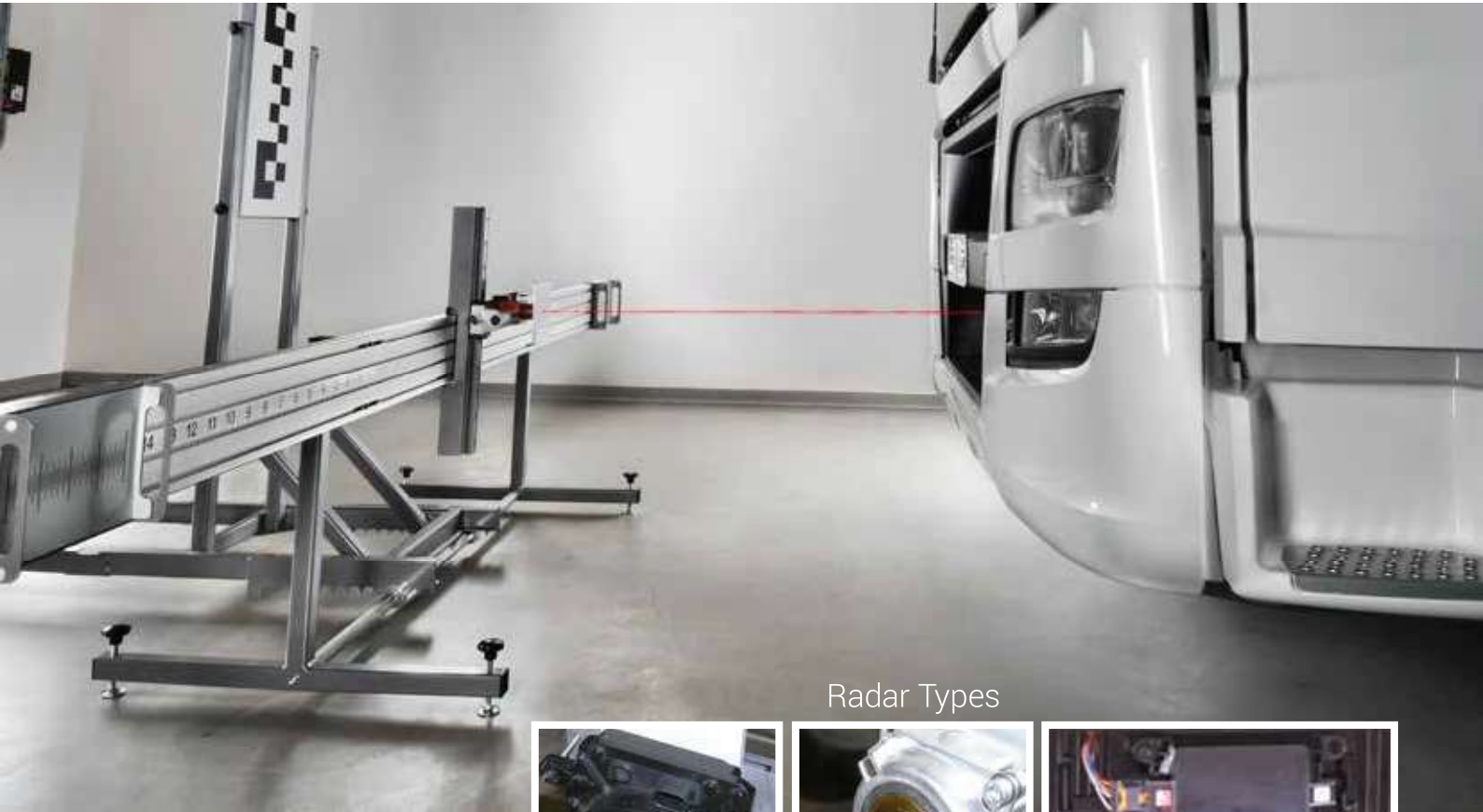


KIT ADAS TRUCK

Camera (LDW) and Radar system (ACC) Calibration



Radar Types



WABCO



TRW



TRW/Knorr

ADAS Truck is a TEXA solution that provides precision and accuracy on driver assistance systems which includes:

- An optical control system (measuring crossbar and laser devices). This is necessary to ensure the correct alignment and calibration of the Radars manufactured by WABCO TRW and TRW / Knorr.
- Calibration panels available for various manufactures for the calibration of the cameras.

In partnership with:

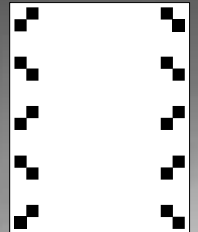


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N.B. Not all brands or models require an external device to complete the calibration process.

The IDC5 software provides the electronic access to perform calibration procedures via specific technical bulletins and diagnostic help that is specific for each make / model. These have instructions on how to complete all operations that require the use of the calibration bar or specific panels.

In addition, IDC5 also provides the important electronic access for vehicles where the self-learning and adaptation procedure is carried out on the road. For these systems, it is necessary to initiate the learning procedure within the ECU's of the LDW and ACC for the dynamic on road calibration process to be carried out.



Radar Calibration

Parameter	Value
Battery voltage	25.6 V
High-Freq. temperature	8.6 °C
High-Frequency noise	°C
High-frequency MMIC positive supply voltage	1.25 V
High-frequency MMIC negative supply voltage	0.00 V
High-frequency MMIC positive supply current	0.0 mA
High-frequency MMIC negative supply current	0.0 mA
Steering angle (yaw/roll)	-8.7%
Steering angle	0.5 °
Distance from the vehicle that precedes	10.0 m

Parameters

Report
Forward looking sensor calibration
 Procedure for the calibration of the radar sensor for the driver assistance system

Introduction

The vehicles equipped with the driver assistance system "LDW (Lane Position Object Sensor)" have a radar that is able to analyze both the objects that are moving on the road. The radar is usually perfectly calibrated, but in some cases it must be re-calibrated using the Self-diagnosis procedure.

More specifically, the calibration must be performed:

- in the memory that expressly requires a recalibration (warning a component of the LDW system).
- has moved (even after an accident) (warning the electronic control unit of the LDW system).

Procedure

The "Forward looking sensor (path test drive)" allows you to calibrate the sensor in the most and the last must be carried out by two operators (the driver and the technician who is equipped with the diagnostic tool) drivers connected.

1. Start the engine and set the vehicle in the "Park" position.

2. Start the "Forward looking sensor (path test drive)" following the on-

Bulletin