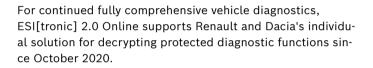# BOSCH

ESI[tronic] 2.0 Online

News 2021 | 2

- Security Gateway solutions for Renault and Dacia
- Working on access-protected vehicles with KTS 250

Access to protected Renault and Dacia vehicles

For continued fully comprehensive vehicle diagnostics, ESI[tronic] 2.0 Online supports Renault and Dacia's individual solution for decrypting protected diagnostic functions since October 2020.

To unlock advanced diagnostic functions, the Renault and Dacia solution requires the use of a hardware token (USB stick) and a software application called "Unlock Gateway module" provided by Renault Group.

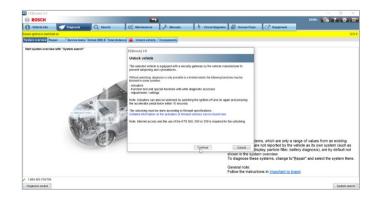**The security concept of Renault and Dacia provides for the following steps:**

- Creating a Renault account
- Ordering and purchasing hardware token and software "Unlock Gateway module"
- Installation of the token driver and Renault software "Unlock Gateway module"
- Connecting KTS 560, 590 or 350 to OBD
- Starting the application "Unlock Gateway module"
- Start ESI[tronic] 2.0 Online and run diagnostic session

Renault's and Dacia's concept is based on a Security Gateway solution with PassThru technology. Therefore the use of a communication module with PassThru interface according to SAE J2534 is required. KTS 560, KTS 590 and KTS 350 from Bosch meet all the necessary requirements. Furthermore, an internet connection is a prerequisite.

With the update 2021 | 2, ESI[tronic] 2.0 Online informs the user via a pop-up message as soon as a vehicle is equipped with Security Gateway. This saves time for the workshop and gives a good orientation. Furthermore, it ensures that the user always knows when the Renault and Dacia solution is required.

Without activation, the scope of the available diagnostic functions is limited and the following functions may be disabled:

- Actuators
- Function test and special functions with write diagnostic access
- Adjustments/settings

KTS 250:
Working on access-protected vehicles

Following an EU regulation which came into force in September 2020, FCA (Fiat Chrysler Automobiles) has introduced in-depth protection of vehicle electronics.

KTS 250 will also provide its users with the function of performing full diagnostic sessions on Fiat, Alfa Romeo, Abarth, Chrysler, Lancia, Dodge/Ram and Jeep vehicles protected by the Security Gateway. In cooperation with FCA (Fiat Chrysler Automobiles), the reliable diagnosis is possible directly with the KTS 250, as users already know from the ESI[tronic] 2.0 Online.

In the case of a protected vehicle, KTS 250 informs the user and guides him through the secured diagnosis quickly and specifically.

A link in the settings of the KTS 250 allows direct registration on the FCA website to acquire the necessary authentication data. The obtained login data of the FCA portal can then be stored in the device.

In the settings the user finds the new tab "Manufacturer logins". Here the link to the FCA website for registration can be accessed. In addition, the user will also find a detailed process description here, in order to make the entry as simple as possible.

Always up-to-date

Up-to-date data and information are the basis for efficient vehicle diagnosis, maintenance and repair. Every update of the Bosch ESI[tronic] 2.0 Online serves to simplify your daily workshop routine and to increase your efficiency. Therefore in the future the database of the online mode will be constantly updated in the background.

This allows you permanent access to the latest data. Please also note that the offline information installed on your hard drive regarding manuals, schematics, maintenance and known fixes will no longer be updated. However, these will still be accessible throughout the year.

ECU diagnostics installed on your hard drive will continue to be updated via the Diagnostic Download Manager (DDM) and will be usable without an internet connection.

Focusing on the online part of ESI[tronic] 2.0 Online results in better quality and coverage.

**Activate the online mode
with just one click:**

ESI[tronic] A goes online

Around May the completely new designed spare parts catalogue (ESI[tronic] A) will be available in ESI[tronic] 2.0 Online mode.

This means immediate online access to our always up to date Bosch spare parts catalogue without the need to download any data.

ESI[tronic] A allows you to find all the correct Bosch spare parts for you selected vehicle.

Benefits at a glance:

- Fast identification of the needed and correct Bosch spare parts from our extensive catalogue

- Distinct spare parts identification including comparison to original numbers

- Made for different needs: Grouping in separate modules or complete overview

- Clear overview in which different cars a selected part is used

Optimization of maintenance and repair information

If a workshop employee is faced with the task of a repair, maintenance and repair instructions in ESI[tronic] 2.0 Online show him the way

- when replacing a component
- to finding a fault in electrical systems
- to necessary information on maintenance work.

The better this information, the more efficiently workshop orders can be processed.

In order to improve the instructions in ESI[tronic] 2.0 Online to this end, the concept of data creation was reworked. The first adjustments have already been made.

In the Mercedes vehicles GLC-class (RB key: MB6340) and B-class (RB key MB4041), they can already access the extended information. In the future, additional maintenance and repair information, which Bosch receives directly from the vehicle manufacturer, will be integrated step by step.

The user benefits from this multiple times. The improved content not only significantly increases the data quality, for example through 3D images from the vehicle manufacturer, but also shortens the development time. This means that new information is available much faster. Last but not least, both the respective assignment to a vehicle and its variants are optimized.