

Power Chip Boosts Performance Of Duramax Diesel

If you're a General Motors diesel pickup fan and have a newer model with a Duramax HD engine, you know what an improvement it is over older model diesels.

However, there's nothing wrong with trying to make a good thing better. With an additional investment of around \$800 and less than 10 minutes of time you can significantly boost power and fuel economy, says BD Power, Sumas, Wash., and Abbotsford, British Columbia.

The company's plug-in chip set reprograms the engine's computer to alter the time and duration of fuel injection according to load. The company says once the engine has warmed up to 80 percent of operating temperature, the extra power provided by the "EZ

AMP" chip becomes available. It's programmed so changes occur early in the throttle pedal travel, so you don't have to stomp the accelerator to the floor to get a response.

EZ AMP also monitors transmission performance and if the power boost causes clutch slippage, it automatically backs the power down to stock levels and gradually brings it back up again. Power is also backed off when shifting or when the transmission is in converter lock.

The operator programs EZ AMP to one of four different levels of extra power, from 30 to 90 hp and 150 to 250 ft. lbs. of torque, using routines with the engine key, accelerator pedal and gear shift lever.

BD Power also makes power boosting chips for Ford and Dodge diesel pickups, as well as super-sized air filter/intake boxes. If you're towing a heavy trailer in rugged or mountainous terrain, you might also want to consider one of the company's exhaust brake kits. Selling for under \$1,200, these are said to be a big improvement over downshifting for compression braking, and in addition, can save inches of wear off your brake pads.

Contact: FARM SHOW Followup, BD Power, A10-33733 King Rd., Abbotsford, B.C., Canada V2S 7M9 or in the U.S., BD Power, Box 231, Sumas, Wash. 98295 (ph 604 853-6096 or toll-free 800 887-5030; fax 604 853-8749; email: info@bd-power.com; website: www.bd-power.com).



Plug-in chip reprograms engine's computer to alter time and duration of fuel injection according to load.

Plug-In Module Boosts Power On Turbocharged Diesel Engines

If you've got a Dodge, Chevrolet, or Ford pickup equipped with a turbocharged diesel engine, you'll be interested in this new after-market product that's designed to boost the engine's power and fuel economy.

The Power Edge EZ plug-in module is designed primarily to add power when towing trailers and heavy loads. It taps into the engine control module (ECM), and controls the fuel-injection pump to provide maximum fueling at full turbo boost. The module is designed to work with the Dodge 24-valve Cummins, Ford Power Stroke, and Chevrolet Duramax diesel turbocharged engines.

According to Edge Products, Inc., Ogden, Utah, the engines on these pickups are well suited to a programmed soup-up, because the power output is under computer control. "Farmers know the diesel engines on these pickups are long lasting and provide a lot of torque. However, at times you might need more power and torque, especially in towing situations when merging with traffic or trying to pass," says Justin Kelley. "On average you can expect an increase of 50 to 150 horsepower, an increase of 100 to 350 ft.-lbs. in torque, and a 10 percent increase in fuel economy."

The module is waterproof and installs under the hood. It requires installation of several electrical connectors and a replacement turbo boost monitor fitting. The wiring harness on the module has male and female connectors. You simply unplug the factory-equipped sensor connectors and plug them into the Power Edge harness connectors. In the case of Dodge, another connector on the module harness plugs into the ECM Data Link connector under the hood.

Installation takes about 15 minutes.



Power Edge EZ plug-in module taps into the engine control module and controls the fuel-injection pump to provide maximum fueling at full turbo boost.

The modules sell for anywhere from \$369 for the Dodge and Ford models up to \$1,149 for a high-end model designed for the Chevrolet Duramax. That module adds 145 hp and 350 ft.-lbs. of torque and comes with built-in, performance-testing gauges. It adjusts for tire size, shows you correct road speed, indicates whether the torque converter is locked or not, shows the throttle percentage, and how much the transmission is slipping.

"For every \$100 you spend, you can expect an increase of about 15 horsepower," says Kelley.

The company also offers a plug-in module for the Caterpillar 3126 tractor equipped with a diesel engine. It sells for \$849 retail.

Contact: FARM SHOW Followup, Edge Products, Inc., 5875 South Adams Ave., Suite 100, Ogden, Utah 84405 (ph 801 476-3343; fax 801 476-3348; website: www.edgeproductsinc.com).

"Reprogrammer" Boosts Power

Whether you're driving a gasoline or diesel-fueled pickup, you can boost power output and fuel economy with a Hypertech Power Programmer, all in under 15 minutes and without even raising the hood.

Produced by Hypertech, Inc., Bartlett, Tennessee, these programmers plug into the underdash diagnostic connector that gives them access to the central computer on most modern internal combustion engines.

Once the Power Programmer is plugged in, the owner uses a simple menu system to recalibrate ignition timing, fuel delivery and turbo boost. The programmer also adjusts automatic transmission shift points for quicker acceleration and raises the engine RPM limiter to provide more power immediately after gear changes.

Users who tow report up to a 50 hp increase in power from diesel engines after using the Power Programmer, according to the company.

Hypertech's programmers for gasoline engines assume you'll be using 92 to 93 octane fuel. However, the company does have some applications that have a dual fuel tuning program available. Ask them about it before using with lower octane fuel.



Hypertech Power Programmer can boost power output and fuel economy on both gas and diesel-fueled pickups.

The company says using a Power Programmer will not void warranties on new engines. However, it may cause questions from dealers. To avoid these, you can return the vehicle to the original factory settings quickly and easily at any time, such as before regular maintenance checks.

Hypertech Power Programmers are also available for most U.S.-made pickups and cars.

Contact: FARM SHOW Followup, Hypertech, 3215 Appling Rd., Bartlett, Tenn. 38133 (ph 901 382-8888; e-mail: sales@hypertech.com; website: www.hypertech.com).

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Mark Newhall, Editor

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