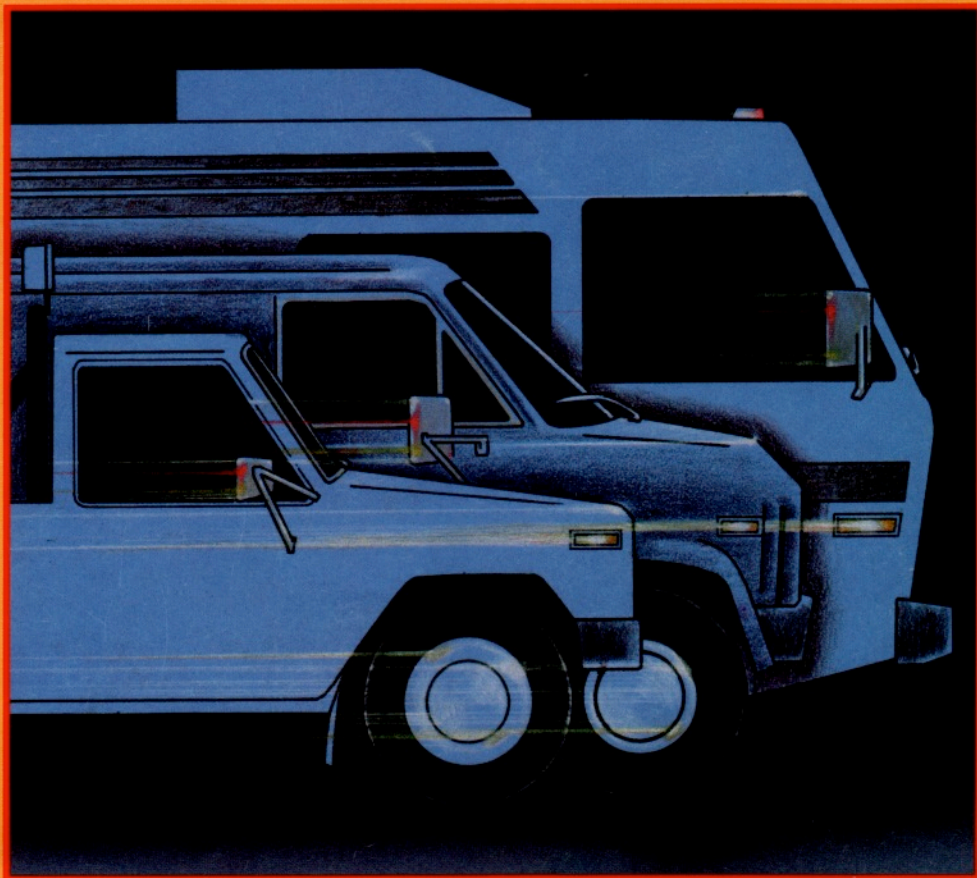


MORE HP AND MPG FOR YOUR TOWING RIG OR RV



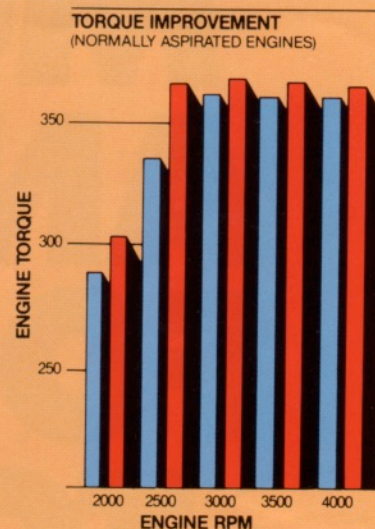
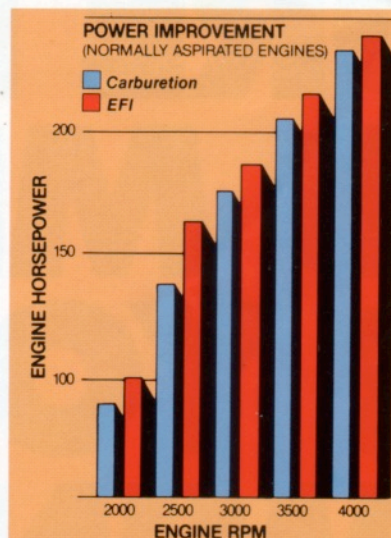
ELECTRONIC FUEL INJECTION

The Power of Tomorrow Today

Say good-bye to the carburetor performance compromise! Electronic Fuel Injection (EFI) is the wave of the future, and AirSensors™ is riding the crest of that wave with exclusive EFI technology that delivers more power, better mileage and fewer exhaust emissions than any normally-carbureted engine intake system.

If you do a lot of towing or drive a recreational vehicle (RV), you know that a stock carburetor set-up just isn't up to the job of pulling two tons of horse trailer or industrial low-boy — not to mention transforming your sedate RV into a hard-driving "home on the range." Now, thanks to AirSensors, the days of walking-pace hillclimbs are over.

The performance breakthrough you've been waiting for is the Throttle-Body Single-Point Injection system from AirSensors. At the heart of this revolutionary system is our own, patented Air Mass Sensor that exploits the latest



Carburetion vs. EFI: "Bolt-on" horsepower and torque

advances in "platinum hot wire" electronic anemometry for airflow readings that are vastly superior to the "speed-density" mechanical-type air meters used by every other fuel injection manufacturer.

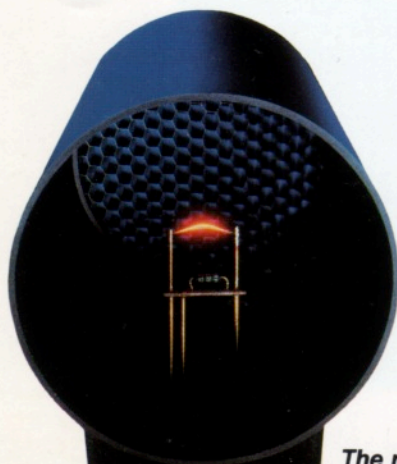
Supplied with ultra-precise airflow readings from our Air Mass Sensor, combined with additional "feedback" from other engine-mounted sensors, the system's computerized Electronic Control Unit (ECU) is able to determine *instantaneously* the optimum fuel/air mixture required for every firing of every cylinder at every revolution.

We're not just splitting hairs with microsecond overkill, either. An engine fitted with AirSensors' Throttle-Body system adapts automatically and immediately to changing conditions of engine load, external temperature, humidity and altitude to deliver as much as 35 percent more torque and 20 percent more horsepower than its carbureted counterpart.

Furthermore, driveability is enhanced thanks to crisp throttle response and smoother idling; gas

mileage is improved through more efficient combustion; and exhaust emissions are lowered. In fact, the Throttle-Body Single-Point Injection system from AirSensors is the only aftermarket fuel injection system available that is exempted by the nation's toughest emissions enforcement organization — the California Air Resources Board — for use in GM 454 applications for vehicles exceeding 8500 lbs. gross vehicle weight.

Just as important as the direct performance gains from AirSensors' EFI system, however, is its unique adaptability to additional performance-enhancing modifications. Because our ECU actually replaces the engine management computer or "black box" that comes from the factory, you can install any combination of intake pressurizer (either turbocharger or supercharger), modified camshaft and free-flowing exhaust system with no emissions price to pay and no engine-compatibility problems — despite some very remarkable power increases.



The revolutionary Air Mass Sensor

THROTTLE-BODY SINGLE-POINT INJECTION

Last but not least, because AirSensors' EFI set-up incorporates a high-pressure fuel delivery system, the hair-pulling aggravation of vapor lock is a thing of the past.

By every stretch of the imagination, AirSensors' Throttle-Body EFI system, whether you install it by itself or in combination with some other engine modification, is a quantum leap over stock performance. And we're not just talking about power here, because the engine that

AirSensors' Throttle-Body Single-Point Injection is intended as a direct, "bolt-on" replacement for a factory-equipped carburetor. The system incorporates four elements:

1. **Information-collecting sensors** (for monitoring engine operating conditions)
2. **Information-processor or ECU** (that determines the optimum fuel/air ratio based on data from the sensors)
3. **Injector-equipped Throttle-Body** (where the ECU-

"platinum hot wire" technology to measure the actual *mass* of air entering the engine at every instant

- Engine Speed Sensor, which continuously monitors engine RPMs
- Engine Temperature Sensor, to monitor the changes in engine performance ranging from "cold start" to maximum operating temperature
- Spark Plug Firing Sensor, for synchronizing fuel injection with each and every engine revolution

Electronic Control Unit

- A sophisticated analog computer that actually reads data provided by the sensors and continuously adjusts the fuel/air mixture delivered to the engine
- Provides optimum performance up to 400 horsepower
- Allows five different function adjustments for precise matching to all engines under all operating conditions:
 1. Overall or "master" fuel/air mixture
 2. Cold start mixture
 3. Idle mixture
 4. Mixture under load
 5. Mixture under acceleration
- Recalibrates for optimum performance from any additional engine modifications, such as turbo- or supercharging, modified camshaft, improved exhaust system, etc.



AirSensors' programmable, analog Electronic Control Unit

runs more efficiently also runs longer and requires fewer repairs.

If you're fed up with zero-to-sixty times that look more like golf scores and fuel bills that resemble mortgage payments, do yourself a favor. Let us "inject" a little excitement — and economy — into your life on the road with our state-of-the-art EFI system. Available only from AirSensors.

controlled fuel/air mixture is actually delivered to the engine)

4. **Pressurized fuel system** (to ensure a consistent fuel supply to the injectors)

The Components of the System

Sensors

- Air Mass Sensor, which incorporates cutting edge

- Features fuel pump shut-off switch to prevent fuel leakage and flooding in the event vehicle doesn't start
- Incorporates fail-safe "drive home" mode to allow vehicle operation even if system completely malfunctions

Injector-Equipped Throttle-Body

- Actually bolts in place of stock carburetor
- Incorporates four precision injectors targeted to areas of high air velocity for even fuel supply and thorough atomization
- Includes aerodynamically-tested plenum for unrestricted airflow of up to 1000 cubic feet per minute
- Low profile ensures stock underhood clearances
- Polished and ported throttles, with precisely machined linkage

Fuel Delivery System

- Maintains constant 39 PSI for consistent fuel delivery to injectors
- Pressurized system eliminates vapor lock
- Fuel pressure regulator returns up to 90 percent of fuel to the tank for constant recirculation
- Features highest quality electric pump and fuel tank sending unit
- 2 in-line filters on either side of pump ensure maximum fuel purity for long injector life

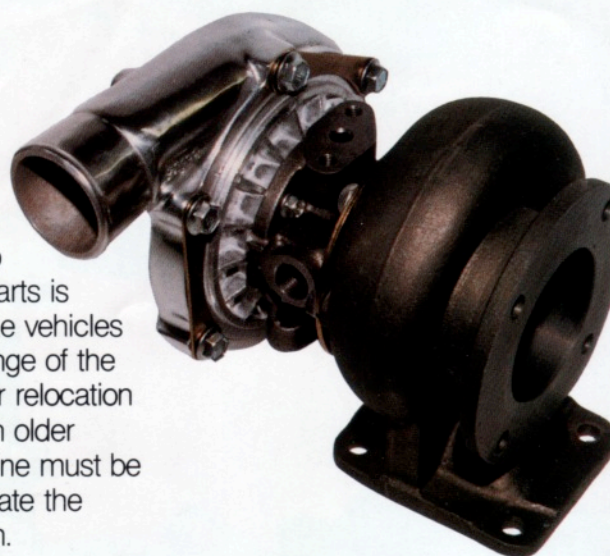
AirSensors' EFI system comes complete with each of the components detailed above, plus wiring harness, connectors and

step-by-step installation instructions. Little or no modification of stock parts is required, although some vehicles may require slight change of the throttle linkage or minor relocation of plumbing. On certain older vehicles, a fuel return line must be installed to accommodate the pressurized fuel system.

Three Steps to Even More Power, by AirSensors

Although you can gain up to 35 percent more torque and 20 percent more horsepower by installing AirSensors' EFI system just by itself, perhaps the greatest advantage of our system is its adaptability to other performance modifications. Without AirSensors' EFI in place, these other changes — such as pressurizing the intake or installing a modified camshaft or header — usually cause poorer emissions and interfere with factory-equipped engine management computers. AirSensors' system, because its ECU can be almost infinitely recalibrated for varying performance conditions, clears the way for modifications that put the *real* power under the hood of your towing rig or RV.

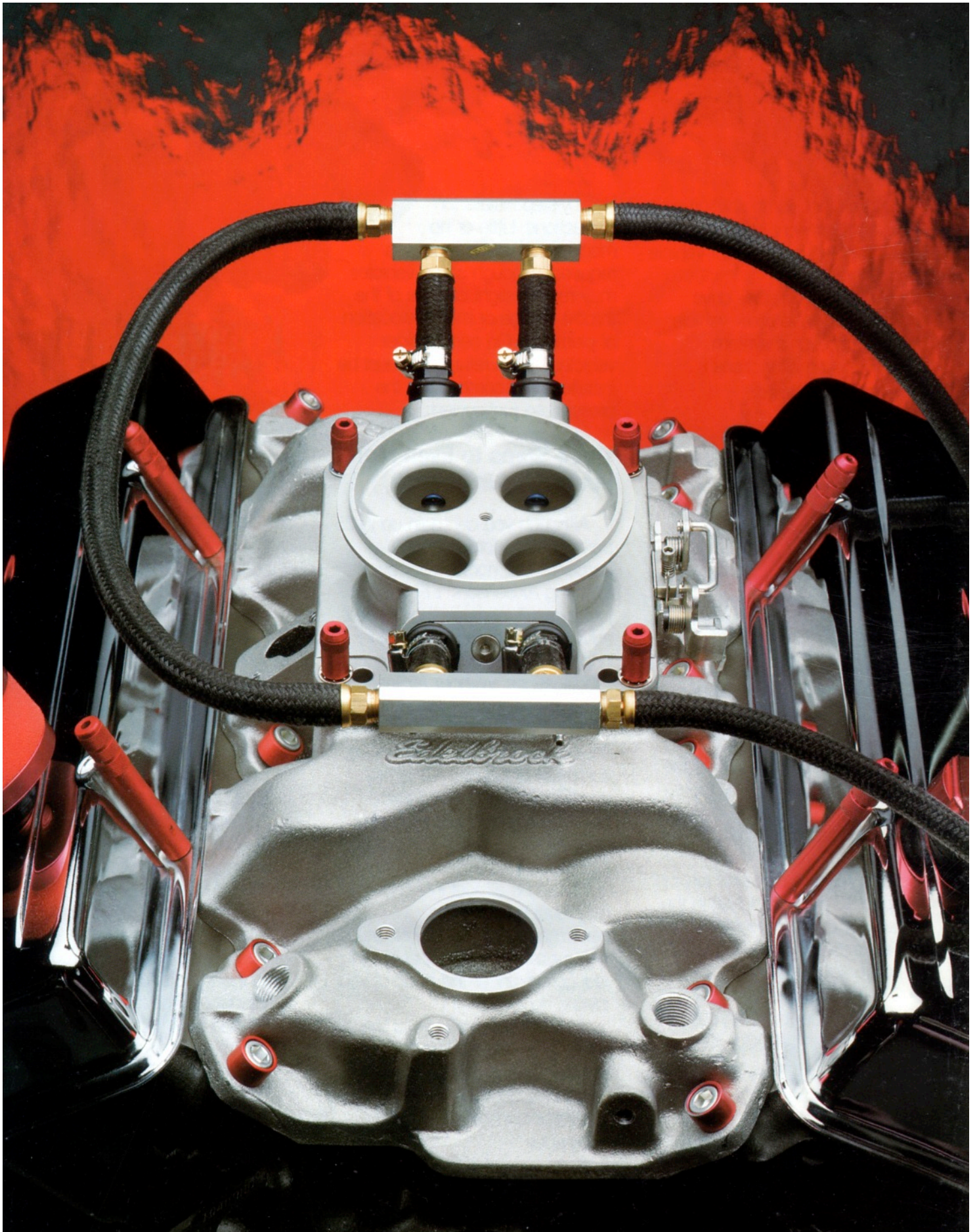
To take full advantage of the potential offered by our fuel injection system, AirSensors is pleased to offer the following additional performance "upgrades":



State-of-the-art turbocharger for clean, efficient power

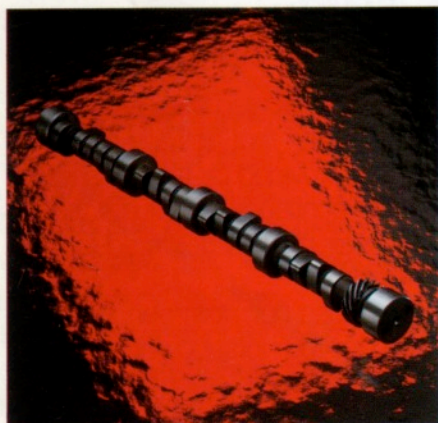
1. EFI Turbocharger, by AirSensors

- Provides 5 PSI of constant boost for up to 80 percent more horsepower (including gains from EFI installation)
- Cuts 0-60 time almost in half
- Twin delta wastegates keep backpressure to 8-9 PSI for reduced detonation and lowered combustion temperatures
- Extra-responsive system, with boost available almost immediately on acceleration
- Special mounting arrangement positions turbo away from engine and directly into path of cooling air from the grille
- Features 2 1/2" exhaust routes to the turbo and a 3" interface with stock system for free-flowing backpressure control
- Approved by C.A.R.B. for GM 454 applications in vehicles exceeding 8500 lbs. gross vehicle weight



2. EFI Camshaft and Lifter Kit

- Improved low- and mid-range torque and mid- to upper-range horsepower
- Computer-matched hydraulic lifters guarantee perfect compatibility and optimum performance
- No emissions penalty when used with AirSensors' EFI system
- Includes Assembly Lube and complete instructions for easy installation



EFI Exhaust System comes complete with all hardware and parts needed for assembly

3. EFI Free-Flowing Performance Exhaust System

- Reduces backpressure for improved engine breathing
- Tuned headers for maximum charging and "scavaging" of combustion chamber
- Special, no-restriction mufflers for quiet performance without power loss
- Quality tubing and heavy-duty welds resist corrosion
- Aluminized coating to minimize rust and corrosion

AirSensors
708 Industry Drive
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Fuel Injector Maintenance Injector Cleaner, from AirSensors

- Prolongs injector life when added to a tank of gas every 5,000 miles
- Scours injector nozzles to prevent build-up of debilitating obstructions
- Specially formulated by AirSensors for use with our EFI system — will not inhibit performance or combustion
- Crankcase Additive; the only product on the market that eliminates moisture and lubricates while it penetrates



AirSensors™

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