



Ferrari North America

Technical Information

Date: September 2018
Bulletin #: 2508
Campaign #:
Supersedes:
Section: 10

Subject: Autoshipment of Bosch Equipment for camera and radar calibration

Please note that future **Ferrari** models will be equipped with “**ADAS**” - Advanced Driver-Assistance Systems which use video cameras and radar.

Ferrari has tested and approved the equipment listed in the table below to align and calibrate the components necessary for this system.

- IMPORTANT -

The following parts will be direct shipped to your dealer. You will receive both part numbers if your dealer does not have the Maserati tool. If you have the Maserati tool, you will only receive the target board (part number 079638150)

Ferrari part number	Description	Image
079638050	Radar and Camera Calibration Tool -Bosch MRR -Bosch Front Camera	
079638150	Target Board (Bosch MPC)	

The **07938050** part number consists of the following elements:

- **DACT 2000** - Trolley with transverse bar for transporting calibration modules and Laser-Tracker mirror;
- **DACT 100** - Set of laser headlights with aiming diagram (2 units) to determine vehicle alignment, set of Laser-Tracker targets (2 units);



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- DACT 300 - Tiltable mirror system for active alignment of radar sensors;
- Multi Quick Clamp wheel clamping system (2 units);
- Tape measure.

The 079638150 part number contains:

- DACT 400 – Front camera target board.

- **Technical data**

DACT 2000 – Calibration module trolley

Characteristics	Specifications
Dimensions (HxLxD)	1700 x 2668 x 520 mm
Weight	53 kg



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DACT 100 – Laser headlights

Characteristics	Specifications
Dimensions (HxLxD)	370 x 315 x 48 mm
Weight	1.2 kg
Track	1300 – 1800 mm
Laser class	2
Shape of laser beam	Punctiform (ø 3 mm)
Wave length	650 nm
Radiation level	< 1 mW
Operating voltage	3 - 6 V
Batteries	2 x LR14

DACT 300 – Mirror unit

Characteristics	Specifications
Dimensions (HxLxD)	600 x 750 x 3 mm
Weight	8.1 kg
Tilt adjustment	-2°, 0°, +2° ±0.05°
Vertical adjustment	±0.01°
Horizontal adjustment	±0.03°
Operating range (Radar sensor installation height)	340 - 900 mm



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DACT 400 - Target board

Characteristics	Specifications
Dimensions of target board (HxLxD)	740 x 1340 x 4 mm
Weight	11.6 kg
Calibration pattern	Type 1
Vertical adjustment	$\pm 0.3^\circ$
Horizontal adjustment	$\pm 0.3^\circ$
Height adjustment	1110 – 1700 mm

Thank you for your co-operation.