

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Molex	WCH-302d (control unit)	71220/ SDPPI/2020 7163				Molex	WCH-302e (control unit)	71669/ SDPPI/2020 7163

Manufacturer	Model designation	Radio equipment approval number	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	
						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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Schrader	BG3FP4 (tyre pressure sensor)	72765/ SDPPI/2021 7163	Schrader	AG3PF4 (tyre pressure sensor)	62396/ SDPPI/2020 7163	Veoneer	77GHz MMRV1 (radar sensor)	74749/ SDPPI/2021 7163
Schrader	DG6W2D4 (tyre pressure sensor)	57058/ SDPPI/2018 3612	Schrader	GG4T (tyre pressure sensor)	72023/ SDPPI/2020 7163	Veoneer	77V12CRN (radar sensor)	66830/ SDPPI/2020 7163
Schrader	MC34MA4 (tyre pressure monitor control unit)	25626/ SDPPI/2015 3612						

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
								<p>Dilarang melakuk an perubahan spesifikasi yang dapat menimbulkan gangguan fisik dan/atau elektromagnetik terhadap lingkungan sekitarnya</p>

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	MBCI2LS3PR1 (head unit)	51-91228

Manufacturer	Model designation	Radio equipment approval number
Bosch	MBCI2LS4PR1 (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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	RKE213E1 (Antennenverstärker)	55-13929	Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	51-90718	HELLA	RS6 (locking system)	51-98663
Continental Automotive	RKE223E1GNS (Antennenverstärker)	51-97825	Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	51-90717	Hirschmann	920287A (locking system)	51-62759
Continental Automotive	CMKG1 (Schließsystem)	51-87871	Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	51-90719	Hirschmann	920287B (locking system)	51-49357
Continental Automotive	CMKG2 (Schließsystem)	51-92059	Harman Becker	NTG7 HIGH-IL (Headunit)	51-89476	Hirschmann	920702A (locking system)	55-12320
Continental Automotive	MARS Keyless (Schließsystem)	55-13749	Harman Becker	NTG7 PRE-MIUMPLUS-IL (Headunit)	51-89475	Huf Baolong	TSSRE4A (tyre pressure sensor)	63-63571
			HELLA	DM4 (locking system)	55-14271	Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	63-66757

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
HUF	HUF13145 (locking system)	55-14153	MARQUARDT	3350.38 (locking system)	55-14331	Schrader	BG3FP4 (tyre pressure sensor)	51-77898
LEOPOLD KOSTAL	KK1 (locking system)	51-87872	MARQUARDT	MK1 (locking system)	51-94449	Schrader	DG6W2D4 (tyre pressure sensor)	51-64111
MARQUARDT	DC12A (locking system)	55-13847	MARQUARDT	MK2 (locking system)	51-94450	Schrader	GG4T (tyre pressure sensor)	55-09441
MARQUARDT	DC12B (locking system)	55-12215	MARQUARDT	MK3 (locking system)	56-03260	Schrader	MC34MA4 (tyre pressure monitor control unit)	51-29611
MARQUARDT	DC12K (locking system)	55-12214	MARQUARDT	MU3 (locking system)	51-97974	Schrader	MFR (tyre pressure monitor control unit)	55-06040
MARQUARDT	MS2 (locking system)	51-85192	Schrader	AG3PF4 (tyre pressure sensor)	51-78338			
MARQUARDT	MS5 (locking system)	51-86840	Schrader	AG5SP4 (tyre pressure sensor)	51-73152			

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)	TMWK221100 4648KR
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	003-230113
Continental Automotive Technologies	NTG7Q PREMIUM 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: NTG7QMIDLF2
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IC: NTG7QHIGLF2
Continental Automotive Technologies	NTG7Q PREMIUM 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 PREMIUM 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 ANTR 2022-08-03
ADC	ARS4-C (radar sensor)	MR 20231 ANTR 2019-06-27

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
ADC	ARS441DP10 (radar sensor)	MR 20231 ANRT 2019-06-27	Continental Antenna	RKE213E1 (aerial amplifier)	MR 10631 ANTR 2015-07-16
Bosch	FR5CPCCF (radar sensor)	MR 20575 ANRT 2019-07-29	Continental Antenna	RKE223E1GN S (aerial amplifier)	MR 21174 ANTR 2019-10-14
Bosch	LRR3 (radar sensor)	MR 5371 ANRT 2010 2019-12-05	Continental Automotive	CMKG1 (locking system)	MR 21701 ANTR 2019-12-05
Bosch	MRR1Rear (radar sensor)	MR 9186 ANTR 2014-04-22	Continental Automotive	CMKG2 (locking system)	MR 36542 ANRT 2023-02-01
Bosch	MRRe14FCR (radar sensor)	MR 13900 ANTR 2017-05-04	Continental Automotive	MARS Keyless (locking system)	MR 13681 ANTR 2017-04-04
Bosch	F5CP12 (radar sensor)	MR00032137 ANRT2022	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 ANRT 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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	MR 10645 ANTR 2015-07-21	MARQUARDT	MUB1 (locking system)	MR 00000864 ANTR 2024-02-29	Schrader	MFR3 (tyre pressure monitor control unit)	MR 19527 ANRT 2019
MARQUARDT	MK2 (locking system)	MR 10987 ANTR 2015-10-22	Schrader	AG5SP4 (tyre pressure monitor control unit)	MR 10216 ANRT 2015	Schrader	GG4T (tyre pressure sensor)	MR 14777 ANRT 2017-09-20
MARQUARDT	MK3 (locking system)	MR 00041098 ANTR 2023-12-25	Schrader	AG3PF4 (tyre pressure sensor)	MR 19241 ANRT 2019	Schrader	DG6W2D4 (tyre pressure sensor)	MR 16355 ANRT 2018-04-19
MARQUARDT	MU3 (locking system)	MR 00039580 ANTR 2023-08-08	Schrader	BG3FP4 (tyre pressure sensor)	MR00026829 ANRT2020	Schrader	MC34MA4 (tyre pressure monitor control unit)	MR 6706 ANRT 2011-11-17
MARQUARDT	3350.38 (locking system)	MR 18817 ANTR 2019-02-12	Schrader	MFR (tyre pressure monitor control unit)	MR 10927 ANRT 2015	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: SYC-OAR22-17289
ADC	ARS4-C (radar sensor)	IFETEL: RLCVCOR19-1062
ADC	ARS441DP10 (radar sensor)	IFETEL: RLCVCOR19-1062

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	IFETEL: RCPBOLR09-0828
Bosch	MRR1Rear (radar sensor)	IFETEL: RCPBOMR14-0922
Bosch	MRRe14FCR (radar sensor)	IFETEL: RCPBOMR17-0598
Continental Antenna	RKE213E1 (aerial amplifier)	IFETEL: RLVKARK15-1741

								
Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	IFETEL: RLCORK19-2174	Continental Automotive	UWBTRX1 (locking system)	IFETEL: MECOCM22-17609	Gentex	MUAHL 5 (convenience system)	IFETEL: RCPGEMU15-0448
Continental Automotive	CMKG1 (locking system)	IFETEL: RCPCCOCM19-2315	Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	IFETEL: MEMENT23 - 12200	HELLA	DM4 (locking system)	IFETEL: RLVHEDM17-10
Continental Automotive	CMKG2 (locking system)	IFETEL: COCOCM22-31003	Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	IFETEL: MEMENT23 - 11923	Hirschmann	920287A (locking system)	IFETEL: RLVHI9211-0 472
Continental Automotive	MARS Keyless (locking system)	IFETEL: RLVDAMA18-1827	Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	IFETEL: MEMENT23 - 12204	Hirschmann	920287B (locking system)	IFETEL: RLVHI9212-0 608

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	IFETEL: RLVHII9222-2674
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: RLVHUUH12-1587
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: RLVMADC11-0446
MARQUARDT	MS2 (locking system)	IFETEL: RLVMAAMS17-0222
MARQUARDT	MS4 (locking system)	IFETEL: RLVMAAMS19-0449
MARQUARDT	MS5 (locking system)	IFETEL: RLVMEMS20-0957

		
Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	IFETEL: RLV MAM K15-1042
MARQUARDT	MK2 (locking system)	IFETEL: RLV MAM K15-1043
MARQUARDT	3350.38 (locking system)	IFETEL: RCP M A3319-0530
Schrader	AG5SP4 (tyre pressure sensor)	IFETEL: RCP SCAG15-0627

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	AG3PF4 (tyre pressure sensor)	IFETEL: RLV SCAG19-0705
Schrader	BG3FP4 (tyre pressure sensor)	IFETEL: RLV SCBG21-0750
Schrader	MFR (tyre pressure monitor control unit)	IFETEL: RLV SCMF15-0959
Schrader	MFR3 (tyre pressure monitor control unit)	IFETEL: RLV SCMF19-0777

		
Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure sensor)	IFETEL: RLV SCGG17-1665
Schrader	DG6W2D4 (tyre pressure sensor)	IFETEL: RLV SC DG18-04
Schrader	MC34MA4 (tyre pressure monitor control unit)	IFETEL: RCP SC MR14-062
Sennheiser	M3IETW2R (Earbud)	IFETEL: RCP SEM320-0435-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

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

Niger

Regulatory radio identifiers

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	Manufacturer	Model designation	Manufacturer	Model designation
Continental Automotive	CMKG1 (locking system)	HUF	HUF4761 (locking system)	MARQUARDT	3350.38 (locking system)
Continental Automotive	CMKG2 (locking system)	LEOPOLD KOSTAL	KK1 (locking system)	Schrader	AG3PF4 (tyre pressure sensor)
Continental Automotive	MARS Keyless (locking system)	MARQUARDT	DC12A (locking system)	Schrader	BG3FP4 (tyre pressure sensor)
HELLA	DM4 (locking system)	MARQUARDT	DC12B (locking system)	Schrader	MFR3 (tyre pressure monitor control unit)
Hirschmann	920287A (locking system)	MARQUARDT	DC12K (locking system)	Veoneer	77V12BSM (radar sensor)
Hirschmann	920287B (locking system)	MARQUARDT	MS2 (locking system)	Veoneer	77V12CRN (radar sensor)
Hirschmann	920702A (locking system)	MARQUARDT	MS4 (locking system)	Veoneer	77V125CRN (radar sensor)
HUF	HUF13145 (locking system)	MARQUARDT	MS5 (locking system)	WITTE-Velbert	SDHTAG3NFC (locking system)
HUF	HUF14632 (locking system)	MARQUARDT	MK1 (locking system)	Vitesco	HFA30 (Handsfree-Access)
		MARQUARDT	MK2 (locking system)		
		MARQUARDT	MK3 (locking system)		
		MARQUARDT	MU3 (locking system)		

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	Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	TRA/TA-R/1849/14	Continental Automotive	CMKG2 (locking system)	TRA/TA-R/15164/23 D100428
Bosch	MRRe14FCR (radar sensor)	TRA/TA-R/4353/17	Continental Automotive	MARS Keyless (locking system)	TRA/TA-R/4158/17 D080134
Bosch	F5CP12 (radar sensor)	TRA/TA-R/13339/22	HELLA	DM4 (locking system)	TRA/TA-R/4548/17 D080134
Continental Antenna	RKE213E1 (aerial amplifier)	TRA/TA-R/2715/15 D090258	Hirschmann	920287A (locking system)	TRA/TA-R/0210/11 D080353
Continental Antenna	RKE223E1GN S (aerial amplifier)	TRA/TA-R/8337/19 D172338	Hirschmann	920287B (locking system)	TRA/TA-R/0655/12 D080353
Continental Automotive	CMKG1 (locking system)	TRA/TA-R/8642/19 D172338			

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	TRA/TA-R/13300/22 D172338	HUF	HUF4761 (locking system)	TRA/TA-R/0920/12	MARQUARDT	MS4 (locking system)	TRA/TA-R/7316/19 D172249
Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA/TA-R/4516/17 D100428	LEOPOLD KOSTAL	KK1 (locking system)	TRA/TA-R/3129/16	MARQUARDT	MS5 (locking system)	TRA/TA-R/17887/24 D172338
Huf Baolong	TSSSG4G6b (tyre pressure sensor)	TTRA/TA-R/7506/19	MARQUARDT	DC12A (locking system)	TRA/TA-RD/4056/17 D100428	MARQUARDT	MK1 (locking system)	TRA/TA-R/2848/15 D080353
HUF	HUF13145 (locking system)	TRA/TA-R/13465/22	MARQUARDT	DC12B (locking system)	TRA/TA-R/0227/11 D080353	MARQUARDT	MK2 (locking system)	TRA/TA-R/2900/15 D080353
HUF	HUF14632 (locking system)	TRA/TA-R/2665/15	MARQUARDT	DC12K (locking system)	TRA/TA-R/0228/11 D080353	MARQUARDT	MK3 (locking system)	TRA/TA-R/17223/23 D080354
			MARQUARDT	MS2 (locking system)	TRA/TA-R/4136/17 D080134			

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	TRA/TA-R/16494/23 D172338	Schrader	BG3FP4 (tyre pressure sensor)	TRA/TA-R/10694/20 D172338	Sennheiser	M3IETW2R (Earbud)	TRA/TA-R/10988/21
MARQUARDT	3350.38 (locking system)	TRA/TA-R/7051/19 D172249	Schrader	MFR (tyre pressure monitor control unit)	TRA/TA-R/7464/19 D090258	Sennheiser	BTT100 (Bluetooth Audio Transmitter)	TRA/TA-R/10976/21
MARQUARDT	MUB1 (locking system)	TRA/TA-R/17721/24 D172338	Schrader	MFR3 (tyre pressure monitor control unit)	TRA/TA-R/7467/19 D090258	Veoneer	77GHz MMRV1 (radar sensor)	TRA/TA-R/2706/15
Schrader	AG5SP4 (tyre pressure sensor)	TTRA R/2380/15 D080134	Schrader	GG4T (tyre pressure sensor)	TRA/TA-R/4686/17 D080134	Veoneer	77V12BSM (radar sensor)	TRA/TA-R/7706/19 D172338
Schrader	AG3PF4 (tyre pressure sensor)	TRA R/7287/19 D172338	Schrader	DG6W2D4 (tyre pressure sensor)	TRA/TA-R/5511/18 D172249	Veoneer	77V12CRN (radar sensor)	TRA/TA-R/7707/19 D172338
							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)	 CONATEL 2019-05-I-0271
ADC	ARS6-A (radar sensor)	 CONATEL 2022-08-I-0513

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

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Bosch	MRRe14FCR (radar sensor)	 2017-06-I-0000162	Continental Antenna	RKE213E1 (aerial amplifier)	 2021-02-I-00101 y 2016-02-I-0000038	Continental Automotive	CMKG1 (locking system)	 2020-02-I-0110
Bosch	MRR1Rear (radar sensor)	 2019-05-I-000236	Continental Antenna	RKE223E1GN S (aerial amplifier)	 2019-12-I-0656	Continental Automotive	CMKG2 (locking system)	 2023-03-I-0153
Bosch	F5CP12 (radar sensor)	 2022-05-I-0329				Continental Automotive	MARS Keyless (locking system)	 2017-05-I-0000136

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	D-WMI2016A	 2019-03-I-0170	Continental Automotive	D-WMI2020A	 2019-11-I-0600	Hirschmann	920287A (locking system)	 2016-5-I-000134 y 2011-06-I-0059
Continental Automotive	D-WMI2017A	 2019-03-I-000171	HELLA	DM4 (locking system)	 2022-06-I-0388 y 2017-08-I-0000261	Hirschmann	920287B (locking system)	 2017-04-I-0000119 y 2012-05-I-0096
Continental Automotive	D-WMI2017B	 2019-03-I-000172						

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920702A (locking system)	 2022-03-I-0149	HUF	HUF14632 (locking system)	 2020-06-I-0284 y 2015-08-I-0000226	LEOPOLD KOSTAL	KK1 (locking system)	 2015-06-I-0000181
Huf Baolong	TSSRE4A (tyre pressure sensor)	 2022-08-I-0528	HUF	HUF4761 (locking system)	 2017-12-I-0000409 y 2012-10-I-0178	MARQUARDT	DC12A (locking system)	 2020-12-I-0898 y 2015-06-I-0000181
HUF	HUF13145 (locking system)	 2022-04-I-0235						

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	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	MS2 (locking system)	 2017-04-I-0000101	MARQUARDT	MK1 (locking system)	 2020-07-I-0390 y 2015-07-I-0000200
MARQUARDT	DC12K (locking system)	 2021-05-I-0305; 2016-5-I-000143 y 2011-06-I-0068	MARQUARDT	MS4 (locking system)	 2019-10-I-0581	MARQUARDT	MK2 (locking system)	 2020-07-I-0391 y 2015-07-I-0000201
			MARQUARDT	MS5 (locking system)	 2020-08-I-0604			

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK3 (locking system)	 2024-03-I-0256	MARQUARDT	3350.38 (locking system)	 2024-02-I-0190 y 2019-04-I-000216	Schrader	AG3PF4 (tyre pressure sensor)	 2019-05-1-00261
MARQUARDT	MU3 (locking system)	 2023-08-I-0590	Schrader	AG5SP4 (tyre pressure sensor)	 2015-04-I-0000150	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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	 2019-11-1-06 32	Veoneer	77V12CRN (radar sensor)	 2019-07- I-0398	Valeo	ARTEMIS- SUB-01 (radar sensor)	 2024-01- I-0074
Veoneer	77GHz MMRV1 (radar sensor)	 2020-07- I-0510	Veoneer	77V125CRN (radar sensor)	 2021-04- I-0188	WITTE-Velbert	SDHTAG3NFC (locking sys- tem)	 2020-06- I-0326
Veoneer	77V12BSM (radar sensor)	 2019-07- I-0399	Vitesco	HFA30 (Handsfree- Access)	 2023-11- I-0808	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 Guaranés, 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	MRRe14FCR (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-2022599C

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 PREMIUM LF2 (head unit)	072488/AG/ER
Continental Automotive Technologies	NTG7Q PREMIUMPLUS 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)	И011 20
ADC	ARS6-A (radar sensor)	И038 22
ADC	ARS4-C (radar sensor)	И011 19
Bosch	FR5CPCCF (radar sensor)	И011 19
Bosch	LRR3 (radar sensor)	И011 19

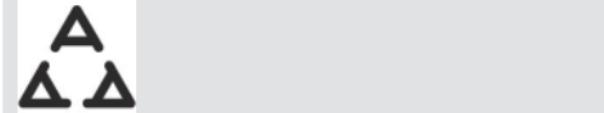
Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	И011 17
Bosch	MRRe14FCR (radar sensor)	И005 17
Continental Antenna	RKE213E1 (aerial amplifier)	И005 21
Continental Antenna	RKE223E1GN S (aerial amplifier)	И005 22
Continental Automotive	CMKG1 (locking system)	И005 20

Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	CMKG2 (locking system)	И005 23
Continental Automotive	MARS Keyless (locking system)	И005 20
Continental Automotive	NTG7 MID	И005 23
Continental Automotive	NTG7 HIGH	И005 23
Continental Automotive	NTG7 PREMIUM	И005 23
Continental Automotive	NTG7 PREMIUM PLUS	И005 23

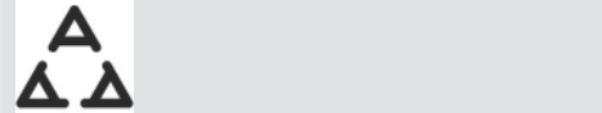
Manufacturer	Model designation	Radio equipment approval number
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	И005 23
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	И005 23
Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	И005 23
HELLA	DM4 (locking system)	И005 20
Hirschmann	920287A (locking system)	И005 18



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	И005 18
Hirschmann	920702A (locking system)	И005 22
Huf Baolong	TSSRE4A (tyre pressure sensor)	И005 20
HUF	HUF13145 (locking system)	И005 22



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking system)	И005 21
HUF	HUF4761 (locking system)	И005 21
LEOPOLD KOSTAL	KK1 (locking system)	И005 18
MARQUARDT	DC12A (locking system)	И005 20
MARQUARDT	DC12B (locking system)	И005 20



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12K (locking system)	И005 20
MARQUARDT	MS2 (locking system)	И011 17
MARQUARDT	MS4 (locking system)	И005 19
MARQUARDT	MS5 (locking system)	И005 24
MARQUARDT	MK1 (locking system)	И005 21
MARQUARDT	MK2 (locking system)	И005 21

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK3 (locking system)	И005 24
MARQUARDT	MU3 (locking system)	И005 23
MARQUARDT	3350.38 (locking system)	И005 22
MARQUARDT	MUB1 (locking system)	И005 24
Meta System	MUW II (interior protection)	И011 19

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure sensor)	И005 15
Schrader	AG3PF4 (tyre pressure sensor)	И005 15
Schrader	BG3FP4 (tyre pressure sensor)	И005 20
Schrader	GG4T (tyre pressure sensor)	И005 17

Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure sensor)	И005 18
Schrader	MC34MA4 (tyre pressure monitor control unit)	И011 11
Valeo	ARTEMIS-SUB-01 (radar sensor)	И011 18
Veoneer	77GHz MMRV1 (radar sensor)	И005 24



Manufacturer	Model designation	Radio equipment approval number
Veoneer	77V12BSM (radar sensor)	И011 19
Veoneer	77V12CRN (radar sensor)	И011 19
Veoneer	77V125CRN (radar sensor)	И038 21
Vitesco	HFA30 (Handsfree-Access)	И011
WITTE-Velbert	SDHTAG3NFC (locking system)	И005 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	MRRe14FCR (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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Automotive	MARS Keyless (locking system)	DA105282	Harman Becker	HERMES 3.0 (communication module)	DB107091	HUF Baolong	TSSRE4A (tyre pressure sensor)	DA30668
Continental Automotive	UWBTRX1 (locking system)	DB107091	HELLA	DM4 (locking system)	DA103365 N3308-22	HUF Baolong	TSSSG4G6b (tyre pressure sensor)	DA28467
Continental Automotive	D-WMI2020A (control unit)	DA103365	Hirschmann	920287A (locking system)	DA103365	HUF	HUF14632 (locking system)	DA105282
Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	DA105282	Hirschmann	920287B (locking system)	DA103365	HUF	HUF4761 (locking system)	DA103365
Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	DA105282	Hirschmann	920702A (locking system)	DA105282	LEOPOLD KOSTAL	KK1 (locking system)	DA103365
Continental Automotive Technologies	NTG7Q PRE-MIUM LF2 (head unit)	DA105282	HUF	HUF13145 (locking system)	N2197-22	MARQUARDT	DC12A (locking system)	DA103787

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	DA103365	MARQUARDT	MU3 (locking system)	DA103787	Schrader	BG3FP4 (tyre pressure sensor)	DA103365
MARQUARDT	DC12K (locking system)	DA103365	MARQUARDT	3350.38 (locking system)	DB107091	Schrader	GG4T (tyre pressure sensor)	DA105282
MARQUARDT	MS2 (locking system)	DA103787	Meta System	ITS/TPS (interior protection)	DA103365	Schrader	DG6W2D4 (tyre pressure sensor)	DA105282
MARQUARDT	MS4 (locking system)	DA103787	Meta System	MUW II (interior protection)	DA103365	Veoneer	77GHz MMRV1 (radar sensor)	DA103365
MARQUARDT	MS5 (locking system)	DB107091	Schrader	AG5SP4 (tyre pressure sensor)	DA103787	Veoneer	77V12BSM (radar sensor)	DA103365
MARQUARDT	MK1 (locking system)	DA103365	Schrader	AG3PF4 (tyre pressure sensor)	DA107968	Veoneer	77V12CRN (radar sensor)	DA103365
MARQUARDT	MK2 (locking system)	DA103365						
MARQUARDT	MK3 (locking system)	DA103787						

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	MRRe14FCR (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 PREMIUM 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



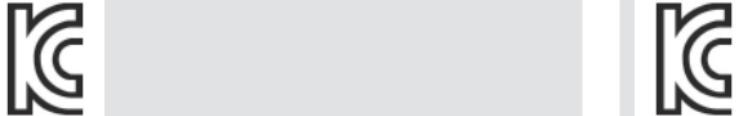
Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1 (aerial amplifier)	R-C-Ca3-RKE223E1
Continental Automotive	CMKG2 (locking system)	R-R-TeH-CMKG2
Continental Automotive Technologies	NTG7Q LF2 (head unit)	R-R-TeH-NTG7QLF2
Huf Baolong	TSSRE4A (tyre pressure sensor)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



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6 (tyre pressure monitor control unit)	R-REM-HHFTSSG4G6
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 PRE-MIUM LF2 (head unit)	130111-23-0132



CLASS A
NBTC ID: 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 PRE-MIUM LF2 (head unit)	UA.TR.052
HELLA	DM4 (locking system)	UA.TR.109
Hirschmann	920287A (locking system)	UKR.355-7/20
Hirschmann	920287B (locking system)	UKR.355-8/20
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	Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensor)	TA RTTE: Er558296/17, DA40068/15 	Bosch	FR5CPCCF (radar sensor)	TA RTTE: ER74533/19, DA36758/14 
ADC	ARS4-C (radar sensor)	TA RTTE: ER77062/19, DA40068/15 	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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Continental Antenna	RKE223E1GN S (aerial amplifier)	TRA ER76442/19, DA65993/17	Continental Automotive	UWBTRX1 (locking system)	TRA ER11321/22, DA36975/14	Continental Automotive Technologies	NTG7Q PREMIUM LF2 (head unit)	TDRA ER17732/23, DA76163/18
Continental Automotive	CMKG1 (locking system)	TRA ER77964/20, DA0018994/09	Continental Automotive Technologies	NTG7Q MID LF2 (head unit)	TDRA ER17731/23, DA76163/18			
Continental Automotive	CMKG2 (locking system)	TRA ER17713/23, DA36975/14 	Continental Automotive Technologies	NTG7Q HIGH LF2 (head unit)	TDRA ER17730/23, DA76163/18			
Continental Automotive	MARS Keyless (locking system)	TRA ER56005/17, DA44932/15	Gentex	MUAHL 5 (convenience system)	TRA ER41849/15, DA35176/14			

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Harman Becker	HERMES 3.0 (communication module)	TRA ER03601/21, DA0028019/10 	Hirschmann	920702A (locking system)	TRA ER10723/22, DA35219/14	HUF	HUF14632 (locking system)	TRA ER63716/18, DA36976/14
HELLA	DM4 (locking system)	TRA ER56616/17, DA44932/15	Huf Baolong	TSSRE4A (tyre pressure sensor)	TRA ER57806/17, DA36976/14	HUF	HUF4761 (locking system)	TRA ER55496/17, DA36976/14
Hirschmann	920287A (locking system)	TRA ER52213/17, DA35219/14	Huf Baolong	TSSSG4G6b (tyre pressure monitor control unit)	TRA ER7307/19, DA0086237/12	HUF	HUF13145 (locking system)	TRA ER08607/22 DA36976/14 
Hirschmann	920287B (locking system)	TRA ER42011/15, DA35219/14	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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking system)	TRA ER53465/17, DA0018994/09	MARQUARDT	MS4 (locking system)	TRA ER71616/19, DA0018994/09	MARQUARDT	MK2 (locking system)	TRA ER64146/18, DA0018994/09
MARQUARDT	DC12B (locking system)	TRA ER0067828/11, DA0018994/09	MARQUARDT	MS5 (locking system)	TRA ER80720/20, DA0018994/09	MARQUARDT	MK3 (locking system)	TRA ER26811/23, DA0018994/09
MARQUARDT	DC12K (locking system)	TRA ER0067829/11, DA0018994/09	MARQUARDT	MS7 (locking system)	TRA ER29729/24, DA0018994/09	MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/09
MARQUARDT	MS2 (locking system)	TRA ER52668/17, DA0018994/09	MARQUARDT	MK1 (locking system)	TRA ER64145/18, DA0018994/09	MARQUARDT	MUB1 (locking system)	TRA ER29344/24, DA0018994/09

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	TRA ER25917/23, DA0018994/09	Schrader	GG4T (tyre pressure sensor)	TRA ER57985/17, DA0047074/10	Veoneer	77GHz MMRV1 (radar sensor)	TA RTTE: ER96352/21; 0020858/10 
Schrader	AG5SP4 (tyre pressure sensor)	TRA ER37156/15, DA0047074/10	Schrader	DG6W2D4 (tyre pressure sensor)	TRA ER960528/18, DA0047074/10	Veoneer	77V12BSM (radar sensor)	TA RTTE: ER72324/19; 0020858/10 
Schrader	AG3PF4 (tyre pressure sensor)	TRA ER70533/19, DA0047074/10	Schrader	MC34MA4 (tyre pressure monitor control unit)	TRA ER37066/15, DA0047074/10			
Schrader	BG3FP4 (tyre pressure sensor)	TRA ER96175/21, DA0047074/10	Sennheiser	M3IETW2L (Earbud)	ER78231/20			
			Sennheiser	BTT100 (Bluetooth Audio Transmitter)	ER64728/18			

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	RKE223E1GNS (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)

UKCA	
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: NTG7QPREFL2
HUF	HUF13145 (locking system)	FCC ID: YGO-HUF13145

Manufacturer	Model designation	Radio equipment approval number
Sennheiser	M3IETW2R (Earbud)	FCC ID: DMOM3IETW2R
Sennheiser	M3IETW2L (Earbud)	FCC ID: DMOM3IETW2L
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), MRR1REAR (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	MRRe14FCR (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 C020403032 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	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MU3 (locking system)	CÔNG TY TNHH MERCEDES-BENZ Mercedes-Benz Vietnam Company Limited C054720122 3AF04A3	MARQUARDT	3350.38 (locking system)	Suntech Vietnam Technology Company Limited C013103022 1AF04A3	Schrader	AG3PF4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C012022051 9AF04A2
			Schrader	AG5SP4 (tyre pressure sensor)	Suntech Vietnam Technology Company Limited C000205011 9AF042A	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 Vasylkivska str. 15/2
01004 Kyiv
Ukraine

For the United Kingdom only:

Importer

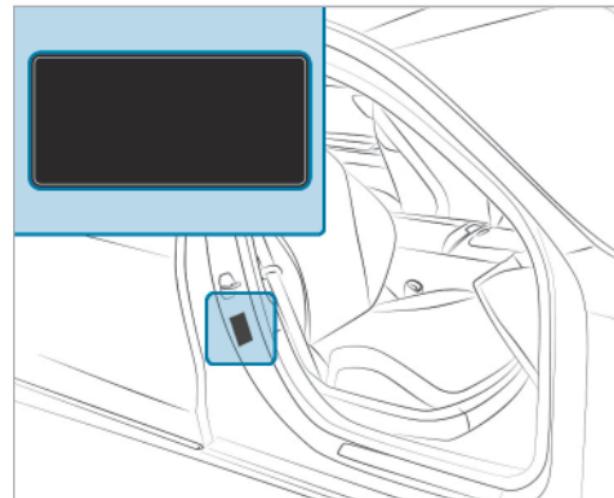
Mercedes-Benz Cars UK Limited
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA
England

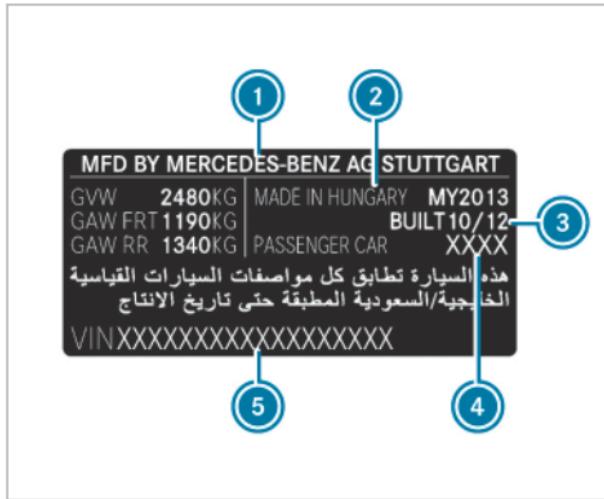
Importer of Mercedes-Benz vans
Mercedes-Benz Vans UK Limited
Delaware Drive, Tongwell
Milton Keynes, MK15 8BA

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

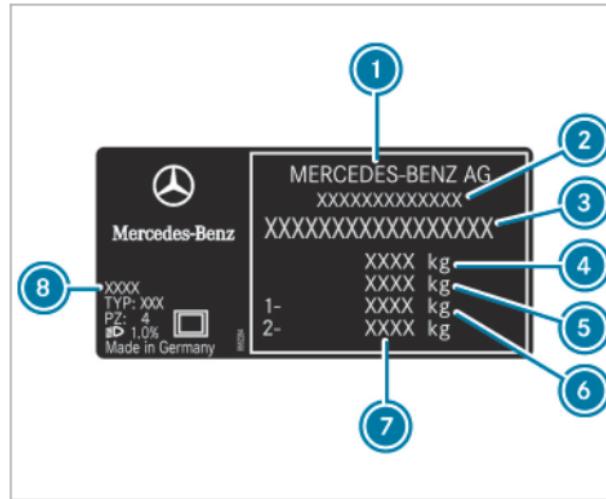
Vehicle identification plate





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)

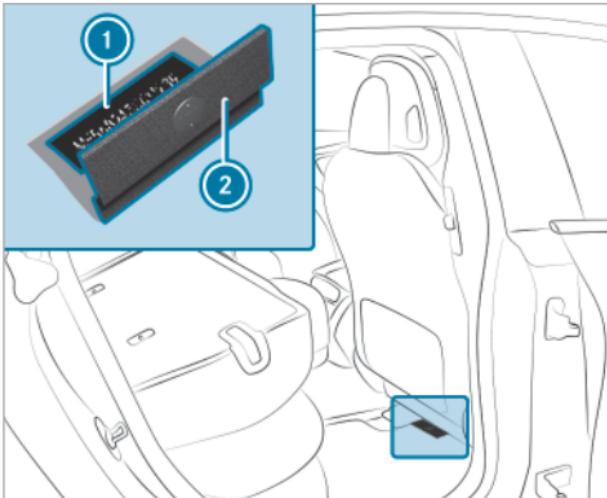
6. Maximum permissible front axle load (kg)

7. Maximum permissible rear axle load (kg)

8. Paint code

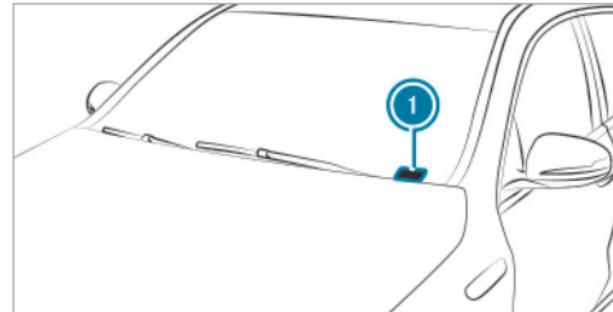
i The data in the illustration is shown as an example.

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.

leaf 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).

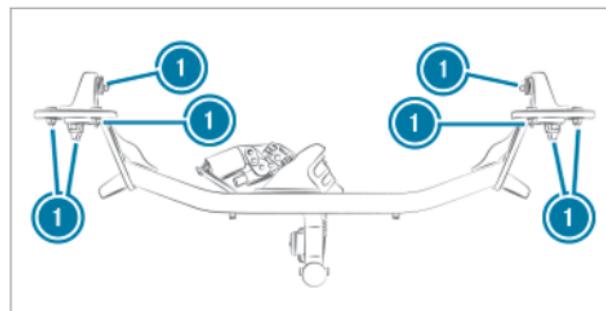
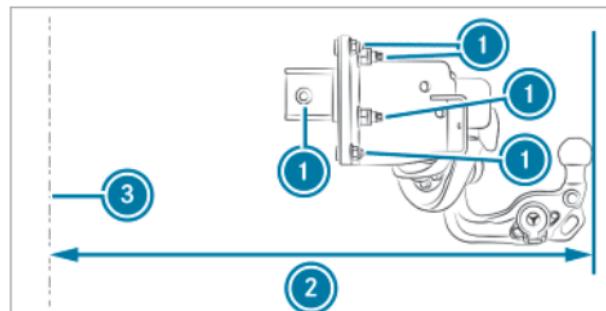
Trailer hitch

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

► 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.

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.

Permissible rear axle load (trailer operation)

Missing values were not available by the editorial deadline.

Trailer operation axle load

Model

Axe load

All models

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

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
-  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  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



Restraint system malfunction
Consult workshop

Possible causes/consequences and ► Solutions

- * 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.

► Consult a qualified specialist workshop immediately.

- * The restraint system is malfunctioning (→ page 43).

**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.

Front left malfunction
Consult workshop

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>
 Front right malfunction Consult workshop	<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>

Display messages	Possible causes/consequences and ► Solutions
 Second row of seats, left Malfunction Consult workshop	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ 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.</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>
 Second row of seats, right Malfunction Consult workshop	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ 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.</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.

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.▶ Consult a qualified specialist workshop immediately.
 Left window airbag malfunction Consult workshop	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ 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.</p> <ul style="list-style-type: none">▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop. <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.▶ Consult a qualified specialist workshop immediately.
 Right window airbag malfunction Consult workshop	<p>* The restraint system is malfunctioning (→ page 43).</p> <p>⚠ 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.</p> <ul style="list-style-type: none">▶ Have the restraint system checked and repaired immediately at a qualified specialist workshop.

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> <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> <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> <p>⚠ WARNING Risk of injury or death when using a child restraint system while the front passenger airbag is enabled</p> <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> <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
Occupant presence reminder inoperative	<ul style="list-style-type: none">* The occupant presence reminder is malfunctioning► Consult a qualified specialist workshop.
 Do not leave persons or animals in the vehicle	<ul style="list-style-type: none">* The occupant presence reminder suspects that there are persons or animals in the rear of the vehicle.► Do not leave any persons or animals behind when leaving the vehicle.

Key

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

Display messages	Possible causes/consequences and ► Solutions
 Key not detected (white display message)	<ul style="list-style-type: none">* The key is currently undetected.► Change the location of the 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).► Establish operational readiness.
 Key not detected (red display message)	<ul style="list-style-type: none">* The key can no longer be detected during a journey and may no longer be in the vehicle. If the key is no longer in the vehicle and you switch off the vehicle:<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.► Ensure that the key is in the vehicle. If the key is in the vehicle and is still not detected:<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).The key battery is at low capacity or is flat.<ul style="list-style-type: none">► Check the battery using the indicator lamp (→ page 84).

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

Display messages	Possible causes/consequences and ▶ Solutions
 Key not detected	<ul style="list-style-type: none">* The key or the Digital Vehicle Key is currently undetected.▶ 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.
 Key not detected Place Digital Vehicle Key in inductive charging bracket	<ul style="list-style-type: none">* 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:<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.▶ Ensure that the key or the Digital Vehicle Key is in the vehicle. <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.</p> <p>If the key or the Digital Vehicle Key is still not detected:</p> <ul style="list-style-type: none">► Consult a qualified specialist workshop.
 Replace key See Owner's Manual	<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. <p>► 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.</p>

Display messages	Possible causes/consequences and ▶ Solutions
 Do not forget key	<ul style="list-style-type: none">* 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.
 Digital Vehicle Key Charge device	<ul style="list-style-type: none">* The state of charge of the rechargeable battery of the end device with the Digital Vehicle Key is too low.<ul style="list-style-type: none">▶ Immediately charge the rechargeable battery of the Digital Vehicle Key end device.
 Key being taught in Please wait	<ul style="list-style-type: none">* The vehicle is processing in order to teach in the new Digital Vehicle Key.<ul style="list-style-type: none">▶ Wait until processing is complete.
 Key does not belong to vehicle	<ul style="list-style-type: none">* If the Digital Vehicle Key does not belong to the vehicle:<ul style="list-style-type: none">• You cannot start the vehicle.• You cannot establish operational readiness.• You cannot lock or unlock the vehicle centrally.

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

Lights

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

Display messages	Possible causes/consequences and ► Solutions
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 144). <p>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.
Adaptive Highbeam Assist Plus inoperative	<ul style="list-style-type: none"> * Adaptive Highbeam Assist Plus 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.
Adaptive Highbeam Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Adaptive Highbeam Assist is temporarily unavailable. The system limits have been reached (→ page 143). <p>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
Adaptive Highbeam Assist inoperative	<ul style="list-style-type: none">* Adaptive Highbeam Assist is malfunctioning.<ul style="list-style-type: none">▶ Drive onor▶ 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.
 Front left parking lights	<ul style="list-style-type: none">* The front left parking light is malfunctioning.<ul style="list-style-type: none">▶ Consult a qualified specialist workshop.
 Front right parking lights	<ul style="list-style-type: none">* The front right parking light is malfunctioning.<ul style="list-style-type: none">▶ Consult a qualified specialist workshop.
 Left low beam	<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. ► Consult a qualified specialist workshop.
 Left cornering light	<ul style="list-style-type: none">* The left cornering light is malfunctioning. ► Consult a qualified specialist workshop.
 Right cornering light	<ul style="list-style-type: none">* The right cornering light is malfunctioning. ► Consult a qualified specialist workshop.
 Left tail light	<ul style="list-style-type: none">* The left tail light is malfunctioning. ► Consult a qualified specialist workshop.

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

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

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

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

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

Climate control

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

Display messages	Possible causes/consequences and ▶ Solutions
 Currently unavailable Charge high-voltage battery	<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).
 Pre-entry climate control via key available again after starting vehicle	<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.
 Pre-entry climate control via key currently unavail- able. High-voltage battery low	<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
 High-voltage system malfunction	<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.
Preparing drive system...	<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.
 Have high-voltage system checked See Owner's Manual	<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
 Stop immediately Drive will be deactivated Charge high-voltage battery	<ul style="list-style-type: none">* The state of charge of the high-voltage battery is very low.▶ Stop the vehicle immediately in accordance with the traffic conditions.▶ Charge the high-voltage battery.
 Towing not permitted See Owner's Manual	<ul style="list-style-type: none">* The drive system is malfunctioning.▶ Have the vehicle transported using only a transporter or trailer (→ page 431).
 Acoustic presence indicator inoperative	<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.▶ Drive with particular care.▶ Consult a qualified specialist workshop.
Cannot start vehicle See Owner's Manual	<ul style="list-style-type: none">* Operational readiness cannot be established. A malfunction has occurred in the drive system.▶ 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.
 Top up coolant See Owner's Manual	<ul style="list-style-type: none">* The coolant level is too low.<ul style="list-style-type: none">! NOTE Damage to the drive system due to insufficient coolant► Avoid long journeys with insufficient coolant.► Have the cooling system of the drive system checked at a qualified specialist workshop.* The cooling system has detected a component fault.<ul style="list-style-type: none">► Avoiding high loads on the drive system, drive to the nearest qualified specialist workshop.

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

Display messages	Possible causes/consequences and ► Solutions
Not possible to unlock charging cable See Owner's Manual	<ul style="list-style-type: none"> * The charging cable connector cannot be removed from the vehicle socket. ► 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.
Vehicle not currently being charged Charging station fault	<ul style="list-style-type: none"> * A malfunction has occurred in the charging station or the RFID card is not recognised. ► Start the charging process at a different charging station. <p>or</p> <ul style="list-style-type: none"> ► Use an alternative authentication method or payment method.
400 V charging unavailable Use 800 V charging stations	<ul style="list-style-type: none"> * The charging process cannot be started because the charging station is not compatible. ► 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>
AC charging inoperative Consult workshop	<ul style="list-style-type: none"> * The AC charging process cannot be started due to a malfunction. ► Consult a qualified specialist workshop.
DC charging inoperative Consult workshop	<ul style="list-style-type: none"> * The DC charging process cannot be started due to a malfunction. ► 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.<ul style="list-style-type: none">► 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.<ul style="list-style-type: none">► 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.<ul style="list-style-type: none">► 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.<ul style="list-style-type: none">► 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 READY and the transmission position P 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 W^{MAX} is activated. The heating process ends when transmission position D 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. <ul style="list-style-type: none"> ► 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. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Charge the high-voltage battery (→ page 179).

Display messages	Possible causes/consequences and ▶ Solutions
 Battery overheated Stop, everybody out! Outdoors if possible	<ul style="list-style-type: none">* The high-voltage battery has overheated. There is a risk of fire.▶ 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. ⓘ 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.
 Malfunction	<ul style="list-style-type: none">* The drive system is malfunctioning. The output of your vehicle is restricted.▶ Consult a qualified specialist workshop.
 Malfunction Visit workshop	<ul style="list-style-type: none">* The drive system is malfunctioning.▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
High-voltage battery malfunction. Consult workshop without starting the vehicle again	<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. <p>► Do not switch off the vehicle; drive on to the nearest qualified specialist workshop.</p>
Consult workshop without starting the vehicle again	<ul style="list-style-type: none"> * Operational readiness cannot be re-established due to a fault. <p>► 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	<ul style="list-style-type: none"> * The drive system is malfunctioning. The maximum vehicle speed is restricted. <p>► Consult a qualified specialist workshop.</p>
 Reserve level Charge high-voltage battery	<ul style="list-style-type: none"> * The charge level of the high-voltage battery has dropped into the reserve range. <p>► Charge the high-voltage battery (→ page 179).</p>
 Stop Switch off the vehicle	<ul style="list-style-type: none"> * The drive system is malfunctioning. <p>► Stop immediately in accordance with the traffic conditions and switch off the vehicle. Do not continue driving because the drive system is automatically deactivated.</p> <p>► Do not tow the vehicle; stop towing if necessary.</p> <p>► Consult a qualified specialist workshop.</p>

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. <p>▶ Have the necessary maintenance work on the high-voltage battery carried out at a qualified specialist workshop.</p>
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. <p>▶ Have the necessary maintenance work on the high-voltage battery carried out immediately at a qualified specialist workshop.</p>

Vehicle	Display messages	Possible causes/consequences and ▶ Solutions
	 <p>* The driver display is inoperative due to a failed software update. The display message will be shown every time operational readiness is established.</p> <p>⚠ WARNING Risk of accident if the driver's display fails 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
	<p>► Park the vehicle safely as soon as possible and notify a qualified specialist workshop.</p> <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>
 Top up washer fluid	<ul style="list-style-type: none">* The washer fluid level in the washer fluid reservoir has dropped below the minimum.▶ Top up the washer fluid (→ page 411).
 Intensive cleaning activated for 30 s	<ul style="list-style-type: none">* Deep cleaning of the windscreen has been activated (→ page 149).
Wiper Malfunction	<ul style="list-style-type: none">* The windscreen wiper is malfunctioning.<ul style="list-style-type: none">▶ Re-establish operational readiness. <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.
 Trailer coupling Check lock (red display message)	<p>* The trailer hitch is not operational during a journey with a trailer.</p> <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. <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.

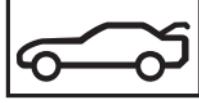
Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none">► Initiate a new swivel movement (→ page 268).► When the display message disappears, couple up the trailer and drive on. <p>If the display message does not disappear, the trailer hitch is malfunctioning and 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	<ul style="list-style-type: none">* The head-up display is temporarily unavailable. Possible causes:<ul style="list-style-type: none">• Malfunctions in the power supply• Signal interference► Stop in accordance with the traffic conditions and re-establish operational readiness.► If the display message still appears, consult a qualified specialist workshop.
Head-up display inoperative	<ul style="list-style-type: none">* The head-up display has an internal error.► Consult a qualified specialist workshop.
Head-up display Brightness currently reduced See Owner's Manual	<ul style="list-style-type: none">* The brightness of the head-up display is reduced. Possible causes:<ul style="list-style-type: none">• Dirt on the windscreen in the field of vision of the cameras• Faulty exterior brightness signals► Switch on the windscreen wipers.► Clean the windscreen if necessary.► Re-establish operational readiness.► If the display message still appears, consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 Steering malfunction Stop immediately See Owner's Manual	<p>* The steering is malfunctioning. Steering capability is significantly impaired.</p> <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. <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.
 Steering malfunction Drive carefully Visit workshop	<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
 Steering malfunction Increased physical effort See Owner's Manual	<ul style="list-style-type: none">* The power steering assistance is malfunctioning. <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. <p>▶ If safe steering is possible, drive on carefully.</p> <p>▶ Visit or consult a qualified specialist workshop immediately.</p>
Active bonnet malfunction See Owner's Manual	<ul style="list-style-type: none">* The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered. <ul style="list-style-type: none">▶ Consult a qualified specialist workshop. <p>* The bonnet is open.</p> <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. <p>▶ Stop the vehicle immediately in accordance with the traffic conditions.</p> <p>▶ Close the bonnet (→ page 99).</p>

Display messages	Possible causes/consequences and ► Solutions
 Bonnet not locked Close before starting journey (red display message)	<p>* The bonnet is not locked. A warning tone will also sound.</p> <p>⚠ WARNING Risk of accident due to the unlocked front-end flap while driving 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. <p>► Engage park position P. ► Close the bonnet (→ page 99).</p>
 Stop immediately Close bonnet completely (red display message)	<p>* You are driving with an unlocked bonnet. A warning tone will also sound.</p> <p>⚠ WARNING Risk of accident due to the unlocked front-end flap while driving 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. <p>► Stop the vehicle immediately in accordance with the traffic conditions. ► 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.<ul style="list-style-type: none">▶ Close all doors.
	<ul style="list-style-type: none">* The boot lid is open.<ul style="list-style-type: none">▶ 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.<ul style="list-style-type: none">▶ 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.<ul style="list-style-type: none">▶ 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. ► 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. ► 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. ► 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. ► 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. ► Select park position P when switching off the vehicle.

Display messages	Possible causes/consequences and ▶ Solutions
Risk of vehicle rolling away Apply parking brake to park	<ul style="list-style-type: none">* The transmission is malfunctioning. Park position P cannot be selected.▶ 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.
Risk of vehicle rolling away N activated manually No automatic switch to 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. <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. <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
N automatically activated Please engage transmission position again	<ul style="list-style-type: none"> * Neutral N was automatically engaged when the vehicle was rolling or being driven. ► 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.
To shift to N, hold selector lever longer in position N	<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. ► When changing from park position P to neutral N, hold the selector lever in position N for an extended period of time.
Reversing not poss. Consult workshop	<ul style="list-style-type: none"> * The transmission is malfunctioning. It is not possible to select transmission position R. ► Consult a qualified specialist workshop.
Transmission Malfunction Stop	<ul style="list-style-type: none"> * The transmission is malfunctioning. The transmission shifts to neutral N automatically. ► 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	<ul style="list-style-type: none">* The transmission is malfunctioning. It is no longer possible to change the transmission position.▶ 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)	<ul style="list-style-type: none">* There is a malfunction in the auxiliary battery.▶ Consult a qualified specialist workshop.▶ Before leaving the vehicle, apply the electric parking brake.
Auxiliary battery malfunction (red display message)	<ul style="list-style-type: none">* There is a malfunction in the auxiliary battery.▶ Consult a qualified specialist workshop.▶ Before leaving the vehicle, apply the electric parking brake.
Drive malfunction Stop Restart vehicle	<ul style="list-style-type: none">* The transmission is malfunctioning.▶ 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.► 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. <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. <ul style="list-style-type: none">► 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
 Malfunction Stop vehicle	<ul style="list-style-type: none">* The brake force boosting function is impaired and the braking characteristics may be affected. ⚠ WARNING Risk of accident and injury if brake force boosting is malfunctioningIf 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.<ul style="list-style-type: none">▶ Stop in a safe location immediately. Do not continue driving!▶ Consult a qualified specialist workshop.▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.▶ Consult a qualified specialist workshop.
 Brake immediately	<ul style="list-style-type: none">* A malfunction has occurred while the HOLD function was activated. A horn may also sound at regular intervals. You cannot start the vehicle system.<ul style="list-style-type: none">▶ Immediately depress the brake pedal firmly until the display message disappears. You cannot start the vehicle system again.
 Caution Brakes overheated Drive carefully	<ul style="list-style-type: none">* The brakes are overheating. ⚠ WARNING Risk of an accident due to vapour pockets forming in the brake systemThe 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.

Display messages	Possible causes/consequences and ► Solutions
	<p>This impairs the braking effect.</p> <p>► Have the brake fluid renewed at the specified intervals.</p> <p>► Drive on carefully.</p> <p>► Check the brake fluid.</p> <p>► Consult a qualified specialist workshop.</p>
Check brake pads See Owner's Manual	<p>* The brakepads have reached the wear limit.</p> <p>► Consult a qualified specialist workshop.</p>
 Parking brake See Owner's Manual	<p>* The yellow  indicator lamp is lit. The electric parking brake is malfunctioning.</p> <p>To apply:</p> <p>► Switch the vehicle off and then back on.</p> <p>► Apply the electric parking brake manually (→ page 200).</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>* The yellow  indicator lamp and the red  indicator lamp are lit. The electric parking brake is malfunctioning.</p> <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> <ul style="list-style-type: none">► Charge the 12 V battery (→ page 431). <p>To apply:</p> <ul style="list-style-type: none">► Apply the electric parking brake manually. <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. <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> <ul style="list-style-type: none">► Switch the vehicle off and then back on.► Release and then apply the electric parking brake manually (→ page 200). <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>
 Release parking brake	<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>
 Parking brake Switch on vehicle to release	<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
 Aufmerksam bleiben! (white display message)	<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.
 Aufmerksam bleiben, sonst wird Nothalt eingeleitet (yellow display message)	<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>
 ATTENTION ASSIST: Take a break!	<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
 ATTENTION ASSIST Micro-sleep Take a break!	<ul style="list-style-type: none">* ATTENTION ASSIST has detected indicators of microsleep (→ page 210). A warning tone will also sound. <p>▶ Take a break immediately.</p> <p>▶ Press the right-hand Touch Control and acknowledge the display message.</p>
 ATTENTION ASSIST restricted: interior camera view limited	<ul style="list-style-type: none">* The view of the multifunction interior camera is limited. Possible causes:<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. <p>▶ Keep the multifunction interior camera's field of vision free.</p> <p>▶ Pay attention to the system limits of the multifunction interior camera (→ page 309).</p> <p>▶ 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	<ul style="list-style-type: none">* 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>▶ Drive on</p> <p>or</p> <p>▶ Stop in accordance with the traffic conditions and re-establish operational readiness.</p>

Display messages	Possible causes/consequences and ► Solutions
 ATTENTION ASSIST restricted: interior camera currently unavailable	<ul style="list-style-type: none">► If the display message still appears, consult a qualified specialist workshop. <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> <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 still appears, consult a qualified specialist workshop.
 ATTENTION ASSIST limited Camera inoperative Consult workshop	<ul style="list-style-type: none">* The multifunction interior camera is malfunctioning. ATTENTION ASSIST is temporarily unavailable or only partially available. <ul style="list-style-type: none">► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ▶ Solutions
  <p>currently unavailable See Owner's Manual (ABS and ESP[®])</p>	<p>* 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> <p>⚠ WARNING Risk of skidding if ABS and ESP[®] are malfunctioning</p> <p>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 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.

Display messages



inoperative See Owner's Manual (ABS and ESP[®])

Possible causes/consequences and ► Solutions

* 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.

⚠ WARNING Risk of skidding if ABS and ESP[®] are malfunctioning

The wheels may block 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.

- Drive on carefully.
- Have ABS and ESP[®] checked immediately at a qualified specialist workshop.

- Drive on carefully.
- Consult a qualified specialist workshop immediately.



currently unavailable See Owner's Manual (ESP[®])

* ESP[®] is temporarily unavailable.

Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.

⚠ WARNING Risk of skidding if ESP is malfunctioning[®]

If ESP[®] is malfunctioning, ESP[®] cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.

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.
 inoperative See Owner's Manual (ESP [®])	<p>* 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> <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. <ul style="list-style-type: none">► Drive on carefully.► Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ► Solutions
   inoperative See Owner's Manual (EBD, ABS and ESP®)	<p>* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p>⚠ WARNING Risk of skidding if EBD, ABS and ESP® are malfunctioning</p> <p>The wheels may block during braking and ESP® does not perform any vehicle stabilization. The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <p>► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop.</p> <p>► Drive on carefully. ► Consult a qualified specialist workshop immediately.</p>
 Off	<p>* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.</p> <p>► Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 208).</p>

Display messages	Possible causes/consequences and ▶ Solutions
 --- km/h	<ul style="list-style-type: none">* Cruise control cannot be activated because not all activation conditions are fulfilled. ▶ Observe the activation conditions for cruise control (→ page 213).
Cruise control inoperative	<ul style="list-style-type: none">* Cruise control is malfunctioning. ▶ Consult a qualified specialist workshop.
Cruise control and Limiter inoperative	<ul style="list-style-type: none">* Cruise control and the limiter are malfunctioning. ▶ 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).
 --- km/h	<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.
 passive	<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
Limiter inoperative	<ul style="list-style-type: none">* The limiter is malfunctioning. ► Consult a qualified specialist workshop.
 Maximum speed exceeded	<ul style="list-style-type: none">* You have exceeded the maximum permissible speed (for certain countries only). ► Drive more slowly.
Traffic Sign Assist currently unavailable See Owner's Manual	<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. ► Continue driving in compliance with the traffic regulations.
Traffic Sign Assist inoperative	<ul style="list-style-type: none">* Traffic Sign Assist is malfunctioning. ► Continue driving in compliance with the traffic regulations. 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.

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>
 --- km/h	<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>
 suspended	<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
 Off	<ul style="list-style-type: none">* Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Distance Assist DISTRONIC has deactivated automatically (→ page 218).
Active Distance Assist currently unavailable <small>See Owner's Manual</small>	<ul style="list-style-type: none">* 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>► Drive on carefully. or</p> <p>► If the display message does not disappear, stop the vehicle safely and re-establish operational readiness.</p>
Active Distance Assist inoperative	<ul style="list-style-type: none">* Distance Assist DISTRONIC and the emergency stop function are malfunctioning. Other driving systems and driving safety systems may also be malfunctioning. <p>► Drive on carefully. 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>
Active Distance Assist available again	<ul style="list-style-type: none">* Distance Assist DISTRONIC is operational again. <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. 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. 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>

Display messages	Possible causes/consequences and ▶ Solutions
Active Steering Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * 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. <ul style="list-style-type: none"> ▶ Drive on. ▶ Check the tyre pressure if necessary.
Active Steering Assist inoperative	<ul style="list-style-type: none"> * Steering Assist and the emergency stop function are malfunctioning. Distance Assist DISTRONIC remains available. <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.
	<ul style="list-style-type: none"> * 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. <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	<ul style="list-style-type: none"> * Steering Assist is temporarily unavailable due to multiple emergency stops. <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
Emergency stop initiated To cancel: operate steering wheel and a pedal	<ul style="list-style-type: none"> * No driver activity (e.g. steering or accelerating) was detected for an extended period. The emergency stop function initiates an emergency stop (→ page 224). <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>
Active Emergency Stop Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * The emergency stop function is temporarily unavailable. <p>The ambient conditions are outside the system limits (→ page 226).</p> <p>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.
Active Emergency Stop Assist inoperative	<ul style="list-style-type: none"> * The emergency stop function 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.

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
Active Lane Keeping Assist functions restricted See Owner's Manual	<ul style="list-style-type: none"> ► If the display message does not disappear: consult a qualified specialist workshop. <p>* Lane Keeping Assist is partially available.</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.
    temporarily unavailable Sensors dirty	<ul style="list-style-type: none"> * Front and corner radar sensors (hereafter "sensors") are malfunctioning. Possible causes: <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> <ul style="list-style-type: none"> ► Drive on carefully. <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> <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Clean all sensor covers from the outside (→ page 203).

Display messages	Possible causes/consequences and ▶ Solutions
      <p>Camera view restricted See Owner's Manual</p>	<p>▶ Re-establish operational readiness.</p> <p>* Visibility of the cameras in the windscreen is reduced. Possible causes:</p> <ul 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>i 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>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>▶ To remove mist from the outside, wipe once (→ page 149).</p> <p>▶ To remove the mist from the inside, press  (→ page 158).</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 even after a driving time of about 15 minutes:</p> <p>▶ Stop the vehicle in accordance with the traffic conditions.</p> <p>▶ Clean the windscreen, especially in the position of the cameras (→ page 203).</p>

Display messages	Possible causes/consequences and ► Solutions
   Restricted during trailer operation	<ul style="list-style-type: none">► Re-establish operational readiness.* When the trailer socket is occupied, some driving systems will be available only to a limited extent.► Drive carefully if you are towing a trailer or have the bicycle rack mounted.
PRE-SAFE inoperative See Owner's Manual	<ul style="list-style-type: none">* The PRE-SAFE® functions are malfunctioning.► Consult a qualified specialist workshop.
PRE-SAFE PLUS inoperative See Owner's Manual	<ul style="list-style-type: none">* The PRE-SAFE® PLUS system is malfunctioning.► Drive onor► Stop in accordance with the traffic conditions and re-establish operational readiness.► If the display message does not disappear: consult a qualified specialist workshop.

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. <p>► Press the right-hand Touch Control and acknowledge the display message.</p>
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. <p>► Steer and brake manually.</p>
Parking camera and parking assistance inoperative	<ul style="list-style-type: none">* The parking camera, Parking Assist and PARKTRONIC are malfunctioning. <p>► Consult a qualified specialist workshop.</p>
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. <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>

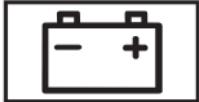
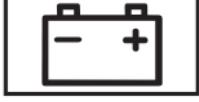
Display messages	Possible causes/consequences and ► Solutions
Parking assistance inoperative	<ul style="list-style-type: none">* Parking Assist and PARKTRONIC are malfunctioning. Once the cause of the problem is no longer present, the system will be available again. <p>► Continue driving while paying 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	<ul style="list-style-type: none">* PARKTRONIC is malfunctioning. Once the cause of the problem is no longer present, the system will be available again. <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	<ul style="list-style-type: none">* 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>► Press the right-hand Touch Control and acknowledge the display message.</p>

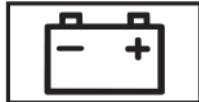
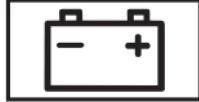
Display messages	Possible causes/consequences and ▶ Solutions
Active Parking Assist and PARKTRONIC inoperative See Owner's Manual	<ul style="list-style-type: none"> * Parking Assist and PARKTRONIC are malfunctioning. <p>Once the cause of the problem is no longer present, the system will be available again.</p> <ul style="list-style-type: none"> ▶ Continue driving while paying attention to the vehicle's surroundings. <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 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. <ul style="list-style-type: none"> ▶ 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. <ul style="list-style-type: none"> ▶ Consult a qualified specialist workshop.

Battery

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

Display messages	Possible causes/consequences and ▶ Solutions
 Start the vehicle to charge the 12 V battery	<ul style="list-style-type: none">* 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>▶ Switch off any electrical consumers that are not required (e.g. multimedia system).</p> <p>▶ Charge the vehicle when it is parked at a charging station (→ page 179).</p> <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> <p>▶ Stop the vehicle in accordance with the traffic conditions and secure.</p> <p>▶ Consult a qualified specialist workshop.</p>
 Stop vehicle Leave vehicle on to charge the 12 V battery	<ul style="list-style-type: none">* The state of charge of the 12 V battery is too low. <p>▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p> <p>▶ Leave the vehicle switched on.</p> <p>▶ If the display message disappears: drive on.</p> <p>▶ If the display message does not disappear: consult a qualified specialist workshop.</p>

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. ⚠ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres. Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking. <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p> <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
 Wheel sensor(s) missing	<ul style="list-style-type: none">* There is no signal from the tyre pressure sensor in at least one wheel. No pressure value is displayed for the affected tyre. <p>▶ Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.</p>
 Check tyre(s)	<ul style="list-style-type: none">* The tyre pressure in one or more tyres has dropped significantly. The wheel position is displayed. A warning tone will also sound. <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. You could then lose control of the vehicle. <p>▶ Observe the recommended tyre pressures. ▶ Adjust the tyre pressure if necessary.</p> <p>▶ Stop the vehicle in accordance with the traffic conditions. ▶ Check the tyre pressure (→ page 438) and the tyres.</p>

Display messages	Possible causes/consequences and ► Solutions
 Rectify tyre pressure	<ul style="list-style-type: none"> * 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>► Check the tyre pressure and add air, if necessary.</p> <p>► When the tyre pressure is correct, restart the tyre pressure monitor (→ page 440).</p>
 Warning tyre malfunction	<ul style="list-style-type: none"> * The pressure in one or more tyres has dropped suddenly. The wheel position is displayed. <p>⚠ WARNING Risk of an accident from driving with a flat tyre</p> <ul style="list-style-type: none"> • The tyres can overheat and be damaged. • The driving characteristics as well as the steering and braking characteristics may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Do not drive with a flat tyre.</p> <p>► Do not exceed the maximum permissible driving distance in emergency mode and the maximum permissible speed with a flat MOExtended tyre.</p> <p>► Observe the notes on flat tyres.</p> <p>Notes on flat tyres (→ page 424).</p> <p>► Stop the vehicle in accordance with the traffic conditions.</p> <p>► Check the tyres.</p>

Display messages	Possible causes/consequences and ▶ Solutions
 Tyre(s) overheated	<ul style="list-style-type: none">* 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>⚠ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <ul style="list-style-type: none">▶ Reduce speed so that the tyres cool down. <p>▶ Reduce your speed so that the tyres cool down.</p>
 Reduce speed	<ul style="list-style-type: none">* 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>⚠ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <ul style="list-style-type: none">▶ Reduce speed so that the tyres cool down. <p>▶ Reduce your speed so that the tyres cool down.</p>

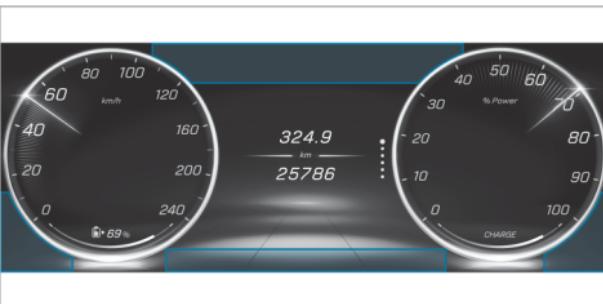
Warning and indicator lamps

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	Possible causes/consequences and ► Solutions
 Restraint system warning lamp	<p>* 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).</p> <p>⚠ 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.</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>► Drive on carefully. ► Note the messages on the driver display. ► Consult a qualified specialist workshop immediately.</p>

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Seat belt warning lamp flashes	<ul style="list-style-type: none">* 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.▶ Fasten your seat belt (→ page 43).There are objects on the front passenger seat.▶ Remove the objects from the front passenger seat.
 Seat belt warning lamp lights up	<ul style="list-style-type: none">* 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.▶ Fasten your seat belt (→ page 43). <p>If you have placed objects on the front passenger seat, the red seat belt warning lamp may remain lit.</p>
 Occupant presence detection warning lamp (white)	<ul style="list-style-type: none">* The white occupant presence reminder warning lamp is lit. The occupant presence reminder is deactivated.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Occupant presence detection warning lamp (yellow)	<ul style="list-style-type: none">* The yellow occupant presence reminder warning lamp is lit. The occupant presence reminder is malfunctioning► Note the messages on the driver display.

Drive system

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Electrical fault warning lamp	<ul style="list-style-type: none">* The red electrical fault warning lamp is lit. There is a fault with the electrics.► Note the messages on the driver display.
 System error warning lamp	<ul style="list-style-type: none">* 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.► Note the messages on the driver display.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Reduced-power warning lamp	<ul style="list-style-type: none">* The yellow reduced-power warning lamp is on. Drive system power output is reduced.▶ Note the messages on the driver display.

Vehicle	
 Trailer hitch warning lamp	<p>Possible causes/consequences and ▶ Solutions</p> <ul style="list-style-type: none">* The red trailer hitch warning lamp is lit. The trailer hitch is not operational. <p>⚠ WARNING Risk of an accident if the ball neck is not locked 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. <p>▶ Note the messages on the driver display.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Power steering warning lamp (yellow)	<ul style="list-style-type: none">* The yellow power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning. <p>► Note the messages on the driver display.</p>
 Power steering warning lamp (red)	<ul style="list-style-type: none">* The red power steering warning lamp is lit while the vehicle is running. The power assistance or the steering itself is malfunctioning. <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. <p>► Note the messages on the driver display.</p>

Brakes

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Electric parking brake indicator lamp (red)	<ul style="list-style-type: none">* The red electric parking brake indicator lamp flashes or is lit. The yellow electric parking brake indicator lamp is also lit up in the event of a malfunction.<ul style="list-style-type: none">▶ Note the messages on the driver display.
 Brakes warning lamp (yellow)	<ul style="list-style-type: none">* The yellow brake system warning lamp is on while the vehicle is running. <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.
	<p>The Hill Start Assist may be malfunctioning.</p> <ul style="list-style-type: none">▶ Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► If the driver's display shows a display message, observe it. ► Consult a qualified specialist workshop.
 Brakes warning lamp (red)	<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
 ABS warning lamp	<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> <p>⚠ WARNING There is a risk of skidding if EBD or ABS is malfunctioning</p> <p>The wheels may lock during braking.</p> <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> <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
 ESP® warning lamp flashes	<ul style="list-style-type: none"> ► Consult a qualified specialist workshop. <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> <ul style="list-style-type: none"> ► Adapt your driving style to suit the road and weather conditions.
 ESP® warning lamp lights up	<ul style="list-style-type: none"> * The yellow ESP warning lamp ® is on while the vehicle is running. ESP® is malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. <ul style="list-style-type: none"> ► Note the messages on the driver display. <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. <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop immediately.

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 ESP® OFF warning lamp	<p>* The yellow ESP® OFF warning lamp is lit while the vehicle is running. ESP® is deactivated. Other driving systems and driving safety systems may also be inoperative.</p> <p>⚠ WARNING Risk of skidding when driving with ESP® deactivated</p> <p>ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.</p> <ul style="list-style-type: none">▶ Drive on carefully.▶ Deactivate ESP® only for as long as the situation requires. <p>If ESP® cannot be activated, ESP® is malfunctioning.</p> <ul style="list-style-type: none">▶ Have ESP® checked immediately at a qualified specialist workshop. <p>▶ Observe the notes on deactivating ESP® (→ page 206).</p>
 ATTENTION ASSIST warning lamp	<p>* The ATTENTION ASSIST warning lamp is lit. ATTENTION ASSIST is malfunctioning.</p> <ul style="list-style-type: none">▶ Consult a qualified specialist workshop.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 Traffic Sign Assist warning lamp	<ul style="list-style-type: none"> * The Traffic Sign Assist warning lamp is lit. Traffic Sign Assist is malfunctioning. <p>► Note the messages on the driver display.</p>
 Warning lamp for distance warning	<ul style="list-style-type: none"> * 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>► Be prepared to brake immediately.</p> <p>► Increase the distance.</p> <p>Function of Active Brake Assist (→ page 230).</p>
 Brake Assist warning lamp	<ul style="list-style-type: none"> * 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>► Note the messages on the driver display.</p>
 Brake Assist warning lamp	<ul style="list-style-type: none"> * 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>► Observe the notes on Brake Assist (→ page 230).</p>

Mercedes-Benz emergency call system

Warning/indicator lamp	Possible causes/consequences and ▶ Solutions
 Mercedes-Benz emergency call system warning lamp	<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
 Tyre pressure monitoring system warning lamp flashes	<p>*The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit.</p> <p>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
 Tyre pressure monitoring system warning lamp lights up	<p>► Consult a qualified specialist workshop.</p> <p>* 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> <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> <p>► Stop the vehicle in accordance with the traffic conditions.</p> <p>► Check the tyre pressure and the tyres.</p>

A	
A/C function	
switching on/off (MBUX).....	157
ABS	205
Access data	
Setting (Bluetooth®).....	388
Accident and repair information	421
Accident prevention	264
Accident, emergency call	379
Activating/deactivating the acoustic locking verification signal	85
Active front-end flap	100
Active Service System PLUS	409
Adaptive brake lights	209
Adaptive cruise control	222
Adaptive Highbeam Assist	143
Activating/deactivating.....	144
Adaptive Highbeam Assist Plus	144
Switching on/off.....	146
Additional door lock	93
Additional mobile phone	
Connecting.....	359
Adjusting bass, mid-range and treble settings	
Burmester® 3D surround sound system.....	400
Adjusting mid-range, treble and bass settings	
Burmester® 3D surround sound system.....	400
Adjusting the balance/fader	
Burmester® 3D surround sound system.....	400
Adjusting the sound focus	
Burmester® 3D surround sound system.....	401
Adjusting treble, mid-range and bass settings	
Burmester® 3D surround sound system.....	400
After-sales service	409
Air conditioning menu	
Air distribution.....	157
Air distribution	
Setting.....	155, 156, 157
Air inlet	411
Air vents	
Setting.....	162
Air-conditioning menu	
Climate control.....	157
Air/water duct	411
Airbag	
Inflating.....	52
Overview.....	58
PASSENGER AIR BAG indicator lamps.....	46
Warning lamp.....	43
Airflow	
Setting.....	155, 156
Alarm system	111
Alternative route	342
Ambient lighting	148
Android Auto	369
Connecting a mobile phone (wired).....	369
Connecting a mobile phone (wireless)....	370
Ending.....	371
Information.....	369

Sound settings.....	371
Android smartphone	369
Animals	53
Anti-lock braking system	205
Anti-theft alarm system	111
Anti-theft protection	111
Additional door lock.....	93
Immobiliser.....	110
Apple CarPlay® , Smartphone	
Connecting an iPhone® (cable).....	367
Connecting an iPhone® (wireless).....	367
Ending.....	368
Notes.....	367
Overview.....	366
Sound settings.....	368
Transferred vehicle data.....	371
Apps	
Mercedes-Benz Connect.....	376
Assembly licence plate, front	28
Assistance system	204
ASSYST PLUS	
Battery disconnection periods.....	410
Maintenance work.....	409
Service interval display.....	409
ATA	
Deactivating the alarm.....	111
Function.....	111
Interior protection.....	113
Interior protection function.....	112
Tow-away protection.....	112
Tow-away protection function.....	112
ATTENTION ASSIST	210
Function.....	210
Setting.....	212
Attention assistant	210
Augmented reality	
MBUX route guidance.....	350
Authorisations	
Setting.....	313
Authorised workshop	33
Automatic car wash	412
Automatic co-driver airbag shutoff	
Function.....	48
Automatic distance control	215
Automatic driving lights	141
Automatic emergency call	379
Automatic front passenger airbag shutoff	
Information (child restraint system on the front passenger seat).....	64
PASSENGER AIR BAG indicator lamps.....	46
Automatic measures after an accident	51
Automatic mirror folding function	154
Automatic seat adjustment	120
Automatic transmission	177
Autonomous braking	230
Axle load	
Trailer operation.....	596
B	
Ball neck	
Extending/retracting (MBUX multimedia system).....	270
Folding out/in.....	268
Trailer coupling.....	271
BAS	205
Basic information	40

Battery	430	Function.....	239	Brake Assist System	205
Declaration of conformity.....	30			Brake disks	171
High-voltage battery.....	430	Blind Spot Assist Plus		Brake fluid	591
Battery (12 V battery)		Brake application.....	242	Brake force distribution	207
Charging.....	431	Function.....	239	Brake lamps	
Notes.....	430	Trailer operation.....	242	Adaptive brake lights.....	209
Replacing.....	431	Blind Spot Assist/Blind Spot Assist Plus		Brake pads	171
Starting assistance.....	431	Exit warning.....	239	Brakes	
Battery (high-voltage on-board electrical system)	593	Bluetooth®		ABS (Anti-lock Braking System).....	205
Battery (key)	86	Connecting a mobile phone.....	359	Adaptive brake lights.....	209
Battery information		Information.....	313	BAS (Brake Assist System).....	205
Displaying.....	326	Setting up an Internet connection.....	388	Brake Assist.....	230
Belt		Switching on/off.....	314	Driving tips.....	171
Adjusting the height.....	43	Body		EBD (Electronic Brakeforce Distribution).....	207
Fastening.....	43	Notes on repairs following an accident...	421	Electric parking brake.....	199
Notes on wearing correctly.....	42	Boot lid		Handbrake.....	199
Releasing.....	57	Closing.....	102	HOLD function.....	208
Bicycle rack		HANDS-FREE ACCESS.....	104	Limited braking effect (salt-treated roads).....	171
Load capacity.....	596	Limiter.....	106	New/replaced brake pads/brake discs..	171
Trailer operation.....	273	Opening.....	101, 102	Parking brake.....	199
Blind Spot Assist	242	Power closing function.....	102	Post-collision brake.....	51
Activating/deactivating.....	243	Brake Assist		Recuperation.....	174
		Brake Assist System.....	205		
		Function.....	230		
		Setting.....	233		

Running-in notes.....	171	Making a call.....	363	Information.....	203
Braking assistance		Overview.....	363	Opening the camera cover (reversing camera).....	254
Brake Assist.....	230	Selecting options.....	363	Reversing camera.....	246
Brake Assist System.....	205	Calling the Mercedes-Benz Customer Centre	372	Select view.....	254
Breakdown		Calling up the sound menu		Camera app	
Flat tyre.....	424	Burmester® 3D surround sound system.....	399	Overview.....	402
Overview of aids.....	20	Calls, Telephone operation		Recording video.....	403
Tow-starting.....	433	Accepting.....	361	Settings.....	403
Towing methods.....	432	Activating functions during a call.....	361	Taking a photo.....	403
Transporting the vehicle.....	432	Calls with several participants.....	361	Car key	84
Wheel change.....	445	Declining.....	361		
Burmester® 3D surround sound system		Ending a call.....	361	Car wash	
Adjusting the balance/fader.....	400	Incoming call during an existing call.....	362	Automatic car wash.....	412
Adjusting the sound focus.....	401	Making.....	361	High-pressure cleaner.....	413
Adjusting treble, mid-range and bass settings.....	400	Telephone.....	361	Washing by hand.....	413
Automatic loudness normalisation.....	400	Camera		Car-to-X-Communication	
Calling up the sound menu.....	399	360° camera.....	248	Display on map.....	349
Information.....	399	Button.....	253	Overview.....	349
Selecting sound profile.....	400	Care.....	415	Sending hazard warnings.....	350
C		Cleaning.....	415		
Call list		Driver camera.....	309	Care	
Deleting.....	363	Function.....	248	Air/water duct.....	411
				Automatic car wash.....	412
				Camera.....	415
				Car parts.....	415

Decorative foil.....	414	Centre airbag (driver's seat backrest)	
Display.....	417	Inflating.....	52
Exterior lighting.....	415	Information.....	58
Genuine wood/trim elements.....	417	Charging	
Head-up display.....	417	12 V battery.....	431
High-pressure cleaner.....	413	Charge level display.....	328
Paint.....	414	Charging cable control panel.....	186
Plastic trim.....	417	Charging station, mode 3.....	183
Roof lining.....	417	Ending the charging process (alternating current, mode 2/3).....	190
Seat belt.....	417	Ending the charging process (direct current, mode 4).....	195
Steering wheel.....	417	Flexible charging system Pro.....	186
Trailer hitch.....	415	Indicator lamps on vehicle socket.....	187
Vehicle interior.....	417	Mains socket, mode 2.....	182
Vehicle socket for the high-voltage battery.....	415	Maximum charging current (mains socket).....	185
Washing by hand.....	413	Notes on charging the high-voltage battery.....	179
Wheels/rims.....	415	Notes on the high-voltage battery.....	430
Care of the plastic trim	417	Rapid charging station, mode 4.....	184
Care of the roof lining	417	Recuperation.....	174
Care of the steering wheel	417	Starting the charging process (alternating current, mode 2/3).....	188
Caring for rims	415		
Central locking system			
Button.....	94		
Key.....	85		
		Starting the charging process (direct current, mode 4)	193
		Stowing the charging cable	182
		USB port	130
		Wallbox, mode 3	183
		Charging cable	
		Control panel.....	186
		Flexible charging system Pro.....	186
		Stowing.....	182
		Charging menu	328
		Charging near destination	
		Route.....	338
		Charging process	
		Paying.....	336
		Charging settings	326
		Charging stations	
		Showing on the map.....	335
		Charging system	186
		Checking tyre pressure	439
		Child safety lock	
		Rear door.....	81
		Side window (rear).....	82

Child seat

Adjusting the vehicle seat.....	75
Approval categories.....	66
Basic instructions.....	60
Brief overview of most important points...	59
Fitting ISOFIX/i-Size.....	77
Front passenger seat.....	64
Overview of warning stickers.....	63
Rearward-facing.....	66
Recommendations for child restraint systems.....	68
Risks/dangers.....	61
Seats suitable for belt-secured child restraint systems.....	73
Seats suitable for i-Size child restraint systems.....	73
Seats suitable for ISOFIX child restraint systems.....	71
Securing to the front passenger seat with the seat belt.....	80
Securing to the rear seat with the seatbelt.....	80
Top Tether.....	79
Without automatic co-driver airbag shutoff.....	66

Children

Avoiding dangers in the vehicle.....	61
Basic instructions.....	60
Chock	444
Classic menu display content	
Selecting.....	280
Clean varnish	414
Cleaning	
Air/water duct.....	411
Automatic car wash.....	412
Camera.....	415
Car parts.....	415
Decorative foil.....	414
Genuine wood/trim elements.....	417
High-pressure cleaner.....	413
Paint.....	414
Sensors.....	415
Vehicle interior.....	417
Vehicle socket for the high-voltage battery.....	415
Washing by hand.....	413
Cleaning carpet	417
Cleaning the seat cover	417

Climate control, Air conditioning system

Activating/deactivating.....	156
Air distribution.....	155, 156
Air vents (front).....	162
Air vents (rear).....	162
Airflow.....	155, 156
Demisting the windscreen.....	155, 156
Demisting windows.....	158
Immediate pre-entry climate control.....	161
Notes.....	155
Operating unit.....	155, 156
Pre-entry climate control for departure time.....	159
Pre-entry climate control when the vehicle is unlocked.....	158
Rear window heater.....	155, 156
Switching air-recirculation mode on/off.....	158
Switching the A/C function on/off (MBUX).....	157
Synchronisation function.....	157
Temperature.....	155, 156
Ventilation with convenience opening.....	109
Close-range braking, Manoeuvring assistant	266

Close-range braking support	265	Connection status	
Co-driver airbag shutoff, PASSENGER AIR BAG OFF	48	Displaying.....	389
COC papers, Certificate of conformity	452	Overview.....	389
Cockpit		Contacts, Address book, Phone book	
Overview (MBUX Hyperscreen).....	8	Calling up.....	362
Collision detection (parked vehicle)		Information.....	362
Information.....	202	Making a call.....	362
Setting.....	202	Name format.....	362
Collision protection		Note about suggestions.....	360
Close-range braking.....	266	Options.....	363
Drive Away Assist.....	264	Selecting options for suggestions.....	361
Combination switch		Control elements:	24
Lights.....	141	Convenience closing	109
Windscreen wipers.....	149	Convenience opening	109
Communication module		Coolant	
Disconnecting automatically from the Internet.....	387	Capacity.....	591
Setting up an Internet connection.....	386	Notes.....	591
Components subject to radio regulations		Cooling	155, 156
Declaration of conformity.....	28	Copyright	39
Configuring settings		Correct use	34
Camera app.....	403	Cross traffic (warning)	265
Cruise control		Crosswind Assist	207
activating/deactivating.....	213		
Calling up a speed.....	213		
Function.....	212		
Requirements:.....	213		
Setting a speed.....	213		
Storing a speed.....	213		
Cup holder		D	
Rear.....	131		
Damage		Damage	
Limited protection.....	53		
Data processing in the vehicle	36		
Data protection		Data processing	
Granting authorisations.....	313		
Data protection rights	39		
Data storage		Data storage	
Data protection rights.....	39		
Electronic control units.....	36		
Online services.....	38		
Deactivating the alarm	111		
Dealership	33		

Declaration of conformity	
Battery.....	30
Components subject to radio regulations.....	28
Electromagnetic compatibility.....	28
Jack.....	31
TIREFIT kit.....	31
Decorative foil	414
Deployed components	
Limited protection.....	53
Deployment situations	52
Destination	
Editing intermediate destinations.....	341
Destination entry	
Entering an intermediate destination.....	340
Detecting inattentiveness	210
Diagnostics connection	32
Digital Owner's Manual	22
Digital service report	420
Digital Vehicle Key	
Function.....	88
managing.....	90
Operating the vehicle (Wallet-app).....	91
Problem	97
remove.....	90
Setting up.....	88
Unlocking setting.....	92
Direct commands	
Voice commands for MBUX voice assistant.....	302
DIRECT SELECT	
Operating.....	169
DIRECT SELECT lever	
Establishing operational readiness.....	166
Switching on the vehicle.....	165
Disconnect device (high-voltage on-board electrical system)	164
Display	
Care.....	417
Display (driver's display)	
Overview of displays.....	283
Display message	
Calling up on driver display.....	597
Notes.....	597
Display messages	
--- km/h.....	662
LIM	
--- km/h.....	659
12 V on-board electrical system	
Visit workshop.....	674
Acoustic presence indicator	
inoperative.....	623
ATTENTION ASSIST	
currently restricted See Owner's Manual.....	653
ATTENTION ASSIST limited	
Camera inoperative Consult workshop...	654
ATTENTION ASSIST Microsleep	
Take a break!.....	653
ATTENTION ASSIST restricted:	
interior camera currently unavailable.....	654
ATTENTION ASSIST restricted:	
interior camera view limited.....	653
ATTENTION ASSIST: Take a break!.....	652

Aufmerksam bleiben, sonst wird Nothalt eingeleitet (yellow display message).....	652	Check tyre(s).....	677	Front left turn signal.....	616
Aufmerksam bleiben! (white display message).....	652	Cooling system malfunction Stop immediately Switch off the vehicle.....	625	Front right malfunction Consult workshop.....	599
Automatic driving lights inoperative.....	611	Currently unavailable Charge high-voltage battery.....	621	Front right parking lights.....	613
Battery capacity too low Stop Charge immediately.....	628	Currently unavailable High-voltage battery charging incomplete.....	620	Front right turn signal.....	616
Battery overheated Stop, everybody out! Outdoors if possible.....	629	currently unavailable See Owner's Manual (ABS and ESP [®]).....	655	Have high-voltage system checked See Owner's Manual.....	622
Bonnet not locked Close before starting journey (red display message)....	640	currently unavailable See Owner's Manual (ESP [®]).....	656	High-voltage system malfunction.....	622
Brake immediately.....	647	Digital Vehicle Key Charge device.....	609	inoperative See Owner's Manual (ABS and ESP [®]).....	656
Camera view restricted See Owner's Manual.....	669	Do not forget key.....	609	inoperative See Owner's Manual (ESP [®]).....	657
Caution Brakes overheated Drive carefully.....	647	Do not leave persons or animals in the vehicle.....	604	inoperative See Owner's Manual (EBD, ABS and ESP [®]).....	658
Change key batteries.....	604	Front left malfunction Consult workshop.....	598	Inoperative.....	673
Charger cable connected.....	625	Front left parking lights.....	613	Intensive cleaning activated for 30 s.....	633
				Key being taught in Please wait....	606
				Key being taught in Please wait....	609

 Key does not belong to vehicle.....	609
 Key not detected (red display message).....	605
 Key not detected (white display message).....	605
 Key not detected Place Digital Vehicle Key in inductive charging bracket.....	607
 Key not detected.....	607
 Left brake lamp.....	617
 Left cornering light.....	614
 Left daytime running lights.....	615
 Left low beam.....	613
 Left main beam.....	615
 Left mirror turn signal.....	617
 Left tail light.....	614
 Left window airbag malfunction Consult workshop.....	601
 Malfunction See Owner's Manual.....	610
 (1) Malfunction See Owner's Manual.....	646
 (1) Malfunction Stop vehicle.....	647
 Malfunction Visit workshop.....	629
 Malfunction.....	629
 Maximum speed exceeded.....	660
 Number plate lamp.....	619
 Off.....	663
 HOLD Off.....	658
 (P) Parking brake See Owner's Manual.....	648
 (P) Parking brake Switch on vehicle to release.....	651
 LIM passive.....	659
 Pre-entry climate control via key available again after starting vehicle.....	621
 Pre-entry climate control via key currently unavailable. High-voltage battery low.....	621
 Rear fog light.....	618
 Rear left turn signal.....	616
 Rear right turn signal.....	617
 Rectify tyre pressure.....	678
 Reduce speed.....	679
 (P) Release parking brake.....	651
 Replace key See Owner's Manual.....	608
 Replace key.....	610
 Reserve level Charge high-voltage battery.....	630
 Restraint system malfunction Consult workshop.....	598
 Restricted during trailer operation.....	670
 Reversing light.....	618
 Right brake lamp.....	618
 Right cornering light.....	614
 Right daytime running lights.....	616
 Right low beam.....	614

 Right main beam	615	 Stop immediately Drive will be deactivated Charge high-voltage battery	623	 Trailer coupling Check lock (red display message)	635
 Right mirror turn signal	617	 Stop Switch off the vehicle	630	 Trailer coupling Check lock (white display message)	634
 Right tail light	615	 Stop vehicle Leave vehicle on to charge the 12 V battery	675	 Trailer left turn signal	619
 Right window airbag malfunction Consult workshop	601	 Stop vehicle See Owner's Manual	674	 Trailer right turn signal	619
 Second row of seats, left Malfunction Consult workshop	600	 suspended	662	 Trailer tail light	620
 Second row of seats, right Malfunction Consult workshop	600	 Switch off lights	611	 Tyre(s) overheated	679
 Start the vehicle to charge the 12 V battery	675	 Switch on headlamps	611	 Warning tyre malfunction	678
 Steering malfunction Drive carefully Visit workshop	638	 temporarily unavailable Sensors dirty	668	 Wheel sensor(s) missing	677
 Steering malfunction Increased physical effort See Owner's Manual	639	 Third brake lamp	618	 400 V charging unavailable Use 800 V charging stations	626
 Steering malfunction Stop immediately See Owner's Manual	638	 Top up coolant See Owner's Manual	624	 AC charging inoperative Consult workshop	626
 Stop immediately Close bonnet completely (red display message)	640	 Top up washer fluid	633	 Active Blind Spot Assist and exit warning inoperative	667
		 Towing not permitted See Owner's Manual	623	 Active bonnet malfunction See Owner's Manual	639
		 Trailer brake lamp	619	 Active Brake Assist Functions currently limited See Owner's Manual	664

Active Brake Assist Functions limited See Owner's Manual.....	664	Active Steering Assist currently unavailable due to multiple emergency stops.....	665	Auxiliary battery malfunction (white display message).....	645
Active Distance Assist available again.....	663	Active Steering Assist currently unavailable See Owner's Manual.....	665	Blind Spot Assist and exit warning inoperative.....	667
Active Distance Assist currently unavailable See Owner's Manual.....	663	Active Steering Assist inoperative.....	665	Cannot start vehicle See Owner's Manual.....	623
Active Distance Assist inoperative.....	663	Adaptive Highbeam Assist currently unavailable See Owner's Manual.....	612	Charge high-voltage battery if the vehicle will be parked for an extended period at low outside temperatures.....	627
Active Emergency Stop Assist currently unavailable See Owner's Manual...	666	Adaptive Highbeam Assist inoperative....	613	Check brake pads See Owner's Manual.....	648
Active Emergency Stop Assist inoperative.....	666	Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual...	612	Consult workshop without changing the transmission position.....	645
Active Lane Keeping Assist currently unavailable See Owner's Manual.....	667	Adaptive Highbeam Assist Plus inoperative.....	612	Consult workshop without starting the vehicle again.....	630
Active Lane Keeping Assist functions restricted See Owner's Manual.....	668	Apply brake to deselect P position.....	642	Cruise control and Limiter inoperative....	659
Active Lane Keeping Assist inoperative...	667	Apply brake to engage D or R.....	642	Cruise control inoperative.....	659
Active Parking Assist and PARKTRONIC inoperative See Owner's Manual.....	673	Apply parking brake to park Visit workshop.....	642	Cruise control off.....	659
		Auxiliary battery malfunction (red display message).....	645	DC charging inoperative Consult workshop.....	626

Drive malfunction Achievable speed severely limited See Owner's Manual.....	630	Head-up display inoperative.....	637	N automatically activated Please engage transmission position again.....	644
Drive malfunction Stop Consult work- shop.....	646	High-voltage battery malfunction. Consult workshop without starting the vehicle again.....	630	N is selected Please select desired transmission position.....	642
Drive malfunction Stop Restart vehicle...	645	High-voltage battery malfunction. No start in approx. XXX km Consult work- shop (yellow display message).....	631	Not possible to unlock charging cable See Owner's Manual.....	626
Driver assistance systems not yet ready Please drive carefully See Own- er's Manual.....	661	High-voltage battery malfunction. No start in approx. XXX km Consult work- shop (red display message).....	631	Occupant presence reminder inopera- tive.....	604
Emergency stop initiated To cancel: operate steering wheel and a pedal.....	666	Inoperative indicator lamp in driver display. Consult workshop.....	620	Output severely limited See Owner's Manual.....	627
Front passenger airbag disabled See Owner's Manual.....	602	Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual.....	673	Parking assistance inoperative.....	672
Front passenger airbag enabled See Owner's Manual.....	603	Limited parking assistance available.....	671	Parking camera and parking assis- tance inoperative.....	671
Hazard warning lamp system Malfunc- tion.....	620	Limiter inoperative.....	660	Parking procedure aborted.....	671
Head-up display Brightness currently reduced See Owner's Manual.....	637	Login failed Change authentication method or charging station.....	628	PARKTRONIC and manoeuvring assis- tant unavailable at rear when towing a trailer.....	672
Head-up display currently unavailable See Owner's Manual.....	637	MULTIBEAM LED Functions limited.....	611	PARKTRONIC inoperative See Own- er's Manual.....	672

Place the key in the marked space		
See Owner's Manual.....	606	
Please wait in READY status Battery is warming up See Owner's Manual.....	628	
PRE-SAFE inoperative See Owner's Manual.....	670	
PRE-SAFE PLUS inoperative See Owner's Manual.....	670	
Preparing drive system.....	622	
Rear parking assistance unavailable in trailer operation.....	671	
Reversing not poss. Consult workshop...	644	
Risk of vehicle rolling away Apply parking brake to park.....	643	
Risk of vehicle rolling away Driver's door open Transmission not in P.....	642	
Risk of vehicle rolling away N activated manually No automatic switch to P...	643	
Searching for key in stowage tray or Digital Vehicle Key in inductive charging bracket... See Owner's Manual.....	606	
To shift to N, hold selector lever longer in position N.....	644	
To start vehicle, apply brakes and select drive range D or R.....	641	
To switch off the vehicle, press the P button for at least 3 seconds or press 3 times.....	641	
Traffic Sign Assist currently unavailable See Owner's Manual.....	660	
Traffic Sign Assist inoperative.....	660	
Transmission Malfunction Stop.....	644	
Tyre press. monitor currently unavailable.....	676	
Tyre press. monitor inoperative.....	676	
Tyre pressure monitor inoperative No tyre pressure sensors.....	676	
Vehicle is ready to drive Shutdown occurs when locked or automatically in a few minutes.....	632	
Vehicle not currently being charged		
Charging station fault.....	626	
Wiper Malfunction.....	633	
Displaying road names/house numbers.....	351	
Distance Assist DISTROニック		
Activating/deactivating.....	218	
Activating/deactivating the variable limiter.....	218	
Calling up a speed.....	218	
Emergency Stop function.....	226	
Function.....	215	
Increasing/decreasing the speed.....	218	
Lane Change Assist.....	228	
Route-based speed adaptation.....	222	
Speed Limit function.....	221	
Storing a speed.....	218	
Distance control.....	215	
Distance warning.....	230	
DISTRONIC.....	215	

Door		Driver's display, Instrument cluster	
Additional door lock.....	93	Classic menu.....	280
Child safety lock (rear door).....	81	Head-up display.....	281
Emergency key.....	101	Menus.....	279
Opening (from the inside).....	93	Navigation menu.....	281
Pulling out the door handle manually.....	97	Notes.....	277
Unlocking (inside).....	93	Operating.....	278
Door control panel		Status displays.....	283
Seat operation.....	18	Understated menu.....	280
Drinks holder	135	Warning/indicator lamps.....	12, 680
Drive Away Assist	264	Driver's seat	
Drive program display	178	Adjusting (without seat comfort).....	115
Drive programs		Adjusting electrically.....	117
Function.....	177	Easy entry and exit feature.....	123
Selecting.....	178	Seat heating.....	122
Drive system		Driving abroad	
Manual switch-off.....	164	Light adjustment low beam.....	140
Driver camera		Driving safety system	
Activating/deactivating.....	310	ABS (Anti-lock Braking System).....	205
Function.....	309	Adaptive brake lights.....	209
Driver display		ATTENTION ASSIST.....	210
Identifying malfunctions.....	278	BAS (Brake Assist System).....	205
		Blind Spot Assist/Blind Spot Assist	
		Plus.....	239
		Brake Assist.....	230
		Cameras	203
		Cruise control	212
		EBD (Electronic Brakeforce Distribution)	207
		ESP[®] (Electronic Stability Program)	206
		Hill Start Assist	209
		HOLD function	208
		Lane Change Assist	228
		Lane keeping function	243
		Overview	204
		Radar and ultrasonic sensors	203
		STEER CONTROL	208
		Steering Assist	224
		Traffic Sign Assist	234
		Your responsibility	203
		Driving system	204
		Driving tips	171
		General driving tips.....	171
		Light adjustment when driving abroad.....	140
		Recuperation.....	174
		Running-in notes.....	171
		Drowsiness detection	210
		Duplicate key	97
		Dynamic handling control system	206

Dynamic low beam	
Overview.....	142
DYNAMIC SELECT	
Configuring drive program I.....	179
Drive program display.....	178
Drive programs.....	177
Function.....	177
Selecting the drive program.....	178
 E	
Easy entry feature	
Function.....	123
Setting.....	124
Easy exit feature	
Function.....	123
Setting.....	124
EBD, Electronic Brakeforce Distribution.....	207
ECO Assist	
Function.....	176
Electric Intelligence	
Route with charging stations.....	333
Electric parking brake	
Applying automatically.....	199
Emergency braking	
Manually applying/releasing.....	200
Releasing automatically.....	200
Emergency fuses	
.....	433
Electromagnetic compatibility	
Declaration of conformity.....	28
Electronic Stability Program	
.....	206
Emergency	
Fire extinguisher.....	424
First-aid kit (soft sided).....	424
Overview of aids.....	20
Safety vest.....	422
Warning triangle.....	423
Emergency braking	
Brake Assist.....	230
Brake Assist System.....	205
Carrying out.....	201
Electric parking brake/handbrake.....	199
Emergency call	
Automatic.....	379
Manual.....	380
Emergency call system	
Digital Extras.....	379
Emergency key	
Door.....	101
Emergency operation mode	
Establishing operational readiness.....	168
Emergency shutoff (high-voltage on-board electrical system).....	164
Emergency start (drive system).....	433
Emergency Stop function	
.....	226
Engages neutral	
.....	169
Engaging drive position	
.....	169
Engaging reverse gear	
.....	169
Engine	
Engine number.....	588
switching off (start/stop button).....	197
Engine electronics	
.....	452
Engine number	
.....	588
Environmentally friendly driving	
.....	23
ESC, Electronic Stability Control.....	206
ESP®	
Activating/deactivating.....	207
Crosswind Assist.....	207
Function.....	206

Trailer stabilisation.....	207	First aid	
Establishing		First-aid kit (soft sided).....	424
operational readiness.....	166	Fitting	
		Snow chains.....	436
Establishing operational readiness		Tyres/wheels.....	448
Emergency operation mode.....	168	Fitting accessories	
EU type approval number	588	Limited protection.....	53
Exit warning		Fitting the licence plate (front)	28
Blind Spot Assist/Blind Spot Assist		Flat towing	
Plus.....	239	Pulling/towing.....	275
Exiting a parking space		Flat tyre	
Drive Away Assist.....	264	Notes.....	424
Parking Assist.....	257	TIREFIT kit.....	425
PARKTRONIC.....	254	Wheel change.....	445
Exterior lighting		Flexible charging system Pro	186
Care.....	415	Floor mats	138
Light adjustment when driving abroad....	140	Foil covering	
F		On camera/sensors.....	203
Fatigue detection	210	Radar and ultrasonic sensors.....	203
Fault message		Free software	39
Driver's display.....	597	Frequencies	
Fire extinguisher	424	Mobile phone.....	453
		Two-way radio.....	453
		Front airbag	58
		Inflating.....	52
		Front headlamps	140
		Front load compartment	125
		Front passenger airbag	
		Disabling/enabling.....	47
		Front passenger airbag shutoff	
		Information (child restraint system on	
		the front passenger seat).....	64
		Front passenger display	
		Camera-based locking concept.....	285
		Information.....	394
		Operating.....	394
		Overview.....	285
		Front passenger seat	
		Adjusting (without seat comfort).....	115
		Adjusting electrically.....	117
		Front-end flap	
		Active front-end flap.....	100
		Notes on loading.....	125
		Opening/closing.....	99
		Function in the event of an accident	52
		Function seat	18

Fuses

Boot.....	435
Engine compartment.....	434
Front passenger footwell.....	434
Fuse assignment diagram.....	433
Notes.....	433

G

General driving tips.....	171
Genuine parts.....	23
Glove compartment.....	130
Grab handles.....	114
Gross mass.....	588

H

Handbrake.....	199
Handling characteristics	
Unusual.....	436
HANDS-FREE ACCESS	104
Hands-free system	357
Hazard warning lights	142

Hazard warnings

Car-to-X-Communication.....	349
-----------------------------	-----

Head restraint

Adjusting (rear).....	120
Adjusting manually (front).....	119

Head-up display

Care.....	417
Function.....	281
Operating.....	282
Switching on/off.....	282

Headlamp flashing

.....	141
-------	-----

Headlamps

.....	140
-------	-----

Heating

Activating/deactivating.....	156
Climate control.....	155, 156
Rear window.....	156
Seat.....	122
Steering wheel.....	123

Help call

Mercedes-Benz emergency call system..	379
---------------------------------------	-----

High beam

.....	141
-------	-----

High-pressure cleaner

.....	413
-------	-----

High-voltage battery

Charge level display.....	328
Charging cable control panel.....	186
Charging duration.....	593
Charging station, mode 3.....	183
Connection types.....	593
Disconnect device.....	164
Ending the charging process (alternating current, mode 2/3).....	190
Ending the charging process (direct current, mode 4).....	195
Flexible charging system Pro.....	186
General notes on charging.....	179
Mains socket, mode 2.....	182
Maximum charging current (mains socket).....	185
Notes.....	430
Range.....	593
Rapid charging station, mode 4.....	184
Recuperation.....	174
Starting the charging process (alternating current, mode 2/3).....	188
Starting the charging process (direct current, mode 4).....	193
Stowing the charging cable.....	182

Type.....	593	Importer information	Ambient lighting.....	148	
Voltage types.....	593	Regulatory radio information.....	588	Setting.....	147
Wallbox, mode 3.....	183				
High-voltage on-board electrical system		In-Car App Pass	Interior protection	113	
Charging cable control panel.....	186	.....	.....
Disconnect device.....	164	In-Car Apps	Intermediate destination	340	
Indicator lamps on vehicle socket.....	187	.....	Editing.....	341
Manual switch-off.....	164	.....	Starting the automatic service station	
Hill Start Assist	209	.....	search.....	343
HOLD function	208	In-Car Calendar	Internet		
Function.....	208	.....	Setting up a Wi-Fi hotspot.....	314
Switching on/off.....	208	Incorrect behaviour by vehicle occupants			
I		.....		
i-Size child restraint system		Increase in traffic information volume	Internet connection		
Fitting.....	77	.....	.....	389
Suitable seats.....	73	Setting.....	.....	387
Identification plate		Indicator lamps/warning lamps	.....	389
Engine.....	588	.....	.....	385
Vehicle.....	588	Individual drive program	.....	385
Immediate pre-entry climate control	161	Configuring.....	.....	388
Immobiliser	110	Inside rearview mirror	Setting access data (Bluetooth®).....	388	
Implied warranty	35	.....	Setting up (communication module).....	386
		Intelligent Status & Service	Setting up (Wi-Fi).....	387	
		.....	Setup (Bluetooth®).....	388
		Interior lighting			
		Activating/deactivating.....	iPhone®		
			Smartphone integration.....	366	

ISOFIX child restraint system

- Fitting..... 77
- Suitable seats..... 71

J**Jack**

- Declaration of conformity..... 31
- Storage location..... 444

Jump-start connection..... 431**K****Key**

- acoustic locking verification signal..... 85
- Battery..... 86
- Deactivating a function..... 85
- Energy consumption..... 85
- Function..... 84
- Problem..... 97
- Replacement key..... 97
- Unlocking setting..... 85

KEYLESS-GO

- Deactivating..... 85
- Locking/unlocking the vehicle..... 94
- Problem..... 97

Knee airbag..... 58**L****Lane Change Assist**

- Activating/deactivating..... 230
- Function..... 228

Lane keeping function..... 243

- Activating/deactivating..... 245
- Setting the sensitivity..... 246
- Trailer operation..... 243

Lane recognition

- Lane Change Assist..... 228
- Lane keeping function..... 243

Language

- Notes..... 315
- Setting..... 316

Light adjustment

- Driving abroad..... 140

Light switch..... 140**Lighting**

- Interior lighting..... 147

Lights

- Adaptive brake lights..... 209

Adaptive Highbeam Assist..... 143**Adaptive Highbeam Assist Plus**..... 144**Automatic driving lights**..... 141**Combination switch**..... 141**Dynamic low beam**..... 142**Hazard warning lights**..... 142**High beam**..... 141**Interior**..... 147**Interior lighting**..... 147**Light adjustment when driving abroad**.... 140**Locator lighting**..... 147**Reading lamp**..... 147**Responsibility for lighting systems**..... 140**Setting low beam**..... 146**Switch-off delay time**..... 147**Turn signal light**..... 141**Limiter****Activating/deactivating**..... 213, 218**Buttons**..... 213**Calling up a speed**..... 213**Function**..... 212**Passive mode**..... 212**Permanent setting**..... 215**Requirements:**..... 213**Selecting**..... 213

Setting a speed.....	213	Low beam	Drive Away Assist.....	264
Storing a speed.....	213	Activating/deactivating.....	140	
Live Traffic Information	349	Left-hand/right-hand traffic.....	146	
Displaying the traffic map.....	347	Light adjustment when driving abroad....	140	
Displaying traffic incidents.....	348	Setting.....	146	
Load capacity		lubricants	590	
Bicycle rack.....	596	Luggage	125	
Loading		Luggage rack	125	
Notes.....	125			
Tie-down eyes.....	135	M		
Loading guidelines	125	Maintaining safe distance		
Loads	125	Distance Assist DISTROニック.....	218	
Locator lighting	147	Maintenance, Digital Service		
Locking/unlocking		Booklet (DSB).....	409	
Additional door lock.....	93	Digital service report.....	420	
Doors (from the inside).....	93	Service information.....	420	
Emergency key.....	101	Maintenance work, Information on		
KEYLESS-GO.....	94	regular performance.....	409	
Mercedes-Benz Connect.....	93	Malfunction		
NFC function.....	92	Driver display.....	278	
Wallet-app.....	91	Restraint system.....	43	
Loud sound		Manoeuvring		
PRE-SAFE® Sound.....	49	Close-range braking.....	266	
Map, Traffic map				
Charging stations.....	335			
Displaying online map contents.....	353			
Displaying the map version.....	352			
Displaying the satellite map.....	353			
Displaying the traffic map.....	347			
Displaying weather information.....	353			
Moving.....	351			
Selecting additional information.....	352			
Setting the map scale.....	351			
Setting the map scale automatically.....	352			
Updating.....	352			
Map functions	351			
Massage programmes	121			
Maximum full-stop braking	205			
Maximum permissible gross vehicle mass	588			
Maximum speeds	593			
Maximum state of charge				
Setting.....	328			
MBUX Interior Assistant				
Camera & parking.....	309			
Driver camera.....	309			

MBUX multimedia system	
Activating and starting routines.....	292
Adjusting the volume.....	308
Authorisations.....	313
Calling up the zero layer.....	290
Creating routines.....	293
Drive programs.....	179
ENERGIZING seat kinetics.....	329
Language settings.....	296
MBUX Virtual Assistant.....	291
Operating the zero layer.....	290
Overview.....	285
Personalised routines.....	291
Selecting routines.....	293
Setting route-based speed adaptation....	223
Snow chain mode.....	437
Steering wheel/seat heating.....	123
Switching the sound on/off.....	307
Zero layer.....	288
MBUX Virtual Assistant	
Function examples and visualisations.....	291
Useful information.....	291
MBUX Voice Assistant.....	296
Function.....	296
Language setting.....	297
Media voice commands.....	300
Online voice commands.....	301
Online voice control.....	299
Operable functions.....	297
Operating safety.....	296
Setting.....	297
Speech quality.....	298
Voice commands.....	299
Voice prompting.....	297
Media mode	
Adding a favourite song.....	393
Connecting Bluetooth® audio equipment.....	392
Connecting USB mass storage devices...	391
Controlling media playback.....	392
Copyright and trademarks.....	390
Information.....	394
Information about the search function in categories.....	393
Overview of the media menu.....	391
Playing back similar music tracks.....	393
Removing a favourite song.....	393
Starting a search in categories.....	393
Starting and operating playback.....	394
Starting media playback.....	392
Supported formats and data storage media.....	389
Surprise mix.....	393
Using the keyword search.....	393
Medical aids.....	35
Memory function.....	124
Seat.....	125
Menus (driver's display)	
Classic menu.....	280
Navigation.....	281
Notes.....	279
Understated menu.....	280
Mercedes Virtual Assistant	
Configuring.....	302
Mercedes-Benz Charge, Paying	
Charging stations display.....	336
Mercedes-Benz Connect	
Accident/breakdown management.....	376
Information.....	376
Mercedes-Benz Connect calls	
Arranging a service appointment.....	373

Calling the Mercedes-Benz Customer Centre after automatic accident/breakdown detection.....	372	Overview.....	363	MULTIBEAM LED.....	142
Consenting to transfer of data.....	374	Read-aloud function.....	364	Adaptive Highbeam Assist.....	143
Mercedes-Benz Customer Centre.....	372	Reading.....	364	Adaptive Highbeam Assist Plus.....	144
Transferred data.....	374	Replies.....	364		
Mercedes-Benz emergency call system,		Sending.....	364		
Call for help		Setting the displayed text messages.....	364		
Automatic emergency call.....	379	Using a phone number or URL.....	365		
Availability.....	377	Messaging			
Data processing.....	383	Configuring.....	302		
Data transfer.....	381	Mirror heater	158		
Manual emergency call.....	380	Mirrors			
Overview.....	379	Mirror folding function.....	154		
Self-diagnosis.....	383	Outside mirrors.....	151		
Mercedes-Benz GenuineParts	23	Rear-view mirror.....	152		
Mercedes-Benz service centre	33	Mobile phone			
Message memory	597	Cancelling permission for Internet connection.....	389		
Messages , Short messages, Text messages		Frequencies.....	453		
Calling a message sender.....	364	Maximum transmission output.....	453		
Deleting.....	365	Model type	588		
Dictating.....	364	Modification			
Forwarding.....	364	Limited protection.....	53		
				N	
				Navigation	
				Electric Intelligence.....	333
				MBUX voice commands.....	299
				Menu (driver display).....	281
				Overview.....	330
				Route with charging stations.....	333
				Updating the map data.....	352
				Navigation announcements	
				Activating/deactivating.....	346
				Adjusting the volume.....	346
				Repeating.....	347
				Switching audio fadeout on/off.....	346
				Near-Field Communication (NFC)	
				Unlocking/locking the vehicle (Digital Vehicle Key).....	92
				Nodding off	210
				Notifications Centre	
				Calling up a notification.....	295
				Editing a notification.....	296

Message types.....	294
Overview.....	294
O	
Objects in the vehicle interior	
Limited protection.....	53
Occupant presence reminder	
Activating/deactivating.....	83
Function.....	83
Occupant safety	
Airbag.....	58
Basic information.....	40
Child seat.....	60
Information on the child restraint system.....	47
Information on the correct seat position.....	41
Occupant presence reminder.....	83
Pets in the vehicle.....	53
PRE-SAFE®.....	49
On-board diagnostics interface	
.....	32
On-board electronics	
Engine electronics.....	452
Two-way radios.....	452
Online services	
.....	38

Open Source Software		39
Opening the boot lid		
Wallet-app.....	91	
Opening the boot lid using your foot		
HANDS-FREE ACCESS.....	104	
Operating fluids		
Brake fluid.....	591	
Coolant.....	591	
Notes.....	590	
Windscreen washer fluid.....	592	
Operating safety		25
Operating the		
vehicle (Wallet-app).....	91	
Operational readiness		
DIRECT SELECT lever.....	166	
Outside mirrors		
Automatic mirror folding function.....	154	
Blind Spot Assist/Blind Spot Assist Plus.....	239	
Folding in/out.....	151	
Parking position.....	153	
Setting.....	151	
Warning lamp.....	239	
Overhead control panel		16
P		
Paint code		588
Parking		
Parking Assist.....	257	
PARKTRONIC.....	254	
Prior booking.....	355	
Parking Assist		257
Automatic braking function.....	263	
Close-range braking.....	266	
Cross traffic warning.....	265	
Drive Away Assist.....	264	
exiting a parking space.....	261	
Function.....	257	
initiating a pause.....	263	
parking.....	258	
Parking Assist PARKTRONIC		
Activating/deactivating.....	256	
Adjusting warning tones.....	256	
Parking assistance systems		
Close-range braking.....	266	
Drive Away Assist.....	264	
Parking Assist.....	257	

PARKTRONIC.....	254	PARKTRONIC.....	254	At departure time.....	160
Parking brake.....	199	Function.....	254	At time of departure.....	159
Parking charges		PASSENGER AIR BAG		immediate.....	161
Paying.....	356	Status display, front passenger airbag.....	46	When the vehicle is unlocked.....	159
Parking lights.....	140	Pedestrian protection.....	100	When vehicle is unlocked.....	158
Parking option		Permissible axle load.....	588	Pre-heating.....	158
Displaying on the map.....	354	Permitted towing methods		PRE-SAFE® , Anticipatory occupant protection.....	49
Parking position		Overview.....	431	Function.....	49
Outside mirrors.....	153	Personalised routines		PRE-SAFE® Sound.....	49
Storing the position of the passenger outside mirror using reverse gear.....	153	Activating and starting.....	292	Reversing measures.....	49
Parking service.....	354	Configuring.....	302	PRE-SAFE® curve warning.....	50
Displaying a parking option on the map..	354	Creating.....	293	Activating/deactivating.....	51
Paying parking charges.....	356	Overview.....	291	Function.....	50
Prior booking of a parking space.....	355	Selecting.....	293	PRE-SAFE® PLUS	
Selecting parking options.....	354	Pets in the vehicle.....	53	Function.....	49
Parking space		Post-collision brake.....	51	Reversing measures.....	49
Finding.....	354	Power closing function		Preventative occupant protection system.....	49
Parking support		Boot lid.....	102	Program.....	177
Activating/deactivating.....	267	Power display		Protection.....	52
Close-range braking.....	266	Function/notes.....	282	Limited.....	53
Cross traffic warning.....	265	Pre-entry climate control		Protection of the environment	
Drive Away Assist.....	264	activating/deactivating for departure time.....	161	Driving style.....	23

Take-back of end-of-life vehicles.....	23
Pulling away	
Drive Away Assist.....	264
Hill Start Assist.....	209
Pulling out the door handles	
manually.....	97
Q	
QR code rescue card	35
Qualified specialist workshop	33
R	
Radar and ultrasonic sensors	203
Radio	
Activating.....	395
Activating/deactivating radio text.....	398
Calling up a slide show.....	397
Calling up the station list.....	396
Deleting stations.....	396
Displaying radio text.....	398
Editing station presets.....	396
Entering a frequency directly.....	396
Frequency fix.....	397
Managing favourites.....	396

MBUX voice commands.....	300
Moving stations.....	396
Overview.....	395
Searching for a channel.....	396
Setting a channel.....	396
Setting station tracking.....	397
Setting the frequency band.....	395
Setting the traffic information service volume increase.....	398
Showing/hiding lyrics.....	398
Station suggestion.....	396
Storing radio stations.....	396
Switching a slide show off/on.....	397
Radio (audio system)	
Switching traffic announcements on/off.....	397
Radio announcements	
Activating or deactivating.....	397
Selecting.....	398
Radio regulations	
Importer information.....	588
Regulatory radio identification.....	457
Specific absorption rate.....	586
Wireless applications.....	453
Rain closing function	
Side windows.....	108
Rain sensor	
Side windows.....	108
Windscreen wipers.....	149
Range	
Notes.....	277
Range monitor	
Activating/deactivating.....	334
REACH regulation	34
Reading lamp	
Interior lighting.....	147
Rear door (child safety lock)	
Securing.....	81
Rear seat belt	
Status display.....	45
Rear window heater	155, 156
Rear-view mirror	
Automatic anti-glare mode.....	152
Rearward-facing child seat	
Information.....	66

Recordings		Reversing camera	
Camera app.....	403	360° Camera.....	246
Recuperation		Function.....	246
Function.....	174	Opening the camera cover.....	254
Setting.....	175	Roll away protection	208
Recycling	23	Roof load	593
Registration	34	Route	
Repair information for body refurbishment	421	Adjusting on the map.....	342
Replacement key	97	Alternative route.....	342
Responsibility		Calculating with Electric Intelligence.....	331
Driving safety systems.....	203	Charging near destination.....	338
Restraint system		Displaying destination information.....	340
Basic information.....	40	Displaying the route list.....	341
Basic instructions for children.....	60	Electric Intelligence.....	333
Deployment situations.....	52	Electric Intelligence (overview).....	332
Functionality.....	43	Navigation.....	330
Information on function.....	52	Planning.....	340
Information on the correct seat position...	41	Selecting a type.....	338
Limited protection.....	53	Selecting notifications.....	339
Malfunction.....	43	Selecting options.....	339
Protection.....	41	Selecting settings for charging sta- tions (navigation with Electric Intelli- gence).....	333
Self-test.....	43	Starting the automatic service station search.....	343
Warning lamp.....	43		
		Switching the range monitor on/off.....	334
		Route guidance	
		Changing direction.....	344
		Lane recommendations.....	345
		Notes.....	343
		Off-road.....	347
		Route guidance with augmented reality	
		Activating.....	351
		Activating/deactivating the traffic light view.....	239
		Displaying road names/house num- bers.....	351
		Overview.....	350
		Route-based , speed adaptation.....	222
		Route-based speed adaptation	222
		Function.....	222
		Setting.....	223
		Running-in notes	171
		S	
		Safety system	204
		Safety vest	422
		Satellite map	353

Searching for a channel	396	Warning lamp	44	Sensors	
Seat , Through-loading feature		Seat belt adjustment		Cleaning.....	415
Adjusting (without seat comfort).....	115	Activating/deactivating.....	51	Information.....	203
Adjusting electrically.....	117	Function.....	51	Service	409
Automatic adjustment.....	120	Seat belt tensioners		Prescribed service/maintenance work...	420
Configuring settings.....	120	Inflating.....	52	Service centre	33
Correct driver's seat position.....	114	Seat belt warning	44	Service information , Digital Service Book- let (DSB), Mercedes-Benz Service.....	420
ENERGIZING seat kinetics.....	329	Seat heating		Digital service report.....	420
Folding back the backrest (rear).....	134	Activating/deactivating.....	122	Notes on repairs following an accident...	421
Folding the backrest forwards (rear).....	132	Seat kinetics		Service interval display	409
Massage programmes.....	121	Setting.....	329	Service report	420
Memory function.....	125	Selecting park position	169	Service station search	
Settings.....	18	Selecting sound profile		Starting automatic search.....	343
Side airbag.....	58	Burmester® 3D surround sound sys- tem.....	400	Setting the date format	312
Workout programmes.....	121	Selector lever		Setting the distance unit	316
Seat belt		Operating.....	169	Shortening the braking distance	
Activating/deactivating seat belt		Self-test		Brake Assist System.....	205
adjustment.....	51	Automatic front passenger airbag shut		Side airbag	58
Adjusting the height.....	43	off.....	46	Side window	
Automatic tightening.....	51	Restraint system.....	43	Close with key.....	109
Care.....	417			Convenience closing.....	109
Fastening.....	43				
Notes on wearing correctly.....	42				
Rear seat belt status display.....	45				
Releasing.....	57				

Convenience opening.....	109	Sound settings	
Opening with the key.....	109	Adjusting treble, mid-range and bass	
Opening/closing.....	106	settings.....	399
Window films.....	415	Automatic loudness normalisation.....	399
Side windows		Calling up the sound menu.....	399
Automatic function.....	108	Setting the balance and fader.....	399
Child safety lock (rear).....	82	Spare parts	23
Problem.....	110	Spare wheel, Emergency spare wheel	450
Rain closing function.....	108	Specialist workshop	33
Skid chains	436	Specific absorption rate (SAR)	586
Snow chain mode	437	Speed	
Snow chains	436	Limit, Limiter.....	212
Socket		Speed control	
12 V (front passenger footwell).....	136	Cruise control.....	212
Trailer operation.....	271	Distance Assist DISTRONIC.....	215
Socket flap	179	Limiter.....	212
Opening.....	326, 328	Speed limit	
Sound		Winter tyres.....	215
PRE-SAFE® Sound.....	49	Speed Limit function	221
Wheels/tyres.....	436	Standing lights	140
Sound Experience		Start-off Assist	
Calling up Sound Experience.....	401	Drive Away Assist.....	264
Information.....	401	Hill Start Assist.....	209
Start-off assistance		Start/stop button	
Drive Away Assist.....	264	Parking the vehicle.....	197
Starting assistance		Starting-off aid	
		Hill Start Assist.....	209
State of charge		Station	
Setting.....	326	Deleting.....	396
Station		Entering a frequency directly.....	396
		Frequency fix.....	397
		Managing favourites.....	396
		Moving.....	396
		Setting.....	396
		Storing.....	396
Station list		Station list	
Calling up.....	396	Calling up.....	396
Station presets		Station suggestion	
Editing.....	396	Radio.....	396

Station tracking	
Setting.....	397
Status display	
Front passenger airbag.....	46
Rear seat belt.....	45
Status settings	
Calling up.....	328
Steer Assist	
STEER CONTROL.....	208
STEER CONTROL	208
Steering Assist	
activating/deactivating.....	226
Emergency Stop function.....	226
Function.....	224
Lane Change Assist.....	228
Steering Assist.....	224
Steering wheel	
Driver's airbag.....	58
Manually adjusting.....	122
Steering wheel heater	
activating/deactivating.....	123
decoupling from seat heating.....	123
Stopping	
Parking the vehicle.....	197
Storing the	
speed, cruise control.....	218
speed, DISTRO ^N IC.....	218
speed, limiter.....	218
Stowage areas	130
Stowage compartment	
Rear seat backrest.....	131
Stowage spaces	
Armrest (front).....	130
Centre console (front).....	130
Door.....	130
Glove compartment.....	130
Suggestions	
Configuring.....	293, 302
SVHC	
Substances of very high concern.....	34
Switch-off delay time	
Exterior.....	147
Switching air-recirculation mode on/off	158
Switching loudness normalisation on/off	
Burmester [®] 3D surround sound system.....	400
System settings	
Setting the distance unit.....	316
Setting the time zone.....	312
Setting the time/date format.....	312
Transmission of the vehicle position.....	313
T	
Take-back of end-of-life vehicles	23
Technical data	
Axle load (trailer operation).....	596
Fastening points of the trailer hitch.....	595
High-voltage battery.....	593
Information.....	452
Maximum speeds.....	593
Mounting dimensions of a trailer hitch....	595
Overhang dimension of the trailer hitch..	595
Radio frequencies.....	453
Radio regulations.....	457
Roof load.....	593
Specific absorption rate (SAR).....	586
Tongue weight.....	596
Towing capacity.....	595

Vehicle dimensions.....	593	Temperature and airflow			
		Setting.....	157	Tow bar system	
Telephone, Smartphone				Towing away.....	275
Activating functions during a call.....	361	THERMATIC			
Calls with several participants.....	361	Air conditioning control panel.....	155	Tow-away protection	112
Changing a function.....	360			Tow-starting	433
Charging wirelessly (mobile phone).....	137	THERMOTRONIC			
Connecting a mobile phone.....	359	Air conditioning control panel.....	156	Towing	
Deleting a mobile phone.....	360			Pulling/towing.....	275
Emergency call.....	379	Tie-down eyes	135	Towing methods.....	431
Incoming call during an existing call.....	362				
Information.....	358	Time		Towing eye	433
MBUX voice commands.....	300	Manual time setting.....	312	Storage location.....	432
Mobile phone usage.....	358	Setting the time zone.....	312		
Notes.....	357	Setting the time/date format.....	312	Towing methods	
Secure Simple Pairing.....	359			Both axles on the ground.....	432
Switching between mobile phones.....	359	TIREFIT kit, Tyre inflation compressor		Overview.....	431
Telephone menu overview.....	358	Declaration of conformity.....	31	Traffic announcements (audio system)	
Telephone operation.....	361	Storage location.....	425	Switching on/off.....	397
Voice recognition.....	360				
Television, Digital TV		Tone settings		Traffic information	349
MBUX voice commands.....	300	Information.....	398	Car-to-X-Communication.....	349
Temperature		Tongue weight	596	Displaying the traffic map.....	347
Setting.....	155, 156	Top Tether	79	Displaying traffic incidents.....	348
		Touch Control		Overview.....	347
		Driver's display.....	278		
		Touch-sensitive controls	24	Traffic light view	
				Activating/deactivating.....	239
				Information.....	239
				Traffic light warning/display	234

Traffic Sign Assist	
Function.....	234
Setting.....	238
Trailer coupling	268
Trailer drawbar , Pulling/towing.....	275
Trailer hitch	
Axe load.....	596
Bicycle rack.....	273
Care.....	415
Coupling up/uncoupling a trailer.....	271
Extending/retracting the ball neck (MBUX multimedia system).....	270
Fastening points.....	595
Folding the ball neck out/in.....	268
General notes.....	595
Mounting dimensions.....	595
Overhang dimension.....	595
Socket.....	271
Tongue weight.....	596
Towing capacity.....	595
Trailer operation	
Axe load.....	596
Bicycle rack.....	273
Blind Spot Assist Plus.....	242
Coupling up/uncoupling a trailer.....	271
Extending/retracting the ball neck (MBUX multimedia system).....	270
Folding the ball neck out/in.....	268
Lane keeping function.....	243
Making settings.....	273
Notes.....	267
Socket.....	271
Trailer stabilisation.....	207
Transferred vehicle data	
Apple CarPlay®.....	371
Transmission	
Drive programs.....	177
DYNAMIC SELECT button.....	177
Operating the DIRECT SELECT lever.....	169
Transmission position	
Selecting.....	169
Transporting	
Vehicle.....	432
Turn signal indicator.....	141
Turn signal light.....	141
TV	
MBUX voice commands.....	300
Two-way radios	
Frequencies.....	453
Installation.....	452
Transmission output.....	453
Type approval number EG.....	588
Tyre pressure	
TIREFIT kit.....	425
Tyre pressure table.....	438
Tyre pressure monitoring system	
Function.....	439
Restarting.....	440
Tyre pressure table.....	438
Tyre sealant.....	425
Tyre tread.....	436
Tyre type	
Selecting (MBUX).....	437
Tyre-change tool.....	444
Tyre-change tool kit.....	444
Tyres	
Breakdown.....	424
Checking.....	436
Checking temperature.....	439
Fitting.....	448

Interchanging.....	443	Updating software , System update, Update	
Noise.....	436	Error message.....	325
Notes on fitting.....	441	Information.....	316
Removing.....	448	Performing.....	316, 319, 322
Removing/fitting hub cap.....	445	USB port	137
Replacing.....	441, 445	Stowage compartments (front).....	130
Selection.....	441	USB port (multimedia system)	
Snow chains.....	436	Connecting mass storage devices.....	391
Storing.....	444	User profiles , Personalisation.....	303
TIREFIT kit.....	425	Adding a user.....	304
Tyre pressure table.....	438	Notes.....	302
Unusual handling characteristics.....	436	Overview.....	303
U		Requirements for use.....	303
Understated menu display content		Selecting a user.....	306
Selecting.....	280	Selecting options.....	304
Unfastening	57	Synchronising.....	307
Units of measurement		User-specific content.....	303
Setting.....	316	V	
Unlocking setting	85	Variable limiter	212
Digital Vehicle Key.....	92	Vehicle	
Unlocking/locking the vehicle		Activating.....	165
(NFC function).....	92	Additional door lock.....	93
		Collision detection (information)	202
		Correct use	34
		Data storage	36
		Diagnostics connection	32
		Emergency key	101
		Implied warranty	35
		KEYLESS-GO	94
		Lock/unlock (emergency key)	101
		Locking/unlocking (from inside)	94
		Lowering	449
		Medical aids	35
		not locking/unlocking	97
		Pulling out the door handle manually	97
		QR code rescue card	35
		Raising	446
		REACH regulation	34
		Registration	34
		Set collision detection	202
		Stopping	197
		SVHC/substances of very high concern	34
		Switching off	197
		switching off (start/stop button)	197
		Towing	275
		Towing away	431
		Transporting	432

Ventilation / convenience opening.....	109
Voice commands for MBUX voice assistant.....	300
Vehicle cameras	203
Vehicle data	
Maximum speeds.....	593
Roof load.....	593
Transferring to Apple CarPlay®.....	371
Vehicle height.....	593
Vehicle length.....	593
Vehicle width.....	593
Wheelbase.....	593
Vehicle dimensions	593
Vehicle identification number	588
Vehicle identification plate	
Axe load.....	588
EU type approval number.....	588
Gross mass.....	588
Model type.....	588
Paint code.....	588
VIN.....	588
Vehicle key	84

Vehicle location	
Switching transmission on/off.....	313
Vehicle sensors	203
Vehicle socket	
Care.....	415
Indicator lamps.....	187
Vehicle tool kit	
TIREFIT kit.....	425
Towing eye.....	432
Ventilation	109, 162
Vents	
Air vents.....	162
VIN	588
Engine compartment.....	588
Identification plate.....	588
Seat.....	588
Vision	
Demisting windows.....	158
Voice assistant	
Voice prompting.....	297
Voice recognition	360

W	
Wallet-app	
Operating the vehicle (Digital Vehicle Key).....	91
Warning system	111
Warning triangle	423
Warning/indicator lamp	
 ABS warning lamp.....	689
 ATTENTION ASSIST warning lamp.....	691
 Brake Assist warning lamp.....	692
 Brakes warning lamp (red).....	688
 Brakes warning lamp (yellow).....	687
 Electric parking brake indicator lamp (red).....	687
 Electric parking brake indicator lamp (yellow).....	687
 Electrical fault warning lamp.....	684
 ESP® OFF warning lamp.....	691
 ESP® warning lamp flashes.....	690

	ESP® warning lamp lights up.....	690
	Mercedes-Benz emergency call system warning lamp.....	693
	Occupant presence detection warning lamp (white).....	683
	Occupant presence detection warning lamp (yellow).....	684
	Power steering warning lamp (red).....	686
	Power steering warning lamp (yellow).....	686
	Reduced-power warning lamp.....	685
	Restraint system warning lamp.....	682
	Seat belt warning lamp flashes.....	683
	Seat belt warning lamp lights up.....	683
	System error warning lamp.....	684
	Traffic Sign Assist warning lamp.....	692
	Trailer hitch warning lamp.....	685
	Tyre pressure monitoring system warning lamp flashes.....	693
	Tyre pressure monitoring system warning lamp lights up.....	694
	Warning lamp for distance warning.....	692
Warning/indicator lamps		
	Driver's display.....	680
	PASSENGER AIR BAG.....	46
	Washer fluid	592
	Topping up.....	411
	Windscreen washer fluid.....	592
	Washing by hand	413
	Water tank	411
	Wear	
	Limited protection.....	53
	Weather information	353
	Website	
	Mercedes-Benz Connect.....	376
	Weight information	588
	Wheel change	
	Fitting a new wheel.....	448
	Lowering the vehicle.....	449
	Preparation.....	445
	Raising the vehicle	446
	Removing a wheel	448
	Removing/fitting hub caps	445
	Wheel rotation	443
	Wheels	
	Breakdown.....	424
	Care.....	415
	Checking.....	436
	Checking tyre temperature.....	439
	Fitting.....	448
	Interchanging.....	443
	Noise.....	436
	Notes on fitting.....	441
	Removing.....	448
	Removing/fitting hub cap.....	445
	Replacing.....	441, 445
	Selection.....	441
	Snow chains.....	436
	Storing.....	444
	TIREFIT kit.....	425
	Tyre pressure monitoring system.....	439
	Unusual handling characteristics.....	436
	Wi-Fi	
	Activating/deactivating.....	314
	Information on connection.....	314

Setting up a hotspot.....	314
Setting up an Internet connection.....	387
Window airbag.....	58
Windows	
Care.....	415
Convenience opening.....	109
Opening with the key.....	109
Opening/closing.....	106
Removing mist.....	158
Window films.....	415
Windscreen	
Demisting.....	155, 156
Windscreen washer fluid.....	592
Windscreen washer system.....	411
Windscreen wipers	
Activating/deactivating.....	149
Replacing the wiper blades.....	150
Replacing the wiper blades (wind-screen).....	150
Winter operation	
Activating/deactivating snow chain mode.....	437
Snow chains.....	436
Winter tyres	
Limiter.....	215
Setting the permanent speed limit.....	215
Wiper blades	
Care.....	415
Replacing (windscreen).....	150
Wipers.....	149
Wireless applications.....	453
Wireless charging	
Mobile phone.....	137
Workout programmes.....	121
Workshop.....	33
Z	
Zero layer	
Function.....	288
Overview.....	289

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Website

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