

Technical Bulletin



Condition

Update Programming Engine Control Module to Address DTCs P0300-P0304 and P0441

01 06 26 Dec. 21, 2006 2010348 Supersedes T. B. Group 01 number 05-08 dated May 26, 2005 due to additional model years and inclusion into Elsaveb.

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta, Jetta Wagon, GTI	2002 - 2004	1.8L (AWP)	All	All	All

Technical Background

Updated ECM software that addresses:

- DTCs P0300, P0301, P0302, P0303, P0304
- DTC P0441 being registered in fault memory at ambient temperatures below 5 degrees Celsius (40 degrees Fahrenheit).



Note:

Do not diagnose or replace Evaporative system components, including the Evaporative system purge valve -N80-, before performing the update function as explained in this bulletin.

Engine Control Modules Affected:

Part No.	Index
06A906032	HS, LP, NK
	ML, PL, RN
	HF, LQ, NL

Production Solution

Software concern was identified after end of production.

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Service

PROCEDURE:

Engine Control Module Update - Programming (Flashing)



Tip:

When performing the update programming 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 update programming procedure first.

The following "Update - Programming" (flashing) process may overwrite any "TUNED" ECM programming. A "TUNED" ECM is described as any ECM 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, prior to performing the "Update - Programming" (flashing) procedure:

Your Dealership should place the vehicle owner on notice in writing, that their ECM was found to have been tuned, and that any damage caused by the tuning of the ECM (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 update programming, which will automatically wipe out the "Tuning" program, your Dealership should advise the owner of the above and get Owner's written consent (see attached Control Module Tuning form) to the update programming procedure.

Tool requirements

VAS 5051 or VAS 5052 (with Base CD V.10.01 and the Brand CD V.10.70.00 or higher).

"Update - Programming" (flashing) CD W42A40104SWU.



Tip:

Additional copies of the "Update - Programming" CD (Literature Number W42A40104SWU) may be ordered from the Volkswagen Technical Literature Ordering Center at www.vw.ddsld.com www.vw.resolve.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 ECM failure) (use an approved battery charger INC940 to maintain battery voltage).

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.

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

When performing the update programming 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 update programming procedure first.



Note:

Non-observance of the following points may lead to ECM failure! VAS 5051 or VAS 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 update programming procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.



Tip:

Before update programming, delete the fault memory in the ECM. Update programming is not possible when an EEPROM fault is active.

Reprogram ECM with CD - Part number W42A40104SWU.

Insert the programming CD into the VAS 5051 / 5052, and access the ECM.



Tip:

If the update programming button does not appear, the latest version has already been installed to the level below.

- Programming starts by pressing the "Update Programming" button and following the on screen prompts.



Note:

Once update programming begins, on NO occasion should the Cancel button be selected.

- Press the "Update Programming" button.



Tip:

Once update programming is complete, it is recommended to use 1001- Compiling Services prompt to clear faults stored in various control modules.

Reset readiness code.

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Updated Engine Control Module		
Part No.	Index	Software
06A906032	SK	0030
	SM	0030
	SL	0030

Warranty

When procedure applies to vehicles within the New Vehicle Limited Warranty, use the following:	
Claim Type:	W2
Part Identifier:	2470
Damage Code:	2470 39 000 1
Due to the varying complexity of tester software and vehicle systems checked by the tester, actual time may vary, therefore A-Time must be used.	
Labor Operation: Includes all operations necessary to complete repair	24709999 = Maximum A-Time allowed 130 TU
Diagnostic Time:	No Additional Diagnostic Time Allowed
Claim Comment: Input "As per Technical Bulletin 2010348" in comment section of Warranty Claim.	

Required Parts and Tools

Description	Part No:	Quantity
CD	W42A40104SWU	1

No Special Tools required.



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

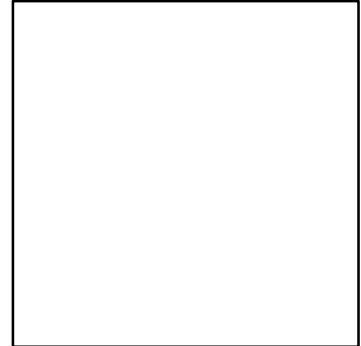
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen of America, Inc..

Date: _____

Dealer Number: _____

Vehicle Identification Number: _____

Repair Order Number: _____



Dealer stamp

I _____, 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:

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

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

