








Manufacturer	Model designation	Radio equipment approval number
Molex	WCH-302d (control unit)	71220/ SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya


Manufacturer	Model designation	Radio equipment approval number
		



Manufacturer	Model designation	Radio equipment approval number
Molex	WCH-302e (control unit)	71669/ SDPPI/2020 7163  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya



Manufacturer	Model designation	Radio equipment approval number
		




Manufacturer	Model designation	Radio equipment approval number
Panasonic	DAIRSE (control unit)	63550/SDPPI/2019  Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya


Manufacturer	Model designation	Radio equipment approval number
		
Schrader	GG4T (tyre pressure sensor)	72023/SDPPI/2020 9338
Schrader	AG5SP4 (tyre pressure sensor)	75465/SDPPI/2021 7163 

Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	72765/ SDPP/2021 7163 
Schrader	DG6W2D4 (tyre pressure sensor)	57058/ SDPPI/2018 3612
Schrader	MC34MA4 (tyre pressure monitor control unit)	25626/ SDPPI/2015 3612

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG3PF4 (tyre pressure sensor)	62396/ SDPPI/2020 7163 
Schrader	GG4T (tyre pressure sensor)	72023/ SDPPI/2020 7163 

Manufacturer	Model designation	Radio equipment approval number
Veoneer	77GHz MMRV1 (radar sensor)	74749/ SDPPI/2021 7163 
Veoneer	77V12CRN (radar sensor)	66830/ SDPPI/2020 7163 

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V125CRN (radar sensor)	78366/ SDPPI/2021 7163 	Veoneer	77V12BSM (radar sensor)	66792/ SDPPI/2020 7163 	WITTE-Velbert	SDHTAG3NFC (locking system)	67233/ SDPPI/2020 10325  <div>Dilarang melakukan perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya</div>

Manufacturer	Model designation	Radio equipment approval number
		

Israel

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
		Approval number of the Ministry of Communications:
ADC	ARS4-A (radar sensor)	55-09697

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS6-A (radar sensor)	55-14225
ADC	ARS4-C (radar sensor)	55-07525
Bosch	FR5CPCCF (radar sensor)	55-08783
Bosch	LRR3 (radar sensor)	55-08334
Bosch	MRR1Rear (radar sensor)	55-08333
Bosch	MRRe14FCR (radar sensor)	55-08395
Bosch	F5CP12 (radar sensor)	55-12854
Bosch	MBCI2LS3PR 1 (head unit)	51-91228

Manufacturer	Model designation	Radio equipment approval number
Bosch	MBCI2LS4PR 1 (head unit)	51-91226
Continental Antenna	RKE213E1 (aerial amplifier)	55-13929
Continental Antenna	RKE223E1GN S (aerial amplifier)	51-97825
Continental Automotive	D-WMI2017B (control unit)	51-75654
Continental Automotive	D-WMI2017A (control unit)	51-75367
Continental Automotive	D-WMI2016A (control unit)	55-08177
Continental Automotive	D-WMI2020A (control unit)	55-08179

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	RKE213E1 (Antennenverstärker)	55-13929
Continental Automotive	RKE223E1GNS (Antennenverstärker)	51-97825
Continental Automotive	CMKG1 (Schließsystem)	51-87871
Continental Automotive	CMKG2 (Schließsystem)	51-92059
Continental Automotive	MARS Keyless (Schließsystem)	55-13749

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	51-90718
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	51-90717
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	51-90719
Harman Becker	NTG7 HIGH-IL (Headunit)	51-89476
Harman Becker	NTG7 PRE-MIUMPLUS-IL (Headunit)	51-89475
HELLA	DM4 (locking system)	55-14271

Manufacturer	Model designation	Radio equipment approval number
HELLA	RS6 (locking system)	51-98663
Hirschmann	920287A (locking system)	51-62759
Hirschmann	920287B (locking system)	51-49357
Hirschmann	920702A (locking system)	55-12320
Huf Baolong	TSSRE4A (tyre pressure sensor)	63-63571
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	63-66757

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	55-14153
LEOPOLD KOSTAL	KK1 (locking system)	51-87872
MARQUARDT	DC12A (locking system)	55-13847
MARQUARDT	DC12B (locking system)	55-12215
MARQUARDT	DC12K (locking system)	55-12214
MARQUARDT	MS2 (locking system)	51-85192
MARQUARDT	MS5 (locking system)	51-86840

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	55-14331
MARQUARDT	MK1 (locking system)	51-94449
MARQUARDT	MK2 (locking system)	51-94450
MARQUARDT	MK3 (locking system)	56-03260
MARQUARDT	MU3 (locking system)	51-97974
Schrader	AG3PF4 (tyre pressure sensor)	51-78338
Schrader	AG5SP4 (tyre pressure sensor)	51-73152

Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	51-77898
Schrader	DG6W2D4 (tyre pressure sensor)	51-64111
Schrader	GG4T (tyre pressure sensor)	55-09441
Schrader	MC34MA4 (tyre pressure monitor control unit)	51-29611
Schrader	MFR (tyre pressure monitor control unit)	55-06040

Manufacturer	Model designation	Radio equipment approval number
Schrader	MFR3 (tyre pressure monitor control unit)	51-79817
Veoneer	77V12BSM (radar sensor)	55-08176
Veoneer	77V12CRN (radar sensor)	55-08301
WITTE-Velbert	SDHTAG3NFC (locking system)	55-12216
Vitesco	HFA30 (Handsfree-Access)	56-01011

Jamaica

Regulatory radio identifiers

Manufacturer	Model designation
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	RKE213E1 (aerial amplifier)
Continental Automotive	RKE223E1GNS (aerial amplifier)
Continental Automotive	MARS Keyless (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)

Manufacturer	Model designation
Hirschmann	920702A (locking system)
HELLA	DM4 (locking system)
HUF	HUF13145 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MK1 (locking system)

Manufacturer	Model designation
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	3350.38 (locking system)
WITTE-Velbert	SDHTAG3NFC (locking system)
Valeo	ARTEMIS-SUB-01 (locking system)
Vitesco	HFA30 (Handsfree-Access)

Japan

Regulatory radio identifiers



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	TMWK2211004648KR
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	003-230113
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	003-230112
Sennheiser	M3IETW2R (Earbud)	201-190814 (R)



Manufacturer	Model designation	Radio equipment approval number
Sennheiser	M3IETW2L (Earbud)	201-190815 (L)
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	020-180077
Vitesco	HFA30 (Handsfree-Access)	209-J00495

Canada

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	IC: 7812D-CMKG2
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	IC: NTG7QMIDLF 2
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IC: NTG7QHIGLF 2
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	IC: NTG7QPREF2
Sennheiser	M3IETW2R (Earbud)	IC:2099A-M3IETW2R
Sennheiser	M3IETW2L (Earbud)	IC:2099A-M3IETW2L

Manufacturer	Model designation	Radio equipment approval number
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	IC:2099A-BTT100
Sennheiser	M3IETW2 C (Charging Case)	CAN ICS-3(B)/NMB-3(B)
Vitesco	HFA30 (Handsfree-Access)	28616-HFA30


Kuwait


Regulatory radio identifiers


Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	Ref. 5873
Continental Automotive	CMKG2 (locking system)	Ref. 6716
Sennheiser	M3IETW2 (Momentum True Wireless 2)	Ref. 4870
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	Ref. 4871
Vitesco	HFA30 (Handsfree-Access)	Ref. 7272

Malaysia

Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS6-A (radar sensor)	HIDF15000153
ADC	ARS4-C (radar sensor)	HIDF15000153
Bosch	FR5CPCCF (radar sensor)	CIDF15000490
Bosch	LRR3 (radar sensor)	CIDF15000490
Bosch	MRR1Rear (radar sensor)	CIDF15000490

		
Manufacturer	Model designation	Radio equipment approval number
Bosch	MRRe14FCR (radar sensor)	CIDF15000490
Bosch	MRRevo14F (radar sensor)	CIDF15000490
Bosch	F5CP12 (radar sensor)	RGLN/30A/0522/S(22-2490)
Continental Antenna	RKE213E1 (aerial amplifier)	HIDF15000153
Continental Antenna	RKE223E1GN S (aerial amplifier)	HIDF16000136

		
Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	HIDF15000153
Continental Automotive	CMKG2 (locking system)	HIDF15000153
Continental Automotive	MARS Keyless (locking system)	CIDF15000578
Continental Automotive	UWBTRX1 (locking system)	HIDF15000153
Continental Automotive	D-WMI2020A (control unit)	RGEZ/12A/1019/S(19-4128)



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	RCCT/92G/0423/S(23-0350)
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	CCT/91G/0323/S(23-1291)
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	RGQB/05A/0323/S(23-1293)
HELLA	DM4 (locking system)	RDDK/41A/0717/S(17-2269)
HELLA	RS6 (locking system)	CIDF15000578



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	RAUU/63A/0311/S(11-0432)
Hirschmann	920287B (locking system)	RAUU/22C/0615/S(15-1864)
Hirschmann	920702A (locking system)	HIDF15000153
Huf Baolong	TSSRE4A (tyre pressure sensor)	HIDF15000153



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	RFBY/09A/0422/S(22-1843)
HUF	HUF14632 (locking system)	RAYN/25A/0715/S(15-2385)
HUF	HUF4761 (locking system)	RAAU/16B/1112/S(12-2053)
LEOPOLD KOSTAL	KK1 (locking system)	HIDF15000153
MARQUARDT	DC12A (locking system)	RDDK/33A/0317/S(17-0669)



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	RAUU/62A/0311/S(11-0263)
MARQUARDT	DC12K (locking system)	RAUU/62A/0311/S(11-0264)
MARQUARDT	MS2 (locking system)	RDDK/31A/0217/S(17-0405)
MARQUARDT	MS4 (locking system)	RDDK/25B/1019/S(19-0943)



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS5 (locking system)	RGLO/02A/0720/S(20-2580)
MARQUARDT	MK1 (locking system)	CIDF19000029
MARQUARDT	MK2 (locking system)	CIDF19000029
MARQUARDT	3350.38 (locking system)	CIDF19000029
Meta System	ITS/TPS (interior protection)	RAVG/18Q/0212/S(11-2068)



Manufacturer	Model designation	Radio equipment approval number
Meta System	MUW II (interior protection)	RAVG/17Q/0212/S(11-2067)
Schrader	AG5SP4 (tyre pressure sensor)	RCDD/03A/0615/S(19-2094)
Schrader	AG3PF4 (tyre pressure sensor)	RBEF/28A/0419/S/(19-1542)
Schrader	BG3FP4 (tyre pressure sensor)	RBEF/51A/0121/S/(20-5642)



Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	RBEF/09A/1017/S(17-3183)
Schrader	DG6W2D4 (tyre pressure sensor)	RBEF/09A/1017/S(17-3183)
Schrader	MFR (tyre pressure monitor control unit)	RAQP/62A/0419/S(19-1694)
Schrader	MFR3 (tyre pressure monitor control unit)	RAQP/62A/0419/S(19-1694)



Manufacturer	Model designation	Radio equipment approval number
Veoneer	77GHz MMRV1 (radar sensor)	HIDF15000153
Veoneer	77V12BSM (radar sensor)	HIDF15000153
Veoneer	77V12CRN (radar sensor)	HIDF15000153
Veoneer	77V125CRN (radar sensor)	HIDF15000153



Manufacturer	Model designation	Radio equipment approval number
WITTE-Velbert	SDHTAG3NFC (locking system)	RDDK/43B/0420/S(20-1749)
Vitesco	HFA30 (Handsfree-Access)	RGZK/03A/1223/S(23-5530)

Morocco

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
		AGREE PAR L'ANRT MAROC
ADC	ARS4-A (radar sensor)	MR 9490 ANTR 2014-07-23
ADC	ARS6-A (radar sensor)	MR 00033936 ANRT 2022-08-03
ADC	ARS4-C (radar sensor)	MR 20231 ANRT 2019-06-27

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS441DP10 (radar sensor)	MR 20231 ANRT 2019-06-27
Bosch	FR5CPCCF (radar sensor)	MR 20575 ANRT 2019-07-29
Bosch	LRR3 (radar sensor)	MR 5371 ANRT 2010 2019-12-05
Bosch	MRR1Rear (radar sensor)	MR 9186 ANTR 2014-04-22
Bosch	MRRe14FCR (radar sensor)	MR 13900 ANTR 2017-05-04
Bosch	F5CP12 (radar sensor)	MR00032137 ANRT2022

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	MR 10631 ANTR 2015-07-16
Continental Antenna	RKE223E1GN S (aerial amplifier)	MR 21174 ANTR 2019-10-14
Continental Automotive	CMKG1 (locking system)	MR 21701 ANTR 2019-12-05
Continental Automotive	CMKG2 (locking system)	MR 36542 ANRT 2023-02-01
Continental Automotive	MARS Keyless (locking system)	MR 13681 ANTR 2017-04-04
HELLA	DM4 (locking system)	MR 14426 ANTR 2017-07-28

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	MR 6700 ANTR 2011-11-16	HUF	HUF13145 (locking system)	MR 32395 ANRT 2022-03-24	MARQUARDT	DC12K (locking system)	MR 6699 ANTR 2021-11-04
Hirschmann	920287B (locking system)	MR 7260 ANTR 2012-06-13	HUF	HUF14632 (locking system)	MR 10506 ANTR 2015-06-22	MARQUARDT	MS2 (locking system)	MR 13300 ANTR 2017-02-15
Hirschmann	920702A (locking system)	MR 32214 ANTR 2022-03-08	HUF	HUF4761 (locking system)	MR 7829 ANTR 2013-02-14	MARQUARDT	MS4 (locking system)	MR 19199 ANTR 2019-03-25
Huf Baolong	TSSRE4A (tyre pressure monitor control unit)	MR 14320 ANTR 2017-07-07	LEOPOLD KOSTAL	KK1 (locking system)	MR 10697 ANTR 2015-08-05	MARQUARDT	MS5 (locking system)	MR 23805 ANTR 2020-04-22
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	MR 19561 ANTR 2019-04-26	MARQUARDT	DC12A (locking system)	MR 13429 ANTR 2017-03-03	MARQUARDT	MS7 (locking system)	MR 00001197 ANTR 2024-03-25
			MARQUARDT	DC12B (locking system)	MR 6698 ANTR 2021-11-04			

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	MR 10645 ANTR 2015-07-21
MARQUARDT	MK2 (locking system)	MR 10987 ANTR 2015-10-22
MARQUARDT	MK3 (locking system)	MR 00041098 ANTR 2023-12-25
MARQUARDT	MU3 (locking system)	MR 00039580 ANTR 2023-08-08
MARQUARDT	3350.38 (locking system)	MR 18817 ANTR 2019-02-12




Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MUB1 (locking system)	MR 00000864 ANTR 2024-02-29
Schrader	AG5SP4 (tyre pressure monitor control unit)	MR 10216 ANRT 2015
Schrader	AG3PF4 (tyre pressure sensor)	MR 19241 ANRT 2019
Schrader	BG3FP4 (tyre pressure sensor)	MR00026829 ANRT2020
Schrader	MFR (tyre pressure monitor control unit)	MR 10927 ANRT 2015




Manufacturer	Model designation	Radio equipment approval number
Schrader	MFR3 (tyre pressure monitor control unit)	MR 19527 ANRT 2019
Schrader	GG4T (tyre pressure sensor)	MR 14777 ANRT 2017-09-20
Schrader	DG6W2D4 (tyre pressure sensor)	MR 16355 ANRT 2018-04-19
Schrader	MC34MA4 (tyre pressure monitor control unit)	MR 6706 ANRT 2011-11-17
Veoneer	77GHz MMRV1 (radar sensor)	MR 10436 ANRT 2015-05-25




Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12BSM (radar sensor)	MR 20097 ANRT 2019-06-14
Veoneer	77V12CRN (radar sensor)	MR 20149 ANRT 2019-06-19
Veoneer	77V125CRN (radar sensor)	MR 27966 ANRT 2021-03-29
Valeo	ARTEMIS-SUB-01 (radar sensor)	MR 00000073 ANRT 2024-01-05
WITTE-Velbert	SDHTAG3NFC (locking system)	MR 23310 ANRT 2020-03-10




Mexico




Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	IFETEL: RCPCOAR14-1191
ADC	ARS6-A (radar sensor)	IFETEL: SYCOAR22-17289
ADC	ARS4-C (radar sensor)	IFETEL: RLVCOR19-1062
ADC	ARS441DP10 (radar sensor)	IFETEL: RLVCOR19-1062

		
Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	IFETEL: RCPBOLR09-0828
Bosch	MRR1Rear (radar sensor)	IFETEL: RCPBOMR14-0922
Bosch	MRR14FCR (radar sensor)	IFETEL: RCPBOMR17-0598
Continental Antenna	RKE213E1 (aerial amplifier)	IFETEL: RLVKARK15-1741

		
Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	IFETEL: RLVCORK19-2174
Continental Automotive	CMKG1 (locking system)	IFETEL: RCPCOCM19-2315
Continental Automotive	CMKG2 (locking system)	IFETEL: COCOCM22-31003
Continental Automotive	MARS Keyless (locking system)	IFETEL: RLVDAMA18-1827

		
Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	UWBTRX1 (locking system)	IFETEL: MECOCM22-17609
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	IFETEL: MEMENT23 - 12200
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IFETEL: MEMENT23 - 11923
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	IFETEL: MEMENT23 - 12204

		
Manufacturer	Model designation	Radio equipment approval number
Gentex	MUAHL 5 (convenience system)	IFETEL: RCPGEMU15-0448
HELLA	DM4 (locking system)	IFETEL: RLVHEDM17-10
Hirschmann	920287A (locking system)	IFETEL: RLVHI9211-0472
Hirschmann	920287B (locking system)	IFETEL: RLVHI9212-0608






Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	IFETEL: RLVHI9222-2674
Huf Baolong	TSSRE4A (tyre pressure sensor)	IFETEL: RLVHUTS17-0806
HUF	HUF13145 (locking system)	IFETEL: RCPHUHU22-2505
HUF	HUF14632 (locking system)	IFETEL: RLVHUHU15-1204









Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	IFETEL: RLVHUHU12-1587
LEOPOLD KOSTAL	KK1 (locking system)	IFETEL: RLVKOKK15-0891
MARQUARDT	DC12A (locking system)	IFETEL: RLVMEDC17-0348
MARQUARDT	DC12B (locking system)	IFETEL: RLVMADC11-0446



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12K (interior protection)	IFETEL: RLVMA DC11-0446
MARQUARDT	MS2 (locking system)	IFETEL: RLVMA MS17-0222
MARQUARDT	MS4 (locking system)	IFETEL: RLVMA MS19-0449
MARQUARDT	MS5 (locking system)	IFETEL: RLVME MS20-0957

		
Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	IFETEL: RLVAMK15-1042
MARQUARDT	MK2 (locking system)	IFETEL: RLVAMK15-1043
MARQUARDT	3350.38 (locking system)	IFETEL: RCPMA3319-0530
Schrader	AG5SP4 (tyre pressure sensor)	IFETEL: RCPSCAG15-0627

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	AG3PF4 (tyre pressure sensor)	IFETEL: RLVSCAG19-0705
Schrader	BG3FP4 (tyre pressure sensor)	IFETEL: RLVSCBG21-0750
Schrader	MFR (tyre pressure monitor control unit)	IFETEL: RLVSCMF15-0959
Schrader	MFR3 (tyre pressure monitor control unit)	IFETEL: RLVSCMF19-0777

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	IFETEL: RLVSCGG17-1665
Schrader	DG6W2D4 (tyre pressure sensor)	IFETEL: RLVSCDG18-04
Schrader	MC34MA4 (tyre pressure monitor control unit)	IFETEL: RCPSCMR14-062
Sennheiser	M3IETW2R (Earbud)	IFETEL: RCPSEM320-0435-A1



Manufacturer	Model designation	Radio equipment approval number
Sennheiser	M3IETW2L (Earbud)	IFETEL: RCPSEM320-0435
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	IFETEL: RCPSEBT18-1407
WITTE-Velbert	SDHTAG3NFC (locking system)	IFETEL: RCPWISD20-0943
Vitesco	HFA30 (Handsfree-Access)	IFETEL: ROVIHF24-02919

Mongolia

Regulatory radio identifiers



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	A19000633
Continental Automotive	CMKG2 (locking system)	A23000900
Continental Automotive	MARS Keyless (locking system)	A18000328
HELLA	DM4 (locking system)	A18000329



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	A22000649
HUF	HUF13145 (locking system)	A22000674
MARQUARDT	DC12A (locking system)	A19000400
MARQUARDT	DC12B (locking system)	A19000371
MARQUARDT	DC12K (locking system)	A19000372



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	A18000289
MARQUARDT	MS4 (locking system)	A19000516
MARQUARDT	MS5 (locking system)	A20000085
MARQUARDT	MK1 (locking system)	A19000374
MARQUARDT	MK2 (locking system)	A19000374
MARQUARDT	MK3 (locking system)	A24001205



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	A23001102
MARQUARDT	3350.38 (locking system)	A19000401
WITTE-Velbert	SDHTAG3NFC (locking system)	A20000067
Valeo	ARTEMIS-SUB-01 (radar sensor)	A24001183
Vitesco	HFA30 (Handsfree-Access)	A23001126

Niger

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	029 / ARCEP/DG/19
Continental Automotive	MARS Keyless (locking system)	083 / ARCEP/DG/19
HELLA	DM4 (locking system)	082 / ARCEP/DG/19
Hirschmann	920287A (locking system)	097 / ARCEP/DG/19
Hirschmann	920287B (locking system)	098 / ARCEP/DG/19

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	053/ARCEP/DG/19
LEOPOLD KOSTAL	KK1 (locking system)	037/ARCEP/DG/19
MARQUARDT	DC12A (locking system)	010/ARCEP/DG/19
MARQUARDT	DC12B (locking system)	008/ARCEP/DG/19
MARQUARDT	DC12K (locking system)	009/ARCEP/DG/19
MARQUARDT	MS2 (locking system)	014/ARCEP/DG/19

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS4 (locking system)	HOMO-0096/ARCEP/DG/2019
MARQUARDT	MK1 (locking system)	034/ARCEP/DG/19
MARQUARDT	MK2 (locking system)	035/ARCEP/DG/19
MARQUARDT	3350.38 (locking system)	015/ARCEP/DG/19
MARQUARDT	MU1 (locking system)	HOMO-0095/ARCEP/DG/2019

Nigeria

Regulatory radio identifiers

Manufacturer	Model designation
ADC	ARS4-A (radar sensor)
ADC	ARS6-A (radar sensor)
ADC	ARS4-C (radar sensor)
Bosch	FR5CPCCF (radar sensor)
Bosch	MRR1Rear (radar sensor)
Bosch	MRRe14FCR (radar sensor)
Bosch	F5CP12 (radar sensor)
Continental Antenna	RKE213E1 (aerial amplifier)
Continental Antenna	RKE223E1GNS (aerial amplifier)

Manufacturer	Model designation
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)
HELLA	DM4 (locking system)
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
HUF	HUF13145 (locking system)
HUF	HUF14632 (locking system)

Manufacturer	Model designation
HUF	HUF4761 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)

Manufacturer	Model designation
MARQUARDT	3350.38 (locking system)
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	MFR3 (tyre pressure monitor control unit)
Veoneer	77V12BSM (radar sensor)
Veoneer	77V12CRN (radar sensor)
Veoneer	77V125CRN (radar sensor)
WITTE-Velbert	SDHTAG3NFC (locking system)
Vitesco	HFA30 (Handsfree-Access)

Oman

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TRA/TA-R/ 2016/14 D080134
ADC	ARS6-A (radar sensor)	TRA/TA-R/ 14181/22 D172338
ADC	ARS4-C (radar sensor)	TRA/TA-R/ 7769/19 D172338
Bosch	FR5CPCCF (radar sensor)	TRA/TA-R/ 7983/19 D172338
Bosch	LRR3 (radar sensor)	TRA/TA-R/ 1049/09

Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	TRA/TA-R/ 1849/14
Bosch	MRRe14FCR (radar sensor)	TRA/TA-R/ 4353/17
Bosch	F5CP12 (radar sensor)	TRA/TA-R/ 13339/22
Continental Antenna	RKE213E1 (aerial amplifier)	TRA/TA-R/ 2715/15 D090258
Continental Antenna	RKE223E1GN S (aerial amplifier)	TRA/TA-R/ 8337/19 D172338
Continental Automotive	CMKG1 (locking system)	TRA/TA-R/ 8642/19 D172338

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	TRA/TA-R/ 15164/23 D100428
Continental Automotive	MARS Keyless (locking system)	TRA/TA-R/ 4158/17 D080134
HELLA	DM4 (locking system)	TRA/TA-R/ 4548/17 D080134
Hirschmann	920287A (locking system)	TRA/TA-R/ 0210/11 D080353
Hirschmann	920287B (locking system)	TRA/TA-R/ 0655/12 D080353

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	TRA/TA-R/13300/22 D172338
Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA/TA-R/4516/17 D100428
Huf Baolong	TSSSG4G6b (tyre pressure sensor)	TTRA/TA-R/7506/19
HUF	HUF13145 (locking system)	TRA/TA-R/13465/22
HUF	HUF14632 (locking system)	TRA/TA-R/2665/15

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	TRA/TA-R/0920/12
LEOPOLD KOSTAL	KK1 (locking system)	TRA/TA-R/3129/16
MARQUARDT	DC12A (locking system)	TRA/TA-RD/4056/17 D100428
MARQUARDT	DC12B (locking system)	TRA/TA-R/0227/11 D080353
MARQUARDT	DC12K (locking system)	TRA/TA-R/0228/11 D080353
MARQUARDT	MS2 (locking system)	TRA/TA-R/4136/17 D080134

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS4 (locking system)	TRA/TA-R/7316/19 D172249
MARQUARDT	MS5 (locking system)	TRA/TA-R/17887/24 D172338
MARQUARDT	MK1 (locking system)	TRA/TA-R/2848/15 D080353
MARQUARDT	MK2 (locking system)	TRA/TA-R/2900/15 D080353
MARQUARDT	MK3 (locking system)	TRA/TA-R/17223/23 D080354

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	TRA/TA-R/ 16494/23 D172338
MARQUARDT	3350.38 (locking system)	TRA/TA-R/ 7051/19 D172249
MARQUARDT	MUB1 (locking system)	TRA/TA-R/ 17721/24 D172338
Schrader	AG5SP4 (tyre pressure sensor)	TTRA R/ 2380/15 D080134
Schrader	AG3PF4 (tyre pressure sensor)	TRA R/ 7287/19 D172338

Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	TRA/TA-R/ 10694/20 D172338
Schrader	MFR (tyre pressure monitor control unit)	TRA/TA-R/ 7464/19 D090258
Schrader	MFR3 (tyre pressure monitor control unit)	TRA/TA-R/ 7467/19 D090258
Schrader	GG4T (tyre pressure sensor)	TRA/TA-R/ 4686/17 D080134
Schrader	DG6W2D4 (tyre pressure sensor)	TRA/TA-R/ 5511/18 D172249

Manufacturer	Model designation	Radio equipment approval number
Sennheiser	M3IETW2R (Earbud)	TRA/TA-R/ 10988/21
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	TRA/TA-R/ 10976/21
Veoneer	77GHz MMRV1 (radar sensor)	TRA/TA-R/ 2706/15
Veoneer	77V12BSM (radar sensor)	TRA/TA-R/ 7706/19 D172338
Veoneer	77V12CRN (radar sensor)	TRA/TA-R/ 7707/19 D172338
Veoneer	77V125CRN (radar sensor)	TRA/TA-R/ 11335/21 D172338

Manufacturer	Model designation	Radio equipment approval number
WITTE-Velbert	SDHTAG3NFC (locking system)	TRA/TA-R/9150/20
Valeo	ARTEMIS-SUB-01 (radar sensor)	TRA/TA-R/17293/23 D172338
Vitesco	HFA30 (Handsfree-Access)	TRA/TA-R/17028/23 172338D

Pakistan

Regulatory radio identifiers



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TAC NO: 9.9014/2019
ADC	ARS4-C (radar sensor)	TAC NO: 9.9389/2019
Bosch	FR5CPCCF (radar sensor)	TAC NO: 9.198/2020
Bosch	F5CP12 (radar sensor)	TAC NO: 9.243/2023
Continental Antenna	RKE213E1 (aerial amplifier)	TAC NO: 9.142/2016



Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1GN S (aerial amplifier)	TAC NO: 9.100169/2019
Continental Automotive	CMKG1 (locking system)	TAC NO: 9.100175/2019
Continental Automotive	CMKG2 (locking system)	TAC NO: 9.153/2023
Continental Automotive	MARS Keyless (locking system)	TAC NO: 9.213/2017
Continental Automotive	D-WMI2020A (control unit)	TAC NO: 9.9836/2019



Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	TAC NO: 9.409/2017
Hirschmann	920287A (locking system)	TAC NO: 9.845/2013
Hirschmann	920287B (locking system)	TAC NO: 9.846/2013
Hirschmann	920702A (locking system)	TAC NO: 9.412/2022
HUF Baolong	TSSRE4A (tyre pressure sensor)	TAC NO: 9.620/2017



Manufacturer	Model designation	Radio equipment approval number
HUF Baolong	TSSSRG4G6B (tyre pressure monitor control unit)	TAC NO: 9.9345/2019
HUF	HUF14632 (locking system)	TAC NO: 9.598/2015
HUF	HUF4761 (locking system)	TAC NO: 9.790/2013
LEOPOLD KOSTAL	KK1 (locking system)	TAC NO: 9.118/2016
MARQUARDT	DC12A (locking system)	TAC NO: 9.131/2017



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	TAC NO: 9.829/2013
MARQUARDT	DC12K (locking system)	TAC NO: 9.830/2013
MARQUARDT	MS2 (locking system)	TAC NO: 9.133/2017
MARQUARDT	MS4 (locking system)	TAC NO: 9.100171/2019
MARQUARDT	MS5 (locking system)	TAC.NO: 9.322/2024
MARQUARDT	MK1 (locking system)	TAC NO: 9.486/2015




Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK2 (locking system)	TAC NO: 9.497/2015
MARQUARDT	MK3 (locking system)	TAC NO: 9.1175/2023
MARQUARDT	MU3 (locking system)	TAC NO: 9.1168/2023
MARQUARDT	MUB1 (locking system)	TAC NO: 9.269/2024
Schrader	AG3PF4 (tyre pressure sensor)	TAC NO: 9.039/2016



Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	TAC NO: 9.9167/2019
Schrader	BG3FP4 (tyre pressure sensor)	TAC NO: 9.68/2021
Schrader	GG4T (tyre pressure sensor)	TAC NO: 9.538/2017
Schrader	DG6W2D4 (tyre pressure sensor)	TAC NO: 9.789/2018








Manufacturer	Model designation	Radio equipment approval number
Veoneer	77GHz MMRV1 (radar sensor)	TAC NO: 9.9284/2019
Veoneer	77V12BSM (radar sensor)	TAC NO: 9.9391/2019
Veoneer	77V12CRN (radar sensor)	TAC NO: 9.9391/2019
Veoneer	77V125CRN (radar sensor)	TAC NO: 9.477/2021




		
Manufacturer	Model designation	Radio equipment approval number
WITTE-Velbert	SDHTAG3NFC (locking system)	TAC NO: 9.527/2020
Vitesco	HFA30 (Handsfree-Access)	TAC NO: 9.1058/2023



Paraguay




Regulatory radio identifiers




Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	 2019-05-I-0271
ADC	ARS6-A (radar sensor)	 2022-08-I-0513



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-C (radar sensor)	 2019-11-I-0602
ADC	ARS4-C (radar sensor)	 2019-11-I-0602
Bosch	FR5CPCCF (radar sensor)	 2019-09-I-0508



Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR14FCR (radar sensor)	 2017-06-I-0000162
Bosch	MRR1Rear (radar sensor)	 2019-05-I-000236
Bosch	F5CP12 (radar sensor)	 2022-05-I-0329




Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE213E1 (aerial amplifier)	 2021-02-I-00101 y 2016-02-I-0000038
Continental Antenna	RKE223E1GN S (aerial amplifier)	 2019-12-I-0656



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	 2020-02-I-0110
Continental Automotive	CMKG2 (locking system)	 2023-03-I-0153
Continental Automotive	MARS Keyless (locking system)	 2017-05-I-0000136



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	D-WMI2016A	 2019-03-I-0170
Continental Automotive	D-WMI2017A	 2019-03-I-000171
Continental Automotive	D-WMI2017B	 2019-03-I-000172



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	D-WMI2020A	 2019-11-I-0600
HELLA	DM4 (locking system)	 2022-06-I-0388 y 2017-08-I-0000261




Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	 2016-5-I-000134 y 2011-06-I-0059
Hirschmann	920287B (locking system)	 2017-04-I-0000119 y 2012-05-I-0096



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	 2022-03-I-0149
Huf Baolong	TSSRE4A (tyre pressure sensor)	 2022-08-I-0528
HUF	HUF13145 (locking system)	 2022-04-I-0235



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	 2020-06-I-0284 y 2015-08-I-0000226
HUF	HUF4761 (locking system)	 2017-12-I-0000409 y 2012-10-I-0178



Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	 2015-06-I-0000181
MARQUARDT	DC12A (locking system)	 2020-12-I-0898 y 2015-06-I-0000181




Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	 2021-05-I-0304; 2016-5-I-000144 y 2011-06-I-0067
MARQUARDT	DC12K (locking system)	 2021-05-I-0305; 2016-5-I-000143 y 2011-06-I-0068




Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	 2017-04-I-0000101
MARQUARDT	MS4 (locking system)	 2019-10-I-0581
MARQUARDT	MS5 (locking system)	 2020-08-I-0604




Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	 2020-07-I-0390 y 2015-07-I-0000200
MARQUARDT	MK2 (locking system)	 2020-07-I-0391 y 2015-07-I-0000201



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK3 (locking system)	 2024-03-I-0256
MARQUARDT	MU3 (locking system)	 2023-08-I-0590

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	 2024-02-I-0190 y 2019-04-I-000216
Schrader	AG5SP4 (tyre pressure sensor)	 2015-04-I-0000150

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG3PF4 (tyre pressure sensor)	 2019-05-1-000261
Schrader	BG3FP4 (tyre pressure sensor)	 2021-02-I-0063
Schrader	GG4T (tyre pressure sensor)	 2020-02-1-0044

Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	 2019-11-1-0632
Veoneer	77GHz MMRV1 (radar sensor)	 2020-07-I-0510
Veoneer	77V12BSM (radar sensor)	 2019-07-I-0399

Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12CRN (radar sensor)	 2019-07-I-0398
Veoneer	77V125CRN (radar sensor)	 2021-04-I-0188
Vitesco	HFA30 (Handsfree-Access)	 2023-11-I-0808

Manufacturer	Model designation	Radio equipment approval number
Valeo	ARTEMIS-SUB-01 (radar sensor)	 2024-01-I-0074
WITTE-Velbert	SDHTAG3NFC (locking system)	 2020-06-I-0326

Further specific information

Charging unit for the wireless charging of mobile devices (WMI):

D-WMI2020A:

This vehicle is equipped with the following radio frequency component approved by CONATEL – Paraguay: Wireless interface for mobile devices,

Continental brand, model D-WMI2020A, manufactured by Continental Automotive GmbH.

Radio equipment approval number: 2019-11-I-0600

Rear Seat Entertainment System:

DAIRSE:

Importer: Condor S.A.C.I Casa Central, J.B. Gorostiaga 315 y Guaraníes, Asunción, Paraguay, (595 21) 569 7000, sac@condor.com.py

Philippines

Regulatory radio identifiers



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	ESD-1409466 C
ADC	ARS4-C (radar sensor)	ESD-1920226 C
Bosch	FR5CPCCF (radar sensor)	ESD-1920531 C
Bosch	MRR1Rear (radar sensor)	ESD-1408917 C
Bosch	MRR14FCR (radar sensor)	ESD-1716172 C



Manufacturer	Model designation	Radio equipment approval number
Bosch	F5CP12 (radar sensor)	ESD-RCE-2229495
Continental Antenna	RKE213E1 (aerial amplifier)	ESD-1511856 C
Continental Antenna	RKE223E1GN S (aerial amplifier)	ESD-1921015 C
Continental Automotive	CMKG1 (locking system)	ESD-2021556 C
Continental Automotive	CMKG2 (locking system)	ESD-RCE-2332806



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	MARS Keyless (locking system)	ESD-1714865 C
HELLA	DM4 (locking system)	ESD-1715539 C
Hirschmann	920287A (locking system)	ESD-1105246 C
Hirschmann	920287B (locking system)	ESD-1206044 C
Hirschmann	920702A (locking system)	ESD-RCE-2229632



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure sensor)	ESD-1715393 C
HUF	HUF13145 (locking system)	ESD-RCE-2229722
HUF	HUF14632 (locking system)	ESD-1511236 C
HUF	HUF4761 (locking system)	ESD-1206521 C
LEOPOLD KOSTAL	KK1 (locking system)	ESD-1510698 C



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking system)	ESD-1714489 C
MARQUARDT	DC12B (locking system)	ESD-1105216 C
MARQUARDT	DC12K (locking system)	ESD-1105215 C
MARQUARDT	MS2 (locking system)	ESD-1715652 C
MARQUARDT	MS4 (locking system)	ESD-1919133 C
MARQUARDT	MS5 (locking system)	ESD-2022426 C



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	ESD-1510644 C
MARQUARDT	MK2 (locking system)	ESD-1510645 C
MARQUARDT	MK3 (locking system)	ESD-REC-2436842
MARQUARDT	MU3 (locking system)	ESD-REC-2436843
MARQUARDT	3350.38 (locking system)	ESD-1919198 C
MARQUARDT	MUB1 (locking system)	ESD-REC-2436916



Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	ESD-1715393 C
Schrader	AG3PF4 (tyre pressure sensor)	ESD-1919585 C
Schrader	BG3FP4 (tyre pressure sensor)	ESD-RCE-2124846
Schrader	GG4T (tyre pressure sensor)	ESD-1715977 C



Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	ESD-1817081 C
Veoneer	77GHz MMRV1 (radar sensor)	ESD-1510921 C
Vitesco	HFA30 (Handsfree-Access)	ESD-RCE-2335375



Manufacturer	Model designation	Radio equipment approval number
Valeo	ARTEMIS-SUB-01 (radar sensor)	ESD-RCE-2436285
WITTE-Velbert	SDHTAG3NFC (locking system)	ESD-2022599 C

Zambia

Regulatory radio identifiers



Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	ZMB/ZICTA/TA/2019/3/11
Continental Automotive	MARS Keyless (locking system)	ZMB/ZICTA/TA/2019/3/3
HELLA	DM4 (locking system)	ZMB/ZICTA/TA/2019/3/4
Hirschmann	920287A (locking system)	ZMB/ZICTA/TA/2019/7/12



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	ZMB/ZICTA/TA/2019/7/11
HUF	HUF4761 (locking system)	ZMB/ZICTA/TA/2018/12/18
LEOPOLD KOSTAL	KK1 (locking system)	ZMB/ZICTA/TA/2019/3/48
MARQUARDT	DC12A (locking system)	ZMB/ZICTA/TA/2019/5/16



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	ZMB/ ZICTA/TA/ 2019/5/17
MARQUARDT	DC12K (locking system)	ZMB/ ZICTA/TA/ 2019/5/18
MARQUARDT	MS2 (locking system)	ZMB/ ZICTA/TA/ 2018/9/30
MARQUARDT	MS4 (locking system)	ZMB/ ZICTA/TA/ 2019/7/123



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	ZMB/ ZICTA/TA/ 2019/3/20
MARQUARDT	MK2 (locking system)	ZMB/ ZICTA/TA/ 2019/3/21
MARQUARDT	3350.38 (locking system)	ZMB/ ZICTA/TA/ 2019/3/6



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU1 (locking system)	ZMB/ ZICTA/TA/ 2019/7/124
Valeo	ARTEMIS-SUB-01 (radar sensor)	ZMB/ ZICTA/TA/ 2024/1/08

Senegal

AGREE PAR ARTP SENEGAL

Numéro d'agrément : XXXXXX/AG/ER


Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	072504/AG/ER
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	072486/AG/ER

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	072487/AG/ER
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	072488/AG/ER
Continental Automotive Technologies	NTG7Q PRE-MIUMPLUS LF2 (head unit)	072689/AG/ER
MARQUARDT	MK3 (locking system)	072784/AG/ER
MARQUARDT	MU3 (locking system)	072676/AG/ER
Valeo	ARTEMIS-SUB-01 (radar sensor)	072776/AG/ER

Serbia

Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	I011 20
ADC	ARS6-A (radar sensor)	I038 22
ADC	ARS4-C (radar sensor)	I011 19
Bosch	FR5CPCCF (radar sensor)	I011 19
Bosch	LRR3 (radar sensor)	I011 19



Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	U011 17
Bosch	MRRe14FCR (radar sensor)	U005 17
Continental Antenna	RKE213E1 (aerial amplifier)	U005 21
Continental Antenna	RKE223E1GN S (aerial amplifier)	U005 22
Continental Automotive	CMKG1 (locking system)	U005 20



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	U005 23
Continental Automotive	MARS Keyless (locking system)	U005 20
Continental Automotive	NTG7 MID	U005 23
Continental Automotive	NTG7 HIGH	U005 23
Continental Automotive	NTG7 PRE-MIUM	U005 23
Continental Automotive	NTG7 PRE-MIUM PLUS	U005 23



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	U005 23
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	U005 23
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	U005 23
HELLA	DM4 (locking system)	U005 20
Hirschmann	920287A (locking system)	U005 18



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	I005 18
Hirschmann	920702A (locking system)	I005 22
Huf Baolong	TSSRE4A (tyre pressure sensor)	I005 20
HUF	HUF13145 (locking system)	I005 22



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	I005 21
HUF	HUF4761 (locking system)	I005 21
LEOPOLD KOSTAL	KK1 (locking system)	I005 18
MARQUARDT	DC12A (locking system)	I005 20
MARQUARDT	DC12B (locking system)	I005 20



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12K (locking system)	I005 20
MARQUARDT	MS2 (locking system)	I011 17
MARQUARDT	MS4 (locking system)	I005 19
MARQUARDT	MS5 (locking system)	I005 24
MARQUARDT	MK1 (locking system)	I005 21
MARQUARDT	MK2 (locking system)	I005 21



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK3 (locking system)	I005 24
MARQUARDT	MU3 (locking system)	I005 23
MARQUARDT	3350.38 (locking system)	I005 22
MARQUARDT	MUB1 (locking system)	I005 24
Meta System	MUW II (interior protection)	I011 19



Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	I005 15
Schrader	AG3PF4 (tyre pressure sensor)	I005 15
Schrader	BG3FP4 (tyre pressure sensor)	I005 20
Schrader	GG4T (tyre pressure sensor)	I005 17



Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	I005 18
Schrader	MC34MA4 (tyre pressure monitor control unit)	I011 11
Valeo	ARTEMIS-SUB-01 (radar sensor)	I011 18
Veoneer	77GHz MMRV1 (radar sensor)	I005 24



Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12BSM (radar sensor)	U011 19
Veoneer	77V12CRN (radar sensor)	U011 19
Veoneer	77V125CRN (radar sensor)	U038 21
Vitesco	HFA30 (Handsfree-Access)	U011
WITTE-Velbert	SDHTAG3NFC (locking system)	U005 20

Singapore

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
		Complies with IMDA Standards
ADC	ARS4-A (radar sensor)	DA103365
ADC	ARS6-A (radar sensor)	DA103365
ADC	ARS4-C (radar sensor)	DA103365
Bosch	FR5CPCCF (radar sensor)	DA103365
Bosch	LRR3 (radar sensor)	DA103365

Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	DA103365
Bosch	MRR14FCR (radar sensor)	DA103365
Bosch	F5CP12 (radar sensor)	N3827-22
Continental Antenna	RKE213E1 (aerial amplifier)	DA105282
Continental Antenna	RKE223E1GN S (aerial amplifier)	DA107248
Continental Automotive	CMKG1 (locking system)	DA103365
Continental Automotive	CMKG2 (locking system)	DB106440

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	MARS Keyless (locking system)	DA105282
Continental Automotive	UWBTRX1 (locking system)	DB107091
Continental Automotive	D-WMI2020A (control unit)	DA103365
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	DA105282
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	DA105282
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	DA105282

Manufacturer	Model designation	Radio equipment approval number
Harman Becker	HERMES 3.0 (communication module)	DB107091
HELLA	DM4 (locking system)	DA103365 N3308-22
Hirschmann	920287A (locking system)	DA103365
Hirschmann	920287B (locking system)	DA103365
Hirschmann	920702A (locking system)	DA105282
HUF	HUF13145 (locking system)	N2197-22

Manufacturer	Model designation	Radio equipment approval number
HUF Baolong	TSSRE4A (tyre pressure sensor)	DA30668
HUF Baolong	TSSSG4G6b (tyre pressure sensor)	DA28467
HUF	HUF14632 (locking system)	DA105282
HUF	HUF4761 (locking system)	DA103365
LEOPOLD KOSTAL	KK1 (locking system)	DA103365
MARQUARDT	DC12A (locking system)	DA103787

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	DA103365
MARQUARDT	DC12K (locking system)	DA103365
MARQUARDT	MS2 (locking system)	DA103787
MARQUARDT	MS4 (locking system)	DA103787
MARQUARDT	MS5 (locking system)	DB107091
MARQUARDT	MK1 (locking system)	DA103365
MARQUARDT	MK2 (locking system)	DA103365
MARQUARDT	MK3 (locking system)	DA103787


Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	DA103787
MARQUARDT	3350.38 (locking system)	DB107091
Meta System	ITS/TPS (interior protection)	DA103365
Meta System	MUW II (interior protection)	DA103365
Schrader	AG5SP4 (tyre pressure sensor)	DA103787
Schrader	AG3PF4 (tyre pressure sensor)	DA107968


Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	DA103365
Schrader	GG4T (tyre pressure sensor)	DA105282
Schrader	DG6W2D4 (tyre pressure sensor)	DA105282
Veoneer	77GHz MMRV1 (radar sensor)	DA103365
Veoneer	77V12BSM (radar sensor)	DA103365
Veoneer	77V12CRN (radar sensor)	DA103365

Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V125CRN (radar sensor)	DA103365
Visteo	HFA30 (Handsfree-Access)	N4949-23
WITTE-Velbert	SDHTAG3NFC (locking system)	DA107248

South Africa

Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TA-2014/1637
ADC	ARS6-A (radar sensor)	TA-2022/1837
ADC	ARS4-C (radar sensor)	TA-2019/1595
Bosch	FR5CPCCF (radar sensor)	TA-2019/1200
Bosch	MRR1Rear (radar sensor)	TA-2014/212

		
Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR14FCR (radar sensor)	TA-2017/2013
Bosch	LRR3 (radar sensor)	TA-2009/464
Bosch	F5CP12 (radar sensor)	TA-2022/0153
Continental Antenna	RKE213E1 (aerial amplifier)	TA-2015/1438
Continental Antenna	RKE223E1 (aerial amplifier)	TA-2020/043



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	TA-2019/5405
Continental Automotive	CMKG2 (locking system)	TA-2022/3611_CMKG2
Continental Automotive	MARS Keyless (locking system)	TA-2016/3500
Continental Automotive	UWBTRX1 (locking system)	TA-2021/3460
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	TA-2023/0091



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	TA-2023/0111
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	TA-2023/0090
Gentex	MUAHL 5 (convenience system)	TA-2015/1386
HELLA	DM4 (locking system)	TA-2017/2518
Hirschmann	920287A (locking system)	TA-2011/374



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	TA-2013/1262
Hirschmann	920702A (locking system)	TA-2022/0162
Huf Baolong	TSSRE4A (tyre pressure sensor)	TA-2017/1393
Huf Baolong	TSSSG4G6b (tyre pressure sensor)	TA-2019/1440



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	TA-2022/0375
HUF	HUF14632 (locking system)	TA-2015/1077
HUF	HUF4761 (locking system)	TA-2012/1543
LEOPOLD KOSTAL	KK1 (locking system)	TA-2015/595
Meta System	ITS Master (interior protection)	TA-2011/1636



Manufacturer	Model designation	Radio equipment approval number
Meta System	ITS Sensor (interior protection)	TA-2011/1227
Meta System	MUW II (interior protection)	TA-2019/261
MARQUARDT	DC12A (locking system)	TA-2017/312
MARQUARDT	DC12B (locking system)	TA-2011/370
MARQUARDT	DC12K (locking system)	TA-2012/1542



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking system)	TA-2016/3314
MARQUARDT	MS4 (locking system)	TA-2019/843
MARQUARDT	MS5 (locking system)	TA-2020/5765
MARQUARDT	MK1 (locking system)	TA-2015/179
MARQUARDT	MK2 (locking system)	TA-2015/180
MARQUARDT	MU3 (locking system)	TA-2023/1835



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	TA-2018/3985
Schrader	AG5SP4 (tyre pressure sensor)	TA-2015/072
Schrader	AG3PF4 (tyre pressure sensor)	TA-2019-133
Schrader	BG3FP4 (tyre pressure sensor)	TA-2020/7731



Manufacturer	Model designation	Radio equipment approval number
Schrader	MFR (tyre pressure monitor control unit)	TA-2019/273
Schrader	MFR3 (tyre pressure monitor control unit)	TA-2019-273
Schrader	GG4T (tyre pressure sensor)	TA-2017/3884
Schrader	DG6W2D4 (tyre pressure sensor)	TA-2017/2933



Manufacturer	Model designation	Radio equipment approval number
Schrader	MC34MA4 (tyre pressure monitor control unit)	TA-2011/1370
Veoneer	77GHz MMRV1 (radar sensor)	TA-2015/2087
Veoneer	77V12BSM (radar sensor)	TA-2019/1380
Veoneer	77V12CRN (radar sensor)	TA-2019/1382
Veoneer	77V125CRN (radar sensor)	TA-2021/0150



Manufacturer	Model designation	Radio equipment approval number
Visteo	HFA30 (Handsfree-Access)	TA-2023/2469
WITTE-Velbert	SDHTAG3NFC (locking system)	TA-2020/055

South Korea


Regulatory radio identifiers




Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	R-C-Ca3-RKE223E1
Continental Automotive	CMKG2 (locking system)	R-R-TeH-CMKG2
Continental Automotive Technologies	NTG7Q LF2 (head unit)	R-R-TeH-NTG7QLF2
Huf Baolong	TSSRE4A (tyre pressure sensor)	R-CRM-HHFTSSRE4A




Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6 (tyre pressure monitor control unit)	R-REM-HHFTSSSG4G6
HUF	HUF14632 (locking system)	MSIP-CRM-HHF-HUF-14632
Schrader	MFR (tyre pressure monitor control unit)	MSIP-REM-SRD-MFR
Schrader	MFR3 (tyre pressure monitor control unit)	KCC R-R-SRD-MFR3A

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	MC34MA4 (tyre pressure monitor control unit)	KCC-REM-SRD-MRXMC34MA4
Schrader	AG5SP4 (tyre pressure sensor)	MSIP-CRM-SRD-AG5SP4
Schrader	AG3PF4 (tyre pressure sensor)	R-C-SRD-AG3PF4
Schrader	BG3FP4 (tyre pressure sensor)	R-C-SRD-BG3FP4

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	MSIP-CRM-SRD-GG4T
Schrader	DG6W2D4 (tyre pressure sensor)	R-CRM-SRD-DG6W2D4
Visteo	HFA30 (Handsfree-Access)	R-R-vT2-HFA30

Thailand

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	130111-23-0132 

Togo

Regulatory radio identifiers


Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	No. 024/19
Continental Automotive	MARS Keyless (locking system)	No. 040/19
HELLA	DM4 (locking system)	No. 039/19
Hirschmann	920287A (locking system)	No. 089/19
Hirschmann	920287B (locking system)	No. 088/19


Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	No. 041/19
LEOPOLD KOSTAL	KK1 (locking system)	No. 060/19
MARQUARDT	DC12A (locking system)	No. 055/19
MARQUARDT	DC12B (locking system)	No. 057/19
MARQUARDT	DC12K (locking system)	No. 056/19
MARQUARDT	MS2 (locking system)	No. 008/19
MARQUARDT	MS4 (locking system)	No. 101/19


Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	No. 021/19
MARQUARDT	MK2 (locking system)	No. 022/19
MARQUARDT	3350.38 (locking system)	No. 016/20

Ukraine

Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	UA RF: 1CONT0004
ADC	ARS6-A (radar sensor)	UA RF: 1CONT0013
Continental Antenna	RKE213E1 (aerial amplifier)	UKR.355-123 /19
Continental Antenna	RKE223E1GN S (aerial amplifier)	UA.R.TR.052. 682-19

		
Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG1 (locking system)	UA1.001.021 175-20-TE
Continental Automotive	CMKG2 (locking system)	UA.032.CT.01 05-23
Continental Automotive	MARS Keyless (locking system)	RTS.UKR.355-34/18
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	UA.TR.052
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	UA.TR.052

		
Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	UA.TR.052
HELLA	DM4 (locking system)	UA.TR.109
Hirschmann	920287A (locking system)	UKR.355-7/2 0
Hirschmann	920287B (locking system)	UKR.355-8/2 0
Huf Baolong	TSSRE4A (tyre pressure sensor)	UA 1.001.01856 8-19-TE



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	UA 1.001.01928 9-19-TE
HUF	HUF13145 (locking system)	UKR.355-113 /19
HUF	HUF14632 (locking system)	UKR.355-113 /19
HUF	HUF4761 (locking system)	UA1.001.018 653-19-TE



Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	10094.00668 2-19
MARQUARDT	DC12A (locking system)	UA.R.TR.052. 307-19
MARQUARDT	DC12B (locking system)	UA.R.TR.052. 308-19
MARQUARDT	DC12K (locking system)	UA.R.TR.052. 309-19
MARQUARDT	MS2 (locking system)	UA1.001.019 129-19-TE
MARQUARDT	MS4 (locking system)	UA.R.TR.052. 528-19



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS5 (locking system)	632.16-CET
MARQUARDT	MK1 (locking system)	UA1.001.019 233-19-TE
MARQUARDT	MK2 (locking system)	UA1.001.019 234-19-TE
MARQUARDT	MK3 (locking system)	UA.TR.001.03 55.30.01316-23
MARQUARDT	MU3 (locking system)	UA.TR.001.03 55.30.01276-23



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	UA1.001.018 888-19-TE
Schrader	AG5SP4 (tyre pressure sensor)	UA.TR. 032
Schrader	AG3PF4 (tyre pressure sensor)	UA-TR-001
Schrader	BG3FP4 (tyre pressure sensor)	UA-TR-109



Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	UA.TR. 028
Schrader	DG6W2D4 (tyre pressure sensor)	UA.TR. 028
WITTE-Velbert	SDHTAG3NFC (locking system)	UA.R.TR.052. 120-20

Uzbekistan

Regulatory radio identifiers



Manufacturer	Model designation
Continental Automotive	RKE213E1 (aerial amplifier)
Continental Automotive	RKE223E1GNS (aerial amplifier)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)
HELLA	DM4 (locking system)



Manufacturer	Model designation
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
HUF	HUF13145 (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12A (locking system)
MARQUARDT	DC12B (locking system)



Manufacturer	Model designation
MARQUARDT	DC12K (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MS7 (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	3350.38 (locking system)







Manufacturer	Model designation
MARQUARDT	MUB1 (locking system)
Visteo	HFA30 (Handsfree-Access)
Valeo	ARTEMIS-SUB-01 (locking system)
WITTE-Velbert	SDHTAG3NFC (locking system)


United Arab Emirates






Regulatory radio identifiers


Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TA RTTE: Er558296/17 , DA40068/15 
ADC	ARS4-C (radar sensor)	TA RTTE: ER77062/19, DA40068/15 

Manufacturer	Model designation	Radio equipment approval number
Bosch	FR5CPCCF (radar sensor)	TA RTTE: ER74533/19, DA36758/14 
Bosch	NRCS2P (radar sensor)	TA RTTE: ER88778/20, DA36758/14 
Continental Antenna	RKE213E1 (aerial amplifier)	TRA ER64693/18, DA65993/17


Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1GN S (aerial amplifier)	TRA ER76442/19, DA65993/17
Continental Automotive	CMKG1 (locking system)	TRA ER77964/20, DA0018994/09
Continental Automotive	CMKG2 (locking system)	TRA ER17713/23, DA36975/14 
Continental Automotive	MARS Keyless (locking system)	TRA ER56005/17, DA44932/15

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	UWBTRX1 (locking system)	TRA ER11321/22, DA36975/14
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	TDRA ER17731/23, DA76163/18 
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	TDRA ER17730/23, DA76163/18 

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	TDRA ER17732/23, DA76163/18 
Gentex	MUAHL 5 (convenience system)	TRA ER41849/15, DA35176/14

Manufacturer	Model designation	Radio equipment approval number
Harman Becker	HERMES 3.0 (communication module)	TRA ER03601/21, DA0028019/10 
HELLA	DM4 (locking system)	TRA ER56616/17, DA44932/15
Hirschmann	920287A (locking system)	TRA ER52213/17, DA35219/14
Hirschmann	920287B (locking system)	TRA ER42011/15, DA35219/14

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	TRA ER10723/22, DA35219/14
Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA ER57806/17, DA36976/14
Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	TRA ER7307/19, DA0086237/12
HUF	HUF13145 (locking system)	TRA ER08607/22, DA36976/14 

Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	TRA ER63716/18, DA36976/14
HUF	HUF4761 (locking system)	TRA ER55496/17, DA36976/14
HUF	HUF13145 (locking system)	TRA ER08607/22 DA36976/14 
LEOPOLD KOSTAL	KK1 (locking system)	TRA ER62622/18, DA0105247/13



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking system)	TRA ER53465/17, DA0018994/ 09
MARQUARDT	DC12B (locking system)	TRA ER0067828/ 11, DA0018994/ 09
MARQUARDT	DC12K (locking system)	TRA ER0067829/ 11, DA0018994/ 09
MARQUARDT	MS2 (locking system)	TRA ER52668/17, DA0018994/ 09



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS4 (locking system)	TRA ER71616/19, DA0018994/ 09
MARQUARDT	MS5 (locking system)	TRA ER80720/20, DA0018994/ 09
MARQUARDT	MS7 (locking system)	TRA ER29729/24, DA0018994/ 09
MARQUARDT	MK1 (locking system)	TRA ER64145/18, DA0018994/ 09

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK2 (locking system)	TRA ER64146/18, DA0018994/ 09
MARQUARDT	MK3 (locking system)	TRA ER26811/23, DA0018994/ 09
MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/ 09
MARQUARDT	MUB1 (locking system)	TRA ER29344/24, DA0018994/ 09

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/09
Schrader	AG5SP4 (tyre pressure sensor)	TRA ER37156/15, DA0047074/10
Schrader	AG3PF4 (tyre pressure sensor)	TRA ER70533/19, DA0047074/10
Schrader	BG3FP4 (tyre pressure sensor)	TRA ER96175/21, DA0047074/10

Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	TRA ER57985/17, DA0047074/10
Schrader	DG6W2D4 (tyre pressure sensor)	TRA ER960528/18, DA0047074/10
Schrader	MC34MA4 (tyre pressure monitor control unit)	TRA ER37066/15, DA0047074/10
Sennheiser	M3IETW2L (Earbud)	ER78231/20
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	ER64728/18

Manufacturer	Model designation	Radio equipment approval number
Veoneer	77GHz MMRV1 (radar sensor)	TA RTTE: ER96352/21; 0020858/10 
Veoneer	77V12BSM (radar sensor)	TA RTTE: ER72324/19; 0020858/10 

Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12CRN (radar sensor)	TA RTTE: ER72323/19; 0020858/10 
Veoneer	77V125CRN (radar sensor)	TA RTTE: ER95775/21; 0020858/10 

Manufacturer	Model designation	Radio equipment approval number
Visteo	HFA30 (Handsfree-Access)	TRA ER25428/23
WITTE-Velbert	SDHTAG3NFC (locking system)	TRA ER79695/20, DA0018994/09

United Kingdom

Regulatory radio identifiers



Manufacturer	Model designation
ADC	ARS4-A (radar sensor)
Continental Antenna	RKE213E1 (aerial amplifier)
Continental Antenna	RKE223E1 GNS (aerial amplifier)
Continental Automotive	CMKG1 (locking system)
Continental Automotive	CMKG2 (locking system)
Continental Automotive	MARS Keyless (locking system)



Manufacturer	Model designation
Continental Automotive	UWBTRX1 (locking system)
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)
HUF	HUF13145 (locking system)
Huf Baolong	TSSRE4A (tyre pressure sensor)
HELLA	DM4 (locking system)



Manufacturer	Model designation
Hirschmann	920287A (locking system)
Hirschmann	920287B (locking system)
Hirschmann	920702A (locking system)
LEOPOLD KOSTAL	KK1 (locking system)
MARQUARDT	DC12B (locking system)
MARQUARDT	DC12K (locking system)
MARQUARDT	MK1 (locking system)
MARQUARDT	MK2 (locking system)



Manufacturer	Model designation
MARQUARDT	MK3 (locking system)
MARQUARDT	MU3 (locking system)
MARQUARDT	MS2 (locking system)
MARQUARDT	MS4 (locking system)
MARQUARDT	MS5 (locking system)
MARQUARDT	MS7 (locking system)
MARQUARDT	3350.38 (locking system)
MARQUARDT	MUB1 (locking system)
Schrader	AG5SP4 (tyre pressure sensor)



Manufacturer	Model designation
Schrader	AG3PF4 (tyre pressure sensor)
Schrader	BG3FP4 (tyre pressure sensor)
Schrader	GG4T (tyre pressure sensor)
Schrader	DG6W2D4 (tyre pressure sensor)
Visteo	HFA30 (Handsfree-Access)
WITTE-Velbert	SDHTAG3NFC (locking system)

Further specific information

Charging unit for the wireless charging of mobile devices (WMI):

D-WMI2016A, D-WMI2017A, D-WMI2017B:

Restrictions or Requirements in the UK: A separation distance of at least 10 cm between all persons and the device must be provided at all times. The Device must not be co-located or operating in conjunction with any other antenna or transmitter.

D-WMI2020A:

Restrictions or Requirements in the UK: A separation distance of at least 0 cm between all persons and the device must be provided at all times. The Device must not be co-located or operating in conjunction with any other antenna or transmitter.

United States

Regulatory radio identifiers

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	FCC ID: KR5CMKG2
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	FCC ID: NTG7QMIDLF2
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	FCC ID: NTG7QHIGLF2
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	FCC ID: NTG7QPRELF2
HUF	HUF13145 (locking system)	FCC ID: YGO-HUF13145

Manufacturer	Model designation	Radio equipment approval number
Sennheiser	M3IETW2R (Earbud)	FCC ID: DMOM3IETW 2R
Sennheiser	M3IETW2L (Earbud)	FCC ID: DMOM3IETW 2L
Sennheiser	BTT100 (Bluetooth Audio Transmitter)	FCC ID: DMOBTT100
Visteo	HFA30 (Handsfree-Access)	FCC ID: 2A6TC-HFA30
WITTE-Velbert	SDHTAG3NFC (locking system)	FCC ID: DMOBTT100

Information on installation clearances

Charging unit for the wireless charging of mobile devices (WMI):

The charging unit for wireless charging of mobile devices (WMI) complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0 cm (in contact) between the source of radiation and your body. This transmitter must not be placed in the same location as or used at the same time as another transmitter or antenna.

Rear Seat Entertainment System:

USA: "This device complies with part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device must not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation."

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed and used at a distance of at least 6 cm from the body."

Canada: "This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device must not cause interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device."

This equipment complies with ISED radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 5 cm between the radiation source and your body."

Radar sensors:

ARS4-C (ADC), ARS4-B (ADC), ARS4-A (ADC), FR5CPCCF (Bosch), MRR1 REAR (Bosch), MRREVO14F (Bosch), LRR3 (Bosch), 77V12BSM (Veoneer), 77V12CRN (Veoneer), MMRV1 (Veoneer)

USA only: Information on exposure to high-frequency radiation:

This equipment complies with FCC radiation exposure limits established for an uncontrolled envi-

ronment. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

This transmitter must not be placed in the same location as or used at the same time as another antenna or transmitter.

Canada only: This equipment should be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

BT Audio Transmitter (BTT100):

This equipment complies with FCC and IC radiation exposure limits established for an uncontrolled environment. This equipment must be installed and operated with a minimum distance of 9 cm between the radiation source and your body.

This transmitter must not be placed in the same location as or used at the same time as another antenna or transmitter.

Infotainment system head unit (NTG7Q):


For USA only: This equipment complies with FCC and ISED radiation exposure limits established for an uncontrolled environment, the FCC guidelines for RF exposure and RSS standard 102 of the

ISED guidelines for RF exposure. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

For Canada only: This equipment complies with FCC and ISED radiation exposure limits established for an uncontrolled environment, the FCC guidelines for RF exposure and RSS standard 102 of the ISED guidelines for RF exposure. This equipment must be installed and operated with a minimum distance of 20 cm between the radiation source and your body.

Vietnam

Regulatory radio identifiers

		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	SUNTECH VN C00082015
ADC	ARS6-A (radar sensor)	SUNTECH VN C00082015
ADC	ARS4-C (radar sensor)	SUNTECH VN C00082015
Bosch	FR5CPCCF (radar sensor)	SUNTECH VN C00082015



Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	SUNTECH VN C00082015
Bosch	MRR14FCR (radar sensor)	SUNTECH VN C00082015
Continental Antenna	RKE213E1 (aerial amplifier)	Suntech Vietnam Technology Company Limited C027415111 8AF04A2



Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1GN S (aerial amplifier)	Suntech Vietnam Technology Company Limited B152201112 1AF04A3
Continental Automotive	CMKG1 (locking system)	Suntech Vietnam Technology Company Limited C000107012 0AF04A2



Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	Mercedes-Benz Vietnam Company Limited C010406042 3AF04A3
Continental Automotive	MARS Keyless (locking system)	Mercedes-Benz Vietnam Company Limited B074824041 9AF04A2



Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	Mercedes-Benz Vietnam Company Limited CO20403032 1AF04A3
HELLA	RS6 (locking system)	SUNTECH VN C00082015
Hirschmann	920702A (locking system)	Mercedes-Benz Vietnam Company Limited B042407042 2AF04A3



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure sensor)	C011220071 7AF04A2
HUF	HUF13145 (tyre pressure sensor)	C107105092 2AF04A3
LEOPOLD KOSTAL	KK1 (locking system)	Mercedes-Benz Vietnam Company Limited C031314042 1AF0403



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking system)	Suntech Vietnam Technology Company Limited C020803032 1AF04A3
MARQUARDT	DC12B (locking system)	Suntech Vietnam Technology Company Limited C007621012 1AF04A3



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12K (locking system)	Suntech Vietnam Technology Company Limited C007721012 1AF04A3
MARQUARDT	MS2 (locking system)	Suntech Vietnam Technology Company Limited C007521012 1AF04A3



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS4 (locking system)	Suntech Vietnam Technology Company Limited C091311082 1AF04A3
MARQUARDT	MS5 (locking system)	Suntech Vietnam Technology Company Limited C014114052 0AF04A2



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	Suntech Vietnam Technology Company Limited C004915012 1AF04A3
MARQUARDT	MK2 (locking system)	Suntech Vietnam Technology Company Limited C005015012 1AF04A3



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C054720122 3AF04A3



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	Suntech Vietnam Technology Company Limited C013103022 1AF04A3
Schrader	AG5SP4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C000205011 9AF042A



Manufacturer	Model designation	Radio equipment approval number
Schrader	AG3PF4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C012022051 9AF04A2
Schrader	GG4T (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C017019101 7AF04A2



Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C007807051 8AF04A2
Veoneer	77GHz MMRV1 (radar sensor)	Mercedes-Benz Vietnam Company Limited
Veoneer	77V12BSM (radar sensor)	Mercedes-Benz Vietnam Company Limited



Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12CRN (radar sensor)	Mercedes-Benz Vietnam Company Limited
Veoneer	77V125CRN (radar sensor)	Mercedes-Benz Vietnam Company Limited
WITTE-Velbert	SDHTAG3NFC (locking system)	Mercedes-Benz Vietnam Company Limited A084713082 0AF04A3

Specific absorption rate (SAR)

Information about the specific absorption rate

The values have been determined and tested in accordance with the Décret n° 2019-1186 guideline regarding the indication of the specific absorption rate (SAR) of wireless vehicle components.

Further information and updates are available at the following web address:

<https://regulatoryradioinformation.corpinter.net/en>



Information about the specific absorption rate

Vehicle components	SAR value in W/kg	Applicable limit value
ECE DE003 & ECE DE004 compensators	< 0.2 W/kg	2 W/kg
DAI RSE	1.8 W/kg	2 W/kg
D-WMI2020A	0.018 W/kg	4 W/kg
HERMES communication module	< 0.4 W/kg	2 W/kg
RAMSES communication module	0.036 W/kg	2 W/kg
NRCS2P	0.003 W/kg	2 W/kg
NTG6	0.199 W/kg	4 W/kg
NTG7	0.08 W/kg	2 W/kg
NTG7RSU	0.07 W/kg	2 W/kg
Gen20x.i2 LS3+	2.2 W/kg	4 W/kg
Gen20x.i2 LS4+	2.5 W/kg	4 W/kg
SM-T230NZ tablet PC	0.7 W/kg	4 W/kg
Radio data transmission telephone system	0.24 W/kg	2 W/kg

Importer information for regulatory radio components

For Moldova only: Importer

S.C. GRAND PREMIUM S.R.L. Moldova
mun. Chisinau, str. Hîncesti sos., 2/2

For Turkey only: Importer

Mercedes Benz Otomotiv Ticaret ve Hizmetler
A.Ş. Genel Merkez
Akçaburgaz Mah. Süleyman Şah Cad. No: 6/1
34522 Esenyurt/İstanbul

For Ukraine only: Importer

PJSC "AUTOCAPITAL"
Velyka Vasylykivska str. 15/2
01004 Kyiv
Ukraine

For the United Kingdom only: Importer

Mercedes-Benz Cars UK Limited
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA
England

Importer of Mercedes-Benz vans

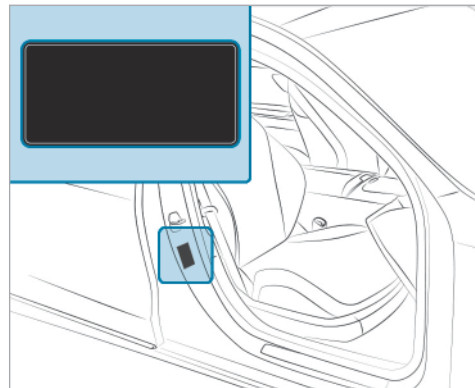
Mercedes-Benz Vans UK Limited
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA

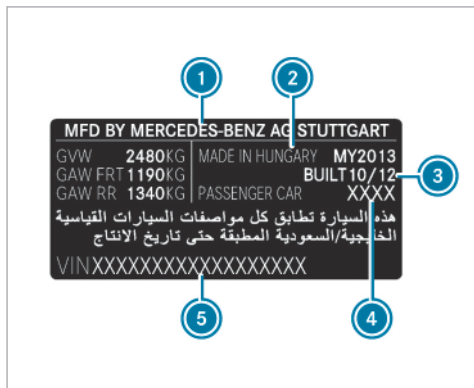
Importer of Mercedes-Benz spare parts

Mercedes-Benz Parts Logistics
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA
England

Vehicle identification plate / VIN / Electric motor number

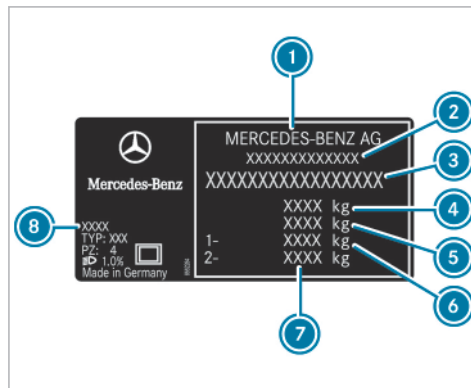
Vehicle identification plate





Vehicle identification plate (example: Kuwait)

- ① Vehicle manufacturer
- ② Place of manufacture
- ③ Manufacturing date
- ④ Vehicle model
- ⑤ VIN (vehicle identification number)

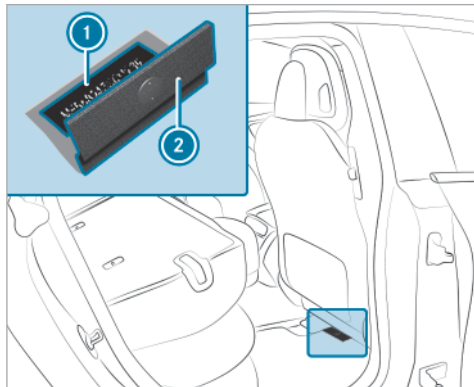


Vehicle identification plate (example: all other countries)

- ① Vehicle manufacturer
- ② EU operating permit number (for certain countries only)
- ③ VIN (vehicle identification number)
- ④ Permissible gross mass (kg)
- ⑤ Permissible gross mass of vehicle combination (kg) (for certain countries only)

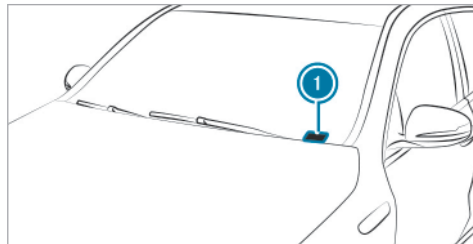
- ⑥ Maximum permissible front axle load (kg)
- ⑦ Maximum permissible rear axle load (kg)
- ⑧ Paint code
- i The data in the illustration is shown as an example.

VIN below the right front seat



- ① Laser-engraved VIN (vehicle identification number)
- ② Floor covering

VIN at the lower edge of the windscreen



- ① VIN (vehicle identification number) as a label

The VIN as a label at the lower edge of the windscreen is only available in certain countries.

Motor number

For more detailed information on the motor number, consult a qualified specialist workshop or a Mercedes-Benz service centre.

Operating fluids**Notes on operating fluids**

⚠ WARNING Risk of injury due to harmful operating fluids

Operating fluids can be toxic.

- ▶ When using, storing and disposing of operating fluids, observe the imprints on the respective original containers.
- ▶ Always keep operating fluids in the sealed original container.
- ▶ Always keep children away from operating fluids.

🌿 ENVIRONMENTAL NOTE Pollution of the environment due to irresponsible disposal of operating fluids

Incorrect disposal of operating fluids can cause considerable damage to the environment.

- ▶ Dispose of operating fluids in an environmentally responsible manner.

Operating fluids include the following:

- lubricants
- coolant
- brake fluid
- windscreen washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage to the vehicle caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

Operating fluids approved by Mercedes-Benz have the following labelling on the containers:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)

Further information on approved operating fluids can be obtained from the following sources:

- in the Mercedes-Benz Specifications for Operating Fluids in accordance with the details on the label

- at <https://operatingfluids.mercedes-benz.com>
- At a qualified specialist workshop

Brake fluid

Observe the notes on operating fluids (→ page 590).

⚠ WARNING Risk of an accident due to vapour pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard.

This impairs the braking effect.

▶ Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop.

Only use a brake fluid approved by Mercedes-Benz in accordance with MB-Freigabe or MB-Approval 331.0 .

Coolant

■ Notes on coolant

Observe the notes on operating fluids (→ page 590).

❗ NOTE Damage caused by incorrect coolant

▶ Only use coolant that has been premixed with the required antifreeze protection.

Information on coolant is available at the following locations:

- In the Mercedes-Benz Specification for Operating Fluids 320.1
- At <https://operatingfluids.mercedes-benz.com>
- At a qualified specialist workshop

! **NOTE** Overheating at high outside temperatures

If an inappropriate coolant is used, the cooling system is not sufficiently protected against overheating and corrosion at high outside temperatures.

- ▶ Only use coolant approved for Mercedes-Benz.
- ▶ Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 320.1.

Have the coolant regularly replaced at a qualified specialist workshop.

Proportion of antifreeze concentrate in the cooling system:

- A minimum of 50% (antifreeze protection down to about -37°C)
- A maximum of 55% (antifreeze protection down to -45°C)

Windscreen washer fluid

Observe the notes on operating fluids (→ page 590).

! **WARNING** Risk of fire and injury from windscreen washer concentrate

Windscreen washer concentrate is highly flammable. If it comes into contact with hot components, it may ignite.

- ▶ Make sure that windscreen washer concentrate is not spilled near to the filler opening.

! **NOTE** Damage to the exterior lighting due to unsuitable windscreen washer fluid

Unsuitable windscreen washer fluids may damage the plastic surface of the exterior lighting.

- ▶ Only use windscreen washer fluids which are also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

! **NOTE** Blocked spray nozzles caused by mixing windscreen washer fluids

- ▶ Do not mix MB SummerFit and MB WinterFit with other windscreen washer fluids.

Do not use distilled or de-ionised water. Otherwise, the fill level sensor may be triggered erroneously.

Recommended windscreen washer fluid:

- above freezing point: e.g. MB SummerFit
- below freezing point: e.g. MB WinterFit

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix washer fluid with windscreen washer fluid all year round.

Vehicle data

Vehicle dimensions

The heights specified may vary as a result of the following factors:

- Tyres
- Load
- Condition of the suspension
- Optional extras

Missing values were not available by the editorial deadline.

Vehicle dimensions

All models	
Vehicle length	
Vehicle width including exterior mirrors	
Vehicle width excluding exterior mirrors	

All models

Vehicle height	
Wheelbase	

Weights and loads

Please observe the following notes for the specified vehicle data:

- Items of special equipment increase the kerb weight and reduce the payload.
- Vehicle-specific weight information can be found on the vehicle identification plate (→ page 588).

Missing values were not available by the editorial deadline.

Roof load

Model	Maximum roof load
All models	

Maximum design speeds

The maximum design speed can differ from the stated figures in practice. It depends on the operating conditions, the special equipment and the size of the tyres.

Missing values were not available by the editorial deadline.

Maximum design speed

Model	
All models	

High-voltage battery

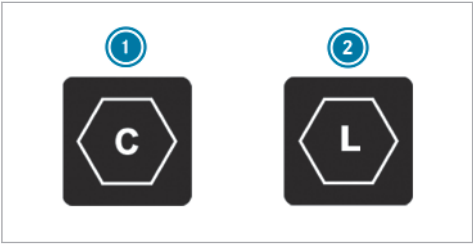
Notes on the energy supply for vehicles with high-voltage battery

In accordance with European standard EN 17186:2019, vehicle identifiers are located on the vehicle in the following places:

- On the inside of the socket flap
- On the charging cable connector

In addition, charging stations in European countries are equipped with energy supply identifiers. You can recharge your vehicle at charging stations whose charging station identifier corresponds to the vehicle identifier.

Further information on charging the high-voltage battery (→ page 179).



- ① Supply type: AC
Standard: EN 62196-2
Design: type 2
Plug type: charging cable socket and vehicle plug
Voltage range: 50 V to 500 V

- ② Supply type: DC
Standard: EN 62196-3
Design: FF
Plug type: charging cable socket and vehicle plug
Voltage range: 200 V to 920 V

Missing values were not available by the editorial deadline.

Energy content and charging times

All models	
Type	Lithium-ion
Usable energy content	
Range	
Charging time – mode 4	
The charging capacity was not available by the editorial deadline.	

All models	
Charging time – mode 3	
The charging capacity was not available by the editorial deadline.	
Charging time – mode 2	
The charging capacity was not available by the editorial deadline.	

Mode 2 and mode 3 charging times – apply to AC charging from 0% to 100% of the usable energy content.

Mode 4 charging time – applies to DC charging from 10% to 80% of the usable energy content.

The time it takes to charge the battery depends on the state of charge of the battery, the ambient temperature and the charging capacity. The charging capacity, in turn, depends on the supply voltage, the current and the type of power supply.

Please refer to the information label on the inside of the socket flap for the nominal voltage range (→ page 179).

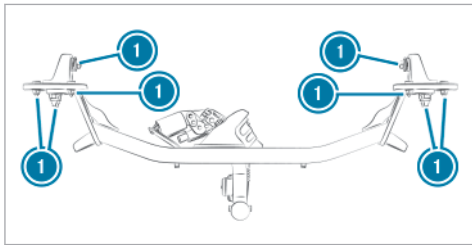
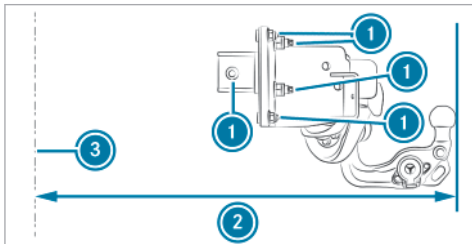
Trailer hitch

General notes on the trailer coupling

Modifications to the cooling system may be necessary, depending on the vehicle model. The retrofitting of a trailer hitch is only permissible if a towing capacity is specified in your vehicle documents.

Further information can be obtained at a qualified specialist workshop.

Mounting dimensions of the trailer hitch



- ① Fastening points
- ② Overhang dimension
- ③ Rear axle centre line

The overhang dimension and attachment points are valid for a trailer hitch installed at the factory. Missing values were not available by the editorial deadline.

Overhang dimension, length

Model	② Overhang dimension
All models	

Trailer load

- ① The tongue weight is not included in the trailer load.
The values for the **trailer load, braked** apply with a minimum start-off gradeability of 12%.

Missing values were not available by the editorial deadline.

Trailer load, braked

Model	
All models	

Trailer load, unbraked

Model	
All models	

Maximum tongue weight / load capacity

! **NOTE** Damage caused by the trailer coming loose

If the tongue weight used is too low, the trailer may come loose.

- ▶ The tongue weight must not be below 50 kg.
- ▶ Use a tongue weight that is as close as possible to the maximum permissible tongue weight.

! **NOTE** Damage caused by the bicycle rack coming loose

When using a bicycle rack, both the maximal tongue weight and the maximal load capacity should be observed.

▶ Do not exceed the permissible load capacity.

Observe the additional notes on load capacity (→ page 273).

Missing values were not available by the editorial deadline.

Tongue weight

Model	Maximum tongue weight
All models	

Load capacity

All models	Maximum load capacity
When attaching the bicycle rack to the ball head	75 kg

Permissible rear axle load (trailer operation)

Missing values were not available by the editorial deadline.

Trailer operation axle load

Model	Axle load
All models	

Display messages

Introduction

Notes

Display messages appear on the driver display.

Display messages with graphical symbols are simplified in the Owner's Manual and may differ from the symbols on the driver display. The driver display shows high-priority display messages in red. Certain display messages will be accompanied by a warning tone.

Please act in accordance with the display messages and follow the additional notes in the Owner's Manual.

For some display messages, symbols will also be shown:

- ⓘ Further information for the driver in the central display
- [x] Hides display message

You can select the respective symbol by swiping left or right on the right-hand Touch Control. Pressing ⓘ displays further information on the

driver display. Press the [x] symbol to hide the display message.

You can hide display messages to be acknowledged with the right-hand Touch Control. Supporting display messages can be stored in the message memory.

Rectify the cause of a display message as quickly as possible.





High-priority display messages cannot be hidden. The driver display will show these display messages continuously until the cause of the display message has been rectified.







Calling up saved display messages






Driver display:






- ▶ Press the right-hand Touch Control.
- ▶ On the driver display, select **Message memory** with the right-hand Touch Control.
- ▶ Scroll through the display messages by swiping upwards or downwards on the right-hand Touch Control.
- ▶ **To exit the display:** press the [↩] back button.



Occupant safety

Display messages	Possible causes/consequences and ► Solutions
 <p>Restraint system malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43). Automatic measures after an accident may not be activated as intended (→ page 51).</p> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> <p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on. • The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Front left malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p>


Display messages	Possible causes/consequences and ► Solutions
	<p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on. • The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Front right malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <div data-bbox="553 464 1984 612"> <p> DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div> <p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on. • The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Second row of seats, left Malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <div data-bbox="492 236 1923 384"> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div> <p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on. • The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Second row of seats, right Malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <div data-bbox="492 684 1923 832"> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div> <p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on.


Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Left window airbag malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> <p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> The restraint system warning lamp  does not light up when the vehicle is switched on. The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Right window airbag malfunction Consult workshop</p>	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning</p> <p>Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.</p> <p>► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p>



Display messages	Possible causes/consequences and ► Solutions
	<p>Recognition of a restraint system fault:</p> <ul style="list-style-type: none"> • The restraint system warning lamp  does not light up when the vehicle is switched on. • The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion. <p>► Consult a qualified specialist workshop immediately.</p>
<p>Front passenger airbag disabled See Owner's Manual</p>	<p>* The front passenger airbag and the front passenger knee airbag have been disabled even though an adult or a person of adult build is on the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low.</p> <div data-bbox="492 529 1923 785"> <p>⚠ WARNING - Risk of injury or even fatal injury when the front passenger airbag is disabled</p> <p>If the front passenger airbag is disabled, It will not be deployed in the event of an accident and cannot perform its intended protective function.</p> <p>A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the dashboard.</p> <p>► Be aware of the status of the front passenger airbag both before and during the journey.</p> </div> <p>► Stop the vehicle immediately in accordance with the traffic conditions.</p> <p>► Make sure that no objects are trapped under the front passenger seat.</p> <p>► Check the status of automatic front passenger airbag shutoff (→ page 46).</p> <p>► If necessary, consult a qualified specialist workshop immediately.</p>


Display messages	Possible causes/consequences and ► Solutions
<p>Front passenger airbag enabled See Owner's Manual</p>	<p>* The front passenger airbag and the front passenger knee airbag will be enabled while the vehicle is in motion in the following situations:</p> <ul style="list-style-type: none"> • Even when a child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat. • Even when the front passenger seat is not occupied. <p>The system may detect objects or forces that are adding to the weight applied to the seat.</p> <div data-bbox="553 446 1984 529"> <p>⚠ WARNING Risk of injury or death when using a child restraint system while the front passenger airbag is enabled</p> </div> <p>If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag can deploy in the event of an accident.</p> <p>The child could be struck by the airbag.</p> <p>► Ensure, both before and during the journey, that the status of the front passenger airbag is correct.</p> <p>NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the CHILD can occur.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Make sure that no objects are trapped under the front passenger seat. ► Check the status of automatic front passenger airbag shutoff (→ page 46). ► If necessary, consult a qualified specialist workshop immediately.



Display messages	Possible causes/consequences and ► Solutions
Occupant presence reminder inoperative	<ul style="list-style-type: none"> * The occupant presence reminder is malfunctioning <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Do not leave persons or animals in the vehicle</p>	<ul style="list-style-type: none"> * The occupant presence reminder suspects that there are persons or animals in the rear of the vehicle. <ul style="list-style-type: none"> ► Do not leave any persons or animals behind when leaving the vehicle.


Key





Display messages	Possible causes/consequences and ► Solutions
 <p>Change key batteries</p>	<ul style="list-style-type: none"> * The key battery is discharged. <ul style="list-style-type: none"> ► Change the battery (→ page 86).


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 466 363">Key not detected (white display message)</p>	<p data-bbox="527 182 942 213">* The key is currently undetected.</p> <ul style="list-style-type: none"> <li data-bbox="553 223 1140 254">► Change the location of the key in the vehicle. <li data-bbox="553 265 1116 296">► Attempt to establish operational readiness. <li data-bbox="553 306 1868 379">► If the key is still not detected, place it in the marked space to establish operational readiness with the key (→ page 168). <li data-bbox="553 389 983 420">► Establish operational readiness.
 <p data-bbox="118 557 441 622">Key not detected (red display message)</p>	<p data-bbox="527 441 1616 472">* The key can no longer be detected during a journey and may no longer be in the vehicle.</p> <p data-bbox="553 482 1351 513">If the key is no longer in the vehicle and you switch off the vehicle:</p> <ul style="list-style-type: none"> <li data-bbox="560 524 1024 555">• You can no longer start the vehicle. <li data-bbox="560 565 1201 596">• You can no longer establish operational readiness. <li data-bbox="560 607 1173 638">• You will not be able to lock the vehicle centrally. <p data-bbox="553 648 1030 679">► Ensure that the key is in the vehicle.</p> <p data-bbox="553 689 1156 721">If the key is in the vehicle and is still not detected:</p> <ul style="list-style-type: none"> <li data-bbox="553 731 1447 762">► Stop the vehicle immediately in accordance with the traffic conditions. <li data-bbox="553 772 1780 803">► Place the key in the marked space to establish operational readiness using the key (→ page 168). <p data-bbox="553 814 1780 845">The key battery is at low capacity or is flat.</p> <p data-bbox="553 855 1283 886">► Check the battery using the indicator lamp (→ page 84).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Key being taught in Please wait</p>	<ul style="list-style-type: none"> ► Replace the key battery, if necessary (→ page 86). <p>* The vehicle is processing in order to teach in the new key.</p> <ul style="list-style-type: none"> ► Wait until processing is complete.
<p>Place the key in the marked space See Owner's Manual</p>	<p>* Key detection is malfunctioning.</p> <ul style="list-style-type: none"> ► Change the location of the key in the vehicle. ► Place the key in the marked space to establish operational readiness using the key (→ page 168).
<p>Searching for key in stowage tray or Digital Vehicle Key in inductive charging bracket... See Owner's Manual</p>	<p>* The key has not been detected.</p> <ul style="list-style-type: none"> ► Place the key in the marked space to establish operational readiness using the key (→ page 168). <p>If the key is still not detected:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. <p>* The Digital Vehicle Key has not been detected.</p> <ul style="list-style-type: none"> ► Place the Digital Vehicle Key in the marked space (→ page 168). <p>If the Digital Vehicle Key is still not detected:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
 <p>Key not detected</p>	<p>* The key or the Digital Vehicle Key is currently undetected.</p> <ul style="list-style-type: none"> ► Change the location of the key or the Digital Vehicle Key in the vehicle. ► Attempt to establish operational readiness. ► If the key is still not detected, place it in the marked space to establish operational readiness with the key (→ page 168). ► If the Digital Vehicle Key is still not detected, place the Digital Vehicle Key in the marked space (→ page 168). ► Establish operational readiness.
 <p>Key not detected Place Digital Vehicle Key in inductive charging bracket</p>	<p>* The key or the Digital Vehicle Key is no longer detected during a journey and may no longer be in the vehicle. If the key or the Digital Vehicle Key is no longer in the vehicle and you switch off the vehicle:</p> <ul style="list-style-type: none"> • You can no longer start the vehicle. • You can no longer establish operational readiness. • You will not be able to lock the vehicle centrally. <p>► Ensure that the key or the Digital Vehicle Key is in the vehicle.</p> <p>If the key or the Digital Vehicle Key is in the vehicle and is still not detected:</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Place the key in the marked space to establish operational readiness using the key (→ page 168). ► Place the Digital Vehicle Key in the marked space (→ page 168).




Display messages	Possible causes/consequences and ► Solutions
	<p>The key battery is at low capacity or is flat.</p> <ul style="list-style-type: none"> ► Check the battery using the indicator lamp (→ page 84). ► Replace the key battery, if necessary (→ page 86). <p>The state of charge of the rechargeable battery of the end device with the Digital Vehicle Key is too low.</p> <ul style="list-style-type: none"> ► Immediately charge the rechargeable battery of the Digital Vehicle Key end device. <p>Otherwise, operational readiness of the vehicle cannot be re-established after the vehicle has been parked. If the key or the Digital Vehicle Key is still not detected:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Replace key See Owner's Manual</p>	<p>* If the Digital Vehicle Key is not replaced and you switch off the vehicle:</p> <ul style="list-style-type: none"> • You can no longer start the vehicle. • You can no longer establish operational readiness. • You will not be able to lock the vehicle centrally. <ul style="list-style-type: none"> ► The system will automatically renew the Digital Vehicle Key. When renewal is complete, the message will disappear and the Digital Vehicle Key will be available again.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 337 329">Do not forget key</p>	<p data-bbox="527 182 1958 246">* A warning tone will also sound. This message reminds you to take your key with you when you leave the vehicle. This also applies to the Digital Vehicle Key.</p>
 <p data-bbox="118 474 449 536">Digital Vehicle Key Charge device</p>	<p data-bbox="527 360 1802 391">* The state of charge of the rechargeable battery of the end device with the Digital Vehicle Key is too low.</p> <p data-bbox="547 401 1590 433">► Immediately charge the rechargeable battery of the Digital Vehicle Key end device.</p>
 <p data-bbox="118 684 449 746">Key being taught in Please wait</p>	<p data-bbox="527 570 1430 601">* The vehicle is processing in order to teach in the new Digital Vehicle Key.</p> <p data-bbox="547 612 1001 643">► Wait until processing is complete.</p>
 <p data-bbox="118 891 408 954">Key does not belong to vehicle</p>	<p data-bbox="527 778 1226 809">* If the Digital Vehicle Key does not belong to the vehicle:</p> <ul data-bbox="562 824 1165 943" style="list-style-type: none"> <li data-bbox="562 824 940 855">• You cannot start the vehicle. <li data-bbox="562 866 1124 897">• You cannot establish operational readiness. <li data-bbox="562 907 1165 938">• You cannot lock or unlock the vehicle centrally.




Display messages	Possible causes/consequences and ► Solutions
 <p>Replace key</p>	<ul style="list-style-type: none"> ► Use the Digital Vehicle Key belonging to the vehicle.
	<ul style="list-style-type: none"> * Have the key replaced. ► Consult a qualified specialist workshop.





Lights





Display messages	Possible causes/consequences and ► Solutions
 <p>Malfunction See Owner's Manual</p>	<ul style="list-style-type: none"> * The exterior lighting is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. * Vehicles with a trailer hitch: a fuse may have blown. <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Check the fuses and replace them if necessary (→ page 433).





Display messages	Possible causes/consequences and ► Solutions
 <p>Automatic driving lights inoperative</p>	<ul style="list-style-type: none"> * The light sensor for automatic driving lights is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Switch on headlamps</p>	<ul style="list-style-type: none"> * You are driving without low-beam headlamps. <ul style="list-style-type: none"> ► Change exterior lighting mode (→ page 140).
 <p>Switch off lights</p>	<ul style="list-style-type: none"> * You are leaving the vehicle and the lights are still switched on. <ul style="list-style-type: none"> ► Change exterior lighting mode to AUTO (→ page 140).
<p>MULTIBEAM LED Functions limited</p>	<ul style="list-style-type: none"> * The MULTIBEAM LED system is malfunctioning. The lighting system will continue to work, but without the functions of the MULTIBEAM LED system. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
<p>Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual</p>	<p>* Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 144). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Plus available again display message will appear.</p> <ul style="list-style-type: none"> ► Drive on ► Operate the high beam manually until Adaptive High Beam Assist Plus is available again.
<p>Adaptive Highbeam Assist Plus inoperative</p>	<p>* Adaptive Highbeam Assist Plus is malfunctioning.</p> <ul style="list-style-type: none"> ► Drive on or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop. ► Until then, operate the high beam manually.
<p>Adaptive Highbeam Assist currently unavailable See Owner's Manual</p>	<p>* Adaptive Highbeam Assist is temporarily unavailable. The system limits have been reached (→ page 143). Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist available again display message will appear</p> <ul style="list-style-type: none"> ► Drive on ► Operate the high beam manually until Adaptive High Beam Assist is available again.





Display messages	Possible causes/consequences and ► Solutions
<p>Adaptive Highbeam Assist inoperative</p>	<ul style="list-style-type: none"> * Adaptive Highbeam Assist is malfunctioning. <ul style="list-style-type: none"> ► Drive on or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop. ► Until then, operate the high beam manually.
 <p>Front left parking lights</p>	<ul style="list-style-type: none"> * The front left parking light is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Front right parking lights</p>	<ul style="list-style-type: none"> * The front right parking light is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Left low beam</p>	<ul style="list-style-type: none"> * The left low beam is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.





Display messages	Possible causes/consequences and ► Solutions
 Right low beam	<ul style="list-style-type: none">* The right low beam is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Left cornering light	<ul style="list-style-type: none">* The left cornering light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Right cornering light	<ul style="list-style-type: none">* The right cornering light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Left tail light	<ul style="list-style-type: none">* The left tail light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
 <p>Right tail light</p>	<ul style="list-style-type: none"> * The right tail light is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Left main beam</p>	<ul style="list-style-type: none"> * The left high beam is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Right main beam</p>	<ul style="list-style-type: none"> * The right high beam is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Left daytime running lights</p>	<ul style="list-style-type: none"> * The left daytime running lights are malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 Right daytime running lights	<ul style="list-style-type: none">* The right-hand daytime running lights are malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Front left turn signal	<ul style="list-style-type: none">* The front left turn signal lamp is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Rear left turn signal	<ul style="list-style-type: none">* The rear left turn signal lamp is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Front right turn signal	<ul style="list-style-type: none">* The front right turn signal lamp is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
 <p>Rear right turn signal</p>	<ul style="list-style-type: none"> * The rear right turn signal lamp is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Left mirror turn signal</p>	<ul style="list-style-type: none"> * The turn signal lamp on the left mirror is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Right mirror turn signal</p>	<ul style="list-style-type: none"> * The turn signal lamp on the right mirror is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Left brake lamp</p>	<ul style="list-style-type: none"> * The left brake light is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
 Right brake lamp	<ul style="list-style-type: none">* The right brake light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Third brake lamp	<ul style="list-style-type: none">* The third brake light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Reversing light	<ul style="list-style-type: none">* The reversing light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Rear fog light	<ul style="list-style-type: none">* The rear fog light is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p>Number plate lamp</p>	<ul style="list-style-type: none"> * The number plate lamp is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Trailer left turn signal</p>	<ul style="list-style-type: none"> * The left turn signal lamp on the trailer is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Trailer right turn signal</p>	<ul style="list-style-type: none"> * The right turn signal lamp on the trailer is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Trailer brake lamp</p>	<ul style="list-style-type: none"> * The brake light on the trailer is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
 <p>Trailer tail light</p>	<ul style="list-style-type: none"> * A tail light on the trailer is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Hazard warning lamp system Malfunction</p>	<ul style="list-style-type: none"> * The hazard warning lamp switch is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Inoperative indicator lamp in driver display. Consult workshop</p>	<ul style="list-style-type: none"> * An indicator lamp on the driver's display is defective. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.




Climate control



Display messages	Possible causes/consequences and ► Solutions
 <p>Currently unavailable High-voltage battery charging incomplete.</p>	<ul style="list-style-type: none"> * The high-voltage battery is charging. Pre-entry climate control cannot be switched on. <ul style="list-style-type: none"> ► Wait until the charging process has achieved a minimum state of charge.



Display messages	Possible causes/consequences and ► Solutions
 <p>Currently unavailable Charge high-voltage battery</p>	<ul style="list-style-type: none"> * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. <ul style="list-style-type: none"> ► Charge the high-voltage battery (→ page 179).
 <p>Pre-entry climate control via key available again after starting vehicle</p>	<ul style="list-style-type: none"> * You have attempted to switch on pre-entry climate control more than three times with the vehicle switched off. <ul style="list-style-type: none"> ► Establish operational readiness for ten seconds. Pre-entry climate control is operational again.
 <p>Pre-entry climate control via key currently unavailable. High-voltage battery low</p>	<ul style="list-style-type: none"> * The charge of the high-voltage battery is too low. Pre-entry climate control cannot be switched on. <ul style="list-style-type: none"> ► Charge the high-voltage battery (→ page 179). When the high-voltage battery is sufficiently charged, pre-entry climate control will be operational again.

Drive system




Display messages	Possible causes/consequences and ► Solutions
 <p>High-voltage system malfunction</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. A warning tone will also sound. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Preparing drive system...</p>	<ul style="list-style-type: none"> * The drive system is being prepared. Do not restart the vehicle for around 15 seconds. <ul style="list-style-type: none"> ► Switch the vehicle off and lock it. ► After waiting for a short time, unlock the vehicle and establish operational readiness. ► If the display message appears again and operational readiness cannot be established within 15 seconds, consult a qualified specialist workshop.
 <p>Have high-voltage system checked See Owner's Manual</p>	<ul style="list-style-type: none"> * A function restriction has occurred in the drive system. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.






Display messages	Possible causes/consequences and ► Solutions
 <p>Stop immediately Drive will be deactivated Charge high-voltage battery</p>	<ul style="list-style-type: none"> * The state of charge of the high-voltage battery is very low. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Charge the high-voltage battery.
 <p>Towing not permitted See Owner's Manual</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. <ul style="list-style-type: none"> ► Have the vehicle transported using only a transporter or trailer (→ page 431).
 <p>Acoustic presence indicator inoperative</p>	<ul style="list-style-type: none"> * The sound generator (acoustic vehicle warning system) is malfunctioning. No vehicle noises are being produced. The vehicle may not be heard by other road users. <ul style="list-style-type: none"> ► Drive with particular care. ► Consult a qualified specialist workshop.
<p>Cannot start vehicle See Owner's Manual</p>	<ul style="list-style-type: none"> * Operational readiness cannot be established. A malfunction has occurred in the drive system. <ul style="list-style-type: none"> ► Switch the vehicle off and lock it.




Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► After waiting for a short time, unlock the vehicle and establish operational readiness. ► If the display message appears again and operational readiness cannot be established, consult a qualified specialist workshop.
 <p>Top up coolant See Owner's Manual</p>	<p>* The coolant level is too low.</p> <div data-bbox="492 363 1923 467"> <p>! NOTE Damage to the drive system due to insufficient coolant</p> <p>► Avoid long journeys with insufficient coolant.</p> </div> <p>► Have the cooling system of the drive system checked at a qualified specialist workshop.</p>
 <p>Cooling system malfunction Reduced drive power Consult workshop</p>	<p>* The cooling system has detected a component fault.</p> <p>► Avoiding high loads on the drive system, drive to the nearest qualified specialist workshop.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Cooling system malfunction Stop immediately Switch off the vehicle</p>	<p>* The coolant is too hot.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions and switch off the drive system. <p>⚠ WARNING Risk of injury due to overheated vehicle</p> <p>If you open the bonnet in the event of an overheated vehicle or fire in the engine compartment, the following situations may occur:</p> <ul style="list-style-type: none"> • You may come into contact with hot gases. • You may come into contact with other escaping hot operating fluids. <ul style="list-style-type: none"> ► In the event of overheating or fire in the engine compartment, keep the bonnet closed and call the fire service. ► Allow the overheated vehicle to cool down first if you need to open the bonnet. <ul style="list-style-type: none"> ► Wait until the drive system has cooled down. ► Make sure that the air supply to the vehicle radiator is not obstructed. ► Avoiding high loads on the drive system, drive to the nearest qualified specialist workshop.
 <p>Charger cable connected</p>	<p>* You cannot establish operational readiness while the charging cable is connected.</p> <ul style="list-style-type: none"> ► Disconnect the charging cable from the vehicle.

Display messages	Possible causes/consequences and ► Solutions
<p>Not possible to unlock charging cable See Owner's Manual</p>	<ul style="list-style-type: none"> * The charging cable connector cannot be removed from the vehicle socket. <ul style="list-style-type: none"> ► If the charging cable is under strain, relieve the strain on the charging cable connector by carefully pulling on the charging cable. ► Press the charging interruption button (→ page 190). <p>If the charging cable connector cannot be removed after that:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Vehicle not currently being charged Charging station fault</p>	<ul style="list-style-type: none"> * A malfunction has occurred in the charging station or the RFID card is not recognised. <ul style="list-style-type: none"> ► Start the charging process at a different charging station. or ► Use an alternative authentication method or payment method.
<p>400 V charging unavailable Use 800 V charging stations</p>	<ul style="list-style-type: none"> * The charging process cannot be started because the charging station is not compatible. <ul style="list-style-type: none"> ► Start the charging process at an 800 V charging station. <p>Observe the notes on charging at a quick charging station (mode 4) (→ page 184).</p>
<p>AC charging inoperative Consult workshop</p>	<ul style="list-style-type: none"> * The AC charging process cannot be started due to a malfunction. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>DC charging inoperative Consult workshop</p>	<ul style="list-style-type: none"> * The DC charging process cannot be started due to a malfunction. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
<p>Output severely limited See Owner's Manual</p>	<ul style="list-style-type: none"> * The drive system is outside the normal operating temperature range (e.g. due to extremely low or high outside temperatures). Drive system power output is reduced. The yellow reduced-power warning lamp  is on. Once the operating temperature of the drive system returns to normal (e.g. after a short trip), the full output will be available again. The display message and the yellow  reduced-power warning lamp will go out. ► Drive on carefully. * The high-voltage battery is not charged sufficiently. Drive system power output is reduced. The yellow reduced-power warning lamp  is on. ► Drive on carefully. ► Charge the high-voltage battery immediately. * If the drive system power output is still reduced, there is a fault in the drive system. ► Drive on carefully. ► Consult a qualified specialist workshop.
<p>Charge high-voltage battery if the vehicle will be parked for an extended period at low outside temperatures.</p>	<ul style="list-style-type: none"> * Due to a possible drop in the temperature of the high-voltage battery, the starting ability or the range may drop significantly until operational readiness is re-established. ► Charging the high-voltage battery (→ page 179).


Display messages	Possible causes/consequences and ► Solutions
<p>Please wait in READY status Battery is warming up See Owner's Manual</p>	<ul style="list-style-type: none"> * Operational readiness is established  and the transmission position  is engaged. The high-voltage battery is warmed up to the operating temperature. This process can take a few minutes and may be prolonged if demisting of the windscreen  is activated. The heating process ends when transmission position  is engaged. However, when you are driving, the output will be significantly limited until the high-voltage battery has reached its operating temperature.
<p>Login failed Change authentication method or charging station</p>	<ul style="list-style-type: none"> * Plug-and-Charge is not expected to be available at this charging station. ► Use an alternative authentication method or payment method. or ► Start the charging process at a different charging station.
 <p>Battery capacity too low Stop Charge immediately</p>	<ul style="list-style-type: none"> * The state of charge of the high-voltage battery is so low that it is no longer possible to establish operational readiness. The drive system can no longer be started. When operational readiness is re-established, the Battery capacity too low Stop Charge immediately message appears again. ► Stop the vehicle immediately in accordance with the traffic conditions. ► Charge the high-voltage battery (→ page 179).

Display messages	Possible causes/consequences and ► Solutions
 <p>Battery overheated Stop, everybody out! Outdoors if possible</p>	<ul style="list-style-type: none"> * The high-voltage battery has overheated. There is a risk of fire. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► If possible, stop the vehicle in the open air and ensure that all vehicle occupants get out. ① Supporting vehicle functions may activate automatically (e.g. air-recirculation mode as part of climate control). ► Do not continue driving. ► If smoke is present, leave the danger zone and call the fire service immediately. ► Consult a qualified specialist workshop even if there are no external signs of a fire.
 <p>Malfunction</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. The output of your vehicle is restricted. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p>Malfunction Visit workshop</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
<p>High-voltage battery malfunction. Consult workshop without starting the vehicle again</p>	<ul style="list-style-type: none"> * A malfunction has occurred in the high-voltage battery. When the vehicle is switched off, it is no longer possible to establish operational readiness. ► Do not switch off the vehicle; drive on to the nearest qualified specialist workshop.
<p>Consult workshop without starting the vehicle again</p>	<ul style="list-style-type: none"> * Operational readiness cannot be re-established due to a fault. ► Do not switch off the vehicle; drive on to the nearest qualified specialist workshop.
<p>Drive malfunction Achievable speed severely limited See Owner's Manual</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. The maximum vehicle speed is restricted. ► Consult a qualified specialist workshop.
<div data-bbox="65 572 261 676" data-label="Image"></div> <p>Reserve level Charge high-voltage battery</p>	<ul style="list-style-type: none"> * The charge level of the high-voltage battery has dropped into the reserve range. ► Charge the high-voltage battery (→ page 179).
<div data-bbox="65 785 261 888" data-label="Image"></div> <p>Stop Switch off the vehicle</p>	<ul style="list-style-type: none"> * The drive system is malfunctioning. ► Stop immediately in accordance with the traffic conditions and switch off the vehicle. Do not continue driving because the drive system is automatically deactivated. ► Do not tow the vehicle; stop towing if necessary. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
High-voltage battery malfunction. No start in approx. XXX km Consult workshop (yellow display message)	<ul style="list-style-type: none"> * A malfunction has occurred in the high-voltage battery. Operational readiness cannot be established at the end of the route displayed. <ul style="list-style-type: none"> ► Have the necessary maintenance work on the high-voltage battery carried out at a qualified specialist workshop.
High-voltage battery malfunction. No start in approx. XXX km Consult workshop (red display message)	<ul style="list-style-type: none"> * A malfunction has occurred in the high-voltage battery. Operational readiness cannot be established at the end of the route displayed. <ul style="list-style-type: none"> ► Have the necessary maintenance work on the high-voltage battery carried out immediately at a qualified specialist workshop.

Vehicle

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> * The driver display is inoperative due to a failed software update. The display message will be shown every time operational readiness is established. <p>⚠ WARNING Risk of accident if the driver's display fails</p> <p>If the driver's display fails or malfunctions, you may not be aware of any functional limitations to safety-critical systems. This may affect the operating safety of the vehicle.</p>

Display messages	Possible causes/consequences and ► Solutions
	<div data-bbox="492 184 1923 236" style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>► Park the vehicle safely as soon as possible and notify a qualified specialist workshop.</p> </div> <p>If the operating safety of your vehicle is impaired, park the vehicle immediately and safely. Contact a qualified specialist workshop.</p> <p>If the driver display fails, you may not recognise e.g. function restrictions affecting systems relevant to safety or the speed display. The operating safety of the vehicle may be impaired (→ page 278).</p> <p>► Have the vehicle checked by a qualified specialist workshop immediately.</p>
<p>Vehicle is ready to drive Shutdown occurs when locked or automatically in a few minutes</p>	<p>* You are leaving the vehicle in a ready-to-drive state.</p> <p>To switch off the vehicle:</p> <ul style="list-style-type: none"> • Lock the vehicle from outside. or • Exit the vehicle with the vehicle key. The vehicle is not locked in this case. or • The vehicle is switched off automatically after a few minutes. The vehicle is not locked in this case. <p>► Secure the vehicle against rolling away and take the key with you.</p>

Display messages	Possible causes/consequences and ► Solutions
	<p>► If you do not leave the vehicle, switch off the electrical consumers (e.g. the seat heating). Otherwise, the 12 V battery may discharge. In this case, the vehicle can no longer be operated and locked. Starting assistance can then be provided only by a qualified specialist workshop (e.g. a Mercedes-Benz Service Centre).</p>
 <p>Top up washer fluid</p>	<p>* The washer fluid level in the washer fluid reservoir has dropped below the minimum.</p> <p>► Top up the washer fluid (→ page 411).</p>
 <p>Intensive cleaning activated for 30 s</p>	<p>* Deep cleaning of the windscreen has been activated (→ page 149).</p>
<p>Wiper Malfunction</p>	<p>* The windscreen wiper is malfunctioning.</p> <p>► Re-establish operational readiness.</p> <p>If the display message still appears:</p> <p>► Consult a qualified specialist workshop.</p>

Display messages



Trailer coupling Check
lock (white display message)

Possible causes/consequences and ► Solutions

- * The trailer hitch is not operational during a journey with a trailer.

⚠ WARNING Risk of an accident if the ball neck is not locked

The trailer may become detached.

- Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
- Uncouple the trailer and secure it against rolling away.
- Initiate a new swivelling procedure and do not re-couple the trailer until the display message disappears.


- Stop immediately in accordance with the traffic conditions and switch off the vehicle.
- Uncouple the trailer and secure it against rolling away.
- Initiate a new swivel movement (→ page 268).
- When the display message disappears, couple up the trailer and drive on.

If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.

- Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck.
- Consult a qualified specialist workshop.



- * When the vehicle is stationary with a coupled trailer, the trailer hitch is not operational.



- Uncouple the coupled trailer and secure it against rolling away.



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► If the ball neck has been retracted: initiate a new swivel movement (→ page 268). The ball neck will engage vertically in the locked position and then engage beneath the bumper. ► If the ball neck has been extended: initiate a new swivel movement (→ page 268). The ball neck will engage beneath the bumper. ► Swivel the ball neck into the end position manually and let it engage. <p>If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.</p> <ul style="list-style-type: none"> ► Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ► Consult a qualified specialist workshop.
 <p>Trailer coupling Check lock (red display message)</p>	<p>* The trailer hitch is not operational during a journey with a trailer.</p> <div style="background-color: #f0f0f0; padding: 10px; margin: 10px 0;"> <p>⚠ WARNING Risk of an accident if the ball neck is not locked</p> <p>The trailer may become detached.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Uncouple the trailer and secure it against rolling away. ► Initiate a new swivelling procedure and do not re-couple the trailer until the display message disappears. </div> <ul style="list-style-type: none"> ► Stop immediately in accordance with the traffic conditions and switch off the vehicle. ► Uncouple the trailer and secure it against rolling away.



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Initiate a new swivel movement (→ page 268). ► When the display message disappears, couple up the trailer and drive on. <p>If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.</p> <ul style="list-style-type: none"> ► Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ► Consult a qualified specialist workshop. <p>* When the vehicle is stationary with a coupled trailer, the trailer hitch is not operational.</p> <ul style="list-style-type: none"> ► Uncouple the coupled trailer and secure it against rolling away. ► If the ball neck has been retracted: initiate a new swivel movement (→ page 268). The ball neck will engage vertically in the locked position and then engage beneath the bumper. ► If the ball neck has been extended: initiate a new swivel movement (→ page 268). The ball neck will engage beneath the bumper. <p>If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.</p> <ul style="list-style-type: none"> ► Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
Head-up display currently unavailable See Owner's Manual	<p>* The head-up display is temporarily unavailable. Possible causes:</p> <ul style="list-style-type: none"> • Malfunctions in the power supply • Signal interference <p>► Stop in accordance with the traffic conditions and re-establish operational readiness.</p> <p>► If the display message still appears, consult a qualified specialist workshop.</p>
Head-up display inoperative	<p>* The head-up display has an internal error.</p> <p>► Consult a qualified specialist workshop.</p>
Head-up display Brightness currently reduced See Owner's Manual	<p>* The brightness of the head-up display is reduced. Possible causes:</p> <ul style="list-style-type: none"> • Dirt on the windscreen in the field of vision of the cameras • Faulty exterior brightness signals <p>► Switch on the windscreen wipers.</p> <p>► Clean the windscreen if necessary.</p> <p>► Re-establish operational readiness.</p> <p>► If the display message still appears, consult a qualified specialist workshop.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Steering malfunction Stop immediately See Owner's Manual</p>	<p>* The steering is malfunctioning. Steering capability is significantly impaired.</p> <div data-bbox="492 236 1923 456"> <p>⚠ WARNING Risk of accident if steering capability is impaired</p> <p>If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Consult a qualified specialist workshop.
 <p>Steering malfunction Drive carefully Visit workshop</p>	<p>* A power steering malfunction has occurred. Steering characteristics may be impaired as a result.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p>Steering malfunction Increased physical effort See Owner's Manual</p>	<p>* The power steering assistance is malfunctioning.</p> <div data-bbox="553 236 1984 425"> <p>⚠ WARNING Risk of an accident due to altered steering characteristics</p> <p>If the power assistance of the steering fails partially or completely, you will need to use more force to steer.</p> <ul style="list-style-type: none"> ► If safe steering is possible, drive on carefully. ► Visit or consult a qualified specialist workshop immediately. </div> <ul style="list-style-type: none"> ► If safe steering is possible, drive on carefully. ► Visit or consult a qualified specialist workshop immediately.
<p>Active bonnet malfunction See Owner's Manual</p>	<p>* The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
	<p>* The bonnet is open.</p> <div data-bbox="553 686 1984 876"> <p>⚠ WARNING Risk of accident due to the unlocked front-end flap while driving</p> <p>The front-end flap can open and block your view.</p> <ul style="list-style-type: none"> ► Never release the bonnet while driving. ► Ensure that the bonnet is locked before every journey. </div> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Close the bonnet (→ page 99).

Display messages	Possible causes/consequences and ► Solutions
 <p>Bonnet not locked Close before starting journey (red display message)</p>	<p>* The bonnet is not locked. A warning tone will also sound.</p> <div data-bbox="492 277 1923 470"> <p>⚠ WARNING Risk of accident due to the unlocked front-end flap while driving</p> <p>The front-end flap can open and block your view.</p> <ul style="list-style-type: none"> ► Never release the bonnet while driving. ► Ensure that the bonnet is locked before every journey. </div> <p>► Engage park position P.</p> <p>► Close the bonnet (→ page 99).</p>
 <p>Stop immediately Close bonnet completely (red display message)</p>	<p>* You are driving with an unlocked bonnet. A warning tone will also sound.</p> <div data-bbox="492 681 1923 874"> <p>⚠ WARNING Risk of accident due to the unlocked front-end flap while driving</p> <p>The front-end flap can open and block your view.</p> <ul style="list-style-type: none"> ► Never release the bonnet while driving. ► Ensure that the bonnet is locked before every journey. </div> <p>► Stop the vehicle immediately in accordance with the traffic conditions.</p> <p>► Shift the transmission to park position P when the vehicle is stationary.</p>

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Close the bonnet (→ page 99).
	<ul style="list-style-type: none"> * At least one door is open. ► Close all doors.
	<ul style="list-style-type: none"> * The boot lid is open. ► Close the boot lid.

Transmission

Display messages	Possible causes/consequences and ► Solutions
To switch off the vehicle, press the P button for at least 3 seconds or press 3 times	<ul style="list-style-type: none"> * The requirements for switching off the vehicle were not met. ► To switch off the vehicle, press and hold the P button for at least three seconds. or ► Press the P button three times within one second.
To start vehicle, apply brakes and select drive range D or R	<ul style="list-style-type: none"> * The requirements for establishing operational readiness were not met. ► To establish operational readiness of the vehicle, depress and hold the brake pedal.

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Select transmission position D or R.
N is selected Please select desired transmission position	<ul style="list-style-type: none"> * The accelerator pedal was depressed while the vehicle was rolling or moving in neutral N. <ul style="list-style-type: none"> ► To accelerate the vehicle, select transmission position D or R.
Apply brake to deselect P position	<ul style="list-style-type: none"> * You have attempted to shift the transmission out of park position P and into another transmission position. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Select transmission position D, R or neutral N.
Apply brake to engage D or R	<ul style="list-style-type: none"> * You have attempted to select transmission position D or R. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Select transmission position D or R.
Apply parking brake to park Visit workshop	<ul style="list-style-type: none"> * A malfunction has occurred in the emergency power supply to park position P. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Before leaving the vehicle, apply the electric parking brake.
Risk of vehicle rolling away Driver's door open Transmission not in P	<ul style="list-style-type: none"> * The driver's door is not fully closed and transmission position D, R or neutral N is selected. The vehicle may roll away. <ul style="list-style-type: none"> ► Select park position P when switching off the vehicle.



Display messages	Possible causes/consequences and ► Solutions
<p>Risk of vehicle rolling away Apply parking brake to park</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. Park position P cannot be selected. <ul style="list-style-type: none"> ► Park the vehicle safely. ► Use the electric parking brake to secure the vehicle against rolling away. ► On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving.
<p>Risk of vehicle rolling away N activated manually No automatic switch to P</p>	<ul style="list-style-type: none"> * While the vehicle was at a standstill or driving at very low speed, neutral N was engaged while operational readiness was established or the vehicle was switched on. <div data-bbox="553 449 1984 721" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>! NOTE Damage to the vehicle due to rolling away</p> <p>When the vehicle is switched off or the driver's door is opened, automatic engagement of park position P is deactivated.</p> <p>The vehicle may roll away.</p> <ul style="list-style-type: none"> ► Be ready to brake. ► Do not leave the vehicle unattended. </div> <ul style="list-style-type: none"> ► Depress the brake pedal until the vehicle comes to a standstill. ► Engage park position P when the vehicle is stationary with the brake pedal depressed. ► To continue driving with the brake pedal depressed, select transmission position D or R.




Display messages	Possible causes/consequences and ► Solutions
<p>N automatically activated Please engage transmission position again</p>	<ul style="list-style-type: none"> * Neutral N was automatically engaged when the vehicle was rolling or being driven. <ul style="list-style-type: none"> ❗ When you open the driver's door in neutral N, park position P will be engaged automatically. ► Engage park position P when the vehicle is stationary with the brake pedal depressed. ► To continue driving with the brake pedal depressed, select transmission position D or R.
<p>To shift to N, hold selector lever longer in position N</p>	<ul style="list-style-type: none"> * Selector lever not held for long enough in position N. It will be possible to change from park position P to neutral N only if the selector lever is held in N for an extended period of time. If the selector lever is not held for long enough, park position P will remain engaged. <ul style="list-style-type: none"> ► When changing from park position P to neutral N, hold the selector lever in position N for an extended period of time.
<p>Reversing not poss. Consult workshop</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. It is not possible to select transmission position R. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Transmission Malfunction Stop</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. The transmission shifts to neutral N automatically. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Depress the brake pedal. ► Switch off the vehicle. ► Consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
Consult workshop without changing the transmission position	<p>* The transmission is malfunctioning. It is no longer possible to change the transmission position.</p> <ul style="list-style-type: none"> ► If transmission position D is selected, consult a qualified specialist workshop and do not change the transmission position. ► For all other transmission positions, park the vehicle safely. ► Consult a qualified specialist workshop.
Auxiliary battery malfunction (white display message)	<p>* There is a malfunction in the auxiliary battery.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Before leaving the vehicle, apply the electric parking brake.
Auxiliary battery malfunction (red display message)	<p>* There is a malfunction in the auxiliary battery.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Before leaving the vehicle, apply the electric parking brake.
Drive malfunction Stop Restart vehicle	<p>* The transmission is malfunctioning.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Re-establish operational readiness. <p>If the display message still appears:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.




Display messages	Possible causes/consequences and ► Solutions
Drive malfunction Stop Consult workshop	<ul style="list-style-type: none"> * The transmission is malfunctioning. <ul style="list-style-type: none"> ► Stop the vehicle immediately in a safe location and do not continue driving. ► Consult a qualified specialist workshop.



Brakes





Display messages	Possible causes/consequences and ► Solutions
 Malfunction See Owner's Manual	<ul style="list-style-type: none"> * The brake force boosting function is impaired. <div data-bbox="492 532 1923 723"> <div>  WARNING Risk of an accident due to a brake system malfunction </div> <p>If the brake system is malfunctioning, braking characteristics may be impaired.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop. </div> ► Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 431 329">Malfunction Stop vehicle</p>	<p data-bbox="527 184 1692 215">* The brake force boosting function is impaired and the braking characteristics may be affected.</p> <div data-bbox="553 236 1984 456"> <p data-bbox="564 246 1575 277">⚠ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> <p data-bbox="574 298 1937 360">If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.</p> <ul data-bbox="574 370 1344 446" style="list-style-type: none"> <li data-bbox="574 370 1344 401">► Stop in a safe location immediately. Do not continue driving! <li data-bbox="574 412 1099 446">► Consult a qualified specialist workshop. </div> <p data-bbox="553 477 1745 508">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p> <p data-bbox="553 519 1075 550">► Consult a qualified specialist workshop.</p>
 <p data-bbox="118 692 349 723">Brake immediately</p>	<p data-bbox="527 578 1371 609">* A malfunction has occurred while the HOLD function was activated.</p> <p data-bbox="553 619 1071 650">A horn may also sound at regular intervals.</p> <p data-bbox="553 660 989 692">You cannot start the vehicle system.</p> <p data-bbox="553 702 1575 764">► Immediately depress the brake pedal firmly until the display message disappears. You cannot start the vehicle system again.</p>
 <p data-bbox="118 906 457 968">Caution Brakes overheated Drive carefully</p>	<p data-bbox="527 792 887 823">* The brakes are overheating.</p> <div data-bbox="553 844 1984 969"> <p data-bbox="564 854 1610 885">⚠ WARNING Risk of an accident due to vapour pockets forming in the brake system</p> <p data-bbox="574 906 1896 969">The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard.</p> </div>




Display messages	Possible causes/consequences and ► Solutions
	<p>This impairs the braking effect.</p> <ul style="list-style-type: none"> ► Have the brake fluid renewed at the specified intervals. <ul style="list-style-type: none"> ► Drive on carefully. ► Check the brake fluid. ► Consult a qualified specialist workshop.
<p>Check brake pads See Owner's Manual</p>	<ul style="list-style-type: none"> * The brakepads have reached the wear limit. ► Consult a qualified specialist workshop.
<div data-bbox="65 533 261 638" data-label="Image"> </div> <p>Parking brake See Owner's Manual</p>	<ul style="list-style-type: none"> * The yellow  indicator lamp is lit. The electric parking brake is malfunctioning. <p>To apply:</p> <ul style="list-style-type: none"> ► Switch the vehicle off and then back on. ► Apply the electric parking brake manually (→ page 200). <p>If it is not possible to apply the electric parking brake:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Where necessary, also secure the parked vehicle against rolling away. <ul style="list-style-type: none"> * The yellow  indicator lamp and the red  indicator lamp are lit. The electric parking brake is malfunctioning. <p>To release:</p>




Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Switch the vehicle off and then back on. ► Release the electric parking brake manually (→ page 200). <p>or</p> <ul style="list-style-type: none"> ► Release the electric parking brake automatically (→ page 200). <p>If it is still not possible to release the electric parking brake:</p> <ul style="list-style-type: none"> ► Do not continue driving. Consult a qualified specialist workshop. <p>* The yellow  indicator lamp is lit and the red  indicator lamp is flashing. The electric parking brake is malfunctioning.</p> <p>The electric parking brake could not be applied or released.</p> <ul style="list-style-type: none"> ► Switch the vehicle off and then back on. <p>To apply:</p> <ul style="list-style-type: none"> ► Release and then apply the electric parking brake manually (→ page 200). <p>To release:</p> <ul style="list-style-type: none"> ► Apply and then release the electric parking brake manually. <p>If it is not possible to apply the electric parking brake or the red  indicator lamp continues to flash:</p> <ul style="list-style-type: none"> ► Do not continue driving. Consult a qualified specialist workshop. ► Where necessary, also secure the parked vehicle against rolling away.



Display messages	Possible causes/consequences and ► Solutions
	<p>* The yellow  indicator lamp is lit and the red  indicator lamp flashes for approximately ten seconds after the electric parking brake has been applied or released. It then remains lit or goes out. The electric parking brake is malfunctioning.</p> <p>If the state of charge is too low:</p> <p>► Charge the 12 V battery (→ page 431).</p> <p>To apply:</p> <p>► Apply the electric parking brake manually.</p> <p>If it is not possible to apply the electric parking brake:</p> <p>► Consult a qualified specialist workshop.</p> <p>► Where necessary, also secure the parked vehicle against rolling away.</p> <p>If you do not want the electric parking brake to be applied (e.g. at an automatic car wash or when the vehicle is being towed), leave the vehicle switched on. This does not include having the vehicle towed with the rear axle raised.</p> <p>If the electric parking brake is not applied automatically:</p> <p>► Switch the vehicle off and then back on.</p> <p>► Release and then apply the electric parking brake manually (→ page 200).</p> <p>To release:</p>

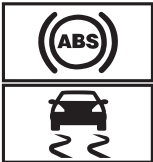
Display messages	Possible causes/consequences and ► Solutions
	<p>► If the conditions for automatic release are fulfilled and the electric parking brake is not released automatically, release the electric parking brake manually (→ page 200).</p> <p>If it is still not possible to release the electric parking brake:</p> <p>► Do not continue driving. Consult a qualified specialist workshop.</p>
 <p>Release parking brake</p>	<p>* The red  indicator lamp is flashing.</p> <p>The electric parking brake is applied while you are driving:</p> <ul style="list-style-type: none"> • A condition for automatic release of the electric parking brake has not been fulfilled (→ page 200). • You are performing emergency braking using the electric parking brake (→ page 201). <p>► Check the conditions for automatic release of the electric parking brake.</p> <p>► Release the electric parking brake manually.</p>
 <p>Parking brake Switch on vehicle to release</p>	<p>* The red  indicator lamp is lit.</p> <p>You have attempted to release the electric parking brake with the vehicle switched off.</p> <p>► Establish operational readiness.</p>

Driving and driving safety systems


Display messages	Possible causes/consequences and ► Solutions
 <p>Aufmerksam bleiben! (white display message)</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected that the driver is looking away from the situation on the road (→ page 210). A warning tone will also sound. ► Focus on the road again.
 <p>Aufmerksam bleiben, sonst wird Nothalt eingeleitet (yellow display message)</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected that the driver is not paying attention to the traffic situation after a warning has been issued (→ page 210). A continuous warning tone will also sound. ► Immediately return your attention to the traffic situation. ► Press the right-hand Touch Control and acknowledge the display message. <p>If the driver still does not react to the warning, an emergency stop can be initiated by the system (→ page 226).</p>
 <p>ATTENTION ASSIST: Take a break!</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 210). ► If necessary, take a break.


Display messages	Possible causes/consequences and ► Solutions
 <p>ATTENTION ASSIST Micro-sleep Take a break!</p>	<p>* ATTENTION ASSIST has detected indicators of microsleep (→ page 210). A warning tone will also sound.</p> <ul style="list-style-type: none"> ► Take a break immediately. ► Press the right-hand Touch Control and acknowledge the display message.
 <p>ATTENTION ASSIST restricted: interior camera view limited</p>	<p>* The view of the multifunction interior camera is limited. Possible causes:</p> <ul style="list-style-type: none"> • Objects or stickers are projecting into the multifunction interior camera's field of vision. • The multifunction interior camera is dirty. <ul style="list-style-type: none"> ► Keep the multifunction interior camera's field of vision free. ► Pay attention to the system limits of the multifunction interior camera (→ page 309). ► Clean the multifunction interior camera if necessary. Please comply with the notes on caring for the interior relating to the display (→ page 417).
 <p>ATTENTION ASSIST currently restricted See Owner's Manual</p>	<p>* ATTENTION ASSIST is temporarily unavailable or only partially available. The ambient conditions are outside the system limits (→ page 210). Once the cause of the problem is no longer present, the system will be available again.</p> <ul style="list-style-type: none"> ► Drive on or ► Stop in accordance with the traffic conditions and re-establish operational readiness.




Display messages	Possible causes/consequences and ► Solutions
 <p>ATTENTION ASSIST restricted: interior camera currently unavailable</p>	<p>► If the display message still appears, consult a qualified specialist workshop.</p> <p>* ATTENTION ASSIST is temporarily unavailable or only partially available. The ambient conditions of the multifunction interior camera are outside the system limits (→ page 309). Once the cause of the problem is no longer present, the system will be available again.</p> <p>► Drive on. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message still appears, consult a qualified specialist workshop.</p>
 <p>ATTENTION ASSIST limited Camera inoperative Consult workshop</p>	<p>* The multifunction interior camera is malfunctioning. ATTENTION ASSIST is temporarily unavailable or only partially available.</p> <p>► Consult a qualified specialist workshop.</p>

Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="128 184 324 394">  </div> <p data-bbox="118 405 451 505">currently unavailable See Owner's Manual (ABS and ESP®)</p>	<p data-bbox="527 184 1978 301">* ABS and ESP® are temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be temporarily unavailable. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div data-bbox="553 322 1984 629"> <p data-bbox="568 337 1385 370">⚠ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p> <p data-bbox="574 391 1855 498">The wheels may lock during braking and ESP® does not perform any vehicle stabilisation. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul data-bbox="574 508 1902 619" style="list-style-type: none"> ► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully. </div> <div data-bbox="553 650 1923 726"> <ul style="list-style-type: none"> ► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully. </div>

Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="65 184 261 288"></div> <div data-bbox="65 293 261 396"></div> <p data-bbox="53 405 359 472">inoperative See Owner's Manual (ABS and ESP®)</p>	<p data-bbox="466 184 1913 303">* ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div data-bbox="500 334 1324 370"> <p>▲ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p> </div> <div data-bbox="508 389 1900 422"> <p>The wheels may block during braking and ESP® does not perform any vehicle stabilization.</p> </div> <div data-bbox="508 433 1900 498"> <p>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> </div> <div data-bbox="508 508 1475 588"> <ul style="list-style-type: none"> ► Drive on carefully. ► Have ABS and ESP® checked immediately at a qualified specialist workshop. </div> <div data-bbox="486 619 1160 695"> <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop immediately. </div>
<div data-bbox="65 717 261 821"></div> <p data-bbox="53 829 369 897">currently unavailable See Owner's Manual (ESP®)</p>	<p data-bbox="466 717 1549 793">* ESP® is temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <div data-bbox="500 824 1193 860"> <p>▲ WARNING Risk of skidding if ESP is malfunctioning®</p> </div> <p data-bbox="508 879 1886 938">If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p>

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully. <ul style="list-style-type: none"> ► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.
 <p data-bbox="118 542 425 609">inoperative See Owner's Manual (ESP®)</p>	<p data-bbox="527 428 1976 550">* ESP® is malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div data-bbox="553 567 1984 801" style="border: 1px solid black; padding: 10px;"> <p data-bbox="568 581 1259 615">⚠ WARNING Risk of skidding if ESP® is malfunctioning</p> <p data-bbox="574 636 1949 698">If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have ESP® checked at a qualified specialist workshop. </div> <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop immediately.



Display messages	Possible causes/consequences and ► Solutions
<div data-bbox="63 184 261 288">EBD</div> <div data-bbox="63 293 261 396">(ABS)</div> <div data-bbox="63 401 261 505">  </div> <p data-bbox="53 510 359 614">inoperative See Owner's Manual (EBD, ABS and ESP®)</p>	<p data-bbox="466 184 1549 262">* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <div data-bbox="492 282 1917 552"> <p data-bbox="502 293 1389 329">⚠ WARNING Risk of skidding if EBD, ABS and ESP® are malfunctioning</p> <p data-bbox="513 344 1602 381">The wheels may block during braking and ESP® does not perform any vehicle stabilization.</p> <p data-bbox="513 391 1794 458">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul data-bbox="513 469 1508 541" style="list-style-type: none"> ► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop. </div>
<div data-bbox="63 674 261 778">HOLD</div> <p data-bbox="53 785 94 811">Off</p>	<p data-bbox="466 671 1786 702">* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.</p> <ul data-bbox="486 712 1835 743" style="list-style-type: none"> ► Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 208).


Display messages	Possible causes/consequences and ► Solutions
 <p>--- km/h</p>	<ul style="list-style-type: none"> * Cruise control cannot be activated because not all activation conditions are fulfilled. <ul style="list-style-type: none"> ► Observe the activation conditions for cruise control (→ page 213).
Cruise control inoperative	<ul style="list-style-type: none"> * Cruise control is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Cruise control and Limiter inoperative	<ul style="list-style-type: none"> * Cruise control and the limiter are malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Cruise control off	<ul style="list-style-type: none"> * Cruise control has been deactivated. If there is an additional warning tone, cruise control has been deactivated automatically (→ page 212).
 <p>--- km/h</p>	<ul style="list-style-type: none"> * The limiter can temporarily not be engaged. Once the cause of the problem is no longer present, the system will be available again.
 <p>passive</p>	<ul style="list-style-type: none"> * If you depress the accelerator pedal beyond the point of resistance (kickdown), the limiter will be switched to passive mode (→ page 212).

Display messages	Possible causes/consequences and ► Solutions
<p>Limiter inoperative</p>	<ul style="list-style-type: none"> * The limiter is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<div data-bbox="65 277 261 381" data-label="Image"> </div> <p>Maximum speed exceeded</p>	<ul style="list-style-type: none"> * You have exceeded the maximum permissible speed (for certain countries only). <ul style="list-style-type: none"> ► Drive more slowly.
<p>Traffic Sign Assist currently unavailable See Owner's Manual</p>	<ul style="list-style-type: none"> * Traffic Sign Assist is temporarily unavailable. Once the cause of the problem is no longer present, the system will be available again. <ul style="list-style-type: none"> ► Continue driving in compliance with the traffic regulations.
<p>Traffic Sign Assist inoperative</p>	<ul style="list-style-type: none"> * Traffic Sign Assist is malfunctioning. <ul style="list-style-type: none"> ► Continue driving in compliance with the traffic regulations. or <ul style="list-style-type: none"> ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.


Driver assistance systems

Display messages	Possible causes/consequences and ► Solutions
<p>Driver assistance systems not yet ready Please drive carefully See Owner's Manual</p>	<p>* The driver assistance systems will be re-initialised after the vehicle has been non-operational for an extended period. This is not a system error, but a restart of the driver assistance systems. Further display messages may be displayed in addition.</p> <p>The following driver assistance systems are temporarily unavailable:</p> <ul style="list-style-type: none"> • Emergency stop function • Traffic Sign Assist • Cruise control • Limiter • Brake Assist • Blind Spot Assist with exit warning • Blind Spot Assist without exit warning • Exit warning • 360° camera • PARKTRONIC • Parking Assist • Reversing Assist • Lane keeping function

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> • Lane Change Assist • Steer Assist • Speed limit function • Distance Assist DISTRONIC • PRE-SAFE® PLUS • ECO Assist <p>► Drive on carefully while paying attention to the vehicle's surroundings. After a few minutes, the Driver assistance systems now available display message will appear.</p> <p>or</p> <p>► If the display message does not disappear, stop the vehicle safely and re-establish operational readiness.</p>
 <p>--- km/h</p>	<p>* Distance Assist DISTRONIC cannot be activated because not all activation conditions are fulfilled.</p> <p>► Comply with the activation conditions for Distance Assist DISTRONIC (→ page 218).</p>
 <p>suspended</p>	<p>* If you depress the accelerator pedal beyond the Distance Assist DISTRONIC setting, the system will switch to passive mode (→ page 215).</p>


Display messages	Possible causes/consequences and ► Solutions
 <p>Off</p>	<p>* Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Distance Assist DISTRONIC has deactivated automatically (→ page 218).</p>
<p>Active Distance Assist currently unavailable See Owner's Manual</p>	<p>* Distance Assist DISTRONIC is temporarily unavailable. The ambient conditions are outside the system limits (→ page 215). As soon as the ambient conditions are within the system limits, the system will become available again.</p> <p>► Drive on carefully. or ► If the display message does not disappear, stop the vehicle safely and re-establish operational readiness.</p>
<p>Active Distance Assist inoperative</p>	<p>* Distance Assist DISTRONIC and the emergency stop function are malfunctioning. Other driving systems and driving safety systems may also be malfunctioning.</p> <p>► Drive on carefully. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.</p>
<p>Active Distance Assist available again</p>	<p>* Distance Assist DISTRONIC is operational again.</p> <p>► Switch on Distance Assist DISTRONIC (→ page 218).</p>



Display messages	Possible causes/consequences and ► Solutions
<p>Active Brake Assist Functions currently limited See Owner's Manual</p>	<p>* The following functions may be temporarily unavailable or only partially available:</p> <ul style="list-style-type: none"> • Brake Assist • PRE-SAFE® PLUS <p>The ambient conditions are outside the system limits (→ page 230).</p> <p>Vehicles with PRE-SAFE®PLUS: Brake Assist is temporarily unavailable.</p> <p>► Drive on carefully. As soon as the ambient conditions are within the system limits, the system will become available again.</p> <p>or</p> <p>► If the display message does not disappear, stop the vehicle safely and re-establish operational readiness.</p>
<p>Active Brake Assist Functions limited See Owner's Manual</p>	<p>* The following functions may be temporarily unavailable or only partially available:</p> <ul style="list-style-type: none"> • Brake Assist • PRE-SAFE® PLUS <p>Vehicles with PRE-SAFE®PLUS: Brake Assist is temporarily unavailable or only partially available.</p> <p>► Drive on carefully.</p> <p>or</p> <p>► Stop in accordance with the traffic conditions and re-establish operational readiness.</p> <p>► If the display message does not disappear: consult a qualified specialist workshop.</p>


Display messages	Possible causes/consequences and ► Solutions
Active Steering Assist currently unavailable See Owner's Manual	<p>* Steering Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 224). As soon as the ambient conditions are within the system limits, the system will become available again.</p> <ul style="list-style-type: none"> ► Drive on. ► Check the tyre pressure if necessary.
Active Steering Assist inoperative	<p>* Steering Assist and the emergency stop function are malfunctioning. Distance Assist DISTRONIC remains available.</p> <ul style="list-style-type: none"> ► Drive on. <p>or</p> <ul style="list-style-type: none"> ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.
	<p>* Steering Assist has reached the system limit (→ page 224) or your hands are not on the steering wheel while Lane Keeping Assist intervenes (→ page 228). You have not steered independently for a considerable period of time.</p> <ul style="list-style-type: none"> ► Take over the steering and drive on in accordance with the traffic conditions.
Active Steering Assist currently unavailable due to multiple emergency stops	<p>* Steering Assist is temporarily unavailable due to multiple emergency stops.</p> <ul style="list-style-type: none"> ► Take over the steering and stop in accordance with the traffic conditions. ► Re-establish operational readiness. Steering Assist is available again.

Display messages	Possible causes/consequences and ► Solutions
<p>Emergency stop initiated To cancel: operate steering wheel and a pedal</p>	<p>* No driver activity (e.g. steering or accelerating) was detected for an extended period. The emergency stop function initiates an emergency stop (→ page 224).</p> <ul style="list-style-type: none"> ► Put your hands on the steering wheel. ► Make a deliberate steering movement. ► Accelerate or brake. <p>Information on cancelling an emergency stop (→ page 226).</p>
<p>Active Emergency Stop Assist currently unavailable See Owner's Manual</p>	<p>* The emergency stop function is temporarily unavailable. The ambient conditions are outside the system limits (→ page 226). As soon as the ambient conditions are within the system limits, the system will become available again.</p> <ul style="list-style-type: none"> ► Drive on. or ► If the display message does not disappear, stop the vehicle safely and re-establish operational readiness.
<p>Active Emergency Stop Assist inoperative</p>	<p>* The emergency stop function is malfunctioning.</p> <ul style="list-style-type: none"> ► Drive on. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
Blind Spot Assist and exit warning inoperative	<ul style="list-style-type: none"> * Blind Spot Assist with exit warning is malfunctioning. <ul style="list-style-type: none"> ► Drive on. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.
Active Blind Spot Assist and exit warning inoperative	<ul style="list-style-type: none"> * Blind Spot Assist with exit warning is malfunctioning. <ul style="list-style-type: none"> ► Drive on. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.
Active Lane Keeping Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * The lane keeping function is temporarily unavailable. The ambient conditions are outside the system limits (→ page 243). As soon as the ambient conditions are within the system limits, the system will become available again. <ul style="list-style-type: none"> ► Drive on.
Active Lane Keeping Assist inoperative	<ul style="list-style-type: none"> * Lane Keeping Assist is malfunctioning. <ul style="list-style-type: none"> ► Drive on. or ► Stop in accordance with the traffic conditions and re-establish operational readiness.

Display messages	Possible causes/consequences and ► Solutions
<p>Active Lane Keeping Assist functions restricted See Owner's Manual</p>	<p>► If the display message does not disappear: consult a qualified specialist workshop.</p> <p>* Lane Keeping Assist is partially available.</p> <p>► Drive on. or</p> <p>► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.</p>
 <p>temporarily unavailable Sensors dirty</p>	<p>* Front and corner radar sensors (hereafter "sensors") are malfunctioning. Possible causes:</p> <ul style="list-style-type: none"> • The sensors are dirty • Heavy rain or snow • Extended country driving without other traffic (e.g. in the desert) <p>Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The emergency stop function may not be available. The brake system, steering and drive system will continue to function normally.</p> <p>► Drive on carefully.</p> <p>Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off.</p> <p>If the display message does not disappear:</p> <p>► Stop the vehicle in accordance with the traffic conditions. ► Clean all sensor covers from the outside (→ page 203).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 878 408 942">Camera view restricted See Owner's Manual</p>	<p data-bbox="553 180 1017 213">► Re-establish operational readiness.</p> <p data-bbox="527 232 1412 265">* Visibility of the cameras in the windscreen is reduced. Possible causes:</p> <ul data-bbox="560 280 1913 428" style="list-style-type: none"> • Dirt on the windscreen in the field of vision of the cameras • Heavy rain, snow or fog • Mist on the inside or outside of the windscreen: in certain weather conditions, mist can form on the inside or outside of the windscreen during cold times of year in particular. <p data-bbox="553 449 1882 513">❗ This mist on the windscreen will be removed automatically within a short time with the aid of a heater. The restriction is temporary.</p> <p data-bbox="553 526 1929 590">Driving systems and driving safety systems may be malfunctioning or temporarily unavailable. The emergency stop function may not be available. The brake system, steering and drive system will continue to function normally.</p> <p data-bbox="553 602 813 636">► Drive on carefully.</p> <p data-bbox="553 648 1310 681">► To remove mist from the outside, wipe once (→ page 149).</p> <p data-bbox="553 694 1357 727">► To remove the mist from the inside, press  (→ page 158).</p> <p data-bbox="553 754 1978 818">Once the causes of the problem are no longer present, the driving systems and driving safety systems will be available again and the corresponding symbols will be switched off.</p> <p data-bbox="553 830 1616 864">If the display message does not disappear even after a driving time of about 15 minutes:</p> <p data-bbox="553 876 1289 909">► Stop the vehicle in accordance with the traffic conditions.</p> <p data-bbox="553 922 1549 955">► Clean the windscreen, especially in the position of the cameras (→ page 203).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Restricted during trailer operation</p>	<p>► Re-establish operational readiness.</p> <p>* When the trailer socket is occupied, some driving systems will be available only to a limited extent.</p> <p>► Drive carefully if you are towing a trailer or have the bicycle rack mounted.</p>
<p>PRE-SAFE inoperative See Owner's Manual</p>	<p>* The PRE-SAFE® functions are malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>
<p>PRE-SAFE PLUS inoperative See Owner's Manual</p>	<p>* The PRE-SAFE® PLUS system is malfunctioning.</p> <p>► Drive on or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message does not disappear: consult a qualified specialist workshop.</p>


Parking assistance systems

Display messages	Possible causes/consequences and ► Solutions
Rear parking assistance unavailable in trailer operation	<ul style="list-style-type: none"> * If transport equipment (e.g. trailer or bicycle rack) is attached to the trailer hitch and the electrical connection is correctly established, rear PARKTRONIC is not available when the vehicle is reversing. The rear manoeuvring assistant will also be unavailable in this situation. <ul style="list-style-type: none"> ► Press the right-hand Touch Control and acknowledge the display message.
Parking procedure aborted	<ul style="list-style-type: none"> * The Parking Assist parking assistance systems were interrupted. You have e.g. opened the driver's door or touched the steering wheel. <ul style="list-style-type: none"> ► Steer and brake manually.
Parking camera and parking assistance inoperative	<ul style="list-style-type: none"> * The parking camera, Parking Assist and PARKTRONIC are malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Limited parking assistance available	<ul style="list-style-type: none"> * Parking Assist and PARKTRONIC are temporarily unavailable or only partially available. The ambient conditions are outside the system limits (→ page 254). Once the cause of the problem is no longer present, the system will be available again. <ul style="list-style-type: none"> ► Continue driving while paying attention to the vehicle's surroundings. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message still appears, consult a qualified specialist workshop.

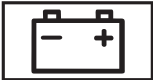

Display messages	Possible causes/consequences and ► Solutions
Parking assistance inoperative	<p>* Parking Assist and PARKTRONIC are malfunctioning. Once the cause of the problem is no longer present, the system will be available again.</p> <p>► Continue driving while paying attention to the vehicle's surroundings.</p> <p>or</p> <p>► Stop in accordance with the traffic conditions and re-establish operational readiness.</p> <p>► If the display message still appears, consult a qualified specialist workshop.</p>
PARKTRONIC inoperative See Owner's Manual	<p>* PARKTRONIC is malfunctioning. Once the cause of the problem is no longer present, the system will be available again.</p> <p>► Continue driving while paying attention to the vehicle's surroundings.</p> <p>or</p> <p>► Stop in accordance with the traffic conditions and re-establish operational readiness.</p> <p>► If the display message still appears, consult a qualified specialist workshop.</p>
PARKTRONIC and manoeuvring assistant unavailable at rear when towing a trailer	<p>* If transport equipment (e.g. a trailer or bicycle rack) is attached to the trailer hitch and the electrical connection is correctly established, Parking Assist PARKTRONIC will not be available at the rear when you are reversing. The rear manoeuvring assistant will also be unavailable in this situation.</p> <p>► Press the right-hand Touch Control and acknowledge the display message.</p>

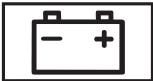

Display messages	Possible causes/consequences and ► Solutions
Active Parking Assist and PARKTRONIC inoperative See Owner's Manual	<ul style="list-style-type: none"> * Parking Assist and PARKTRONIC are malfunctioning. Once the cause of the problem is no longer present, the system will be available again. ► Continue driving while paying attention to the vehicle's surroundings. or ► Stop in accordance with the traffic conditions and re-establish operational readiness. ► If the display message still appears, consult a qualified specialist workshop.
Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual	<ul style="list-style-type: none"> * The Parking Assist manoeuvring assistant is temporarily unavailable or only partially available. ► Clean all sensors of the parking and camera system (→ page 415). ► If the display message still appears, consult a qualified specialist workshop.

Mercedes-Benz emergency call system

Display messages	Possible causes/consequences and ► Solutions
 Inoperative	<ul style="list-style-type: none"> * The Mercedes-Benz emergency call system is malfunctioning. The Mercedes-Benz Connect system is also malfunctioning. ► Consult a qualified specialist workshop.



Battery



Display messages	Possible causes/consequences and ► Solutions
 <p>12 V on-board electrical system Visit workshop</p>	<p>* The 12 V on-board electrical system is malfunctioning.</p> <p>► Consult a qualified specialist workshop immediately.</p>
 <p>Stop vehicle See Owner's Manual</p>	<p>* The 12 V on-board electrical system is malfunctioning.</p> <div data-bbox="492 498 1923 648"> <p>! NOTE Possible damage to the drive system if you continue driving</p> <ul style="list-style-type: none"> ► Do not continue driving. ► Consult a qualified specialist workshop. </div> <p>► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p> <p>► Switch off the vehicle.</p> <p>► Consult a qualified specialist workshop.</p>



Display messages	Possible causes/consequences and ► Solutions
 <p>Start the vehicle to charge the 12 V battery</p>	<p>* The vehicle is off and the state of charge of the 12 V battery is too low. The state of charge of the high-voltage battery is too low for charging the 12 V battery.</p> <ul style="list-style-type: none"> ► Switch off any electrical consumers that are not required (e.g. multimedia system). ► Charge the vehicle when it is parked at a charging station (→ page 179). <p>If the 12 V battery is still discharged, it switches off completely after a while:</p> <ul style="list-style-type: none"> • The vehicle can then no longer be locked • The windows and sliding sunroof can no longer be closed • The remote services function is no longer ensured <p>If it is not possible to charge the vehicle:</p> <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions and secure. ► Consult a qualified specialist workshop.
 <p>Stop vehicle Leave vehicle on to charge the 12 V battery</p>	<p>* The state of charge of the 12 V battery is too low.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Leave the vehicle switched on. ► If the display message disappears: drive on. ► If the display message does not disappear: consult a qualified specialist workshop.

Tyre pressure monitor

Display messages	Possible causes/consequences and ► Solutions
Tyre press. monitor currently unavailable	<ul style="list-style-type: none"> * There is interference from a powerful radio signal source. As a result, no signals from the tyre pressure sensors are being received. The tyre pressure monitoring system is temporarily unavailable. The tyre pressure monitoring system will restart automatically as soon as the cause has been rectified. <p>► Drive on</p>
Tyre press. monitor inoperative	<ul style="list-style-type: none"> * The tyre pressure monitoring system is malfunctioning. <div> <p>⚠ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> <p>The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p> <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p> </div> <p>► Consult a qualified specialist workshop.</p>
Tyre pressure monitor inoperative No tyre pressure sensors	<ul style="list-style-type: none"> * The wheels fitted do not have suitable tyre pressure sensors. The tyre pressure monitoring system is deactivated. <p>► Fit wheels with suitable tyre pressure sensors.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p>Wheel sensor(s) missing</p>	<p>* There is no signal from the tyre pressure sensor in at least one wheel. No pressure value is displayed for the affected tyre.</p> <p>► Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.</p>
 <p>Check tyre(s)</p>	<p>* The tyre pressure in one or more tyres has dropped significantly. The wheel position is displayed. A warning tone will also sound.</p> <div data-bbox="553 453 1984 785"> <p>⚠ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none"> • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures.</p> <p>► Adjust the tyre pressure if necessary.</p> </div> <p>► Stop the vehicle in accordance with the traffic conditions.</p> <p>► Check the tyre pressure (→ page 438) and the tyres.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 314 329">Rectify tyre pressure</p>	<p data-bbox="466 182 1835 246">* The tyre pressure is too low in at least one of the tyres, or the difference in tyre pressure between the individual wheels is too great.</p> <ul style="list-style-type: none"> <li data-bbox="486 256 1132 290">► Check the tyre pressure and add air, if necessary. <li data-bbox="486 300 1535 333">► When the tyre pressure is correct, restart the tyre pressure monitor (→ page 440).
 <p data-bbox="53 474 369 505">Warning tyre malfunction</p>	<p data-bbox="466 358 1565 391">* The pressure in one or more tyres has dropped suddenly. The wheel position is displayed.</p> <div data-bbox="492 412 1923 774" style="border: 1px solid #ccc; padding: 10px;"> <p data-bbox="502 422 1259 455">⚠ WARNING Risk of an accident from driving with a flat tyre</p> <ul style="list-style-type: none"> <li data-bbox="519 472 1044 505">• The tyres can overheat and be damaged. <li data-bbox="519 515 1790 549">• The driving characteristics as well as the steering and braking characteristics may be greatly impaired. <p data-bbox="511 567 1017 598">You could then lose control of the vehicle.</p> <ul style="list-style-type: none"> <li data-bbox="511 609 891 642">► Do not drive with a flat tyre. <li data-bbox="511 652 1862 718">► Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tyre. <li data-bbox="511 729 936 762">► Observe the notes on flat tyres. </div> <p data-bbox="486 795 901 826">Notes on flat tyres (→ page 424).</p> <ul style="list-style-type: none"> <li data-bbox="486 837 1228 870">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="486 880 731 913">► Check the tyres.

Display messages	Possible causes/consequences and ► Solutions
 <p>Tyre(s) overheated</p>	<p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> <p>⚠ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p> <p>► Reduce your speed so that the tyres cool down.</p>
 <p>Reduce speed</p>	<p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> <p>⚠ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p> <p>► Reduce your speed so that the tyres cool down.</p>

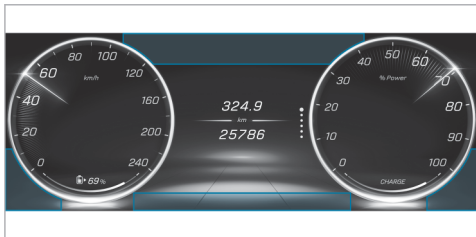
Warning and indicator lamps

Overview of indicator and warning lamps

Some systems will perform a self-test when the vehicle is switched on. Some indicator and warning lamps may briefly light up or flash. This behaviour is non-critical. These indicator and warning lamps indicate a malfunction only if they light up or flash after the vehicle has been started or during a journey.

The indicator and warning lamps are located in the highlighted display sections.

Widescreen cockpit driver display



Depending on the display settings, the positions of the indicator lamps on the driver display may differ from the example shown.

Indicator and warning lamps

Occupant safety



Restraint system (→ page 682)



Seat belt (→ page 682)



Occupant presence reminder (white)
(→ page 682)



Occupant presence reminder (yellow)
(→ page 682)

Drive system



Reduced power (→ page 684)



System error (→ page 684)



Electrical fault (→ page 684)

Vehicle



Trailer hitch (→ page 685)



Power steering (yellow) (→ page 685)



Power steering (red) (→ page 685)

Brakes



Electric parking brake (yellow)
(→ page 687)



Electric parking brake (red) (→ page 687)



Brakes (yellow) (→ page 687)



Brakes (red) (→ page 687)

Driving and driving safety systems



ABS (→ page 689)



ESP® (→ page 689)



ESP® OFF (→ page 689)



ATTENTION ASSIST (→ page 689)



Traffic Sign Assist (→ page 689)



Distance warning (→ page 689)



Brake Assist (→ page 689)



Brake Assist (→ page 689)




Indicator lamp inoperative

Mercedes-Benz emergency call system









Mercedes-Benz emergency call system
(→ page 693)




Tyre pressure monitoring system

-  Tyre pressure monitoring system
(→ page 693)

Exterior lighting

-  Side lights (→ page 140)
-  Low beam (→ page 140)
-  High beam (→ page 141)
-   Turn signal lights (→ page 141)
-  Rear fog light (→ page 140)

Symbols on the central display

-  Drive Away Assist
-  Rear cross traffic warning
-  Close-range braking (→ page 266)

Occupant safety

Warning/indicator lamp



Restraint system warning lamp

Possible causes/consequences and ► Solutions

* The restraint system red warning lamp is lit while the vehicle is on.

The restraint system is malfunctioning (→ page 43).



Automatic measures after an accident may not be activated as intended (→ page 51).

⚠ DANGER Risk of fatal injuries due to the restraint system malfunctioning




Components of the restraint system can be activated unintentionally or fail to trigger as intended in an accident.


► Have the restraint system checked and repaired immediately at a qualified specialist workshop.

Recognition of a restraint system fault:

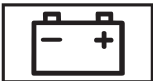

- The restraint system warning lamp  does not light up when the vehicle is switched on.
- The restraint system warning lamp  lights up continuously or repeatedly when operational readiness is established and while the vehicle is in motion.


- Drive on carefully.
- Note the messages on the driver display.
- Consult a qualified specialist workshop immediately.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Seat belt warning lamp flashes</p>	<p>* The red seat belt warning lamp flashes and an intermittent warning tone sounds. The driver or front passenger has not fastened his/her seat belt while the vehicle is in motion.</p> <p>► Fasten your seat belt (→ page 43).</p> <p>There are objects on the front passenger seat.</p> <p>► Remove the objects from the front passenger seat.</p>
 <p>Seat belt warning lamp lights up</p>	<p>* The red seat belt warning lamp lights up once the vehicle has started. In addition, an intermittent warning tone may sound. The red seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.</p> <p>► Fasten your seat belt (→ page 43).</p> <p>If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit.</p>
 <p>Occupant presence detection warning lamp (white)</p>	<p>* The white occupant presence reminder warning lamp is lit. The occupant presence reminder is deactivated.</p>


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 301 380 366">Occupant presence detection warning lamp (yellow)</p>	<p data-bbox="447 182 1187 249">* The yellow occupant presence reminder warning lamp is lit. The occupant presence reminder is malfunctioning</p> <p data-bbox="466 254 1003 291">► Note the messages on the driver display.</p>



Drive system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 662 400 693">Electrical fault warning lamp</p>	<p data-bbox="447 542 972 610">* The red electrical fault warning lamp is lit. There is a fault with the electrics.</p> <p data-bbox="466 615 1003 651">► Note the messages on the driver display.</p>
 <p data-bbox="53 832 380 864">System error warning lamp</p>	<p data-bbox="447 713 1678 781">* The red system error warning lamp is lit while the vehicle is in a state of operational readiness READY. There is a malfunction in the drive system.</p> <p data-bbox="466 786 1003 822">► Note the messages on the driver display.</p>




Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Reduced-power warning lamp</p>	<p>* The yellow reduced-power warning lamp is on. Drive system power output is reduced.</p> <p>► Note the messages on the driver display.</p>


Vehicle

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Trailer hitch warning lamp</p>	<p>* The red trailer hitch warning lamp is lit. The trailer hitch is not operational.</p> <div data-bbox="533 627 1984 862"> <p>⚠ WARNING Risk of an accident if the ball neck is not locked</p> <p>The trailer may become detached.</p> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Uncouple the trailer and secure it against rolling away. ► Initiate a new swivelling procedure and do not re-couple the trailer until the display message disappears. </div> <p>► Note the messages on the driver display.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="57 301 339 363">Power steering warning lamp (yellow)</p>	<p data-bbox="451 184 1351 249">* The yellow power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <p data-bbox="466 256 1003 291">► Note the messages on the driver display.</p>
 <p data-bbox="57 501 339 563">Power steering warning lamp (red)</p>	<p data-bbox="451 384 1316 449">* The red power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning.</p> <div data-bbox="472 467 1923 692"> <p data-bbox="482 480 1259 514">⚠ WARNING Risk of accident if steering capability is impaired</p> <p data-bbox="492 532 1575 560">If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul data-bbox="492 570 1876 681" style="list-style-type: none"> <li data-bbox="492 570 1876 640">► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. <li data-bbox="492 646 1013 681">► Consult a qualified specialist workshop. </div> <p data-bbox="466 712 1003 746">► Note the messages on the driver display.</p>


Brakes



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Electric parking brake indicator lamp (red)</p>  <p>Electric parking brake indicator lamp (yellow)</p>	<p>* The red electric parking brake indicator lamp flashes or is lit.</p> <p>The yellow electric parking brake indicator lamp is also lit up in the event of a malfunction.</p> <p>► Note the messages on the driver display.</p>
 <p>Brakes warning lamp (yellow)</p>	<p>* The yellow brake system warning lamp is on while the vehicle is running.</p> <div data-bbox="533 671 1984 862"> <p>⚠ WARNING Risk of an accident due to a brake system malfunction</p> <p>If the brake system is malfunctioning, braking characteristics may be impaired.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop. </div> <p>The Hill Start Assist may be malfunctioning.</p> <p>► Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front.</p>



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Brakes warning lamp (red)</p>	<p>► If the driver's display shows a display message, observe it.</p> <p>► Consult a qualified specialist workshop.</p> <p>* The red brake system warning lamp is on while the vehicle is running.</p> <p>Possible causes:</p> <ul style="list-style-type: none"> • The brake force boosting is malfunctioning and the braking characteristics may be affected. • There is insufficient brake fluid in the brake fluid reservoir. <p>► Note the messages on the driver display.</p> <p>⚠ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> <p>If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.</p> <p>► Stop in a safe location immediately. Do not continue driving!</p> <p>► Consult a qualified specialist workshop.</p> <p>⚠ WARNING Risk of an accident due to low brake fluid level</p> <p>If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <p>► Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving.</p> <p>► Consult a qualified specialist workshop.</p>





Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>► Do not top up the brake fluid.</p>

Driving and driving safety systems


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>ABS warning lamp</p>	<p>* The yellow ABS warning lamp is on while the vehicle is running. ABS is malfunctioning.</p> <p>If an additional warning tone sounds, EBD is malfunctioning.</p> <p>Other driving systems and driving safety systems may also be malfunctioning.</p> <p>► Note the messages on the driver display.</p> <div data-bbox="533 640 1984 686" style="background-color: #f0f0f0; padding: 5px;"> <p>⚠ WARNING There is a risk of skidding if EBD or ABS is malfunctioning</p> </div> <div data-bbox="533 697 1964 733" style="background-color: #ffff00; padding: 5px;"> <p>The wheels may lock during braking.</p> </div> <div data-bbox="533 743 1964 811" style="background-color: #ffff00; padding: 5px;"> <p>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> </div> <p>► Drive on carefully.</p> <p>► Have the brake system checked immediately at a qualified specialist workshop.</p> <p>► Drive on carefully.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>► Consult a qualified specialist workshop.</p>
 <p>ESP® warning lamp flashes</p>	<p>* The yellow ESP® warning lamp flashes while the vehicle is in motion. One or more wheels have reached their grip limit (→ page 206).</p> <p>► Adapt your driving style to suit the road and weather conditions.</p>
 <p>ESP® warning lamp lights up</p>	<p>* The yellow ESP warning lamp ® is on while the vehicle is running. ESP® is malfunctioning.</p> <p>Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p>► Note the messages on the driver display.</p> <div data-bbox="472 588 1923 823" style="background-color: #f0f0f0; padding: 10px; border: 1px solid #ccc;"> <p>⚠ WARNING Risk of skidding if ESP® is malfunctioning</p> <p>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have ESP® checked at a qualified specialist workshop. </div> <p>► Drive on carefully.</p> <p>► Consult a qualified specialist workshop immediately.</p>


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="118 301 410 332">ESP® OFF warning lamp</p>	<p data-bbox="513 184 1357 249">* The yellow ESP® OFF warning lamp is lit while the vehicle is running. ESP® is deactivated.</p> <p data-bbox="529 263 1422 294">Other driving systems and driving safety systems may also be inoperative.</p> <div data-bbox="533 319 1984 629"> <p data-bbox="547 329 1365 363">⚠ WARNING Risk of skidding when driving with ESP® deactivated</p> <p data-bbox="553 381 1964 415">ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.</p> <ul data-bbox="553 425 1299 505" style="list-style-type: none"> <li data-bbox="553 425 815 456">► Drive on carefully. <li data-bbox="553 467 1299 505">► Deactivate ESP® only for as long as the situation requires. <p data-bbox="553 536 1187 567">If ESP® cannot be activated, ESP® is malfunctioning.</p> <ul data-bbox="553 578 1408 612" style="list-style-type: none"> <li data-bbox="553 578 1408 612">► Have ESP® checked immediately at a qualified specialist workshop. </div> <p data-bbox="529 650 1250 681">► Observe the notes on deactivating ESP® (→ page 206).</p>
 <p data-bbox="118 819 457 881">ATTENTION ASSIST warning lamp</p>	<p data-bbox="513 705 1050 767">* The ATTENTION ASSIST warning lamp is lit. ATTENTION ASSIST is malfunctioning.</p> <p data-bbox="529 778 1050 809">► Consult a qualified specialist workshop.</p>


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 376 363">Traffic Sign Assist warning lamp</p>	<p data-bbox="445 181 970 249">* The Traffic Sign Assist warning lamp is lit. Traffic Sign Assist is malfunctioning.</p> <p data-bbox="466 256 1003 291">► Note the messages on the driver display.</p>
 <p data-bbox="53 498 376 563">Warning lamp for distance warning</p>	<p data-bbox="445 383 1565 491">* The red distance warning lamp lights up while the vehicle is in motion. The distance to the vehicle in front is too small for the speed selected. If there is an additional warning tone, you are approaching an obstacle at too high a speed.</p> <p data-bbox="466 498 927 532">► Be prepared to brake immediately.</p> <p data-bbox="466 539 778 573">► Increase the distance.</p> <p data-bbox="466 594 1030 628">Function of Active Brake Assist (→ page 230).</p>
 <p data-bbox="53 764 376 798">Brake Assist warning lamp</p>	<p data-bbox="445 649 1719 715">* The Brake Assist warning lamp is lit. Due to dirty sensors or a malfunction, the system is not available or the range of functions is restricted.</p> <p data-bbox="466 723 1003 757">► Note the messages on the driver display.</p>
 <p data-bbox="53 933 376 967">Brake Assist warning lamp</p>	<p data-bbox="445 818 1739 926">* The Brake Assist warning lamp is lit. The system is switched off or the range of functions has been automatically restricted. This may be the case if the driver is not wearing a seat belt or another driving system has been activated.</p> <p data-bbox="466 933 1118 967">► Observe the notes on Brake Assist (→ page 230).</p>

Mercedes-Benz emergency call system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Mercedes-Benz emergency call system warning lamp</p>	<p>*The Mercedes-Benz emergency call system is malfunctioning. The Mercedes-Benz Connect system is also malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>

Tyre pressure monitor

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Tyre pressure monitoring system warning lamp flashes</p>	<p>*The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit. The tyre pressure monitoring system is malfunctioning.</p> <p>⚠ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> <p>The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p> <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 350 384 446">Tyre pressure monitoring system warning lamp lights up</p>	<p data-bbox="468 182 989 213">► Consult a qualified specialist workshop.</p> <p data-bbox="451 234 1627 298">* The yellow tyre pressure monitoring system warning lamp (pressure loss/malfunction) is lit. The tyre pressure monitoring system has detected tyre pressure loss in at least one of the tyres.</p> <div data-bbox="472 319 1923 648"><p data-bbox="482 329 1295 363">⚠ WARNING Risk of an accident due to insufficient tyre pressure</p><ul data-bbox="498 379 1902 498" style="list-style-type: none"><li data-bbox="498 379 1902 410">• The tyres can burst.<li data-bbox="498 420 1902 451">• The tyres can wear excessively and/or unevenly.<li data-bbox="498 462 1902 498">• The driving characteristics as well as the steering and braking may be greatly impaired.<p data-bbox="490 519 997 544">You could then lose control of the vehicle.</p><ul data-bbox="490 560 1050 638" style="list-style-type: none"><li data-bbox="490 560 1050 591">► Observe the recommended tyre pressures.<li data-bbox="490 601 1050 638">► Adjust the tyre pressure if necessary.</div> <p data-bbox="468 669 1210 700">► Stop the vehicle in accordance with the traffic conditions.</p> <p data-bbox="468 710 977 741">► Check the tyre pressure and the tyres.</p>

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




























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








































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























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


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






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Editorial team

You are welcome to forward any queries or suggestions you may have regarding this Owner's Manual to the technical editorial team at the following address:

Mercedes-Benz AG, HPC: CAC, Customer Service,
70546 Stuttgart, Germany

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Vehicle manufacturer

Mercedes-Benz AG

Mercedesstraße 120

70372 Stuttgart, Germany

As at 03.06.24



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