

CSC-Tool



THE COST-EFFECTIVE ADJUSTMENT TOOL
FOR ADVANCED DRIVER ASSISTANCE SYSTEMS



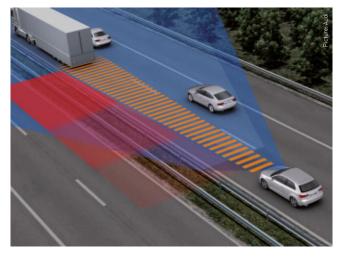
A NEW CHALLENGE FOR GARAGES – **HELLA GUTMANN HAS THE PERFECT SOLUTION**

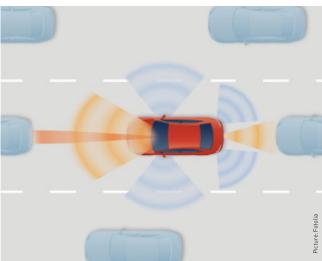
An increasing number of advanced driver assistance systems in vehicles are making roads safer and journeys more comfortable. Initially reserved for the premium segment, these camera and radar systems have now spread to other segments – including mid-class and compact vehicles. But garages are now faced with new challenges in being able to inspect and calibrate these systems properly. The convenient and modular complete solution for garages is the Camera & Sensor Calibration Tool (CSC Tool for short) from Hella Gutmann Solutions.

Multi-collision brakes, adaptive cruise control, lane assist, automatic parking assist, driver drowsiness detection and road sign detection: these are just a few of the increasingly popular systems in compact and mid-range cars.

With the CSC Tool, Hella Gutmann Solutions provides garages with a professional multi-brand system for calibrating various advanced driver assistance systems. Thanks to the trusted and well-conceived solutions from Hella Gutmann Solutions, the CSC Tool is available in a modular system, meaning it can be customised and expanded to the various needs of garages and service centres.

Learn more about the advantages of the Camera & Sensor Calibration Tool from Hella Gutmann. Save on high, third-party costs and use this excellent new tool to unlock further sales potential.





One System – Many Advantages

As with all diagnostic tools from Hella Gutmann Solutions, the developers have focused their attention on how to best adapt the CSC-Tool and system to the specific requirements and needs of independent repair and service shops. It starts with the basic equipment and continues with the various expansion packages.

One Base Package - Many Possibilities

The CSC-Tool comes with a base rack including adjustment bar and gauge heads with two supports. The modular system makes it possible to add brand-specific calibration tables as well as additional modules for different driver assist systems. The front camera for the lane departure warning system, the radar sensor for the automatic distance control*, or the camera for the intelligent light system can be calibrated with the diagnostic tools of the mega macs family at a cost effective price.

All this at an unbeatably low price

The base package includes all the basic equipment repair and service shops need. The calibration tables for various vehicle manufacturers are available on request in separate supplementary packages at a fair price**. Thanks to the sophisticated system solution, the calibration of all relevant vehicle brands and models*** is time- and cost-saving.

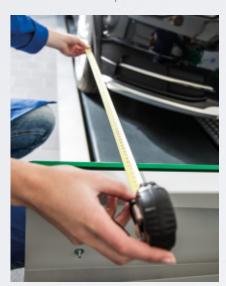
Prepared for Everything

The sensors and cameras of driver assistance systems have to be calibrated and adjusted with utmost precision. Nevertheless, repair and service shops do not require a fully equipped axle alignment station or a leveled workshop floor or platform lift in order to work with the CSC-Tool from Hella Gutmann Solutions. All measuring equipment can be set up on any reasonably level ground and still deliver reliable and precise data.

Maximum Measuring Accuracy

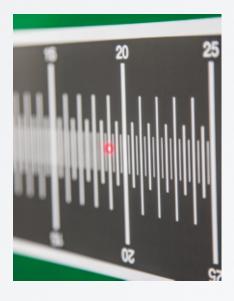
The measuring devices for some driver assist systems have a range of several hundred metres. A slight shift in position of the radar head or the camera in relation to the geometric axle causes the system to fail, or, even worse, to deliver incorrect results. The CSC-Tool works with a very low tolerance level. Its precision provides accurate results which pay off for repair shops and drivers: Increased road safety and an ever growing number of satisfied clients.

Calibration in a few steps***



Align CSC-Tool centrically and parallel to the





*optional **On request, *** Calibration data is specified by the vehicle manufacturer

Perfect Communication

All the information required for the precise adjustment of headlight systems can be accessed with one of the diagnostic tools of the mega macs family. Depending on the software version and individual requirements, the service scope can be tailored to the needs of the repair shop.

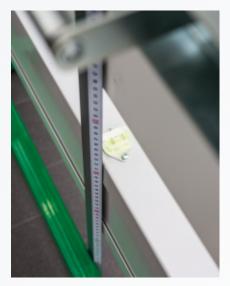
Easy and cost effective to upgrade

The CSC-Tool impresses with many extras and a small price. The expensive cost of calibration using repair shops will be a thing of the past. After only 10 measurements the CSC-Tool will start earning you profit.

Specials for Specialists

Hella Gutmann Solutions understands the unique requirements of service providers. That is why we are already working on tailor-made solutions for body repair shops and vehicle glass repair shops. These solutions include all modules which are necessary for their daily work. Superfluous components are simply left out. This reduces costs and valuable storage space. Should your requirements change in the future, you can order individual components separately at any time.

Adjust panel height



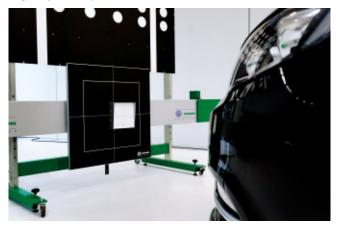
Measure the ride height of each wheel



Start calibration with diagnostic tool



Angle adjustment plate



Practical expansion kits



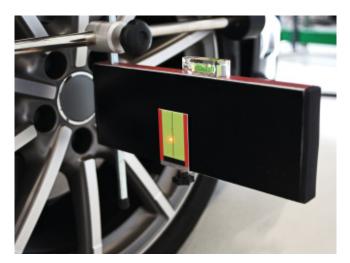


Precise adjustment

The sensors and cameras of advanced driver assistance systems have to be calibrated and adjusted with utmost precision. Despite this, garages and service centres do not need a fully equipped axle alignment station, levelled garage floor or platform lift in order to work with the CSC Tool from Hella Gutmann Solutions. All measurements can be set up and performed on almost any level floor with the components of the CSC Tool.

Maximum measuring accuracy

The measuring devices for some advanced driver assistance systems have a range of several hundred metres. A slight shift in position of the radar head or the camera in relation to the geometric driving axis of the vehicle causes the system to fail, or even worse, to deliver incorrect results. The CSC Tool works with an extremely low level of tolerance, thereby providing accurate results which pay off for garages and drivers. This leads to more happy customers and greater safety on the road.



Is the direction correct? The "Control" wheel alignment set knows the answer.

Perfect communication

All the information required for the precise adjustment of headlight systems can be accessed with one of the diagnostic tools of the mega macs family. Depending on the software version and individual requirements, the service scope can be tailored to the needs of the garage.

Quick amortisation

The CSC Tool boasts a range of extras and a low price. Now the costs that you would have charged for calibration in a brand garage/dealership can be put to work for your benefit. That's because the CSC Tool pays for itself after just eleven measurements.

Specials for specialists

Hella Gutmann Solutions understands the unique requirements of service providers. That is why we are already working on tailor-made solutions for body garages and vehicle glass garages. These solutions include all modules which are necessary for their daily work. Superfluous components are simply left out. This saves money and valuable storage space. Every specialist knows that requirements will rise in the future. We are certain that with the CSC Tool and its modular system, you will be best placed for future advanced driver assistance systems.

Staying on track

One particularly useful accessory for your CSC Tool is the "Control" wheel alignment set, which you can use to quickly get an idea of the geometric driving axis, even without an axis test station. Easy to mount, this practical aid uses a laser to optically show you whether all values are in the tolerance range. If any values are outside the tolerance, the vehicle must go on the axis test bench before adjusting the camera system.



Easy set-up, quick testing, accurate adjustment the CSC Tool from Hella Gutmann Solutions delivers perfect results for maximum safety.

All the benefits at a glance

- Documentation of adjustment/calibration via hard-copy printout and in car history
- No wheel alignment station/space required
- Option to adjust to different camera and radar systems
- ✓ Attractive pricing model
- ✓ Ease of use
- Excellent measuring accuracy
- Robust and durable

- ✓ Individually configurable
- ✓ Upgradeable at any time
- Special packages for glass specialists and body
- Compatible with the diagnostic units of the mega macs family
- ✓ Virtually the same procedure for all adjustments

For more information on the powerful and versatile CSC Tool, please visit our website or contact your Hella Gutmann sales partner.

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