



# Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat	2010	All	All	All	All
CC	2010-2012	All	All	All	All
Tiguan	2010-2012	All	All	All	All

## Condition

48 13 01 March 18, 2013 2027277 Supersedes T. B. V481102 dated November 17, 2011 to include additional model year applicability.

### Insufficient Steering Assistance- Warning Light ON



**Note:**

The condition as described does not affect the ability of the operator to control the vehicle.

Customer may comment about the following concern:

- Steering is stiff.
- Yellow and red power steering warning lights on.

The following entries can be logged in the Power Steering Control Module -J500- :

DTC	Description
03375/011	Steering motor - disruption
16352/012	Control module - electric complaint
00003/008	Control module - implausible signal
00003/012	Control module - electric complaint in the circuit
00566/008	Power steering - operation implausible signal
03375/003	Steering motor - mechanical complaint (if entry occurred in the connection with workshop work)
00566/003	Power steering - mechanical complaint (only if in connection with 003375/011 or 16352/012)

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## Technical Background

Software-related deviation in the power steering control unit (-J500).

## Production Solution

Improved software.

## Service

### Update-Programming Procedure:



**Tip:**

To Update-Programming using SVM, **review and follow** instructions in **Technical Bulletin Instance 2014603** "Software Version Management".

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.



**Note:**

Prior to launching VAS-PC or ODIS application and starting control module update process, confirm tester screen saver and power settings in accordance with Special Tools and Equipment - Service Information Circular # VVT-12-02. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure.

When using a VAS 6150/5051B tester in conjunction with a VAS 5054A wireless transmitter head for a flash procedure, please connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure.

- Update the Power Steering Control Module -J500- using the SVM Unit code as listed in the table below:

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
All	All	5N1.909.144.L	0802	5N1.909.144.L	1101	35FA
All	All	5N1.909.144.L	1002	5N1.909.144.L	1101	35FA
All	All	5N1.909.144.M	1002	5N1.909.144.M	1101	35FA

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The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.



## **WARNING:**

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

Keep hands and all objects away from Radiator Fan(s) during Update Process!



## **Tip:**

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

After performing the update process the functions/component selection in guided fault finding or in guided functions must be performed:

- Adjustment of the power steering
- Basic settings the steering end stops
- Basic settings of the external steering angle sender -G85
- Adjustment – J500 with power steering\*
- Adjustment – J500 parking assistant\*
- Adjustment – J500 for turning and steering torque compensation
- Adjustment – J500 with damping control\*
- Adjustment – J500 with lane change assistant\*
- Update power steering control unit J500 software
- Delete memory

\* The adjustment can differ depending on the vehicle equipment.



## **Tip:**

Upon completion of basic settings, if prompted, answer the “was the power steering gear replaced”? with a “Yes” answer.



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## Warranty

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
<b>Model(s)</b>	<b>Year(s)</b>	<b>Eng. Code(s)</b>	<b>Trans. Code(s)</b>	<b>VIN Range From</b>	<b>VIN Range To</b>
Passat	2010	All	All	All	All
CC, Tiguan	2010-2012	All	All	All	All
<b>Claim Type:</b>			Use applicable Claim Type <sup>1)</sup>		
<b>SAGA Coding</b>					
<b>Service Number:</b>	<b>Damage Code</b>	<b>Damage Location (Depends on Service No.)</b>		<b>Parts Manufacturer (removed part)</b>	
4835	0039	Use applicable when indicated in ElsaWeb (L/R)		W W O <sup>2)</sup>	
<b>Labor Operation <sup>3)</sup>: Charge Battery</b>			27068950 = 10 TU		
<b>Labor Operation <sup>3)</sup>: Update Programming</b>			Included in GFF time expenditure listed below		
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = actual GFF Time expenditure.		YES		
<b>Road Test</b>	01210002 01210004		NO		
<b>Technical Diagnosis</b>	01320000 = XX TU max.		NO		
<b>Claim Comment: Input "As per Technical Bulletin 2027277" in comment section of Warranty Claim.</b>					
<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only					
<sup>2)</sup> Code per warranty vendor code policy.					
<sup>3)</sup> Labor Time Units (TUs) are subject to change with Elsa updates.					
<sup>4)</sup> Documentation required per Warranty Policy & Procedures Manual.					



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## Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940)
VAS Diagnostic Tool	VAS-PC, 5051B, 5052A, 6150X (Base CD V19.01.00 and Brand DVD V19.19.00 or higher)

## Additional Information

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