

CHRYSLER · POWERTRAIN

P1322

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1322 · Chrysler

El System Or Ignition Control Missing

P1322 on Chrysler vehicles indicates that the engine controller has lost the ignition control signal from the Engine Interface (EI) system, meaning it cannot confirm that the ignition coil or distributor is being triggered properly. The computer sets this code when it detects a missing or erratic signal on the ignition control circuit, often resulting in a no-start or rough-running condition.

SYSTEM

Powertrain

CODE TYPE

Chrysler specific

SEVERITY

High

FIX DIFFICULTY

Professional

AREA

Ignition system and misfire

Symptoms you may notice

- Engine cranks but will not start or starts only after long cranking
- Intermittent stalling or sudden engine shutoff while driving
- Rough idle or misfire under load
- Often no symptoms besides the warning light if the fault is intermittent
- Reduced power and poor fuel economy
- Hard starting when the engine is hot or cold

Common causes, most likely first

- 1 Faulty ignition coil or coil pack
- 2 Damaged or corroded wiring in the ignition control circuit
- 3 Failed Engine Interface (EI) module or ignition module
- 4 Poor connection at the crankshaft position sensor or camshaft position sensor
- 5 Defective powertrain control module (PCM) ignition driver
- 6 Open or shorted ground circuit for the ignition system

How to diagnose and fix it

- 1 Inspect the ignition coil and coil pack for cracks, carbon tracking, or burn marks
- 2 Check all ignition system wiring and connectors for corrosion, chafing, or loose pins
- 3 Test the crankshaft and camshaft position sensors for proper signal and resistance
- 4 Verify battery voltage and ground integrity at the ignition module and PCM
- 5 Use a lab scope to confirm the ignition control signal is present and clean at the coil
- 6 Replace the ignition coil or ignition module if the signal is missing at the component
- 7 If all external components test good, diagnose the PCM ignition driver circuit for internal failure



What Chrysler techs check before replacing the PCM

- A loose or corroded ground strap between the engine block and chassis often mimics a failed ignition module and sets P1322 without any faulty parts.
- The EI system on Chrysler engines relies on a clean signal from the crankshaft position sensor, so a sensor that is only slightly out of specification can trigger this code before it fails completely.
- Aftermarket alarm or remote start installations frequently tap into the ignition control wiring and introduce resistance that causes intermittent P1322 faults.
- P1322 can be stored as a pending code after a single stall event and may not return, so clearing it and test-driving under the original conditions is a valid first step before parts replacement.
- A weak battery or failing alternator can cause voltage drops that disrupt the ignition control signal, setting P1322 even though the ignition components themselves are healthy.

Can I keep driving with P1322?

Do not continue driving with an active P1322 because the engine can stall without warning, leaving you without power steering or brakes. If the code is intermittent and the engine runs normally, drive only to a repair shop and avoid highways or heavy traffic.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Oscilloscope or lab scope
- Ignition spark tester
- Factory service information for wiring diagrams and pinouts

Reading P1322

P	Powertrain: engine, transmission and emissions.
1	Manufacturer-specific code (Chrysler): its meaning depends on the make.
3	Ignition system and misfire.
22	The exact fault within that area.

Often seen with

P1321 Knock Sensor 3 Circuit Low Input · **P1321** Electronic Ignition System Fault Line · **P1321** Electronic Ignition System Fault Line · **P0335** Crankshaft Position Sensor A Circuit Malfunction · **P0340** Camshaft Position Sensor A Circuit Malfunction (Bank 1) · **P0351** Ignition Coil A Primary/Secondary Circuit Malfunction · **P0352** Ignition Coil B Primary/Secondary Circuit Malfunction



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/chrysler-p1322/>

