



24-20-01 - Software Update for New Installation of Volkswagen Accessory Remote Start

Release date: 5/19/2020

Condition

Applicable Vehicles						
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To	PR Codes
Passat	2019	All	All	All	All	#7U

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2059317/2	5/19/20	24-20-01	Revise title, condition description, and restrict applicability by PR codes.
2059317/1	4/24/20	24-20-01	Original publication.

If Volkswagen accessory remote start has been newly installed, then it is necessary to update the ECM software to enable correct remote start functionality (applicable to above model and model year only).



Note:

This bulletin does not apply to vehicles covered by service action 24FN. Applicable warranty reimbursement (if any) for performing this bulletin will not be paid for any vehicle that is already covered by service action 24FN.



Tip:

The PR code #7U will replace PR code 7U2 in the vehicle PR code list only when Volkswagen accessory remote start has been installed on the vehicle.

Technical Background

A software error in the Engine Control Module (ECM) **-J623-** prevents the remote start running time counter from being reset when a driver cycles the ignition. Instead, after 20 minutes of total remote start running time is reached, any further attempts to use remote start will be cancelled automatically (the engine will crank, run for a second, and then stop).

Production Solution

Corrected software for the Engine Control Module **-J623-** since the start of model year 2020 production.

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Service

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 Diagnostic Device Hardware & Windows® - VHW-20-02 Change Power Options After Windows®10 Upgrade. 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 6154 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.



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Update the Engine Control Module -J623- Software

- Start GFF and allow the full vehicle scan to complete.
- Select the “Special Functions” tab.
- Under “Software version management” select “Adapting software.”
- Select “Software update via measure code.”
- Enter the SVM code as indicated in the table below.
- Follow the on-screen prompts to complete the software update.

Old Software Part No.	Old Software Version	New Software Part No.	New Software Version (or higher)	SVM Unit Code
06K 906 016 D	SW 5500	06K 906 016 D	9887	43FE
	SW 6103			
	SW 6243			
	SW 7163			



Tip: 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



Note:

This bulletin does not apply to vehicles covered by service action 24FN. Applicable warranty reimbursement (if any) for performing this bulletin will not be paid for any vehicle that is already covered by service action 24FN.

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾						
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To	PR Codes
Passat	2019	All	All	All	All	#7U
SAGA Coding						
Claim Type:	Use applicable Claim Type ¹⁾					
Service Number:	Damage Code		HST		Damage Location (Depends on Service No.)	
2470	0039		2059317		--	
Parts Manufacturer		Passat		ZSC ²⁾		
Labor Operation ³⁾: Charge Battery			27068950 = 10 TU			
Labor Operation ³⁾: Update Programming			See GFF Time Expenditure			
Causal Part: Select Labor Operation			01500000			
Diagnostic Time ⁴⁾						
GFF Time expenditure	01500000 = Actual GFF print out – 75 TU max.			YES		
Road Test	01210002 = 00 TU 01210004 = 00 TU			NO		
Technical Diagnosis	01320000 = 00 TU max.			NO		
Claim Comment: Input “As per Technical Bulletin 2059317” 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/Maintainer	GRX3000VAS or MTRMSP0702
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with ODIS tester base version 5.2.6 or higher, and the baseline version 2.40.1 or higher

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.

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

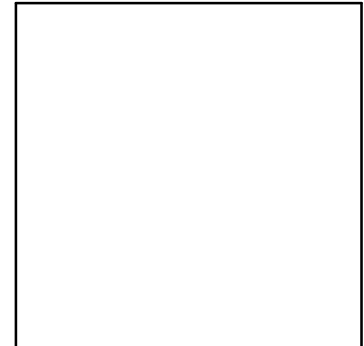
*) "TUNING" is described as the addition of or modification of any component which causes a Volkswagen vehicle to perform outside the normal parameters and specifications approved by Volkswagen Group of America / Volkswagen Group Canada.

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 VWGoA / VGC 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 VWGoA / VGC, will not be liable in any way for the loss of tuning data.

Signature of Customer