

911 (991) Wheel Speed Sensor Faults

Vehicle Type: **911 (991)**

Model Year: **2017**

Customer

Concern: While driving the vehicle, these warning lights will illuminate in the instrument cluster:

- Parking Brake
- ABS
- PSM



The following warning messages are displayed in the TFT display:

- ABS/PSM failure, drive with caution
- Steering lock fault
- Parking brake fault
- Lane change assist currently unavailable
- Rear axle steering fault, drive with caution (if equipped)

Information:

It is possible, under certain driving conditions, that one wheel is not in contact with the ground. For example, exiting or entering a driveway where there is a difference in the slope of the two driving surfaces.

Due to the stiffness of the body, a wheel loses contact with the ground (typically on the front axle) and does not spin. A fault is set for that wheel speed sensor, and subsequent warnings are illuminated.

Fault codes for the wheel speed sensors are:

- 004201 - Right Front Wheel Speed Sensor, Implausible Measured Values
- 004211 - Left Front Wheel Speed Sensor, Implausible Measured Values
- 004221 - Right Rear Wheel Speed Sensor, Implausible Measured Values
- 004231 - Left Rear Wheel Speed Sensor, Implausible Measured Values

The fault is not automatically cleared after a key cycle. It has to be cleared at the dealer.

4

911 (991)
4511 **1704**

Advanced Technical Information

Information for

Customer:

The vehicle is operating as designed. It is possible to prevent this situation and keep all four wheels on the ground by changing the approach angle between driving surfaces with different slopes.

Information for

workshop:

A thorough visual inspection should be performed to rule out any other possible damages or defects. The faults should be cleared and proper operation verified on a test drive. Please do not replace sensors at this time.

Dealership
Distribution
Routing

Service Manager	_____	Shop Foreman	_____	Service Technician	_____	_____	_____	_____
Asst. Manager	_____	Warranty Admin.	_____	Service Technician	_____	_____	_____	_____

Dr. Ing. h.c. F. Porsche AG is the owner of numerous trademarks, both registered and unregistered, including without limitation the Porsche Crest®, Porsche®, Boxster®, Carrera®, Cayenne®, Cayman®, Macan®, Panamera®, Speedster®, Spyder®, Tiptronic®, VarioCam®, PCM®, PDK®, 911®, RS®, 4S®, 718®, 918 Spyder®, FOUR UNCOMPROMISED®, and the model numbers and distinctive shapes of the Porsche automobiles such as, the federally registered 911 and Boxster automobiles. The third party trademarks contained herein are the properties of their respective owners. Porsche Cars North America, Inc. believes the specifications to be correct at the time of printing. However, specifications, standard equipment and options are subject to change without notice. Some options may be unavailable when a car is built. Some vehicles may be shown with non-U.S. equipment. Please ask your authorized Porsche dealer for advice concerning the current availability of options and verify the optional equipment that you ordered. Porsche recommends seat belt usage and observance of traffic laws at all times.