1992–1997 LT1 — Basic PID Guide

This list describes the basic parameters LT1 TUNER needs for remote tuning. Names vary among TunerPro, EEHack, LT Logger, LT-Flash and other supported software. Use the equivalent available parameter; some older ECMs do not provide every channel.

General idle, cruise and drivability channels

Engine speed: Engine RPM

Load and throttle: MAP; MAF flow/frequency if equipped; TPS voltage or percent

Temperatures: Coolant (ECT) and intake air (IAT)

Ignition: Spark advance and knock retard if available

Fuel corrections: STFT and LTFT, each bank when supported; BLM cell for applicable systems

Oxygen sensors: Narrowband O2 sensor readings, bank 1 and bank 2 where available

Idle control: IAC counts/position and desired idle RPM

Other: Vehicle speed, fuel system status, wideband voltage and diagnostic counters as available

Wideband options by generation

- **1992–1993:** A/C Pressure or EGR.
- **1994–1995 EEHack:** A/C Pressure or unused D27.
- **1996–1997 LT-Flash:** 0–5V input on LT-Flash cable.

If your software has a return-byte or channel limit, split into idle/cruise and power/WOT configurations. For LT Logger 0.7 configurations subject to a 24-byte limit, favor the basic channels first; a fast acquisition mode may be useful. Do not treat specific LT Logger PID addresses as universal.

Safety & submission

Start with warm idle, light cruise and gentle throttle transitions. No power-adder or full-throttle pulls until specifically requested. Save your channel configuration and verify your wideband reading before recording. Submit actual files with the revision number and symptom notes.