

PRODUCT ✘ Dedicated Natural Gas Ford E-350



The Ford 5.4L E-350 achieved CARB & EPA approvals with support & funding from South Coast AQMD.

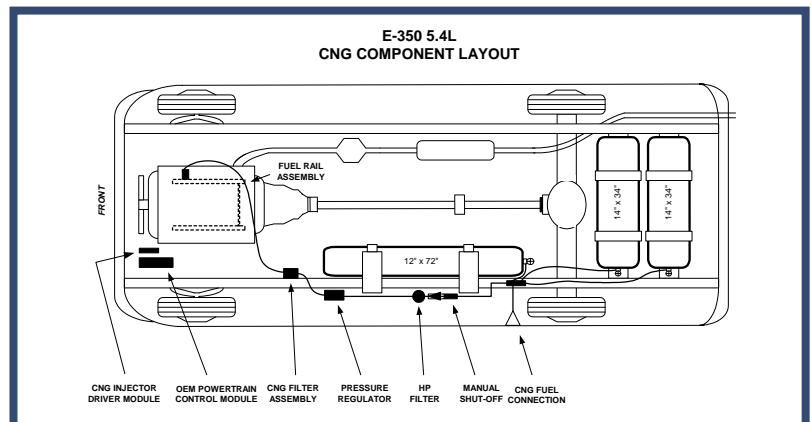
Dedicated CNG E-350

BAF Technologies introduces our first medium-duty Ford product equipped with the BAF proprietary CalComp sequential fuel injection (SFI) system, the CNG E-350 5.4L; certified both CARB and EPA; fully OBD-II compliant. **NEED CORRECT PICTURE**



System Overview

- ✘ Operates on dedicated Compressed Natural Gas.
- ✘ Controls the CNG system using the original PCM.
- ✘ System faults illuminate the "Check Engine" light.
- ✘ Diagnose using OEM scanner or generic scan tool.
- ✘ Order from your dealer with a CNG system option.
- ✘ OBD-II certified.



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Specifications

General:

- ✘ E-350, 5.4L V-8 Engine
- ✘ Limited Warranty: 3-year or 36,000 miles
- ✘ CARB & EPA certified
- ✘ Sequential Fuel Injection (SFI)
- ✘ Standard fuel capacity = 30 GGE
- ✘ 3600-psi NGV II & FMVSS 304 certified tank package
- ✘ Meets all Federal and State Laws and Safety Requirements

ECU Inputs:

- ✘ RPM
- ✘ Camshaft
- ✘ Manifold Absolute Pressure (MAP)
- ✘ Fuel Rail Pressure (FRP)
- ✘ Fuel Rail Temperature (FRT)
- ✘ Intake Air Temperature (IAT)
- ✘ Oxygen Sensor – Bank 1 & Bank 2
- ✘ Throttle Position Sensor (TPS)

ECU Outputs:

- ✘ 8 Injector Drivers with Sequential Control
- ✘ OEM Fuel Gauge
- ✘ Malfunction Indicator Light (MIL)
- ✘ Fuel Rail Lock-off

System Pressure & CNG Injectors:

- ✘ 3600 psi Storage Pressure
- ✘ Regulator Pressure = 130 psi
- ✘ Bosch CNG Injectors
- ✘ Flow Rate = 2.3 g/sec @ 130 psi

Control Strategies:

- ✘ Closed-Loop Fuel Control
- ✘ Catalyst Protection Strategy
- ✘ Ignition Timing Optimized for Natural Gas
- ✘ Sequential Injection Timing Control
- ✘ Transient Fueling Control
- ✘ Deceleration Fuel Cutoff
- ✘ OBD-II Diagnostics

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