

Position Statement

Restriction on sensor-affecting repairs to Porsche bumpers

Bumper: Functions

Technologies such as bumper-integrated sensors play a critical role in the operation of electronic and digital Advanced Driver Assistance Systems (ADAS) in modern vehicles.

The bumper sensors monitor the vehicle's surroundings in real time and provide safety-relevant feedback to the driver and driver assistance systems.

Affected assistance systems*:

- Warn and Brake Assist
- Intersection Assist
- Park Distance Control
- Lane Change Assist
- Rear Turn Assist
- Rear Cross Traffic Alert
- Exit Warning

Before repairing, painting or wrapping Porsche bumpers, always check that the work is officially approved. If a repair is not authorised because it would affect the sensors, the bumper must be replaced.

To help you understand how the sensors can function correctly or incorrectly, please refer to the illustrations on the back.



Bumper repair: The risks

If damaged bumpers are not properly repaired, painted or wrapped, this may affect sensor operation and give incorrect feedback to the driver, thus **increasing the risk of an accident/collision**.

Restrictions in the radar transmission area:

- ⊗ Bumpers **must not be painted**
- ⊗ Bumpers **must not be covered with car wrappings or decals**
- ⊗ Cracks/breaks in bumpers **must not be repaired by plastic welding**

Remember:

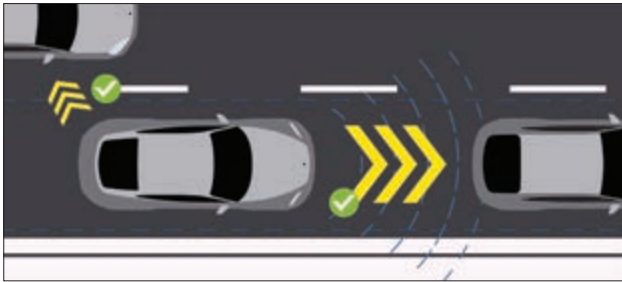
- ⚠ Always follow the repair guidelines, painting instructions and specifications approved by Porsche
- ⚠ When replacing bumpers, paint and fit PDC sensors in accordance with the repair guide
- ⚠ Only paint primed bumpers (spare parts) with paint systems approved by Porsche
- ⚠ Cracks/broken bumpers in the wheel transmission area must not be repaired

*Detailed information on the assistance systems can be found in the instruction manual.

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Correct functioning



Exemplary sensors are functioning correctly.

Impaired sensor function

Impairment due to repainting



The altered refraction of the radar waves can severely limit performance and precision.

Impairment due to repaired cracks/breaks



Radar waves can be deflected or dampened.