

Paint Thickness or Decals Affecting Corner Radar Sensor Operation

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Taycan	As of 2020	All	N/A	79J, 6I6, P4S
Macan EV	As of 2024	All	N/A	GJ0, GJ6
Cayenne	As of 2019	All	N/A	7Y1
911	As of 2017	All	N/A	7Y1
718	As of 2017	All	N/A	7Y1
Macan	As of 2014	All	N/A	7Y1, 7Y3, 7Y7

Revision History

Revision	Release Date	Changes
0	November 12, 2025	Original document

Condition

Customers report erratic warnings for assistance system functions associated with corner radar sensors. For example, Lane Change Assist (LCA) lights up or Rear Cross Traffic Alert (RCTA) warns of an approaching vehicle, without a vehicle nearby.

Technicians may find signs of paintwork or repairs to the front or rear bumper covers, especially in the area of a corner radar sensor.

Technical Background

Paint thickness limitations are essential to allow accurate operation of radar transceivers behind the bumper covers.

The subject condition can occur because of improper repair or painting procedures to the bumper cover in the area of the assistance system radar sensors. The condition can also occur due to protective film or stickers applied in the area of the assistance system sensors.

Service Information

Ensure vehicle software pertaining to assistance system functionality is fully updated via Integration test.

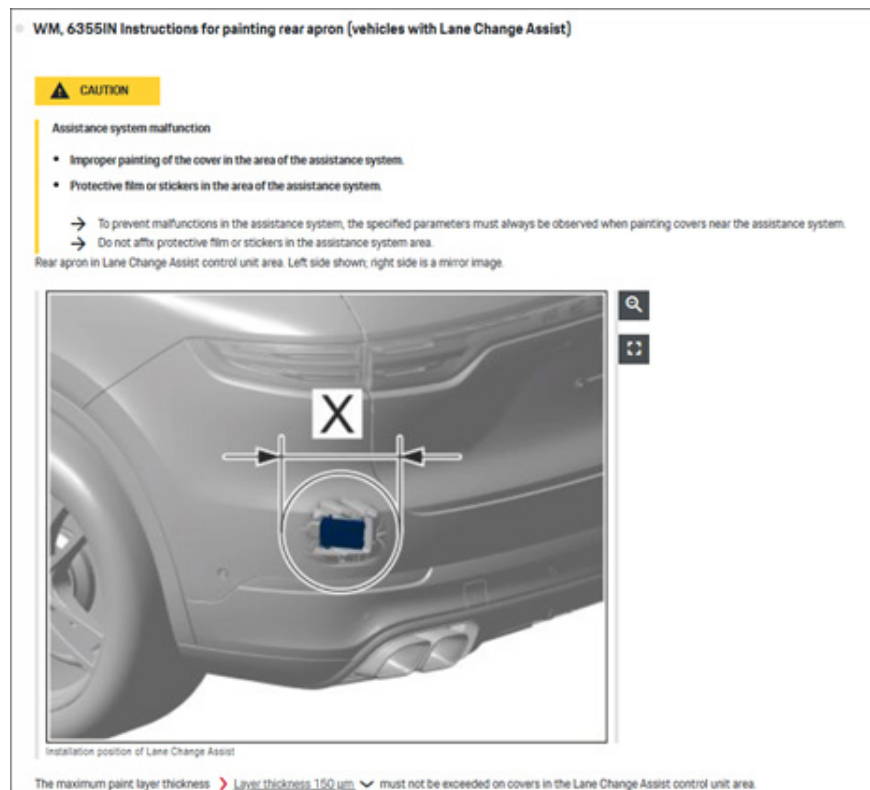
Ensure no protective film or decals are applied around assistance system sensors.

Ensure corner radar sensor wiring is correctly routed (for example, wiring is not routed between the radar sensor and the bumper cover).

If the condition occurs in a vehicle with updated software and no visible film or decals, the bumper cover paint thickness should be checked using a paint thickness gauge designed for painted plastic components (e.g., DeFelsko PosiTector 200).

This tool shall also be used to measure paint thickness after painting to ensure the paint thickness complies with the values published in the workshop manual.

Refer to the workshop manual and paint manual for specifications and procedures. For example, 6355IN - *Instructions for painting rear apron (vehicles with Lane Change Assist) (Figure 1)*.



(Figure 1)

Advanced Technical Information

Bulletin #: 2529

Part ID: 6355

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Search Items

Lane change assist, bumper cover, bumper, apron, radar, paint, paint thickness, defelsko

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