

## Parktronic Does Not Function. All Distance Sensors Indicate at the Same Time

|                   |   |
|-------------------|---|
| Topic number      | LI54.65-P-069829                                |
| Version           | 1   |
| Function group    | 54.65 Parking assist                            |
| Date              | 05-22-2019                                      |
| Validity          | Model 205 with code 235 (Active Parking Assist) |
| Reason for change |   |
| Reason for block  |   |

### Complaint:

Parktronic system does not function. All distance sensors indicate at the same time.

| Attachments           |   |
|-----------------------|---|
| File                  | Description   |
| 1.JPG                 | Example photo with code 501 (360° camera). All distance sensors indicate at same time |
| 2.JPG                 | Moisture ingress in front parking system distance sensor                              |
| 3.JPG                 | Moisture on plug for front parking system distance sensor                             |
| X26.38.JPG            | X26.38  |
| Z36.3z1 & Z36.4z1.JPG | Z36/3z1 and Z36/4z1   |

### Cause:

Possibly moisture ingress in front parking system distance sensors (B8/1, B8/2, B8/3, B8/4, B8/5, B8/6) and/or in the electrical connector for the frame wiring harness / bumper at front (X26/38) from Z connector Z36/3z1 and/or Z36/4z1. The heat-shrinkable tube may not have been sufficiently heated.

### Remedy:

The front bumper wiring harness and the affected front distance sensors must be replaced. The connecting point X26/38 is to be repaired using a repair wiring harness and line connectors.

| Symptoms   |
|--|
| Communication/information / Assistance and warning systems / Parking assist / PARKTRONIC / Malfunction of displays / All displays simultaneous |

| Control unit/fault code                  |            |   |
|--|------------|---|
| Control unit                             | Fault code | Fault text  |
| N62 - Parking system (PARK) (PARKMAN213) | B124409    | The outer left front distance sensor has a malfunction. There is a component fault. |

# XENTRY TIPS

|   |         |   |
|---|---------|---|
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125823 | The center right front distance sensor has a malfunction. No signal change: Voltage level is too low. |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125D09 | The outer right front distance sensor has a malfunction. There is a component fault.                  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125D23 | The outer right front distance sensor has a malfunction. No signal change: Voltage level is too low.  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B124423 | The outer left front distance sensor has a malfunction. No signal change: Voltage level is too low.   |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B124909 | The center left front distance sensor has a malfunction. There is a component fault.                  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B124923 | The center left front distance sensor has a malfunction. No signal change: Voltage level is too low.  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B124E09 | The inner left front distance sensor has a malfunction. There is a component fault.                   |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B124E23 | The inner left front distance sensor has a malfunction. No signal change: Voltage level is too low.   |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125309 | The inner right front distance sensor has a malfunction. There is a component fault.                  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125323 | The inner right front distance sensor has a malfunction. No signal change: Voltage level is too low.  |
| N62 - Parking system (PARK)<br>(PARKMAN213) | B125809 | The center right front distance sensor has a malfunction. There is a component fault.                 |

| Parts           |     |     |                       |          |  |     |
|-----------------|-----|-----|-----------------------|----------|--|-----|
| Part number     | ES1 | ES2 | Designation           | Quantity | Note   | EPC |
| A 000 982 91 10 |     |     | Cable connector       | 12       | End sleeve for repair wiring harness X26/38                            | X   |
| A 205 540 34 88 |     |     | Repair wiring harness | 1        | Connecting point for vehicle interior/ bumper wiring harness (X26/38). | X   |
|                 |     |     | Bumper wiring harness |          | The part number is available in XPPI.                                  |     |
|                 |     |     | Distance sensors      |          | The part number is available in XPPI.                                  |     |

| Operation numbers/damage codes |                |      |             |  |
|--------------------------------|----------------|------|-------------|--|
| Op. no.                        | Operation text | Time | Damage code | Note   |
|                                |                |      | 59N42 47    | Connector/line, front bumper right outer distance sensor.  |
|                                |                |      | 59N44 47    | Connector/line, front bumper right center distance sensor. |
|                                |                |      | 59N43 47    | Connector/line, front bumper right inner distance sensor.  |
|                                |                |      | 59A43 47    | Connector/line, front bumper left inner distance sensor.   |

# XENTRY TIPS

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|  |  |  |          |   |
|--|--|--|----------|---|
|  |  |  | 59A44 47 | Connector/line, front bumper left center distance sensor. |
|  |  |  | 59A42 47 | Connector/line, front bumper left outer distance sensor.  |