

GENERIC · POWERTRAIN

P0D9B

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0D9B

Battery Charger Coupler Temperature Sensor A Circuit Low

P0D9B means the battery charger coupler temperature sensor A is reporting a voltage below the expected range to the control module that monitors it. The computer has detected a low signal on the sensor circuit, which usually points to a wiring fault, a poor connection, or a failed sensor rather than an actual overheating event.

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

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light
- Charging system may default to a reduced or fixed charge rate
- Battery charger coupler may feel unusually hot or fail to charge at full rate
- In some vehicles, a message indicating charging system service required

Common causes, most likely first

- 1 Damaged or chafed wiring between the coupler temperature sensor and the control module
- 2 Corroded or loose electrical connector at the sensor or module
- 3 Failed battery charger coupler temperature sensor
- 4 High resistance in the sensor ground circuit
- 5 Water intrusion into the coupler assembly or connector
- 6 Faulty control module (rare, but possible after other causes are ruled out)

How to diagnose and fix it

- 1 Inspect the coupler temperature sensor connector and wiring for corrosion, damage, or water intrusion
- 2 Measure sensor resistance and compare to the manufacturer's temperature-resistance chart
- 3 Check the sensor signal voltage at the control module connector with the key on
- 4 Perform a voltage drop test on the sensor ground circuit to confirm low resistance
- 5 Repair or replace damaged wiring and connectors as needed
- 6 Replace the battery charger coupler temperature sensor if it is out of specification
- 7 Clear the code and verify the repair with a test drive or charging cycle



What a low sensor signal really means

- A low signal code almost never means the coupler is actually overheating; it means the circuit is losing voltage, so focus on wiring and connections first.
- The sensor is often part of the charge port assembly on electric and plug-in hybrid vehicles, and a small amount of corrosion inside the coupler can set this code without any visible damage.
- Technicians sometimes replace the sensor only to find the real fault is a rubbed-through wire behind a trim panel or near a hinge point.
- A weak or failing 12-volt battery can cause erratic sensor readings on some vehicles, so always verify battery condition before condemning the sensor.
- This code can be stored intermittently by a loose connector that only loses contact when the vehicle is charging or driving over bumps.

Can I keep driving with P0D9B?

You can usually continue driving, but avoid relying on high-rate charging until the fault is repaired, because the system may not protect the coupler from overheating. If the vehicle shows a charging system warning or refuses to charge, have it inspected promptly.

Tools that help

- Digital multimeter
- OBD-II scan tool
- Wiring diagram for the specific vehicle
- Contact cleaner and dielectric grease
- Basic hand tools for trim and connector removal

Reading P0D9B

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
D	Hybrid propulsion.
9B	The exact fault within that area.

Often seen with

P0D9A Battery Charger Coupler Temperature Sensor A Circuit Range/P · **P0D9C** Battery Charger Coupler Temperature Sensor A Circuit High · **P0D9D** Battery Charger Coupler Temperature Sensor A Circuit Intermi · **P0D9E** Battery Charger A Coupler Lock Position Sensor Circuit · **P0D9F** Battery Charger A Coupler Lock Position Sensor Circuit Range



See it working

Watch the animated explainer [How a Fuel Injector Works: Pulse Width and Spray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0d9b/>

