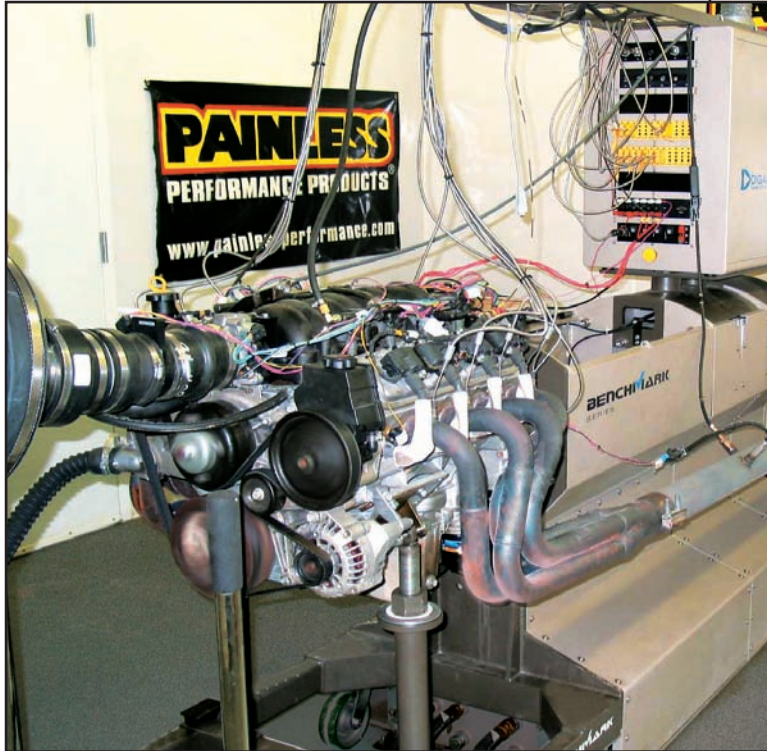


PERFECT[™]



THE PERFECT CHOICE

As engines become more and more sophisticated from Detroit and precisely balanced calibrations become more critical, the need for an equally sophisticated aftermarket engine controller becomes even greater. Because every situation is different, a cookie-cutter approach just won't do. An engine management system for a fuel-injected engine cannot be a one-size-fits-all solution.

In 2005 Painless introduced the hugely successful **PERFECT Engine Management System**. By finely calibrating the air/fuel ratio, spark advance and injector pulse width every 50 RPM from off-idle to WOT we are able to optimize the performance and power available in each engine. Not a single horsepower is left on the table and the drivability of a **PERFECT** powered engine has to be felt to be believed.

2006 saw the introduction of our first **PERFECT HI-RPM System**, which includes a roller camshaft and a custom tuned ECM. For those looking for increased power from their engine, **PERFECT HI-RPM** offers guaranteed performance without the need for reprogramming the ECM. Our LS1 system delivers 409 HP and 407 lbs/ft of torque – a 38 hp increase over stock. The new LT1 system produced 370 HP and 387 lbs/ft of torque. That's a 45 HP gain over stock. No tinkering, no dialing, no calibrating. Just install the camshaft and plug the system in.

But what about modifying your engine's hardware? Some people want to do their own thing – play around with compression, headers, rocker ratio, spring tension – any number of things. If that's you, then a preprogrammed ECM won't fit the bill. You'll need an ECM with a whole range of programming possibilities. That's where our new **PERFECT Perfection Software** and the **PowerCom LS Engine Management Systems** come in.

PERFECT Perfection Software now allows you to custom tailor the **PERFECT** ECM to take maximum benefit from such engine hardware upgrades as a bigger cam, larger displacement injectors, larger throttle body or custom cylinder heads, right from your own laptop.

Designed initially for LS1 and LS2 engines, **PowerCom LS Engine Management Systems** are completely user programmable from a laptop using our sophisticated **PowerCom Cal-Tool** software, allowing for extensive engine modifications. **PowerCom** will also operate an electronic transmission so if you're mating your LS1 up to a 4L60E trans, you're good to go. And electronic throttle (or throttle by wire)? No sweat. **PowerCom** is ready to handle both mechanical and electronic throttle.

The following pages show you all the features and benefits of these systems. Whatever your needs are and whichever you select, when it comes to fuel injection engine management, Painless is your perfect choice.



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