

GENERIC · POWERTRAIN

P0D92

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0D92

Battery Charger Coupler Lock Control Circuit Low

P0D92 indicates that the battery charger coupler lock control circuit has a low voltage condition, meaning the powertrain control module (PCM) has detected a voltage below the expected threshold on the circuit that commands the lock actuator. This circuit is used on plug-in hybrid and electric vehicles to secure the charging connector during a charge session, and a low signal typically points to a short to ground, a faulty actuator, or a wiring issue.

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

Symptoms you may notice

- The charge coupler lock may fail to engage, allowing the connector to be removed during charging.
- A warning light or message on the instrument cluster indicating a charging system fault.
- The vehicle may refuse to start a charging session or may interrupt charging unexpectedly.
- Often no symptoms besides the warning light, especially if the lock still functions mechanically.
- A clicking or buzzing noise from the charge port area when locking or unlocking is attempted.
- In some cases, the vehicle may not recognize the connector is plugged in, preventing charging.

Common causes, most likely first

- A short to ground in the lock control circuit wiring, often due to chafed insulation or pinched harness.
- A faulty charge coupler lock actuator solenoid with an internal short.
- Corrosion or water intrusion at the charge port connector or lock actuator connector.
- A defective PCM or control module driver for the lock circuit (less common).
- Damaged or misaligned charge port assembly causing the lock mechanism to bind and draw excessive current.
- Aftermarket accessories or improper previous repairs tapping into the circuit.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related codes in the charging system.
- 2 Inspect the charge port and lock actuator for physical damage, corrosion, or debris, and clean if necessary.
- 3 Disconnect the lock actuator and measure resistance across its terminals to check for an internal short.
- 4 Check the control circuit wiring for continuity to ground with the actuator disconnected; repair any short.
- 5 Test the control module output with a bidirectional scan tool or a test light to confirm the driver is functioning.
- 6 Replace the faulty lock actuator or repair the wiring as needed, then clear codes and retest the lock operation.
- 7 If the circuit tests good but the code persists, follow the manufacturer's diagnostic flow for the control module.

What the coupler lock code really means

- A low circuit code does not always mean the actuator is bad; a shorted wire or corroded connector can set the same code.
- The lock actuator often shares a connector with the charge port temperature sensor, so water intrusion can affect multiple functions.
- Some vehicles will still charge even with a failed lock, but the connector may not be secured, posing a safety risk.
- After replacing the actuator, the system may require a calibration or learn procedure to recognize the new part.
- Intermittent codes can be caused by a loose ground connection at the charge port mounting bolt.

Can I keep driving with P0D92?

The vehicle can generally be driven, but charging may be unreliable or the connector may not lock, so avoid charging in public locations where the cable could be unplugged accidentally. Have the fault diagnosed soon to prevent damage to the charge port or control module.

Tools that help

- OBD-II scan tool with bidirectional control capability
- Digital multimeter
- Wire repair kit with crimping tools
- Trim removal tools for accessing the charge port
- Manufacturer service information for circuit diagrams and procedures



Reading P0D92

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

Often seen with

P0D8F Battery Charger A Cooling System Performance · **P0D93** Battery Charger Coupler Lock Control Circuit High · **P0D94** Battery Charger Coupler Lock Control Circuit Performance · **P0D95** Battery Charger Coupler Unlock Control Circuit/Open · **P0D96** Battery Charger Coupler Unlock Control Circuit Low

See it working

Watch the animated explainer [Four-Stroke Engine Cutaway: Intake to Exhaust](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0d92/>

