



Contents

00 - Technical data	1
1 Repair notes	1
1.1 General repair instructions	1
1.2 Routing and attachment of lines	1
1.3 Notes on repair of CAN bus wiring	1
1.4 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	5
1.3 Removing and installing control unit 1 for information electronics J794	6
1.4 Renewing rotary knobs for infotainment system display	7
1.5 Removing and installing chip card reader control unit J676	7
2 Sound system	9
2.1 Overview of fitting locations - sound system	9
2.2 Removing and installing digital sound package control unit/amplifier	10
2.3 Removing and installing front treble loudspeakers R20/R22	12
2.4 Removing and installing rear treble loudspeakers R14/R16	12
2.5 Removing and installing front bass loudspeakers R21/R23	13
2.6 Removing and installing rear bass loudspeakers R15/R17	15
2.7 Removing and installing subwoofer R211	16
2.8 Removing and installing centre loudspeaker	16
3 Aerial systems	18
3.1 Overview of fitting locations - aerial systems	18
3.2 Removing and installing aerial module	20
3.3 Removing and installing aerial amplifier	20
3.4 Removing and installing amplitude modulation (AM) frequency filter R177	21
3.5 Removing and installing frequency modulation (FM) frequency filter R178/R179	22
3.6 Removing and installing roof aerial	23
3.7 Removing and installing bumper aerial	24
4 Telephone system	26
4.1 Overview of fitting locations - telephone system	26
4.2 Removing and installing telephone microphone R38	26
4.3 Removing and installing two-way signal amplifier for mobile telephone/data services J984	27
4.4 Removing and installing storage compartment with interface for mobile telephone R265	28
5 TV system	30
5.1 Overview of fitting locations - TV system	30
5.2 Removing and installing TV tuner R78	30
6 Multifunction steering wheel	33
6.1 Assembly overview - multifunction steering wheel	33
6.2 Removing and installing steering wheel multifunction buttons E441/E440	34
6.3 Removing and installing Tiptronic switch in steering wheel E439/E438	36
7 Connection for external multimedia devices	37
7.1 Removing and installing connection for external multimedia devices	37
7.2 Removing and installing USB hub R293	40
8 Car-Net	42
8.1 Overview of fitting locations - Car-Net services	42
8.2 Removing and installing emergency call module control unit and communication unit J949	43
8.3 Removing and installing operating unit for preparation for mobile telephone E508	45
8.4 Removing and installing loudspeaker for emergency call module R335	46
8.5 Renewing control unit for emergency call module and communication unit J949	47



8.6 Renewing battery in emergency call module control unit and communication unit J949 . . . 47