

Adaptive Cruise Control Disengages Along with a Warning and Fault D00002

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
All	As of 2012	all	N/A	Adaptive Cruise Control

Revision History

Revision	Release Date	Changes
0	April 30, 2020	Original document
1	May 1, 2020	Update of Technical Background

Condition

The customer complains that during long trips, adaptive cruise control (ACC) disengages and displays a warning message. The customer may report that a significant portion of the trip had: (1) bad weather, (2) few other vehicles present, or (3) few turns or hills.

The workshop finds fault code D00002 (Sensor Blind) in the Adaptive cruise control (ACC) ECU.

Technical Background

This condition occurs by design. This is not a product defect.

Multiple conditions may cause this issue:

1. Ice/Snow: If ice or snow blocks the distance sensor, the ACC system recognizes that it is 'blind' and will disengage and display a warning message unless the blockage is cleared. Of course, this ice and snow will likely not be present during the workshop evaluation.
2. Featureless terrain/few other vehicles: If the road is featureless (i.e. there are very few turns and hills) and the radar does not see another vehicle or object for an extended distance or time, it will also assume it is 'blind' and disengage with a warning message. This is a limitation of the system.

Service Information

Ensure the distance sensor is clean and should remain reasonably free of road debris.
You can inform the customer of these conditions. This should help moderate customer expectations.

Warranty

Please be sure to document your findings in PQIS thoroughly.

Use the following PQIS coding:

Cause location:	27850	Distance measuring sensor control unit
Cause symptom:	1613	No function occasionally

Search Items

ACC, warning, radar, eye, distance sensor

Important Notice: Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.
