

GENERIC · POWERTRAIN

P08E7

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P08E7

Drive Motor A Clutch Enable Circuit

P08E7 indicates that the powertrain control module (PCM) has detected a fault in the electrical circuit that enables the clutch for Drive Motor A, which is typically the traction motor in a hybrid or electric vehicle. The PCM monitors the circuit for expected voltage or current and sets this code when the signal is out of range, meaning the clutch may not engage or disengage as commanded.

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

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light
- Reduced power or limp mode due to clutch enable failure
- Harsh engagement or slipping of the drive motor clutch
- Inability to switch between drive modes that rely on the clutch
- Unusual noises or vibrations from the transmission area

Common causes, most likely first

- 1 Faulty clutch enable solenoid or actuator
- 2 Damaged or corroded wiring harness or connector at the clutch enable circuit
- 3 Failed clutch position sensor or switch
- 4 Internal PCM driver circuit failure
- 5 Low fluid level or contaminated fluid affecting clutch operation
- 6 Mechanical binding or wear in the clutch assembly

How to diagnose and fix it

- 1 Scan all modules for stored codes and freeze frame data to confirm P08E7 is active
- 2 Inspect the clutch enable circuit wiring and connectors for damage, corrosion, or loose pins
- 3 Test the clutch enable solenoid or actuator for proper resistance and operation
- 4 Check clutch position sensor signal with a scan tool while commanding the clutch on and off
- 5 Verify PCM output signal at the clutch enable circuit with a multimeter or oscilloscope
- 6 Perform a visual inspection of the clutch assembly for mechanical issues if electrical tests pass
- 7 Repair or replace faulty components and clear codes, then road test to verify the fix



Clutch enable circuit diagnosis pitfalls

- A loose or corroded ground connection for the clutch enable circuit can mimic a failed solenoid, so always check grounds before replacing parts.
- The PCM may set P08E7 if the clutch enable signal is intermittent, which often does not leave a permanent fault and can be caused by chafed wiring.
- Some vehicles use a relay in the clutch enable circuit that can fail intermittently; testing the relay under load is more reliable than a simple resistance check.
- A low battery or charging system issue can cause voltage spikes that trigger this code, so verify battery health and charging voltage first.
- After repairs, the clutch enable circuit may require a relearn or calibration procedure with a scan tool to prevent the code from returning.

Can I keep driving with P08E7?

If the vehicle drives normally with only the warning light on, you can continue driving cautiously, but avoid aggressive acceleration or towing. If the vehicle enters limp mode or the clutch fails to engage, stop driving and seek professional diagnosis to prevent further damage.

Tools that help

- OBD-II scan tool with live data and bidirectional controls
- Digital multimeter
- Oscilloscope for signal analysis
- Wiring diagram for the specific vehicle
- Basic hand tools for connector and component access

Reading P08E7

P	Powertrain: engine, transmission and emissions.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
8	Transmission.
E7	The exact fault within that area.

Often seen with

P08E6 Shift Solenoid L Control Circuit/Open · **P08E8** Drive Motor A Clutch Enable Circuit Low · **P08E9** Drive Motor A Clutch Enable Circuit High · **P08EA** Drive Motor A Clutch Pawl Position Circuit · **P08EB** Drive Motor A Clutch Pawl Position Circuit Low



See it working

Watch the animated explainer [Manual Car Driving Simulator: Learn Clutch Control](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p08e7/>

