

GM · POWERTRAIN

P1614

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P1614 · GM

SBDS Interactive Codes

P1614 is a GM-specific code indicating that the Service Programming System (SPS) or Service Bay Diagnostic System (SBDS) has reported an interactive communication fault, typically during module programming or diagnostic sessions. The powertrain control module (PCM) or other modules detected an unexpected interruption or invalid data exchange with the diagnostic tool, often due to a low battery, poor connection, or software mismatch.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	GM specific	Medium	Intermediate	Computer and output circuits

Symptoms you may notice

- Malfunction Indicator Lamp (MIL) illuminated on the instrument cluster.
- Often no symptoms besides the warning light, especially if the code was set during a programming event.
- Possible no-start or stall condition if the fault occurred during a module flash and corrupted calibration.
- Intermittent communication errors with scan tool during diagnostics.
- Erratic operation of vehicle systems if the affected module is not functioning correctly.
- Reduced performance or limp mode if the PCM is involved.

Common causes, most likely first

- Low battery voltage or unstable power supply during module programming or diagnostic session.
- Poor connection at the Data Link Connector (DLC) or Controller Area Network (CAN) bus wiring.
- Interrupted or incompatible software update via the Service Programming System (SPS).
- Faulty ignition switch or voltage drop in the power supply to the PCM.
- Aftermarket electronic devices causing bus interference.
- Internal fault in the PCM or other module causing communication errors.
- Incorrect or corrupted calibration file loaded during a previous programming attempt.



How to diagnose and fix it

- 1 Verify battery voltage and charge as needed; ensure a stable power supply before clearing the code.
- 2 Inspect the Data Link Connector (DLC) pins for corrosion or damage and check CAN bus wiring for shorts or opens.
- 3 Clear the code and perform a relearn or reprogramming procedure using the latest GM software if the code was set during programming.
- 4 Check for and remove any aftermarket electronic devices that may interfere with the communication bus.
- 5 Test the ignition switch and power feeds to the PCM for voltage drops under load.
- 6 If the code persists, follow GM diagnostic flow charts for the specific module and consider replacing the PCM if internal faults are confirmed.

What P1614 Really Means for GM Modules

- P1614 is often a history code set during a failed or interrupted programming event and may not indicate a current fault; clearing it after a successful reprogramming is usually sufficient.
- A weak battery is the most common cause; even if the engine starts, voltage drops during programming can trigger this code.
- The code can be set by a scan tool that loses connection momentarily during a diagnostic session, not just during programming.
- Do not replace the PCM solely for P1614; always verify power and ground integrity and attempt reprogramming first.
- Some aftermarket alarm systems or phone chargers plugged into the DLC can disrupt communication and set this code.

Can I keep driving with P1614?

If the vehicle runs normally, you can drive it to a repair shop, but avoid long trips or heavy load until the code is diagnosed. If the engine stalls or runs poorly, stop driving and have the vehicle towed to prevent damage.

Tools that help

- OBD-II scan tool with GM-specific software
- Digital multimeter
- Battery charger/power supply
- Jumper wires and back probe kit
- GM Service Programming System (SPS) or equivalent



Reading P1614

- P** Powertrain: engine, transmission and emissions.
- 1** Manufacturer-specific code (GM): its meaning depends on the make.
- 6** Computer and output circuits.
- 14** The exact fault within that area.

Often seen with

P1615 Engine Oil Temperature Sensor Circuit Range Performance · **P1615** IFI Control Module N37 Supply Voltage · **P1615** Loss Of VTD Serial Data · **P0601** Internal Control Module Memory Checksum Error · **P0602** Control Module Programming Error · **P0606** PCM Processor Fault · **U0100** Lost Communication With ECM/PCM A

See it working

Watch the animated explainer [How Coil-on-Plug Ignition Works: Coil and Spark Plug](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/gm-p1614/>

