



## P0E61

### Battery Charger A Enable Circuit/Open

P0E61 is a generic powertrain code that indicates the powertrain control module (PCM) has detected an open circuit or enable fault in the control circuit for battery charger A. The PCM expects to see a specific voltage or current on the enable circuit when it commands the charger on, and it sets this code when the circuit remains open or does not respond as expected.

| 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
- Failure of the high-voltage battery to charge, leading to reduced electric range or a no-start condition in electric vehicles
- Reduced engine power or limp mode if the charger is part of a mild-hybrid system
- A warning message on the dash indicating a charging system fault
- Possible dead 12-volt battery if the charger also maintains the auxiliary battery

### Common causes, most likely first

- 1 Broken, chafed, or disconnected wire in the charger enable circuit
- 2 Corroded or loose electrical connector at the charger or PCM
- 3 Failed battery charger assembly (internal open circuit)
- 4 Faulty PCM driver for the enable circuit
- 5 Blown fuse or fusible link supplying power to the charger enable circuit
- 6 Poor ground connection for the charger or PCM

### How to diagnose and fix it

- 1 Check for any related technical service bulletins (TSBs) or recalls for the vehicle's charging system
- 2 Perform a visual inspection of the charger enable circuit wiring and connectors for damage or corrosion
- 3 Use a scan tool to command the charger on and off while monitoring the enable circuit voltage or current
- 4 Check for power and ground at the charger connector with a multimeter or test light
- 5 Perform a voltage drop test on the enable circuit to identify excessive resistance
- 6 If the circuit tests good, substitute a known-good charger or PCM to isolate the fault
- 7 Repair or replace the faulty component and clear the code, then verify the repair with a test drive



## Enable circuit faults often hide in plain sight

- A common oversight is assuming the charger itself has failed when the real problem is a corroded connector pin that causes an intermittent open circuit.
- The enable circuit is often a low-current control wire, so a standard test light may not load the circuit enough to reveal a fault; a multimeter or oscilloscope is better.
- Some vehicles set this code when the 12-volt auxiliary battery is weak, because the charger enable signal depends on stable module power.
- After replacing a charger or PCM, the new component may require programming or a learn procedure to avoid a repeat code.
- This code can be set by a faulty ground connection that affects multiple modules, so check ground straps and battery terminals before condemning the charger.

## Can I keep driving with P0E61?

If the only symptom is the warning light and the vehicle drives normally, you can drive to a repair shop, but avoid long trips or heavy electrical loads. If the vehicle shows charging failure, reduced power, or a no-start condition, stop driving and have it towed to prevent being stranded.

## Tools that help

- OBD-II scan tool with bidirectional control
- Digital multimeter
- Test light
- Wiring diagram for the specific vehicle
- Socket set and trim removal tools

## Reading P0E61

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| <b>P</b>  | Powertrain: engine, transmission and emissions.                      |
| <b>0</b>  | Generic (SAE) code: it means the same thing on every OBD-II vehicle. |
| <b>E</b>  | Hybrid propulsion.                                                   |
| <b>61</b> | The exact fault within that area.                                    |

## Often seen with

**P0562** System Voltage Low · **P0563** System Voltage High · **P0E60** Battery Charge Mode Control Circuit Range/Performance · **P0E62** Battery Charger A Enable Circuit Low · **P0E63** Battery Charger A Enable Circuit High



## See it working

Watch the animated explainer [How a Starter Motor Works: Pre-Engaged Starter](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0e61/>

