



P0CCE

Charge Port Door A Position Sensor Circuit Low

P0CCE means the charge port door position sensor on the electric vehicle's charging inlet is reporting a voltage below the normal range, so the control module cannot reliably tell whether the door is open or closed. The computer sets this code when the sensor signal wire stays near ground voltage for longer than expected during a key cycle.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Medium	Intermediate	Hybrid propulsion

Symptoms you may notice

- Charge port door warning or message displayed on the instrument cluster
- Charge port door may not latch, release, or open automatically
- Vehicle may refuse to start charging or may interrupt a charge session
- Remote or app-based charge port door controls stop responding
- Often no symptoms besides the warning light if the door still latches mechanically

Common causes, most likely first

- 1 Charge port door position sensor failed or internally shorted to ground
- 2 Damaged or chafed sensor signal wire in the charge port door harness
- 3 Corroded or loose connector pins at the sensor or charge port control module
- 4 Water intrusion into the charge port door assembly causing signal short
- 5 Charge port door control module internal fault pulling the sensor circuit low
- 6 Mechanical damage to the door hinge or sensor linkage after an impact

How to diagnose and fix it

- 1 Scan all modules and record freeze-frame data for P0CCE before clearing anything
- 2 Inspect the charge port door, hinge, and sensor linkage for physical damage or debris
- 3 Disconnect the sensor connector and check for corrosion, water, or bent pins
- 4 Measure sensor reference voltage and signal voltage at the connector with the key on
- 5 Backprobe the signal wire and wiggle the door harness to look for intermittent drops
- 6 Check continuity and short-to-ground on the signal wire between sensor and module
- 7 Replace the faulty sensor or repair the harness, then clear codes and verify door position reads correctly



What the door sensor code really means

- A low signal does not always mean the sensor is bad, because a chafed signal wire shorted to ground will set the same code and replacing the sensor will not fix it.
- Water intrusion into the charge port door is a common hidden cause on vehicles parked outside, and the corrosion often sits inside the connector where it is not visible until you unplug it.
- Some vehicles will still allow charging with this code stored, so a driver may ignore the warning light until the door fails to latch or the car refuses to start a session.
- The charge port door position sensor often shares a reference voltage with other door or latch sensors, so a short in a neighbouring circuit can drag the signal low and set P0CCE.
- After repairs, the module may need a door position relearn or a full key cycle before the code will clear, and clearing it too early can make a good repair look like a failure.

Can I keep driving with P0CCE?

You can usually drive the vehicle with this code, but avoid relying on automatic charge port door operation and check that the door is fully latched before driving. Have it diagnosed soon if the door will not latch or the vehicle refuses to charge, because those conditions can leave you stranded.

Tools that help

- OBD-II scan tool with live data and freeze-frame capability
- Digital multimeter with backprobe pins
- Trim removal tools for charge port door panels
- Wiring diagram for the charge port door sensor circuit
- Contact cleaner and dielectric grease for connector repair

Reading P0CCE

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
C	Hybrid propulsion.
CE	The exact fault within that area.

Often seen with

P0CCC Charge Port Door A Position Sensor Circuit · **P0CCD** Charge Port Door A Position Sensor Circuit Performance · **P0CCF** Charge Port Door A Position Sensor Circuit High · **P0CD0** AC Plug Voltage Sense Circuit · **P0CD1** Charge Port Door A Unlock Control Circuit



See it working

Watch the animated explainer [How a MAP Sensor Works: Engine Vacuum and Load](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0cce/>

