



Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat	2012	2.0L TDI (CKRA)	All	A3_CC000001	A3_CC999999
	2013	3.6L (CDVB)		A3_DC000001	A3_DC999999
	2014	1.8T (CPKA) 1.8T (CPRA)		A3_EC000001	A3_EC117129

Condition

48 14 05 October 13, 2014 2038621

Update Programming Electromechanical Steering Gear

A pulling sensation may be perceived in the steering wheel while driving on flat roads. Be aware that road crown can have a significant impact on the customer's perception of a pulling sensation while driving.

Note:

This bulletin only applies to vehicles with an electromechanical steering rack.

This update should be performed before any additional repairs are made to the vehicle; such as TSB 2031087 for selective tire placement or a vehicle alignment.

The condition of the vehicle should be re-evaluated after the programming update to determine if additional diagnosis is necessary.

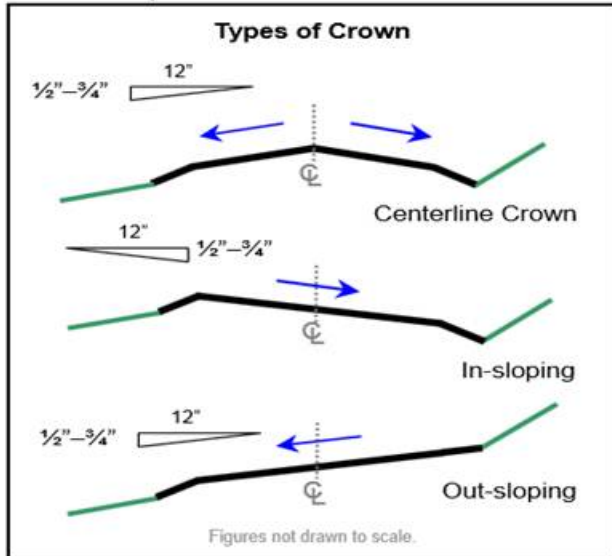
Technical Background

A new software map for the power steering control module was developed to reduce the retention force necessary to keep the vehicle driving straight ahead.

Note:

Be aware that vehicles tend to follow the natural crown of the road. Road crown can have a significant impact on the customer's perception of the pulling sensation while driving.

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Depending on the vehicle owner's state of residence, the road crown direction and angle may vary.



WARNING:

DO NOT remove your hands from the vehicle steering wheel while test driving.

Production Solution

Vehicles in production are being produced with the updated map in the power steering control module as of VIN: 1VWBS7A39EC117129.

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Service

Update-Programming Procedure:

Note:

Prior to launching the ODIS service diagnostic applications 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.

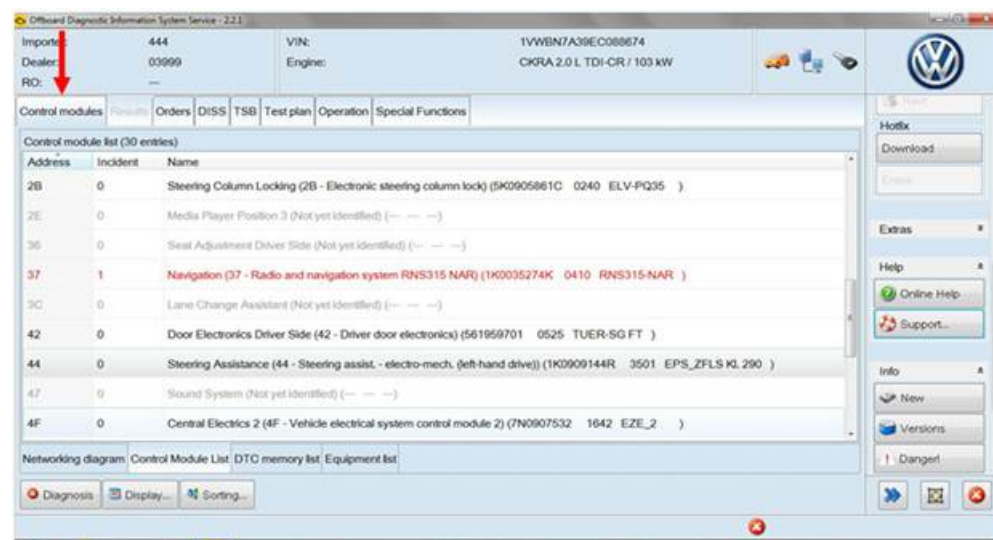
When using a VAS 6150/X or 6160/X tester in conjunction with a VAS 5054A wireless transmitter head for a flash procedure, please connect a USB cable between the transmitter head and the tester. Failure to do so may lead to errors during the flash procedure.

VAS tools must only be used with their power adapters plugged in. Under no circumstances should they be used on battery power alone during the programming procedure.

Critical Warning: : The Midtronics Battery Charger **must** be connected to the vehicle battery for the duration of the programming, to ensure the battery state of charge remains above 12.5 volts during the update process. If the battery drops below 12.5 volts, the programming could fail which may result in damage to the control module. Control modules damaged by inadequate voltage will not be covered under the warranty policy. The technician should verify the vehicle voltage prior to starting the update process, and should monitor the voltage for the duration of the update.

Step 1

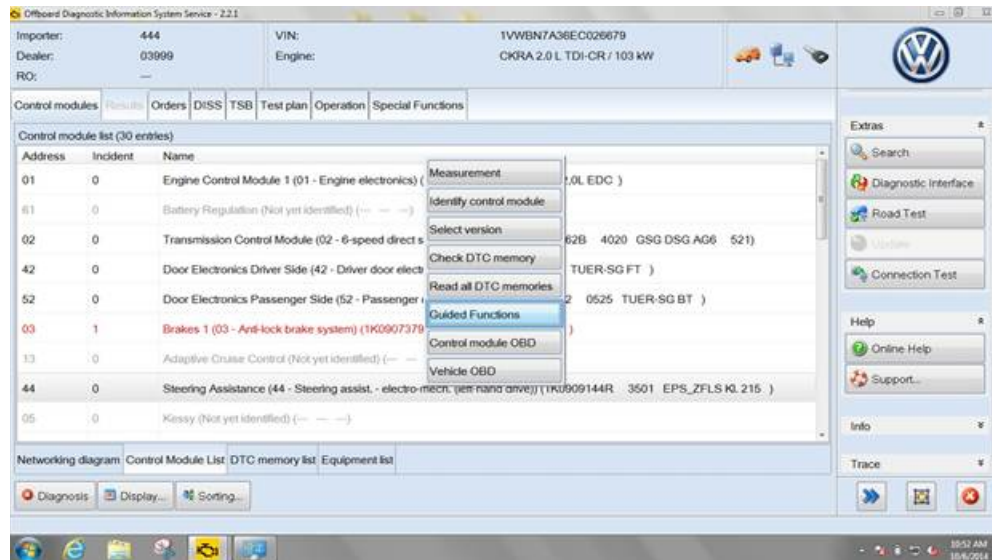
To perform the procedure first click on the control system tab in the upper left hand portion of the screen once all control modules have been identified.



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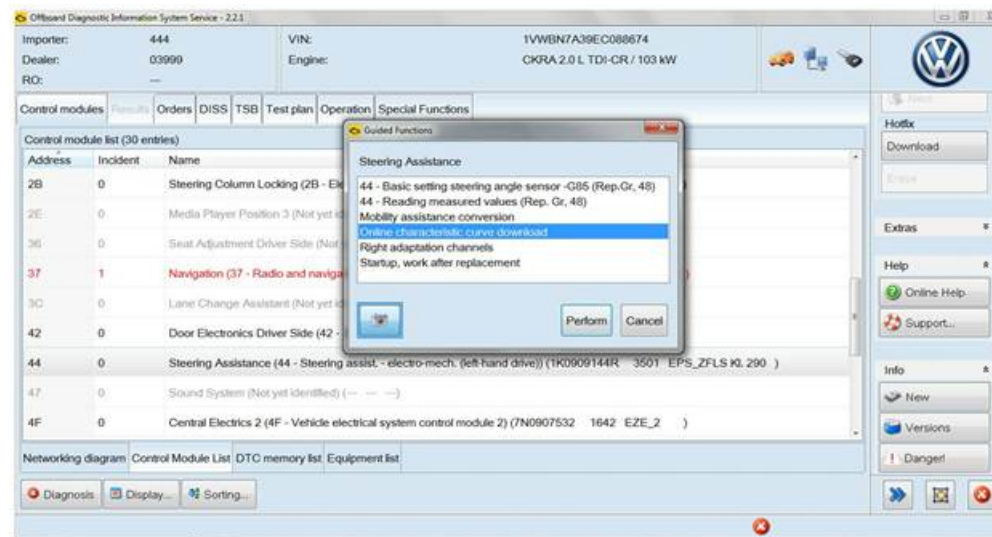
Step 2

Select address 44 for steering assistance and right click. Select the guided functions button.



Step 3

Then select the online curve characteristic download. Follow the steps specified by the tester to perform the characteristic curve update.



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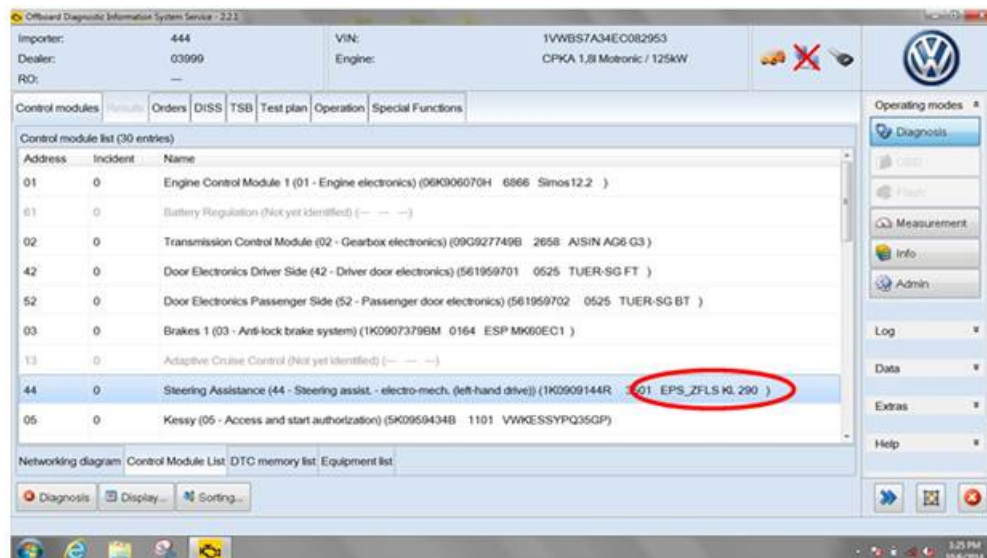
Once the update is completed the system name in address 44 should be changed to one of the following based on the chart below.

Engine Size	Suspension PR-Code	Old System Name	New System Name
1.8T Gas	L01	EPS_ZFLS KI 288	EPS_ZFLS KI 211
	L02	EPS_ZFLS KI 290	EPS_ZFLS KI 215
2.0L TDI	L02	EPS_ZFLS KI 290	EPS_ZFLS KI 215
3.6L V6	L02	EPS_ZFLS KI 290	EPS_ZFLS KI 215
	L03	EPS_ZFLS KI 290	EPS_ZFLS KI 215

Note:

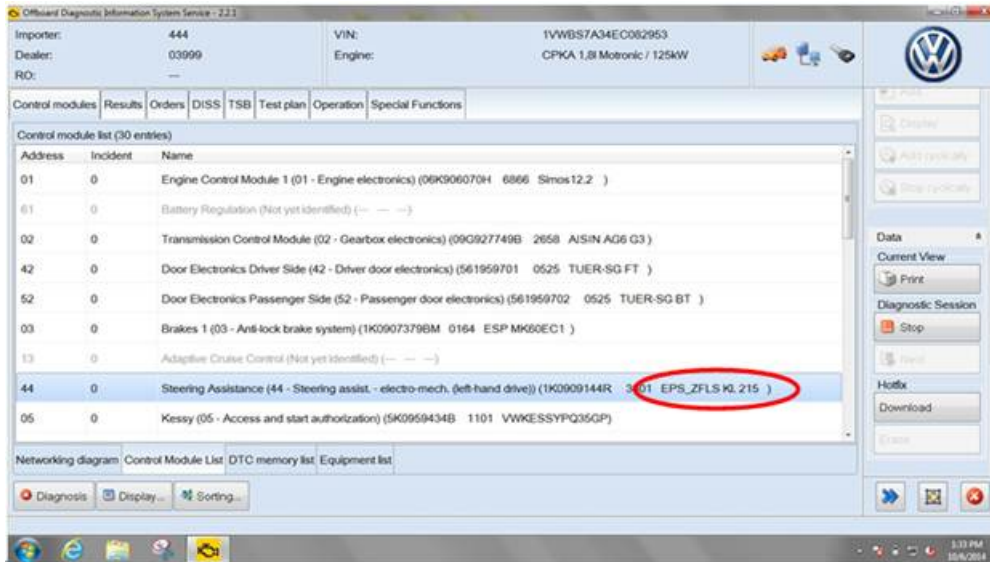
The control modules will have to be re-identified before the update will be visible.

Example of old system name



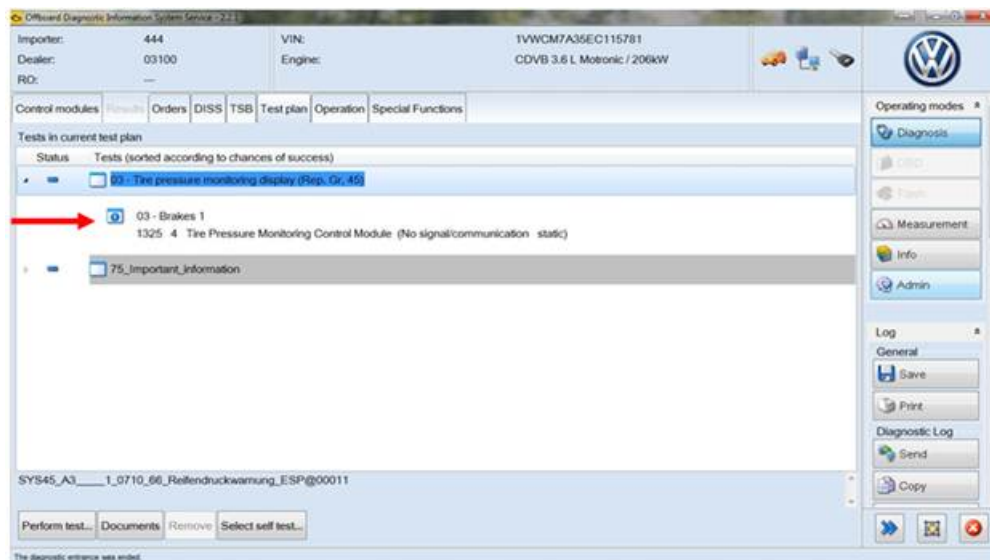
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Example of new system name



Note:

After performing the update a fault may be stored in address 03 (Brakes) for the Tire Pressure Monitoring Control Module. Clear that fault and then re-check to make sure no new DTCs are present.





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Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
Passat	2012	2.0L TDI (CKRA)	All	A3_CC000001	A3_CC999999
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	2014	1.8T (CPKA) 1.8T (CPRA)		A3_EC000001	A3_EC117129
SAGA Coding					
Claim Type:		Use applicable Claim Type ¹⁾			
Service Number:		Damage Code	HST	Damage Location (Depends on Service No.)	
4835		0010	--	Use applicable when indicated in ElsaWeb (L/R)	
Parts Manufacturer		Passat		YXS 2)	
Labor Operation ³⁾: Charge Battery			27068950 = 10 TU		
Labor Operation ³⁾: Update Programming			Included in GFF time expenditure listed below		
Causal Part: Select Labor Operation			01500000		
Diagnostic Time ⁴⁾					
GFF Time expenditure		01500000 = 40 TU max.		YES	
Road Test		01210002 = 10 TU 01210004 = 10 TU		YES	
Technical Diagnosis		01320000 = 00 TU max.		NO	
Claim Comment: Input "As per Technical Bulletin 2038621" in comment section of Warranty Claim.					
¹⁾ Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only					



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- ²⁾ Code per warranty vendor code policy.
- ³⁾ Labor Time Units (TUs) are subject to change with ELSA updates.
- ⁴⁾ Documentation required per Warranty Policy Procedures Manual.

Required Parts and Tools

No Special Parts required.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with ODIS Service with: current online updates

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.