



SCT 1410/415: Static camera calibration for lane assist functions



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SCT 1410: universal measuring bar for calibration targets for DAS 800/1000 upgrade

Nowadays, driver assistance systems (DAS) are no luxury feature of upper-class vehicles anymore. They are also widely used in compact cars as well. As a consequence, the calibration of DAS is turning into an increasingly important business factor for automotive workshops.

SCT 1410: universal upgrade for DAS 800/1000

VAS 6430 can be upgraded for almost any manufacturer's vehicles using vehicle-specific calibration maps (targets) The calibration targets are aligned by

- ▶ line laser (-> longitudinal vehicle center line)
- ▶ 3D or CCD wheel alignment (-> geometric driving axle)



SCT 1410 combined with the line-laser module (Ill.: Calibration target for Mercedes-Benz)



SCT 1410 with CCD wheel alignment (Ill.: Calibration target for Kia/Hyundai)



SCT 1410 with 3D measurement boards (Ill.: Calibration target for Nissan)

Scope of delivery of SCT 1410

- ▶ High-precision measuring bar with 2 sliders for the magnet uptake of calibration targets (comes calibrated)
- ▶ Adapter for fitting onto the VAS 6430-4 target
- ▶ P-Assist line-laser module for quick and easy alignment of the measuring bar towards reference points on the vehicle (emblem, camera lense, antenna)
- ▶ 5 m tape measure, plumb bob and chalk line



VAS 6430 adjustment device with fitted DAS modules and 3D measurement boards

High-precision measuring bar taking up the calibration targets

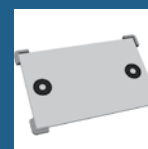


Multi-target shop

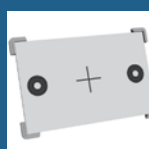
Calibration targets for the following vehicle manufacturers



Universal
Type1 (st) for Renault, Smart, Infiniti
Order number:
1 690 381 142



Mazda
Type 1
Order number:
1 690 382 318



Mercedes-Benz
Type1 (car)
Order number:
1 690 382 312



Nissan Qashqai
Type 1 (set)
Order number:
1 690 381 139

SCT 415: stand-alone solution for the multi-target shop

SCT 415: smart alternative as a secondary work bay

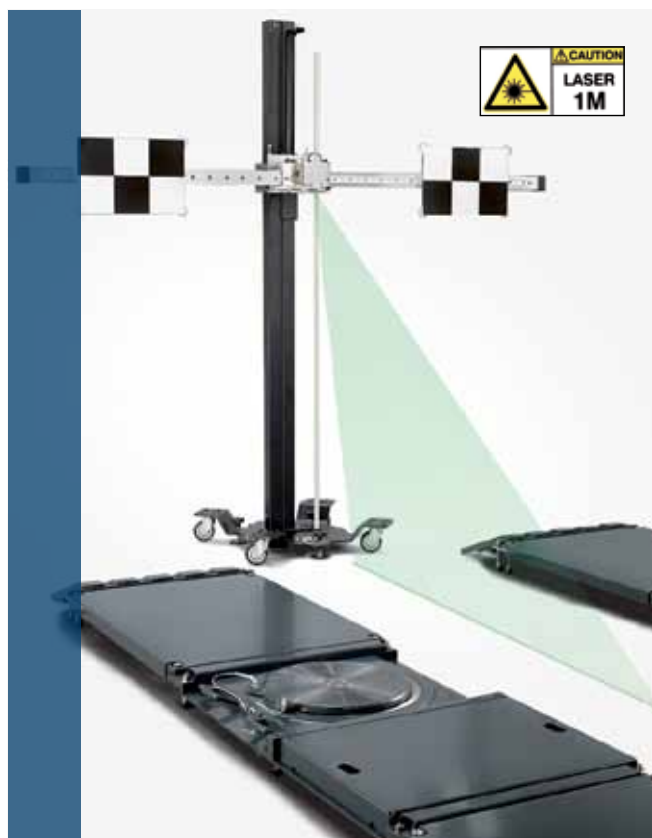
Universally applicable framework taking up the vehicle-specific targets. The high-precision measuring bar can flexibly be adjusted in height. The alignment for referencing towards the longitudinal vehicle center line or its chassis is done with the aid of a computer.

Perfect combination of FWA and DAS: wheel alignment to measure toe/camber and the calibration of driver assistance systems.

- ▶ High flexibility due to multi-target shop (see below)
- ▶ Complete system coverage
- ▶ Quick set-up: Replacement of calibration targets and their alignment towards the vehicle can be done within seconds.
- ▶ Maximum calibration accuracy due to magnetic calibration-target socket
- ▶ Fine adjustment of heading, pitch and roll angles
- ▶ Complies with the specifications of the vehicle manufacturers
- ▶ Line laser for the alignment towards the vehicle
- ▶ Green laser line visible even at bright light

Scope of delivery of SCT 415

- ▶ High-precision measuring bar with 2 sliders for the magnet uptake of calibration maps (comes calibrated)
- ▶ Resilient trolley with robust post taking up the measuring bar
- ▶ P-Assist line-laser module for the alignment of the measurement bar towards the vehicle reference points



Universally applicable thanks to robust trolley and post with height adjustment

- ▶ P-Assist measurement stand for both front and rear axles
- ▶ 5 m tape measure, plumb bob and chalk line



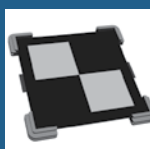
Honda
Type 1 (set)
Order number:
1 690 381 143



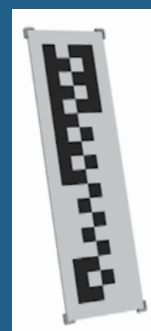
Kia/Hyundai
Type 2
Order number:
1 690 382 316



Honda
Type 2
Order number:
1 690 382 297



Toyota
Type 1
Order number:
1 690 382 287



Kia/Hyundai
Type 1
Order number:
1 690 382 288

Also for PSA and FIAT

Professional DAS service

Calibration of front cameras

Manufacturer	Dynamic with calibration ride	Static with board	DAS 800 DAS 1000	SCT 1410	SCT 415
Alfa Romeo		●	●	-	-
Audi		●	●	-	-
BMW	●				
Chrysler	●				
Citroën	● ^{2) 3)}		-	○	○
Fiat	●	●	-	●	●
Ford	●				
Honda	● ⁴⁾	●	-	●	●
Hyundai		●	-	●	●
Jaguar	●				
Jeep	● ^{2) 3)}		-	○	○
KIA		●	-	●	●
Land Rover	●				
Mazda		●	-	●	●
Maserati		●	-	○	○
Mercedes-Benz		● ¹⁾	-	●	●
Mitsubishi	○	○	-	○	○
Nissan		●	-	●	●
Opel	●				
Peugeot	● ^{2) 3)}		-	○	○
Porsche		●	●	-	-
Renault	● ^{2) 3)}		-	○	○
Seat		●	●	-	-
Škoda		●	●	-	-
Smart		●	-	●	●
Subaru		●	-	●	●
Suzuki	○	○	-	○	○
Toyota		●	-	●	●
Volkswagen		●	●	-	-
Volvo	●				

¹⁾ Depending on the system, either in combination with a calibration ride; ²⁾ Calibration ride with simple initial calibration; ³⁾ For some types of vehicles, a static calibration is obligatory as well; ⁴⁾ For some types of vehicles also with dynamic calibration; - not applicable; ○ in preparation

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Just plug the targets onto the precision slider using the magnetic clamps



Laser module on measuring bar



Alignment towards the vehicle by means of a line laser

Order number 1 693 614 001 Print code RB XXX/10.10.2016 EN Subject to technical and program changes.



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