

Calibration Device - VAS721001-, Installing and Aligning

After performing service work on the vehicle, it may be necessary to calibrate the peripheral camera system. In detail, this is the case after:

- ◆ Replacing one or more cameras
- ◆ Peripheral Camera Control Module -J928- replacement
- ◆ Flash the software from the Peripheral Camera Control Module -J928-
- ◆ Record the data set on the Peripheral Camera Control Module -J928-
- ◆ Repair work on components in which a camera is installed or that influence the component location of the camera
- ◆ Wheel Alignments
- ◆ When adjusting the overlap range of the individual cameras
- ◆ The standing height of one axle changes by more than 5 mm
- ◆ The standing height of the entire vehicle changes by more than 10 mm

Requirement for the Calibration of the Vehicle

- ◆ Camera lens must be cleaned, only clean the camera lenses with a wet towel.
- ◆ Check the camera images on the Front Information Display Control Head -J685-. Replace the camera if the images are unclear because the camera has been damaged. Check the fastener for the camera if the image is low.
- ◆ Make sure both exterior rearview mirrors are folded out.
- ◆ The parking brake must be set.
- ◆ The steering wheel must be in the 0 position and the wheels must be straight.
- ◆ All doors and the rear lid must be closed.
- ◆ No one should be in the vehicle.
- ◆ The vehicle must not be loaded (curb weight).
- ◆ The battery charger is connected, the battery charger must not be in the view of the camera.
- ◆ Ignition switched on.
- ◆ The system is active and is displayed on the Front Information Display Control Head -J685-.
- ◆ Do not move the vehicle during the calibration process.

Requirements for the Calibration Equipment/Calibration Environment

- flat calibration surface
- Do not use any objects in the environment of the calibration field, to prevent a false recognition of lines
- Even light (no headlamps or direct illumination), prevent strong light differences

Special tools and workshop equipment required

- ◆ Calibration System -VAS721001-
- ◆ Vehicle Diagnostic Tester

Overview of the Installed Calibration System -VAS721001-.



WARNING

Make sure light does not reflect off the Calibration System -VAS721001-.

Reflections affect the camera and may make it impossible to perform the calibration.

- 1 - Left Calibration Device
- 2 - Front Peripheral Camera - R243-



- Calibrating. Refer to → Chapter „Peripheral Camera, Calibrating“.

3 - Right Calibration Device

4 - Right Peripheral Camera -R245-

- Calibrating. Refer to → Chapter „Peripheral Camera, Calibrating“.

5 - Rear Peripheral Camera -R246-

- Calibrating. Refer to → Chapter „Peripheral Camera, Calibrating“.

6 - Left Peripheral Camera -R244-

- Calibrating. Refer to → [Chapter „Peripheral Camera, Calibrating“](#).

UnRegistered