



AFV Collision Repair Technician Training (classroom)

Gaseous Fuels | Electric Drive | Biofuels



Alternative fuel vehicles (AFVs) are becoming more common on our nation's roadways. With increased vehicle use, more and more of these vehicles will require collision repair services. While these vehicles may look like their traditional counterparts, there are key differences. As a collision repair specialist, you should be aware of the characteristics of alternative fuel vehicles, including electric drive vehicles (EVs) to ensure your safety and that of those working with you.

Automotive collision repair personnel require specialized training to educate them on the safe and effective procedures necessary to repair collision damage to AFVs and EVs.

Objectives of the AFV Collision Repair Technician Training include vehicle operation fundamentals, fuel properties, shop safety, personal protective equipment, vehicle disabling procedures, high pressure fuel tanks, high voltage batteries and related high voltage components, fuel cells, drivetrain configurations, tools, and basic vehicle fundamentals.



Are you seeing more alternative fuel and electric drive vehicles in your facility? Is your shop prepared to deal with these cars and trucks?



www.naftc.wvu.edu

www.naftc.wvu.edu



National Alternative Fuels Training Consortium

Ridgeview Business Park • 1100 Frederick Lane •
Morgantown, WV 26508
P: (304) 293-7882 • F: (304) 293-6944

A Program of



AFV Collision Repair Technician Training

Developed by the National Alternative Fuels Training Consortium in conjunction with the U.S. Department of Energy Clean Cities Program, this classroom training explores the various fuels, their properties and origins, how these vehicles differ from conventionally fueled vehicles, and the proper procedures to follow when repairing damage to alternative fuel and advanced technology vehicles.

After completing this course, you will be able to:

- Properly identify an electric drive vehicle (EV) or alternative fuel vehicle (AFV).
- Discuss the safety concerns in performing collision repair on AFVs and EVs.
- Describe the advanced procedures necessary to perform collision repair on AFVs and EVs.
- Understand the specialized tools and equipment required when working on AFVs and EVs.
- Properly deal with an alternative fuel spill, leak, or fire.
- Discuss personal protective equipment to be used in dealing with an EV or AFV.

Did you know...

As with conventional vehicles, a collision may compromise the fuel system of an alternative fuel vehicle.

Source: Source: Alternative Fuels Data Center

There were more than

22.8 million

alternative fuel passenger/light duty vehicles on U.S. roads in 2015.

Source: Energy Information Administration

AFV batteries and fueling components are often in different locations than in conventional vehicles.

Source: National Alternative Fuels Training Consortium

For more information contact:

Clean Cities Coalitions



Acknowledgment:
This material is based upon work supported by the U.S. Department of Energy Clean Cities Program under Award Number DE-EE0007015.

www.naftc.wvu.edu/toolbox