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ESI[tronic] 2.0 Online

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Bosch offers solution for access-protected Mercedes-Benz vehicles

Mercedes-Benz follows FCA (Fiat Chrysler Automobiles) in introducing advanced protections for vehicle electronics. An EU standard valid from 2020 obliges vehicle manufacturers to protect the vehicle electronics of new models from tampering and unwanted access. Mercedes-Benz has a 2-step roll-out planned. The first step is to protect vehicle electronics by expanding the so-called **Seed & Key-mechanism**. The mechanism relies on a special algorithm required for releasing protected functions.

At this stage, only the functions reading and clearing the fault memory, actual values and reading the control unit ID can be used without the release.



ESI[tronic] customers don't need to worry, as the necessary software adjustments were already released in the 2020/1.02 intermediate update. Comprehensive control unit diagnoses on seed-and-key-protected vehicles will still be possible. ESI[tronic] customers will require no additional access information and don't need to register with the vehicle manufacturer's portal. All that's needed is an internet connection and the newest KTS generation (KTS 560, 590, 350). KTS 250 is scheduled for mid-2020.

The second step Mercedes-Benz is planning is the expansion of this security concept within the year. More information on this subject will be made available at a later date.



Mileage reading

The newly developed function of the ESI[tronic] 2.0 is reading all mileage data from the various control units of a vehicle. With just one click, an overview of all the mileage information stored in the vehicle can be obtained quickly and efficiently.

This overview provides the user with important information when assessing whether the vehicle's mileage has been changed.

The new function of the ESI[tronic] 2.0 is suitable for a wide range of applications, e.g. for insurance companies, experts and appraisers when assessing damage or preparing a valuation report, for leasing companies when returning vehicles or also for car dealerships and workshops when trading in used cars.

Component	Mileage Read Value
Power steering 5.1	
Odometer setting	65.532 km
7-sp.autom.tran.VGSNAG 4.1	
Odometer setting	65.532 km
Vehicle speed Front long-range radar 5.0	
Odometer setting	65.532 km
Vehicle speed Front long-range radar 5.0.1	
Odometer setting	65.532 km
Motronic MED 17.7.2	
Total mileage	65.532 km
EI. drive 48V EV ECU5.3	
Odometer setting	65.532 km
Service interval reset. 5	
Average daily mileage	152.3 km
Audio/telematics 5.0	
Odometer setting, interior CAN bus	65.532 km
Central operating unit 5.1	
Odometer setting	65.532 km
9-sp.auto.tran.VGSNAG 5.3	
Mileage (km)	65.532 km
CAN message distance reading	65.532 km
Hapt. acc. pedal mod. 5.1	
Odometer setting	65.532 km
Centr. driver ass.sys. 5.0	
Odometer setting	65.532 km
Centr. elec. PTCU CE 5.0	
Total vehicle mileage	65.532 km
Last warning message mileage	46.484 km
Last but one warning message mileage	45.000 km
Mileage since last oil change	17.569 km

1 684 465 755/756

Diagnosis socket Save



ESI[tronic] network installation

Since the beginning of the year, network installation and network sharing of ESI[tronic] 2.0 Online is possible.

The network installation of ESI[tronic] 2.0 Online offers many advantages. Updates for ESI[tronic] only have to be downloaded to one device (file server) via DDM and will then be automatically offered to the other devices (workstations) for installation.

On each workstation, you can decide individually whether the new ESI[tronic] 2.0 Online update should be installed immediately or installation should be carried out at a later time.

In addition to the main updates of ESI[tronic] 2.0 Online, all intermediate updates will also be distributed to all workstations via the network installation.

Instructions and a description of the procedure is available in ESI setup by pressing the help button.

