

Extended CYBER SECURITY PROTECTION (SFD2/UNECE) on VAG vehicles from model year 2024

SFD2 and or UNECE are parts of an extended CSM protection and can be integrated in VAG vehicles from model year 2024 onwards in different levels. Depending on the level the degree of protection is higher or lower.

GOAL OF THE INFORMATION:

Help and support of all users in diagnosing VAG vehicles from model year 2024 onwards.

CURRENT STATUS:

VAG vehicles from model year 2024 onwards have an additional protective software function installed. The "diagnostic interface" ECU has implemented a "diagnostic filter".

Diagnostic functions are only available with restrictions are not at all if the diagnostic filter is active.

WHAT ARE THE CHARACTERISTICS OF A VEHICLE WHICH IS EQUIPPED WITH EXTENDED CSM PROTECTION (SFD2/UNECE)?

A fault message (timeout / ECU not available) appears shortly after communication setup if the diagnostic filter is active.

CURRENTLY AFFECTED VEHICLES:

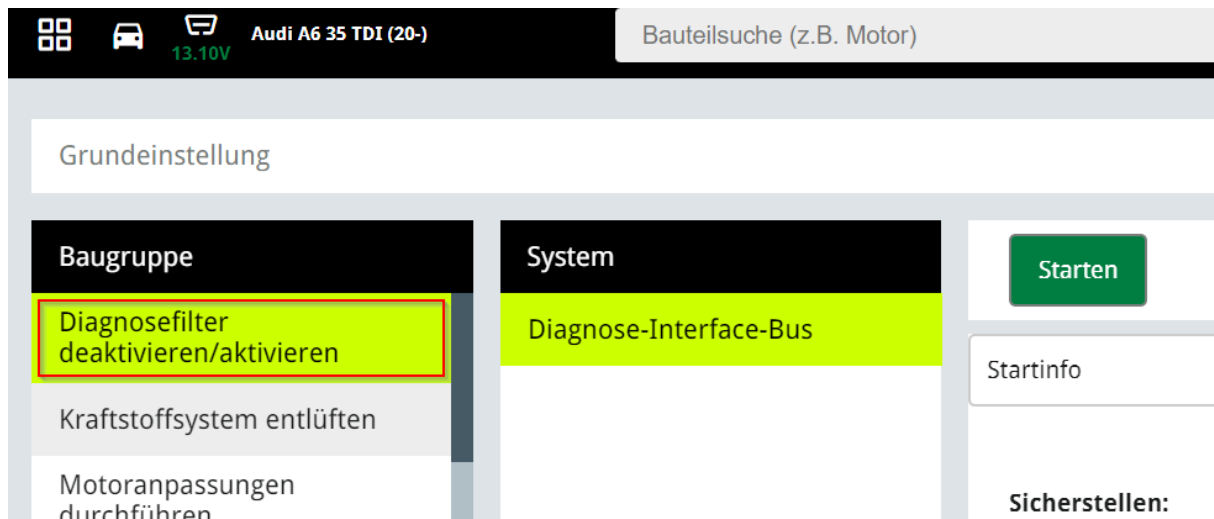
Currently known PR codes, at which the ECUs are protected by SFD2 and or UNECE:

PR code	Meaning	SFD level
N10	without UNECE CS&SU	SFD
N11	with UNECE CS&SU	SFD2
N17	with UNECE CS (R155) and without SU (R156)	SFD2
N18	without UNECE CS (R155) and SU (R156) with SFD2-SG	SFD2
N19	with UNECE CS&SU for countries without UNECE demands	SFD2

PROCEEDING FOR VEHICLE DIAGNOSTICS

The diagnostic filter must be deactivated before starting the vehicle diagnostics. For this purpose we have added another menu point under >Basic setting< from software version 74 onwards. Proceed as follows if a fault message (timeout / ECU not available) appears during communication setup:

1. Connect the diagnostic device with the OBD port.
2. Open the engine hood.
3. Switch on ignition.
4. Select the vehicle.
5. Select Basic setting > Activating/deactivating diagnostic filter.
6. Perform the CSM login.



ADDITIONAL INFORMATION:

Precondition is a valid Hella Gutmann CSM access (Cyber Security Management). For all models the function is located on the top under >Basic setting<. Many functions are available again if the diagnostic filter has been deactivated. However, there are exceptions. It can happen that coding procedures in many ECUs are not longer possible.

Further adaptations will follow with software version 75 on.

ALTERNATIVE:

If you require diagnostic functions, which are blocked by VAG via SFD2 access and which cannot be performed with the diagnostic device, then there is the possibility for some functions use our macs remote service.

WHAT IS UNECE:

On 24 June 2020, the currently valid UNECE regulations have been concluded by the UNECE World Forum for Harmonization of Vehicle Regulations. Since July 2022, these regulations have been valid for all new passenger cars, full-size cargo vans, trucks and buses. This regulation applies from 01 July 2024 onwards for all new vehicles produced from this date on regardless of whether it is a new model or an already existing model.

Please visit the web site of the UN to get further information about UNECE R155 & R156. The pages are linked here:

[UN Regulation No. 155 - Cyber security](#)

[UN Regulation No. 156 - Software update](#)