VOLKSWAGEN

Group Motorsport

Audi Sport customer racing   **CUPRA** RACING   **Volkswagen** Motorsport

2018 ECU update procedure

Application to:

❑ VAG cars with Sequential gear box
❑ VAG cars with DSG gear box

TN_VAG_07/ 2018

/ DiagRA LE update procedure

➢ You must have the DiagRA-LE tool updated, the proper version will be from **4.3.321** 26.03.2018 onwards.

➢ Connect the laptop to the car using the OBD-II diagnostics tool and enter to the **Self Diagnosis - Analysis Mode**.

➢ Select **01 Engine Control Module** / **001 - ECU Identification** and press the Start button to connect with the ECU.

➢ Check the identifier **F17C** to obtain the **ECU Production Test System Number** and **Consecutive Supplier Number.**

➢ Fill in the "request form" that you can find at the end of this document and send it to the following addresses:

technical.assistance@seat.es   customers@seat.es

➢ The customer will be answered by e-mail with a Files Package update that will contain the 2018 TCR BoP approved mappings within 2 to 4 working days. This package has to be installed on the laptop where DiagRA LE is installed.

➢ Once the installation has been successfully done, the Flash Programming option will be allowed with the different mappings.

➢ These mappings can be overwritten repeatedly, but it is specific for the "ECU" that you sent the ID numbers.
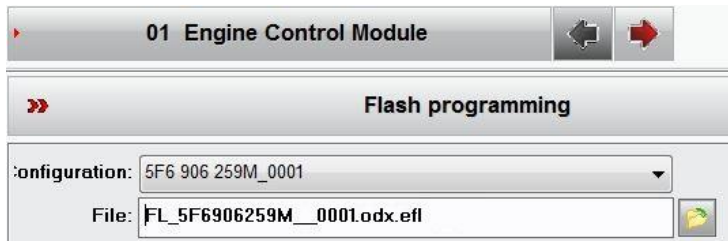
IMPORTANT!

➢ The ID numbers needed are the also written on the ECU identification label. In case that your DiagRA LE is not ready, you can copy them on the request form and send it, but remember that you will need DiagRA LE to flash the mapping.

➢ Remember that the new mapping is compulsory to participate in all TCR races and that the electronic identification is homologated on the 2018 TCR Technical Form and FIA Technical Passport.

➢ Remember that all information regarding DiagRA LE tool is available on the VW Group Motorsport – Online Platform.

/ Flashing procedure

➢ Once the installation has been successfully done, the Flash Programming option will be allowed with the different mappings. The mapping performance will be detailed on the file name to avoid misunderstandings.

➢ Before starting the flashing process, disconnect the Sybele Gearbox Control Unit placed on the engine bay EM-BOX.

➢ Connect the laptop to the car using the OBD-II diagnostics tool and enter to the **Self Diagnosis - Analysis Mode**.

➢ Select **01 Engine Control Module** / **001 - ECU Identification** and press the Start button to connect with the ECU. You can check the current mapping that is installed on the ECU.

➢ Select **Flash programming** and select the desired flashing file in the **Configuration** label. For more info about the mapping, push the **File** button below.

➢ After finishing the flashing process, return to the identification menu to check that the mapping name (F187) and the VW Coding Value (0600) have been written.

01 Engine Control Module		
Flash programming		
Configuration:	5F6 906 259M_0001	
File:	FL_5F6906259M___0001.odx.efl	

01 Engine Control Module	
001 - ECU identification	
ID / Name	Value
F17C / VW FAZIT Identification String	
ECU Production Plant Number	SJ8-FST
ECU Manufacturing Date	17.06.17
ECU Production Test System Number	1136
Consecutive Supplier Number	0328
F187 / VW Spare Part Number	5F6906259M
F189 / VW Application Software Version Number	0001
F190 / Vehicle Identification Number	SAUMEE5FZ15021201
F191 / VW ECU Hardware Number	06K907425B
F197 / VW System Name Or Engine Type	2.0l R4 TFSI
0600 / VW Coding Value	0B 1D 00 12 24 14 00 08 00 00

/ 2018 ECU update request form

BE FILLED BY THE CUSTOMER				
Customer name / Team name			**Contact Person**	
E-mail address			**Contact Telephone**	

Work to do				
Specific repair			ECU 2018 Update	X
Comments				

Car model (Audi / CUPRA / VW)	Type (SEQ or DSG)	Chassis number (last 4 numbers)	ECU code numbers (xxxx - xxxx)	

TO BE FILLED BY WAREHOUSE		
Request date:		
Expedition date		