

## **Airbag system (with and without side airbag) On Board Diagnostic (OBD)**

### **General Information**

#### **Vehicles ➤ 1997**

The airbag system includes a driver-side airbag, passenger-side airbag, and two front seat belt tensioners. These are ignited centrally by the airbag control module -J234- if the specified activation criteria are met during a crash.

#### **Vehicles 1997 ➤ 1999 : up to VIN 8D XA 200 000**

The airbag system includes a driver-side airbag, passenger-side airbag, two front seat belt tensioners, side airbag, driver's side, side airbag, passenger side, and two or three (1998 and on ) rear seat belt tensioners. If the specified activation criteria are met during a crash, they are ignited centrally by the airbag control module -J234-.

Regardless of the type of crash or crash intensity, the airbag control module sends a "crash signal" to the central locking control module. This function provides passive security. With the help of the central locking system, it unlocks the doors, opens the rear lid and blocks

interior switches when an airbag is triggered.  
Also, interior lighting is switched on. The "crash  
signal" can be checked using the Output  
Diagnostic Test Mode ⇒ [page 01-44](#) .

**1999 vehicles ➤: from VIN 8D XA 200 001**

Airbag system includes: side airbag, passenger-side airbag, two front seat belt tensioners, two front side airbags, two or three rear seat belt tensioners and side curtain airbags. In a crash situation, these are ignited centrally by the airbag control module -J234- when specified triggering criteria are met.

In a crash situation, the control module sends a crash signal to the central locking control module. This function is a passive safety feature. It releases door locks and the rear lid lock via the central locking system if an airbag and/or belt tensioner is triggered. Also, inside door lock switches are blocked and interior lighting is switched on. The "crash signal" can be checked using output Diagnostic Test Mode (DTM) ⇒ [page 01-44](#) .

When the airbags and/or belt tensioners are deployed, the control module will record the DTC "Crash data stored."

Airbag control module -J234- must be replaced following:

- ◆ The 1st driver-side/passenger-side airbag deployment.
  
- ◆ The 3rd time front seat belt tensioners and/or

side airbags are triggered.

For vehicles with airbag 8 (➤10/98) the crash signal cannot be erased using the VAG1551 scan tool after the 3rd deployment.

### All vehicles

The control module detects malfunctions and errors in the airbag system and stores them in permanent memory.

After the ignition is switched on, the airbag Malfunction Indicator Lamp (MIL) -K75- lights for about 4 seconds and then goes out.

- ◆ If the airbag Malfunction Indicator Lamp (MIL) - K75- does not go out after approximately 4 seconds, the voltage supply for the airbag control module -J234- is not OK. Check DTC memory ⇒ [page 01-11](#) .
- ◆ If the airbag Malfunction Indicator Lamp (MIL) - K75- goes out after 4 seconds and then lights again, either the control module is not coded, an incorrect control module has been installed or a malfunction is present. Check DTC memory ⇒ [page 01-11](#) .

### **CAUTION!**

- ◆ **Wiring must only be checked visually!**
- ◆ **Do not perform an electrical continuity check or circuit analysis!**

♦ ***Check wire routing only when ignition is switched off!***

## Airbag system On Board Diagnostic (OBD), initiating

### Requirements

- Power supply and fuses for relevant system OK

⇒ *Electrical Wiring Diagrams, Troubleshooting & Component Locations binder*

- VAG1551 Scan Tool (ST) connected ⇒ [page 01-1](#)
- Ignition switched on

### Notes:

- ◆ *Malfunctions which have only occurred briefly are classified as "Sporadic malfunctions" and are identified by the "/SP" on the right side of the display.*
- ◆ *To eliminate these sporadic malfunctions, erase DTC memory before starting repair work.*
- ◆ *Additional operating instructions can be*

*obtained by pressing the VAG1551 Scan Tool (ST) HELP button.*

- ◆ *The → button is used to advance through the program sequence.*
- Switch printer on by pressing PRINT button (indicator lamp in button lights up).
- Press button -1- to select "Rapid data transfer" operating mode 1.



Rapid data transfer      HELP  
Insert address word XX

↖ Indicated on display

### Address word for the airbag system: 15

- Press buttons -1- and -5- to insert "Airbag" address word 15.

Rapid data transfer      Q  
15 - Airbag

↖ Indicated on display

- Press -Q- button to confirm input.

Rapid data transfer  
Scan Tool sends address word 15

↖ Indicated on display

### Vehicles ➤ 1997:

8A0959655D    Airbag V AUDI    D02 →  
Coding 00766            WSC 06812

↖ Indicated on display after about 5 seconds

### Vehicles 1997 ➤ up to 1999: VIN 8DXA 200 000

8D0959655C    Airbag 7    AUDI D00 →  
Coding 00102            WSC 06812

↖ - Indicated on display after approx. 5 seconds

### Vehicles 1999 ➤: from VIN 8D XA 200 001

8D0959655J    Airbag Front+Side    0004 →  
Coding 01106            WSC 06812

↖ - Indicated on display after approx. 5 seconds:  
Front and side airbag or front and side curtain airbag

Rapid data transfer

HELP

Select function XX

## All vehicles

- Press → button to advance through program sequence.



Indicated on display

### **Note:**

*A list of available functions is printed out when the HELP button is pressed.*

## On Board Diagnostic (OBD) functions

The following functions are possible:

01 - Check Control Module Versions ⇒ [page 01-41](#)

02 - Check DTC Memory ⇒ [page 01-11](#)

03 - Output Diagnostic Test Mode (vehicles 1997 ➤ 1998 only ⇒ [page 01-44](#)) (vehicles 1999 ➤ only ⇒ [page 01-46](#))

05 - Erase DTC Memory ⇒ [page 01-137](#)

06 - End Output ⇒ [page 01-139](#)

07 - Code Control Module ⇒ [page 01-51](#)

08 - Read Measuring Value Block ⇒ [page 01-57](#)

### **Note:**

*Function 03 is only available for vehicles 1997 ➤.*

## Check DTC Memory (scan tool function 02)

### Note:

*The DTC display information is updated only when initiating the On Board Diagnostic (OBD) or "Erase DTC Memory" function 05.*

- Switch printer on by pressing PRINT button (indicator lamp in button lights up).

### Carrying out "Check DTC Memory" function 02

Rapid data transfer      HELP  
Select function XX

↖ Indicated on display

- Press buttons -0- and -2- to select "Check DTC Memory" function 02.

Rapid data transfer      Q  
02 - Check DTC Memory

↖ Indicated on display

- Press -Q- button to confirm input.

X DTC recognized      →

↖ Indicated on display (number of stored Diagnostic Trouble Codes, DTCs).

or:

No DTC recognized      →

↖ If the message "No DTC recognized" is displayed, the program can be returned to the starting point by pressing the → button.

Rapid data transfer

HELP

Select function XX

◀ Indicated on display

If something else is displayed:

⇒ *Scan tool operating instructions*

- Erase DTC Memory (function 05) ⇒ [page 01-137](#) .
- End Output (function 06) ⇒ [page 01-139](#) .
- Disconnect VAG1551 Scan Tool (ST) from Data Link Connector (DLC).

## Diagnostic Trouble Code (DTC) table, airbag system

### Notes:

- ◆ *In the following table, all the possible malfunctions that can be recognized by the airbag control module -J234- are listed according to their DTC code numbers. Existing malfunctions will be printed with their 5-digit DTC only if the VAG1551 printer is switched on.*
- ◆ *If a malfunction occurs persistently, the airbag Malfunction Indicator Lamp (MIL) -K75- will light up and remain lit until the malfunction is repaired and the DTC memory has been erased.*
- ◆ *If a malfunction occurs only occasionally or if the DTC memory is not erased after a malfunction is repaired, the malfunction will be displayed as a sporadic malfunction. Such malfunctions are identified by the letters "/SP" to the right on the VAG1551 display and will cause -K75- to light up continuously.*
- ◆ *Before replacing a component shown as malfunctioning, check the wiring to the component for short or open circuit according to the wiring diagram.*
- ◆ *The three digit malfunction type number appearing next to the DTC is a data code which can be disregarded.*

01-14

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00532</b> Supply voltage B+ Supply voltage too low	<ul style="list-style-type: none"> <li>◆ Battery discharged or faulty</li> <li>◆ Short circuit in vehicle electrical system</li> </ul>	<ul style="list-style-type: none"> <li>- Recharge or replace battery.</li> <li>- Repair short circuit in vehicle electrical system.</li> </ul>
<b>00588</b> Airbag Igniter-Driver Side-N95 Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Spiral spring faulty</li> <li>◆ Driver-side airbag unit faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Check spiral spring.</li> <li>- Replace driver-side airbag unit.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00588</b> Airbag Igniter-Driver Side-N95 Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Spiral spring faulty</li> <li>◆ Driver-side airbag unit faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Check spiral spring.</li> </ul>

		<ul style="list-style-type: none"><li>- Replace driver-side airbag unit.</li><li>- Replace airbag control module -J234-.</li></ul>
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01-15

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00588</b> Drivers side airbag igniter -N95- Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wire damaged</li> <li>◆ Airbag control module -J234- malfunctioning</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-</li> </ul>
<b>00588</b> Drivers side airbag igniter -N95- Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wire damaged</li> <li>◆ Driver-side airbag unit malfunctioning</li> <li>◆ Airbag control module -J234- malfunctioning</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace driver-side airbag unit</li> <li>- Replace airbag control module -J234-</li> </ul>

01-16

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00589</b> Airbag Igniter 1-Passenger Side-N131  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Passenger-side airbag unit faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace passenger-side airbag unit.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00589</b> Airbag Igniter 1-Passenger Side-N131  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Passenger-side airbag unit faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace passenger-side airbag unit.</li> <li>- Replace airbag control module -J234-.</li> </ul>

01-17

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00589</b> Passengers side airbag igniter 1 - N131- Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wire damaged</li> <li>◆ Airbag control module -J234- malfunctioning</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-</li> </ul>
<b>00589</b> Passengers side airbag igniter 1 - N131- Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wire damaged</li> <li>◆ Passenger-side airbag unit malfunctioning</li> <li>◆ Airbag control module -J234- malfunctioning</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace passenger-side airbag unit</li> <li>- Replace airbag control module -J234-</li> </ul>

01-18

V.A.G 1551 print-out	Possible malfunction cause	Corrective action
<b>00589</b> Igniter 1 for airbag (passenger's side) -N131  Short to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Front passenger's airbag unit faulty</li> <li>◆ Airbag control unit -J234 faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair per wiring diagram</li> </ul> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></p> <ul style="list-style-type: none"> <li>- Replace front passenger's airbag unit</li> <li>- Replace airbag control unit -J234</li> </ul>
<b>00591</b> Left Seat Belt Switch -E24  Implausible switch condition	<ul style="list-style-type: none"> <li>◆ Left belt lock switch faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Replace left belt lock switch</li> </ul>
<b>00591</b> Left Seat Belt Switch -E24  Short circuit to positive	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> </ul>	<ul style="list-style-type: none"> <li>- Check and repair wiring harness</li> <li>- Repair per wiring diagram</li> </ul> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></p>
<b>00591</b> Left Seat Belt Switch -E24  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> </ul>	<ul style="list-style-type: none"> <li>- Check and repair wiring harness</li> <li>- Repair per wiring diagram</li> </ul> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp;</i></p>

		<i>Component Locations binder</i>
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01-19

V.A.G 1551 print-out	Possible malfunction cause	Corrective action
<b>00592</b> Right Seat Belt Switch - E25  Implausible switch condition	♦ Right belt lock switch faulty	- Replace right belt lock switch
<b>00592</b> Right Seat Belt Switch - E25  Short circuit to positive	♦ Wiring damaged	- Check and repair wiring harness - Repair per wiring diagram  ⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i>
<b>00592</b> Right Seat Belt Switch - E25  Short circuit to Ground	♦ Wiring damaged	- Check and repair wiring harness - Repair per wiring diagram  ⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i>

01-20

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00594</b> Airbag Ignition Circuit  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00594</b> Airbag Ignition Circuit  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Spiral spring faulty</li> <li>◆ Driver-side airbag faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Check spiral spring.</li> <li>- Replace driver-side airbag unit.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00595</b> Crash Data Stored	<ul style="list-style-type: none"> <li>◆ Frontal collision</li> <li>◆ Side collision</li> </ul>	<ul style="list-style-type: none"> <li>- Replace airbag control module, airbag units, seat belt tensioners and if necessary, faulty components.</li> </ul>

01-21

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00654</b> Seat Belt Tensioner Igniter,L-N153  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Harness connector for left seat belt tensioner igniter disconnected</li> <li>◆ Seat belt tensioner igniter faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Reconnect harness connector.</li> <li>- Replace left seat belt tensioner.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00654</b> Seat Belt Tensioner Igniter,L-N153  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Left seat belt tensioner igniter faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace left seat belt tensioner.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00654</b> Seat Belt Tensioner Igniter,L-N153	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp;</i></li> </ul>



Short circuit to B+		<i>Component Locations binder</i> - Replace airbag control module -J234-.
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01-22

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00654</b> Seat Belt Tensioner Igniter,L-N153  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Left seat belt tensioner igniter faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace left seat belt tensioner.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00655</b> Seat Belt Tensioner Igniter,R-N154  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Harness connector for right seat belt tensioner igniter disconnected</li> <li>◆ Seat belt tensioner igniter faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Reconnect harness connector.</li> <li>- Replace right seat belt tensioner.</li> <li>- Replace airbag control module -J234-.</li> </ul>

01-23

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>00655</b> Seat Belt Tensioner Igniter,R-N154  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Right seat belt tensioner igniter faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace right seat belt tensioner.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00655</b> Seat Belt Tensioner Igniter,R-N154  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>00655</b> Seat Belt Tensioner Igniter,R-N154  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Right seat belt tensioner igniter faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace right seat belt tensioner.</li> </ul>

		- Replace airbag control module -J234-.
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01-24

<b>DTC</b> <b>VAG 1551 scan tool display</b>	<b>Possible cause</b>	<b>Corrective action</b>
<b>01044</b> Control Module incorrectly coded	◆ Control module incorrectly coded for vehicle configuration	- Code airbag control module -J234- appropriately.

01-25

## Vehicles ➤ 1997:

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01025</b> Malfunction Indicator Lamp Faulty  Open circuit to Ground	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Airbag Malfunction Indicator lamp (MIL) -K75-</li> <li>◆ Instrument cluster faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Repair open circuit in wiring.</li> <li>- Replace Malfunction Indicator Lamp -K75-.</li> <li>- Repair instrument cluster.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01025</b> Malfunction Indicator Lamp Faulty  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag Malfunction Indicator lamp (MIL) -K75-</li> <li>◆ Instrument cluster faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace Malfunction Indicator Lamp -K75-.</li> <li>- Repair instrument cluster.</li> <li>- Replace airbag control module -J234-.</li> </ul>

01-26

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01025</b> Malfunction Indicator Lamp Faulty  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-.</li> </ul>

01-27

## Vehicles 1997 ➤ :

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01211</b> Igniter for Belt Tens., Rr., Driver-N196 (sensor for lateral acceleration)  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter -N196- faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N196-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01211</b> Igniter for Belt Tens., Rr., Driver-N196  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter -N196- faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N196-.</li> <li>- Replace airbag control module -J234-.</li> </ul>



01-28

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01211</b> Igniter for Belt Tens., Rr., Driver-N196  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01211</b> Igniter for Belt Tens., Rr., Driver-N196  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N196- faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N196-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01211</b> Igniter for Belt Tens., Rr., Driver-N196  Open circuit	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N196- faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N196-.</li> </ul>

		- Replace airbag control module -J234-.
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01-29

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01212</b> Igniter for Belt Tens., Rr., Pass.-N197  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N197- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N197-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01212</b> Igniter for Belt Tens., Rr., Pass.-N197  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N197- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N197-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01212</b> Igniter for Belt Tens., Rr., Pass.-N197  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> </ul>

		- Replace airbag control module -J234-.
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01-30

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01212</b> Igniter for Belt Tens., Rr., Pass.-N197  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N197- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N197-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01212</b> Igniter for Belt Tens., Rr., Pass.-N197  Open circuit	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N197- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N197-.</li> <li>- Replace airbag control module -J234-.</li> </ul>

01-31

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01213</b> Igniter for Belt Tens., Rr., Ctr.-N198  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N198- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N198-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01213</b> Igniter for Belt Tens., Rr., Ctr.-N198  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N198- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N198-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01213</b> Igniter for Belt Tens., Rr., Ctr.-N198  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> </ul>

		- Replace airbag control module -J234-.
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01-32

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01213</b> Igniter for Belt Tens., Rr., Ctr.-N198  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N198- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N198-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01213</b> Igniter for Belt Tens., Rr., Ctr.-N198  Open circuit	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Seat belt tensioner igniter - N198- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace seat belt tensioner igniter -N198-.</li> <li>- Replace airbag control module -J234-.</li> </ul>



01-33

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01217</b> Side Airbag Igniter, Driver's Side-N199  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Side airbag unit, driver's side faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace side airbag unit, driver's side.</li> <li>- Replace airbag control module -J234-</li> </ul>
<b>01217</b> Side Airbag Igniter, Driver's Side-N199  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Side airbag, driver's side faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace side airbag, driver's side</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01217</b> Side Airbag Igniter, Driver's Side-N199  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> </ul>

		- Replace airbag control module -J234-.
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01-34

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01217</b> Side Airbag Igniter, Driver's Side-N199  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Side airbag, driver's side faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace side airbag, driver's side.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01218</b> Side Airbag Igniter, Pass. Side-N200  Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Side airbag, passenger side faulty</li> <li>◆ Airbag control module - J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace side airbag, passenger side.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01218</b> Side Airbag Igniter, Pass. Side-N200  Resistance value too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Side airbag, passenger side faulty</li> <li>◆ Airbag control module -</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> </ul>

	J234- faulty	<ul style="list-style-type: none"><li>- Replace side airbag, passenger side.</li><li>- Replace airbag control module -J234-.</li></ul>
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01-35

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01218</b> Side Airbag Igniter, Pass. Side-N200  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01218</b> Side Airbag Igniter, Pass. Side-N200  Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Side airbag, passenger side faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace side airbag, passenger side.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01221</b> Crash Sens. Side Airbag Driv. Side-G179 (sensor for lateral acceleration)	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Harness connector for crash sensor</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> </ul>

Open circuit	for side airbag, driver's side disconnected ◆ Crash sensor for side airbag, driver's side -G179 faulty ◆ Airbag control module -J234- faulty	⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i> - Reconnect harness connector. - Replace crash sensor -G179-. - Replace airbag control module -J234-.
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01-36

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01221</b> Crash Sens. Side Airbag Driv. Side-G179 (sensor for lateral acceleration)  Short circuit	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring to B+ or Ground</li> <li>◆ Crash sensor for side airbag, driver's side -G179 faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace crash sensor -G179-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01221</b> Crash Sens. Side Airbag Driv. Side-G179 (sensor for lateral acceleration)  Not authorized	<ul style="list-style-type: none"> <li>◆ Airbag control module -J234- incorrectly coded</li> <li>◆ Control module and crash sensor do not match</li> </ul>	<ul style="list-style-type: none"> <li>- Replace control module -J234-.</li> <li>- Replace crash sensor -G179-.</li> </ul>
<b>01222</b> Crash Sens. Side Airbag Pass. Side-G180 (sensor for lateral acceleration)  Open circuit	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Harness connector for crash sensor for side airbag, passenger side disconnected</li> <li>◆ Crash sensor for side airbag, passenger side -G180- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> </ul>

	◆ Airbag control module -J234- faulty	<ul style="list-style-type: none"><li>- Reconnect harness connector.</li><li>- Replace crash sensor -G180-.</li><li>- Replace airbag control module -J234-.</li></ul>
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01-37

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01222</b> Crash Sens. Side Airbag Pass. Side-G180 (sensor for lateral acceleration)  Short circuit	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring to B+ or Ground</li> <li>◆ Crash sensor for side airbag, passenger side -G180- faulty</li> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram.</li> </ul> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></p> <ul style="list-style-type: none"> <li>- Replace crash sensor -G180-.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01222</b> Crash Sens. Side Airbag Pass. Side-G180 (sensor for lateral acceleration)  Not authorized	<ul style="list-style-type: none"> <li>◆ Airbag control module -J234- incorrectly coded</li> <li>◆ Control module and crash sensor do not match</li> </ul>	<ul style="list-style-type: none"> <li>- Replace control module -J234-.</li> <li>- Replace crash sensor -G180-.</li> </ul>
<b>01223</b> Signal Open Central Locking	<ul style="list-style-type: none"> <li>◆ Airbag control module -J234- faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01280 1)</b> Airbag Passenger Side Switched Off	<ul style="list-style-type: none"> <li>◆ Passenger-side airbag was switched off during adaptation</li> </ul>	<ul style="list-style-type: none"> <li>- Adapt airbag control module -J234- as appropriate.</li> </ul>

01-38

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01578</b> Wng.Light for Airbag Off,Pass. Side-K145  Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace airbag control module -J234-</li> </ul>
<b>01578</b> Wng.Light for Airbag Off,Pass. Side-K145  Open/Short circuit to ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Warning light for airbag off, passenger side -K145- faulty</li> <li>◆ Airbag control module -J234-faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair wiring according to wiring diagram</li> <li>⇒ <i>Electrical Wiring Diagrams, Troubleshooting &amp; Component Locations binder</i></li> <li>- Replace warning light -K145-</li> <li>- Replace airbag control module -J234-</li> </ul>
<b>01588</b> Ign. for Side Curtain Airbag, Driver Side-N251Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Driver-side side curtain airbag faulty</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair open circuit.</li> <li>- Replace driver-side side curtain airbag.</li> <li>- Replace airbag control module -J234-.</li> </ul>

1) Only airbag 7 (from 07.96 on) and airbag 8. The DTC is stored in memory even if the airbag control module -J134- has been adapted appropriately.

01-39

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01588</b> Ign. for Side curtain airbag, Driver Side-N251Resistance vaule too small	<ul style="list-style-type: none"> <li>◆ Short circuit in wiring</li> <li>◆ Driver-side side curtain airbag faulty</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair short circuit.</li> <li>- Replace driver-side side curtain airbag.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01588</b> Ign. for Side curtain Airbag, Driver Side-N251Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair damaged wiring.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01588</b> Ign. for Side curtain Airbag, Driver Side-N251Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Driver-side side curtain airbag faulty</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair damaged wiring.</li> <li>- Replace driver-side side curtain airbag.</li> <li>- Replace airbag control module -J234-.</li> </ul>
<b>01589</b> Igniter for Airbag Pass. Side-N252Resistance value too large	<ul style="list-style-type: none"> <li>◆ Open circuit in wiring</li> <li>◆ Passenger-side side curtain</li> </ul>	<ul style="list-style-type: none"> <li>- Repair open circuit.</li> <li>- Replace passenger-side side</li> </ul>

	airbag faulty ♦ Airbag control module faulty	curtain airbag. - Replace airbag control module -J234-.
<b>01589</b> Igniter for Airbag Pass. Side-N252Resistance vaule too small	♦ Short circuit in wiring ♦ Passenger-side side curtain airbag faulty ♦ Airbag control module faulty	- Repair short circuit. - Replace passenger-side side curtain airbag. - Replace airbag control module -J234-.

01-40

DTC VAG 1551 scan tool display	Possible cause	Corrective action
<b>01589</b> Igniter for Airbag Pass. Side-N252 Short circuit to B+	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair damaged wiring.</li> <li>- Replace airbag control module - J234-.</li> </ul>
<b>01589</b> Igniter for Airbag Pass. Side-N252 Short circuit to Ground	<ul style="list-style-type: none"> <li>◆ Wiring damaged</li> <li>◆ Passenger-side side curtain airbag faulty</li> <li>◆ Airbag control module faulty</li> </ul>	<ul style="list-style-type: none"> <li>- Repair damaged wiring.</li> <li>- Replace passenger-side side curtain airbag.</li> <li>- Replace airbag control module - J234-.</li> </ul>
<b>65535</b> Control Module Malfunctioning		<ul style="list-style-type: none"> <li>- Replace airbag control module - J234-.</li> </ul>

**Note:**

*DTC 65535 "Control Module Malfunctioning" cannot be erased using the VAG1551 Scan Tool (ST).*

## Check Control Module Versions (scan tool function 01)

- Press buttons -0- and -1- to select "Check Control Module Versions" function 01.

Rapid data transfer Q  
01 - Check Control Module Versions

← Indicated on display

- Press -Q- button to confirm input.

### Vehicles ➤ 1997

8A0959655D Airbag V AUDI D02 →  
Coding 00766 WSC 06812

← Indicated on display after about 5 seconds

### Explanation of display

- ◆ 8A0959655D: Part No. of airbag control module
- ◆ Airbag V AUDI: airbag system designation
- ◆ D02: software version of control module for airbag in Audi vehicles
- ◆ Coding 00766: coding for airbag control module. Code Control Module table ⇒ [page 01-52](#) .
- ◆ WSC 06812: dealership number

- Press → button to return to "Select function XX" prompt.

Rapid data transfer HELP  
Select function XX

← Indicated on display

8D0959655C	Airbag 7	AUDI D00	→
Coding 00102		WSC 06812	

### Vehicles 1997 ➤ 1999: up to VIN 8D XA 200 000

↖ Indicated on display after about 5 seconds

#### Explanation of display

- ◆ 8D0959655D: Part No. of airbag control module (front and side airbags)
  - ◆ 8D0959655M: Part No. of airbag control module (front and side airbags)
  - ◆ Airbag 7: airbag system designation
  - ◆ AUDI D00: software version of control modules for Audi vehicles (control module identification No. can also be a 4 digit number)
  - ◆ Coding 00102: coding for airbag control module. Code Control Module table ⇒ [page 01-53](#)
  - ◆ WSC 06812: dealership number
- Press → button to return to "Select function XX" prompt.

Rapid data transfer	HELP
Select function XX	

↖ Indicated on display



8D0959655K Airbag Front+Side D004 →  
Coding 01106                      WSC 06812

### Vehicles 1999 ➤: from VIN 8D XA 200 001



- Indicated on display after approx. 5 seconds:

#### Explanation of display

- ◆ 8D0959655K: Part No. of airbag control module (front and side airbags)
- ◆ 8D0959655G: Part No. of airbag control module (front and side curtain airbags)
- ◆ Airbag front + side: component identification for airbag system

#### Note:

*For vehicles with Airbag 8, display will indicate airbag front + side or airbag front + side curtain in place of Airbag V, Airbag 7.*

- ◆ D004: software version of control module for airbag in Audi vehicles
- ◆ Coding 01106: coding of airbag control module. Coding table ⇒ [page 01-54](#)
- ◆ WSC 06812: dealership number

- Press → button to return to "Select function XX" prompt.

Rapid data transfer                      HELP  
Select function XX



Indicated on display

### Output Diagnostic Test Mode (scan tool function 03) (vehicles 1997 ➤ 1998)

The Output Diagnostic Test Mode is used to check operation of the crash response system. When airbags are triggered, the central locking system unlocks the doors and simultaneously blocks internal switches. Emergency flashers and interior lights are switched on.

#### Notes:

*Before initiating the Output Diagnostic Test Mode, switch central locking system to "closed" by operating internal switch.*

#### Carrying out "Output Diagnostic Test Mode" function 03

Rapid data transfer      HELP  
Select function XX



Indicated on display

- Press buttons -0- and -3- to select "Output Diagnostic Test Mode" function 03.

Rapid data transfer      Q  
03 - Output Diagnostic Test Mode



Indicated on display

- Press -Q- button to confirm input.

Output Diagnostic Test Mode      →  
Signal: Open central locking system



Indicated on display

The central locking system must switch to "open."

Emergency flashers and interior lights switch on.

- Operate internal switch.

Central locking must switch back to "closed."

Output Diagnostic Test Mode →  
END

← Indicated on display

- Press → button.

Rapid data transfer HELP  
Select function XX

← Indicated on display

## Output Diagnostic Test Mode (scan tool function 03) (vehicles 1999 ➤)

### Vehicles up to calendar week (KW) 18.99

Output Diagnostic Test Mode (DTM) is used to check the operation of the crash response system. When airbags are triggered, the central locking system switches immediately to "open" and the inside door lock switches are blocked. Emergency flashers and interior lights are switched on.

#### Notes:

- ◆ *Before initiating output Diagnostic Test Mode (DTM), set the central locking system to "closed" by operating the interior switch.*
- ◆ *Set interior switch to "door contact" position.*
- ◆ *After output DTM is initiated, central locking cannot be operated until the DTC memory of the central locking control module is erased.*

### Carrying out "Output Diagnostic Test Mode" (function 03)



Indicated on display

- Press buttons -0- and -3- to select "Output Diagnostic Test Mode"

Rapid data transfer

HELP

Select function XX

function 03 and press -Q- button to confirm input.

Output Diagnostic Test Mode →  
Signal: Open central locking system



Indicated on display

Central locking must switch to "open."

Emergency flashers and interior lights switch on.

- Operate interior switch. Central locking must not switch to "closed" as long as DTC is still stored in central locking control module.

**Notes:**

- ◆ After this procedure step, DTC 01366 is stored in the DTC memory of the central locking control module.
- ◆ After completion of output Diagnostic Test Mode (DTM), the DTC memory of the central locking control module must be checked and this DTC must be erased ⇒ [page 01-74](#) .

Output Diagnostic Test Mode →  
END



Indicated on display

- Press → button.

Rapid data transfer      HELP  
Select function XX



Indicated on display

### Vehicles from calendar week (KW) 18.99 on

Output Diagnostic Test Mode (DTM) is used to check the operation of the crash response system. When airbags are triggered, the central locking system switches immediately to "open" and the inside door lock switches are blocked. Emergency flashers and interior lights are switched on and the fuel supply is interrupted.

#### Notes:

- ◆ *Before initiating output Diagnostic Test Mode (DTM), set the central locking system to "closed" by operating the interior switch and start the engine.*
- ◆ *Set interior light switch to "door contact" position.*
- ◆ *After output DTM is initiated, central locking cannot be operated until the DTC memory of the central locking control module is erased.*

### Carrying out "Output Diagnostic Test Mode" (function 03)



Indicated on display

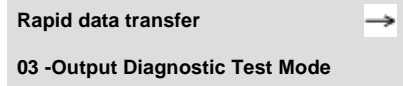
- Press buttons -0- and -3- to select "Output Diagnostic Test Mode" function 03.

Rapid data transfer

HELP


Select function XX





Indicated on display

- Press -Q- button to confirm input.

Output Diagnostic Test Mode   
Signal: Open central locking system

◀ Indicated on display

Engine must stop running

Central locking must switch to "open."

Emergency flashers and interior lights switch on.

- Operate interior switch. Central locking must not switch to "closed" as long as DTC is still stored in central locking control module.

**Notes:**

- ◆ *After this procedure step, DTC 01366 is stored in the DTC memory of the central locking control module.*
- ◆ *After completion of output Diagnostic Test Mode (DTM), the DTC memory of the central locking control module must be checked and this DTC must be erased ⇒ [page 01-74](#) .*
- ◆ *Several DTCs will be stored in the DTC memory of the Engine Control Module (ECM) after this procedure.*
- ◆ *After completing output Diagnostic Test Mode (DTM), the DTC memory of the Engine Control Module (ECM) must be checked and erased. This procedure varies depending on the fuel injection and ignition system installed in the vehicle. Refer to Repair Group 01 of the appropriate repair manual ⇒ DTC memory, checking and erasing.*
- ◆ *Depending on engine type, fuel shut-off is a running-change as of KW 18.99.*

◆ *If engine does not stop running, check if fuel shut-off was accomplished in Engine Control Module (ECM).*

⇒ *Electrical Wiring Diagrams, Troubleshooting & Component Locations binder*

◆ *If engine does not stop running, but fuel shut-off was accomplished in the Engine Control Module (ECM), check wire to Engine Control Module (ECM).*

⇒ *Electrical Wiring Diagrams, Troubleshooting & Component Locations binder*

Output Diagnostic Test Mode →  
END



Indicated on display

- Press → button.

Rapid data transfer HELP  
Select function XX



Indicated on display

## Code Control Module (scan tool function 07)

### **Notes:**

- ◆ *Control modules are supplied uncoded.*
- ◆ *An uncoded control module will cause the airbag Malfunction Indicator Lamp (MIL) -K75- to light up continuously.*
- ◆ *The coding procedure is carried out using the VAG1551 Scan Tool (ST).*

If no coding appears on the VAG1551 Scan Tool (ST), or if a new control module has been installed, carry out the coding procedure as follows:

Rapid data transfer      **HELP**  
Select function XX

Rapid data transfer      **Q**  
07 - Code Control Module

Code Control Module  
Enter code number XXXXX      (0-32000)

### Carrying out "Code Control Module" function 07

- ⏪ Indicated on display
  - Press buttons -0- and -7- to select "Code Control Module" function 07.
- ⏪ Indicated on display
  - Press -Q- button to confirm input.
- ⏪ Indicated on display
  - Enter coding for airbag control module using keypad:

**Vehicles** ➤ 1997:

#### Coding table for airbag control module

System variation	Coding
Driver and passenger-side airbag active, both belt tensioners active	00127

**Vehicles 1997 ➤ 1999 up to VIN 8D XA 200  
000:**

**Coding table for airbag control module**

<b>System variation</b>	<b>Coding</b>
Vehicles with front airbags, front side airbags and front belt tensioner	00102
Vehicles with front airbags, front side airbags, front belt tensioner and 2 rear belt tensioners	00104
Vehicles with front airbags, front side airbags, front belt tensioner and 3 rear belt tensioners	00106
Vehicles with front airbags, and front belt tensioners	00002
Vehicles with front airbags, front belt tensioners and 2 rear belt tensioners	00004
Vehicles with front airbags, front belt tensioners and 3 rear belt tensioners	00006

01-54

Vehicles 1999 ➤: from VIN 8D XA 200 001 on

### Coding table for airbag control module

Airbag system		Coding
Airbag 8	Vehicles with front airbags, front side airbags, front seat belt tensioners, two rear seat belt tensioners	00104
Airbag 8	Vehicles with front airbags, front side airbags, front seat belt tensioners, three rear seat belt tensioners	00106
Airbag 8	Vehicles with front airbags, front side airbags, front seat belt tensioners, side curtain airbags two rear seat belt tensioners	00304
Airbag 8	Vehicles with front airbags, front side airbags, front seat belt tensioners, side curtain airbags three rear seat belt tensioners	00306

Code Control Module **Q**  
Enter code number 00104 (0-32000)

← Indicated on display (e.g. 00104)

- Press -Q- button to confirm input.

8D0959655K Airbag Front+Side D00 →  
Coding 00104 WSC 06812

← - Indicated on display (control module identification will appear on display together with coding that has been entered, e.g. 00104).

Rapid data transfer      HELP  
Select function XX

- Press → button.

← Indicated on display

- Press buttons -0- and -6- to select "End Output" function 06.

Rapid data transfer      Q  
06 - End Output

← Indicated on display

- Press -Q- button to confirm input.

Rapid data transfer      HELP  
Input address word XX

← Indicated on display



Code Control Module Q  
Enter code number 00102 (0-32000)



Indicated on display (e.g. 00102):

- Press -Q- button to confirm input.

8D0959655C Airbag 7 AUDI D00 →  
Coding 00102 WSC 06812



- Display indicates control module identification with coding input (e.g. 00102).

#### Notes:

- ◆ Coding 00102, 00104 and 00106 can only be used for control module number "8D0959655D" or "8D0959655M."
- ◆ Explanation of display ⇒ [page 01-41](#) .
- Push → button.

Rapid data transfer HELP  
Select function XX



Indicated on display

- Press buttons -0- and -6- to select "End Output" function 06.  
This ends the function.

Rapid data transfer Q  
06 - End Output



Indicated on display

- Press -Q- button to confirm input.

Rapid data transfer Help  
Insert address word XX



Indicated on display

## Read Measuring Value Block (scan tool function 08)

### Note:

*The current airbag system condition can be determined by using the "Read Measuring Value Block" function 08.*

### Carrying out "Read Measuring Value Block" function 08

Rapid data transfer      HELP  
Select function XX



Indicated on display

- Press buttons -0- and -8- to select "Read Measuring Value Block" function 08.

Rapid data transfer      Q  
08 - Read Measuring Value Block



Indicated on display

- Press -Q- button to confirm input.

Read Measuring Value Block  
Input display group number XXX



Indicated on display

- Press buttons -0-, -0- and -1- to input display group number 1 (001).
- Press -Q- button to confirm input.