried out.

After successful activation, restart the infotainment system (press the On/Off switch of the infotainment system for more than 10 seconds).

End Guided troubleshooting.

Disconnect the connection to the diagnostic tester.

- Once alarm kit is installed, replace airbag control module.



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Genuine anti-theft alarm system retrofit kit: 5C0 054 620 Beetle

Scope of delivery:

- 1 X Contact switch -F266-
- 1 X Alarm horn
- 1 X Adapter cable
- 1 X Relay
- 1 X Fitting material
- 1 X Installation instruction

Required special tools, test and measuring equipment:

- Vehicle diagnostic tester with latest Odis-Baseline version
- Battery charger MTRMSP0702 battery maintainer/charger



Note:

A charger with at least 70A charging current MUST be used in order to avoid problems during software updates and flash campaign/actions.

Installation process:



Note:

The Genuine anti-theft alarm retrofit kit must be installed by an authorized workshop. Special tools are needed for the installation as well as detailed, vehicle specific manuals. Incorrect installation may lead to damage to the vehicle.

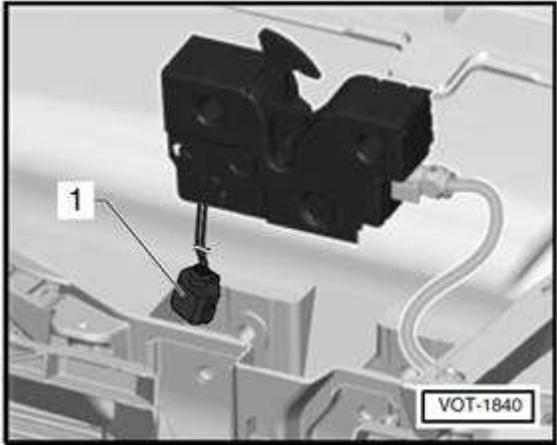
An online SVM VW connection and the appropriate password are needed in order to update the vehicle software.

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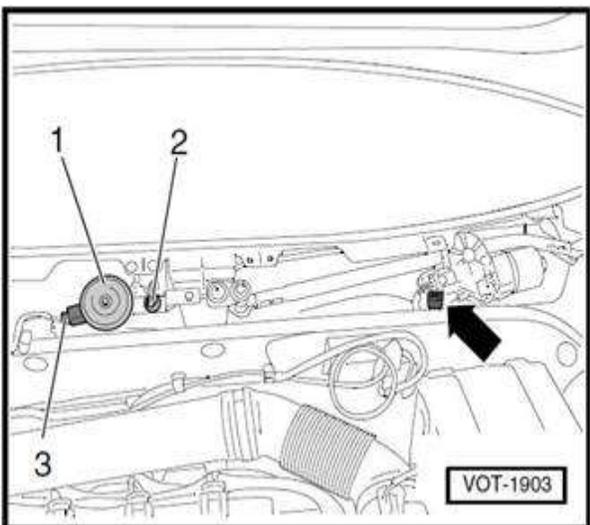
1.1 Installing the contact switch -F266-

	<ol style="list-style-type: none">1. Remove the old and install the new hatch lock. See repair group 55 in Elsa.2. Pull the pin connector -1- for the contact switch through the installation bay for the hatch lock.3. Lay the wires for the contact switch parallel to the control wire or hatch lock. <p>Note:</p> <p>The anti-theft warning system connection to the vehicle wiring harness is located in the engine compartment on the cooler intake near the left headlight.</p> <p>The connections for the anti-theft warning system are protected against moisture by adhesive tape.</p>
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4. Connect the pin connector -1- to the anti-theft warning system connection.

5. Secure the wire for the contact switch to the existing holders or vehicle wiring using the supplied cable ties.

1.2 Retrofitting the alarm horn -H12- for the anti-theft alarm system

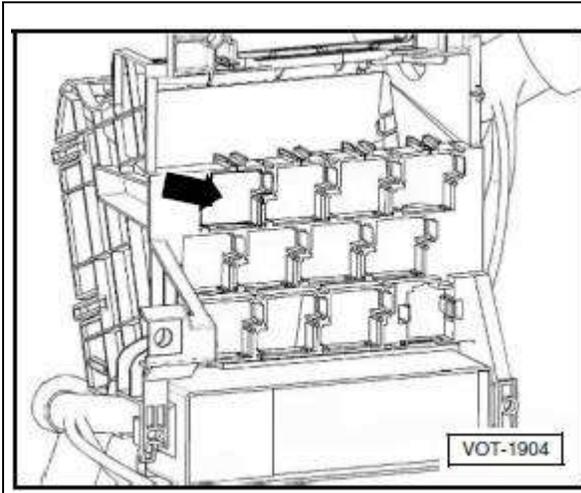
	<ol style="list-style-type: none">1. Mount the alarm horn -1- included in the scope of delivery in the middle of the vehicles plenum chamber using the supplied fasteners -2-. See repair group 96 in Elsa. Connect the plug -3- of the supplied adapter cable to the alarm horn.2. Remove the dummy stop from the vehicle's plug -arrow- in the plenum chamber and connect the free plug of the adapter cable.3. Secure the wire for the alarm horn to the existing holders or vehicle wiring using the supplied cable ties.
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1.3 Retrofitting relay for the anti-theft alarm system



1. Plug the relay included in the scope of delivery in slot 1 of the relay carrier on the driver side -arrow-.

1.4 Uploading the vehicle software

- Connect the diagnostic tool VAS 6150/X & VAS 6160/X and ODIS Service with current online updates to the vehicle. See repair group 97 in Elsa.
- Select the operating mode “Guided Trouble Finding” and then the respective vehicle within the vehicle diagnostics, measurement and information system VAS 6150/X & VAS 6160/X and ODIS Service with current online.
- After querying the control units, select the “Functions/component selection” via the button “Jump” and then sequentially the following options:
 - Software version management
 - Adapting software
 - Perform conversion / retrofit

- Enter the 5 character action code “35CBE”

After the code is entered the online connection is created and the software update is carried out.

- After updating the software, disconnect the vehicles diagnostics, measurement and information system VAS 6150/X & VAS 6160/X and ODIS Service with current online updates and perform a function test of the anti-theft alarm system.



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Genuine anti-theft alarm system retrofit kit: 561 054 620B Passat

Scope of delivery:

- 1 X Contact switch -F266-
- 1 X Alarm horn
- 1 X Adapter cable
- 1 X Fitting material
- 1 X Installation instruction

Required special tools, test and measuring equipment:

- Vehicle diagnostic tester with latest Odis-Baseline version
- Battery charger MTRMSP0702 battery maintainer/charger



Note:

A charger with at least 70A charging current MUST be used in order to avoid problems during software updates and flash campaign/actions.

Installation process:



Note:

The Genuine anti-theft alarm retrofit kit must be installed by an authorized workshop. Special tools are needed for the installation as well as detailed, vehicle specific manuals. Incorrect installation may lead to damage to the vehicle.

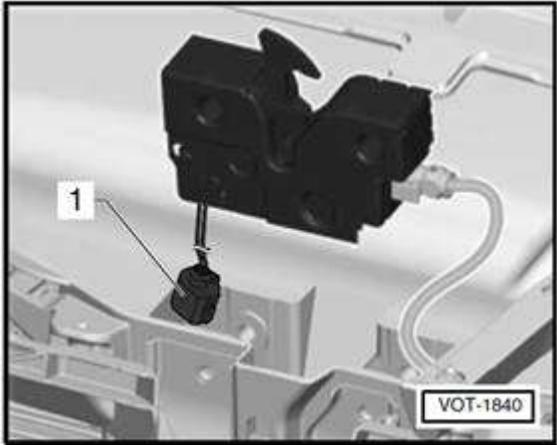
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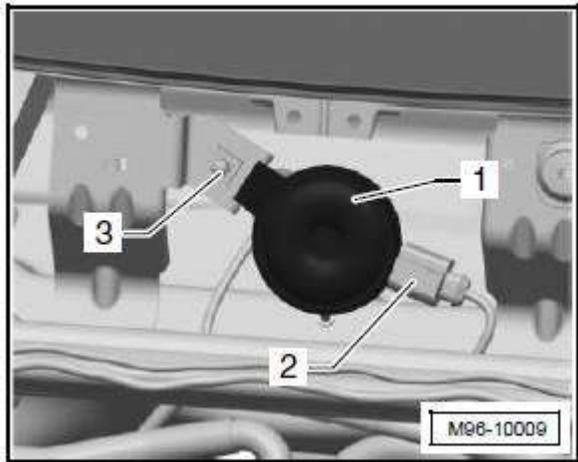
1.1 Installing the contact switch -F266-

	<ol style="list-style-type: none">1. Remove the old and install the new hatch lock. See repair group 55 in Elsa.2. Pull the pin connector -1- for the contact switch through the installation bay for the hatch lock.3. Lay the wires for the contact switch parallel to the control wire or hatch lock. <p>Note:</p> <p>The anti-theft warning system connection to the vehicle wiring harness is located in the engine compartment on the cooler intake near the left headlight.</p> <p>The connections for the anti-theft warning system are protected against moisture by adhesive tape.</p>
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4. Connect the pin connector -1- to the anti-theft warning system connection.

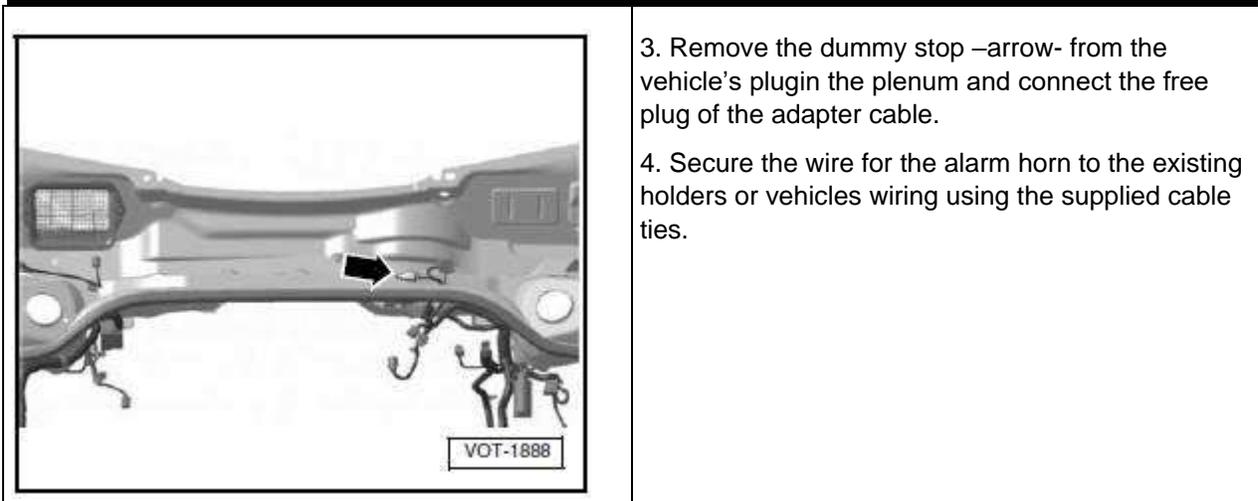
5. Secure the wire for the contact switch to the existing holders or vehicle wiring using the supplied cable ties.

1.2 Retrofitting the alarm horn –H12- for the anti-theft alarm horn

	<ol style="list-style-type: none">1. Mount the alarm horn -1- in the middle of the vehicle's plenum chamber using the supplied installing material -3-. See Repair Group 96 in Elsa.2. Connect the plug -2- of the supplied adaptor cable to the alarm horn.
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**1.3 Uploading the vehicle software**

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- Select the operating mode “Guided Trouble Finding” and then the respective vehicle within the vehicle diagnostics, measurement and information system VAS 6150/X & VAS 6160/X and ODIS Service with current online.
- After querying the control units, select the “Functions/component selection” via the button “Jump” and then sequentially the following options:
 - Software version management
 - Adapting software
 - Perform conversion / retrofit

- Enter the 5 character action code “35CBE”

After the code is entered the online connection is created and the software update is carried out.

- After updating the software, disconnect the vehicles diagnostics, measurement and information system VAS 6150/X & VAS 6160/X and ODIS Service with current online updates and perform a function test of the anti-theft alarm system.



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Genuine anti-theft alarm system retrofit kit: 5C6998003 Jetta

Installation of the horn in the plenum chamber

Required special tools, test and measuring equipment:

- Vehicle diagnostic tester with latest Odis-Baseline version
- Battery charger MTRMSP0702 battery maintainer/charger



Note:

A charger with at least 70A charging current MUST be used in order to avoid problems during software updates and flash campaign/actions.

Installation process:



Note:

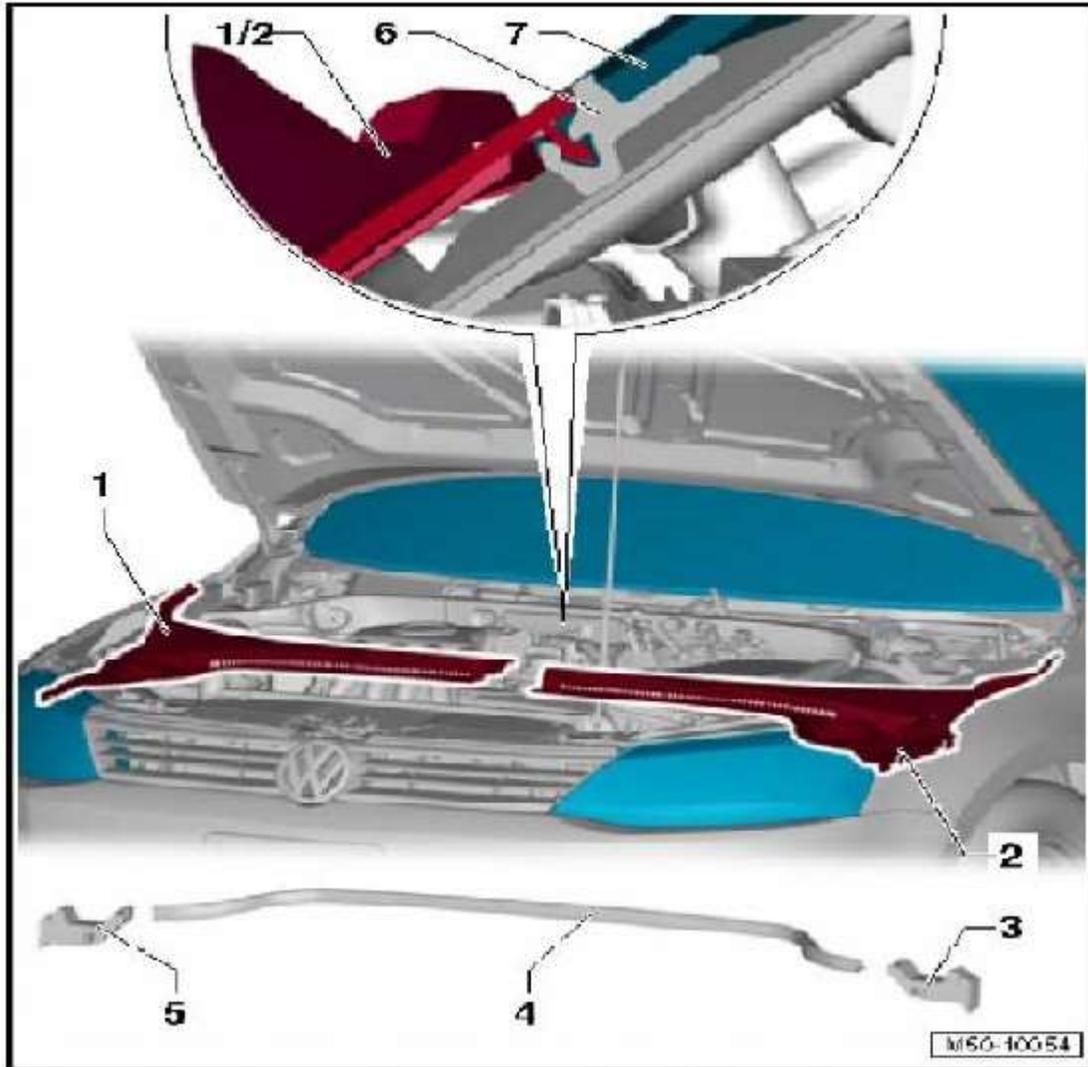
The Genuine anti-theft alarm retrofit kit must be installed by an authorized workshop. Special tools are needed for the installation as well as detailed, vehicle specific manuals. Incorrect installation may lead to damage to the vehicle.

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**1.1 Access to plenum chamber:**

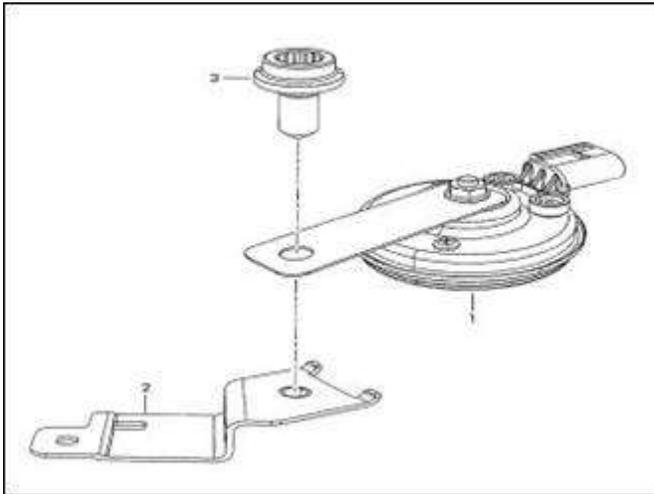
- Remove the wiper arms with wiper puller T10369/1
- Remove seal (4) from the plenum chamber covers (1) and (2)
- Lift off the plenum chamber covers (1) and (2), starting at the edge of the windshield using your hands. Work your hands along the windshield and then along the sides to the retainer (6)
- Remove the driver side plenum cover forward and then away from the car
- Remove the bracket that holds the lines for the spray nozzles from the passenger side plenum cover (1)
- Remove the passenger chamber cover forward and then away from the car

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**Note:**

Do not use a screwdriver, a wedge or any other prying tool to pry off the plenum chamber covers -1- and -2-. This could damage the windshield, which could later crack.

1.2 Assemble the alarm and alarm bracket

- Assemble the alarm and bracket.
- Tighten the threaded connection to 10Nm.



- Attach the alarm horn harness to the horn, and attach horn assembly to the bracket in the center of the plenum.
- Tighten the threaded connection to 10Nm.



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- Route the horn harness underneath the wiper assembly and attach the horn harness to the loose connector near the wiper motor.



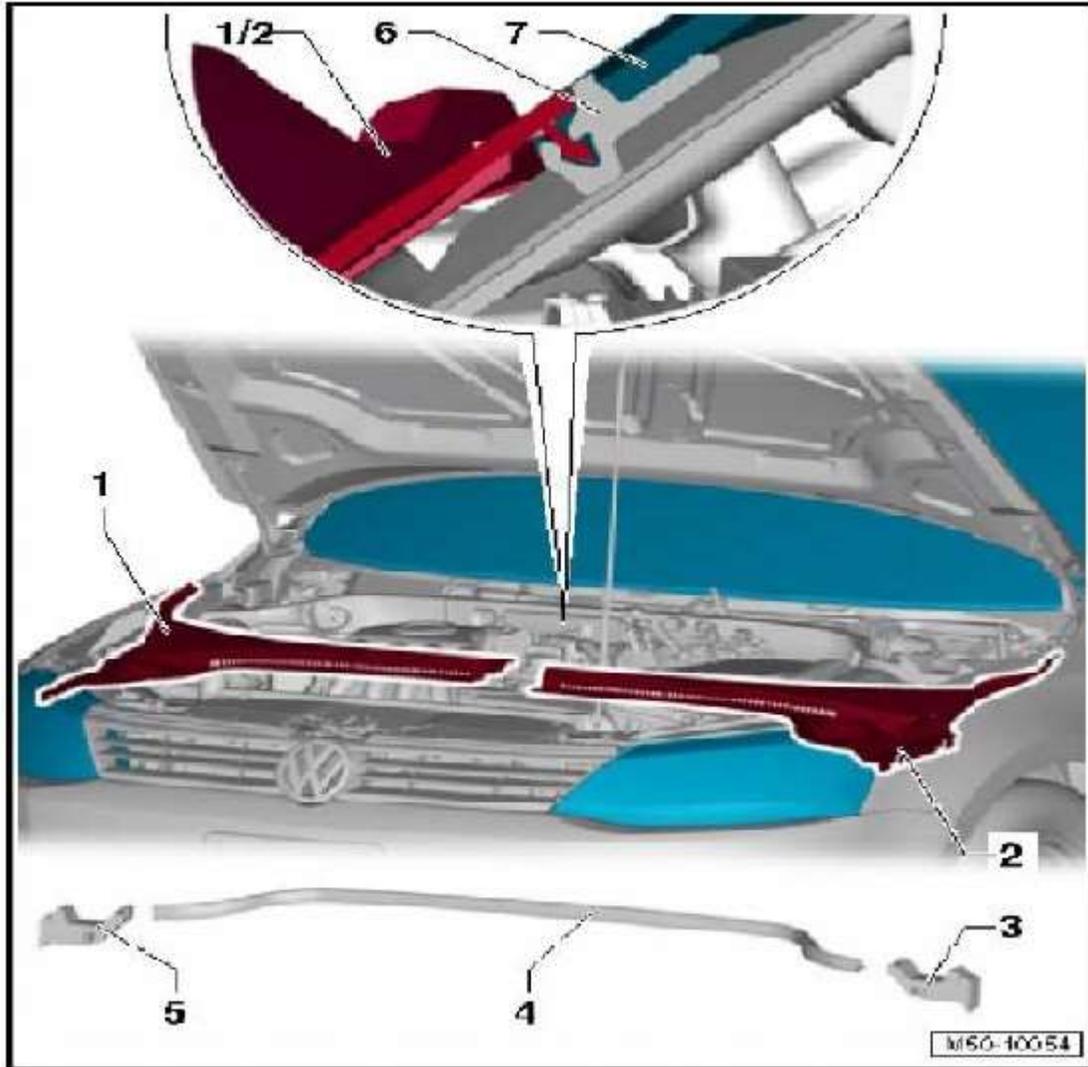
- Secure the horn alarm harness to the plenum using plastic straps included in the kit.



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1.3 Reassemble plenum cover:



- Spray the retainer (6) with soapy water to make it easier to install the plenum chamber covers
- Insert the flange of the right plenum chamber cover (1) between the windshield and the fender
- Make sure the clip on the right plenum chamber cover (1) fits correctly into the top of the cross member
- Position the right plenum chamber cover (1) on the retainer (6) and then, starting in the middle, press it into the retainer (6)

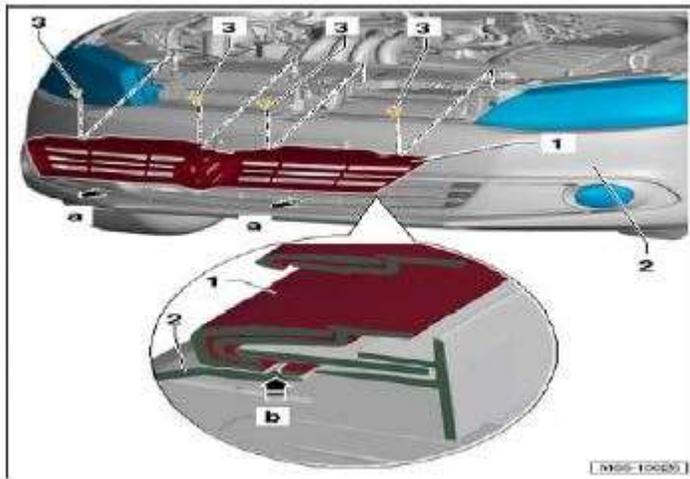


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- Remove the bracket that holds the lines for the spray nozzle from the right plenum chamber cover (1)
- Insert the flange on the left plenum chamber cover (2) between the windshield and the fender
- Make sure the clip on the left plenum cover (2) fits correctly into the top of the cross member
- Position the left plenum chamber cover (2) on the retainer (6), and then starting in the middle, press it into the retainer (6)
- Install the seal (3) and the wiper arms

Installation of hood latch



- Remove the four bolts holding the grille in place, and pull it straight out from the car.



- Disconnect the hood release bowden cable.

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- Remove the two bolts holding the hood latch in place. Remove the hood latch and disconnect the hood release cable.



- Install the new hood latch that is equipped with an alarm switch and run the hood-lock harness inside the frame by the radiator.

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- Use a piece of mechanic's wire to draw the hood-lock harness through the opening next to the radiator and into the engine compartment.



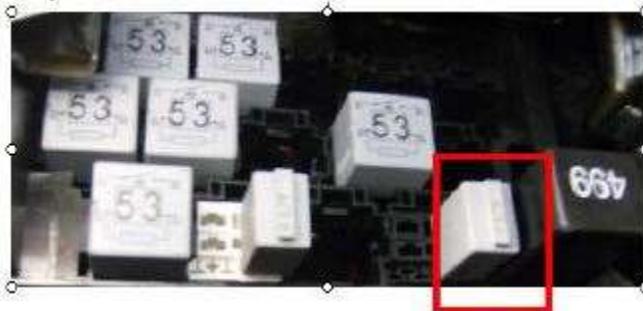
- Locate the vehicle hood-lock harness connector. It has a dummy plug attached to it, and is in the area below the power steering reservoir. Attach the hood-lock harness and place the connector in the clip located on the radiator support.

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- Reconnect the hood bowden cable.

Relay Position

- Make sure the Alarm Horn Relay is in Position 14 of the relay carrier on the vehicle Electrical System Control Module (alarm horn relay will most likely will be in this position)

The Body Control Module (BCM) must be updated. Your 5051B must have software from Volkswagen CD v.18.06.00. The standby voltage of the vehicle must be 12.5V minimum during the update. Connect an external source of power to the vehicle battery.

**Note:**

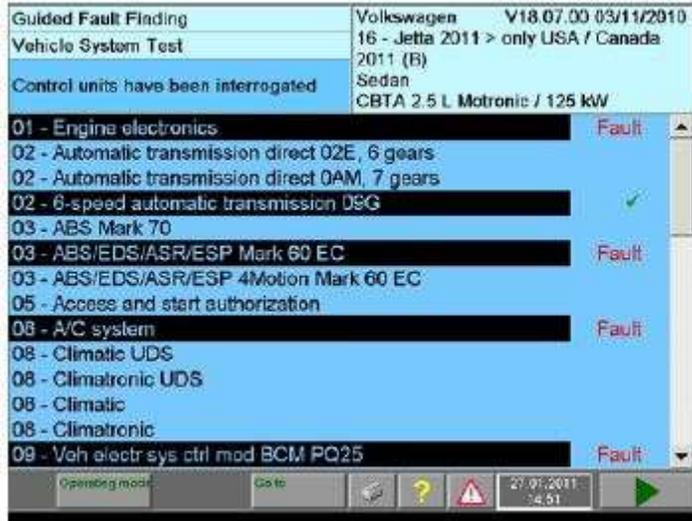
Make sure no sources of electromagnetic radiation is present (phones or other wireless devices) in the vehicle or its immediate vicinity during the update.

- Connect the VAS-5051B to the vehicle diagnostic OBD port and turn the ignition on. Make sure that the diagnostic tool is online.
- Select Guided Fault Finding and identify the vehicle.



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- Start the vehicle test system with the forward button and press the Function/Component selection button.

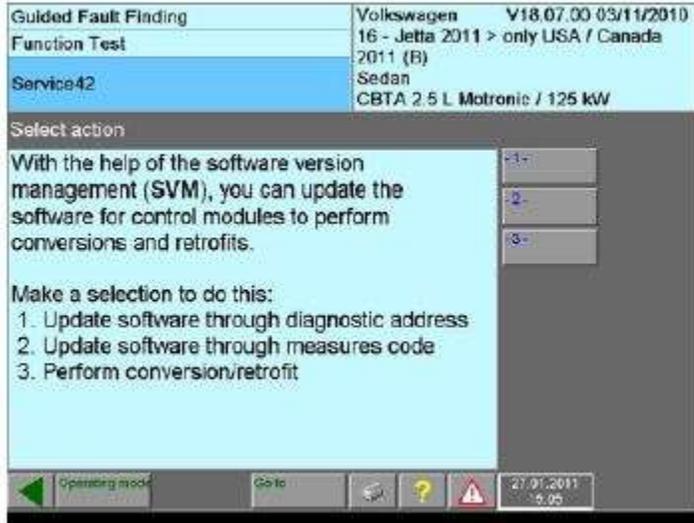


- Select software version management (SVM) button and then select Adapting Software. Start the program with the forward button. Follow the instructions on screen.

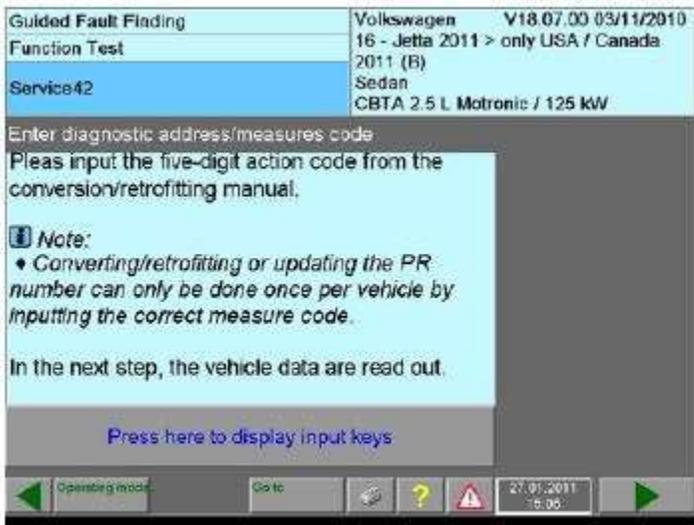


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- The equipment conversion takes place through the Function Test. Select 3: Perform conversion/retrofit

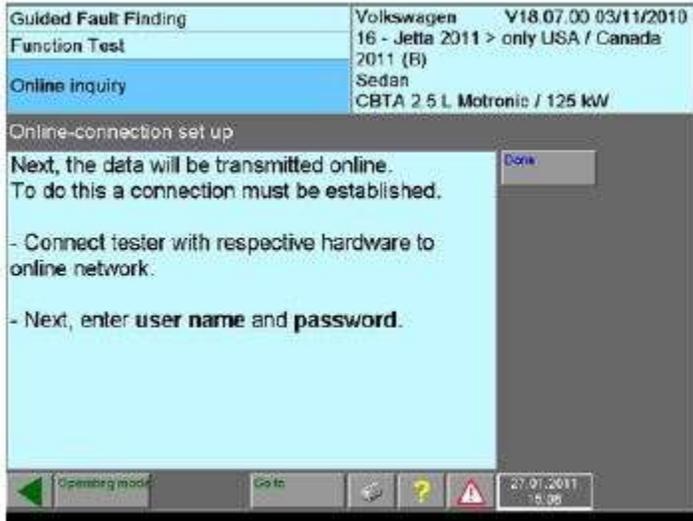


- You will be asked to input the five-digit code from the conversion/retrofitting manual. Activate the keyboard and enter the action code: 3370E.
- Confirm your entry with “Q”.
- Follow the instructions on the screen.

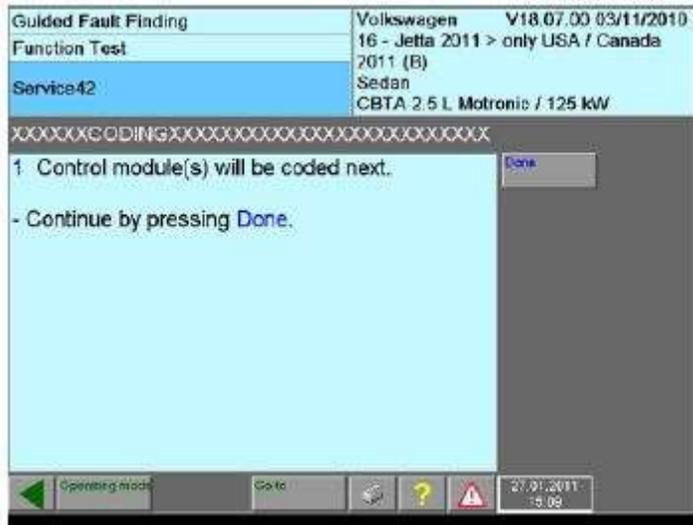


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- The 5051B will remind you that the tester must be on-line. You will then need to enter your user name and password to continue.

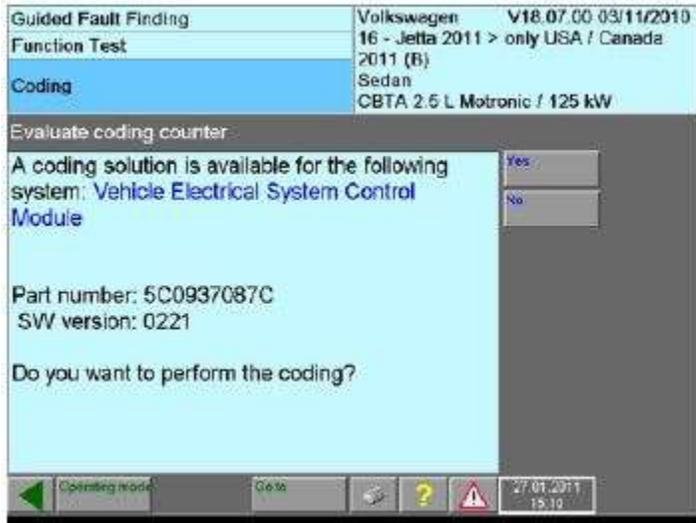


- After accepting the user name and password, the tester will ask if you want to code the control module. Press Done.

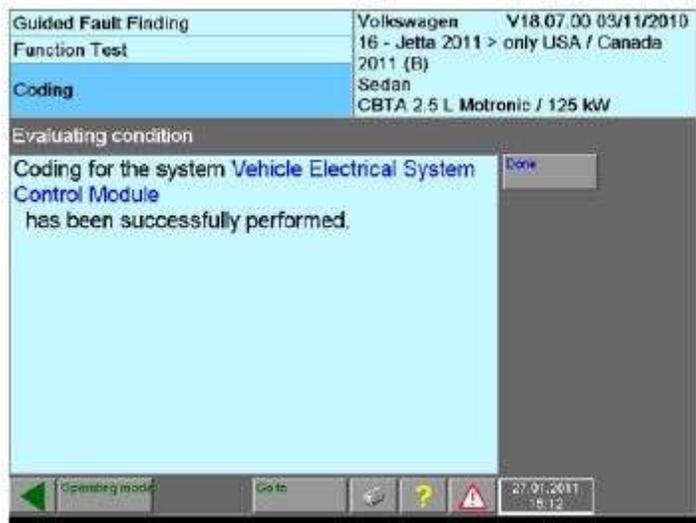


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- The 5051B identifies the part number of the Electrical System Control Module and identifies the software version. It asks if you want to perform the coding. Press Yes.



- After the coding has been completed, exit Guided Fault Finding mode. The fault memory will be automatically erased.
- Disconnect the tester. Put the driver's window down, remove the key and then lock the door using the key fob to set the alarm. Open the door using the inside door handle. The alarm will sound. Put the key into the ignition to turn off the alarm.



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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Jetta GLI , Passat	2012-2014	All	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
6953	0010	--		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	Passat			TX6 ²⁾	
	Jetta GLI			3ME ²⁾	
Labor Operation ³⁾ : Install Alarm Kit			90501999 = 50 TU		
Labor Operation ³⁾ : Install Air Bag Control Unit (Jetta GLI)			69531900 = 50 TU		
Labor Operation ³⁾ : Install Air Bag Control Unit (Passat)			69531900 = 70 TU		
Causal Part: Air Bag Control Unit			5C0959655		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 30 TU max.				YES
Road Test	01210002 = 00 TU				NO
	01210004 = 00 TU				
Technical Diagnosis	01320000 = 00 TU max.				NO



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Claim Comment: Input “As per Technical Bulletin 2035369” in comment section of Warranty Claim.

- 1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.
- 2) Code per warranty vendor code policy.
- 3) Labor Time Units (TUs) are subject to change with ELSA updates.
- 4) Documentation required per Warranty Policies and Procedures Manual.

Required Parts and Tools

Part No:	Part Description	Quantity
5C6998003	Alarm Kit (Jetta)	1
561054620B	Alarm Kit (Passat)	1
5C0959655*	Air Bag Control Unit	1

* This is a base part number. Please refer to ETKA for color coding.

No Special Tools Required.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.