

## Contents

<b>00 - Technical data</b>	<b>1</b>
<b>1 Safety precautions</b>	<b>1</b>
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
<b>2 Repair instructions</b>	<b>7</b>
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
<b>54 - Vehicle-specific paintwork information</b>	<b>20</b>
<b>1 Paintwork structure</b>	<b>20</b>
1.1 Structure of factory finish	20
<b>2 Areas exposed to stone chipping</b>	<b>21</b>
2.1 Overview - areas exposed to stone chipping	21
<b>3 Masked sectors</b>	<b>22</b>
3.1 Masking areas - general information	22
3.2 Masking areas - body, front	22
3.3 Masking areas - body, rear	22
<b>4 Seam sealing</b>	<b>23</b>
4.1 Joint seals - general information	23
4.2 Joint seals - body, front	23
4.3 Joint seals - doors	24
4.4 Joint seals - body, rear	24
<b>5 Underseal</b>	<b>25</b>
5.1 Underseal - general information	25
5.2 Overview - underseal (body), with differing layer thicknesses	25
5.3 Underseal - body, front	26



<b>6</b>	<b>Cavity sealing</b> .....	<b>27</b>
6.1	Cavity sealing - general information .....	27
6.2	Overview - cavity sealing, body .....	27
6.3	Cavity sealing - doors .....	28
<b>7</b>	<b>Contrasting colours</b> .....	<b>29</b>
7.1	Contrasting colours - whole vehicle .....	29
<b>8</b>	<b>Paintwork repair</b> .....	<b>33</b>
8.1	Repairing paintwork - components .....	33
8.2	Repairing paintwork - sensors .....	34
8.3	Bonding adhesive pad in contact area of bumper cover to side panel .....	34
8.4	Retrofitting stone deflector strip on wing .....	36
8.5	Repair instructions for repairing doors .....	41
8.6	Cavity preservation for inside of door .....	46