

Contents

| | |
|---|-----------|
| 00 - Technical data | 1 |
| 1 Safety information | 1 |
| 1.1 Safety precautions when working on vehicles with high-voltage system | 1 |
| 1.2 Safety precautions when working in the vicinity of high-voltage components | 2 |
| 1.3 Safety precautions when working on vehicles with start/stop system | 2 |
| 1.4 Safety precautions when using testers and measuring instruments during a road test | 3 |
| 2 Repair instructions | 4 |
| 2.1 Rules for cleanliness | 4 |
| 2.2 Contact corrosion | 4 |
| 2.3 Routing and attachment of lines and wiring | 5 |
| 2.4 Identification plates | 5 |
| 2.5 Use of impact wrenches | 5 |
| 98 - Assist systems | 7 |
| 1 Safety information | 7 |
| 2 Fitting locations | 8 |
| 2.1 Overview of fitting locations - senders, sensors and control units in front section of vehicle | 8 |
| 2.2 Overview of fitting locations - senders, sensors and control units in centre section of vehicle | 9 |
| 2.3 Overview of fitting locations - senders, sensors and control units in rear section of vehicle | 9 |
| 3 Senders/sensors/control units | 12 |
| 3.1 Removing and installing front parking aid sender G252/G253/G254/G255 | 12 |
| 3.2 Removing and installing rear parking aid sender G203/G204/G205/G206 | 13 |
| 3.3 Removing and installing front park assist steering sender G568/G569 | 14 |
| 3.4 Removing and installing rear park assist steering sender G716/G717 | 14 |
| 3.5 Removing and installing rear parking aid warning buzzer H15 | 15 |
| 3.6 Removing and installing front parking aid warning buzzer H22 | 16 |
| 3.7 Removing and installing adaptive cruise control unit J428 | 17 |
| 3.8 Removing and installing parking aid control unit J446 | 19 |
| 3.9 Removing and installing lane change assist control unit J769/J770 | 21 |
| 3.10 Removing and installing reversing camera system control unit J772 | 22 |
| 3.11 Removing and installing lane change assist warning lamp in exterior mirror K233/K234 | 22 |
| 3.12 Removing and installing reversing camera R189 | 23 |
| 3.13 Assembly overview - front camera for driver assist systems | 23 |
| 3.14 Removing and installing front camera for driver assist systems R242 | 25 |
| 4 Adaptive cruise control | 30 |
| 4.1 Layout - adaptive cruise control | 30 |
| 4.2 Adjusting adaptive cruise control | 30 |
| 5 Parking aid/park assist steering/autonomous parking | 35 |
| 5.1 Layout - parking aid/park assist steering/autonomous parking | 35 |
| 6 Front camera for driver assist systems | 36 |
| 6.1 Layout - front camera for driver assist systems | 36 |
| 6.2 Calibrating front camera for driver assist systems | 36 |
| 7 Reversing camera system | 45 |
| 7.1 Layout - reversing camera system | 45 |
| 7.2 Calibrating reversing camera system | 45 |
| 8 Lane change assist | 52 |
| 8.1 Layout - lane change assist | 52 |
| 8.2 Calibrating lane change assist | 52 |