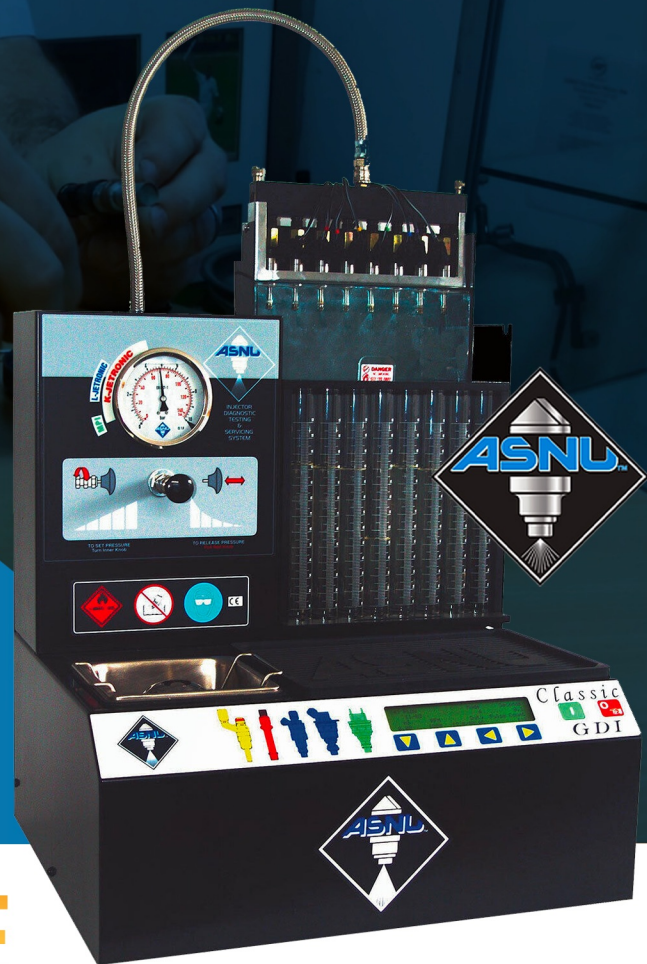


THE CLASSIC GDI

Injector Diagnostic Testing
& Servicing System



TEST & SERVICE EVERY GASOLINE INJECTOR EVER PRODUCED

K-JET/PORT/SIDE-FEED/TOP-FEED/MONOPOINT/GDI/SOLENOID

At Superior Diesel Companies, we use a proprietary manufacturer-approved fuel injector cleaning and flow testing process which employs special computer-controlled testing equipment. Using this ultrasonic cleaning method, we restore dirty, clogged, gummed up or leaking fuel injectors to operate at the same level and standard as if it were brand new.

TECH INFO

The ASNU Classic GDI - The complete system for the latest generation of fuel injection.

- Suitable for Injected Motorcycles
- Suitable for Injected Marine Engines
- Suitable for LPG Injection
- Tests up to 8 injectors at one time
- Simulates on-car spray patterns & flow rates
- For use on EVERY type of Manifold Injector



ADDITIONAL FEATURES

ASNU offers machine upgrades that allow for additional testing, upgrades, and software options so we can accommodate any requests!

- Suitable For All Types GDI Injectors (except Piezo injectors)
- Sequential and Simultaneous firing option for Standard Manifold Injectors
- Fast injector turn on and turn off circuits giving more repeatable results
- Injector Inductance Test - Checking Injector Electro Magnetic Circuit
- Peak & Hold Current Control with ECU matched current settings
- Single Injector Selection During Multi Injector Operation
- Sequential Injector Firing Operation for GDI injectors
- Simulates on-car Spray Patterns & Flow Rates
- 18 Various M/S & RPM Test Settings
- Static and Dynamic Operation

**LOCATIONS
SERVING YOU**

Detroit Superior Turbo & Injection. 3745 Central Street | Detroit, MI 48210 | (313) 203-3700

Grand Rapids Diesel Injection Service. 430 54th St SW | Grand Rapids, MI 49548 | (616) 531-1030

Edwardsburg Stateline Diesel Service. 25162 US Highway 12E | Edwardsburg, MI 49112 | (269) 663-8571

Blissfield Superior Turbo & Injection. 211 N Jipson St | Blissfield, MI 49228 | (517) 486-0000

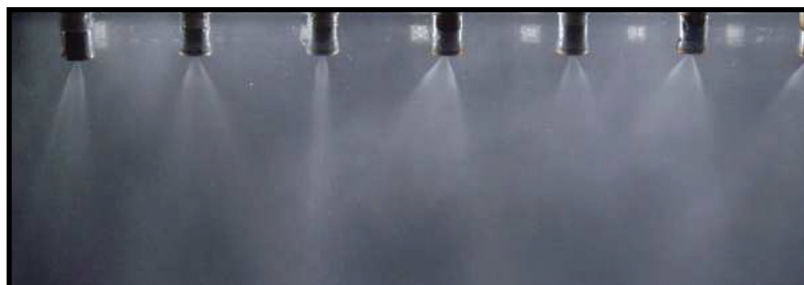


SUPERIOR
DIESEL COMPANIES
WWW.SUPERIORDIESELCOMPANIES.COM

GDI INJECTORS & FUEL TRIMS

Ensuring the proper distribution and atomization of a GDI injector is of utmost importance in maintaining optimal performance, fuel efficiency, and exhaust emissions. In fact, it has become even more critical than the actual amount of fuel dispensed by the injector. The latest adaptive engine management systems feature short and long-term fuel trim adjustments, which allow for compensating any discrepancies in CO emissions by adjusting the fuel delivery. Some systems even permit a fuel delivery adjustment of up to 15% per injector. However, it's worth noting that fuel distribution and atomization cannot be accurately compensated for by these measurements, as there are various other factors involved in the fuel trim adjustment.

FUEL TRIM ADJUSTMENTS ARE NOT CORRECTING THE PROBLEM; ONLY COMPENSATING FOR IT. DON'T FIND THE PROBLEM, FIND THE CAUSE.



NONE OF THE CURRENT ENGINE MANAGEMENT SYSTEMS CAN MEASURE OR COMPENSATE FOR THE INJECTORS FUEL DISTRIBUTION AND ATOMIZATION

A selection of GDI injectors with discrepancies in the Distribution and Atomization of the spray patterns

With the ASNU system, users can inspect individual fuel injectors either on a per-cycle basis or sequentially. In sequential mode, they can evaluate injector performance across a variety of simulated driving cycles programmed into the ASNU system, based on different millisecond and RPM settings. The number of injectors being tested is the only limiting factor for RPM and millisecond settings in the sequential testing operation.



THE ASNU 2 STROKE GDI BOX

The 2 Stroke GDI system has been produced to drive Evinrude and Ficht Direct Injectors with an ASNU Classic GDI machine.

Marine | Snow | Land

- Run Ficht and ETEC injectors using any Asnu Classic GDI machine / GDI Box
- Recover seized injectors
- Clean fouled injectors
- Leak test injectors
- Dynamic flow test injectors (pulsing)
- View spray patterns

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