



## WHAT'S NEW ?

Find out about the new features included in the software update for your Hella Gutmann diagnostic device.

## SOFTWARE VERSION 59

SECOND STEP IN CYBER SECURITY MANAGEMENT



### Activating diagnostics for Mercedes vehicles with access protection

The connectivity functions in modern vehicles bring a host of benefits, but can also pose a risk in terms of tampering and unauthorised access to data. This is why vehicle manufacturers are working on cyber security systems which make it more difficult to use the OBD diagnostics interface to access data, and which can be used to grant access via different authorization levels. After Fiat Chrysler Automobiles (FCA) launched its Security Gateway (SGW) to protect the company's vehicles against unauthorized access, Mercedes-Benz

algorithm will only be able to perform basic operations, such as reading and deleting trouble codes.

The good news is that workshops which update the software on their Hella Gutmann mega macs to version 59 can continue to run the tried and trusted diagnostics operations and perform basic settings and calibrations in these secured vehicles without any further action. The unlocking of the mega macs takes place in the background and unnoticed by the user. A registration at the vehicle-manufacturer's OE portal is not necessary.

By integrating the seed-key security process into the current mega macs software, Hella Gutmann has taken a second step towards enabling independent workshops to continue diagnostics and repair to the usual extent. The first step was the launch of the SGW adapter for FCA vehicles in spring 2020. Several other vehicle manufacturers are currently planning security measures, so Hella Gutmann has decided to implement full cyber security

management in the mega macs software as part of a third step in late 2020. Depending on the car manufacturer's security systems, this OE-compliant integration will enable users to contact different manufacturer portals in order to obtain licenses for activation directly from the mega macs. The aim is to provide independent workshops with a convenient multibrand solution.



Once workshops have installed software version 59, they will be able to use the mega macs to perform diagnostics on secured Mercedes models.

AG has followed suit by introducing a two-stage security concept. Depending on the model and the car's date of production 2019 or later, the electronic ignition lock control unit now features a partial access restriction which uses seed-key security. Diagnostic devices that do not request a random number generated by the vehicle and are unable to respond correctly using the matching decryption

SORT COLUMNS

### Clearer overview



As of version 59, diagnostic technicians will be able to sort the columns under vehicle selection.

Black arrows indicate the order in which the information is sorted, i.e. ascending or descending. Click the column header to change the sort order.

| Vehicle type ▲ ▾    | Engine code ▲ ▾ | Year of production ▲ ▾ |
|---------------------|-----------------|------------------------|
| A4 1.4i 16V TFSI    | CVNA            | 15-18                  |
| A4 1.4i 16V TFSI    | CVNA            | 15-18                  |
| A4 1.4i 16V TFSI A1 | CVNA            | 15-18                  |
| A4 1.6i 8V          | ADP             | 94-98                  |
| A4 1.6i 8V          | AHL             | 94-01                  |
| A4 1.6i 8V          | ALZ             | 06-08                  |
| A4 1.6i 8V          | ALZ             | 01-05                  |

This makes it possible to display information more clearly and find vehicle models more quickly – particularly when searching for an engine code (passenger cars).

#### IT ALSO MAKES MOTORCYCLE DIAGNOSTICS EASIER

Motorcycles and passenger cars are always sorted chronologically in ascending order on the start screen. Users will also be given a clearer overview of the various characteristics here.

They previously had to select motorcycles by year of production as there was no way of performing a cross-brand search using key codes, and the engine code data was unavailable. This was a very time-consuming process as users had to check each line due to the lack of a sorting option.