

Next Generation Light Duty Alternative Fuel Vehicles

OEM-style retrofits for fleet
and consumer markets

Who we are

- Spin-off from AFVTech in Phoenix, AZ
- Operations since 2003
- Providing alternative fuel service & conversions to Arizona private and municipal fleets
- Over 1,200 conversions performed
- Expertise in CNG, LPG and Hydrogen retrofits
- Founded CNGChat.com – over 5,000 members

The Traditional Bi-Fuel Conversion Nightmare...



- Cannot start on natural gas
- Requires gasoline cold start and its enrichment (when a gasoline engine has the most excessive emissions)
- Secondary computer competes with OEM's
- OBD system may not function properly
- Yards of tubing bent & routed / inconsistent installs
- Extensive under hood wiring & soldering
- Intake manifold tapped (potential vacuum leaks)
- High pressure gas lines under hood
- Coolant must be run to regulator
- May force gasoline operation if a fault is detected



- Zero federal tax credits
- Shop install time > 25/40 hours per vehicle
- Extensive tampering to OEM design
- Drivers tend to never use CNG
- Lower reliability and increased maintenance costs



Our Dedicated CNG Impala

- OEM-style retrofit
 - No under hood wiring
 - Stock (E85) fuel lines
 - Recalibration of GM computer
 - Active fuel management
 - Plug-n-play one man day install
 - Lightweight carbon-fiber CNG cylinders (type III)
 - 375+ mile range
 - Highest-quality components
 - Quiet operation (doesn't sound like a diesel)



CNG

CNG Impala Specs

- 3.5 and 3.9 liter V-6
LS, LT, LTZ, police/taxi
- 212 hp, 190 foot-lb torque
- 10.4 ~ 13 gasoline gallon equivalent with a potential 14.9gge
- MPG 19/30, 375+ mi range
- Active fuel management (2LT and LTZ)
- Ample trunk space for one large suitcase + 3 roll-aboard bags
- Approx. \$11k ~ \$13k fully installed
- Qualifies for alt fuel vehicle incentives
- Dramatic emissions reduction compared to gasoline (NOx 74% less CO 54% less NMOG 52% less)

A blue diamond-shaped logo with the white text "CNG" inside.

Upcoming 5.3 Liter Platform

- Similar OEM-style plug-n-play design as Impala
- EPA certification will cover wide range of light duty vehicles
 - Suburban
 - Tahoe
 - Silverado
 - Avalanche
 - Yukon
 - Yukon XL
 - Sierra
 - Express van



Certification est. Jan 2009

CNG