

GENERIC · POWERTRAIN

P0D57

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0D57

Proximity Detection Circuit A Range/Performance

P0D57 indicates that the powertrain control module has detected an out-of-range or erratic signal from the proximity detection circuit designated as 'A', which is typically part of an advanced driver assistance system such as parking sensors or blind spot monitoring. The computer compares the circuit's voltage or response time against expected values and flags the code when the signal falls outside the normal operating window.

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 a dedicated driver assistance warning light
- Parking assist or blind spot monitoring system becomes disabled or shows a fault message
- Audible warning chimes or continuous beeping from the proximity sensors
- Intermittent or no detection of nearby objects when maneuvering at low speeds
- Often no symptoms besides the warning light, with the system otherwise functioning normally

Common causes, most likely first

- 1 Damaged or corroded wiring harness or connector at the proximity sensor
- 2 Faulty proximity sensor itself due to internal failure or impact damage
- 3 Obstruction or contamination on the sensor face (dirt, mud, ice, or debris)
- 4 Water intrusion into the sensor or connector causing signal shorts
- 5 Loose or improperly seated sensor mounting bracket affecting alignment
- 6 Software glitch or outdated calibration in the driver assistance module
- 7 Rarely, a failing control module that processes the proximity sensor data



How to diagnose and fix it

- 1 Inspect and clean the sensor face and surrounding area for any obstructions or debris
- 2 Check the sensor connector and wiring for corrosion, damage, or loose pins
- 3 Measure resistance and voltage on the proximity detection circuit to verify signal integrity
- 4 Swap the suspect sensor with a known-good unit of the same part number to isolate the fault
- 5 Perform a calibration or relearn procedure for the driver assistance system using a scan tool
- 6 Repair or replace damaged wiring or connectors as needed
- 7 If all else fails, replace the proximity sensor or control module after confirming power and ground

Proximity sensor faults that fool technicians

- A common oversight is ignoring the sensor mounting angle; even a slight misalignment after a minor bump can set a range/performance code without any visible damage.
- The code can be triggered by a weak battery or charging system issue, as low voltage may cause the proximity module to misinterpret sensor signals.
- Aftermarket accessories such as metal bumper guards or trailer hitches can interfere with sensor operation and cause this code to appear intermittently.
- Some vehicles require a specific drive cycle or calibration procedure after sensor replacement, and skipping it will cause the code to return immediately.
- The proximity detection circuit 'A' may refer to a specific sensor in a multi-sensor system, so always consult the factory service information for the exact location and function.

Can I keep driving with P0D57?

The vehicle remains safe to drive under normal conditions, but the affected driver assistance feature may not function, so you should not rely on parking sensors or blind spot monitoring until the fault is repaired. Avoid maneuvers that depend on those systems and schedule a diagnostic appointment soon.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Factory service information or wiring diagrams
- Basic hand tools (screwdrivers, socket set)
- Sensor removal tool (if applicable)



Reading P0D57

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

Often seen with

P0D56 Proximity Detection Circuit A · **P0D58** Proximity Detection Circuit A Low · **P0D59** Proximity Detection Circuit A High · **U0122** Lost Communication With Vehicle Dynamics Control Module

See it working

Watch the animated explainer [How a Six-Speed Manual Gearbox Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0d57/>

