

Contents

00 - Technical data	1
1 Safety precautions	1
1.1 General safety information	1
1.2 Safety measures for working on vehicles with high-voltage system	1
1.3 Safety precautions when working on the cooling system	2
1.4 Safety precautions when working on air conditioning systems	3
1.5 Safety measures during road test with testing and measuring instruments	3
1.6 Safety precautions when working on passenger protection systems	4
1.7 Safety precautions when working with chemical substances	5
1.8 Safety precautions when working with compressed gas cylinders	5
1.9 Safety precautions when working with batteries	5
1.10 Safety measures when working with special tools and workshop equipment	6
2 Repair instructions	7
2.1 Laws, specifications, guidelines and risk assessments	7
2.2 Notes on the application of the workshop manual	7
2.3 Replacement parts, servicing materials and consumables	7
2.4 Transport and storage	9
2.5 Qualification	10
2.6 Environmental protection	10
2.7 Rules for cleanliness	10
2.8 Identification labels	11
2.9 Bolts and nuts	11
2.10 Using power tools	11
2.11 Contact corrosion	12
2.12 Gaskets and seals	12
2.13 Bonding surfaces	13
2.14 Unplugging electrical connectors	13
2.15 Routing and attachment of lines	13
2.16 Retaining rings	14
2.17 Working on refrigerant circuit	14
2.18 Work on seat occupied recognition for front passenger airbag deactivation	14
2.19 Battery	15
2.20 Assessing accident vehicles	15
54 - Vehicle-specific paintwork information	20
1 Paintwork structure	20
1.1 Structure of factory finish	20
2 Areas exposed to stone chipping	21
2.1 Overview - areas exposed to stone chipping	21
3 Masked sectors	22
3.1 Masking areas - general information	22
3.2 Masking areas - body, front	22
3.3 Masking areas - body, rear	22
4 Seam sealing	23
4.1 Joint seals - general information	23
4.2 Joint seals - body, front	23
4.3 Joint seals - body, rear	23
5 Underseal	24
5.1 Underseal - general information	24
5.2 Overview - underseal (body), with differing layer thicknesses	24
6 Cavity sealing	25
6.1 Cavity sealing - general information	25



6.2	Overview - cavity sealing, body	25
6.3	Cavity sealing - doors	26
7	Contrasting colours	28
7.1	Contrasting colours - whole vehicle	28
8	Paintwork repair	31
8.1	Repairing paintwork - components	31
8.2	Repairing paintwork - sensors	32
8.3	Repair instructions for inside of rear door	32
8.4	Repair instructions for door handle recess	36
8.5	Cavity preservation for door handle recess	40
8.6	Repair procedure for corrosion on rear lid rear light retainer	41
8.7	Repair instructions for door handle recess side panel	45
8.8	Cavity preservation for installing seal	48
8.9	Working rear lid fold/seam	49
8.10	Repairing paintwork on abrasion at tail light cluster	52
8.11	Film as abrasion guard in contact area of rear lights	53
8.12	Repair instructions for side member	55