



NATURAL GAS VEHICLE SAFETY AND MAINTENANCE TRAINING



September 18th and 19th, 2017 | 8:00 am - 5:00 pm

Who Should Attend: The class is designed to train automotive technicians and managers who have general mechanical knowledge, but need to learn natural gas systems and safety protocols to begin working on natural gas vehicles.

- Technicians responsible for maintaining NGVs
- Technicians preparing to take the ASE F1 exam
- Fleet managers and supervisors
- Safety and compliance managers
- All employees involved in NGV fleet operations



NGV SAFETY AND MAINTENANCE TRAINING

Date / Time

September 18 - 19, 2017
8:00 am - 5:00 pm

Cost per Attendee Registration

Early Bird Registration (by 9/12):	\$1,095
Registration (after 9/12):	\$1,395
Discount for Clean Cities Members:	(\$100)

Manuals included

NEW Location!

ALT FUEL INNOVATIONS, llc
7400 E. 35th Ter.
Kansas City, MO 64129

To Register and for Information

Send registration form to:
Lanny@altfuelinnovations.com
Lanny Wagoner – 913-638-6940

Course Objectives

- List personnel and shop safety procedures and describe the appropriate responses to common emergencies such as fire, gas leakage, and collision
- List the major policies and regulations pertaining to the installation, operation, and inspection of gaseous fuel vehicles
- Learn the concepts of pressure, density, and volume in describing, measuring, and handling natural gas
- State the chemical and physical properties of methane (natural gas)
- Describe Otto and Diesel cycle engines and explain how combustion is different with a gaseous fuel
- Explain lean-burn technology and calculate the correct air-fuel ratio to achieve best power, lowest emissions, and greatest fuel economy
- Describe the components of a natural gas fuel system and explain how each operates
- Explain the operation of the electronic control module (ECM) and the components that connect to it
- Describe basic diagnostic techniques, the use of the diagnostic scan tool (DST) and the meanings of diagnostic trouble codes (DTCs)



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Instructor:



Nick Wagoner owned a vehicle upfit company specializing in CNG and LPG vehicle conversions, training and inspections. Now retired, Wagoner travels nationally and internationally providing specialized training for equipment manufacturers and technology organizations. He was an alternative fuels consultant and Automotive Technology instructor at Central Community College in Columbus, Neb., for 25 years and is a nationally recognized alternative fuels trainer by the NAFTC and the Environmental Protection Agency.

Wagoner has served as President of the Board of Directors and Curriculum Chairman for the NAFTC and also helped write the ASE F-1 test for natural gas. Wagoner's credentials include certifications as an ASE Master Mechanic, ASE Alternative Fuels and CSA Certified Cylinder Inspector. He has been a natural gas trainer and consultant for 35 years. Wagoner has provided trainings extensively throughout the United States and India at the request of the U.S. Department of Energy and the NAFTC.

Course Certification Preparation:

This course along with study will provide technicians with the knowledge and much of the information specific to the **ASE F1-Compressed Natural Gas Vehicles exam**. The F1 exam is only given at certain testing sites. Please visit www.ase.com/Tests.aspx for more details and to schedule a time to take the exam.

Discount and Scholarship Information:

Discount - Current Kansas City and Central Kansas Clean Cities members in good standing will receive a \$100 discount on the cost of registration. Proof of current membership may be required.

Cancellation Policy: Cancellations must be confirmed by email prior to the training to receive a refund.

Refund if cancelled: 7 business days prior: **100% refund**
4 business days prior: **50% refund**
less than 4 business days prior: **no refund**

To Register:

Submit your completed registration form by emailing to Lanny Wagoner at Lanny@altfuelinnovations.com, or include it with check by mail.

Space is limited. There is a maximum capacity of 18 students. Based upon demand, additional classes will be scheduled in the coming months.

For questions, contact Lanny Wagoner: lanny@altfuelinnovations.com, 913-638-6940.



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Attendee Registration Form

Please fill in the following information			
Company Name:			
Street Address:			
City:	State:	Zip Code:	
Number of CNG/LNG vehicles in your fleet:			
Which fueling station do you use or intend to use?			
Name of Company Contact Person:			
Work Phone Number:	Cell Phone Number:		
Email Address:	Website Address:		
In the space below, please give us the names and job titles of people that will be attending the training program -			
Name of Participant:	Job Title:		
Email Address:	Phone #:		
Name of Participant:	Job Title:		
Email Address:	Phone #:		
Name of Participant:	Job Title:		
Email Address:	Phone #:		
Name of Participant:	Job Title:		
Email Address:	Phone #:		

Qty	Item	Amount
	Course Registration (if received by 9/12): \$1,095/person	
	Course Registration (after 9/12): \$1,395/person	
	<i>Student manuals included</i>	
	Subtotal - Course Registration and Manuals	
	Clean Cities Member Discount	
	Are you current Clean Cities Coalition member? If yes, subtract \$100 per student.	
	Y <input type="checkbox"/>	N <input type="checkbox"/>
		-
	Total	

Payment Options: Please include the Registration Form with payment information.

Please Invoice (will send invoice to company contact, email and billing address provided above)

Check by Mail: Payable to: ALT FUEL INNOVATIONS, llc

205 S. Fir Street
Olathe, KS 66061
Attn: Lanny Wagoner

-or- **By Credit Card:** Fill out Credit Card Authorization Form on next page.



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ALT FUEL INNOVATIONS, llc - Credit Card Authorization Form

I authorize ALT FUEL INNOVATIONS, llc to charge \$_____ to the credit card number provided for the following registrants:

Name		Name	
Name		Name	
Name		Name	
Name		Name	
Name		Name	

Credit Card Info:

		Today's Date	
Name as it appears on your Credit Card (Please Print)		Cardholder Signature	
Credit Card Number <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover		Expiration Date	CSC Number
Address		City / State / Zip Code	
Daytime Telephone Number		E-Mail Address	

Note: E-mail receipt sent upon successful authorization

Charges will be processed by AFI and an e-mail receipt will be sent to you.

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