

# PRODUCT ✕ Dedicated Natural Gas Crown Victoria



*The Crown Victoria  
gained CARB & EPA  
approvals with support &  
funding from South Coast  
AQMD & NYSERDA.*

## Dedicated Crown Victoria

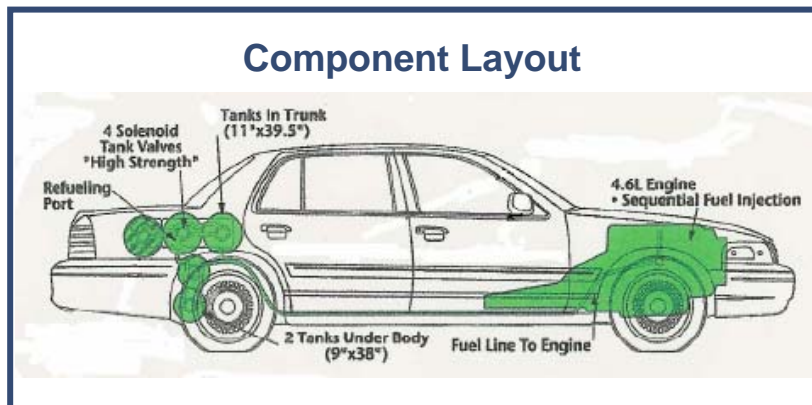
BAF Technologies, employing our proprietary CalComp system, has introduced the first and only 4.6L Crown Victoria that meets CARB's stringent SULEV emission standard.



## System Overview

- ✕ Operates on dedicated Compressed Natural Gas.
- ✕ Controls the CNG system using the original PCM.
- ✕ Fully OBD II compliant.
- ✕ Diagnose using OEM scanner or generic scan tool.
- ✕ Exceeds OEM power and performance.
- ✕ Order from your dealer with a CNG system option.
- ✕ Also available on Grand Marquis and Lincoln Town Car with engine family code: 7FMXV04.6VE8

## Component Layout



### Contact:

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# PRODUCT ✕ Dedicated Natural Gas Crown Victoria

✕ **BAF** TECHNOLOGIES



## Specifications

### General:

- ✕ Ford Crown Victoria; 4.6, V-8 Engine; Grand Marquis & Lincoln Town Car
- ✕ Limited Warranty: 3-year or 36,000 miles
- ✕ CARB & EPA certified SULEV
- ✕ Sequential Fuel Injection (SFI)
- ✕ Standard fuel capacity = 13.7 GGE
- ✕ 3600 psi certified NGV II and FMVSS 304 certified tank package
- ✕ Upgraded Heavy-Duty Rear Springs
- ✕ Meets all Federal and State Laws and Safety Requirements

### ECU Inputs:

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

### ECU Outputs:

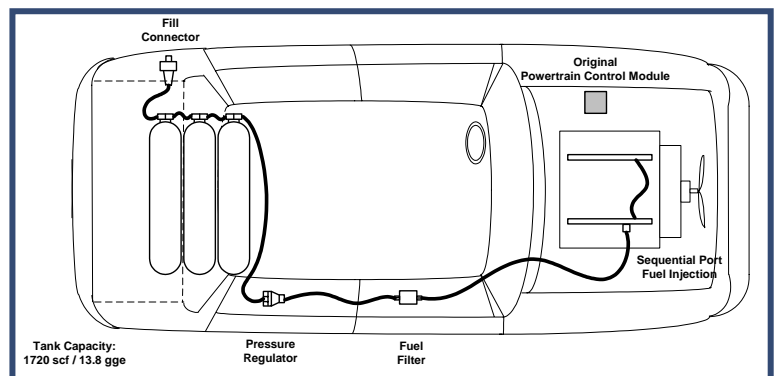
- ✕ 8 Injector Drivers with Sequential Control
- ✕ OEM Fuel Gauge
- ✕ Malfunction Indicator Light (MIL)
- ✕ Fuel Rail Lock-off
- ✕ CNG Fuel Tank Solenoid Valves

### 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 Diagnostics



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