



Contents

00 - Technical data	1
1 Vehicle identification data	1
1.1 Vehicle identification number	1
1.2 Type plate	3
1.3 Vehicle data sticker	4
2 Safety information	5
3 Body work for which HV electrical system must be de-energised	6
3.1 The following body work requires the HV electrical system to be de-energised.	6
4 Moulded foam inserts	7
5 Galvanized body parts, high/higher-strength and hot-formed body panels	8
5.1 Installing	8
6 Laser welding	10
7 Body panel gaps/shut lines	11
7.1 Body - front	11
7.2 Body - centre	12
7.3 Body - rear	13
8 Body dimensions	14
8.1 Body - front	14
8.2 Body - centre	18
8.3 Body - rear	23
8.4 Floor panel - front	24
8.5 Floor panel - centre	25
8.6 Floor panel - rear	26
9 Tools	27
10 Alignment bracket set	28
10.1 Overview	28
11 Portal gauge	30
11.1 Overview	30
50 - Body - front	32
1 Renewing front bumper carrier	32
1.1 Tools	32
1.2 Removing	33
1.3 Installing	34
2 Renewing upper longitudinal member - part section	37
2.1 Tools	37
2.2 Removing	38
2.3 Installing	40
3 Renewing front suspension strut mounting	43
3.1 Tools	43
3.2 Removing	44
3.3 Installing	47
4 Repairing threads for securing subframe	52
4.1 Contents of thread repair kit	53
4.2 Repairing threads	53
5 Renewing front longitudinal member	57
5.1 Tools	57
5.2 Removing	58
5.3 Installing	67
6 Renewing front longitudinal member - long part section	75



6.1	Tools	75
6.2	Removing	76
6.3	Installing	77
7	Renewing front longitudinal member - short part section	80
7.1	Tools	80
7.2	Removing	81
7.3	Installing	82
51	Body - centre	85
1	Renewing roof	85
1.1	Tools	85
1.2	Removing	87
1.3	Installing	90
2	Renewing roof - vehicles with panorama sunroof	101
2.1	Tools	101
2.2	Removing	103
2.3	Installing	108
2.4	Installing	112
3	Renewing front cross member for roof	119
3.1	Tools	119
3.2	Removing	120
3.3	Installing	121
4	Renewing rear roof cross member	123
4.1	Tools	123
4.2	Removing	124
4.3	Installing	125
5	Renewing A-pillar	128
5.1	Tools	128
5.2	Removing	129
5.3	Installing	131
6	Renewing A-pillar reinforcement	135
6.1	Tools	135
6.2	Removing	136
6.3	Installing	138
7	Renewing B-pillar	142
7.1	Tools	143
7.2	Removing	143
7.3	Installing	144
8	Renewing B-pillar reinforcement - lower part section	148
8.1	Tools	148
8.2	Removing	149
8.3	Installing	150
9	Renewing outer side member	155
9.1	Tools	155
9.2	Removing	156
9.3	Installing	157
10	Renewing side member reinforcement - front part section	161
10.1	Tools	161
10.2	Removing	162
10.3	Installing	163
11	Renewing side member reinforcement - centre part section	167
11.1	Tools	167
11.2	Removing	168
11.3	Installing	169



53 - Body - rear	173
1 Renewing rear cross panel	173
1.1 Tools	173
1.2 Removing	174
1.3 Installing	175
2 Renewing rear link part	177
2.1 Tools	177
2.2 Removing	178
2.3 Installing	179
3 Renewing rear lock carrier	181
3.1 Tools	182
3.2 Removing	182
3.3 Installing	183
4 Renewing D-pillar reinforcement	185
4.1 Tools	185
4.2 Removing	186
4.3 Installing	187
5 Renewing tail light mounting	190
5.1 Tools	190
5.2 Removing	191
5.3 Installing	192
6 Renewing tow bar mounting	195
6.1 Tools	195
6.2 Removing	196
6.3 Installing	197
7 Renewing spare wheel well	199
7.1 Tools	200
7.2 Removing	200
7.3 Installing	201
8 Renewing rear floor panel	203
8.1 Tools	204
8.2 Removing	204
8.3 Installing	205
9 Renewing rear cross panel	207
9.1 Tools	208
9.2 Removing	208
9.3 Installing	209
10 Renewing rear longitudinal member - part section	212
10.1 Tools	213
10.2 Removing	214
11 Renewing side panel	218
11.1 Tools	218
11.2 Removing	219
11.3 Installing	220
12 Renewing outer wheel housing liner	225
12.1 Tools	225
12.2 Removing	226
12.3 Installing	227