

GENERIC · POWERTRAIN

P0E63

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0E63

Battery Charger A Enable Circuit High

P0E63 indicates that the powertrain control module (PCM) has detected a high voltage condition on the enable circuit for battery charger A, which is typically part of a hybrid or electric vehicle's charging system. The PCM expects a specific voltage on this control wire when the charger is commanded on or off, and a reading above the expected threshold sets this code.

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

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light
- Reduced or disabled charging of the high-voltage battery
- The vehicle may fail to enter charge mode or may abort charging prematurely
- Possible reduction in electric-only driving range or performance
- In some cases, the vehicle may not start or may enter a limp mode

Common causes, most likely first

- 1 Faulty battery charger A enable circuit wiring, such as a short to voltage or an open circuit
- 2 Failed battery charger A assembly, including internal short to power
- 3 Corroded or damaged connector at the battery charger or PCM
- 4 PCM internal fault causing incorrect voltage supply or misreading
- 5 Aftermarket accessories or improper wiring splices interfering with the enable circuit
- 6 Water intrusion or physical damage to the harness near the charger

How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related codes in other modules
- 2 Inspect the battery charger A enable circuit wiring for chafing, shorts to voltage, or loose connections
- 3 Disconnect the charger and measure voltage on the enable circuit at the charger connector with the key on
- 4 Check the PCM connector for corrosion or pushed pins and perform a wiggle test on the harness
- 5 If voltage is present when it should not be, trace the circuit to identify the source of the short
- 6 Replace the battery charger A if the circuit tests good but the fault persists
- 7 Clear the code and perform a road test or charging cycle to confirm the repair



Enable circuit faults often misdiagnosed

- A high voltage on the enable circuit can be caused by a short to voltage from a nearby power wire, not necessarily a failed charger.
- The PCM may set this code if the enable circuit is left floating due to a poor ground, which can mimic a high voltage signal.
- Aftermarket alarm or remote start installations frequently tap into charging system wires and create this exact fault.
- The code can be stored intermittently if the short only occurs when the vehicle is exposed to moisture or vibration.
- Always check for technical service bulletins (TSBs) for the specific vehicle, as some models have known harness routing issues.

Can I keep driving with P0E63?

If the only symptom is the warning light and the vehicle drives normally, you can drive short distances to a repair shop, but avoid long trips or relying on electric-only mode. If charging is disabled or the vehicle enters limp mode, stop driving and seek professional diagnosis to prevent further damage to the high-voltage system.

Tools that help

- OBD-II scan tool with manufacturer-specific software
- Digital multimeter (DMM)
- Wiring diagram for the specific vehicle
- Back probe kit
- Insulated hand tools for high-voltage safety

Reading P0E63

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

Often seen with

P0A0D High Voltage System Interlock Circuit A High · **P0A0F** Engine Failed to Start · **P0E62** Battery Charger A Enable Circuit Low · **P0E64** Battery Charger A Enable Circuit Intermittent/Erratic · **P0E65** Battery Charger Control Circuit/Open



See it working

Watch the animated explainer [How an Oxygen Sensor Works: Live 3D Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0e63/>

