

Subject: Driver Steering Recommendation (DSR) Activation and Group: 48 Number: 06-01

Software Programming for DTCs

Model(s): New Jetta

new GTI, Passat, Passat Wagon

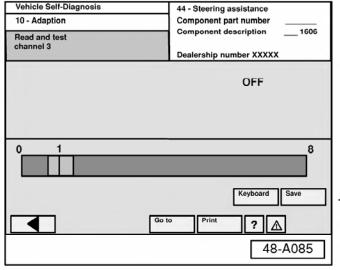
2005 > 2006

2006 > 2007

Date: Feb. 17, 2006

Condition

- ◆ DTC 01309 008 No communication with J500 stored in ABS module after power steering rack replacement.
- DTC 00003 014-control module faulty
- ◆ DTC 00578 008-torque sensor implausible
- ◆ DTC 02614 014- Steering box faulty



DSR Activation using VAS 5051 or VAS 5052 **Self Diagnosis**

After replacement of Electromechanical Power Steering Rack Fault code 01309 008 No communication with J500, may be stored in ADW 03 Brake Electronics. Activate the DSR feature in ADW 44 Steering Assistance as follows:

- Select function 10-Adaptation and enter channel 3.
- Vehicle Self-Diagnosis 44 - Steering assistance 10 - Adaption Component part number Description and software level XXXX Read and test channel 3 Dealership number XXXXX ON 48-A086
- Once in channel 3 you can use either the slide bar or keyboard, and select 0.
 - ◆ Once zero is selected, the DSR function is turned ON and fault code 01309 008 Power Steering Control Module J500 will clear.

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DTC 01309 008 No communication with J500 stored in Instrument Cluster and Gateway control module.

In some instances when DTC 01309 008 is stored in the Instrument cluster and Gateway control module it can be related to a wiring issue. Diagnose the suspected circuits using a voltage drop test.

The following have been identified as possible causes:

- Poor ground contact on the left frame, below headlight
- Poor power supply connection at the 80amp fuse of the underhood power distribution center
- Poor connections, wiring damage (including CAN Bus wiring) due to rodent infestation



If cause is not a manufacturer's defect, repair is not covered under warranty policy.

DTC 00578 008-torque sensor implausible signal.

 Follow normal Guided Fault Finding diagnostics and replace steering rack IF or WHEN prompted. Use applicable SRT for steering rack replacement.

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DTCs 02614 014 or 00003 014 Stored

DTC 00003 014 may occur without apparent reason, while DTC 02614 014 may occur after a battery replacement, a jump start of the vehicle or after a discharged battery. Both DTCs will not be erasable.



Note:

The VAS 5051 or VAS 5052, up to Brand CD V.08.65.01, will recommend to replace the power steering rack for this REPLACEMENT OF THE POWER STEERING RACK IS NOT NECESSARY. Instead of replacing the power steering rack the Brand CD V.08.65.01 (or newer) has the capability to program the following software update with flash CD W42STEERINGUPDATE.

- 1K1 909 144 G software 1401 program to software 1403
- 1K1 909 144 H software 1502 program to 1504



Note:

Bulleted points listed above are for hardware and software identification ONLY and are not available through the parts system.

Hardware and software level's not listed are NOT EFFECTED by DTC 02614 014 and do not have to be reprogrammed.

Update Programming (flashing)



Additional copies of the "Update Programming" CD(Literature Number W42STEERINGUPDATE) may be ordered from the Volkswagen Technical Literature Ordering Center at vw.ddsltd.com, or by calling 1-800-544-8021 from 8:00 a.m. to 8:00 p.m. EST Monday through Friday. This number can be dialed in both the United States and Canada.

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Vehicle requirements

- ◆ Battery MUST have minimum no-load charge of 12.5V (failure to maintain voltage during update process can lead to steering system module failure) (it is advised to use an approved battery charger to maintain battery voltage).
- ◆ VAS 5051 or VAS 5052: connected to vehicle with battery voltage requirements met.
- ◆ Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

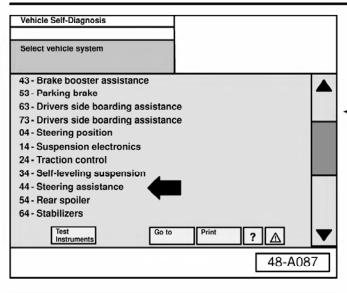


Non-observance of the following points may lead to control module failure! VAS 5051 or 5052 must always be connected to the approved power supply at the approved voltages. Under no circumstances should the power supply be interrupted or the diagnostic connector unplugged during the flash procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.

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- C/D Part Insert the No: W42STEERINGUPDATE distributed with this technical bulletin.
- - Navigate to Vehicle Self Diagnosis AW 44-Steering assistance.

Vehicle Self-Diagnosis	44 - Steering assistance	
	Component part number	
Select	Description and software level XXXX	
diagnosis function	Dealership number XXXXX	
Display all diagnostic functions		
02 - Interrogate fault memory		
03 - Final control diagnosis		
04 - Basic settings		
05 - Erase fault memory		
06 - End output		
Coding subbussystem		
08 - Read Measuring Value Block		
10 - Adaption		
11 - Coding II		
16 - Access permission		
Update - Programming		
Test Go to	Print ?	
macuments		
	48-A088	

 Select Update Programming and press the forward arrow.

Vehicle Self-Diagnosis	44 - Steering assistance	
Update - Programming	Component part number	
	Description and software level XXXX	
Programming can be carried out.	Dealership number XXXXX	
Note:		
The programme version stored in t	he control unit will be erased	
It will be programmed with the new version XXXX		
The erasing programming process will last roughly XX minutes.		
The part number in the control unit		
Vehicle specific data (coding, adap		
be checked after successful progra	•	
After the continue button has been pressed the process cannot be cancelled.		
IMPORTANT PLEASE NOTE:		
Switching ignition off or disconnecting the diagnostic connector		
during programming may completely destroy the control module!		
<u></u>		
Go to	Print ?	
	48-A089	

programming instruction complete, switch ignition Off and then On per instruction.

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Vehicle Self-Diagnosis		
	44 - Steering assistance	
Update - Programming	Component part number	
	Description and software level XXXX	
Erase fault memory	Dealership number XXXXX	
The programming causes fault records in related control units. The fault memories of all control units in the vehicle must be erased.		
Pressing the Continue button will automatically erase the fault memories.		
Pressing the Back button will not erase fault memories		
Go to	Print ? A	
48-A090		

Erase DTCs by selecting the forward arrow.

Vehicle Self-Diagnosis	44 - Steering assistance
Update Programming	Component part number
DTC memories are erased Function ended	Description and software level XXXX Dealership number XXXXX
03 - Brake electronics 44 - Steering assistance 15 - Airbag 25 - Immobilizer 1C- Vehicle position detection 16 - Steering wheel electronics 36 - Seat/steering column adjustmen 46 - Convenience system central mod 17 - Dash panel insert 47 - Sound system 09 - Electronic central electrics 19 - Diagnostic interface for data-bu 0F - Radio-Tuner-digital	dule
Function ended!	
Test Go to Instruments	Print Help
	48-A091

Verify that the new software level is listed in the top right corner of the screen.

Vehicle Self-Diagnosis 44 - Steering assistance Component part number **Update Programming** Description and software level XXXX Programmin log Save results? Dealership number XXXXX Expanded identification old Expanded identification new Component part number Component part number Description and software level Description and software level Dealership number XXXXX Dealership number XXXXX Unit number Unit number Importer number XXX Importer number XXX **Programming status** no malfunction Status Counter programming attempts Counter successful attempts Programming pre-condition fulfiled Function ended! 48-A092

Programming complete.

Note:

If DTC 00003 014 is still not erasable after programming is complete, the power steering rack must be replaced. Use applicable SRT.

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When procedure applies to vehicles with- in the New Vehicle Limited Warranty, use the following:	
Claim Type:	W2
Part Identifier:	4835
Damage Code:	4835 40 000 1
Labor Operation: Includes all steps to re-program (flash)	48352540 30TU
Labor Operation: Includes all steps for DSR activation	48352542 20TU
Labor Operation: Wiring Diagnosis and Repair	Use applicable A-Time
Diagnostic Time:	No Diagnostic Time Allowed
Claim Comment: Type "As per Technical Bulletin V480601" in comment section of Warranty Claim	

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