

Electronic Stabilization Program (ESP) DTC table

Notes:

- ◆ *Fulfill test requirements ⇒ [page 01-22](#) .*
- ◆ *Connect the VAG1551 Scan Tool (ST) and select "Brake Electronics" via address word 03 ⇒ [page 01-4](#)*
- ◆ *Check the control module version ⇒ [page 01-231](#) and press the → button.*
- ◆ *Press buttons -0- and -2- to select "Check DTC Memory" function 02. Press -Q- button to confirm input.*
- ◆ *Each malfunction is assigned a 5-digit Diagnostic Trouble Code (DTC). The DTC is located in the left column of the DTC table. If you have switched the printer on by pressing the "PRINT" button, the VAG1551 scan tool (ST) prints the message identifying the malfunction and the DTC. Otherwise, DTCs are not displayed by the VAG1551 scan tool.*
- ◆ *The contents of DTC memory remain stored until memory is erased, ⇒ [page 01-15](#) .*
- ◆ *Sporadically occurring malfunctions are identified via indication of "/SP" on the right-hand side of the display.*
- ◆ *Static malfunctions that cannot be detected when the vehicle is stationary are also identified with "/SP" if the ignition has been switched off and then on again.*
- ◆ *The following DTC table includes all the DTCs that can be stored by the ABS control module -J104- and displayed and printed out by the VAS5051 tester or VAG1551 scan tool. Malfunctions are listed by DTC number.*

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DTC table; DTCs from 00000 to 00526

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
<p>00000</p> <p>No malfunction recognized!</p> <p>If this display appears, process is concluded. No DTCs are stored in DTC memory.</p> <p>If there are still problems or malfunctions anyway, check the following points:</p> <p>See continuation on next page</p>	<ul style="list-style-type: none"> ◆ If one or more indicator lamps light up anyway, one of the wires that activates the indicator lamps may be malfunctioning. ◆ Missing signal from parking brake warning light switch -F9-. (parking brake set or released). ◆ Missing signal from brake light switch -F. 	<ul style="list-style-type: none"> - See section "Overview of indicator lamp functions" ⇒ page 01-222 . ◆ Check the parking brake warning light switch -F9-. - "Read measuring value block" function 08 ⇒ page 01-256 , display group 2. ◆ Check the brake light switch -F. - "Read measuring value block" function 08 ⇒ page 01-256 , display group 2.

01-358

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00000 No malfunction recognized! Continuation:	<ul style="list-style-type: none"> ◆ The zero position learned by the steering angle sensor -G85- during straight-ahead driving in the zeroing procedure has become misadjusted. <p>If no malfunction can be found, and there is still a problem, there may be a mechanical malfunction (e.g. solenoid valve sticking).</p>	<ul style="list-style-type: none"> ◆ Check the zero position of the steering angle sensor -G85-. - "Read measuring value block" function 08 ⇒ page 01-256 , display group 2, 5 - Expand troubleshooting to include the "Electrical test" ⇒ page 01-301 .
00257 Left front ABS inlet valve -N101-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit -N55- and ABS control module -J104-. ◆ Left front ABS inlet valve -N101- malfunctioning ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "electrical test", steps 1 + 13 ⇒ page 01-318 , and ⇒ page 01-323 - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.

01-359

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00259 Right front ABS inlet valve -N99-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Right front ABS inlet valve -N99- malfunctioning. ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "electrical test", steps 2 +14 ⇒ page 01-318 and ⇒ page 01-323 - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.
00265 Left front ABS outlet valve -N102-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Left front ABS outlet valve -N102- malfunctioning. ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 1 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00267 Right front ABS outlet valve -N100-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Right front ABS outlet valve -N100- malfunctioning ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 2 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.
00273 Right rear ABS inlet valve -N133-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Right rear ABS inlet valve -N133- malfunctioning ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "electrical test", steps 4 +16 ⇒ page 01-318 and ⇒ page 01-323 - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00274 Left rear ABS inlet valve -N134-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Left rear ABS inlet valve -N134- malfunctioning ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "electrical test", steps 3 +15 ⇒ page 01-318 and ⇒ page 01-323 - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.
00275 Right rear ABS outlet valve -N135-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Right rear ABS outlet valve -N135- malfunctioning. ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 4 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00276 Left rear ABS outlet valve -N136-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit and ABS control module -J104-. ◆ Left rear ABS outlet valve -N136- malfunctioning ◆ ABS control module -J104- malfunctioning 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 3 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If no problems are found after implementing the specified steps, replace the control module.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00283 Left front ABS wheel speed sensor -G47- Implausible signal	<ul style="list-style-type: none"> ◆ Left rear ABS wheel speed sensor - G47- installed incorrectly. ◆ ABS wheel speed sensor rotor dirty or damaged. ◆ Excessive wheel bearing play. ◆ ABS wheel speed sensor -G47- malfunctioning. ◆ Short circuit to Ground (GND). 	<ul style="list-style-type: none"> - Check installation of ABS wheel speed sensor. ⇒ Repair Manual, Brake System, Repair Group 45 - Check rotor, clean or replace ⇒ Repair Manual, Brake System, Repair Group 45 - Replace wheel bearing ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 40 - "Read measuring value block" display group 1 ⇒ page 01-256 . - Carry out "Electrical test", step 7 ⇒ page 01-318 .
00283 Left front ABS wheel speed sensor -G47-	<ul style="list-style-type: none"> ◆ Incorrect control module ◆ Open circuit or short circuit to B+ in 	<ul style="list-style-type: none"> - Check control module identification ⇒ page 01-231 . - If nothing is displayed during "Read measuring value

Open circuit/short circuit to B+	wiring between ABS wheel speed sensor -G47- and ABS control module -J104-.	block", and no malfunction could be determined in the wiring or the ABS wheel speed sensor, replace the ABS control module -J104-.
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01-364

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00285 Right front ABS wheel speed sensor -G45- Implausible signal or: Right front ABS wheel speed sensor -G45- Open circuit/short circuit to B+	<ul style="list-style-type: none"> ◆ Left rear ABS wheel speed sensor - G45- installed incorrectly. ◆ ABS wheel speed sensor rotor dirty or damaged. ◆ Excessive wheel bearing play. ◆ ABS wheel speed sensor -G45- malfunctioning. ◆ Short circuit to Ground (GND). <ul style="list-style-type: none"> ◆ Incorrect control module ◆ Open circuit or short circuit to B+ in wiring between ABS wheel speed sensor -G45- and ABS control module - J104-. 	<ul style="list-style-type: none"> - Check installation of ABS wheel speed sensor. ⇒ Repair Manual, Brake System, Repair Group 45 - Check rotor, clean or replace ⇒ Repair Manual, Brake System, Repair Group 45 - Replace wheel bearing ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 40 - "Read measuring value block", display group 1 ⇒ page 01-256 . - Carry out "Electrical test", step 8 ⇒ page 01-318 - Check control module version ⇒ page 01-231 . - If nothing is displayed during "Read measuring value block", and no malfunction could be determined in the wiring or the ABS wheel speed sensor, replace the ABS control module -J104-.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00287 Right rear ABS wheel speed sensor -G44- Implausible signal or: Right rear ABS wheel speed sensor -G44- Open circuit/short circuit to B+	<ul style="list-style-type: none"> ◆ Left rear ABS wheel speed sensor - G44- installed incorrectly. ◆ ABS wheel speed sensor rotor dirty or damaged. ◆ Excessive wheel bearing play. ◆ ABS wheel speed sensor -G44- malfunctioning. ◆ Short circuit to Ground (GND). ◆ Open circuit or short circuit to B+ in wiring between ABS wheel speed sensor -G44- and ABS control module - J104-. 	<ul style="list-style-type: none"> - Check installation of ABS wheel speed sensor. ⇒ Repair Manual, Brake System, Repair Group 45 - Check rotor, clean or replace ⇒ Repair Manual, Brake System, Repair Group 45 - Replace wheel bearing ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 42 - "Read measuring value block", display group 1 ⇒ page 01-256 . - Carry out "Electrical test", step 10 ⇒ page 01-318 - If nothing is displayed during "Read measuring value block", and no malfunction could be determined in the wiring or the ABS wheel speed sensor, replace the ABS control module -J104-.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00290 Left rear ABS wheel speed sensor -G46- Implausible signal or: Left rear ABS wheel speed sensor -G46- Open circuit/short circuit to B+	<ul style="list-style-type: none"> ◆ Left rear ABS wheel speed sensor - G46- installed incorrectly. ◆ ABS wheel speed sensor rotor dirty or damaged. ◆ Excessive wheel bearing play. ◆ ABS wheel speed sensor -G46- malfunctioning. ◆ Short circuit to Ground (GND). ◆ Open circuit or short circuit to B+ in wiring between ABS wheel speed sensor -G46- and ABS control module - J104-. 	<ul style="list-style-type: none"> - Check installation of ABS wheel speed sensor. ⇒ Repair Manual, Brake System, Repair Group 45 - Check rotor, clean or replace ⇒ Repair Manual, Brake System, Repair Group 45 - Replace wheel bearing ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 42 - "Read measuring value block", display group 1 ⇒ page 01-256 . - Carry out "Electrical test", step 9 ⇒ page 01-318 - If nothing is displayed during "Read measuring value block", and no malfunction could be determined in the wiring or the ABS wheel speed sensor, replace the ABS control module -J104-.

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00301 ABS return flow pump -V39 - Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Short circuit to B+ or Ground (GND) in one of the activation wires. ◆ Voltage supply for ABS return flow pump relay - J105-, terminal 30. ◆ ABS return flow pump relay -J105- or ABS hydraulic unit -N55- malfunctioning. 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 23 ⇒ page 01-323 . - Carry out "Electrical test", step 24 ⇒ page 01-323 .

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00301 Continuation: ABS return flow pump - V39 - Implausible signal	<ul style="list-style-type: none"> ◆ Open circuit or short circuit to Ground (GND) from ABS return flow pump relay -J105- (terminal 87) to the ABS control module -J104- (terminal 20) and the ABS hydraulic unit -N55- (terminal 14). ◆ Open circuit or short circuit to B+ in the Ground (GND) supply of the ABS return flow pump. 	<ul style="list-style-type: none"> - Carry out "Electrical test", step 24 ⇒ page 01-323 . - Fix the wiring problem. <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p>

01-371

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00302 ABS solenoid valve relay -J106- Continuation:	<ul style="list-style-type: none"> ◆ Voltage supply too low for ABS solenoid valve relay -J106- (terminal 30). ◆ ABS solenoid valve relay -J106- or ABS hydraulic unit -N55- malfunctioning. 	- Carry out "Electrical test", step 22 ⇒ page 01-323 .

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00526 Continuation: Brake light switch -F- Implausible signal See continuation on next page	<ul style="list-style-type: none"> ◆ The brake light switch is not adjusted correctly. ◆ Open circuit/short circuit to B+ or Ground (GND) in wiring between brake light switch - F- and the ABS control module -J104-. ◆ Brake light switch malfunctioning. 	<ul style="list-style-type: none"> - Check brake light switch, "Read measuring value block", display group 2 ⇒ page 01-256 Note: The brake light switch must be adjusted exactly. - Check wiring between brake light switch -F- and the ABS control module -J104-. Carry out "Electrical test", step 26 ⇒ page 01-323 . - If the malfunction cannot be fixed. replace the brake light switch. ⇒ Repair Manual, Brake System, Repair Group 46

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00526 Brake light switch -F- Implausible signal Continuation:	<ul style="list-style-type: none"> ◆ ABS control module -J104- malfunctioning ◆ Master brake cylinder malfunctioning. ◆ Brake booster malfunctioning 	<ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45 - Check the master brake cylinder, and replace if necessary. ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 47 - Check the brake booster, and replace if necessary. ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 47

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DTC table; DTCs from 00532 to 01421

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
<p>00532</p> <p>Voltage supply</p> <ul style="list-style-type: none"> ◆ This malfunction affects the voltage supply of the control module. ◆ This DTC is only stored, if it occurs the first time the vehicle exceeds 6 km/h. ◆ As soon as the supply voltage is again within the valid voltage range, the system is switched back on and the warning lights turn off. <p>See continuation on next page</p>	<ul style="list-style-type: none"> ◆ Open circuit or resistance too high between voltage supply of terminal 15 and ABS control module -J104- (terminal 1). ◆ Open circuit or resistance too high in the Ground (GND) supply to ABS control module -J104- (terminals 28 and 29). ◆ Voltage jumps in vehicle system. 	<ul style="list-style-type: none"> - "Read measuring value block" function 08 ⇒ page 01-256 , display group 6. - Carry out "Electrical test", step 21 ⇒ page 01-323 ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - Check Generator (GEN) and Voltage Regulator (VR). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - Check battery ⇒ Repair Manual, Electrical Equipment, Repair Group 27, Battery

01-376

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00532 Continuation: Voltage supply Signal too small <ul style="list-style-type: none"> ◆ This malfunction affects the voltage supply of the control module. ◆ This DTC is only stored, if it occurs the first time the vehicle exceeds 6 km/h. ◆ As soon as the supply voltage is again within the valid voltage range, the system is switched back on and the warning lights turn off. 	<ul style="list-style-type: none"> ◆ Open circuit or resistance too high between voltage supply of terminal 15 and ABS control module -J104- (terminal 1). ◆ Open circuit or resistance too high in the Ground (GND) supply to ABS control module -J104- (terminals 28 and 29). ◆ Voltage jumps in vehicle system. 	<ul style="list-style-type: none"> - "Read measuring value block" function 08 ⇒ page 01-256 , display group 6. - Carry out "Electrical test", step 21 ⇒ page 01-323 <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - Check Generator (GEN) and Voltage Regulator (VR). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - Check battery <p>⇒ Repair Manual, Electrical Equipment, Repair Group 27, Battery</p>

01-377

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
00597 Varying wheel speed impulse	<ul style="list-style-type: none"> ◆ Wheel or tire sizes not the same on all four wheels. ◆ ABS wheel speed sensor rotor dirty or damaged. ◆ Excessive wheel bearing play. ◆ ABS wheel speed sensors -G44-, -G45-, -G46-, and -G47- installed incorrectly. ◆ ABS wheel speed sensors -G44-, -G45-, -G46-, and -G47- malfunctioning 	<ul style="list-style-type: none"> - Check wheel and tire sizes. - Check rotor. ⇒ Repair Manual, Brake System, Repair Group 45 - Check wheel bearing ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 40 ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 42 - Check ABS wheel speed sensors. ⇒ Repair Manual, Brake System, Repair Group 45 - Carry out "electrical test", steps 7 through 10 ⇒ page 01-318 .

01-378

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
00778 Steering angle sensor - G85- no communication	<ul style="list-style-type: none"> ◆ Open circuit or loose contact in data-BUS wires between steering angle sensor -G85- and ABS control module (w/EDL) -J104- <p style="text-align: center;">Check specified values of:</p> <ul style="list-style-type: none"> ◆ Steering angle sensor -G85- ◆ Steering angle sensor -G85- malfunctioning 	<ul style="list-style-type: none"> - Check fuses, wires and harness connectors as well as voltage supply to the control module: ⇒ test step no. 13 ⇒ page 01-323 - Read measuring value block, function 08 ⇒ page 01-256 , display group number 004 - Replace steering angle sensor. <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <ul style="list-style-type: none"> - Code the ABS control module (w/EDL) - J104- ⇒ page 01-234 - Then perform zeroing procedure ⇒ page 01-243

01-379

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
00778 Steering angle sensor - G85- Not adjusted or incorrectly adjusted	<ul style="list-style-type: none"> ◆ Steering angle sensor -G85- is not sending adjustment values or is sending incorrect values 	<ul style="list-style-type: none"> - Zero the steering angle sensor ⇒ page 01-243
00778 Steering angle sensor - G85- Mechanical malfunction	<ul style="list-style-type: none"> ◆ The steering angle sensor -G85- is not installed correctly. ◆ Vehicle alignment is not OK ◆ Steering wheel was removed and zeroing was not performed afterward. 	<ul style="list-style-type: none"> - Check installed position of the steering angle sensor ⇒ Repair Manual, Brake System, Repair Group 45 - Perform vehicle alignment. ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 44; Vehicle alignment - Then perform zeroing procedure ⇒ page 01-243

01-380

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
00778 Steering angle sensor -G85- Implausible signal	<ul style="list-style-type: none"> ◆ The steering angle sensor -G85- is not installed correctly. ◆ Zero position calibration is not OK ◆ Vehicle alignment is not OK 	<ul style="list-style-type: none"> - Check installed position of steering angle sensor -G85- ⇒ Repair Manual, Brake System, Repair Group 45 - Perform vehicle alignment. ⇒ Repair Manual, Suspension, Wheels, Steering, Repair Group 44; Vehicle alignment - Then perform zeroing procedure ⇒ page 01-243
00778 Steering angle sensor -G85- malfunctioning	<ul style="list-style-type: none"> ◆ Steering angle sensor -G85- is malfunctioning 	<ul style="list-style-type: none"> - Replace steering angle sensor. ⇒ Repair Manual, Brake System, Repair Group 45 - Then perform zeroing procedure ⇒ page 01-243

01-381

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01044 Control module incorrectly coded	<ul style="list-style-type: none"> ◆ The ABS control module (w/EDL) - J104- is either not coded or incorrectly coded. 	<ul style="list-style-type: none"> - Code the ABS control module (w/EDL) -J104- ⇒ page 01-234
01119 Gear recognition signal	<p>Data is transferred between the ABS control module -J104- and the Transmission Control Module (TCM) via the CAN-bus.</p> <ul style="list-style-type: none"> ◆ A DTC was stored in the Transmission Control Module (TCM). 	<p>For more information, see the section titled "CAN-bus" ⇒ page 01-25 .</p> <ul style="list-style-type: none"> - Check DTC memory of Transmission Control Module (TCM). Fix the malfunction according to the appropriate Repair Manual and erase the DTC memory of the Transmission Control Module (TCM).

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01203 ABS / instrument cluster electrical connection Open circuit/short circuit to Ground (GND) See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in wire from instrument cluster combination processor -J218- to ABS control module -J104- ◆ Short circuit to Ground (GND) in wire from instrument cluster combination processor -J218- to ABS control module -J104- 	<ul style="list-style-type: none"> - Check wires between instrument cluster combination processor -J218- (green connector, terminal 11) and the ABS control module -J104- (terminal 32). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i>

01-383

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
<p>01203</p> <p>ABS / instrument cluster electrical connection</p> <p>Open circuit/short circuit to Ground (GND)</p> <p>Continuation:</p> <p>See continuation on next page</p>	<p>◆ ABS control module - J104- malfunctioning.</p> <p>Note: Only replace the control module as a last resort.</p> <p>◆ Instrument cluster combinator processor - J218- malfunctioning.</p> <p>Note: Only replace the control module as a last resort.</p>	<p>- For vehicles with automatic climate control: if wiring is OK, check the TIM signal (standing time signal) with the ABS control module connected and disconnected using the measuring value blocks for the A/C control module -J301-. If the signal is recognized by the A/C control module -J301-, replace the ABS control module -J104-.</p> <p>⇒ Repair Manual, Heating & Air Conditioning, Repair Group 01</p> <p>- If the ABS control module -J104- still does not recognize the TIM signal, replace the instrument cluster combination processor -J218-.</p>

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01203 ABS / instrument cluster electrical connection Open circuit/short circuit to Ground (GND) Continuation: See continuation on next page	♦ A/C control module - J301- malfunctioning. Note: Only replace the control module as a last resort.	- If the TIM signal is also not recognized by the A/C control module -J301-, disconnect the A/C control module -J301- and check the TIM signal by reading the measuring value blocks for the ABS control module. - "Read measuring value block" function 08 ⇒ page 01-256 - If the signal is recognized by the ABS control module -J104- now, replace the A/C control module -J301-.

01-387

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01314 Engine Control Module (ECM) Control difference	◆ The Engine Control Module (ECM) is not able to reduce engine torque.	- Replace the ABS/ESP control module -J104- after conferring with the product department of your distributor or with the responsible importer.
01316 Brake control module Control difference	◆ It took longer than 5 seconds for an ESP adjustment.	- Replace the ABS/ESP control module -J104- after conferring with the product department of your distributor or with the responsible importer.

01-388

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01418 Pilot valve -1- traction control -N225-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit -N55- and ABS control module -J104-. ◆ Pilot valve -1- traction control -N225- malfunctioning. 	<ul style="list-style-type: none"> - Carry out "electrical test", step 5 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If the suggested steps do not lead to a localization of the malfunction, replace the ABS control module (w/EDL) -J104-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>
01419 Pilot valve -2- traction control -N226-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit -N55- and ABS control module -J104-. ◆ Pilot valve -2- traction control -N226- malfunctioning. 	<ul style="list-style-type: none"> - Carry out "electrical test", step 5 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If the suggested steps do not lead to a localization of the malfunction, replace the ABS control module (w/EDL) -J104-.

		⇒ Repair Manual, Brake System, Repair Group 45
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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01420 High pressure switch valve -1- traction control -N227-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit - N55- and ABS control module -J104-. ◆ High pressure switch valve -1- traction control - N227- malfunctioning. 	<ul style="list-style-type: none"> - Carry out "electrical test", step 6 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If the suggested steps do not lead to a localization of the malfunction, replace the ABS control module (w/EDL) -J104-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>
01421 High pressure switch valve -2- traction control -N228-	<ul style="list-style-type: none"> ◆ Open circuit, short circuit to B+ or Ground (GND) in wiring between ABS hydraulic unit - N55- and ABS control module -J104-. ◆ High pressure switch valve -2- traction control - N228- malfunctioning. 	<ul style="list-style-type: none"> - Carry out "electrical test", step 6 ⇒ page 01-318 . - If the electrical test does not reveal any malfunctions, check all wiring and connectors for loose contacts. - If the suggested steps do not lead to a localization of the malfunction, replace the ABS control module (w/EDL) -J104-.

		⇒ Repair Manual, Brake System, Repair Group 45
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01-391

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01422 Hydraulic pump for traction control -V156- Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Short circuit to Ground (GND) in hydraulic pump for traction control -V156-. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	<ul style="list-style-type: none"> - If you do not find a problem in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-, replace hydraulic pump for traction control -V156-. ⇒ Repair Manual, Brake System, Repair Group 45 - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-392

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01422 Continuation: Hydraulic pump for traction control -V156- Short circuit to B+ See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-. ◆ Short circuit to B+ in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-. 	<ul style="list-style-type: none"> - Check wiring between hydraulic pump for traction control -V156- and ABS control module -J104- for open circuit. - Check wiring between hydraulic pump for traction control -V156- and ABS control module -J104- for short to B+. ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i>

01-393

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01422 Hydraulic pump for traction control -V156- Short circuit to B+ Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit or short circuit to B+ in hydraulic pump for traction control -V156-. ◆ ABS control module -J104- malfunctioning <p>Note: Only replace the control module as a last resort.</p>	<p>- If you do not find a problem in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-, replace hydraulic pump for traction control -V156-.</p> <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <p>- If the malfunction cannot be fixed, replace the ABS control module -J104-.</p> <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-394

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01422 Continuation: Hydraulic pump for traction control -V156- Open circuit/short circuit to Ground (GND)	<ul style="list-style-type: none"> ◆ Short circuit to Ground (GND) in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-. ◆ Short circuit to Ground (GND) in hydraulic pump for traction control -V156-. ◆ ABS control module -J104- malfunctioning <p>Note: Only replace the control module as a last resort.</p>	<ul style="list-style-type: none"> - Check wiring between hydraulic pump for traction control -V156- and ABS control module -J104- for short to Ground (GND). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If you do not find a problem in wiring between hydraulic pump for traction control -V156- and ABS control module -J104-, replace hydraulic pump for traction control -V156-. ⇒ Repair Manual, Brake System, Repair Group 45 - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-396

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01423 Sensor for transverse acceleration -G200- Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in signal line to sensor for transverse acceleration -G200-. ◆ Short circuit to B+ or Ground (GND) in signal line to sensor for transverse acceleration -G200-. ◆ Sensor for transverse acceleration - G200- malfunctioning. ◆ ABS control module -J104- malfunctioning <p>Note: Only replace the control module as a last resort.</p>	<ul style="list-style-type: none"> - Check signal line between sensor for transverse acceleration -G200 (terminal 2) and ABS control module -J104- (terminal 18). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - If none of the causes listed are causing the malfunction, replace sensor for transverse acceleration -G200-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-398

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01423 Sensor for transverse acceleration -G200- Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in signal line to sensor for transverse acceleration -G200-. ◆ Short circuit to B+ or Ground (GND) in signal line to sensor for transverse acceleration -G200-. ◆ Sensor for transverse acceleration - G200- malfunctioning. ◆ ABS control module -J104- malfunctioning <p>Note: Only replace the control module as a last resort.</p>	<ul style="list-style-type: none"> - Check signal line between sensor for transverse acceleration -G200 (terminal 2) and ABS control module -J104- (terminal 18). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - If none of the causes listed are causing the malfunction, replace sensor for transverse acceleration -G200-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-399

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01423 Sensor for transverse acceleration -G200- Failure in electrical circuit Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in signal line to sensor for transverse acceleration -G200-. ◆ Short circuit to B+ or Ground (GND) in signal line to sensor for transverse acceleration -G200-. ◆ Sensor for transverse acceleration - G200- malfunctioning. 	<ul style="list-style-type: none"> - Check signal line between sensor for transverse acceleration -G200 (terminal 2) and ABS control module -J104- (terminal 18). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If none of the causes listed are causing the malfunction, replace sensor for transverse acceleration -G200-. ⇒ Repair Manual, Brake System, Repair Group 45

01-400

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01423 Continuation: Sensor for transverse acceleration -G200- Failure in electrical circuit See continuation on next page	<ul style="list-style-type: none"> ◆ There is an open circuit in one of the supply wires for the sensor for transverse acceleration -G200-. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	<ul style="list-style-type: none"> - Check Ground (GND) between sensor for transverse acceleration -G200 (terminal 1) and ABS control module -J104- (terminal 19). - Check voltage supply between sensor for transverse acceleration -G200 (terminal 3) and -J104- ABS control module (terminal 75). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-401

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01423 Sensor for transverse acceleration -G200- Failure in electrical circuit Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in signal line to sensor for transverse acceleration -G200-. ◆ Short circuit to B+ or Ground (GND) in signal line to sensor for transverse acceleration -G200-. ◆ Sensor for transverse acceleration - G200- malfunctioning. 	<ul style="list-style-type: none"> - Check signal line between sensor for transverse acceleration -G200 (terminal 2) and ABS control module -J104- (terminal 18). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If none of the causes listed are causing the malfunction, replace sensor for transverse acceleration -G200-. ⇒ Repair Manual, Brake System, Repair Group 45

01-402

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01423 Sensor for transverse acceleration -G200- Failure in electrical circuit Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ There is an open circuit in one of the supply wires for the sensor for transverse acceleration -G200-. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	<ul style="list-style-type: none"> - Check Ground (GND) between sensor for transverse acceleration -G200 (terminal 1) and ABS control module -J104- (terminal 69). - Check voltage supply between sensor for transverse acceleration -G200 (terminal 3) and - J104- ABS control module (terminal 67). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-406

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01423 Sensor for transverse acceleration -G200- Implausible signal Continuation: (Second) See continuation on	<ul style="list-style-type: none"> ◆ There is an open circuit in one of the supply wires for the sensor for transverse acceleration -G200-. ◆ Sensor for transverse acceleration - G200- malfunctioning. 	<ul style="list-style-type: none"> - Check Ground (GND) between sensor for transverse acceleration -G200 (terminal 1) and ABS control module -J104- (terminal 19). - Check voltage supply between sensor for transverse acceleration -G200 (terminal 3) and - J104- ABS control module (terminal 75). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <p>If none of the causes fit:</p> <ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Road test vehicle ⇒ page 01-250 - If malfunction occurs again, replace sensor for transverse acceleration -G200-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

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01-407

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01423 Sensor for transverse acceleration -G200- Implausible signal Continuation: See continuation on	Second: The zero position of steering angle sensor -G85- is within the specified range, and the zero position of sensor for transverse acceleration -G200- is not within the specified range: <ul style="list-style-type: none"> ◆ There is an open circuit in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. ◆ There is short circuit to B+ or Ground (GND) in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort.	 <ul style="list-style-type: none"> - Check the signal wire for the combined sensor for rotation rate and transverse acceleration, terminal 4, to the ABS control module -J104- (terminal 18). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

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01-409

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01423 Sensor for transverse acceleration -G200- Implausible signal Continuation: See continuation on next page	Third: The zero position of steering angle sensor -G85- is not within the specified range, and the zero position of sensor for transverse acceleration -G200- is not within the specified range: - Follow the procedures from the first and second cases.	

01-410

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01423 Sensor for transverse acceleration -G200- Implausible signal Continuation:	<p>Fourth:</p> <p>The zero position of steering angle sensor -G85- is within the specified range, and the zero position of sensor for transverse acceleration -G200- is within the specified range:</p> <p>◆ Sensor for transverse acceleration - G200- malfunctioning.</p> <p>◆ ABS control module -J104- malfunctioning</p> <p>Note: Only replace the control module as a last resort.</p>	<p>- Erase DTC memory ⇒ page 01-15</p> <p>- End Output ⇒ page 01-16 .</p> <p>- Road test vehicle ⇒ page 01-250</p> <p>- If malfunction occurs again, replace sensor for transverse acceleration -G200-.</p> <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <p>- If the malfunction cannot be fixed, replace the ABS control module -J104-.</p> <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-411

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01424 Sender for rotation rate - G202-, signal wire Failure in electrical circuit See continuation on next page	For control modules 4B0 907 389, the VAG1551 scan tool with test card 7 and the VAG1552 scan tool with test card 4 display the following incorrect text: "Sender for rotation rate -G202-, reference wire". <ul style="list-style-type: none"> ◆ Open circuit in signal wire of sender for rotation rate -G202-. ◆ Short circuit to B+ or Ground (GND) in signal wire to sender for rotation rate - G202-. ◆ Sender for rotation rate -G202- malfunctioning. 	<ul style="list-style-type: none"> - Check signal line between yaw sensor -G202- (terminal 3) and ABS control module -J104- (terminal 79). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - If none of the causes listed are causing the malfunction, replace yaw sensor -G202-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-412

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01424 Sender for rotation rate - G202-, signal wire Failure in electrical circuit Continuation:	For control modules 4B0 907 389, the VAG1551 scan tool with test card 7 and the VAG1552 scan tool with test card 4 display the following incorrect text: "Sender for rotation rate -G202-, reference wire". ◆ Open circuit in supply line to yaw sensor -G202-. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort.	- Check Ground (GND) between yaw sensor -G202- (terminal 1) and ABS control module -J104- (terminal 80). - Check voltage supply between yaw sensor -G202- (terminal 2) and ABS control module -J104- (terminal 34). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-413

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	<p>WARNING!</p> <p>This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.</p>	
<p>Continuation:</p> <p>01424</p> <p>Yaw sensor -G202-, reference line</p> <p>Failure in electrical circuit</p>	<p>For control modules 8D0 907 389/A/D/E, the VAG1551 scan tool with test card 8 and the VAG1552 scan tool with test card 5 display the following incorrect text: "Sender for rotation rate -G202-, signal wire".</p> <ul style="list-style-type: none"> ◆ Open circuit in reference wire of sender for rotation rate -G202-. ◆ Short circuit to B+ or Ground (GND) in reference line to yaw sensor -G202-. <p>Note:</p> <p><i>The reference line of yaw sensor -G202- carries the reference signal. The reference signal corresponds to the signal the sensor sends to the ABS control module -J104- when the vehicle is traveling straight ahead.</i></p>	<p>- Check reference line between yaw sensor -G202- (terminal 4) and ABS control module -J104- (terminal 78).</p> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p>

01-414

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	<p>WARNING!</p> <p>This is only valid for control modules with no.: 4B0 907 389</p>	
<p>01425</p> <p>Yaw sensor -G202-, reference line</p> <p>Failure in electrical circuit</p>	<p>For control modules 4B0 907 389, the VAG1551 scan tool with test card 7 and the VAG1552 scan tool with test card 4 display the following incorrect text: "Sender for rotation rate - G202-, signal wire".</p> <ul style="list-style-type: none"> ◆ Open circuit in reference wire of sender for rotation rate -G202-. ◆ Short circuit to B+ or Ground (GND) in reference line to yaw sensor - G202-. <p>Note:</p> <p><i>The reference line of yaw sensor -G202- carries the reference signal. The reference signal corresponds to the signal the sensor sends to the ABS control module -J104- when the vehicle is traveling straight ahead.</i></p>	<p>- Check reference line between yaw sensor -G202- (terminal 4) and ABS control module -J104- (terminal 78).</p> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p>

01-415

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
Continuation: 01425 Sender for rotation rate -G202-, signal wire Failure in electrical circuit See continuation on next page	For control modules 8D0 907 389/A/D/E, the VAG1551 scan tool with test card 8 and the VAG1552 scan tool with test card 5 display the following incorrect text: "Sender for rotation rate -G202-, reference wire". <ul style="list-style-type: none"> ◆ There is an open circuit in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. ◆ There is short circuit to B+ or Ground (GND) in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. ◆ Sender for rotation rate -G202- malfunctioning. 	<ul style="list-style-type: none"> - Check the signal wire for the combined sensor for rotation rate and transverse acceleration, terminal 6, to the ABS control module -J104- (terminal 79). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> <ul style="list-style-type: none"> - If none of the causes listed are causing the malfunction, replace yaw sensor -G202-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-416

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01425 Sender for rotation rate - G202-, signal wire Failure in electrical circuit Continuation:	For control modules 8D0 907 389/A/D/E, the VAG1551 scan tool with test card 8 and the VAG1552 scan tool with test card 5 display the following incorrect text: "Sender for rotation rate -G202-, reference wire". ◆ Open circuit in supply line to yaw sensor -G202-. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort.	- Check Ground (GND) between yaw sensor -G202- (terminal 1) and ABS control module -J104- (terminal 80). - Check voltage supply between yaw sensor -G202- (terminal 2) and ABS control module -J104- (terminal 34). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-418

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01435 Sender 1 for brake booster -G201- Continuation: See continuation on next page	<ul style="list-style-type: none"> ◆ Sensor for brake pressure -G201- malfunctioning. ◆ Open circuit in one of the voltage supply wires to sensor for brake pressure -G201-. 	<ul style="list-style-type: none"> - If none of the causes listed are causing the malfunction, replace hydraulic pump for traction control V-156- and sensor for brake pressure -G201-. ⇒ Repair Manual, Brake System, Repair Group 45 - Bleed brake system. ⇒ Repair Manual, Brake System, Repair Group 47 - Check Ground (GND) between sensor for brake pressure -G201- (terminal 1) and ABS control module - J104- (terminal 67). - Check voltage supply between sensor for brake pressure -G201- (terminal 3) and ABS control module - J104- (terminal 69). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i>

01-419

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01435 Sender 1 for brake booster - G201- Continuation: See continuation on next page	♦ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort.	- If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-422

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01435 Continuation: Sender 1 for brake booster -G201- Implausible signal	♦ The hydraulic pump for traction control -V156- was switched on but is not producing more than 2 bar and less than 30 bar of pressure in the master brake cylinder.	<ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Road test vehicle ⇒ page 01-250 - If malfunction occurs again, replace hydraulic pump for traction control - V156- and sensor for transverse acceleration -G201-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <ul style="list-style-type: none"> - Bleed brake system. <p>⇒ Repair Manual, Brake System, Repair Group 47</p>
01435 Sender 1 for brake	♦ Master brake cylinder malfunctioning.	<ul style="list-style-type: none"> - Check the master brake cylinder, and

booster -G201- Implausible signal	◆ Brake booster malfunctioning	replace if necessary. ⇒ Repair Manual, Brake System, Repair Group 47 - Check the brake booster, and replace if necessary. ⇒ Repair Manual, Brake System, Repair Group 47
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01-423

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01435 Continuation: Sender 1 for brake booster -G201- - voltage supply	<ul style="list-style-type: none"> ◆ Voltage supply has a short circuit to B+. ◆ Voltage supply has a short circuit to Ground (GND). ◆ Open circuit in one of the voltage supply wires to sensor for brake pressure -G201-. 	<ul style="list-style-type: none"> - Check Ground (GND) between sensor for brake pressure -G201- (terminal 1) and ABS control module -J104- (terminal 67). - Check voltage supply between sensor for brake pressure -G201- (terminal 3) and ABS control module -J104- (terminal 69). <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p>

01-424

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01464 Brake pressure sensor/lateral acceleration sensor Voltage supply See continuation on next page	<p>If this malfunction is recognized by On Board Diagnostic (OBD), then the voltage supply of sender 1 for brake booster -G201- was not distinguished from the voltage supply for the sensor for transverse acceleration -G200-. Check both components and their wiring.</p> <ul style="list-style-type: none"> ◆ Insufficient voltage supply for sender 1 for brake booster - G201-. ◆ Insufficient voltage supply to sensor for transverse acceleration -G200-. 	<p>If this malfunction is recognized by On Board Diagnostic (OBD), then the voltage supply of sender 1 for brake booster -G201- was not distinguished from the voltage supply for the sensor for transverse acceleration -G200-. Check both components and their wiring.</p> <ul style="list-style-type: none"> - Check the voltage supply lines from the sensor for brake pressure -G201- (terminal 3) to the ABS control module -J104- (terminal 69) for a short circuit to Ground (GND) or B+. - Check the voltage supply lines from the sensor for transverse acceleration -G200- (terminal 3) to the ABS control module - J104- (terminal 75) for a short circuit to Ground (GND) or B+.

01-425

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01464 Brake pressure sensor/lateral acceleration sensor Voltage supply Continuation:	<p>If this malfunction is recognized by On Board Diagnostic (OBD), then the voltage supply of sender 1 for brake booster -G201- was not distinguished from the voltage supply for the sensor for transverse acceleration -G200-. Check both components and their wiring.</p> <ul style="list-style-type: none"> ◆ One of the two sensors is malfunctioning. ◆ ABS control module -J104- malfunctioning <p>Note: Only replace the control module as a last resort.</p>	<p>If you do not find any malfunctions in the voltage supply lines, then:</p> <ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Ignition off - Disconnect one sensor and then the other. - Replace the sensor for which the DTC is no longer recognized after the ignition is switched on. <p>⇒ Repair Manual, Brake System, Repair Group 45</p> <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. <p>⇒ Repair Manual, Brake System, Repair Group 45</p>

01-426

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This DTC is not included in the VAG1551/1552 scan tools	
01486 System function test activated	◆ The ESP driving test was activated	- Perform entire ESP driving and system test ⇒ page 01-250

01-427

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01542 Sender for rotation rate - G202- Implausible signal See continuation on next page	<p>The input signals received by ABS control module -J104- are analyzed by computing programs and checked for plausibility. If the sender for rotation rate -G202- fails, the relevant computing program relies primarily on the steering angle sensor -G85- and the sensor for transverse acceleration -G200-. If you think there is a problem with the sender for rotation rate -G202-, check whether the steering angle sensor -G85- and sensor for transverse acceleration -G200- are OK. These must also be checked.</p> <ul style="list-style-type: none"> - While driving straight ahead ($v < 20$ km/h), check the zero position of the steering angle sensor -G85-, by selecting display group 5 in "Read measuring value block", function 08 ⇒ page 01-256 . - Check the sensor for transverse acceleration -G200- as described in the instructions for "Read measuring value block" function 08 ⇒ page 01-270 , display group 5. <p>There are four possibilities:</p>	

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING!	
01542 Sender for rotation rate - G202- Implausible signal Continuation: See continuation on next page	<p data-bbox="596 548 1220 586">Second: (Also note the fourth possibility)</p> <p data-bbox="596 626 1875 695">The zero position of steering angle sensor -G85- is within the specified range, and the zero position of yaw sensor -G202- is not within the specified range:</p> <div data-bbox="596 873 1150 1073" style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> ◆ Open circuit in signal wire of sender for rotation rate -G202-. ◆ Short circuit to B+ or Ground (GND) in signal wire to sender for rotation rate -G202-. </div> <div data-bbox="1199 873 1885 1097" style="border: 1px solid black; padding: 5px;"> <p data-bbox="1199 873 1885 984">- Check signal line between yaw sensor -G202- (terminal 3) and ABS control module -J104- (terminal 79).</p> <p data-bbox="1199 1024 1885 1097">⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p> </div>	

01-431

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01542 Sender for rotation rate -G202- Implausible signal Continuation: (Second) See continuation on next page	<ul style="list-style-type: none"> ◆ Sender for rotation rate -G202- malfunctioning. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	If none of the causes fit: <ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Road test vehicle ⇒ page 01-250 - If malfunction occurs again, replace yaw sensor -G202-. ⇒ Repair Manual, Brake System, Repair Group 45 <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-432

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	<p>WARNING!</p> <p>This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.</p>	
<p>01542</p> <p>Sender for rotation rate -G202-</p> <p>Implausible signal</p> <p>Continuation:</p>	<p>Second: (Also note the fourth possibility)</p> <p>The zero position of steering angle sensor -G85- is within the specified range, and the zero position of the sensor for transverse acceleration -G200-, or the combined sensor for rotation rate and transverse acceleration, is not within the specified range:</p> <ul style="list-style-type: none"> ◆ There is an open circuit in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. ◆ There is short circuit to B+ or Ground (GND) in one of the signal wires for the combined sensor for rotation rate and transverse acceleration. 	<p>- Check the signal wire for the combined sensor for rotation rate and transverse acceleration, terminal 4, to the ABS control module -J104- (terminal 18).</p> <p>⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i></p>

01-434

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01542 Sender for rotation rate - G202- Implausible signal Continuation: (Second) See continuation on next page	<ul style="list-style-type: none"> ◆ The combined sensor for rotation rate and transverse acceleration is malfunctioning. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	If none of the causes fit: <ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Road test vehicle ⇒ page 01-250 - If malfunction occurs again, replace combined sensor for rotation rate and transverse acceleration. ⇒ Repair Manual, Brake System, Repair Group 45 <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-435

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC		
01542 Sender for rotation rate - G202- Implausible signal Continuation: See continuation on next page	Third: (Also note the fourth possibility) The zero position of steering angle sensor -G85- is not within the specified range, and the zero position of the sensor for transverse acceleration -G200-, or the combined sensor for rotation rate and transverse acceleration, is not within the specified range: - Follow the procedures from the first and second possibilities.	

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING!	
	This is only valid for control modules with no.: 4B0 907 389	
01542 Sender for rotation rate - G202- Implausible signal Continuation: See continuation on next	Fourth: The zero position of steering angle sensor -G85- is within the specified range, and the zero position of sensor for transverse acceleration -G200- is within the specified range: - Check the sender for rotation rate -G202- by selecting the "Read measuring value block" function 08 ⇒ page 01-256 , display group 5, ♦ The yaw sensor -G202- is loose. ♦ Open circuit in signal wire of sender for rotation rate -G202-. ♦ Short circuit to B+ or Ground (GND) in signal wire to sender for rotation rate -G202-.	- Check bolts for yaw sensor -G202-. ⇒ Repair Manual, Brake System, Repair Group 45 - Check signal line between yaw sensor -G202- (terminal 3) and ABS control module -J104- (terminal 79). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i>

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01-437

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01542 Sender for rotation rate -G202- Implausible signal Continuation: (Fourth) See continuation on next page	<ul style="list-style-type: none"> ◆ Open circuit in supply line to yaw sensor -G202-. ◆ Open circuit in test lead of sender for rotation rate - G202-. ◆ Short circuit to B+ or Ground (GND) in test lead of sender for rotation rate -G202-. 	<ul style="list-style-type: none"> - Check Ground (GND) between yaw sensor -G202- (terminal 1) and ABS control module -J104- (terminal 80). - Check voltage supply between yaw sensor -G202- (terminal 2) and ABS control module -J104- (terminal 34). Electrical Wiring Diagrams, Troubleshooting & Component Locations - Check test line between yaw sensor -G202- (terminal 5) and ABS control module -J104- (terminal 77). ⇒ <i>Electrical Wiring Diagrams, Troubleshooting & Component Locations</i>

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Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 4B0 907 389	
01542 Sender for rotation rate -G202- Implausible signal Continuation: (Fourth) See continuation on next page	<ul style="list-style-type: none"> ◆ Sender for rotation rate -G202- malfunctioning. ◆ ABS control module -J104- malfunctioning Note: Only replace the control module as a last resort. 	If none of the causes fit: <ul style="list-style-type: none"> - Erase DTC memory ⇒ page 01-15 - End Output ⇒ page 01-16 . - Road test vehicle ⇒ page 01-250 - If malfunction occurs again, replace yaw sensor -G202-. ⇒ Repair Manual, Brake System, Repair Group 45 <ul style="list-style-type: none"> - If the malfunction cannot be fixed, replace the ABS control module -J104-. ⇒ Repair Manual, Brake System, Repair Group 45

01-439

Printed output from VAG1551 Scan Tool (ST)	Possible cause		Corrective action	
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.			
01542 Sender for rotation rate - G202- Implausible signal Continuation: See continuation on next page	Fourth: The zero position of steering angle sensor -G85- is within the specified range, and the zero position of the combined sensor for rotation rate and transverse acceleration is within the specified range: - Check the combined sensor for rotation rate and transverse acceleration by selecting "Read measuring value block" function 08 ⇒ page 01-256 , display group 5 ♦ The combined sensor for rotation rate and transverse acceleration is loose.		 - Check bolts for combined sensor for rotation rate and transverse acceleration. ⇒ Repair Manual, Brake System, Repair Group 45	

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01-442

Printed output from VAG1551 Scan Tool (ST)	Possible cause	Corrective action
DTC	WARNING! This is only valid for control modules with no.: 8D0 907 389, 8D0 907 389A, 8D0 907 389D and 8D0 907 389E.	
01542		