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Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2019	All	All	BU_KM000250	BU_KM270162
Jetta GLI	2019	All	All	BU_KM100374	BU_KM260444
Golf	2018-2019	All	All	AU_JM272003	AU_KM037049
Golf GTI	2018-2019	All	All	AU_JM272019	AU_KM034945
Golf Sportwagon	2018-2019	All	All	BX_JM761978	BX_KM521513
Tiguan	2019-2020	All	All	AX_KM011157	AX_LM016972


Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2056436/1	12/16/2019	48-19-01	Original publication.

One or more of the following fault codes may be stored in the Steering Gear Control Module -**J500** :

DTC	Description
C10AC07	Steering Mechanical Malfunction

 **Note:**

DO NOT diagnose or replace any components due to fault C10AC07 **before** performing the update function as explained in this bulletin.

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Technical Background

Current Steering Gear Control Module -**J500**- causing erroneous faults.

Production Solution

Improved software implemented into production.

Service

Update-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.



WARNING:

Radiator Fan(s) may cycle ON high speed during the Update Process! There is a risk that personal injury may result if contact is made with spinning fan blades.

Keep hands and all objects away from Radiator Fan(s) during Update Process!



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, 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.




Tip:

To Update-Programming using Software Version Management (SVM), **review and follow** instructions in **Technical Bulletin Instance 2014603** "Software Version Management".

The SVM process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.

Update the Steering Gear Control Module -J500- using the SVM Unit code as listed in the table below:

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Model	Engine	Old Software Part no.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
2019 Jetta	All	5QM 909 144 B	1081	5QM 909 144 C	1082	430F
2019 Jetta GLI	All	5QN 909 144 A	5081	5QN 909 144 B	5082	430F
2018-2019 Golf	All	5QM 909 144 B	1081	5QM 909 144 C	1082	430F
2018-2019 Golf GTI	All	5QN 909 144 A	5081	5QN 909 144 B	5082	430F
2018-2019 Golf Sportwagon	All	5QM 909 144 B	1081	5QM 909 144 C	1082	430F
2019-2020 Tiguan	All	5QM 909 144 B	1081	5QM 909 144 C	1082	430F



Tip:

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.


Ensure attached ECM/TCM Tuning Form has been completed and signed by customer as required in SVM Technical Bulletin Instance 2014603.

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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	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Jetta	2019	All	All	BU_KM000250	BU_KM270162
Jetta GLI	2019	All	All	BU_KM100374	BU_KM260444
Golf	2018-2019	All	All	AU_JM272003	AU_KM037049
Golf GTI	2018-2019	All	All	AU_JM272019	AU_KM034945
Golf Sportwagon	2018-2019	All	All	BX_JM761978	BX_KM521513
Tiguan	2019-2020	All	All	AX_KM011157	AX_LM016972
SAGA Coding					
Claim Type:	Use applicable Claim Type 1)				
Service Number:	Damage Code	HST		Damage Location (Depends on Service No.)	
4835	0040	--		--	
Parts Manufacturer	Jetta, GLI, Golf, GTI, Golf Sportwagon, Tiguan			3ME 2)	
Labor Operation 3) : Charge Battery			27068950 = See ELSA for latest time units.		
Labor Operation 3) : Update Programming			See GFF Time expenditure		
Causal Part: Select Labor Operation			01500000		
Diagnostic Time 4)					
GFF Time expenditure	01500000 = 50 TU max.		YES		
Road Test	01210004 = 10 TU		YES		
Technical Diagnosis	01320000 = 00 TU max.		NO		
Claim Comment: Input "As per Technical Bulletin 2056436" in comment section of Warranty Claim.					

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- 1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only
- 2) Code per warranty vendor code policy.
- 3) Labor Time Units (TUs) are subject to change with ELSA updates.
- 4) Documentation required per Warranty Policies and 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	VAS6150/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.