



Contents

00 - Technical data	1
1 Repair instructions	1
1.1 General information	1
91 - Communication	3
1 Infotainment system	3
1.1 Overview of fitting locations – Infotainment system	3
1.2 Removing and installing infotainment system display	4
1.3 Removing and installing control unit 1 for information electronics J794	6
2 Sound system	8
2.1 Overview of fitting locations – sound system	8
2.2 Removing and installing rear treble loudspeakers R14/R16	8
2.3 Removing and installing front treble loudspeakers R20/R22	9
2.4 Removing and installing rear bass loudspeakers R15/R17	10
2.5 Removing and installing front bass loudspeakers R21/R23	11
3 Aerial systems	13
3.1 Overview of fitting locations – aerial systems	13
3.2 Removing and installing aerial amplifier R24	14
3.3 Removing and installing amplitude modulation (AM) frequency filter R177	16
3.4 Removing and installing frequency modulation (FM) frequency filter R178/R179	17
3.5 Removing and installing roof aerial	18
3.6 Removing and installing aerial module	18
3.7 Removing and installing LTE aerials [R297/R306]	19
4 Radio	22
4.1 Overview of radio	22
4.2 Removing and installing radio	22
5 Telephone system	25
5.1 Preparation for mobile telephone	25
5.2 Overview of fitting locations – telephone system	26
5.3 Removing and installing telephone microphone R38	27
5.4 Removing and installing aerial amplifier for mobile telephone R86	28
5.5 Removing and installing aerial for Bluetooth	29
6 Navigation system	30
6.1 Overview of navigation system	30
6.2 Overview of fitting locations – navigation system	30
6.3 Removing and installing control unit for navigation system	31
6.4 Removing and installing chip card reader control unit J676	31
7 TV system	33
7.1 Overview of fitting locations - TV system	33
7.2 Removing and installing TV tuner	33
8 Reversing camera system	35
8.1 Overview of reversing camera system	35
8.2 Overview of fitting locations – reversing camera system	35
8.3 Removing and installing reversing camera R189	36
8.4 Calibrating reversing camera system	37
9 Multifunction steering wheel	43
9.1 Overview of multifunction steering wheel	43
9.2 Assembly overview – multifunction steering wheel	43
9.3 Removing and installing multifunction buttons in steering wheel E441/E440	44
9.4 Removing and installing Tiptronic switch in steering wheel E439/E438	47
10 Connection for external multimedia devices	48



10.1	Connectors – connection for external multimedia devices	48
10.2	Removing and installing connection for external audio sources R199	50
11	Online services	51
11.1	Overview of fitting locations – mobile online services	51
11.2	Removing and installing emergency call module control unit and communication unit J949	53
11.3	Removing and installing battery for control unit for emergency call module	55