



Guided Fault Finding

SYSTEM OVERVIEWS





Guided Fault Finding is a function of the **VAS 5051**, which guides you step-by-step through a specific repair procedure.

Guided Fault Finding is not available with the **VAS 5052**. **Vehicle Self-Diagnosis** must be used.



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Guided Fault Finding is a very simple way to:

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Guided Fault Finding is a very simple way to:

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- Replace an **Engine Control Module (ECM)**



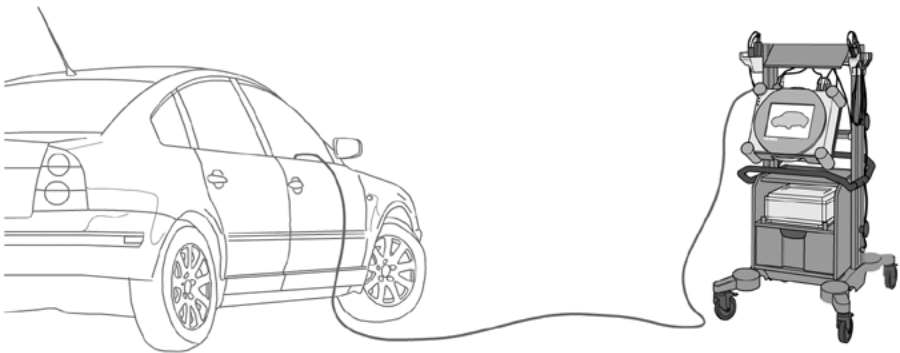
When working on the **Immobilizer System**,
Guided Fault Finding is a very simple way to:

- Exchange an **Instrument Cluster**
- Replace an **Engine Control Module (ECM)**
- Adapt keys to the vehicle





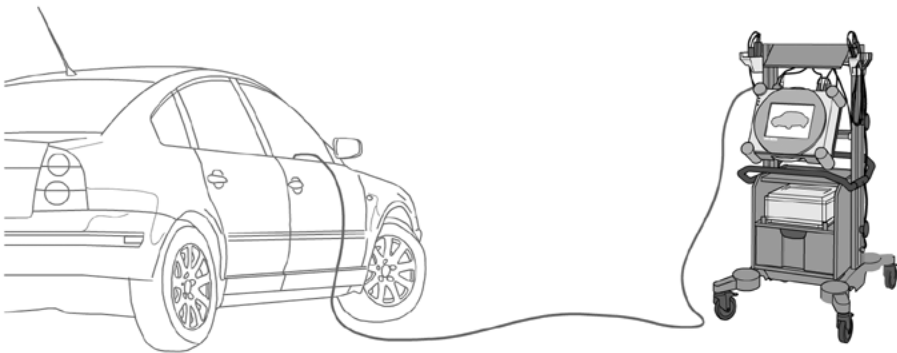
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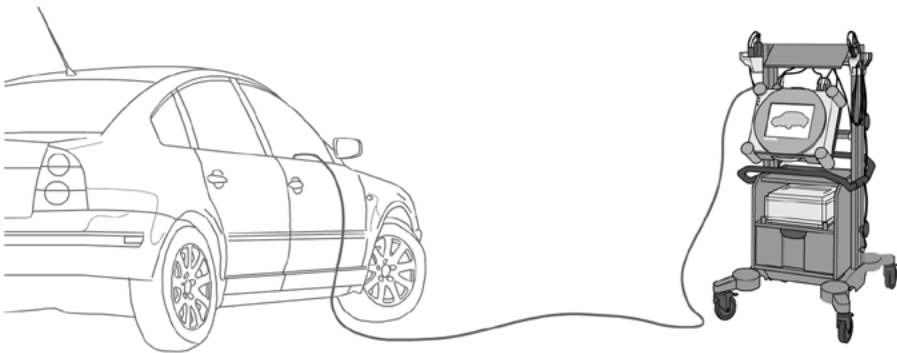
- The **Vehicle Identification Number (VIN)** from the component.



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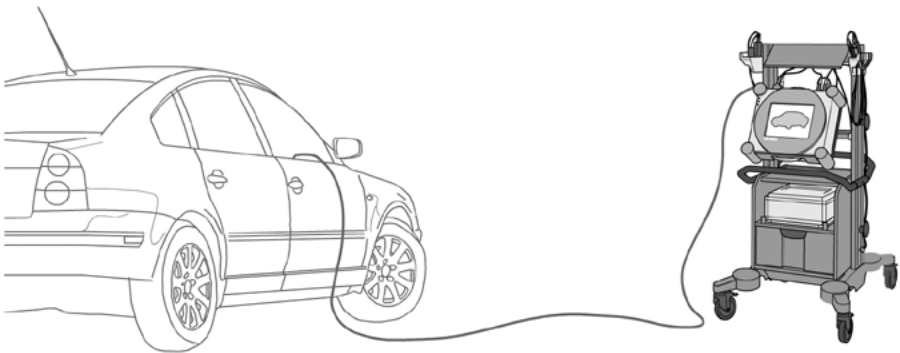
The **Guided Fault Finding** process stores information in the **VAS 5051** such as:

- The **Vehicle Identification Number (VIN)** from the component.
- The **Immobilizer Identification Number** from the component.



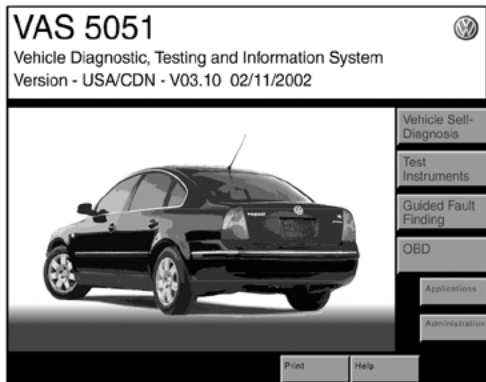


After the component is replaced, The **VAS 5051** will then automatically input this information into the new component.



To use **Guided Fault Finding**:

- Select **Guided Fault Finding** from the main **VAS 5051** menu.

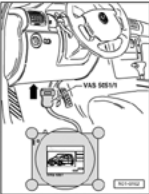


To use **Guided Fault Finding**:

- Select **Guided Fault Finding** from the main **VAS 5051** menu.

You will be asked to provide vehicle information, verify vehicle information, connect the scan tool to the vehicle and turn the ignition ON.

Guided Fault Finding	Volkswagen V03.33 03/25/2002
Vehicle System Test	Passat 1998 > only USA/Canada
VAS 5051 Connect to vehicle	2002 (2) Estate ATQ 2.8 L Motronic / 142kW



- Connect VAS 5051 tester using VAS 5051/1 or VAS 5051/3 diagnostic cable as follows.
- Connect diagnostic cable connector to Data Link Connector (DLC)
- Now switch ignition on

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After the vehicle is connected to the **VAS 5051** scan tool, all of the control modules will be scanned for **DTCs**.

It may take a few minutes to complete this process.

Guided Fault Finding	Volkswagen V03.33 03/25/2002
Vehicle System Test	Passat 1998 > only USA/Canada 2002 (2)
Control units have been interrogated	Estate ATQ 2.8 L Motronic / 142kW
Motronic Engine Management System	
5-speed Automatic Transmission 01V	
ABS/EDL - Bosch 5.3 syncro	
ABS/EDL/ASR - Bosch 5.3	
ABS/EDL/ASR/ESP - Bosch 5.3	
ABS/EDL/ASR/ESP - Bosch 5.3 syncro	
Airbag - without side airbag	
Airbag - with side airbag	
Airbag - with side airbag and head-level airbag	
Climatronic	
Dash panel insert	
Diagnostic interface from drivetrain data-bus	
Conv. system 10.00> door control modules (DCMs) front	
Conv. sys. 10.00> DCM front with anti-theft warning system	
Test Instruments	Vehicle Self-Diagnosis
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After the control modules have been scanned,

- Select **Dash Panel Insert**.

This is the first step in getting you to the **Immobilizer System** component replacement/adaptation.

Guided Fault Finding	Volkswagen V03.33 03/25/2002				
Vehicle System Test	Passat 1998 > only USA/Canada 2002 (2)				
Control units have been interrogated	Estate ATQ 2.8 L Motronic / 142kW				
Motronic Engine Management System 5-speed Automatic Transmission 01V					
ABS/EDL - Bosch 5.3 syncro ABS/EDL/ASR - Bosch 5.3 ABS/EDL/ASR/ESP - Bosch 5.3 ABS/EDL/ASR/ESP - Bosch 5.3 syncro					
Airbag - without side airbag Airbag - with side airbag Airbag - with side airbag and head-level airbag Climatronic					
Dash panel insert ESP					
Diagnostic interface fro drivetrain data-bus Conv. system 10.00> door control modules (DCMs) front Conv. sys. 10.00> DCM front with anti-theft warning system					
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Once this is done, select:

- **Go to**
- **Function/Component Selection**

Guided Fault Finding	Volkswagen	V03.33 03/25/2002
Vehicle System Test	Passat 1998 > only USA/Canada	2002 (2)
Control units have been interrogated	Estate	ATQ 2.8 L Motronic / 142 kW

Airbag - with side airbag
Airbag - with side airbag and head-level airbag
Diagnostic interface for drivetrain data-bus
Climatronic
Multi-function steering wheel
Automatic vertical headlight aim control
Radio premium
Radio Premium 6
Dash panel ins
Digital Sound Pa
Seat with memor
Conv. system 10
Conv.sys 10.00>
Conv.system 10:

Go to destination

Cancel

Exit

Function/Component Selection

Function Test Editor

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Vehicle Self-Diagnosis

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A list of **Immobilizer System** options will be displayed.

- Select:
 - **Body**
 - **Electrical equipment**
 - **01 - On Board Diagnostic (OBD) capable systems**
 - **Immobilizer**
 - **Functions**

Guided Fault Finding	Volkswagen V03.33 03/25/2002
Function / Component Selection	Passat 1998 > only USA/Canada 2002 (2)
Select function or component	Estate ATQ 2.8 L Motronic / 142 kW
Body (Repair Group 01; 27; 50 to 97)	
Electrical equipment	
01 - On Board Diagnostic (OBD) capable systems	
Immobilizer	
Functions	
Adaptation for replacement of Engine Control Module (ECM)	
Adaptation of ignition keys	
Procedure when ignition key has been lost	
Adapt dash panel insert	
Data card	
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A list of **Immobilizer System** options will be displayed.

These options will lead you step-by-step through the process, automatically remembering important information to pass on to the new component.

Guided Fault Finding	Volkswagen V03.33 03/25/2002
Function / Component Selection	Passat 1998 > only USA/Canada 2002 (2)
Adapting ignition keys	Estate ATQ 2.8 L Motronic / 142 kW

NOTE

Next, you will be guided through the functions

- Adapting anti-theft immobilizer to Engine Control Module (ECM)
- Adapting ignition keys.

Done

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Vehicle Self-Diagnosis

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Guided Fault Finding takes the guesswork out of replacing or adapting **Immobilizer System** components, making the repair much easier.

