

Upgrade Injection For More Power

You can add power and fuel efficiency to pre- 2007 diesels by upgrading to “full fuel flow” injectors, says Ryan Casserly of Full Force Diesel. The company sells remanufactured stock and performance injectors with the chips and other components needed to maximize power from older diesel engines.

“Fuel systems in older diesels didn’t come with a lot of power compared to their potential,” says Casserly. “We remanufacture the injectors to produce more power, but what we’ve found is that we also bumped the fuel economy. The biggest increase is with our performance injectors.”

The company offers stock and performance injectors for Ford Power Stroke and Dodge Cummins diesels. The company carries new injectors as well as pre 2007 ones that they remanufacture with new tungsten-coated plungers and new nozzles. Flow is matched to a 1 percent variation for long life and precise fuel delivery.

“A lot of what we deal with are engines from 1994 to 2007,” says Casserly. “The Powerstroke 7.3 and 6.0 are where we made our market.”

Full Force Performance injectors include multiple levels with a wide range of power increases. Models depend on year, model and end use, such as moderate or heavy towing versus recreational use. Performance chips are required for performance injectors. Prices for performance injectors start

at \$1,195 and can go as high as \$5,000 for a set of custom injectors for race cars.

“Most of our performance injector customers are using their trucks for everyday towing and step up to the lower end of performance injectors,” explains Casserly. “They want the extra boost when towing, the get-up-and-go to get there quickly. Another segment is weekend warriors pulling campers or dune buggies. A smaller segment is high performance for racing.”

End use determines the recommended package, whether Stage 1, 1.5, 2 or 3, with Stage 1 recommended for heavy-duty towing. Depending on the flow size and type of performance injector ordered, other upgrades may be recommended to the fuel system, as well as to the oil and mechanical systems. Those can include turbo replacement and transmission and clutch upgrades.

Regardless of size or end use, the basic goal is the same, suggests Casserly. “Our injectors provide more fuel, but the chips tell the engine when to fire to make the most efficient use of the fuel,” he says. “Stock injectors can be slapped in without much worry, as they have less impact on fuel use or power.”

Even upgrading with rebuilt stock injectors can significantly improve power output and fuel efficiency, adds Casserly. That is particularly true with less well-maintained engines and those with more than 200,000



Full Force Diesel sells remanufactured fuel injectors to maximize power and increase fuel efficiency on older diesel engines.

miles.

“You can see how people take care of their injectors by how worn they are,” he says. “It is important to use oil formulated for high pressure in these diesel engines and maintain the recommended oil change schedule.”

Casserly notes that lesser quality oil can be used in farm tractors. However, he recommends high quality oils like Mobil Delvac, Valvoline Turbo Blue, Amsoil or Schaeffers in truck engines.

Customers can have their current injectors rebuilt or avoid a core charge by sending the old injection set when ordering. Rebuilt sets can also be ordered and cores returned later for a core charge refund.

Contact: FARM SHOW Followup, Full Force Diesel, 1511 Sarah Court, Murfreesboro, Tenn. 37129 (ph 615 962-8291 or 615 962-8295; sales@fullforcediesel.com; www.fullforcediesel.com).

Reader Inquiry No. 174

The Bryan Furnace

With the uncertainty of fuel prices, it’s time to take control of your heating cost and switch to an alternative fuel source. “The Bryan Furnace” is the choice that many have made in these hectic times. “The Bryan Furnace” is suitable for almost any type of structure including manufactured homes, log homes, greenhouses, work shops, paint booths or any type of structure where clean warm air is desired.

“The Bryan Furnace” is a wood burning furnace that sits outside the home and requires no home modifications. The unit can be located within two feet of the house. It requires no shelter as the exterior is either galvanized or stainless steel. The combustion air system, with indoor wall-mounted thermostat, is available on all models. The Bryan Furnace takes up to 36-in. long logs (45 in. on model 450) and will burn 8 to 12 hrs. with each filling.



Dealer inquiries are welcome.

Contact: FARM SHOW Followup, Rik-Mar, Inc., P.O. Box 4232, Bryan, Texas 77805 (ph 800 927-9947 or 979 779-1616; email: rik-mar@txcyber.com; website: www.rik-mar.com).

www.thebryanfurnace.com

Reader Inquiry No. 20

TEST STANDARDS: CSA B366-M1979.ETLM 78-1—CONAM inspection, Inc. Auburn, MA 01501 CHTL-202 Model 450, 250,000 btu’s Model 300, 130,000 btu’s Model 350, 90,000 btu’s