



Contents

00 - Technical data	1
1 Vehicle identification data	1
1.1 Vehicle identification number	1
1.2 Type plate	2
1.3 Vehicle data sticker	3
2 Safety information	5
3 Moulded foam inserts	6
4 Galvanized body parts, high- and higher-strength and hot-formed body panels	8
5 Laser welding	11
6 Gaps/shut lines	12
6.1 Body, front	12
6.2 Body, centre	14
6.3 Body, rear	17
7 Body dimensions	20
7.1 Body, front	20
7.2 Body, centre	21
7.3 Body, rear	26
7.4 Floor panel, front	27
7.5 Floor panel, centre	28
7.6 Floor panel, rear	29
8 Straightening bracket set	31
8.1 Setup overview of complete body	31
9 Portal gauge	33
9.1 Setup overview of complete body	33
50 - Body - front	35
1 Overview of parts	35
2 Renewing right bracket	36
2.1 Tools	36
2.2 Removing	36
2.3 Installing	38
3 Repairing threads for securing subframe	41
3.1 Contents of thread repair kit	42
3.2 Repairing threads	43
4 Renewing mounting bracket for subframe	47
4.1 Tools	48
4.2 Removing	48
4.3 Installing	49
5 Renewing front longitudinal member end plate	53
5.1 Tools	54
5.2 Removing	54
5.3 Installing	55
6 Renewing upper wheel housing longitudinal member	58
6.1 Tools	59
6.2 Removing	59
6.3 Installing	60
7 Renewing upper inner wheel housing longitudinal member	65
7.1 Tools	66
7.2 Removing	66
7.3 Installing	67



8	Renewing front wheel housing	71
8.1	Tools	72
8.2	Removing	72
8.3	Installing	74
9	Renewing front wheel housing (part section)	78
9.1	Tools	79
9.2	Removing	79
9.3	Installing	81
10	Renewing front longitudinal member	86
10.1	Tools	87
10.2	Removing	87
10.3	Installing	88
11	Renewing front longitudinal member (left part section)	92
11.1	Tools	93
11.2	Removing	93
11.3	Installing when using complete longitudinal member assembly	95
11.4	Installing when using individual components of longitudinal member	98
11.5	Renewing studs	101
12	Renewing front longitudinal member (right part section)	103
12.1	Tools	104
12.2	Removing	104
12.3	Installing when using complete longitudinal member assembly	106
12.4	Installing when using individual components of longitudinal member	109
12.5	Renewing studs	112
51 - Body - centre		114
1	Overview of parts	114
2	Renewing roof - vehicles with no panorama tilting sunroof	115
2.1	Tools	116
2.2	Removing	116
2.3	Installing	119
3	Renewing roof - vehicles with panorama tilting sunroof	130
3.1	Tools	131
3.2	Removing	131
3.3	Installing	133
4	Renewing A-pillar	145
4.1	Tools	147
4.2	Removing	147
4.3	Installing	149
5	Renewing A-pillar reinforcement (part section)	154
5.1	Tools	155
5.2	Removing	155
5.3	Installing	156
6	Renewing upper A-pillar reinforcement (part section)	161
6.1	Tools	162
6.2	Removing	163
6.3	Installing	166
7	Renewing B-pillar	175
7.1	Tools	177
7.2	Type plate	177
7.3	Removing	178
7.4	Installing	180
8	Renewing B-pillar reinforcement	185
8.1	Type plate	185



8.2	Tools	186
8.3	Removing	187
8.4	Installing	188
9	Renewing B-pillar reinforcement (part section)	193
9.1	Tools	194
9.2	Type plate	194
9.3	Removing	195
9.4	Installing	198
10	Renewing outer side member	206
10.1	Tools	207
10.2	Type plate	207
10.3	Removing	208
10.4	Installing	209
53 - Body - rear		214
1	Overview of parts	214
2	Renewing rear cross panel	215
2.1	Tools	216
2.2	Removing	216
2.3	Installing	218
3	Renewing lower corner part	222
3.1	Tools	223
3.2	Removing	223
3.3	Installing	224
4	Renewing rear cross member	228
4.1	Tools	229
4.2	Removing	229
4.3	Installing	230
5	Renewing luggage compartment floor	235
5.1	Tools	236
5.2	Removing	236
5.3	Installing	237
6	Renewing rear longitudinal member (part section)	242
6.1	Tools	243
6.2	Removing	243
6.3	Installing	245
7	Renewing rear longitudinal member (second parting cut - part section)	249
7.1	Tools	250
7.2	Removing	250
7.3	Installing	253
8	Renewing side panel (part section)	263
8.1	Tools	265
8.2	Removing	265
8.3	Installing	267