

ESI[tronic] 2.0 Online

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Secure Diagnostic Access (SDA) Two-factor authentication (2FA) for VW Group brands



As reported in the last ESI News, since the end of December 2022, access to protected diagnostic data of the **VW**, **Audi**, **Seat**, **Cupra and Skoda** brands requires two-factor authentication (2FA) in addition to logging in with the personal Bosch ID. But only if the user wants to open protected diagnostic data of the VW brands. The user is actively notified of this in the ESI[tronic]. This fulfills the latest security standard of the VW group, which is defined by the vehicle manufacturer independent of diagnostic providers.

Please note: At least the ESI[tronic] update 2022/4 must be installed to use the 2FA and thus unlock the protected data.

A 2FA is already common for a variety of applications in different areas, e.g. at payment service providers or for ordering goods at online mail order companies.

How does 2FA work for the brands mentioned above?

- The user receives an input field in ESI[tronic] for a number combination.
- The combination of numbers is displayed on the user's smartphone using a 2FA app (e.g., Google Authenticator), as is common with many 2FA solutions.
- If the user enters the combination of numbers in the input field, the protected data is unlocked for the user.

The user can find more details about this process step in the ESI[tronic] 2.0 Help Center as well as in the previous ESI News issue 2022 | 4.

All information at a glance, readily available on a manufacturer basis

As part of the integration of original manufacturer information, the accessibility of installation/removal descriptions and position information has been improved. You can now find these quickly and easily quickly and easily under the "Manuals" tab directly on the left as a separate menu item.

This provides you with fast, direct access to a wealth of useful information on the selected vehicle in the vehicle overview.







Access to information on timing belts has also been improved. This topic now also has a separate menu item on the left under the "Maintenance" tab, covering all information on

- Change intervals for timing belts
- Work times for renewal
- Change instructions







As a user, you can now benefit from another new feature: wiring diagrams in the original manufacturer layout, specifically adapted to ESI[tronic].

Based on a complex automation process in data creation, we adapt the manufacturer wiring diagrams with our Bosch-specific terminologies and integrate the wiring diagrams into our ESI[tronic].

Clear benefit for users: Full information from the vehicle manufacturer, combined with all known functions and uniform naming in ESI[tronic].







The first wiring diagrams cover vehicle models from Fiat and Ford. Other models of these and other makes, such as Volkswagen, Audi, Skoda, BMW, Mercedes-Benz and Renault will be included step-by-step as part of the next ESI[tronic] 2.0 Online updates.

As announced in the ESI News 2022/3, a comprehensive concept for providing instructions on how to de-energise high-voltage systems has been created. The focus of any concept will always be to ensure the safety of users and up-to-date information. Since summer 2022, a comprehensively described procedure for de-energising and verifying de-energisation of the VW e-Golf has been available to our users.

Instructions for vehicle models of other manufacturers have been published as part of further ESI[tronic] 2.0 Online updates. Further instructions will follow step-by-step based on the information provided by vehicle manufacturers. Due to country restrictions, not all information is available outside Europe.

Coverage for brand new vehicles

The initiative to quickly provide vehicle coverage for new vehicle models in ESI[tronic] 2.0 Online continues.

The following vehicle models were created for you only a few weeks after their market launch and are already available in ESI[tronic] 2.0 Online:

- Mercedes GLC-Class [254] (RB key: MB 0137135, MB 0137135, MB 0137135) Market launch: November 2022, Availability in ESI[tronic]: January 2023
- Audi e-tron Facelift 2022 (RB key: AUD0124155, AUD0137830) Market launch: November 2022, Availability in ESI[tronic]: January 2023

The focus is particularly on the systems and functions for the most important service and repair tasks on a new vehicle. The corresponding vehicle coverage is made available to you via the usual updates through the Diagnostics Download Manager (DDM).



Did you already know? System information for 48V systems in the ESI[tronic] manuals



In addition to the regular 12V vehicle electrical systems, 48V vehicle electrical systems have meanwhile become an integral part of everyday life in a car workshop.

Mostly used in mild hybrid vehicles, this still applies to the low-voltage area and can be used without additional highvoltage training.

In addition to information on pure high-voltage systems, the diagnostic software ESI[tronic] offers technical information on 48V systems within the manuals and thus offers additional support in everyday workshop work. This information concerns, among other things, **system descriptions** of complete 48V systems to support the overall understanding and the interaction of various components. The **installation positions** of the respective components are also available, as is the necessary **technical information** for correctly evaluating the diagnosis. The required **test data** is listed here, making set-/actual value comparisons possible. This significant upgrade thus grants users access to further information in relation to the latest vehicle technology.



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