



Contents

91 - Communication	1
1 Communication systems	1
1.1 Fault finding	1
2	2
2.1 General notes	2
2.2 Overview of radio system "ALPHA"	2
2.3 Removing and installing radio unit "ALPHA"	3
2.4 Overview of radio connectors	5
2.5 Anti-theft coding	5
3	7
3.1 General notes	7
3.2 Overview of radio system "BETA"	7
3.3 Removing and installing radio unit "BETA"	8
3.4 Overview of radio connectors	10
3.5 Anti-theft coding	11
3.6 Adapting radio components	12
4	14
4.1 General notes	14
4.2 Overview of radio system "GAMMA"	14
4.3 Removing and installing radio unit "GAMMA"	15
4.4 Overview of radio connectors	17
4.5 Anti-theft coding	18
4.6 Adapting radio components	19
5	21
5.1 General notes	21
5.2 Wiring harness adapter set for radio "Volkswagen Individual"	22
5.3 Overview of radio system "Volkswagen Individual"	22
5.4 Removing and installing radio unit "Volkswagen Individual"	23
5.5 Overview of connectors on radio "Volkswagen Individual"	25
5.6 Anti-theft coding	26
6	28
6.1 General notes	28
6.2 Overview of "radio navigation system (RNS) with multifunction display (MFD)"	28
6.3 Removing and installing radio navigation system	30
6.4 Overview of radio navigation system connectors	31
6.5 Anti-theft coding	34
6.6 Adapting navigation system components	36
6.7 Adapting radio components	36
7	38
7.1 General notes	38
7.2 Overview of "radio navigation system (RNS) with monochrome display" ► 04.05	39
7.3 Overview of "radio navigation system (RNS) with monochrome display" 05.05 ►	40
7.4 Removing and installing radio navigation system	41
7.5 Overview of radio navigation system connectors	42
7.6 Anti-theft coding	45
7.7 Adapting navigation system components	46
7.8 Adapting radio components	47
8	49
8.1 General description	49
8.2 Fault finding	49
8.3 Overview of radio system "RCD 200"	50
8.4 Removing and installing radio "RCD 200"	51



8.5	Overview of connectors on radio unit "RCD 200"	53
8.6	Anti-theft coding	56
8.7	Adapting radio components	57
9	CD changer and CD player	59
9.1	General notes	59
9.2	Removing and installing CD changer under front passenger seat	59
9.3	Removing and installing CD changer from centre console	60
9.4	Removing and installing CD player	61
10	Loudspeaker systems	64
10.1	Loudspeaker systems ► 04.05	64
10.2	Loudspeaker systems 05.05 ►	65
11	Telephone systems	68
11.1	General notes	68
11.2	Overview of preparation for mobile telephone	68
11.3	Removing and installing telephone bracket	69
11.4	Removing and installing telephone operating electronics control unit	71
11.5	Removing and installing telephone microphone	71
12	Aerial systems	73
12.1	General notes	73
12.2	Overview of roof aerial for radio	73
12.3	Overview of roof aerial for radio and telephone	75
12.4	Overview of roof aerial for radio, telephone and navigation system	76
12.5	Removing and installing aerial	76
12.6	Renewal of aerial wiring	77
13	Notes on operating mobile telephones and two-way radios	78
13.1	General notes	78
13.2	Notes on performing repair work	79
13.3	Overview of battery, transmitter and receiver unit, fuse and wiring harness	80
13.4	Transmitting power and aerial fitting locations	81
14	Suppression	83
14.1	Suppression measures	83
15	iPod cradle	84
15.1	General description	85
15.2	Notes on performing repair work	85
15.3	Removing and installing iPod cradle	85
15.4	Adapting iPod components	88