



ESI[tronic] 2.0 Online

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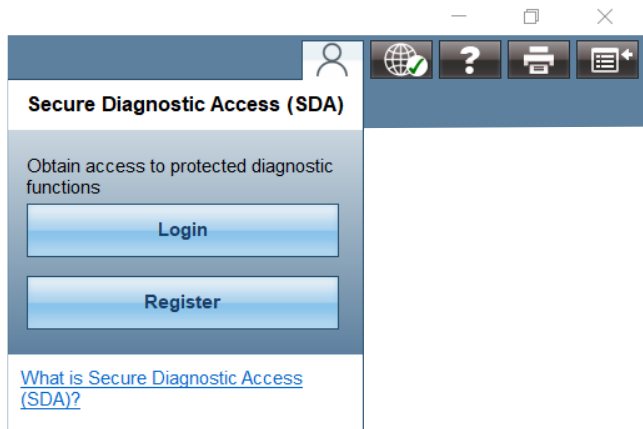
Fiat Chrysler Automobiles Italy S.p.A. (FCA) is now part of Secure Diagnostic Access (SDA)



As communicated SDA will be continuously growing.

A new vehicle manufacturer is part of SDA: Fiat Chrysler Automobiles Italy S.p.A (FCA). The necessary software adaptations will be delivered with **update 2022/1** via the known Diagnostics Download Manager (DDM).

For FCA within SDA the same preconditions apply like for the previous launched solution for VW, Audi, Seat, Skoda and Cupra. Beside the usage of a KTS 590, 560, 350 or 250 and a stable internet connection the user only needs to register once for the Bosch ID. The Bosch ID consists of an e-mail address and a self defined password. The registration is free of charge.





The big advantage: Users can use their Bosch ID for different purposes. On one hand, of course, to access protected diagnostic contents via ESI[tronic] 2.0 Online. On the other hand, for a variety of other Bosch applications – both professional and private ones such as e.g. for e-bikes and smart home applications.

After log in with the users personal Bosch ID he can access the protected FCA vehicles for comprehensive diagnostic sessions. ESI[tronic] users having access to SDA do not need to register and pay at the manufacturer's portal anymore. Due to the cost and time saving benefits of SDA this previous solution offered by FCA via their manufacturer portal is not longer offered for ESI[tronic] licenses supporting SDA.

For users not having access to SDA the previous solution offered by FCA is useable within ESI[tronic] 2.0 Online.



Status update on Secure Diagnostic Access for VW, Audi, Seat, Skoda and Cupra

“**Secure Diagnostic Access (SDA)**” is available for ESI[tronic] licenses supporting SDA since update 2021/3 (August 2021). It has been introduced for the unlocking of protected vehicle data within ESI[tronic] 2.0 Online.

It is the standardized, integrated and convenient way to access protected vehicle data participating vehicle manufacturers. It fulfills the newest requirements of vehicle manufacturers in regards of their security concepts.

First vehicle manufacturers as part of SDA have been VW, Audi, Seat, Skoda and Cupra. Without unlocking, according to the security concept of these vehicle manufacturers diagnostic sessions on new vehicle models are limited only to reading/ deleting error memory as well as some actual values.

To ensure compliance of highest security standards VW developed different steps within their security concept. First step was the physical need to open the hood in some new models before starting a comprehensive diagnostic session. With the latest security step there are absolutely necessary adjustments of the diagnostic software required like personalized login as well as server communication to the certain vehicle manufacturer like VW. **In regards of this latest security level, protected diagnostic functions can not be unlocked by only opening the hood. A combination is necessary: opening the hood and using SDA.**

If the user selects such a vehicle a pop up appears within ESI[tronic] 2.0 Online letting the user know what exactly is necessary to do.

With SDA Bosch is fulfilling VW's latest requirements and is providing the solution for their newest security level.



With update 2022/1 ESI[tronic] users have already a couple of systems available, containing protected functions according to VW's newest security level. These vehicle data for VW, Audi, Seat, Skoda and Cupra can only be accessed with the help of SDA:

- **Central electronics 4.5**
already available since update 2021/3.01
- **Gateway 4.8**
already available since update 2021/3.06
- **ESP MK 100 ESC**
already available since update 2021/3.07
- **Delphi GCM 7.4 UDS (Engine Management)**
already available for VW and Seat since update 2021/3.08 for Audi and Skoda latest with update 2021/4.02

Even more systems will follow.

Affected vehicles are for example:

- VW Golf 8 (VWW0106970)
- Audi A3 (AUD0109334)
- Skoda Octavia (SKO0107088)
- Seat Leon (SEA0109716)
- Cupra Leon (CUP111920)
- More



More useful information containing FAQs, Screenshots and How-To-Videos about SDA can be found within the SDA Menu. Just click on the link "What is Secure Diagnostic Access (SDA)?"

Porsche: New vehicle brand within ESI[tronic] 2.0 Online!



The vehicle content development for ESI[tronic] is defined according to the needs of the market. This means that we continuously observe the needs of our users and take adaptations if needed to always support the user as best as possible.

Now, due to the increased demand of Porsche coverage within the independent aftermarket ESI[tronic] starts to support this brand in a wide scope of diagnostic systems and functions.

First Porsche content is already released and can be accessed within the module „**Diagnosis (SD)**“. With the update 2022/1 and subsequent updates, users will gradually be able to do the following, for example:

- System overview
- service reset
- batterie change as well as
- calibration of driver assistance systems (ADAS)

The scope will be expanded with upcoming updates via the Diagnostics Download Manager (DDM).

The Content will be provided for all common Porsche models like for example:

- Macan [95B]
- Cayenne [92A]
- 911 [991]
- Panamera [970]
- and more

The content development for Porsche will continuously grow.

ESI[tronic] 2.0 Online always up to date



Until now, you've had access to manuals (SIS), maintenance (M), circuit diagrams (P), known faults (EBR) and equipment (A) in ESI[tronic]'s online mode.

The new update provides you with additional online information such as diesel and electrical spare parts (D, E), component repair instructions (K) and work values (B). All you need to use it is an internet connection, which also allows you to access new information automatically.

Until now, it was necessary to download and locally install any content in its entirety. This function is no longer available.

To save download time and disk space, the ESI[tronic] 2.0 Online download will only contain control unit diagnosis (SD and truck info types) going forward.



All ESI[tronic] 2.0 Online benefits at a glance:

- Time savings thanks to simple and fast installation
- Low disk space requirement due to small download size
- Minimal load times even at low data rates: ESI[tronic] 2.0 Online uses intelligent caching and optimized high-performance data servers to load documents in seconds
- Automatic monthly updates for a majority of information without installation
- Direct access to all documents through the new search function using free text, error codes and components
- Control unit diagnosis (SD) is always installed locally and can be used without an internet connection

Diesel injection pump test values (info type W) are downloaded separately via the DDM and installed locally. They are still available through the separate test value software.



Vehicle coverage for ESI[tronic] 2.0 Online

At <https://www.downloads.bosch-automotive.com/en/vehicle-coverage-esitronic-20/> you now have access to the new information about ESI[tronic] 2.0 Online's vehicle coverage.

Coverage can be shown separately for different types of documents and functions like diagnostics, manuals, wiring diagrams etc.

To start, you only need to select a vehicle. You can do so by searching by free text, local identification numbers or VIN.



Range of (brand) new vehicles covered

The initiative to expand the range of (brand) new vehicles covered by ESI[tronic] 2.0 Online continues. The following vehicle models were created for you just a few weeks after their market launch and are already available in ESI[tronic] 2.0 Online:

- **VW Polo [AE1] (RB key: VWW0121822, VWW0121823, VWW0121824, VWW0121825),**
market launch: September 2021, availability in ESI[tronic]: November 2021
- **Seat Ibiza [KJ1] (RB key: SEA0112406, SEA0112407, SEA0112512, SEA0112514),**
market launch: September 2021, availability in ESI[tronic]: November 2021
- **Skoda Karoq [NU, ND] Facelift 2021 (RB key: SKO119743),**
market launch: November 2021, availability in ESI[tronic]: December 2021
- **Seat Arona [KJ7] Facelift 2021 (RB key: SEA0115432, SEA0116286),**
market launch: November 2021, availability in ESI[tronic]: December 2021

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



First vehicle manufacturers only using DoIP-communication for vehicle diagnostics

More and more vehicle manufacturers are using a new diagnostic interface based on Ethernet, also known as DoIP (Diagnostics over Internet Protocol). The advantage of it is up to 100 times faster data transfer compared to previous technologies, which were mostly used for flashing the control unit. In addition to the speed advantage, ethernet-based diagnosis offers a secure and stable data transfer.

Now, Mercedes Benz and Jaguar Land Rover use DoIP for their regular vehicle diagnostics. Communication to the equipped control units of the certain vehicles is only possible via DoIP. For example this is valid for the vehicle models C- and S-class as well as Land Rover Defender or Jaguar E-Pace. It is very likely that diagnostics for all new vehicle models of the previous mentioned manufacturers will only be possible via DoIP in future.



To support in the best way ESI[tronic] 2.0 Online is already prepared for this new development. The software automatically detects when to use the DoIP communication. There is no special need for the customer to act.

**First coverage of systems only accessible via
DoIP communication are already available within the software:**

- **For Mercedes Benz C-[206] and S-class [223]:**
control unit identification, read and erase trouble codes for several systems
- **Jaguar Land Rover e.g. Land Rover Defender [L663] and Jaguar E-Pace [X540]:**
Systems “Front driver assistance camera 5.1” and “Central electronics CE 5.1”

More and more coverage will be provided with upcoming updates via the known Diagnostics Download Manager (DDM).

To be able to diagnose DoIP-systems the usage of a KTS 590, 560 and 350 is required. KTS 250 will follow.

Access to repair and maintenance information from manufacturer sources



Since May 2021, ESI[tronic] has offered its users original manufacturer information such as component position information, installation and removal instructions, 3D illustrations, photos of components and assignments to individual vehicle types.

The amount of information has since been expanded continuously, and brands such as Mercedes-Benz, BMW, Fiat, Honda, Ford and others are now included. Country restrictions per brand may apply.

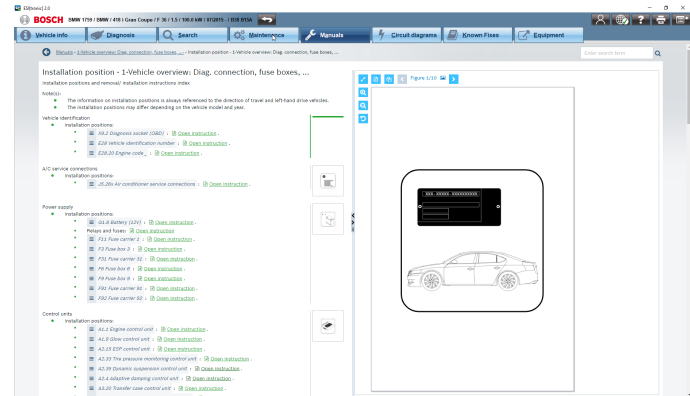
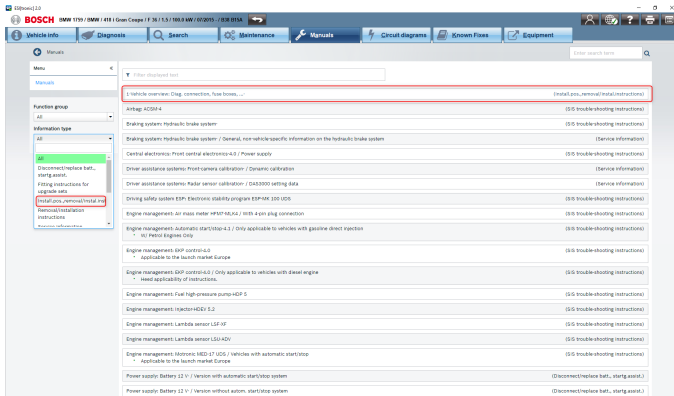
The user can most easily identify manufacturer information in case of original illustrations and images. However, repair and maintenance information from manufacturer sources also encompass manufacturer-based procedures integrated into ESI[tronic] as well as detailed steps in the individual instructions. This is how the user is provided with information and comprehensive descriptions of procedures specific to vehicles, which enables them to perform the appropriate repairs and deliver high-quality results.

The two following examples illustrate how you can access the described information.

Example 1: In the vehicle overview



Manufacturer-based information can be found under "Manuals". General information on the positions of components as well as installation and removal instructions can be accessed in section "1 – Vehicle overview," which provides information on various areas such as control units, lighting system, exterior, interior and others.

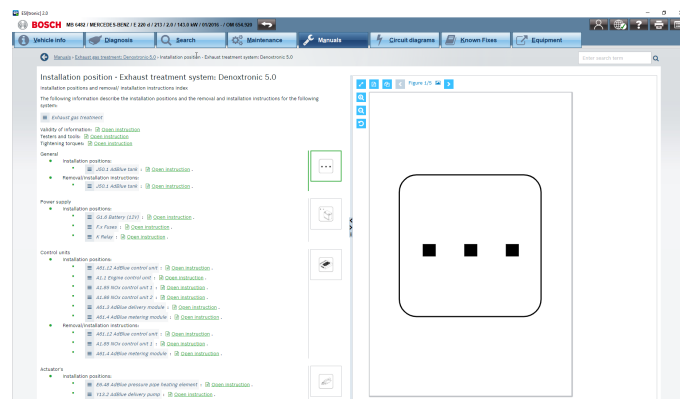
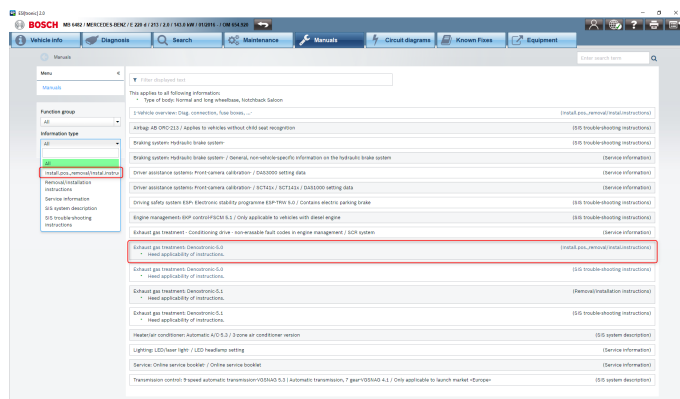




Example 2: In individual instructions

Depending on the vehicle selected, additional system-related manufacturer information on the position as well as installation and removal of components may be included and can be used directly in the respective instructions.

You can find it in the installation positions or installation and removal instructions section after calling up the instructions.



Within the manuals, you can use the filter function on the left in particular to limit the display to installation positions and installation and removal descriptions and retrieve the relevant information quickly.