

MATCH THE ACTUAL CONTROLLER / OS BEFORE A TRIAL

Early 5.7 HEMI – Fixed-Cam Startup & Idle

Self-service guide for confirmed non-VVT 5.7 hardware, normally 2003-2008. Use the actual controller/OS on swaps; later heads or intake do not establish a later control strategy.

1. Give a cammed engine a workable idle target

Save a pre-trial file. In your own file, locate the actual idle-RPM target versus coolant temperature and read its definition. For a running engine that struggles at its existing target, try +50 RPM only in the warm-temperature cells and P/N or in-gear row involved. Keep cold-start values and unrelated operating rows unchanged. Blend the edge into neighboring temperature cells. HP Tuners publishes +50 RPM as a common example, not an early-HEMI preset or a universal parameter ID.

2. Judge the result, then keep or undo it

Compare actual with requested RPM under the same warm, gear and accessory conditions. Keep a change only if the engine holds idle more reliably without a new surge or hang. If it worsens, restore those cells from the saved pre-trial file. Change one control at a time.

3. Catch, steady idle and coast-down are separate

A warm-idle target does not fix an engine that never catches. If it idles but dies after pedal release, identify this controller's return-to-idle function. Record its definition, units and active operating condition before considering a change. Do not import later-HEMI screenshot IDs, VVT or ANN settings into an early fixed-cam file. If the function is not documented in your file, leave it unchanged.

4. DIY scope

Download purchases do not include personal JRJ troubleshooting, file/log review or tune changes. Personalized work requires a paid upgrade within the chosen package. Eligible verified original purchase credit reduces the balance due.

Want us to handle the tune?

A download includes self-service written guidance only. Personal troubleshooting, individual file/log review and tune changes require a paid upgrade within the chosen package. We deduct the verified amount actually paid for your eligible file; you pay the remaining balance.

[See your paid upgrade options](#)



Sources and example scope

[HP Tuners: idle-speed adjustment method](#)

[COMP: separate early and VVT HEMI cam families](#)

[Dodge 2009 OEM brochure: Eagle/VVT revision \(archived\)](#)

[HP Tuners: find the actual parameter and hover description](#)

Apply only to the identified controller/OS and matching control definition. Examples are starting trials, not a finished tune, compatibility approval or guaranteed repair. Personal JRJ troubleshooting, file/log review and changes require a paid upgrade.