Important!

Please give copies to all your VW Technicians

Technical Bulletin

Subject: **Trailer Lights Inoperative, Update Programming (Flashing) Trailer Control Module**	**Group:** **01**
	Number: **05–12**
Model(s): **Touareg with Trailer Towing** **2004**	**Date:** **July 27, 2005**
Accessory Package	

Supersedes T.B. Group 01 number 04–11 dated May 17, 2004 due to removal from Required Vehicle Update status.

Condition

Trailer Lights are inoperative.

May require Trailer Control Module (J345) "Update - Programming" to increase electrical capabilities from 4 amps / 50 watts to 8.3 amps / 100 watts to accommodate trailers with large electrical draw.

Service

Tool requirements

◆ VAS 5051 or 5052 (with Basis CD V.06.05 and the Brand CD V.06.48 or higher) with old diagnosis logs erased prior to start.

◆ "Update - Programming" (flashing) CD W42TOUAREGTHCD.

◆ VAS 5051: connected to vehicle and to 110V AC Power supply at all times during procedure.

◆ VAS 5052: connected to vehicle with battery voltage requirements met.

Tip:

Additional copies of the "Update - Programming" CD (Literature Number W42TOUAREGTHCD) may be ordered from the Volkswagen Technical Literature Ordering Center at www.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 Control Module failure) (you must use an approved battery charger to maintain battery voltage).

◆ Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

◆ No Stored DTC's, erase any stored DTCs (see Tip on page 3).

⊕ **Note:**

◆ *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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PRIOR to performing procedure to "Update - Programming" (flashing) the Control Module:

◆ ALL fault memories must be interrogated and erased.

ℹ️ Tip:

Failure to erase ALL fault memories may cause "Update - Programming" (flashing) procedure to fail!

ℹ️ 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.*

– Select vehicle system "69 - Trailer function".

◀ – Select Diagnosis function "07 - Code control unit".

– Change coding from "1" to "2".

– Finish coding by selecting the backward arrow ◀ on navigation bar.

– Change coding from "1" to "2".

– Finish coding by selecting the backward arrow ◀ on navigation bar.

– Select Diagnosis function "06 - End output".

– Select Diagnosis function "00 - Collection services".

– Select "Check DTC memory - complete system". which will interrogate all fault memories.

– Erase ALL fault memories.

Vehicle Self-Diagnosis	69 - Trailer function
	Control Module Part Number
Select	Ctrl. Mod. description / software level
diagnosis function	Coding XXXXX
	Dealership number XXXXX

02 - Interrogate fault memory
03 - Final control diagnosis
04 - Basic settings
05 - Erase fault memory
06 - End output
07 - Code control unit
08 - Read data block
09 - Reading individual measuring value
10 - Adaption
11 - Log-in procedure
Update - Programming

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Vehicle Self-Diagnosis	69 - Trailer function
	Control Module Part Number
Select	ECM description and software level
	Coding 2
diagnosis function	Dealership number XXXXX
02 - Interrogate fault memory	
03 - Final control diagnosis	
04 - Basic settings	
05 - Erase fault memory	
06 - End output	
07 - Code control unit	
08 - Read data block	
09 - Reading individual measuring value	
10 - Adaption	
11 - Log-in procedure	
Update - Programming	

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Once ALL fault memories have been erased:

– Install "Update - Programming" (flashing) CD in diagnostic tool.

– Select vehicle system "69-Trailer function".

◀ – Select "Update - Programming" option at bottom of screen.

ⓘ Note:

Once "Update - Programming" function has been started, switching ignition OFF or disconnecting the diagnostic connector may completely destroy the Control Module.

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
	Ctrl. Mod. description / software level
	Coding XXXXX
Programming can be carried out.	Dealership number XXXXX

WARNING!

The programme version stored in the 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 identification may change.
Vehicle specific data (coding, adaptation etc.) might be lost. It must be checked after successful programming

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!

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"Update - Programming" (flashing), performing

◀ After selecting "Update - Programming" function:

– By selecting the forward arrow ▶ on navigation bar, the programming procedure begins.

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
Programming in progress	Ctrl. Mod. description / software level
	Coding XXXXX
	Dealership number XXXXX

Data Transfer in %

0   11   100

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◄ ◆ Similar screen appears:

◆ Previous data in the Control Module is erased and new data is being transferred to the module from the flash CD.

ⓘ Tip:

Approx. flashing time is 5 minutes.

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
Programming in progress	Ctrl. Mod. description / software level
	Coding XXXXX
	Dealership number XXXXX

Data Transferred in %

Diagnosis bus faulty

No voltage or voltage too low on diagnostic bus

Is the battery voltage from the vehicle too low?
Is the diagnostic connector connected to the vehicle?

Repeat   Cancel

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ⓘ Tip:

◄ *If, during the "Update - Programming", a fault message is displayed:*

– Confirm that VAS 5051 or VAS 5052 diagnostic tool power supply is adequate and that ALL appliances with high electromagnetic radiation (i.e. mobile phones) are switched OFF.

– The "Update - Programming" (flashing) process must then be started from the beginning using the "Repeat" button (arrow). DO NOT use the "Cancel" button.

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
Programming log	Ctrl. Mod. description / software
Save result?	Coding XXXXX
	Dealership number XXXXX

Expanded identification old	Expanded identification new
XXXXXXXXXX	XXXXXXXXXX
Description and software level	000X
Coding xxxxx	
Dealership number xxxxx	Dealership number xxxxx
Unit number 942	Unit number 0
Importer number 444	
Programming status	
Status	No malfunction
Counter programming status	1
Counter successful attempts	1
Programming pre-condition	fulfilled

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ⓘ Tip:

On NO occasion should the "Cancel" button be selected.

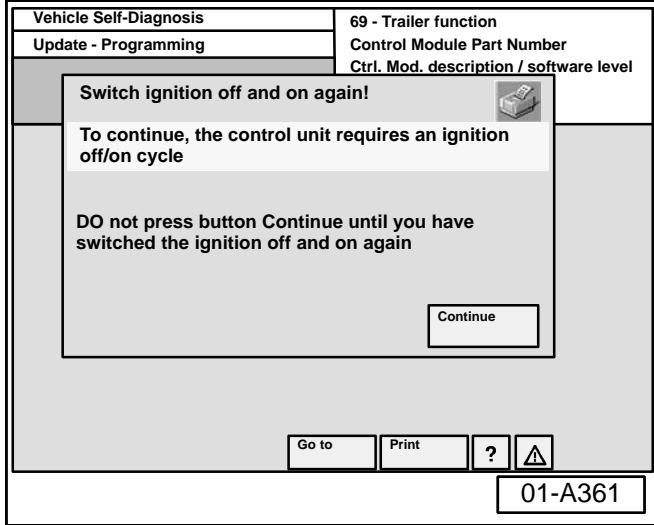Once "Update - Programming" (flashing) is complete:

◄ ◆ Similar screen appears.

◆ New Control Module Part Number and updated software level is displayed at (arrows).

Once "Update - Programming" (flashing) is complete, the control module must be re-initialized.

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
	Ctrl. Mod. description / software level

Switch ignition off and on again!

To continue, the control unit requires an ignition off/on cycle

DO not press button Continue until you have switched the ignition off and on again

Continue

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– Select the forward arrow ▶ on navigation bar.

◀ ◆ The tester requests you to switch the ignition OFF.
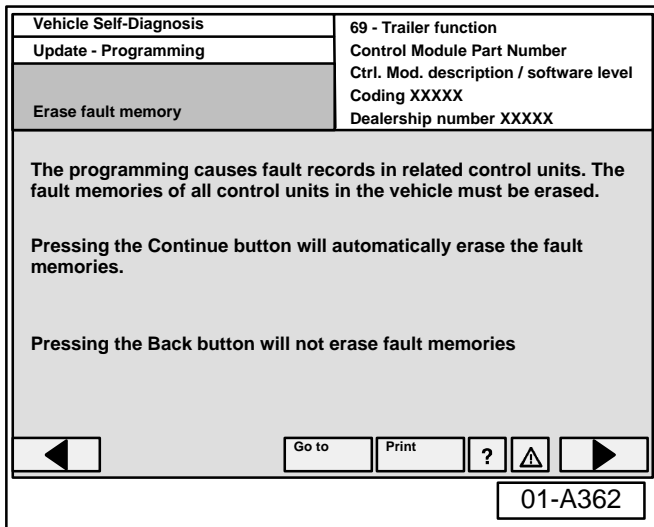
– Switch ignition OFF.

ℹ️ **Tip:**

◆ Wait at least 20 seconds before switching the ignition back ON (failure to wait at least 20 seconds may damage the Control Module).

After waiting 20 seconds:

– Switch ignition ON.

After switching ignition ON, the Control Module has been re-initialized, however, fault memories must now be erased.

– Select the "Continue button"

Vehicle Self-Diagnosis	69 - Trailer function
Update - Programming	Control Module Part Number
	Ctrl. Mod. description / software level
	Coding XXXXX
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

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Fault memories, erasing after "Update - Programming" (flashing)

Due to the CAN bus system, fault messages will be stored in various Control Modules during programming.

◀ To erase ALL fault memories:

– Confirm by selecting the forward arrow ▶ on navigation bar.

◆ Erase fault memories takes approx. 15 minutes.

Vehicle Self-Diagnosis	69 - Trailer function
Update Programming	Control Module Part Number
DTC memories are erased	Ctrl. Mod. description / software level
	Coding XXXXXX
Function ended	Dealership number XXXXX

Vehicle systems with erased fault memories:

47 - Sound system
6E- Roof Display-/ Control Head
08 - Air conditioning/heating electronics
68- Wiper electronics
09 - Electronic central electrics
19 - Diagnostic interface for data-bus
29 - Light control left
39 - Light control right
69 - Trailer function

Function ended!

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Once fault memories have been erased:

◄ ◆ Similar screen appears.

◆ Function ended appears at bottom of screen.

– Finish update of Control Module by selecting the backward arrow ◄ on navigation bar.

Vehicle Self-Diagnosis	69 - Trailer function
	Control Module Part Number ◄
Select	Ctrl. Mod. description / software le ◄
diagnosis function	Coding XXXXX
	Dealership number XXXXX

02 - Interrogate fault memory
03 - Final control diagnosis
04 - Basic settings
05 - Erase fault memory
06 - End output
07 - Code control unit
08 - Read data block
09 - Reading individual measuring value
10 - Adaption
11 - Log-in procedure

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◄ ◆ Similar screen appears.

◆ New Control Module Part No: 7L0 907 383G and updated software level "8854" will appear at arrows.

◆ Flash CD can now be removed from VAS 5051 or VAS 5052 Diagnostic tool.

– Print the "69-Trailer function" screen to verify Control Module update software level.

– Attach print to vehicle Repair Order.

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:	
Claim Type:	**W2**
Part Identifier:	**6690**
Damage Code:	**6690 39 000 1**
Labor Operation: Includes all operations necessary to complete repair	**6690 9999 Use A-Time Maximum A-Time allowed 60 TU**
Diagnostic Time:	**No Diagnostic time allowed**
Claim Comment: Type "As per Technical Bulletin V0105XX" in comment section of Warranty Claim	