

# ACS Cars

Overview vehicle coverage for the calibration of environment systems (Based on WOW 5.32.00 online version)

In the following you will find an overview of all environment 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.

OVERVIEW 360° CAMERA										
Info	Brand	Model	Model Year	System	WOW version	Type	Special tools	Informations	Target Type if necessary	Global information when adjustment shall be performed
	BMW	1-series [F20/21]	2011-2019	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	1-series [F40]	2019-2020	TRSVC (Overview camera)	5.30.00	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	2-series [F22/23/45/46/87]	2014-2020	TRSVC (Overview camera)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	3-series [F30/31/80]	2011-2019	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	3-series GT [F34]	2012-2020	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	4-series [F32/33/36/82/83]	2013-2020	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	5-series [F10/11]	2010-2017	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	5-series [G30/31/38]	2016-2020	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	6-series [F06/12/13]	2010-2018	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	6-series GT [G32]	2016-2020	TRSVC (Overview camera)	5.00.22	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	7-series [F01/02/03/04]	2008-2015	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	7-series [G11/12]	2015-2020	TRSVC (Overview camera)	5.00.22	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	8-series [G14/15]	2018-2020	TRSVC (Overview camera)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	GT [F07]	2009-2017	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	i3 [[01]	2014-2020	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X1 [E84]	2010-2015	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X1 [F48]	2015-2020	TRSVC (Overview camera)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X2 [F39]	2017-2020	TRSVC (Overview camera)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X3 [F25]	2010-2017	TRSVC (Overview camera)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X3 [G01]	2017-2020	TRSVC (Overview camera)	5.00.23	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X4 [F26]	2013-2018	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d

	BMW	X4 [G02]	2018-2020	TRSVC (Overview camera)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X5 [E70]	2011-2013	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X5 [F15/85]	2013-2019	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X5 [G05]	2018-2020	TRSVC (Overview camera)	5.30.00	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X6 [E71/72]	2011-2013	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X6 [F16/86]	2014-2019	TRSVC (Overview camera)	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X6 [G06]	2018-2020	TRSVC (Overview camera)	5.30.00	Overview Camera	NO	Dynamic		a; b; c; d
	BMW	X7 [G07]	2018-2020	TRSVC (Overview camera)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
	Infiniti	Q50 [13-]	2013-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	Q60 [13-]	2016-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	Q70 [13-]	2015-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	QX50 [13-]	2015-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	QX60 [13-]	2013-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	QX70 [13-]	2015-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Infiniti	QX80 [13-]	2013-2018	AVM (Around view monitor)	5.00.24	Overview Camera	YES	Static	Do it yourself	a; b; c; d
	Mini	Clubman [F54]	2015-2021	TRSVC (Overview camera )	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	Mini	Convertible [F57]	2014-2021	TRSVC (Overview camera )	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	Mini	Countryman [F60]	2017-2021	TRSVC (Overview camera )	5.00.23	Overview Camera	NO	Dynamic		a; b; c; d
	Mini	Coupe/One [F55/56]	2014-2021	TRSVC (Overview camera )	5.00.10	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	A-Class [W177]	2018-2021	PARKMAN213 (Parking assistance)	5.00.23	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	AMG GT [W190]	2019-2021	PARKMAN213 (Parking assistance)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	AMG GT 4-Door Coupé [X290]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	B-Class [W247]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	C-Class [W205] [2019-]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	CLA-Class [C118]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	CLS [C257]	2018-2021	PARKMAN213 (Parking assistance)	5.00.22	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	E-Class [W213]	2016-2020	PARKMAN213 (Parking assistance)	5.00.17	Overview Camera	NO	Dynamic		a; b; c; d
NEW implemented	Mercedes	E-Class [W213]	2021-2021	PARKMAN213 / PARK213M (Parking assistance)	5.32.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	E-Class Coupé [C238]	2017-2021	PARKMAN213 (Parking assistance)	5.00.22	Overview Camera	NO	Dynamic		a; b; c; d

	Mercedes	EQC [N293]	2020-2021	PARKMAN213 (Parking assistance)	5.29.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	G-Class [W463] [2019-]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	GLB-Class [X247]	2019-2021	PARKMAN213 (Parking assistance)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	GLC-Class [X253] [2020-]	2020-2021	PARKMAN213 (Parking assistance)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	GLE [W167]	2019-2021	PARKMAN213 (Parking assistance)	5.00.26	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	GLS [X167]	2019-2021	PARKMAN213 (Parking assistance)	5.28.00	Overview Camera	NO	Dynamic		a; b; c; d
NEW implemented	Mercedes	Mercedes-AMG ONE [C298]	2021-2021	PARKMAN213 (Parking assistance)	5.32.00	Overview Camera	NO	Dynamic		a; b; c; d
NEW implemented	Mercedes	S-Class [V223]	2021-2021	PARKMAN213 / PARK213M (Parking assistance)	5.32.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	S-Class [W222]	2018-2021	PARKMAN213 (Parking assistance)	5.00.22	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	S-Class Coupé [C217] [2018-]	2018-2021	PARKMAN213 (Parking assistance)	5.27.00	Overview Camera	NO	Dynamic		a; b; c; d
	Mercedes	Sprinter [907/910]	2018-2021	PARKMAN213 (Parking assistance)	5.29.00	Overview Camera	NO	Dynamic		a; b; c; d
	Nissan	Juke F15 [10-]	2010-2019	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Leaf ZE0 [10-17]	2010-2017	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Leaf ZE1 [18-]	2018-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Maxima A36 [15-]	2015-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Micra K14 [17-]	2017-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Pulsar C13 [14-]	2014-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Qashqai J11 [14-]	2014-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d
	Nissan	X-Trail T32 [14-]	2014-2020	AVM (Around view monitor)	5.29.00	Overview Camera	YES	Static	Do it yourself	a; c; d

#### REAR VIEW CAMERA

Info	Brand	Model	Model Year	System	WOW version	Type	Special tools	Informations	Target Type if necessary	Global information when adjustment shall be performed
	Fiat	Freemont	2011-2016	PTS (Parktronics)	5.29.00	Parking assistance	NO	Static		d
	Infiniti	Q50 [13-]	2013-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Infiniti	Q60 [13-]	2016-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Infiniti	Q70 [13-]	2015-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Infiniti	QX50 [13-]	2015-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Infiniti	QX60 [13-]	2013-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d

	Infiniti	QX70 [13-]	2015-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Infiniti	QX80 [13-]	2013-2018	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	KIA	Niro [17-]	2017-2019	PGS (Parking guide system)	5.00.26	Rear View Camera	NO	Static		a; b; c; d; e; f
	KIA	Niro Ev [19-]	2019-2020	PGS (Parking guide system)	5.31.00	Rear View Camera	NO	Static		a; b; c; d; e; f
NEW implemented	KIA	Niro Phev [18-]	2018-2019	PGS (Parking guide system)	5.32.00	Rear View Camera	NO	Static		a; b; c; d; e; f
	Lancia	Thema [11-]	2011-2014	PTS (Parktronic)	5.29.00	Parking assistance	NO	Static		d
	Lancia	Voyager	2012-2015	PTS (Parktronic)	5.29.00	Parking assistance	NO	Static		d
	Nissan	Juke F15 [10-]	2010-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Leaf ZE0 [10-17]	2010-2017	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Leaf ZE1 [18-]	2018-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Maxima A36 [15-]	2015-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Micra K14 [17-]	2017-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Primastar X83 [01-14]	2010-2014	AVM (Around view monitor)	5.30.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Pulsar C13 [14-]	2014-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	Qashqai J11 [14-]	2014-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
	Nissan	X-Trail T32 [14-]	2014-2019	AVM (Around view monitor)	5.29.00	Rear View Camera	YES	Static	Do it yourself	a; c; d
NEW implemented	Opel	Karl Viva	2016-2019	Parking assistance	5.32.00	Parking Assist Sensor Learn	NO	Static		a; b; d
	Seat	Alhambra II	2016-2019	Rear view camera	5.29.00	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Seat	Tarraco [19-]	2019-2019	Rear view camera	5.29.00	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Škoda	Kodiaq	2017-2019	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
NEW implemented	Vauxhall	Karl Viva	2016-2019	Parking assistance	5.32.00	Parking Assist Sensor Learn	NO	Static		a; b; d
	Volkswagen	Arteon	2017-2018	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Passat CC	2009-2017	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Passat VI [05-11]	2005-2011	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Passat VII [11-15]	2011-2015	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Passat VIII [15-]	2015-2020	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Sharan II	2011-2019	Rear view camera	5.29.00	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f
	Volkswagen	Tiguan [16-]	2016-2020	Rear view camera	5.00.24	Rear View Camera	YES	Static	VAS 6350	a; b; c; d; f

NIGHT VISION CAMERA										
Info	Brand	Model	Model Year	System	WOW version	Type	Special tools	Informations	Target Type if necessary	Global information when adjustment shall be performed
	BMW	7-series [F01/02/03/04]	2008-2015	NVE (Night vision electronics)	5.00.17	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	CL [C216]	2008-2013	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	CLS [C218]	2011-2018	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	E-Class [W212]	2009-2016	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	E-Class Coupé [W207]	2013-2017	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	GL-Class [X166]	2013-2015	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	M-Class [W166]	2012-2015	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	S-Class [W221]	2009-2013	NV221/NV231 (Night view assist)	5.00.24	Night-Vision Camera	NO	Dynamic		a; b; c; d
	Mercedes	SL [R231]	2013-2019	NV221/NV231 (Night view assist)	5.29.00	Night-Vision Camera	NO	Dynamic		a; b; c; d

BLIND SPOT DETECTION / LANE CHANGE WARNING										
Info	Brand	Model	Model Year	System	WOW version	Type	Special tools	Informations	Target Type if necessary	Global information when adjustment shall be performed
	BMW	8-series [G14/15]	2018-2020	HRSNR (Short range radar rear right)	5.29.00	Environment Radar	NO	Static		a; c; d
	BMW	X6 [G06]	2018-2020	HRSNR (Short range radar rear right)	5.31.00	Environment Radar	NO	Static		a; c; d
	BMW	X7 [G07]	2018-2020	HRSNR (Short range radar rear right)	5.29.00	Environment Radar	NO	Static		a; c; d
	BMW	Z4 [G29]	2018-2020	HRSNR (Short range radar rear right)	5.29.00	Environment Radar	NO	Static		a; c; d
	BMW	3-series [F30/31/80]	2011-2019	SWW (Lane replacement warning)	5.00.23	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	3-series GT [F34]	2012-2020	SWW (Lane replacement warning)	5.00.23	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	4-series [F32/33/36/82/83]	2013-2020	SWW (Lane replacement warning)	5.00.23	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	4-series [G22/G82]	2020-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	5-series [F10/11]	2010-2017	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	5-series [G30/31/38]	2016-2017	SWW (Lane replacement warning)	5.00.22	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	5-series [G30/31/38/F90]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	6-series [F06/12/13]	2010-2018	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	6-series GT [G32]	2016-2021	SWW (Lane replacement warning)	5.00.22	Environment Radar	NO	Dynamic		a; b; c; d

NEW implemented	BMW	6-series GT [G32]	2016-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	7-series [F01/02/03/04]	2008-2015	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	7-series [G11/12]	2015-2017	SWW (Lane replacement warning)	5.00.22	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	7-series [G11/12]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	8-series [G14/15]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	GT [F07]	2009-2017	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	X3 [G01]	2017-2017	SWW (Lane replacement warning)	5.00.23	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	X3 [G01]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	X4 [F26]	2013-2018	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	X4 [G02]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.27.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	X5 [F15/85]	2013-2019	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	X5 [G05]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	BMW	X6 [F16/86]	2014-2019	SWW (Lane replacement warning)	5.00.19	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	X6 [G06]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	X7 [G07]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	BMW	Z4 [G29]	2018-2021	HRSNR/SWW (Short range radar rear right (HRSNR) or Lane change warning (SWW))	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	Hyundai	Kona [18-]	2018-2018	BSD (Blind spot detection)	5.00.23	Environment Radar	NO	Dynamic		a; b; d; f
	Hyundai	Kona EV [19-]	2019-2020	BSD (Blind spot detection)	5.31.00	Environment Radar	NO	Dynamic		a; b; d; f
NEW implemented	KIA	Niro Ev [19-]	2019-2020	BSD (Blind spot detection)	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	KIA	Optima [16-]	2016-2020	BSD (Blind spot detection)	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	KIA	Sorento [15-]	2015-2018	BSD (Blind spot detection)	5.00.23	Environment Radar	NO	Dynamic		a; b; c; d
NEW implemented	KIA	Sportage [16-]	2019-2020	BSD (Blind spot detection)	5.32.00	Environment Radar	NO	Dynamic		a; b; c; d
	VOLVO	S60 [19-]	2019-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	S90 [17-]	2017-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c

	VOLVO	V60 [19-]	2019-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	V60 Cross Country [19-]	2019-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	V90 [17-]	2017-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	V90 Cross Country	2017-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	XC40	2018-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	XC60 [18-]	2018-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c
	VOLVO	XC90 [16-]	2016-2020	Side Obstacle Detection Control Module - Left & Right	5.31.00	Environment Radar	NO	Static		a; c

**Explanation:**

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