



Service Bulletin

Bulletin No.: 24-NA-094

Date: April, 2025

TECHNICAL

Subject: LZ0 Engine Control Module Update

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission :
		from	to	from	to		
Chevrolet	Silverado 1500	2024	2024			Equipped with 3.0L Engine (RPO LZO)	
GMC	Sierra 1500	2024	2024				

Involved Region or Country	North America, Europe, Middle East, Argentina (Mercosur), Brazil (Mercosur), Bolivia (West), Chile (West), Colombia (West), Ecuador (West), Paraguay (West), Peru (West), Uruguay (West), Philippines, Other Africa
Condition	Some customers may comment on a Malfunction Indicator Lamp illuminated in the DIC.
July 2024	The cause of the condition may be a software anomaly. Technician may find DTCs: • P049D - Exhaust Gas Recirculation Valve Position Not Learned • P11D5 - Nitrogen Oxides Sensor 2 Exceeded Minimum Learning Limit • P138C – Warm Catalyst Heating Combustion Mode Performance • P140C - Exhaust Gas Recirculation Valve Slow Response - Decreasing Flow • P1428 - Exhaust Gas Recirculation Temperature Sensor and Intake Air Temperature 2 Sensor Correlation • P2002 - Particulate Filter Low Efficiency • P20FE - Reductant Injector Performance - Low Reductant Consumption • P2297 - Heated Oxygen Sensor Performance During Deceleration Fuel Cut-Off • P22FE - Nitrogen Oxides Sensor 2 Performance - Sensing Element • P22FB - Nitrogen Oxides Sensor Performance - Sensing Element • P2463 - Particulate Filter Soot Accumulation • P2459 - Particulate Filter Regeneration Frequency
Post-production	• P0089 - Fuel Pressure Regulator Performance • P049D - Exhaust Gas Recirculation Valve Position Not Learned • P04FB – Crankcase Ventilation Hose Connection Pressure Sensor Performance • P1004 - NOx Sensor 2 Slow Response • P1098 - Engine Coolant Control Valve Position Sensor Minimum Stop Performance (If P1098 is set, replace the CCV after updating the ECM) • P115E - Oxygen Reference Voltage Circuit (Nitrogen Oxides Sensor) • P115F - Oxygen Reference Voltage Circuit Low (Nitrogen Oxides Sensor) • P1160 - Oxygen Reference Voltage Circuit High (Nitrogen Oxides Sensor) • P116A - Oxygen Signal Circuit (Nitrogen Oxides Sensor) • P116B - Oxygen Signal Circuit Low (Nitrogen Oxides Sensor) • P116C - Oxygen Signal Circuit High (Nitrogen Oxides Sensor) • P116D - Oxygen Pump Current Control Circuit (Nitrogen Oxides Sensor) • P116E - Oxygen Pump Current Control Circuit Low (Nitrogen Oxides Sensor)

- P116F - Oxygen Pump Current Control Circuit High (Nitrogen Oxides Sensor)
- P1192 - Oxygen Low Reference Circuit (Nitrogen Oxides Sensor)
- P1193 - Oxygen Low Reference Circuit Low (Nitrogen Oxides Sensor)
- P1194 - Oxygen Low Reference Circuit High (Nitrogen Oxides Sensor)
- P119A - Nitrogen Oxides Sensor Signal Circuit
- P119B - Nitrogen Oxides Sensor Signal Circuit Low
- P119C - Nitrogen Oxides Sensor Signal Circuit High
- P119D - Nitrogen Oxides Sensor 2 Signal Circuit
- P119E - Nitrogen Oxides Sensor 2 Signal Circuit Low
- P119F - Nitrogen Oxides Sensor 2 Signal Circuit High
- P11BE - Oxygen Reference Voltage Circuit (Nitrogen Oxides Sensor 2)
- P11BF - Oxygen Reference Voltage Circuit Low (Nitrogen Oxides Sensor 2)
- P11C0 - Oxygen Reference Voltage Circuit High (Nitrogen Oxides Sensor 2)
- P11C7 - Nitrogen Oxides Sensor 2 Heater Ground Circuit
- P11C8 - Nitrogen Oxides Sensor 2 Heater Ground Circuit High
- P11D0 - Oxygen Signal Circuit (Nitrogen Oxides Sensor 2)
- P11D1 - Oxygen Signal Circuit Low (Nitrogen Oxides Sensor 2)
- P11D2 - Oxygen Signal Circuit High (Nitrogen Oxides Sensor 2)
- P11D8 - Oxygen Pump Current Control Circuit (Nitrogen Oxides Sensor 2)
- P11D9 - Oxygen Pump Current Control Circuit Low (Nitrogen Oxides Sensor 2)
- P11DA - Oxygen Pump Current Control Circuit High (Nitrogen Oxides Sensor 2)
- P11DC - Nitrogen Oxides Sensor 2 Current Performance
- P11FC - Oxygen Low Reference Circuit (Nitrogen Oxides Sensor 2)
- P11FD - Oxygen Low Reference Circuit Low (Nitrogen Oxides Sensor 2)
- P11FE - Oxygen Low Reference Circuit High (Nitrogen Oxides Sensor 2)
- P1388 - Nitrogen Oxides Sensor 3 Signal Circuit
- P1389 - Nitrogen Oxides Sensor 3 Signal Circuit Low
- P138A - Nitrogen Oxides Sensor 3 Signal Circuit High
- P138C - Warm Catalyst Heating Combustion Mode Performance
- P140C - Exhaust Gas Recirculation (EGR) Slow Response - Decreasing Flow
- P1428 - Exhaust Gas Recirculation Temperature Sensor and Intake Air Temperature 2 Sensor Correlation
- P14AC - Oxygen Signal Circuit High (Nitrogen Oxides Sensor 3)
- P14AD - Oxygen Pump Current Control Circuit (Nitrogen Oxides Sensor 3)
- P14AE - Oxygen Pump Current Control Circuit Low (Nitrogen Oxides Sensor 3)
- P14AF - Oxygen Pump Current Control Circuit High (Nitrogen Oxides Sensor 3)
- P14B0 - Oxygen Low Reference Circuit (Nitrogen Oxides Sensor 3)
- P14B1 - Oxygen Low Reference Circuit Low (Nitrogen Oxides Sensor 3)
- P14B2 - Oxygen Low Reference Circuit High (Nitrogen Oxides Sensor 3)
- P14B3 - Nitrogen Oxides Sensor 3 Heater Ground Circuit
- P16F4 - Control Module Transmission Range Switch Input Circuitry Performance
- P2002 - Particulate Filter Low Efficiency
- P20FE - Reductant Injector Performance - Low Reductant Consumption
- P2202 - Nitrogen Oxides Sensor Circuit Low
- P2203 - Nitrogen Oxides Sensor Circuit High
- P2205 - Nitrogen Oxides Sensor Heater Control Circuit
- P2206 - Nitrogen Oxides Sensor Heater Control Circuit Low
- P2207 - Nitrogen Oxides Sensor Heater Control Circuit High

	• P2208 - Nitrogen Oxides Sensor Heater Feedback Circuit • P2209 - Nitrogen Oxides Sensor Heater Feedback Performance • P220A - Nitrogen Oxides Sensor Supply Voltage Circuit • P220B - Nitrogen Oxides Sensor 2 Supply Voltage Circuit • P2210 - Nitrogen Oxides Sensor Heater Feedback Circuit Low • P2211 - Nitrogen Oxides Sensor Heater Feedback Circuit High • P228A - Fuel Pressure Regulator Control - Forced Engine Shutdown • P228B - Fuel Pressure Regulator 2 Control - Forced Engine Shutdown • P228C - Fuel Pressure Regulator Control Performance - Low Pressure • P228D - Fuel Pressure Regulator Control Performance - High Pressure • P2297 - Heated Oxygen Sensor Performance During Deceleration Fuel Cut-Off • P229F - Nitrogen Oxides Sensor 2 Performance • P2293 - Fuel Pressure Regulator 2 Performance • P22A0 - Nitrogen Oxides Sensor 2 Circuit Low • P22A1 - Nitrogen Oxides Sensor 2 Circuit High • P22A3 - Nitrogen Oxides Sensor 2 Heater Control Circuit • P22A4 - Nitrogen Oxides Sensor 2 Heater Control Circuit Low • P22A5 - Nitrogen Oxides Sensor 2 Heater Control Circuit High • P22A6 - Nitrogen Oxides Sensor 2 Heater Feedback Circuit • P22B6 - Heated Oxygen Sensor 2 Pump Current Trim Circuit Low • P22B7 - Heated Oxygen Sensor 2 Pump Current Trim Circuit High • P22FB - Nitrogen Oxides Sensor Performance - Sensing Element • P22FE - Nitrogen Oxides Sensor 2 Performance - Sensing Element • P23AE - Nitrogen Oxides Sensor 3 Circuit Low • P23AF - Nitrogen Oxides Sensor 3 Circuit High • P23B1 - Nitrogen Oxides Sensor 3 Heater Control Circuit • P23B2 - Nitrogen Oxides Sensor 3 Heater Control Circuit Low • P23B3 - Nitrogen Oxides Sensor 3 Heater Control Circuit High • P23B4 - Nitrogen Oxides Sensor 3 Heater Feedback Circuit • P23B6 - Nitrogen Oxides Sensor 3 Supply Voltage Circuit • P23B8 - Nitrogen Oxides Sensor 3 Heater Feedback Circuit Low • P23B9 - Nitrogen Oxides Sensor 3 Heater Feedback Circuit High • P23C1 - Nitrogen Oxides Sensor 3 Performance - Sensing Element • P242D - Exhaust Gas Temperature Sensor 3 Circuit High — Internal Component Fault • P242E - Exhaust Gas Temperature Sensor 3 Circuit Intermittent — Internal Component Fault • P2459 - Particulate Filter Regeneration Frequency • P2463 - Particulate Filter Soot Accumulation • P24B0 - Particulate Matter Sensor Circuit Low • P24C7 - Particulate Matter Sensor Temperature Circuit Performance • P2EAD - Reductant Injector 2 Performance - Low Reductant Consumption
Cause	These condition(s) may be caused by a software anomaly.
Correction	Update the ECM with the latest calibration. If no new calibrations are available, refer to SI diagnostics.

Service Procedure

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Version	2
Modified	Released May 30, 2024 Revised April 10, 2025— Updated the correction and cause and added DTC's to Post-production sections— Removed Service Procedure and Labor Operation.

