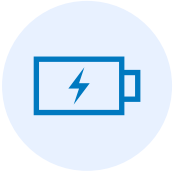
BOSCH

# ESI[tronic]

News 2025 | 3

- **ESI[tronic]**
  - Battery check for Electric Vehicles
  - Coverage for brand new vehicles
- **ESI[tronic] Truck News**
  - Truck Highlights
  - Simple and correct identification via Vehicle Identification Number (VIN) for Truck and OHW
  - Topology View: The full network at a glance

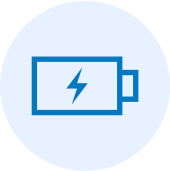
# Battery check for Electric Vehicles – now even more precise with ESI[tronic]



ESI[tronic] customers now have the ability to determine the condition of a vehicle's battery from the Volkswagen Group even more accurately.

**What's new?**
If the State-of-Health (SOH) check is initiated, for example, via the tab "HV Battery SOH" within the control unit diagnostics part of ESI[tronic], it automatically checks whether certain preconditions defined by the vehicle manufacturer have been met on the vehicle. These preconditions must be performed before determining the SOH and, according to the vehicle manufacturer, help to determine an even more precise SOH value.

# Battery check for Electric Vehicles – now even more precise with ESI[tronic]



**Your options for optimal analysis:**

**Method 1: High precision (vehicle manufacturer recommendation):**
For a particularly accurate result, the vehicle manufacturer recommends fulfilling the following conditions before determining the SOH:

- Ensure that the battery has a temperature of over 10 °C (approximately equivalent to an outside temperature of over 5 °C).
- Discharge the battery by driving it to a low state of charge (ideally below 10 %).
- Lock the vehicle.
- Observe a waiting time of 60 minutes.
- Charge the high-voltage battery in one go to a state of charge of at least 90 %.
- Observe a further waiting time of 60 minutes before putting the vehicle back into operation.

If these prerequisites are met, the user will receive the note "qualified measurement" in ESI[tronic]. This method is ideal if a highly accurate value is desired.

**Method 2: Quick analysis (backup method):**
If you prefer a quick result and do not want to fulfill all the vehicle manufacturer conditions, ESI[tronic] checks whether the vehicle manufacturer provides an alternative determination method (backup method) for the vehicle. This method is available for almost all vehicles of the Volkswagen Group and provides you with an initial assessment of the battery condition (SOH). The result is displayed with the note "not qualified measurement".

Please note that the results of these two methods may differ from each other.

# Coverage for brand new vehicles

The initiative to quickly provide vehicle coverage for new vehicle models in ESI[tronic] continues. The following vehicle models have been created for you just a few weeks after their market launch:

**VW Golf VIII FL**
(RB-Key: VWW155822, VWW155821, VWW155819, VWW155820, VWW0182955; VWW182956)
Market launch: **April 2025**
Availability in ESI[tronic]: **May 2025**

**Skoda Octavia Combi 4x4**
(RB-Key: SKO179428)
Market launch: **April 2025**
Availability in ESI[tronic]: **May 2025**

# Coverage for brand new vehicles

**Volvo EX30 Cross Country**
(RB-Key: VOL182605)
Market launch: **May 2025**
Availability in ESI[tronic]: **May 2025**

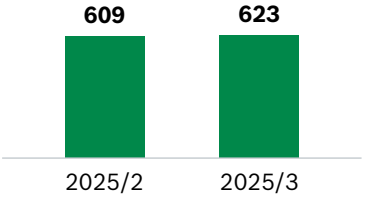
The focus is particularly on the systems and functions for the most important service and repair tasks for a new vehicle. The corresponding vehicle coverage will be made available to you through the usual updates via the Diagnostics Download Manager (DDM).

# ESI[tronic] Truck News
## Truck Highlights

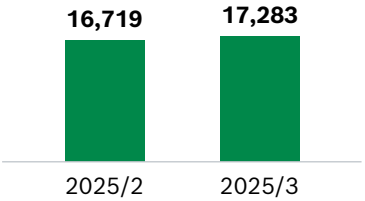
For our customers – we offer with the ESI[tronic] Update 2025 | 3:

- 14 Új New makes
- 566 New models
- 3,977 New electronic control systems
- 3,253 New diagnostics capabilities
- 169 New wiring diagrams
- 25,879 New fault codes

### Makes total




### Models total



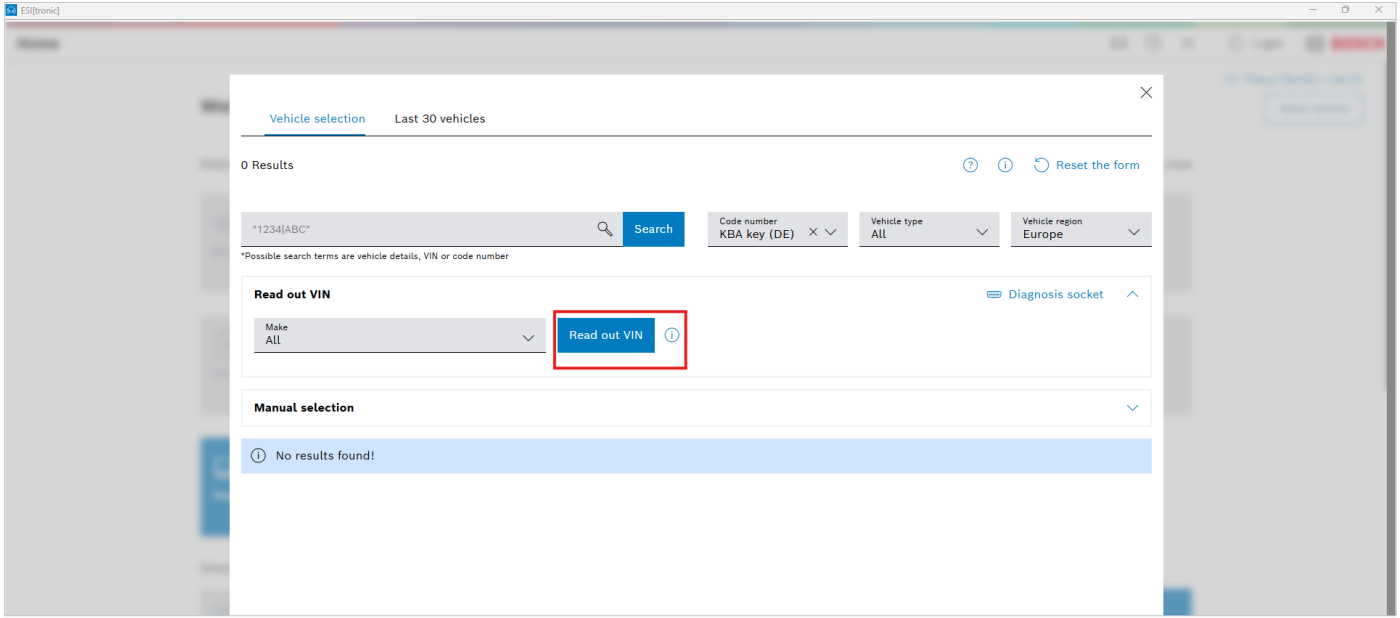
# Simple and correct identification via Vehicle Identification Number (VIN) for Truck and OHW


The unique vehicle identification via VIN enables our diagnostic systems to exactly match relevant vehicle data, such as model, engine, and equipment. This ensures accurate diagnostics and the application of optimal repair methods for every Truck and OHW.

**Selecting the correct vehicle in ESI[tronic] is now even easier:**
VIN Identification with a single click! The new Bosch release with integrated VIN readout function enables fast and reliable vehicle identification for Truck and OHW 1/2.

**Hardware Requirements:**
KTS Truck Generation 2 and 3.

# Simple and correct identification via Vehicle Identification Number (VIN) for Truck and OHW



# Topology View: Full network visibility – detailed, color-coded, featuring system status

The Bosch Topology View provides a clear overview of complex vehicle electronics, visualizing systems and their connections for rapid diagnostics. Color-coded displays simplify troubleshooting. Users can switch flexibly between the conventional view and the new Topology View at any time.

Please note that the Topology View is currently not available for all vehicles.

**Benefits:**

- **Rapid Diagnostics:** Instantly recognize error codes through color-coded system representations.
- **Easy Navigation:** Simply click on a system to access detailed information and diagnostic functions.
- **Improved System Understanding:** Gain a deep understanding of vehicle architecture for more efficient repairs.
- **Time Savings:** Quickly locate problems and minimize downtime.

# Topology View: Full network visibility – detailed, color-coded, featuring system status