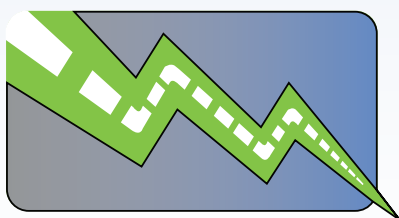
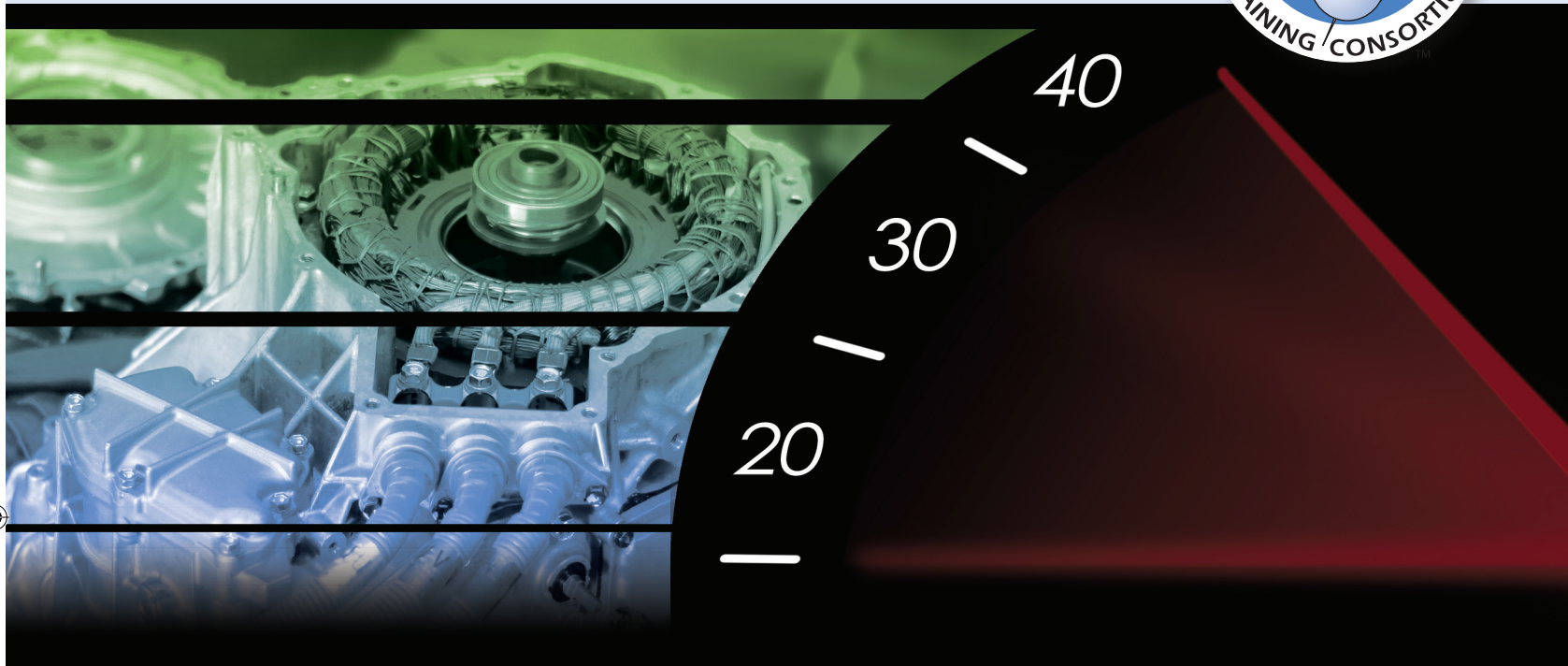


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Advanced Electric Drive
Vehicle Education Program
A Program of West Virginia University



Foreword

Energy consumption is increasing at a dramatic rate everywhere in the world. It is a well established fact that petroleum is one of the most widely used fuel resources in the world today.

As a result, energy independence is becoming a critical factor affecting homeland security in all developed countries, especially the United States. In every nation, the choice of fuel has prompted serious economic and environmental consequences in the forms of budget deficits caused by oil imports and ecological degradation caused by pollution.

At the National Alternative Fuels Training Consortium (NAFTC), a program of West Virginia University, we are dedicated to lessening our nation's dependence on petroleum, increasing our nation's energy security, and improving our environment by reducing greenhouse gas emissions. As the only nationwide training organization of its kind, the NAFTC is proud to offer curricula and training that provide participants with the most up-to-date information on alternative fuels, alternative fuel vehicles, and advanced technology vehicles. Our curricula cover everything from general audience awareness, to first responder safety training, advanced technician training, and much more.

Alternative fuel and advanced technology vehicles are becoming more readily available to consumers and fleets. They can run on biodiesel, ethanol, natural gas, propane, and hydrogen. In addition, hybrid, plug-in hybrid, battery, and fuel cell electric vehicles are becoming more widely used. To enable the transition to alternative fuels, technologies must be refined so that vehicles can achieve optimum performance and emissions characteristics. Automotive technicians and those who teach automotive technology courses must know how to service and maintain these vehicles. New infrastructure must be developed and supported. First responders must become aware of the differences between these next generation vehicles and their conventional counterparts in order to keep themselves, drivers, and passengers safe on the scene of a vehicle accident.

Using less expensive alternative fuels and advanced technologies has the potential to significantly reduce this country's transportation costs. These are compelling reasons to educate the general public, government officials, first responders, and business executives and to create a pool of properly trained technicians to service these vehicles. The goal of this course is to meet these needs.

The National Alternative Fuels Training Consortium is pleased to provide this course, Electric Drive Automotive Technician Training, as part of the Advanced Electric Drive Vehicle Education Program, a U.S. Department of Energy-funded program.





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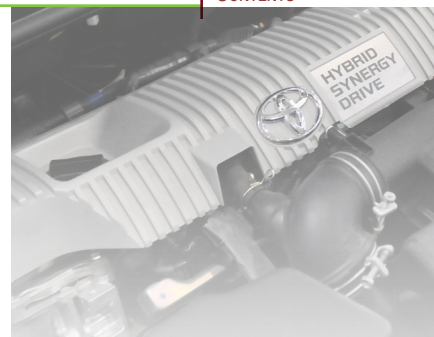
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**ADVANCED ELECTRIC DRIVE
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