

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 Vehicle 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, centre	22
3.4 Masking areas - body, rear	23
4 Seam sealing	24
4.1 Joint seals - general information	24
4.2 Joint seals - body, front	24
4.3 Joint seals - body, rear	25
5 Underseal	27
5.1 Underseal - general information	27
5.2 Overview - underseal (body), with differing layer thicknesses	27
6 Cavity sealing	29



6.1	Cavity sealing - general information	29
6.2	Overview - cavity sealing, body	29
6.3	Cavity sealing - doors	30
7	Contrasting colours	31
7.1	Contrasting colours - whole vehicle	32
8	Paintwork repair	35
8.1	Repairing paintwork - components	35
8.2	Repairing paintwork - sensors	36
8.3	Painting engine compartment / interior	36