

The logo for The Group Training Academy. It features a stylized 'G' composed of two slanted bars, one orange and one blue. To the right of the 'G', the word 'The' is written in a smaller blue font above the word 'GROUP' in a large, bold, blue serif font. A thin orange horizontal line is positioned below 'GROUP'. Below this line, the words 'TRAINING ACADEMY' are written in a bold, blue, sans-serif font.

**The**  
**GROUP**  
**TRAINING ACADEMY**

Powered By AVI

# 2025 CATALOG



Accredited Training Provider

# TECH TALK

## ASE 101 Test Tips

with John Gardner



### ASE 101 Test Prep Videos and Questions Hosted by John Gardner

The ASE 101 tech tips for the automotive professionals gives you 101 samples of ASE questions covering A1 through A8. Hosted by John Gardner, these videos and questions cover automotive systems and each features a step by step approach to answering the ASE style questions. ASE 101 for the Automotive Professional is brought to you by the Group Training Academy along with our sponsor Bosch.

**NEW!** NOW INCLUDED IN THE ALL ACCESS PASS!



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# PLATINUM ALL ACCESS PASS

## ONLINE TRAINING

**OVER 1,100 HOURS OF CONTENT!**

New Content Added Monthly.



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ASE Test Prep Series

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# GOLD PROGRAM MEMBERS

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- Business Management - Hiring Practices
- Tesla - Diagnostics Fundamentals
- Electrical fundamentals
- Ford Hybrid Rear Wheel Drive Platform interaction with 10-speed Transmission
- Misfire Diagnostics
- GDS 2 Functions and Diagnostics on GM Vehicles
- Intro to Lab Scope
- Toyota Gasoline Diagnostics
- ADAS Intro
- Diagnosing With Pressure Transducers
- All Wheel Drive Systems
- Noise Vibration and Harshness



**One ASE Test Prep Training Course of your choice**

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- Brake Technology
- Evolving Fuel Systems Technology
- Advanced System Testing Strategies
- Alignment Angles

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## Test Preparation

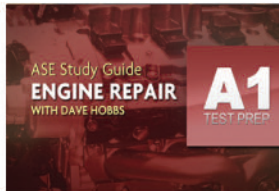
The Group Training Academy is committed to helping automotive professionals achieve their career goals through comprehensive ASE test preparation programs.

### A-Series

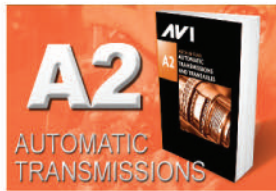
#### Automobile & Light Truck Certification Tests (A1 - A9)

##### Objective:

To identify and recognize those Automobile and Light Truck (up to Class 3) Technicians who can demonstrate knowledge of the skills necessary to diagnose, service, and repair cars, SUVs, and light duty trucks.



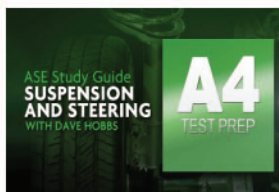
Engine Repair



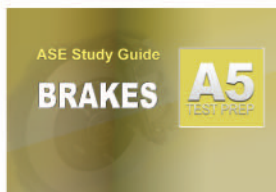
Automatic Transmissions



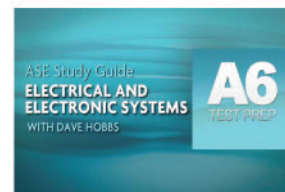
Manual Drivetrains and Axles



Suspension and Steering



Brakes



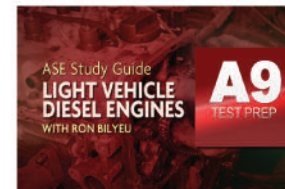
Electrical and Electronic Systems



Heating and Air Conditioning



Engine Performance



Light Vehicle Diesel Engines





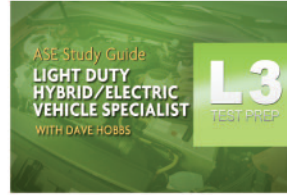
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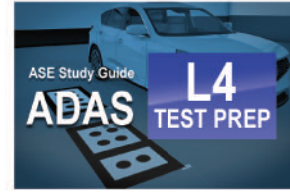
**Advanced Engine Performance Specialist Certification Test (L1)**



**Electronic Diesel Engine Diagnosis Specialist Certification Test (L2)**

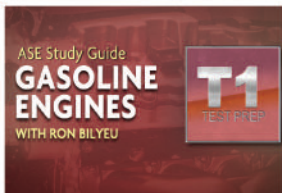


**Light Duty Hybrid/Electric Vehicle Specialist Certification Test (L3)**

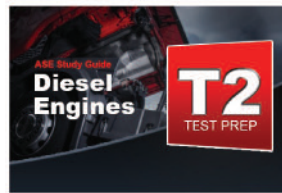


**Advanced Driver Assistance Systems (ADAS) Specialist Certification Test (L4)**

### Medium-Heavy Truck Certification Tests (T1 – T8)



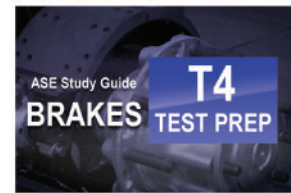
**Gasoline Engine**



**Diesel Engine**



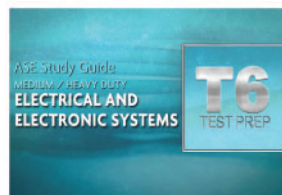
**Medium/Heavy Truck Drivetrain**



**Brakes**



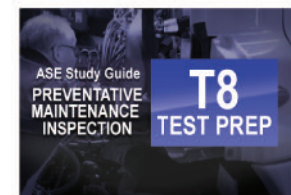
**Medium/Heavy Truck Suspension & Steering**



**Electrical and Electronic Systems**



**Heating and Air Conditioning**



**Preventative Maintenance Inspection**

### ASE-T Series Bundle

The bundle includes the following courses:  
ASE-L2 Medium/Heavy Vehicle Electronic Diesel Engine Specialist and ASE-T1 to T8





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**Automobile Service Consultant Certification Test (C1)**



**Parts Specialist Certification Test (P2)**



**Auto Maintenance and Light Repair Certification Test (G1)**



**Alternate Fuels Certification Test (F1)**



**ASE X1 Undercar Specialist Exhaust Systems Test Prep**

Catalog Sold Separately



**xEV Safety Certifications**

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**ASE Test Prep**  
**The Complete Series**  
*Taking the ASE Tests just got easier!*  
*Gain the knowledge you'll need to ACE the ASE.*

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AVI ON DEMAND | AVI ON-SITE





## Advanced Driver Assistance Systems (ADAS)

If you have struggled to understand ADAS you are not alone. We have partnered with the top ADAS equipment providers to assemble industry leading ADAS training to keep you in front of the curve.

### Popular Courses:

#### **Advanced Driver Assistance Systems: Repair Opportunities for the Service Provider**

In this course we will discuss the various components such as cameras, radars, blind spot detection modules, and park assist sensors and review service opportunities and procedures for the aftermarket. We will review several case studies where a technician successfully diagnosed and repaired ADAS systems, along with sharing several tips from technicians that work on these systems frequently.

#### **F.R.E.D. Takes the Wheel (ADAS) Wiring Schematics Interpretation**

This course covers the various levels of ADAS systems along with their associated components such as smart cameras, Radar and LiDAR sensors. We'll take you on a product familiarization road test, give you technical service tips and demonstrate some of the various methods required to calibrate ADAS sensors during service.

#### **Hitting the Target: ADAS**

In order to repair ADAS faults or calibrate ADAS systems, you must understand how cameras, sensors and others components communicate and operate. Hitting the Target presents the theory and application of ADAS using the BOSCH Calibration System to give you a better understanding of the components a vehicle uses to support ADAS.

#### **ASE Advanced Driver Assistance Systems (ADAS) Specialist Certification Test (L4)**

L4 is an advanced level certification from ASE. It is geared toward technicians who diagnose, repair and calibrate advanced driver assistance systems in modern automobiles and light trucks

**The Group Training Academy leads the industry in high level ADAS technical training!**



## Fundamental Electrical Training

Electrical Training – More than just testing for voltage, AVI provides the knowledge you need to be successful diagnosing electrical problems. Do electrical diagrams blur your vision? Need help understating voltage drop? Trouble deciphering electrical waveforms? Find the information you need to succeed in our Electrical Course offerings.

### Popular Courses:

#### **Meter Usage and Electrical Circuit Testing**

The electrical system is the perfect place to begin building a foundation for an automotive education. This program takes a complex system and gives you the fundamentals in terms easily understood by students and technicians of all levels. This class provides detailed explanations, applications and practical uses when utilizing your multimeter in everyday situations. Your instructor will presents an array of Fluke meters illustrating intermediate and advanced operations, buttonology, and functionality through hands on exercises. You will understand series and parallel circuits, electrical theory and the basics of Ohms law. This class provides you with the knowledge on how to properly and safely use your multimeter on Hybrid vehicles, conduct voltage drop tests and apply meter accessories.

#### **Wiring Schematics Interpretation**

The understanding of electrical theory, tracing wiring and understanding schematics is essential to be successful in today's automotive repair industry. In this course, we cover all the steps necessary to trouble shoot electrical issues quickly and confidently. Your instructor will run it down from the basics on reading common electrical symbols to understanding power flow and circuit design.

#### **Victory Over Voltage Drops**

Victory Over Voltage Drops is your training solution to diagnosing one of the most common intermittent electrical problems within any vehicle's electrical system. Whether it's Powertrain, Chassis or Body systems related – or whether the problem resides in a power, ground or signal circuit – excessive voltage drops can be frustrating to track down. Veteran This electrical troubleshooting experience that will help you have victory over those phantom electrical problems many times caused by voltage drops.

Did you know that a drop of .5 of volts on one type of circuit may mean nothing while on another type of circuit it means everything? To explain the secrets of good voltage drops vs. bad ones, your instructor takes the hands-on route with a multi meter on both simulators and vehicles in the service bay as he demonstrates how you can perform simple, easy-to-follow real world tests that drive you to the right diagnosis and that problem car right out the door!

#### **Parasitic Current Draw**

In this course we bring to you the most comprehensive class on parasitic battery drains on the market. Your instructor will guide you through the entire diagnosis process, step by step and in order to make sure you have confirmed the customer complaint all the way to verifying the repair.

Learn how to use various meters and switches, understand their application and function with clear and precise instructions. Make sense of amps, volts and ohms while learning to convert them into smaller values like milliamps and millivolts thereby making the diagnosis process more accurate and precise. Most importantly, you will learn how to diagnose a vehicle right the first time avoiding costly mistakes and time consuming road blocks.

#### **Labscope Testing of Automotive Sensor Signals**

Every technician, who uses or is looking to start using a labscope in their diagnostics, will gain valuable knowledge from this course. Your instructor covers all of the critical sensor signals you will encounter and what you should be looking for when interpreting their patterns and waveforms.



## Next Level Electrical Training

You've mastered the basics of electrical testing! Now you are ready to move to the next level and The Group Training Academy will get there.

Progressing to the next level will show you how to interpret test results both on your DVOM and lab scope. Learn what you need to know about how the variety of electrical test equipment you already own and let us you determine what tools you should purchase.

### Popular Courses

#### **Can FD (Flexible Data): What You Need to Know**

This course is a quick review of CAN data, and then relates it to the new standard, CAN FD (Flexible Data). Learn how CAN FD is superior when it comes to data communication. Hands-on demonstrations will show how to repair the twisted-pair CAN and CAN FD wiring and how to perform proper resistance testing.

#### **Advancing Your Networking Diagnostic Skills**

This course will bring you up-to-date networking information. Covering in detail the types of network configurations today's techs will encounter, along with helpful tips and tricks, real-world case studies along with hands-on testing using meters and labsopes.

#### **FRED Kicks the CAN**

Do you know what to do when your scan tool says "No Communications"? Can you quickly diagnose those dreaded "U-Codes" that report serial bus problems? The average vehicle today has more than \$8,000 in electronic content with more modules (a.k.a. F.R.E.Ds. – Frustrating Ridiculous Electronic Devices) as well as smart sensors connected to communications networks. In order to accurately diagnose, you must understand how these systems work.

#### **Future Power: Advanced Technologies in Batteries, Starting & Charging Systems**

Charging and starting systems are changing as fast as current model years roll out. What we used to do to test them doesn't always apply to today's technology. Instructor Dave Hobbs covers all the latest information and technology including anti-theft systems.

Modern vehicles rely on communication between computers and modules that operate everything. A properly maintained battery is essential to power these systems. In fact, some batteries are so sensitive to being over-charged one can do damage with their shop's battery charger. This program will show you how to diagnose these issues and keep your skills up to date.

#### **Modern Lighting**

Headlights have been a part of automobiles back to the beginning when lanterns were used as headlights. Headlights serve one main purpose which is to illuminate the road. Headlight bulbs have evolved from simple filaments to complex HID, LED, and laser designs. Headlights must provide enough light at highway speeds to ensure the safety of the driver but at the same time cannot blind oncoming traffic. Nanotechnology has led to LED micromirror designs that were not possible in the earlier years of the automobile. This course will explore new headlight designs, and break down the differences between Candelas, lumens, watts, Kelvin, and pixels. This course covers generic headlight aiming procedures and DOT regulations. We have also included a section on headlight control systems which illustrates the complex design used in late model vehicles.

## Scope and Scanners

Our award winning training offerings cover everything you need to know about unleashing the power of your lab scope and scan tool so you can use them to diagnose CAN networks, drivability issues and so much more.

### Popular Classes

#### **Anatomy of a Waveform**

This course covers the diagnostic value of a secondary ignition waveform on DI, DIS, COP systems and a compression waveform viewed dynamically with the engine running using a DSO and pressure transducer. The class explains rich cylinder conditions, mechanical integrity issues, retarded valve timing problems, misfire detection strategies, the 4 types of compression tests and cylinder leak down tests. Dynamically viewing spark timing and fixed high secondary resistance problems is also included. Most importantly you will learn how to diagnose CAM phase problems on variable CAM timing engines!

#### **Speed Scope: Going Beyond the Code**

This course will guide you through essential topics, with hands-on demonstration and expert insights to help you become a more proficient automotive diagnostic oscilloscope technician. Discover attributes and features to look for in a lab scope along with information probes, attenuators and other accessories along with important skills including finding a target pattern and showing how to identify and capture key waveform patterns for various vehicle components. Demonstrations include amperage ramp analysis and current probes to analyze the performance of electrical components like fuel injectors, ignition coils, and pumps by examining their current draw over time.

#### **Misfire Diagnostic Strategies**

Our instructors take you through a hands-on vehicle based case study on how to diagnose a misfire. Using various tools and technology including scopes, scan tools and mode 6, he will give you the roadmap of the techniques to quickly isolate a misfire. This course teaches a fast, efficient way to identify the type of misfire and the best way to fix it right the first time. You'll learn the tools and techniques used throughout the industry to effectively repair fuel, ignition or mechanical misfires on modern vehicles including ones using "smart" ignition systems.

#### **In-Cylinder Pressure Diagnostics**

This course demonstrates amplified and non-amplified pressure transducers to determine specific cylinder misfires, engine blow-by percentage, restrictions in fuel injectors, valve timing, concerns, and other volumetric efficiency issues. Valve train, including intake and exhaust issues can all be diagnosed using a pressure transducer and a lab scope.

#### **Computer Engine Data**

This course presents an overview of the latest scan tool PIDs available to today's automotive technicians. Focusing on Toyota and Ford scan data, the presentation drills down deep into both prominent and obscure PIDs, explaining the valuable content they show. Information on air/fuel ratios, knock sensors, idle evaluation, misfires, VVT, and crankcase pressure measuring is only a small part of the information presented.



# Shop Management

## **Service Advisor training**

Gain the essential skills to excel as a service advisor. This course covers the key elements of successful communication, enabling you to establish strong connections with both customers and technicians. As a service advisor, effective communication is paramount to building trust, providing exceptional customer experiences, and ensuring smooth interactions with technicians. Learn practical strategies for engaging with customers in a customer-centric manner, understanding their needs, and delivering solutions that exceed their expectations.

## **Hire the Best Forget the Rest**

Ever feel like you have a revolving door for employees? Do you fear hiring new employees because at least with your current staff, you know what you have? Not sure how to attract the right applicants or wonder why the quality people did not stay?

Probably one of the most important and least understood aspects of business is talent acquisition. Learn to be more successful in attracting qualified applicants when you improve your employment ads, job applications, candidate assessments, and interviews.

Good talented management extends the life cycle of an employee by creating an environment and culture that breeds success. Create expectations with job descriptions based on job activities and implement a two-way review process for employee and employer.

## **Preparing Your Shop for EVs**

Previous advancements in vehicle technology have NOT impacted your store operations or your ability to be profitable. The electric vehicle changes that.

This business class is designed to look at everything differently. We will cover what the differences will be in marketing, talent, technical training, facility and equipment, client communication, and key performance indicators to be profitable in this new era.

## **Other Popular Classes**

- Business Service Model for EV
- Hire Like a Boss
- Millennial Perspective: What I Want From an Auto Repair Shop
- Service Advisor: What Customers Care About Most
- 7 Habits of Highly Successful Service Advisors
- Developing Leadership Traits for Success
- Building a Business Culture that Employees Embrace
- Dealing With Difficult Customers
- Service Writing For Diesel Shops
- Working with Gen X and Y
- Hybrid EV Maintenance Opportunities-HVAC
- Hybrid EV Maintenance Opportunities-Cooling Systems
- Making Money Servicing Hybrid Vehicles



## Hybrid & Electric Vehicles

Electrified vehicles are here – are you ready? Now is the best time to learn about the future of the automotive industry and the Group Training Academy is here to provide you with the best EV training in the business. Our award winning programs and training equipment will help you uncover the opportunities for maintenance and repair of these highly technical vehicles. Whether you need to brush up or start fresh on your hybrid or electric vehicle knowledge, we have what you need.

### **EV Theory and Operation**

As electric vehicles are becoming more and more common, fundamental operational and service procedures are needed by the automotive industry. This course with instructor Tom Rayk covers theory, operation, and essential diagnostic concepts anyone working on hybrid or full electric vehicles must know.

### **Hybrid and EV Essentials**

This EV/Hybrid training bundle covers over 12 hours of essential information and repair techniques for technicians working with high voltage vehicles. Topics include safety, electrical fundamentals, wiring schematics, testing circuits, EV and Hybrid principles, necessary tooling, safety procedures, maintenance procedures and real-world service and testing procedures for working with EV and hybrid vehicles.

### **Hybrid/EV Scan Tool Diagnostics**

Join instructor Andy Tirado while he takes you through HEV/EV systems and their configurations. What are known areas to monitor in order to improve your diagnostic approach using a scan tool? Descriptions of known desired values, PID analysis, bi-directional commands, the importance of thermal management, and service mode to lead you down the proper path towards repair.

### **48 Volts and Beyond: HEV Advanced Diagnostic Tips**

This course, part of the Delphi Technologies Training Series is more than just a hybrid electrical safety course. The P0A0D Prius trouble code is discussed along with High Voltage Interlocks that can cause those codes. This course also features hands-on diagnostics using the proper meters and scopes that can handle high voltage.

### **Mastering Hybrid HVAC Systems**

The service opportunities for hybrid and electric vehicles are increasing for all shops. HVAC periodic maintenance and troubleshooting are areas that all shops should be paying attention to. This course covers Hybrid/EV HVAC system components, inspection, diagnostics and maintenance procedures required to identify problems as well as keep them in optimal operating condition.

### **Mastering Hybrid HVAC Systems**

In this program, instructor Dave Hobbs teaches you hands-on fundamentals to servicing Hybrid A/C systems. Advance your diagnostic strategies by understanding these complex systems through live on car demonstrations. Dave covers essential hybrid A/C technical tips and tricks on how to keep not only your customers cool but the hybrid battery from overheating as well.

## **Making Money Servicing Hybrid Vehicles**

In this course, presented by auto-electric guru Dave Hobbs, basic hybrid knowledge and service are addressed to give you the basic knowledge to start performing maintenance. We cover the different hybrid vehicle types, how to quickly identify a hybrid and safety measures to make sure you don't get harmed when fiddling around high voltage cables and battery packs. Dave also gets into detail about the unique components found in hybrid applications as well as service opportunities surrounding all components presented.

## **ASE-L3 Hybrid/Electric Vehicle Specialist**

The ASE L3 Test preparation certification program is designed to help you pass the advanced certification test to become a hybrid specialist. Being an advanced course subjected to the "L" series label, the L3 is not an easy exam. In this course, veteran auto-electric instructor Dave Hobbs presents, in detail, how hybrid systems function, safety issues and common trouble shooting issues. This course addresses all 5 sections of the ASE exam with an emphasis on safety, maintenance and repair.

## **ASE xEV Safety Level 1 and Level 2**

The overall objective of this ASE test prep course is to assist technicians intending to take the Level 1 and/or Level 2 xEV safety certification test(s) with practical information that will aid them in having a successful test experience.

## **Electrical Anomalies**

This course, "Electrical Anomalies," is a look at EV/HEV/PHEV electrical issues that deviate from what is normal and expected. The purpose of this program is to give professional technicians technical explanations on various electrical anomalies they may encounter on HEV, PHEV, and BEV vehicles.

You will see some of the unique challenges related to troubleshooting modern electric and hybrid vehicle voltage systems. This course examines electrical systems and some of the mysteries behind HV connections, leakage, and the HV system main contactor relays. This course also covers overlooked essential subjects such as motor current draw, AC circuits, ohmmeter false positives in parasitic drains, measuring interlock relay outputs, and trouble codes associated with common problems.

## **Bad Connections PHEV and BEV J1772 EVSE Diagnostics**

Your customer says their plug-in hybrid (PHEV) or electric vehicle (EV) "doesn't always take a charge. Do I need a new cable?" You might ask yourself "Is it their charge cable, the vehicle charge (J1772) plug or something else?" In addition to performing diagnostics on the vehicle, today's skilled technician must be prepared for the new world of EVSE (Electric Vehicle Supply Equipment). Power supply and connection problems that may be on or off the vehicle are presented in this course brought to you by instructor Dave Hobbs. There's a lot more to plug in and electric vehicles than what's on the car.

## **Charging Stations**

In this course technicians will develop an understanding of the dynamic world of EV charging. This course equips technicians and shop owners with essential knowledge regarding EVSE (electric vehicle service equipment) and chargers.



## **Undercover Hybrid No-Starts**

Your customer says “my Jeep won’t start. Do you think it’s my hybrid battery?” You might ask yourself . . . “did they really say hybrid battery? Is their Jeep even a hybrid? Did they really mean their 12-volt battery?”

More vehicles are becoming electrified with technologies that are vastly different from the traditional Toyota Prius or Honda Insight that you may be familiar with. Get updated on the latest in hybrid and plug in hybrid vehicle technologies and no-start diagnostics by completing this program with instructor Dave Hobbs.

## **3 Phase Inverters**

In this course, instructor Dave Hobbs will discuss 3 Phase AC inverters, along with the role DC to DC converters play in the 3 Phase process. A hands-on demonstration of the important scan tool PIDs involved in 3 Phase diagnostics is included.

## **High Voltage Component Strategies**

The course covers the components that make these vehicles unique and delves deep into their operation, their specialized components and effective diagnostic procedures. It also extensively covers the most critical subject of the lessons: safety. This class explains the vehicle’s workings, preparing the vehicle for safe diagnostic interaction, proper personal protective equipment for the technician, and recommended tools.

## **Electric Vehicle Maintenance**

Is your shop ready for the variety of service opportunities available on hybrid and electric vehicles? As the number of these electrified vehicles grows there are more opportunities to provide desired services. In this course, we will discuss the importance of proper fluid service and fluid types and you will learn what can happen when fluids are neglected. We will also explain how to sell the services that will keep these vehicles on the road. Topics covered will include high and low-voltage battery maintenance, electric drive motor service, as well as an introduction to the new design changes to air-conditioning, liquid cooling, and heating systems.

## **Chevrolet Blazer EV Technology**

Learn specific EV Technology on the Chevrolet Blazer with in-depth discussion on computer strategies and scan data interpretation, including battery testing, charging and maintenance. Learn proper safety; and develop a diagnostic process specific to electric vehicles.

In this course, you will get to take a deep dive into the Chevrolet Blazer EV. Throughout this course we will cover topics ranging from EV safety, breaking down RPO codes, different battery technologies, platform configurations, and more! Gain the insight you will need to be ready to tackle this new platform once they start coming in for service.

## **Ford Lightning EV Technology**

Learn specific EV Technology on the Ford Lightning with in-depth discussion on computer strategies and scan data interpretation, including battery testing, charging and maintenance. Learn proper safety and develop a diagnostic process specific to electric vehicles.

Safety will be discussed along with proper usage of Personal Protective Equipment (PPE) and specialty tools required for EV service. This course will cover the types of EV drive systems in use as well as their operation and service needs. Description and operation sections will include E/V drivetrain components, inverter/converter systems, motor types and design differences, air conditioning system designs, cooling systems for the components. Diagnostic procedures and proper tool usage will be covered in depth as the electronic testing tools required for these vehicles





## Light / Medium / Heavy Duty Diesel Technology

### What you need to know about Diesel Fuels

What You Need to Know About Diesel Fuels,” is a must-attend for anyone servicing diesel fuel systems. Is a diesel fuel concern causing repeat comebacks to your shop? How many pumps and injectors does it take to repair a problem caused by the fuel? Is the diesel in the fuel tank contaminated? This course will cover proper diesel fuel testing and diagnostics your shop can perform at a very reasonable cost. Presented by ASE Master Technician Tom Rayk, the class will educate on validating fuel conditions before checking all aspects of the fuel delivery system, reviewing concerns on lift pumps, gear pumps, and high-pressure pumps. Step by step diesel system testing, diagnostics, and repairs will be demonstrated and discussed, teaching the technician methods to test all diesel fuel systems.

### Ford Power Stroke 6.7 Fuel Testing

This course covers fuel system testing on the 6.7 Powerstroke. Is a diesel fuel concern causing repeat comebacks? How many pumps and injectors does it take to repair a problem caused by the fuel system? Is that fuel in the tank contaminated? This course will cover correct diesel fuel testing specific to the 6.7 Powerstroke. Check out some tools that make the testing safe, accurate, and easy. We will cover fuel supply testing to lift pumps and high-pressure pumps. Step by step testing, diagnostics, and repairs will be discussed. You will learn methods you can use to test the 6.7 Powerstroke fuel system. Make sure you join us for the whole 6.7 Powerstroke series.

### 6.7L Power Stroke No-Start

Learn about some procedures you can use when you encounter a no start on the 6.7 Power Stroke. This course highlights concerns on the fuel system and injector return flow. Fuel system concerns could lead to a possible parts replacement that does not solve the problem. Regular no start procedures should be used along with a critical check of the low and high pressure fuel systems. Make sure you review this course for some 6.7 no start ideas and checks.



**AS FAST AS LIGHTNING STRIKES,  
AUTOMOTIVE TECHNOLOGY CHANGES**







**The**  
**GROUP**  
TRAINING ACADEMY

Powered By **AVI**



Accredited  
Training  
Provider



## **6.7L Power Stroke Emission Systems – SCR/DPF**

DPF and SCR issues can be hard to diagnose and repair. The DPF and SCR systems are two separate systems, but can affect each other, and this session will take you through information and procedures to solve complaints involving SCR/DPF related issues. The 6.7 Powerstroke systems will be used to demonstrate these diagnosis and repair procedures.

## **6.7L Power Stroke Engine Disassembly**

The Ford 6.7 Power Stroke diesel engine is one of the most popular diesel engines in the world. This hands-on course with instructor Tom Rayk covers the disassembly of the 6.7, along with some of the wear and tear issues to look for. In-depth discussions of different diagnostics procedures and scan tool tips are also presented.

## **Duramax 3.0**

The Duramax 3.0, sometimes referred to as “the baby Duramax”, was introduced in 2020 as an I6 engine package with some interesting innovations. This program will take you through the diagnostic procedures and component testing technique and more to keep you up to date this modern diesel engine.

## **Duramax Fuel Testing**

This course covers fuel system testing on the 6.6 Duramax. Is a diesel fuel system concern causing repeat comebacks? How many pumps and injectors does it take to repair a problem caused by the fuel system? This course will cover correct diesel fuel testing specific to the 6.6 Duramax. Check out some tools that make the testing safe, accurate, and easy. We will cover fuel supply testing including suction side testing. Step by step testing, diagnostics, and repairs will be discussed. You will learn methods you can use to test the 6.6 Duramax fuel system. Make sure you join us for the whole 6.6 Duramax series.

## **Duramax LB7 Fuel Systems & Components: Major Changes Through the Years**

Instructor Tom Rayk goes through servicing the low and high pressure fuel system, air induction system along with revised emission components plus much more. This program will take you through the diagnostic procedures and component testing techniques to keep these engines running for years to come.

## **Duramax L5P**

The Duramax L5P engine includes mechanical upgrades, updated fuel delivery system, solenoid style fuel injectors, modernized high pressure pumps and air induction system with a high tech mass air flow sensor. These components contribute to the L5P delivering an incredible 925 ft. lbs. of torque. This program will take you through the diagnostic procedures and component testing techniques of the low and high pressure fuel system and air induction system along with revised emission components to keep you up to date with this powerful GM diesel engine.

## **Cummins Gen 5**

Are you ready to become a Cummins expert? This program covers all five generations of Cummins light duty truck engines including the new Gen 5 – Titan 5.0. Sharpen your skills and be more profitable when servicing the Cummins engine family. Learn proven techniques experiences developing this insightful 3 hour training program. Gain knowledge of the fuel delivery system and emission control system that have been infuriating technicians for years! You will learn how to reduce your diagnostic time when facing no starts, rough idle, and popular codes P0215 and P1693. Also, some tips on how to properly use your scan tool for assistance in your diagnostics.



## **ASE Test Prep T Series Bundle**

The bundle includes the following courses:

ASE-L2 Medium/Heavy Vehicle Electronic Diesel Engine Specialist and ASE-T1 to T8

## **Talking Trucks- What you need to know about Diesel Fuels**

This course covers proper diesel fuel testing and diagnostics. Your instructor will present how to validate fuel conditions before checking all aspects of the fuel delivery system, as well as reviewing concerns on lift pumps, gear pumps, and high-pressure pumps. Step by step diesel system testing, diagnostics, and repairs will be demonstrated and discussed. We will cover and show examples of medium-duty through class 8 trucks.

## **Duramax L5D**

Expand your diesel engine diagnostics with our Duramax L5D course! Explore topics like Turbochargers, CAT, DPF, MAP Sensors, ECT Sensors, SCR Reset Precheck, and additional topics. Gain the HD skills needed for success in this part of the automotive industry.

## **Dodge Cummins Diesel 6.7 Update**

Learn about what's new with 6.7 Cummins engines as of 2019. This course will cover key areas that were changed, and what makes diagnosing and servicing them different along with the performance and durability improvements provided by these changes. We will also take a deep dive into the fuel systems and what to watch out for concerning high-pressure pump and injector failures. This course will also cover valvetrain, emissions systems, and turbo-charger concerns.

## **Cummins Insite & QuickServe Diagnostics**

This course demonstrates the key features of Cummins Insite and QuickServe and how to use them to efficiently diagnose and repair Cummins diesel engines. Cummins Insite performs engine diagnostics and displays electronic engine information on your PC. It provides the tools needed to assist in properly and efficiently diagnosing heavy diesel engine performance faults. You will see how to use Insite to perform after-treatment diagnostics, bi-directional tests, ECM calibration, and many other tests used across multiple engine systems. You will also learn the features of Cummins QuickServe. QuickServe provides specific diagnostic information including step-by-step maintenance procedures, wiring diagrams, TSBs, tools, fault code search, as well as parts lookup and ordering. Plus much more!

## **Heavy Duty Emissions**

This course will take the mystery out of exhaust aftertreatment systems. Topics covered include NOx, EGR valves and coolers, temperature and pressure sensors, hydrocarbon doser, DEF fluid doser, NOX sensor, DOC, DPF, SCR, CAC, VGT, DEF quality, tank manifold, heater lines, etc. We will tie all of the components together with hands-on, real world tests and diagnosis.



ON-SITE

## Heavy Duty

Heavy Duty and fleet operations keep this country working! Your equipment is evolving into high-tech machinery and The Group Training Academy is ready to bring your knowledge up to the challenge. Our experienced HD training team has the hands-on real world experience required to train you to properly & proficiently maintain and repair your entire HD fleet from 1 ton up to Class 8 and off-Highway equipment. We are the only HD custom training team you need.

### **Truck Maintenance**

This class will cover how to implement a successful maintenance program to get the most out of your fleet of trucks. It will cover all aspects of maintenance and what systems to keep a close eye on such as brakes, chassis components, wheels and tires, fifth wheel hitch concerns, engine and fuel system needs.

### **Heavy Duty – Emissions and After Treatment Systems**

Heavy Duty Emission systems have grown more complicated in the last few years! Are you up to date? The latest information on the systems and their operation and diagnosis will be covered in this class. Information on all systems from the engine to the after treatment systems will be in the course material and you'll be ready to fix them all. We will stress the integration of engine & emissions system components, as they are very important to ensure troublefree operation. In order to properly diagnose check engine lights and DTCs, you must diagnose the root cause, not just the result.

### **Medium-Heavy Truck Certification Tests ASE (T1 – T8)**

ASE-T Series Bundle

The bundle includes the following courses:

ASE-L2 Medium/Heavy Vehicle Electronic Diesel Engine Specialist and ASE-T1 to T8



## **Heavy Duty Air Brake Workshop**

Air brake systems can be frustrating, let our instructor show you how to conquer air brake concerns with this class-room friendly, hands-on course. Using our one of a kind air brake training aid system, the participants will learn all the basics of connections, flow and control.

Participants will be given the opportunity to build a fully functional air brake system right in class. This course will also shed light on “faulty” circuits to test, diagnose, evaluate and repair the issue once found on site. Multiple faults and many diagnostic concepts will be covered so you’ll be ready for any air brake system repairs.

ABS, trailer braking, and Trailer ABS systems will also be covered in depth discussing the importance of proper service and how it influences advanced systems like ABS and the newer stability and Advance Driver Assist

## **Medium & Heavy Duty Cummins 6.7, L9 & X15**

This class provides everything you need to be successful in diagnosing issues on the Cummins medium and heavy duty engine family. This course covers detailed overviews of design and function of mechanical and electrical and fuel systems along with the necessary knowledge needed to properly diagnose, program and calibrate these fuel systems. You will be provided with proper description and navigation of the Cummins engine families. Integrate your lab scope to validate engine and fuel system failures faster and easier than before. We will share procedures to help you and your shop save precious time when diagnosing these engines and highlight specialty tools such as tools to replace lifters and camshafts without cylinder head removal.

With Cummins moving to hydraulic lifters in 2019 and the new 6.7 engines, be sure you stay up to date with all the tools, procedures and specs to get the job done. Participants will be given the hands-on opportunity to utilize said tools and demonstrate the procedures in this multi-day experience.

## **Heavy Duty Cummins Insight Scanner & QuickServe Diagnostics**

Our Cummins engine series is extremely popular and is used in many medium and heavy duty applications. With the advent of complex emission systems even these engines suffer failure. Cummins continually improves these systems and the best way to analyze these engines is with the Cummins Insight. The class will show you the best way to diagnose most failures using this OE tool. As we know, non-OE level tools may not offer the same capabilities of the OE tool. Cummins Insight works with QuickServe to ensure the quickest and most accurate diagnostic routines . Quickserve will be covered also.

## ON-SITE

# Heating, Ventilation and Air Conditioning

HVAC systems today are more elaborate than ever. Are you getting hot under the collar trying to diagnose multizone fully automated HVAC systems? We can help you keep you cool by showing you how to navigate the modern air conditioning and heating system operation, diagnosis, and testing.

### Air Conditioning Service

#### Featuring AVI's Award Winning Chillinator!

This course will cover all aspects of modern air conditioning systems R-134 and R-1234yf alike. This course is an immersion of air conditioning principles, refrigeration cycle, as well as different system design and functions along with the components involved will be discussed in complete detail.

Get an up close view of the components and a functional A/C system through our award winning "Chillinator" training aid. Proper HVAC service, diagnostics & testing techniques & equipment will be demonstrated and put in participants hands allowing them to demonstrate and evaluate any system failures and courses of action. Participants will be exposed to the multiple methods and use of system leak testing tools to provide the most precise and efficient results. This course will require the use of the store's A/C machine during class. Participants will be able to benefit from all training within a classroom setting. Staying cool will have a new meaning after you complete the course!

The Chillinator contains all the major electrical components of a Hybrid or EV's Air Conditioning system, including a 3 phase compressor, built-in inverter, a 12 volt battery, thermal expansion valve, a receiver-drier, blower motor and easily accessible charge ports. The Chillinator is also available with a turnkey training program on Hybrid and Electric vehicles.

### Hybrid & EV Air Conditioning Service

This course will cover the design, operation, and testing of A/C systems on hybrid and electric vehicles. These systems can come in many forms of compressor drive from belt only, belt/electric combination to full electric in either AC or DC voltage supply. A discussion of the refrigeration cycle will be included. Operation, testing, and diagnostics of these systems will be the bulk of the course time

### Cooling Systems and Coolants

This class covers basic cooling systems features and functionality. Topics discussed will include how thermostats, water pumps, radiator caps, and more operate. You will also get insight into quick and effective diagnostics of cooling system components along with the proper tools needed to complete the job right the first time. Also, you will learn about different types of coolant and what advantages each style provides.





# OVER 70 CLASSROOM AND HANDS-ON LIVE TRAINING WORKSHOPS TO CHOOSE FROM



## Classroom Training

**OVER 40 CLASSES**

Our classroom training rises above the typical PowerPoint presentation. ASE Master Certified instructors blend traditional slide-based lectures with live demonstrations, creating an engaging and interactive learning environment. Each training program imparts essential knowledge through real-world case studies that reinforce core concepts and techniques, supported by additional materials to ensure a thorough and well-rounded learning experience.

Year-round training with our Live Training Season Pass!

**LIVE TRAINING  
SEASON PASS**

Expert Training For  
Automotive & Diesel Professionals

LIVE TRAINING  
SEASON PASS

ASE Accredited Training Provider

- Choose six classes and train up to four technicians
- Year-round training with a full 12 months to use your classes

## Hands-On Workshops

**OVER 30 CLASSES**

Doing hands-on activities is the best way to learn. We are proud to offer technical training in a hands-on workshop environment using our award-winning training aids and system mock-ups. Our flexible offerings can be customized to meet your needs. Our Hands-On training can be delivered in a 1 to 5-day format. With these multiple-day workshops, technicians have the opportunity to reinforce their training with additional tasks, thereby increasing their efficiency and proficiency.

We bring state of the art training aids to your location!

**Whether refining your skills  
or exploring new techniques,  
our workshops offer the perfect  
learning environment.**

- Train up to 20 technicians per class
- Award winning training aids including Hybrid, EV, Brakes, AC and more

**Top-rated instructors • Flexible Scheduling**



Accredited Training Provider

*Our training is approved for NATEF/ASE Education Foundation credits.*



# HANDS-ON WORKSHOPS

## FEATURING INTERACTIVE TRAINING AIDS INCLUDING:

- Hybrid Electric Cutaway Training Aid
- Electric Vehicle Training Aid-EVa
- A/C Training Aid-The Chillinator
- I.R.V - Basic Electrical Training Aid
- The Brake Cube Training Aid
- Brake System Service
- Electrical Fundamentals
- Electrical Diagnostic Strategies
- Introduction to Lab Scopes
- Advanced Lab Scope Testing Techniques
- Modern Lighting Systems Workshop
- Air Conditioning & Heating Systems Workshop
- Ford FDRS Scanner Diagnostics
- Duramax Diagnostics Hands-On Workshop
- Power Stroke 6.7 Diagnostics Hands-On Workshop
- Cummins 6.7 System Operations & Diagnostics Workshop
- Advance Networking Diagnostics Hands-On
- Electrified Vehicles - Air Conditioning Service
- Electrified Vehicles - Maintenance Services Workshop
- Electrified Vehicles - Systems & Diagnostics Workshop
- Electrified Vehicles - Motors & Power Management
- ADAS Service & Diagnostics Workshop
- School Bus Systems - HVAC Workshop
- Heavy Duty - Cummins 6.7, L9 & X15 Hands-On Workshop
- Heavy Duty – Emissions and After treatment Systems
- Heavy Duty EGR & Catalyst Efficiency Testing Workshop
- Heavy Duty – Air Brake Operation & Diagnosis Workshop
- Electrified Vehicle Safety for First Responders





# CLASSROOM TRAINING

DEMONSTRATIONS AND SLIDE SHOWS PRESENTED BY THE NATIONS TOP INSTRUCTORS.

- Cooling Systems and Coolants
- Alignment Angles
- Brake System Service
- Modern Lighting Systems
- Advanced A/C - 609 Certification
- Air Conditioning & Heating Systems
- Network Communication Diagnostics
- Push Button Start Systems
- Ford Diagnostic
- Ford FDRS Scanner Diagnostics
- GM Diagnostic
- Catalyst Efficiency and EGR Systems
- Ignition Systems
- Misfire Diagnostics
- LD Diesel Emission Systems
- Diesel Fuel System
- Duramax Diagnostics
- Power Stroke 6.7 Diagnostics
- Cummins 6.7 System Operations & Diagnostics Shop Management (Service Advisor training, Hire the Best Forget the Rest, Preparing Your Shop for EVs)
- Electrified Vehicles - Air Conditioning Service
- Electrified Vehicles - Maintenance Opportunities
- Electrified Vehicles - Ford Mach-e
- Electrified Vehicles - Ford Lightning
- Electrified Vehicles - Nissan Leaf
- Electrified Vehicles - Toyota Sienna Hybrid
- Electrified Vehicles - Chevy Bolt 1 day
- Electrified Vehicles - Tesla – 1 day
- Electrified Vehicles - Chevrolet Blazer EV Technology
- Electrified Vehicles - Hybrid and EV Drivetrains
- Electrified Vehicles - Battery Technology
- Electrified Vehicles - Inverters
- Electrified Vehicles - Three Phase Motors
- Electrified Vehicles - Charging Stations
- Electrified Vehicles - GM Electric and Hybrid Vehicles
- Electrified Vehicles - Hybrid and EV Test Tools
- Toyota 4th Generation
- A Service Advisor's Guide to ADAS
- ADAS Service & Diagnostics
- School Bus Systems - HVAC
- Medium Duty - International CV Duramax L5D
- Heavy Duty – Cummins Insite Scanner Diagnostics





## Fleet Pass

### Municipalities-Governments Agencies Technician Training

**The best value** in the Fleet Technician Training Market. Complement your training efforts by having access to the most comprehensive updated content.

- ASE Test Prep, Hybrid, EV, ADAS,
- Air Conditioning, Scopes, Scanners and more!
- Comprehensive Quizzes and Testing
- Certificates of Course Completion
- Assessments & Learning Paths
- Concierge service
- 20 Seats

This is the comprehensive online training package for organizations who maintain and repair fleets. COURSES ARE ALSO AVAILABLE FOR ON SITE TRAINING! .

Each of the following course bundles are included with the Fleet Pass and may be available separately.

### Heavy Duty Fleet Pass Bundle

Includes every course in the ASE Test Prep T-Series Bundle- Fleet Pass Plus Heavy Duty Emissions, What you need to know about Diesel Fuels, Cumming HD Engine Performance, Cummings Insite and Quickserve Diagnostics, Duramax L5D and all new class produce during your membership period.

### ASE Test Prep A-Series Bundle-Fleet Pass

Included at No Additional Charge with your Membership

Increase passing rates on the ASE Tests and gain the knowledge you will need to pass the ASE A series, L1, L3, C1, xEV, and G1 tests with the AVI Test Prep Training Bundle.

### ASE Test Prep T-Series Bundle- Fleet Pass

Increase passing rates on the ASE Tests and gain the knowledge you will need to pass any of the T-Series. You will be ready to test on T1 – Gasoline Engines, T2 – Diesel Engines, T3 – Drive Train, T4 – Brakes, T5 – Suspension & Steering, T6 – Electrical/ Electronic Systems, T7 – Heating, Ventilation & Air Conditioning (HVAC), and T8 – Preventive Maintenance Inspection.

### Diesel Technology Pass

If you offer Diesel in your program, this is the must have addition to your curriculum. Content includes Engine Performance, Fuel Testing and Diagnostics covering Heavy Duty and Light Duty engines.





## Classroom Resources and Enrichment for Automotive & Diesel Technology Educators

### Unlimited Educator Pass

The Best Value in the Education Market: Complement your curriculum by having access to the most comprehensive updated content includes ASE Test Prep, Hybrid, EV, ADAS, Air Conditioning, Scopes, Scanners and more!

#### **NEW!** ASE 101 Tips with John Gardner

Your subscription ASE 101 Tech Tips gives you 101 sample ASE questions covering A1 through A8. Hosted by John Gardner, these videos cover automotive systems and each features a step by step approach to answering the question.

**Included with the Unlimited Educator Pass**



### ASE Test Prep Bundle-Unlimited Seats

**INCLUDED AT NO CHARGE WITH YOUR UNLIMITED EDUCATOR PASS**

Increase passing rates on the ASE Tests and gain the knowledge you will need to pass the ASE A series, L1, L3, C1, xEV, and G1 tests with the AVI Test Prep Training Bundle.

**Enhance your subscription with these add ons. (Additional Fees May Apply)**

### Diesel Technology Pass

If you offer Diesel in your program, this is the must have addition to your curriculum. Content includes Engine Performance, Fuel Testing and Diagnostics covering Heavy Duty and Light Duty engines.



### ASE T-Series Bundle

This Bundle includes the following courses:

ASE-L2 Medium/Heavy Vehicle Electronic Diesel Engine Specialist and ASE-T1 to T8





# TRAINING AIDS



## Hybrid Electric Cutaway Training Aid



Hybrid Electric Cutaway Vehicle Trainer is a fully operational vehicle developed for static and active training scenarios. Included with the trainer are secondary, de-energized high voltage components including an additional battery, inverter, and motor generator for introductory practical exercises. The cutaway trainer's cutting-edge features and curriculum have made the lives of automotive students and technicians much easier by providing a product that can be used to teach HEV concepts found on many modern vehicles.

The Cutaway Training Aid includes the following courseware:

- Electricity Fundamentals
- EV / Hybrid Safety
- HV Battery Technologies
- Regenerative Braking
- EV Cooling Systems

## Electric Vehicle Training Aid - EVa



EVa is a fully functional portable training aid that allows testing and demonstration of all major EV electrical component functions. EVa comes with a year subscription of curriculum. It includes slide deck with instructor notes, videos, worksheets, test questions and answers. Curriculum will be updated yearly.

**Hardware includes:**

- NMH Battery Pack for safety
- Reversible 3 Phase Motor
- Traction Inverter
- CAN Software
- Charging controller
- Regenerative Braking
- Liquid Coolant System
- Built-in Faults & Student Worksheets





# TRAINING AIDS

## I.R.V. - Basic Electrical Training Aid

I.R.V. (Intensity, Resistance, Voltage) is the new basic electrical training aid kit from AVI. The I.R.V. is self-contained in a lightweight case and allows automotive trainers and educational instructors to teach basic electrical concepts. Ohm's Law, understanding circuits, proper multimeter usage, voltage drop testing and more can all be performed hands-on with I.R.V. Included with each I.R.V. are all the components necessary for low voltage testing, including leads and connectors, an onboard inverter and specialized multimeter leads for accurate voltage drop testing. The kit also comes with curriculum including an "Introduction To Electricity" manual and basic circuit diagrams as additional support material.



I.R.V. - Basic Electrical Training Aid

## A/C Training Aid- The Chillinator

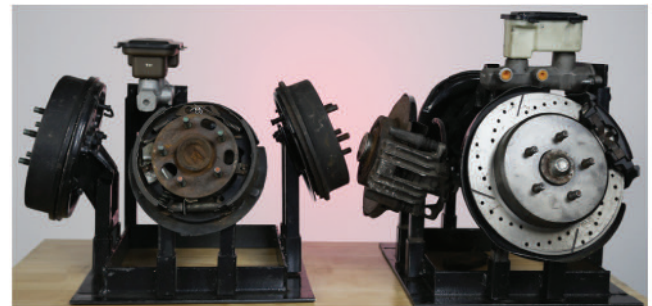


The Chillinator is a complete electric A/C training aid useful in a variety of applications including Hybrid and Electric, and Recreational Vehicles as well as aviation, marine systems. The trainer is available in either R-134A or R-1234YF configurations. This training aid comes with a year subscription of curriculum. It includes slide deck with instructor notes, videos, worksheets, test questions and answers. Curriculum will be updated yearly.



## The Brake Cube Training Aid

The Brake Cube is the most effective hands-on brake training method available today. The Brake Cube training program is straightforward and turnkey, allowing students to perform actual brake inspection, service, repair, diagnostics, and bleeding. This is especially useful when the class does not have a shop to work in. Students will have an opportunity to enhance their knowledge and experience, by simply installing this product on classroom tables.



There are at least 12 unique brake systems and operations that can be taught with this one product. Of course, a complete guide and worksheets are included. All of the disc and drum systems available with the Brake Cube present varying sets of challenges for students to explore and practice. In fact, the Brake Cube supplies hands-on, detailed training on the most serviced brake systems used today, without the need for maintaining multiple vehicles for a single brakes class. Comes with easy-to-use micrometers and dial indicators. The Brake Cube is a reliable and long-term solution for the classroom.

Instructors can rest assured that they will deliver a complete lesson plan, ditching the flat tires and unreliable starters, lug nuts, etc. that come with a fleet of cars used in a brakes class.

# TRAINING KITS

## Diesel Fuel Test Kit

One of the biggest concerns in the diesel repair industry is fuel quality. Any diesel will suffer repeated failures if the fuel has issues. Now there is a kit that can be used to check the quality of the fuel looking for contaminants including water. It is a quick and simple test procedure that ensures the fuel meets the most important qualities so you can reduce parts failures. Contents are all organized in a case and comes with a training program on how to use it! This fuel test kit is great for any diesel shop or school. Do the job right and avoid comebacks.



## Gasoline Fuel Test Kit

Vehicles will suffer repeated failures if the fuel has quality issues. Now there is a kit that can be used to check the quality of the fuel looking for contaminants including water. It is a quick and simple test procedure that ensures the fuel meets the most important qualities so you can reduce parts failures. Contents are all organized in a case and comes with a training program on how to use it! This fuel test kit is great for any shop or school. Test that fuel!



## Diesel/Gasoline Combo Fuel Test Kit

Contents are all organized in a case and comes with a training program on how to use it! This fuel test kit is great for any shop or school. It combines the contents of the Diesel Fuel Test Kit with all of the contents from the Gasoline Fuel Test Kit. The perfect combination! Do the job right and avoid comebacks. Test that fuel!



## Hybrid and Electric Vehicle Test Kit

Great package of essential HEV testing equipment including:

- 1 Milli-Ohm Meter
- 1 Insulation Resistance Tester (Mega-Ohm Meter)
- 1 Cat III 1,000V DVOM (Compact Meter)
- 1 Fluke Proving Unit
- 1 2-Pole Voltage & Continuity Tester
- 1 Fluke 1503 Insulation Tester
- 1 Pair 0/1000V Test Gloves

All securely packaged in an orange, high-impact resistant case





# AVI's High Voltage Glove Service

**NEW!**

**This trouble free service will test your High Voltage gloves every 6 months!**

## AVI:

- Keeps track of the test dates
- Alerts the customer when testing is due.
- Provides convenient FedEx shipping labels addressed to our NAIL certified lab
- Coordinates the testing and results
- Arranges for replacement gloves if a failure occurs-a fee will be charged for the new glove
- Provides up-to-date reporting on the status of all gloves enrolled in the program

## What Sets Our Program Apart:

- Bi-annual testing, inspection, and sanitization by approved NAIL lab
- Easy to access reporting on your AVI OnDemand Shop Dashboard
- Reminders when it's time to test.
- Shipping Including



**NEW!**

**AVI ON DEMAND** **ShopTest.net**  
EXPERT TRAINING FOR THE AUTOMOTIVE PROFESSIONAL Tested, Inspected, Ready For Work.

## Safety Glove Testing Course

Safety Gloves are essential when working on Electrical Vehicles, and making sure those gloves are safe to use is the first step towards working safer. Greg McDaniel with Thomas Electrical Systems & Testing shows you the best practices for inspecting your gloves and why getting them tested with a NAIL accredited test center is so important.

## Hybrid and Electric Vehicle Test Kit

**ESSENTIAL FOR EVERY SHOP, MUNICIPALITY AND SCHOOL**



- 1 Milli-Ohm Meter
- 1 Insulation Resistance Tester (Mega-Ohm Meter)
- 1 Cat III 1,000V DVOM (Compact Meter)
- 1 Fluke Proving Unit
- 1 2-Pole Voltage & Continuity Tester
- 1 Fluke 1503 Insulation Tester
- 1 Pair 0/1000V Test Gloves

# HIGH VOLTAGE GLOVE SAFETY TIPS

**ShopTest.net**  
 Tested. Inspected. Ready For Work.

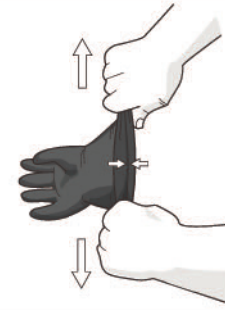
## Daily Inspection of Electrical Protection Gloves

Proper field inspection requires visual inspection of the electrical insulating gloves inside and outside.

**1** Grasp glove.



**2** Stretch to seal closed.



**3** Press and roll tightly.



**4** Twirl glove, rotating on rolled ends.




**5** Entrap air by holding in one hand.




**6** Hold close to ear, squeeze to add pressure, listen and feel for pinhole leaks. When inflated, carefully inspect the glove for any nicks, cuts, cracks or holes.




**7** Check for the most recent test date. Register the issue date of the glove.



**8** Turn glove inside out and repeat process.



**9** In leather protectors, look for any oil, grease, cut, abrasion or other foreign substances that could disqualify the glove for energized service use.



**10** When donning and doffing the gloves, it is imperative that you are not wearing and have removed all jewelry and watches.



**11** Do not stretch the protector.



**12** Use caution and remove the protectors carefully to guard against damaging the integrity of the gloves.



Remember: Selecting the proper class of gloves for the voltage being worked on, verifying the gloves, having recent lab testing and ensuring the gloves are free of defects by rigorous daily field inspection are critical steps to preventing electrical accidents and saving lives.  
[www.Ansell.com](http://www.Ansell.com)

**ACTIV/ARMR**





# The GROUP

## TRAINING ACADEMY

Powered By **AVI**



## RESEARCH AND TRAINING CENTER

At our training and research center, we are well equipped with our award winning teaching props. Our training is enhanced with meters, scan tools and lab scopes. These tools are used in our 4000 square-foot state of the art production studio. This modern studio is also where we host hands on training sessions throughout the year.

# The GROUP<sup>TM</sup>

## TRAINING ACADEMY

Powered By **AVI**

[thegrouptrainingacademy.com](http://thegrouptrainingacademy.com)



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6280 Arc Way Fort Myers, Florida 33966