

Motorvation is owned by racers that test and use the products they not only sell but win with.

**TJ Tracey**— winner of inaugural “Million dollar race”, '07 NHRA Midwest Nationals in Super Comp, '07 NHRA SPORTSNationals in Top Sportsman, and numerous big money bracket races. Racing with EFI for 12 years.

**TJ races:**

'63 Corvette Top Sportsman 565 EFI and Nitrous BBC.

'00 Racecraft Dragster 555 EFI / Methanol

**Mark Pickens**— winner of '07 NHRA div 4 Top Sportsman Memphis race.

**Mark races:**

'07 Top Sportsman GTO with a 665 EFI and Nitrous BBC.

'95 Top Sportsman Cutlass with a 632 EFI and Nitrous BBC.

'85 Corvette Quick 8 car with a 427 sbc with a F2R Procharger.



## Electronic Fuel Injection Systems and Components



# Motorvator EFI Systems

## Drag Race EFI System

Finally an EFI system built specifically for the sportsman racer.

User friendly software designed for the racer. Very simple to use with all the necessary tables.

System comes complete to convert to EFI without removing your intake or ignition.

Custom tuning for your specific application is supplied for ready to race consistency.

Works with gasoline, methanol and E85.

Complete control of fuel, spark and nitrous tuning.

Great for use with superchargers where fuel must be run above the blower.

**Upgrades:** wide band o2 sensor for closed loop control and internal data logging.

**Optional:** Port injected EFI intakes available.

Proven to be extremely consistent and powerful.

## Street Rod EFI System

A speed density system designed for engines used for street/strip use or any engine with a supercharger or turbocharger.

User friendly software for easy tuning.

Works with 1,2, or 3 bar MAP sensor

IAC control

Upgrade of wide band o2 for closed loop operation is available.

Clearly labeled wiring harness for easy installation.



### The Motorvator EFI System includes:

4bbl throttle body complete w/injectors, fuel rails, and TPS for ease of installation and great fuel distribution.

Computer with wiring harness, software and interface cable.

Fuel Pump, regulator and filter included.

Ready to use with a custom tune installed for your application.

**Note:** Throttle body, injectors and fuel pump size will depend on application.



The NHRA national event winning Motorvation super comp / bracket dragster with the Motorvator EFI system.



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## 2008 New Products

## Throttle Bodies

901150-4150 4bbl (1.75) throttle body w/TPS and IAC.

951150-4150 4bbl (1.75) Injector throttle body w/ Fuel rails and TPS/ IAC.

902100-Dominator 4bbl (2.25) throttle body w/TPS.

952100-Dominator 4bbl (2.25) Injector throttle body w/ Fuel Rails and TPS.



Throttle Bodies are CAD designed and machined from 6061-T6 aluminum.

Throttle blades are made from 2024-T351 aluminum for strength.

One to one linkage opens throttle blades to the center for a consistent and even airflow distribution.

Unique roller design eliminates any possibility of the linkage going over center and sticking open.

Premium double sealed roller bearings are used with throttle shafts.

All stainless hardware.

Late model GM TPS.

Same bore center as Holley carburetors, most throttle stops will work.

1/4" and 3/16" vacuum ports.

## Fuel Systems

911120-1100HP Electric Fuel Pump

911121-1500HP Electric Fuel Pump

911122-1800HP Electric Fuel Pump

917118-2500HP Belt drive Fuel Pump w/ Pulley and mounting bracket.

912328-Fuel Filter w/10 micron filter.

912329-Fuel Filter w/100 micron filter.

913123-Fuel PSI Regulator



Performance Fuel Pumps that are proven to be durable, reliable, attractive, and supports high horsepower.

All electric fuel pumps are for use with gasoline fuels only and are fully submersible for custom in tank installations.

All ports use AN O-ring fittings.

Alcohol fuels require the use of a belt driven fuel pump.

The belt driven pump comes complete with pulley and an universal mounting bracket.

The Fuel Bypass Regulator is adjustable from 30 to 70 PSI, it rises on a 1:1 ratio with boost and is gasoline and alcohol compatible.

Fuel Filters have replaceable elements, -10AN ports and can flow 2000lb/hr with less than 1 PSI drop.

## Injectors / Sensors

900024-24lb/hr Injectors.

900030-30lb/hr Injectors.

900036-36lb/hr Injectors.

900042-42lb/hr Injectors.

900048-48lb/hr Injectors.

900055-55lb/hr Injectors

900065-65lb/hr Injectors.

900083-83lb/hr Injectors.

900095-95 lb/hr Injectors.

900120-120 lb/hr Injectors.

900160-160lb/hr Injectors.

900010-Late GM TPS (used on Motorvation Throttle bodies).

900011- Ford style TPS

900015-Water Temp Sensor.

900016- Air Temp Sensor.

900017-1 bar MAP Sensor.

900018-2 bar MAP Sensor.

900019-3 bar MAP Sensor.

900020-Early GM IAC.

900021-Late GM IAC (used on Motorvation Throttle Bodies).

900030-Injector Bung (weld in)

900031-Fuel Rail per/ft

900032-Intake Conversion.

We also carry many EFI cast intakes.



## ECU / Hardware

990001-ECU w/Harness, Software and Cable Drag Race Version.

990002-ECU w/Harness, Software and Cable Street Rod Version.

990003-ECU only.

990004-Wide Band O2 Upgrade.

990005-Internal Data Logging Upgrade.



## Custom Computer Chips / ETC...

Our engineers have 21 years experience with OEM computers. We have a line of chips and programmers for many GM and Ford vehicles.

We specialize in custom tuning chips. Visit our web site, [www.Motorvation.tv](http://www.Motorvation.tv) for detailed information on how we may make your daily driver more powerful and economical.



## YOUR COMPLETE EFI TUNING SOURCE

Motorvation can support most EFI systems. With years of experience tuning an assortment of EFI systems, we can provide expert technical assistance.