



ESI[tronic] 2.0 Online

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- Secure Diagnostic Access (SDA): Bosch ID to become SingleKey ID

End of support for Windows 7 and 8.0



From January 2023, Windows 7 and 8.0 will no longer be supported by ESI[tronic] 2.0 Online. It will no longer be possible to install future updates as of that time.

Please upgrade your existing Windows 7 computers or replace them with a new Windows 10 computer. Please contact your ESI[tronic] 2.0 Online seller to obtain this new hardware.

Operating system	Windows 10 (64-bit)
CPU (processor)	Celeron 1.6 GHz (Dual Core) or higher
RAM	8 GB DDR4 or more
Free disk space (SSD or HDD)	100 GB
Screen resolution	1366 x 768 pixels or more
USB ports	2 x USB 2.0 or 2 x USB 3.0
Network	LAN: 10/100/1000 Mbit/s, WLAN: 802.11a/c
Internet	VDSL 50 Mbit/s or higher

Secure Diagnostic Access (SDA): Two more vehicle manufacturers (Renault and Dacia) have joined the central solution



Secure Diagnostic Access (SDA) is a central solution integrated into ESI[tronic] 2.0 Online that provides comprehensive access to protected vehicle data from participating vehicle manufacturers and is continuously being expanded to include additional vehicle manufacturers.

In September 2022, vehicle manufacturers Ford and Porsche were integrated in SDA. ESI[tronic] users do not have to go through any new process steps for the two new vehicle manufacturer solutions. Ford requires the usual login with the personal Bosch ID. The Porsche solution works without this step, i.e. users can access the protected data without personal login.

As part of update 2022/4, service pack 1, two more vehicle manufacturers have been added to SDA: Renault and Dacia. Again, both vehicle manufacturer solutions do not require ESI[tronic] users to go through any new process steps. It is sufficient to log in with the personal Bosch ID. There is no costs for the customer to use the Renault and Dacia solution.



The previous solution required users to access the manufacturer portal together with an additional hardware component offered directly by the vehicle manufacturer. This is no longer necessary for users with SDA access.

Since the launch of Secure Diagnostic Access (SDA), numerous manufacturers have already joined this central solution:

- Mercedes-Benz
- VW
- Audi
- Seat/Cupra
- Skoda
- Jeep
- Fiat
- Porsche
- Alfa Romeo
- Lancia
- Abarth
- Ford
- Chrysler
- Dodge/RAM
- Renault
- Dacia

Bosch is already in close contact with other vehicle manufacturers with a view to integrating them into SDA. These will follow in the near future.

Just recently, at the major Automotive Aftermarket fair "Equip Auto 2022" in Paris, SDA was awarded as Innovative Solution in the category "Digital Solutions, IT, Connectivity and Mobility".

Secure Diagnostic Access (SDA): Bosch ID to become SingleKey ID



The Bosch ID is the central access point for Secure Diagnostic Access (SDA) as well as many other Bosch applications, whether for an e-bike or household appliances at home. The benefit is clear: users only need one personal ID to access many applications.

This advantage is now enhanced further by turning the Bosch ID into a SingleKey ID. Compared to the Bosch ID, the SingleKey ID can be used for even more applications by partner companies. ESI[tronic] users who have previously used the personal Bosch ID to access SDA do not need to do anything for the changeover. The access data for SDA will remain the same.

Around January 2023, Bosch ID users will receive an e-mail informing them about the upcoming changeover and the opportunities it offers. Users that agree to the changeover to the SingleKey ID do not have to do anything and can continue to use SDA as usual. **Changeover to the SingleKey ID is scheduled for March 2023.** Future use of SDA will then only be possible with a SingleKey ID.

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



Secure Diagnostic Access (SDA) has been developed by Bosch as a central solution to pool and standardise (as far as possible) the many individual solutions vehicle manufacturers use to protect their diagnostic data. To protect their data, vehicle manufacturers impose various requirements, which are independent of the diagnostic software provider.

In order to comply with the latest VW Group security standard, **two-factor authentication (2FA)** will be required for access to diagnostic data for **VW, Audi, Seat, Cupra and Skoda from mid-December 2022**. The ESI[tronic] update 2022/4 must be installed in order to be able to use 2FA and thus unlock the protected data. 2FA is already a well-known method of authentication for numerous applications in many different areas, often used by payment service providers or for ordering goods from online mail order companies.

In connection with SDA, 2FA is required in addition to logging in with the Bosch ID. However, this is only necessary for users who want to open protected diagnostic data for VW makes. If the user is logged into SDA and has already performed the 2FA, it is not necessary to perform the 2FA again for another vehicle. If the user logs out of SDA and logs in again at a later time, the 2FA must be performed again. ESI[tronic] actively draws the user's attention to this.



How does 2FA work for the above-mentioned makes?

- Users are presented with an input field for entering a combination of numbers in ESI[tronic].
- As is the case with most 2FA solutions, the required combination is displayed in a 2FA app (e.g. FreeOTP Authenticator or Google Authenticator) on the user's smartphone.
- After entering the combination of numbers in the input field, the protected data is unlocked for the user.

Users can find further details on this process step and the use of 2FA apps in the ESI[tronic] 2.0 Help Center.

New DCU 120 tablet PC with 11.6-inch full HD display

Robust and handy for mobile workshop use: the new DCU 120 tablet PC from Bosch with a 11.6-inch full HD display and fast microprocessor is the successor to the proven DCU 100 tablet

Available immediately from your workshop equipment provider.

- Large capacitive full HD display for convenient operation of all software packages from Bosch
- Future-proof tablet PC ready for future workshop equipment and systems
- State-of-the-art interfaces for comprehensive connectivity

Bosch has developed the new diagnostic control unit DCU 120 with improved equipment and expanded technology as a successor to the proven DCU 100. The new tablet PC can be operated effortlessly via the **large 11.6-inch screen with**



capacitive touchscreen, simply using gentle finger touches. The contents of the Bosch workshop software are shown on the **large full HD display in high quality, making them easy to read.**

The powerful microprocessor makes sure that all software packages from Bosch, including ESI[tronic] 2.0 Online and software for test and diagnostic systems such as driver assistance systems, Connected Repair, vehicle system analysis and emission analysis run smoothly and reliably. The DCU 120 is also suitable for PassThru functions, which allow the workshop to retrieve diagnostic data from the vehicle manufacturer.



The new tablet PC is therefore ready for future workshop equipment applications and systems. The DCU 120 from Bosch offers a **battery life of around five hours, double that of the predecessor model** and a robust design complying with protection class IP65, which makes it ideal for mobile workshop use.

All **important software packages** from Bosch are pre-installed.

On delivery, the new DCU 120 runs on the pre-installed and pre-licensed operating system Windows 10. The common software packages from Bosch, including the **latest ESI[tronic] 2.0 Online version**, are pre-installed. Depending on the specific workshop requirements, the individual applications and ESI[tronic] info types can be enabled with the corresponding subscription.

The integrated **Diagnostic Download Manager online** downloads and installs the regular software updates. The DCU 120 has a **Giga LAN** port and state-of-the-art **WLAN, Bluetooth and USB interfaces** to enable connection to the Internet, the workshop network and other workshop systems.

Together with the KTS modules 560 or 590, the DCU 120 provides a modern, complete diagnostic system for all service and repair work on modern vehicles.

E-mobility: State-of-health (SOH) readout and vehicle coverage for Tesla



Since August 2022, ESI[tronic] users have had access to contents for control unit diagnostics of **Tesla** models. Effective immediately, **Model S and Model X** can be diagnosed via the OBD interface.

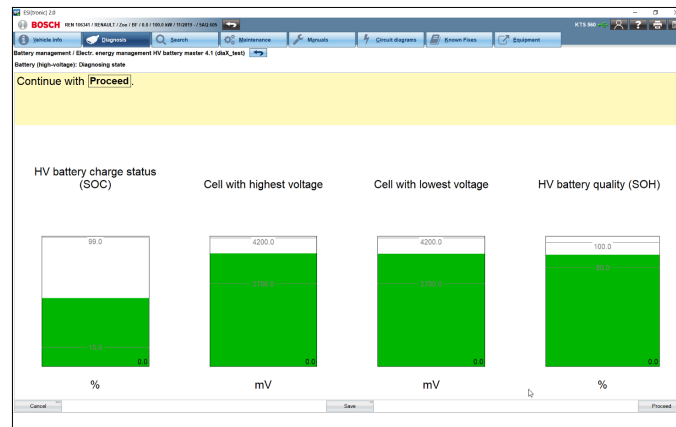
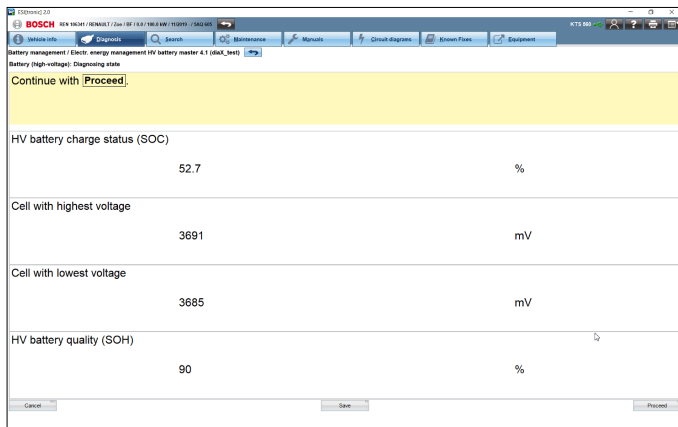
The update covers:

- Reading and deleting of the fault memory
- Service functions, including the often required function for changing brake pads

Vehicle coverage is continuously expanded, and more models will follow.

In addition to expanding the diagnostic offering to include this important electric vehicle manufacturer, ESI[tronic] 2.0 Online also provides the option to read out the **state of health (SOH)** of a high-voltage (HV) battery for selected vehicles. Here, ESI[tronic] 2.0 Online reads the vehicle manufacturer data from the control units. As an ESI[tronic] user, you can find this function in the regular diagnostic offering. There is no need for an extra licence.

Instead, there is an extra test step to simplify handling, which checks the HV battery for age-related fault codes and displays them, if there are any. Afterwards, the battery-specific actual values are displayed digitally. To make operation especially user-friendly, these values are also displayed in the form of a graph. This makes it easy and simple to identify if a value is within the range defined by the vehicle manufacturer as sufficient (green) or insufficient (yellow).



Apart from ESI[tronic] 2.0 Online and a KTS device, no further hardware is required to read out the SOH value. This test step will be offered continuously for additional makes and models wherever supported by the vehicle manufacturer.

Coverage for brand new vehicles



The initiative to ensure fast provision of vehicle coverage for new vehicle models in ESI[tronic] 2.0 Online continues at pace. The following vehicle models have been created for you within just a few weeks after market launch and are already available in ESI[tronic] 2.0 Online:

- **Nissan Qashqai [J12E]** (RB code: NIS0118059), market launch: August 2022, available in ESI[tronic]: October 2022
- **BMW 3 Touring** Facelift [G 21] (RB code: BMW0137981 and BMW0137982), market launch: August 2022, available in ESI[tronic]: October 2022
- **Opel/Vauxhall Astra L [05]/Astra L Sports Tourer [05]** (RB code: OPE0132572 to OPE0132579 / VAU0132583 to VAU0132590), market launch: July 2022, available in ESI[tronic]: September 2022
- **VW T-Roc [D11]** (RB code: VWW0131329 to VWW0131337), market launch: June 2022, available in ESI[tronic]: September 2022

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