IMPORTANT INFORMATION Please inform and provide a copy of this document to every person in your dealership with campaign-related responsibilities, including Service, Parts and Accounting personnel. By law, dealers must correct, prior to delivery for sale or lease, any vehicle that fails to comply with an applicable Federal Motor Vehicle Safety Standard or that contains a defect relating to motor vehicle safety. If you have questions regarding this or any other campaign, please call (800) 741-2919.



December 2006

Product Update Circular

Codes: Q1/Q2/Q3/ Q4/Q5/Q6

Subject: 2004-2006 MY Touareg Update Programming for Touareg

Product Update Description

Depending on vehicle configuration, perform update programming.

VIN Ranges of Affected Vehicles

<u> 2004- 2006 Touareg (U.S.A.)</u>

WVG___7L_4_000001 - WVG___7L_6_050817

<u>2004-2006 Touareg (Canada)</u> WVG___7L_4_000029 - WVG___7L_6_051184

NOTE: Check ELSAWeb on the day of repair to verify v ehicle eligibility and attach the screen print to the repair order. This is the only valid campaign inquiry and verification source. Some vehicles may be involved in an additional action(s); any additional work can be done while the vehicle is in for this action.

Allocation Report of Affected Vehicles

In the Service Manager's Package, dealers with affected vehicles will receive a report containing the complete VIN with customer name and address data. Dealers will not receive a report if they have no affected vehicles.

NOTE: The allocation report contains owner names and addresses obtained from Motor Vehicle Registration Records. By law, this data may only be used for recall purposes. Use for any other reason may be a violation of law in many states/provinces. Accordingly, you must limit the use of this report.

Parts Allocation

There will not be a parts allocation for this action.

Product Update Expiration Date

This action is effective until December 31, 2007. Dealers should keep this expiration date in mind and schedule vehicle repairs accordingly. Claims with a repair date after December 31, 2007 will not be eligible for payment under this action.

Claim Entry Procedure

Immediately upon completion of the repair work, enter the correct code listed in one of the following

reimbursement charts. Claims will only be paid for vehicles that show one or more of the above campaign codes open in ELSAWeb <u>on the day of</u> <u>the repair</u>. To help ensure prompt and proper payment, attach the screen print to the repair order.

SEE FOLLOWING PAGES

Q1 REIMBURSEMENT

Damag Code	e Time Units	CRITERIA 16, 21	Work Scope
Q1 12	50 T.U.		Check/Update: Comfort Control Module, Differential Control Module
(NOTE: If at (800) 74	the differentia 11-2919) to o	al motor required replacem btain claim entry instructior	ent, contact the Campaign Helpline ns.
Q1 20	0 T.U.		- Customer refused repairs
See Loaner Eligibility on chart below There is NO reimbursement for Vehicle Wash The system will enter labor & parts applicable to the codes above			

Loaner Eligibility
SUB LABOR
One-day Loaner @ \$30/day (USA)
One-day Loaner @ \$35/day (CAD)
Vehicle is eligible for loaner only if:
 customer requests loaner and
 repair exceeds two (2) hours
If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u> . Multiple claims for

Q2 REIMBURSEMENT

Damag Code	e Time Units	CRITERIA 16, 20, 21	Work Scope
Q2 12 (NOTE: If t at (800) 74	60 T.U. the differential 11-2919) to ob	motor required replacement, co tain claim entry instructions.	Check/Update: • Comfort Control Module • Transmission Control Module, • Differential Control Module ontact the Campaign Helpline
Q2 20	0 T.U.		- Customer refused repairs
See Loaner Eligibility on chart below There is NO reimbursement for Vehicle Wash The system will enter labor & parts applicable to the codes above			

Loaner Eligibility
SUB LABOR
One-day Loaner @ \$30/day (USA) One-day Loaner @ \$35/day (CAD)
 Vehicle is eligible for loaner <u>only if</u>: customer requests loaner and repair exceeds two (2) hours
If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u> . Multiple claims for

a loaner vehicle will be debited.

Q3 REIMBURSEMENT

Damage Code	e Time Units	CRITERIA 16, 19, 20, 21	Work Scope	
Q3 12 (NOTE : If t at (800) 74	95 T.U. he differentia 1-2919) to ol	al motor required replacement, cont btain claim entry instructions.	Check/Update: • Comfort Control Module • Engine Control Module • Transmission Control Module, • Differential Control Module • Set readiness code act the Campaign Helpline	
Q3 20	0 T.U.		- Customer refused repairs	
See Loaner Eligibility on chart below There is NO reimbursement for Vehicle Wash The system will enter labor & parts applicable to the codes above				

Loaner Eligibility

SUB LABOR

One-day Loaner @ \$30/day (USA) One-day Loaner @ \$35/day (CAD)

Vehicle is eligible for loaner only if:

- customer requests loaner and
- repair exceeds two (2) hours

If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u>. Multiple claims for a loaner vehicle will be debited.

Q4 REIMBURSEMENT

Damag Code	e Time Units	CRITERION 21	Work Scope	
Q4 12	40 T.U.	C	Check/Update:	
			 Differential Control Module 	
(NOTE: If the differential motor required replacement, contact the Campaign Helpline at (800) 741-2919) to obtain claim entry instructions.				
Q4 20	0 T.U.		Customer refused repairs	
See Loaner Eligibility on chart below				
There is NO reimbursement for Vehicle Wash				
	The s	ystem will enter labor & parts	applicable to the codes above	

Loaner Eligibility

SUB LABOR One-day Loaner @ \$30/day (USA) One-day Loaner @ \$35/day (CAD)

Vehicle is eligible for loaner only if:

- customer requests loaner and
- repair exceeds two (2) hours

If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u>. Multiple claims for a loaner vehicle will be debited.

Q5 REIMBURSEMENT (United States)

Damag Code	e Time Units	CRITERION 22	Work Scope
Q5 11	30 T.U.		Check/Flash Instrument Cluster level
Q5 12	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 980MX Instrument Cluster (USA)
Q5 13	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 980PX Instrument Cluster (USA)
Q5 14	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 981X Instrument Cluster (USA)
Q5 14	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 981BX Instrument Cluster (USA)
Q5 20	0 T.U.		Customer refused repairs
		See Loaner Eli	igibility on chart below
There is NO reimbursement for Vehicle Wash			
	The	e system will enter labor &	a parts applicable to the codes above

Q5 REIMBURSEMENT (CANADA)

Damag Code	e Time Units	CRITERION 22	Work Scope
Q5 11	30 T.U.		Check/Flash Instrument Cluster level
Q5 1A	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 880QX Instrument Cluster (CAN)
Q5 1B	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 881CX Instrument Cluster (CAN)
Q5 1C	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 881DX Instrument Cluster (CAN)
Q5 1H	90 T.U.		Check/Replace Instrument Cluster 1 7L6 920 881FX Instrument Cluster (CAN)
Q5 20	0 T.U.		Customer refused repairs
See Loaner Eligibility on chart below There is NO reimbursement for Vehicle Wash The system will enter labor & parts applicable to the codes above			

Loaner Eligibility
SUB LABOR
One-day Loaner @ \$30/day (USA) One-day Loaner @ \$35/day (CAD)
Vehicle is eligible for loaner only if:
 customer requests loaner and repair exceeds two (2) hours
If campaigns MQ_N5_and /or N6 are performed

If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u>. Multiple claims for a loaner vehicle will be debited.

Q6 REIMBURSEMENT

Damage Code	e Time Units	CRITERIA 3	Work Scope
Q6 11	10 T.U.		Check/Update DVD Navigation
Q6 20	0 T.U.		Customer refused repairs
	Ther The system wil	See Loaner Eligibility e is NO reimburseme Il enter labor & parts	r on chart below ent for Vehicle Wash applicable to the codes above

Loaner Eligibility

SUB LABOR

One-day Loaner @ \$30/day (USA) One<u>-day Loaner @ \$35/day (CAD)</u>

Vehicle is eligible for loaner only if:

- customer requests loaner and
- repair exceeds two (2) hours

If campaigns M9, N5, and /or N6 are performed simultaneously with the Q1, Q2, Q3, Q4, Q5 or Q6 campaigns, a loaner vehicle <u>can only be</u> <u>claimed on ONE campaign</u>. Multiple claims for a loaner vehicle will be debited.

Control Module Adaptation / Updating

This procedure descibes the following :				
<u>Criteria</u>	<u>Description</u>			
03	Update DVD Navigation unit			
16	Adapting Comfort system control module software			
19	Adapting Engine Control Module (ECM) software (V6 Engine – USA only)			
20	Adapting Transmission Control Module (TCM) software (USA only)			
21	Differential Control Module, adapting software			
22	Adapt Instrument cluster software			

!	Note:	Navigation flash is only applicable to mid-2005– 2006 MY Touareg vehicles with DVD Navigation
		and not CD Rom Navigation

Possible Required Parts

<u>Criteria</u>	Description	Part Number
21	Differential Motor	Reference ETKA
22	Instrument Cluster	Reference ETKA

Special Tools:



⇐ VAS 5051B Diagnostic tester with minimum basic CD 10.07.01 and VW brand CD V 10.72.01



- Software updates for control units part number 90D7 (Supplied in December 2006 dealer package)
- W42TOURSWU47 DVD Navigation Update CD
 previously provided to dealers
- Battery charger or equivalent

Criterion 03 Navigation Level Checking and Updating

Note: Be aware that checking the vehicle for DVD Navigation update eligibility takes only a couple of minutes, and the update, if necessary, takes 50 minutes. Once the update has started, the ignition cannot be switched on and the vehicle cannot be started. The vehicle can be left unattended for the updating process, and software will complete the process by itself

We recommend that this DVD update be done prior to, or directly after, any other work on the vehicle

- Battery MUST have a minimum no load charge of 12.5 V (failure to maintain voltage during update process can lead to instrument cluster failure). Use an approved battery charger to maintain battery voltage
- Any appliances with high electromagnetic radiation, i.e. mobile phone, should be switched OFF
- Record radio presets before starting procedure

Tip: If the unit is left on for more than one hour, it will switch off to conserve battery power. Switch the unit back "ON" and continue from previous step







	 Tip: The next step is not the software download If CD does not load or NO DVD installed, eject programming CD, install Navigational DVD, select MAP, wait until a map displays, remove Navigational DVD and install programming CD to continue update If programming CD will not eject, refer to subject matter: Radio/Navigation System "Sound II" will not accept CD during PDI, will not play audio CD (T.B.
A new program is being loaded for navigation Total : Current : VOICE BAND CD MUTE DEST NAV MAP BACK 91-A553	 V000502 or later) Press NAV button -arrow, wait until Software version screen appears (during this time the screen display may change rapidly, this is normal operation, wait for the load screen in the next step)
Image: Second state in the second s	 Tip: If this screen does not appear after 10 minutes, eject CD and reinstall Data shown in screen shot is for illustration ONLY. Actual dates may differ depending upon the production date of the unit Similar screen appears Select "Load" soft key -arrow-



91-A556

	Tip: New software will take approximately four minutes to load
A new program is being loaded for navigation	⇐ Wait until Navigation main menu appears
	 Flashing procedure is complete – eject Map DVD and return it to it's original storage place
	Reset all preset radio stations
VOICE BAND CD MUTE DEST NAV MAP BACK	 Press <i>Power</i> knob to switch Navigation unit OFF
91-A357	Tip: If no presets were saved, switch on Navigation unit, press "BAND" button (On some units, the button is labeled "RADIO" instead of "BAND")
	Press and hold "Autostore" soft key for at least 10 seconds until an audible beep indicates that "Initial Autostore" is started
	Wait until "Initial Autostore" completes and radio begins to play a station

Section A – Update Preparation

i Tip:	When performing the reflash procedure, ALL DTCs for all systems are erased. DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the reflash procedure first
	The following "Update – Programming" (flashing) process may overwrite any "TUNED" ECM/TCM programming. A "TUNED" ECM/TCM is described as any ECM/TCM altered so as to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc.
	If you encounter a vehicle with a "Tuned" ECM or TCM, prior to performing the "Update – Programming" (flashing) procedure:
You	Ir Dealership should place the vehicle owner on notice in writing, that their ECM or TCM was found to have been tuned, and that any damage caused by the tuning of the ECM or TCM (including any adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties
For	any repair requested by the owner under warranty or outside warranty that requires flashing, which will automatically wipe out the "Tuning" program, your Dealership should advise the owner of the above and get his written consent to the flashing procedure (-click here- for ECM / TCM Tuning form)

• Battery MUST have a minimum no load charge of 12.5 V (failure to maintain voltage during update process can lead to instrument cluster failure). Use an approved battery charger to maintain battery voltage



- Battery MUST have a minimum no load charge of 12.5 V (failure to maintain voltage during update process can lead to instrument cluster failure). Use an approved battery charger to maintain battery voltage
- Any appliances with high electromagnetic radiation, i.e. mobile phone, should be switched OFF
- Attach battery charger to vehicle



Guided Fault Finding Vehicle Identification	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
Select model year 2003 (3) 2004 (4) 2005 (5) 2006 (6) 2007 (7)	
Operating mode Go to	Print ?

Guided Fault Finding Vehicle Identification	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
Select version	200 (A)
Sedan	
Operating model Go to	Print A

 Guided Fault Finding
 Volkswagen
 V10.72.01 10/10/2006

 Vehicle Identification
 7L - Touareg 2003 > only USA/Canada

 Select engine code
 200X (X)

 Sedan

AXQ 4.2 L 228kW
BAA 3.2 L 162kW
BHX 4.2 L 228kW
BKW 5.0 L TDI-PI 230kW

⇐ Select applicable vehicle model year

 \leftarrow Select sedan

⇐ Select engine applicable to vehicle



Tip: Engine code can be found on label under carpet in trunk

Guided Fault Finding	Volkswagen V10.72.01 10	/10/2006		
Vehicle Identification	7L - Touareg 2003 > only USA/0	Canada		
Confirm vehicle identification	Sedan XXX X X L XXXkW			
Press "▶" button to confirm that the performed correctly Press "◀" button to go back step by The "Go to" button and the "Cancel brand" screen. The "Go to" button and the "End" se	e vehicle identification was y step. " selection lead to the "Selection lead to the Start scree	ot een.	¢	Confirm vehicle identification is correct and press the forward arrow button to check all control units for DTCs
Guided Fault Finding Vehicle System Test Immobilizer Motronic Engine Management System 6-speed Automatic Transmission 09D ABS/EDL/ASR/ESP 4Motion Mark 25 All Wheel Drive (AWD) electronics for Level control system Differential electronics Tire pressure monitoring Airbag Climatronic 2-C Climatronic 2-C Climatronic 4-C Manual A/C system Roof display Diagnostic interface for drivetrain data Parking aid	Volkswagen V10.72.01 10 7L - Touareg 2003 > only USAV 200X (X) Sedan XXX X.X L XXXkW < differential -bus	V/10/2006 Canada	¢	Diagnostic tester checks all control units for DTCs
Guided Fault Finding Vehicle System Test Control uni Radio Pre Radio / co Instrument Seat adjus Seat adjus a dark background. Vehicle El Telephone Vehicle systems that wer selected manually to gain	Volkswagen V10.72.01 10 7L - Touareg 2003 > only USA/ 200X (X)	0/10/2006 Canada	⇒	After checking control units, a note is displayed that checked control units are highlighted Press the "OK" button, then press forward
TV-tuner Wiper elec Auxiliary/p Access an Digital Sou Digital Sound Package Sound 2	ection.	Ţ		arrow

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X)
Technical information	Sedan XXX X.X L XXXkW
Information	
Note: To charge for the performed repair warranty, it is mandatory to correc job number and to send the diagno online. If there is no diagnostic protocol, w right to refuse the warranty reques	s under tly enter the ostic protocol re reserve the t.
Operating mode Go to	Print ?

Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada Guided Fault Finding Function Test 200X (X) Sedan XXX X.X L XXXkW HST 2007438 Reading memory i Note: It was recognized for this vehicle that the Comfort system central control module has an incorrect software version. To repair malfunction, select adapt comfort menu point in MFD function from test plan. The function will be automatically entered in test plan.

⇐ Read information on screen, then press "Done"

This screen indicating comfort control module has an incorrect software version may be displayed, press the Done button, otherwise continue to next step

Guided Fault Finding Fault Memory Contents		Volkswagen 7L - Touareg 20 200X (X) Sedan XXX X.X L XXXI	V10.72.01 03 > only US (W	10/10/2006 A/Canada
Operating model	"Go to" destinat Cancel Exit Vehicle System ECU-identificati Function / Comp Export problem Function Test Er	on Test on data oonent Selection log book ditor		Ambient requirements Sorting Standard Kilomater Statie/ Sportadic Time

D Note: Make copy of DTCs for later reference

Comparison of the Press the "Go To" button and select Functions/Component Selections

Guided Fault Finding Volkswagen V10.72.01 10/10/2006 Function / Component Selection 7L - Touareg 2003 > only USA/Canada 200X (X) Select function or component Sedan XXX X.X L XXXkW + Powertrain (Repair Group 01; 10 to 26; 28 to 39) + Suspension (Repair Group 01; 40 to 49) + Body (Repair Group 01; 27; 50 to 97) + Software version management + Field actions + Special tools and equipment Connector view control module	⇐ Select Field actions -arrow-
Guided Fault Finding VolkswagenV10.72.01 10/10/2006 Function / Component Selection 7L - Touareg 2003 > only USA/Canada Select function or component Sedan XXX X.X L XXXWW + Field actions + Service action 90D7	⇐ Select Service action 90D7 and press forward arrow button
Guided Fault Finding Volkswagen V10.72.01 10/10/2006 Test Plan 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan System Test Plan XXX X.X L User Test Plan - Service action 90D7 Operating mode Operating mode Go to	 ⇐ Service action 90D7 is highlighted, press the forward arrow button

Guided Fault Finding Function Test Service action 90D7	Volkswagen V10.72.01 10/10/2 7L - Touareg 2003 > only USA/Canad 200 X (X) Sedan XXX X.X L XXXkW	
Service action 90D7		
For service action 90D7, the softwa control modules must be adapted if Adapt software of control module vi Software adaptation for control online via software version mana -1- CD -2- Online	are of some f necessary. a CD modules or gement?	
Operating mode Go to	Print ?	



Guided Fault Finding Function Test	Volkswagen 7L - Touareg	V10.72.01 10/10/2006 2003 > only USA/Canada
Service action 90D7	200X (X) Sedan XXX X.X L XX	XkW
Service action 90D7		
 Perform tests while observin description of service action 9 Notes: Adaptation depends on sof control module. Whether the software of th module is affected by the ada determined in the respective to the service of the service	g notes from 0D7. tware version of e installed control ptation is test.	Done
Operating mode	Go to Print	2 \Lambda

- C Press button -1- for doing software adaptation using CD Rom and continue to next step
 - Tip: Online updating currently NOT available

 Software adaptation is being done from CD ROM, insert CD (90D7) into diagnostic tester and press the "Done" button

Read information screen and press "Done" button



 Test Plan
 7L - Touareg 2003 > only USA/Canada 200 X (X) Sedan XXX X.X L XXXW

 System Test Plan

 OK Service action 90D7

 - Adapting Comfort system central control module software

 - Adapting Engine Control Module (ECM) software

 - Adapting Transmission Control Module (ECM) software

 - Adapting Transmission Control Module (ECM) software

- Reminder screen for connecting battery charger, fuse removal, etc. is displayed (This work should have been previously done)
- ⇐ Press "Done" button
- Select control unit to be adapted, press forward arrow button and go to:
 - Section B for <u>Criterion 16</u> Adapting Comfort System Control Module Software
 - Section C for <u>Criterion 19</u> Adapting Engine Control Module (ECM) Software (V6 Engine – USA only)
 - Section D for <u>Criterion 20</u> Adapting Transmission Control Module (TCM) Software (USA only)
 - Section E for <u>Criterion 21</u> Adapting Differential Control Module, Adapting Software
 - Section F for <u>Criterion 22</u> Adapt Instrument Cluster Software

Tip: Adapting door control module software is not applicable to any vehicle in this update program

<u>Criterion 16</u> Section B – Adapting Comfort System Control Module Software

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
Update - Comfort system central control module	200 X (X) Sedan XXX X.X L XXXkW
Checking part number	
Checking part number In conjunction with Handbuch Service Technik (HST)/Technical Bulletin (TB) entry 2007438, an adaptation will be performed in Comfort System Central Control Module -J393 Note: - Make sure that diagnostic connector is connected to vehicle and ignition is switched on.	
Caution: During adaptation, diagnostic cab be disconnected from vehicle and in	ple must not
Operating mode Go to	Print ?

Guided Fault Finding Function Test Update - Comfort system central control module	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.X L XXXkW
Update OK	
Update for comfort system central of is current.	control module
Operating mode Go to	Print ?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
EEprom/RAM subroutine in 10 ms - cyc	200X (X) [©] Sedan XXX X.X L XXXkW
Writing memory (7L0959933C SW01	01> SW0102)
Please wait, data is being overwritten!	
Operating mode Go to	Print ? 🛆 🕨

- Read Note and Caution information on screen and press the "Done" button
- Wait until part number is checked

 If this screen is displayed, control module does not need an update; press "Done" button to return to user test plan screen for control module selection (shown at end of this Section B), otherwise; continue

Chis screen is displayed while control module is being updated, wait approx. 2 min. for completion



Guided Fault Finding Test Plan	Voli 7L - 200 Sed XXX	(swagen V1 Touareg 2003 > X (X) an X.X L XXXkW	10.72.01 10/10/2006 only USA/Canada
System Test Plan			
User Test Plan OK Service action OK Adapting Co - Adapting En - Adapting Tra	90D7 nfort system central c jine Control Module (I nsmission Control Mo	ontrol module se ECM) software dule (ECM) soft	oftware
Operating mod	Go to	Print	

 Screen is displayed indicating comfort system central control module has been adapted, press "Done" button

- "OK" is displayed on screen in front of control module that has been checked or adapted
- Select control module to be adapted, press the forward arrow button and go to:
 - Section C for <u>Criterion 19</u> Adapting Engine Control Module (ECM) Software (V6 Engine – USA only)
 - Section D for <u>Criterion 20</u> Adapting Transmission Control Module (TCM) Software (USA only)
 - Section E for <u>Criterion 21</u> Adapting Differential Control Module, Adapting Software
 - Section F for <u>Criterion 22</u> Adapt Instrument Cluster Software
 - If there are no other control modules to be adapted, **go to Section G**

Criterion 19

Section C – Adapting Engine Control Module (ECM) Software (V6 Engines only) USA Vehicles only

 Guided Fault Finding
 Volkswagen
 V10.72.01 10/10/2006

 Function Test
 7L - Touareg 2003 > only USA/Canada

 Software, adapting
 Sedan

 XXX X.X L
 XXXW

 Reading software version from control module.
 Dene

 Image: Note:
 The network cable at tester may not be connected, otherwise problems can occur when loading data records from CD.

 Image: Operating mode
 Go to

 Print
 ?

Guided Fault Finding	Volkswagen V10.72.01 10/10/2006
Function Test	200X (X)
Software, adapting	Sedan XXX X.X L XXXkW
Reading software version from control	module.
The following adaptation values wer	re read out:
Part number: XXXXXXXXXXX Software version: XXXX	x
In the following, it will be checked w update is available for this control m	vhether an nodule version.
Operating mode Go to	Print ?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/200 7L - Touareg 2003 > only USA/Canada 200 X (X)
Software, adapting	Sedan XXX X.XL XXXkW
Searching of data records	
Software in control module is curr not be adapted. Software adaptation for control mo canceled.	ent and must
Go to	Print ?

Make certain VAS 5051B network cable is disconnected and press "Done" button

 Control unit part number and software version is displayed, press "Done" button to check for updating

- If this screen is displayed, control module does not require adapting, press "Done" button
 - Switch Ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
 - When prompted, switch ignition to "ON" position and press "Done" button
 - Press "Done" button when end of test screen is displayed to return to user test plan screen for control module selection (shown at end of this Section C)
- If this screen is **not** displayed, continue to next step





Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada Guided Fault Finding Function Test 200X (X) Sedan Software, adapting XXX X XL XXXkW Checking pre-conditions Requirements for software adaptation of control Done module have been met. SW-version number: XXXX Software version number after adapting software: XXXX

- Information about data record is displayed
- ⇐ Press "Done" button

Press "Yes" button to start software adaptation

- Current and new software versions are displayed
- ⇐ Press "Done" button

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/200 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Checking pre-conditions	
Software adaptation takes approx. After pressing the -Continue- butto procedure can no longer be cancel Caution: • Switching ignition off or disconne diagnostic connector during adaptare require replacement of control mod	23 minutes. on the ed. Abort- Abort- acting ation may dule!
Operating mode Go to	Print ?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2000 7L - Touareg 2003 > only USA/Canada 200X (X)
Software, adapting	Sedan XXX X.XL XXXkW
Job will be performed	
0% 18	100 %

 "Checking pre-conditions, Software adaptation" screen appears; press "Continue" button

- ⇐ Adaptation progress screen is displayed
- Wait for adaptation to finish



- Control module part number and software version are displayed, press "Done" button to check for updating
- Switch Ignition to "OFF" position

Note: Although screen may say adaptation could not be performed successfully, <u>it was</u> performed successfully



Guided Fault Finding Test Plan	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.X L XXXkW	
System Test Plan		
User Test Plan		
OK Service action 90D7	A	
OK Adapting Comfort system central control module software		
OK Adapting Engine Control M	odule (ECM) software	
 Adapting Transmission Cor 	ntrol Module (ECM) software	
Operating mode Go	to Print ? 🛆 🕨	

- Control unit part number and software version level are displayed
- ⇐ Press "Done" button
- Switch ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
- When prompted, switch ignition to "ON" position and press "Done" button
- "OK" is displayed on screen in front of control module that has been checked or adapted
- Select control module to be adapted, press forward arrow button and go to:
 - Section D for <u>Criterion 20</u> Adapting Transmission Control Module (TCM) Software (USA only)
 - Section E for <u>Criterion 21</u> Adapting Differential Control Module, Adapting Software
 - Section F for <u>Criterion 22</u> Adapt Instrument Cluster Software
 - If there are no other control modules to be adapted, **go to Section G**

Criterion 20 Section D – Adapting Transmission Control Module (TCM) Software (V6 Engines - USA Vehicles only)

Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada Function Test 200X (X) Sedan Software, adapting XXX X.X L XXXkW eading software version from control module. Make certain VAS 5051B network cable is \leftarrow i Note: disconnected and press "Done" button The network cable at tester may not be connected, otherwise problems can occur when loading data records from CD. Volkswagen V 7L - Touareg 2003 > V10.72.01 10/10/2006 Guided Fault Finding only USA/Cana **Function Test** 200 X (X) Sedan Software, adapting XXX X.XL XXXkW Reading software version from control module The following adaptation values were read out: Part number: XXXXXXXXXX Control module part number and software XXXX Software version: version are displayed, press "Done" button to In the following, it will be checked whether an check for updating update is available for this control module version. A If this screen is displayed, control module \Leftarrow V10.72.01 10/10/2006 Guided Fault Finding Volkswagen does not require adapting, press "Done" 7L - Touareg 2003 > only USA/Canada Function Test 200 X (X) button Sedan Software, adapting XXX X.XL XXXkW Searching of data records Switch ignition to "OFF" position, press Software in control module is current and must "Done" button and wait approximately 10 not be adapted. seconds Software adaptation for control modules will be canceled - When prompted, switch ignition to "ON" position and press "Done" button - Press "Done" button when end of test screen is displayed to return to user test plan screen for control module selection (shown at end of this Section D) \Leftarrow If this screen is **not** displayed, continue to

Guided Fault Finding

The information in this document is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain your vehicle. These procedures are not intended to be attempted by "do-it-yourselfers," and you should not assume this document applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Volkswagen dealer. ©2006 Volkswagen of America, Inc. and Volkswagen Canada Inc. All Rights Reserved.

next step





Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/20 7L - Touareg 2003 > only USA/Canada	
Software, adapting	Sedan XXX X.XL XXXkW	
Checking pre-conditions		
Requirements for software adapta module have been met. SW-version number: XXXX Software version number after ada XXXX	pting software:	
Operating mode Go to	Print ?	

- ⇐ Information about data record is displayed
- ⇐ Press "Done" button

Press "Yes" button to start software adaptation

- Current and new software versions are displayed
- ⇐ Press "Done" button

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200 x (x)
Software, adapting	Sedan XXX X.XL XXXkW
Checking pre-conditions	
Software adaptation takes approx. After pressing the -Continue- buttor procedure can no longer be cancele Caution: • Switching ignition off or disconner diagnostic connector during adaptar require replacement of control mod	12 minutes. on the ed. Abort ecting stion may lule!
Operating mode Go to	Print ?

 "Checking pre-conditions, Software adaptation" screen appears; press "Continue" button

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Job will be performed	
0% 18	100 %

- Adaptation progress screen is displayed
- Wait for adaptation to finish

Guided Fault Finding	Volkswagen V10.72.01 10/10/2006	
Function Test	7L - Touareg 2003 > only USA/Canada	
Software, adapting	Sedan XXX X.XL XXXkW	
End		
Software adaptation for control modules could not be performed successfully.		
Press Done button to continue test.		
Cperating mode Go to	Print ?	

Successful adaptation screen, press "Done" button

Note: Although screen may say adaptation could not be performed successfully, <u>it was</u> performed successfully.

Guided Fault Finding Function Test Adapting Transmission Control Module software	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 2004 (4) Sedan BAA 3.2 L 162kW
Control module data, displaying	DIVISIZ E TOZRIT
Transmission Control Module (TCM number XXXXXXXX and the soft XXXX There are no additional software add this control module. End of test!	1) has the part ware version aptations for
Operating mode Go to	Print ?

- Control unit part number and software version level are displayed
- ⇐ Press "Done" button
- Switch ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
- When prompted, switch ignition to "ON" position and press "Done" button

Guided Fault Finding Test Plan	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.X L XXXkW		
System Test Plan			
User Test Plan			
OK Service action 90D7			
OK Adapting Comfort system central control module software			
	OK Adapting Engine Control Module (ECM) software		
OK Adapting Engine Co	ntrol Module (ECM) software		
OK Adapting Engine Co OK Adapting Transmiss	on Control Module (ECM) software		

- "OK" is displayed on screen in front of control module that has been checked or adapted
 "OK" is displayed on screen in front of control
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 "OK" is displayed on screen in front
 "OK" is displayed on screen i
- Select control module to be adapted, press the forward arrow button and go to:
 - Section E for <u>Criterion 21</u> Adapting Differential Control Module, Adapting Software
 - Section F for <u>Criterion 22</u> Adapt Instrument Cluster Software
 - If there are no other control modules to be adapted, go to Section G

<u>Criterion 21</u> Section E – Differential Control Module, Adapting Software



- Note: Prior to adapting differential control module software, differential motor on some vehicles may need to be replaced
- Raise vehicle on hoist to check differential motor part number
- If part number on differential motor is OAD 341 601A/B/C, <u>no new differential motor</u> <u>is needed</u>; continue with software updating
- If part number on differential motor is
 OAD 341 601, install new differential motor
 prior to performing software update

Tip: If differential motor requires replacement, be sure to reference ETKA for applicable part

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXKW			
Reading software version from control	Reading software version from control module.			
• The network cable at tester may connected, otherwise problems ca loading data records from CD.	not be n occur when			
Operating mode Go to	Print ?			

Make certain VAS 5051B network cable is disconnected and press "Done" button



Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Searching of data records	
Software in control module is curre not be adapted. Software adaptation for control mod canceled.	nt and must
Operating mode Go to	Print ?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
Software, adapting	Sedan XXX X.XL XXXkW
Reading of data records	
The following data record was fou control module and stored interme tester: Data record: 0AD927755XXXX	And for the ediately on the XX.sgo
Operating mode Go t	print ?

- Screen displays current control unit part number and software version
- ⇐ Press "Done" button to check for updates
- If this screen is displayed, control module does not require adapting, press "Done" button
 - Switch ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
 - When prompted, switch ignition to "ON" position and press "Done" button
 - Press "Done" button when end of test screen is displayed to return to user test plan screen for control module selection (shown at end of this Section E)
- If this screen is **not** displayed, continue to next step

- ⇐ Screen displays data records
- ⇐ Press "Done" button



Guided Fault F Function Test	Finding	Volks 7L - 1	wagen fouareg 200	V10.72.01 10/10/2006 3 > only USA/Canada
Software, adap	pting	200X Seda XXX X	(X) n CXL XXXkW	
Checking pre	-conditions			
Requirement module have SW-version XXXX Software ver XXXX	ts for software ad been met. number: rsion number afte	laptation of	control	Done
Ope	erating mode	Go to	Print	?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/20 7L - Touareg 2003 > only USA/Canad	
Software, adapting	200 X (X) Sedan XXX X.XL XXXkW	
Checking pre-conditions		
Software adaptation takes approx. 3 After pressing the -Continue- butto procedure can no longer be cancel Caution: • Switching ignition off or disconne diagnostic connector during adapta require replacement of control mod	3 minutes. 5 n the ed. acting fation may fulle!	
Operating mode Go to	Print ?	

Press "Yes" button to start control module adaptation

- Screen displays old and new software versions
- ⇐ Press "Done" button

- Control module adapting will take approx.
 3 minutes, do not disconnect VAS 5051B
 diagnostic tester from vehicle during updating
- ⇐ Press "Continue" button

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Job will be performed	
0% 18	100 %

Guided Fault Finding	Volkswagen V10.72.01 10/10/2006
Function Test	200 x (x)
Software, adapting	Sedan XXX X.XL XXXkW
End	
Software adaptation for control r be performed successfully.	nodules could not
Press Done button to continue test.	
	_
Country work	

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X)
Adapting Differential Control Module J646 software	Sedan XXX X.XL XXXkW
Control module data, displaying	
Differential Control Module now has number XXXXXXXXXX and the so XXXX There are no additional software ad this control module.	aptations for
End of test!	
Operating mode Go to	Print ?

- ⇐ Adaptation progress screen is displayed
- Wait for adaptation to finish

- ⇐ Control module has been adapted
- ⇐ Press "Done" button
 - Note: Although screen may say adaptation could not be performed successfully, <u>it was</u> performed successfully.
- Switch ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
- When prompted, switch ignition to "ON" position and press "Done" button
- Control module part number and software version are displayed
- ⇐ Press "Done" button

Guideo Test P	d Fault Finding Ian	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.X L XXXkW
Syster	m Test Plan	
l Isor T	Cest Plan	
OK Adapting Transmission Control Module (ECM) software		
OK Differential Control Module, adapting software		
- Adapt instrument cluster software		
- Adapting door control module software		
	Operating mode Go to	Print 2

- "OK" is displayed on screen in front of control module that has been checked or adapted
- Select control module to be updated, press forward arrow button and go to:
 - Section F for <u>Criterion 22</u> Adapt Instrument Cluster Software
 - If there are no other control modules to be adapted, go to Section G

<u>Criterion 22</u> Section F – Adapt Instrument Cluster Software

Switch ignition switch to "ON" position and press "Done" button

- Tester will check control module for need for replacement
- ⇐ Press "Done" button

Note: If a screen is displayed that indicates the instrument cluster must be replaced, **go to Section H**; otherwise, continue

Function Test Adapt instrument cluster software	7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
- Switch on ignition.	Done
Operating mode Go	Print ?

Volkswagen

V10.72.01 10/10/2006

Guided Fault Finding

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/200 7L - Touareg 2003 > only USA/Canada	
Adapt instrument cluster software	200X (X) Sedan XXX X.XL XXXkW	
Notes		
Using this function, it is possible to software of the instrument cluster. In particular cases the instrument replaced. For this evaluation, the p will be read out next. - Now press -DONE- button.	o adapt the Done	
Operating mode Go to	Print ?	

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/20 7L - Touareg 2003 > only USA/Canad 200X (X)
Adapt instrument cluster software	Sedan XXX X.X L XXXkW
Notes	
For this instrument cluster, the soft adapted. Instrument cluster must be adapt runs. In any case, let adaptation ru the end. Premature ending can lead to fu of the instrument cluster. In addition, the coding will be rear rewritten in the instrument cluster a adaptation.	ware must be pone ated in two In through to Inction inability ad out and after the
Cperating mode Go to	Print ?





- Software needs to be adapted and it will be done in two steps
- ⇐ Press "Done" button

- C Part number and software version are displayed
- ⇐ Press "Done" button

- If this screen is displayed, control module does not require adapting, press "Done" button
 - Switch ignition to "OFF" position, press "Done" button and wait approximately 10 seconds
 - When prompted, switch ignition to "ON" position and press "Done" button
 - Press "Done" button when end of test screen is displayed to return to user test plan screen for control module selection (shown at end of this Section F)
- If this screen is **not** displayed, continue to next step

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Reading of data records	
The following data record was fou control module and stored interme tester: Data record: SCHXXXX.sgo	nd for the diately on the
Cperating mode Go to	Print ?



Guided Fault Finding	Volkswagen V10.72.01 10/10/2006	
Function Test	200X (X)	
Software, adapting	Sedan XXX X.XL XXXkW	
Checking pre-conditions		
Requirements for software adaptation of control module have been met. SW-version number: XXXX Software version number after adapting software: XXXX		
Cperating mode Go to Print ?		

- ⇐ Data record for control module
- ⇐ Press "Done" button

Press "Yes" button to adapt control module software

- Current and new software versions are displayed
- ⇐ Press "Done" button

Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Checking pre-conditions	
Software adaptation takes approx. After pressing the -Continue- butt procedure can no longer be cance Caution: • Switching ignition off or disconn diagnostic connector during adapt require replacement of control mo	3 minutes. on the led. <i>Abart</i> <i>ecting</i> <i>ation may</i> <i>dule!</i>
Coperating mode Go to	Print ?

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X)
Software, adapting	Sedan XXX X.XL XXXkW
Job will be performed	
0% 18	100 %

\Leftarrow	Software update will take approximately 3
	minutes

WARNING! Switching ignition off or disconnecting diagnostic connector during adaptation may require replacement of control module

⇐ Press "Continue" button

- Pre-check screen appears for a short period of time
- ⇐ Screen shows adaptation progress

Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada
Software, adapting	Sedan XXX X.XL XXXkW
End	
Software adaptation for control mo be performed successfully. Press Done button to continue test	dules could not
Operating mode Go to	Print ?

- ⇐ Control module has been adapted
- ⇐ Press "Done" button
 - Note: Although screen may say adaptation could not be performed successfully, <u>it was</u> performed successfully

Guided Fault Finding Function Test Adapt instrument cluster software	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX X.XL XXXkW
Switching ignition off and on	
- Switch off ignition.	Done
Operating mode Go	o Print ?





Switch ignition to "OFF" position, press
 "Done" button and wait approximately 10 seconds

When prompted, switch ignition to "ON" position and press "Done" button

- Control module part number and software version are displayed
- Press "Done" button to start second phase of control module adapting





Guided Fault Finding Function Test Software, adapting	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X) Sedan XXX XXL XXXKW
Checking pre-conditions	
Requirements for software adapta module have been met. SW-version number: XXXX Software version number after ada XXXX	apting software:
Operating mode Go to	Print ?

- ⇐ Update for control module is displayed
- ⇐ Press "Done" button

C Press "Yes" button to start software adapting

- Control module software version and new software version are displayed
- ⇐ Press "Done" button



Guided Fault Finding Function Test	Volkswagen V10.72.01 10/10/2006 7L - Touareg 2003 > only USA/Canada 200X (X)
Software, adapting	Sedan XXX X.XL XXXkW
Job will be performed	
0% 18	100 %



 Software update will take approximately 3 minutes

WARNING!

Switching ignition off or disconnecting diagnostic connector during adaptation may require replacement of control module!

⇐ Press "Continue" button

⇐ Screen shows adaptation progress

- ⇐ Control module adaptation is completed
- ⇐ Press "Done" button

Note: Although screen may say adaptation could not be performed successfully, <u>it was</u> performed successfully





Guided Fault Finding	Volkswagen	Volkswagen V10.72.01 10/10/2006		
Function Test	7L - Touareg 200	03 > only USA/Canada		
Adapt instrument cluster software	Sedan XXX X.XL XXXkW	Sedan XXX X.XL XXXkW		
End of test				
The instrument cluster has the pa XXXXXXXXX and the software ve Coding isXXXX. There are no further software ada control module.	rt number ersionXXXX. ptations for this	Done		
End of test!				
Operating mode Go to	Print	?		

Switch ignition to "OFF" position, press
 "Done" button and wait approximately
 10 seconds

When prompted, switch ignition to "ON" position and press "Done" button

- Control module part number, software level and coding are displayed
- ⇐ Press "Done" button

Guideo Test P	d Fault Finding Ian	Volks 7L - T 200X Sedar	wagen ouareg 200 (X) 1	V10.72.01 1)3 > only USA	10/10/2006 /Canada
Syster	n Test Plan			vv	
-					
User T	fest Plan				
OK	K Adapting Transmission Control Module (ECM) software				
OK	OK Differential Control Module, adapting software				
OK	OK Adapt instrument cluster software				
-	Adapting door contro	ol module softwa	re		*
	Operating mode	Go to	Print	? 🛕	

Guided Fault Finding	Volkswagen V10.72.01 10/10/20	06			
Vehicle System Test	7L - Touareg 2003 > only USA/Canada	ada			
Fault memories will be erased Please wait	Sedan XXX X.XL XXXkW				
Immobilizer Motronic Engine Management Syster 6-speed Automatic Transmission 09D ABS/EDL/ASR/ESP 4Motion Mark 25	m	•			
All Wheel Drive (AWD) electronics to Level control system Differential electronics Tite pressure monitoring					
Airbag Climatronic 2-C Climatronic 4-C	<==				
Manual A/C system					
Diagnostic interface for drivetrain data-bus					
Parking aid					
Operating mode Go to	Print 🥎 🔨 🕨				

 "OK" displayed on screen in front of control module that has been updated

Tip: Adapting door control module software is not applicable to any vehicle in this update program

• If there are no other control modules to be updated, go to Section G

Section G – Erase DTCs

- If applicable, reinstall 15A fuse into position 35 in fuse box on left side of instrument panel and 15A fuse into position 17 in fuse box on right side of instrument panel
- If applicable, reinstall 60A fuse into position 1 and 30A fuse into position 2 located in fuse panel under hood
- Press "Go To" button and select "Exit"
- C Press "Exit" button and erasing DTCs memories will start
- Remove update CD ROM from VAS 5051B diagnostic tester
- After DTCs have been erased, generate readiness code ONLY IF ECM HAS BEEN ADAPTED
- Connect VAS 5051B diagnostic tester to on line connection and send vehicle diagnostic report
- If necessary, reset clock to correct time
- Set window pinch protection
- No further work is required

Section H - Instrument Cluster Replacement

- Press "Go To" button and select "Functions/Component Selection" and follow menu options in sequence:
 - Body
 - Electrical equipment
 - 01-Onboard Diagnostic (OBD) capable system
 - Instrument cluster
 - Functions of instrument panel insert
 - Instrument panel insert, adapting/replacing
- Follow instruction in User Test Plan Instrument Cluster Adapting/replacing

Removal and Installations Steps

 Using power or manual adjustment mechanism, pull steering wheel out completely and lock in lowest position



- Remove instrument panel side cover
- Pry trim strips -1- and -2- out of attaching clips



Remove screws 1- from upper cover piece of steering column -2- and remove it



- C Pull instrument panel trim -1- out of instrument panel hood near locking tabs -2-
- ⇐ Remove screws -3- and -4-
- ⇐ Remove instrument panel hood -5-



Remove screws -1- from upper cover piece of steering column -2- and remove it



Remove screws -1- from instrument cluster hood bracket -2-

⇐ Remove screws -1-

- Remove instrument cluster hood bracket -1in direction of arrow
- Remove instrument cluster and disconnect electrical connectors at rear of instrument cluster
- Return removed instrument cluster to your facing depot

- Install new instrument cluster (part number per ETKA) and reinstall hood bracket
- Secure hood bracket and instrument cluster with screws
- Reinstall upper cover piece over steering column
- Reinstall hood and instrument panel trim
- Reinstall trim pieces below instrument cluster an instrument panel end cover
- Adapt keys and immobilizer
- Reinstall15A fuse into position 35 in fuse box on left side of instrument panel and 15A fuse into position 17 in fuse box on right side of instrument panel
- Reinstall 60A fuse into position 1 and 30A fuse into position 2 located in fuse panel under hood
- Remove update CD ROM from VAS 5051B diagnostic tester
- Clear DTCs
- Connect VAS 5051B diagnostic tester to on line connection and send vehicle diagnostic report
- If necessary, reset clock to correct time
- Set window pinch protection

WORK IS COMPLETE



OWNER INFORMATION ABOUT CONTROL MODULE TUNING* ACKNOWLEDGEMENT AND AUTHORIZATION FOR REPROGRAMMING (REFLASHING) OF CONTROL MODULE(S)

*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc..

Date:	
Dealer Number:	
Vehicle Identification Number:	_
Repair Order Number:	

Dealer stamp

, owner or driver of the above identified Volkswagen, confirm:

"Tuning" as described above (especially power increasing modifications) has NOT been performed on my vehicle.

"Tuning" as described above has been performed on my vehicle and the following components were modified or installed:

<u>TUNING was performed by (Please provide Company name and telephone number, if you wish us to contact them):</u>

I understand that if my Control Module is determined to have been tuned, any damage caused by the tuning of the Control Module (including adverse emissions consequences) will not be covered by Volkswagen of America, Inc. warranties.

I am permitting an authorized Volkswagen Dealer to reflash (update) my Control Module, and by doing so, I understand that this process will automatically overwrite (destroy) and permanently delete any tuning program that was previously installed on the Control Module of my Volkswagen vehicle.

By signing below, I fully acknowledge and understand that the tuning program will not be restored and Volkswagen of America, Inc., will not be liable in any way for the loss of tuning data.

Signature of Customer

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