



Subject: MIL ON, Glow Plug Faults Stored in ECM, Bosch Glow Plug

Number: PT01-08-28

Model(s): See Model Table Below

2004 - 2005

Date: Oct. 22, 2008

Condition

Model Year	Model	Engine	Transmission
2004-2005	(A4) Jetta, Jetta Wagon	1.9L (BEW)	All
2004-2005	Golf	1.9L (BEW)	All
2004-2005	New Beetle	1.9L (BEW)	All
2004-2005	(B5) Passat, Passat Wagon	2.0L (BHW)	All
2004	Touareg	5.0L (BKW)	All

One or more of the following fault codes may be stored in the ECM Fault Memory:

DTC	Description
P0671	Cylinder 1 Glow Plug Circuit
P0672	Cylinder 2 Glow Plug Circuit
P0673	Cylinder 3 Glow Plug Circuit
P0674	Cylinder 4 Glow Plug Circuit
P0675	Cylinder 5 Glow Plug Circuit
P0676	Cylinder 6 Glow Plug Circuit
P0677	Cylinder 7 Glow Plug Circuit
P0678	Cylinder 8 Glow Plug Circuit
P0679	Cylinder 9 Glow Plug Circuit
P0680	Cylinder 10 Glow Plug Circuit



- Diagnose cause of glow plug faults following normal diagnostic procedure
- Install replacement glow plugs Part No. N10591607 as a complete set.
- Update ECM software.

**Note:**

DO NOT install glow plugs Part No. N10591607 in an engine equipped with NGK glow plugs.

Failure to update ECM programming after installing new glow plugs will result in glow plug system failure.

Service

**Tip:**

The “Pass – Thru Vehicle Programming” process may overwrite any “TUNED” ECM/TCM programming.

A “TUNED” ECM or TCM is described as any ECM or TCM altered so as to perform outside the normal parameters and specifications approved by Volkswagen Group of America, Inc..

If you encounter a vehicle with a “Tuned” ECM or TCM, prior to performing the “Pass–Thru Vehicle Programming” procedure:

- Your Service Center 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 Group of America, Inc. warranties.



- For any repair requested by the owner under warranty or outside warranty that requires Pass - Thru Vehicle Programming, which will automatically wipe out the “Tuning” program, your Service Center should advise the owner of the above and get Owner’s written consent (see attached Control Module Tuning form) to the flashing procedure.

Vehicle requirements:

- ◆ **Battery MUST have minimum no-load charge of 12.5V** (failure to maintain voltage during update process can lead to ECM/TCM failure)
- ◆ Battery voltage must be maintained throughout procedure (always use an approved battery Charger / Maintainer).
- ◆ Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.
- ◆ No Stored DTCs, erase any stored DTCs.

Tool requirements:

- ◆ Pass - Thru Vehicle Programming tool must be connected to the vehicle Data Link Connector (DLC) and is connected to an Internet connection (Persistent connection is recommended).
- ◆ Approved Battery charger.

Pass - Thru

Vehicle Programming



! **Note:**

Under no circumstances should the diagnostic connector or the Programming tool be unplugged during the Pass - Thru Vehicle Programming procedure (damage to the ECM / TCM can occur).

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

The electric cooling fans may be activated during the ECM updating procedure.

Procedure:

- Click on "Continue" to proceed and follow the prompts to update ECM/TCM to software level below.

Model	Engine	Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)
Jetta/Golf/ Jetta Wagon	1.9L (BEW)	038 906 016H	6327	038 997 016L	1386
			6210		
			5675		
			5375		
			5284		
			5263		
			5251		
			5167		
			4948		
			4782		

Pass - Thru

Vehicle Programming



Jetta/Golf/ Jetta Wagon	1.9L (BEW)	038 906 016Q	6110 5843	038 997 016L	1386
Jetta/Golf/ Jetta Wagon	1.9L (BEW)	038 997 016H	8008	038 997 016L	1386
New Beetle	1.9L (BEW)	038 906 016J	6328 6223 5443 5376 5285 5250 5168 4949	038 997 016M	2878
New Beetle	1.9L (BEW)	038 906 016P	7000 6111 5859	038 997 016M	2878
Passat	2.0L (BHW)	038 906 016L	6417 6036 5978 5656 5377	038 997 016N	1388
Passat	2.0L (BHW)	038 906 016R	6416 6222	038 997 016N	1388
Passat	2.0L (BHW)	038 906 016R	8900	038 997 016N	1388
Touareg	5.0L (BKW)	070 906 016BG	<u>6366</u> 5979 5676	070 997 016R	2813

After Pass - Thru Vehicle Programming has been completed:

- Vehicle readiness code must be set.

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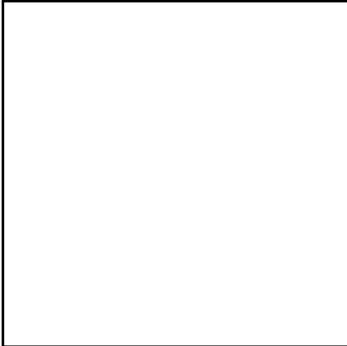
5 of 5 plus attachment



**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 Group of America, Inc..

Date: _____
Service Center: _____
Vehicle Identification Number: _____
Repair Order Number: _____



Service Center 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 Group of America, Inc. warranties.

I am permitting this Service Center 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 Group of America, Inc., will not be liable in any way for the loss of tuning data.

Signature of Customer