



# ACS CARS

## Overview vehicle coverage for radar calibration (Last update 18.11.2019; software version 5.28.00)

In the following you will find an overview of all radar systems which can be calibrated using our calibration system ACS cars.

**ACS cars** from WOW! Würth Online World offers you a flexible and cost-effective system for the calibration of static and dynamic camera and radar systems. Consisting of hardware and software components, the calibration system is the optimal solution for the demanding everyday workshop life.

Brand	Model	Model year	System	Available since WOW! version	Type of calibration	Special tools necessary?	Target type if necessary	Global information when adjustment shall be performed
Alfa Romeo	Giulia	2015-2017	ACC (Active cruise control)	5.00.19	Static	YES	TFR-2	a; b; c; d;
Alfa Romeo	Stelvio	2017-2017	ACC (Active cruise control)	5.00.23	Static	YES	TFR-2	a; b; c; d;
Audi	A1 [19-]	2019-2019	Distance controller	5.27.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A3 [13-]	2013-2019	Distance controller	5.00.15	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A6 [11-18]	2011-2018	Distance controller	5.28.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A6 [19-]	2019-2019	Distance controller	5.27.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A7 [11-17]	2011-2017	Distance controller	5.28.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A7 [18-]	2018-2019	Distance controller	5.27.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A8 [10-17]	2010-2016	Distance controller	5.28.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Audi	A8 [18-]	2018-2019	Distance controller	5.27.00	Static	YES	TFR-2	a; b; c; d, e; f, g

Audi	Q2 [17-]	2017-2018	Distance controller	5.00.22	Static	YES	TFR-2	α; b; c; d; e; f; g
BMW	1-series [F20/21]	2014-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	2-series [F22/23/45/46/87]	2014-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	3-series [F30/31/80]	2011-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	3-series [G20]	2018-2019	ACC (Active cruise control)	5.28.00	Static	YES	TFR-2	α; e; f; g
BMW	3-series GT [F34]	2012-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	4-series [F32/33/36/82/83]	2013-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	5-series [F10/11]	2010-2017	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	5-series [G30/31/38]	2016-2019	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	6-series [F06/12/13]	2010-2018	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	6-series GT [G32]	2016-2019	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	7-series [F01/02/04]	2008-2015	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	7-series [G11/12]	2015-2019	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	8-series [G14/15]	2018-2019	FRSF (Front radar sensor long distance )	5.28.00	Static	YES	TFR-2	α; e; f; g

BMW	8-series [G14/15]	2018-2019	HRSNR (Short range radar rear right)	5.28.00	Static	YES	TFR-2	α; e; f; g
BMW	GT [F07]	2009-2017	ACC (Active cruise control)	5.00.24	Static	YES	TFR-2	α; e; f; g
BMW	X1 [E84]	2010-2015	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	X1 [F48]	2016-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	X2 [F39]	2017-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	X3 [G01]	2017-2019	ACC (Active cruise control)	5.00.23	Static	YES	TFR-2	α; e; f; g
BMW	X4 [F26]	2013-2018	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	X4 [G02]	2018-2019	ACC (Active cruise control)	5.00.26	Static	YES	TFR-2	α; e; f; g
BMW	X5 [F15/85]	2013-2019	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	X6 [F16/86]	2014-2019	ACC (Active cruise control)	5.00.22	Static	YES	TFR-2	α; e; f; g
BMW	X7 [G07]	2018-2019	FRSF (Front radar sensor long distance )	5.28.00	Static	YES	TFR-2	α; e; f; g
BMW	X7 [G07]	2018-2019	HRSNR (Short range radar rear right)	5.28.00	Static	YES	TFR-2	α; e; f; g
BMW	Z4 [G29]	2018-2019	HRSNR (Short range radar rear right)	5.28.00	Static	YES	TFR-2	α; e; f; g
Citroën	DS3	2014-2019	Laser camera City brake (LIDAR) (Emergency brake assist)	5.00.26	Static	NO		b; d

DS Automobiles	DS3	2014-2019	Laser camera City brake (LIDAR) (Emergency brake assist)	5.00.26	Static	NO		b; d
Fiat	500X	2015-2017	ACC (Active cruise control)	5.00.19	Static	YES	TFR-2	a; b; c; d;
Hyundai	Ioniq [17-]	2017-2019	AEB (Autonomous emergency braking)	5.00.26	Dynamic	NO		a; b; d; f
Hyundai	Ioniq EV [17-]	2017-2019	AEB (Autonomous emergency braking)	5.27.00	Dynamic	NO		a; b; d; f
Hyundai	Ioniq PHEV [17-]	2017-2019	AEB (Autonomous emergency braking)	5.00.26	Dynamic	NO		a; b; d; f
Jeep	Cherokee [14-]	2014-2017	ACC (Active cruise control)	5.00.20	Dynamic	NO		a; b; c; d
Jeep	Renegade	2015-2016	ACC (Active cruise control)	5.00.19	Static	YES	TFR-2	a; b; c; d;
KIA	Niro [17-]	2017-2019	AEB (Autonomous emergency braking)	5.00.26	Dynamic	NO		a; b; c; d
KIA	Niro Phev [18-]	2018-2019	SCC/AEB (Smart cruise control/Autonomous emergency braking)	5.00.26	Dynamic	NO		a; b; c; d
KIA	Optima Phev [16-]	2016-2019	AEB (Autonomous emergency braking)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	A-Class [W177]	2018-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	AMG GT 4-Door Coupé [X290]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	B-Class [W247]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	C-Class [W205]	2014-2018	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d

Mercedes	C-Class [W205] [2019-]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	CLA-Class [C118]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	CLS [C257]	2018-2019	FCW (Active brake assist)	5.00.22	Dynamic	NO		a; b; c; d
Mercedes	E-Class [W213]	2016-2019	FCW (Active brake assist)	5.00.17	Dynamic	NO		a; b; c; d
Mercedes	E-Class Coupé [C238]	2017-2019	FCW (Active brake assist)	5.00.19	Dynamic	NO		a; b; c; d
Mercedes	G-Class [W463] [2019-]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	GLC [X253]	2016-2019	FCW (Active brake assist)	5.27.00	Dynamic	NO		a; b; c; d
Mercedes	GLE [W167]	2019-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	S-Class [W222]	2013-2017	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mercedes	S-Class [W222] [2018-]	2018-2019	FCW (Active brake assist)	5.00.22	Dynamic	NO		a; b; c; d
Mercedes	S-Class Coupé [C217]	2015-2018	FCW (Active brake assist)	5.27.00	Dynamic	NO		a; b; c; d
Mercedes	S-Class Coupé [C217] [2018-]	2018-2019	FCW (Active brake assist)	5.27.00	Dynamic	NO		a; b; c; d
Mercedes	Sprinter [907]	2018-2019	FCW (Active brake assist)	5.00.26	Dynamic	NO		a; b; c; d
Mitsubishi	Outlander III [13-]	2013-2018	ACC/FCM (Adaptive cruise control/Forward collision mitigation)	5.00.17	Dynamic	NO		a; b; c; d

Nissan	Leaf ZE1 [18-]	2018-2018	Laser/Radar (Laser/Radar)	5.00.24	Static	YES	TFR-2	a; c; d
Nissan	Micra K14 [17-]	2017-2018	Distance regulation	5.00.23	Static	YES	TFR-2	a; c; d
Nissan	Pulsar C13 [14-]	2014-2018	Distance regulation	5.00.17	Static	YES	TFR-2	a; c; d
Nissan	Qashqai J11 [14-]	2014-2018	Distance regulation	5.00.17	Static	YES	TFR-2	a; c; d
Nissan	X-Trail T32 [14-]	2014-2018	Distance regulation	5.00.01	Static	YES	TFR-2	a; c; d
Opel	Astra J	2013-2015	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Opel	Insignia	2013-2016	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Opel	Zafira C	2013-2016	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Peugeot	208	2012-2019	Laser camera City brake (LIDAR) (Emergency brake assist)	5.00.22	Dynamic	NO		b; d
Peugeot	3008 [17-]	2017-2018	Distance alert radar (ARTIV)	5.00.24	Dynamic	NO		a; b; c; d
Peugeot	308 [14-]	2014-2019	Distance alert radar (ARTIV)	5.00.23	Dynamic	NO		a; b; c; d
Peugeot	5008 [10-17]	2010-2017	Distance alert radar (ARTIV)	5.00.23	Dynamic	NO		a; b; c; d
Seat	Alhambra II	2016-2018	Distance controller	5.00.22	Static	YES	TFR-2	a; b; c; d, e; f, g
Seat	Arona	2018-2019	Distance controller	5.00.26	Static	YES	TFR-2	a; b; c; d, e; f, g

Seat	Ateca [16-]	2016-2017	Distance controller	5.00.19	Static	YES	TFR-2	a; b; c; d, e; f, g
Seat	Ibiza V [18-]	2018-2019	Distance controller	5.00.26	Static	YES	TFR-2	a; b; c; d, e; f, g
Seat	Leon III [13-]	2013-2017	Distance controller	5.00.13	Static	YES	TFR-2	a; b; c; d, e; f, g
Škoda	Fabia III	2015-2019	Distance controller	5.00.15	Static	YES	TFR-2	a; b; c; d, e; f, g
Škoda	Karoq	2018-2018	Distance controller	5.00.23	Static	YES	TFR-2	a; b; c; d, e; f, g
Škoda	Kodiaq	2017-2019	Distance controller	5.27.00	Static	YES	TFR-2	a; b; c; d, e; f, g
Škoda	Octavia III [13-]	2013-2019	Distance controller	5.00.10	Static	YES	TFR-2	a; b; c; d, e; f, g
Škoda	Superb III	2016-2018	Distance controller	5.00.17	Static	YES	TFR-2	a; b; c; d, e; f, g
Vauxhall	Astra J	2013-2015	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Vauxhall	Insignia	2013-2016	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Vauxhall	Zafira C	2013-2016	Distance Sensing Cruise Control Module (ACC)	5.00.19	Dynamic	NO		a; b; c; d
Volkswagen	Arteon	2017-2018	Distance controller	5.00.23	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Caddy III [16-]	2016-2017	Distance controller	5.00.24	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Crafter II [17-]	2017-2018	Distance controller	5.00.24	Static	YES	TFR-2	a; b; c; d, e; f, g

Volkswagen	Golf VII	2013-2018	Distance controller	5.00.10	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Passat VII [11-15]	2011-2015	Distance controller	5.00.10	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Passat VIII [15-]	2015-2017	Distance controller	5.00.13	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Polo V [10-]	2015-2017	Distance controller	5.00.15	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Polo VI [17-]	2017-2019	Distance controller	5.00.26	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Sharan II	2016-2018	Distance controller	5.00.22	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	T6 Multivan [15-]	2015-2018	Distance controller	5.00.24	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	T6 Transporter [15-]	2015-2018	Distance controller	5.00.24	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Tiguan [16-]	2016-2018	Distance controller	5.00.15	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	Touran [16-]	2016-2018	Distance controller	5.00.20	Static	YES	TFR-2	a; b; c; d, e; f, g
Volkswagen	T-Roc	2018-2018	Distance controller	5.00.24	Static	YES	TFR-2	a; b; c; d, e; f, g
Volvo	S60 [11-]	2011-2018	FSM (Forward Sensing Module)	5.00.10	Dynamic	NO		a; b; c; d
Volvo	S60 [19-]	2019-2019	ASDM (Active safety domain master)	5.27.00	Dynamic	NO		a; b; c; d
Volvo	S60 Cross Country	2016-2018	FSM (Forward Sensing Module)	5.00.17	Dynamic	NO		a; b; c; d



Volvo	S90 [17-]	2017-2019	ASDM (Active safety domain master)	5.00.22	Dynamic	NO		a; b; c; d
Volvo	V40 [13-]	2013-2018	FSM (Forward Sensing Module)	5.00.10	Dynamic	NO		a; b; c; d
Volvo	V40 Cross Country	2013-2018	FSM (Forward Sensing Module)	5.00.17	Dynamic	NO		a; b; c; d
Volvo	V60	2011-2018	FSM (Forward Sensing Module)	5.00.10	Dynamic	NO		a; b; c; d
Volvo	V60 [19-]	2019-2019	ASDM (Active safety domain master)	5.27.00	Dynamic	NO		a; b; c; d
Volvo	V60 Cross Country	2016-2018	FSM (Forward Sensing Module)	5.00.17	Dynamic	NO		a; b; c; d
Volvo	V60 Cross Country [19-]	2019-2019	ASDM (Active safety domain master)	5.27.00	Dynamic	NO		a; b; c; d
Volvo	V70 [08-]	2008-2016	FSM (Forward Sensing Module)	5.00.10	Dynamic	NO		a; b; c; d
Volvo	V90 [17-]	2017-2019	ASDM (Active safety domain master)	5.00.22	Dynamic	NO		a; b; c; d
Volvo	V90 Cross Country	2017-2019	ASDM (Active safety domain master)	5.00.22	Dynamic	NO		a; b; c; d
Volvo	XC40	2018-2019	ASDM (Active safety domain master)	5.27.00	Dynamic	NO		a; b; c; d
Volvo	XC60	2009-2016	FSM (Forward Sensing Module)	5.00.10	Dynamic	NO		a; b; c; d
Volvo	XC60 [18-]	2018-2018	ASDM (Active safety domain master)	5.00.22	Dynamic	NO		a; b; c; d
Volvo	XC70 [08-]	2008-2016	FSM (Forward Sensing Module)	5.00.22	Dynamic	NO		a; b; c; d

Volvo	XC90 [16-]	2016-2019	ASDM (Active safety domain master)	5.00.22	Dynamic	NO		a; b; c; d
-------	------------	-----------	------------------------------------	---------	---------	----	--	------------

Legend:

- a - Fault code is present
- b - Exchange of windscreen
- c - Exchange of control unit
- d - Replacement of camera
- e - changes after wheel alignment
- f - steering wheel sensor adjustment, height level sensor replacement
- g - lock carrier (VAG)/ front bumper moved