



P0CC6

Charge Port Door A Open Request Switch Wake-Up Circuit

P0CC6 indicates that the charge port door control module has detected an open request from the switch that wakes the system when the door is opened, but the signal circuit is not behaving as expected. The computer monitors the wake-up circuit for a voltage that falls outside the normal range when the switch is pressed, and it sets this code when the circuit remains open or shorted for a calibrated time.

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

Symptoms you may notice

- The charge port door may not open when the release button or switch is pressed.
- The charge port door may open unexpectedly or fail to latch closed.
- A warning light on the instrument cluster, often a service vehicle soon or EV system warning.
- The vehicle may not wake up to initiate charging when the door is opened.
- Often no symptoms besides the warning light, especially if the door still opens manually.

Common causes, most likely first

- 1 Faulty charge port door open request switch, worn or stuck open.
- 2 Damaged or corroded wiring in the wake-up circuit, often at the door hinge or connector.
- 3 Loose or disconnected electrical connector at the switch or control module.
- 4 Water intrusion into the switch or connector causing an open circuit.
- 5 Failed charge port door control module or body control module input circuit.
- 6 Blown fuse or poor ground connection for the wake-up circuit.

How to diagnose and fix it

- 1 Inspect the charge port door switch and connector for physical damage, corrosion, or water intrusion.
- 2 Check the fuse and ground connections related to the charge port door wake-up circuit.
- 3 Measure voltage and resistance on the wake-up circuit at the switch and at the control module to isolate an open or short.
- 4 Test the switch operation with a multimeter while pressing it, looking for continuity or voltage change.
- 5 Repair or replace damaged wiring, terminals, or connectors in the wake-up circuit.
- 6 If the circuit tests good, substitute a known-good switch or module to confirm the fault.
- 7 Clear the code and verify the repair by cycling the charge port door and checking for return of the code.



Before you replace the charge port module

- A common oversight is assuming the switch is bad when the real problem is a chafed wire at the door hinge that only opens when the door moves.
- The wake-up circuit often shares a ground with other body components, so a bad ground elsewhere can set this code without any fault in the door itself.
- Some vehicles use a hall-effect or proximity sensor instead of a mechanical switch, and a magnet or metal debris near the sensor can cause a false open request.
- The code can be set by a low battery or voltage spike during charging, so always check battery health and clear the code before condemning parts.
- After repairs, the module may need a relearn or calibration procedure for the door position, which a generic scan tool cannot perform.

Can I keep driving with P0CC6?

You can generally continue driving because this fault affects only the charge port door wake-up function and does not impair the vehicle's drivetrain. Avoid forcing the door open or closed, and have the circuit inspected soon to prevent charging issues or water damage.

Tools that help

- OBD-II scan tool
- Digital multimeter
- Trim removal tool
- Electrical contact cleaner
- Wiring diagram for the charge port door circuit

Reading P0CC6

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
C	Hybrid propulsion.
C6	The exact fault within that area.

Often seen with

P0CC5 14 Volt Power Module Current Sensor A/B Correlation · **P0CC7** Charge Port Door A Open Request Switch Circuit · **P0CC8** Charge Port Door A Open Request Switch Circuit Performance · **P0CC9** Charge Port Door A Open Request Switch Circuit Low · **P0CCA** Charge Port Door A Open Request Switch Circuit High



See it working

Watch the animated explainer [How a Supercharger Works: Roots Blower in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0cc6/>

