

The GROUP™

TRAINING ACADEMY

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2026 CATALOG



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WHAT IS THE GROUP TRAINING ACADEMY?

The Group Training Academy is the repair aftermarket training division of the Automotive Parts Services Group (APSG), also known as “The Group”. The Group was formed as a partnership between The Pronto Network and Federated Auto Parts.

As vehicles have become more and more complicated to repair, The Group realized it’s member shops and technicians needed high quality training to keep pace with the rapidly changing repair industry. After extensive research into several aftermarket training companies, The Group partnered with Automotive Video Innovations (AVI) in 2015. AVI is the acknowledged leader in quality repair training and was the perfect choice for The Group.

Since then, both The Group and AVI have continued to grow. In addition to The Pronto Network and Federated Auto Parts, The Group now includes the Aftermarket Auto Parts Alliance (Auto Value and Bumper To Bumper), Parts Plus and The Alliance.

And AVI has expanded it’s online and live hands-on training offerings, also opening a 32,000 sq. ft. training facility called The AVI Technical Academy in 2025.

Jeff Koviak, CEO of The Group says, “ The goal of The Group and The Group Training Academy is a solid focus on “best in class” in order to provide overall value and support within the aftermarket repair industry, and our partnership with AVI has certainly produced outstanding results for our members.”

Whether it’s online training, onsite hands-on training or training at The AVI Technical Academy, The Group Training Academy offers you the best training from the best instructors in the industry.

WELCOME TO THE GROUP TRAINING ACADEMY!



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The GROUP

AUTOMOTIVE PARTS SERVICES GROUP



TGTA MEMBERSHIP HAS IT'S BENEFITS!

**OVER 1,200
HOURS OF
AVAILABLE
TOP-LEVEL
TRAINING
CONTENT!**



Also, 12 monthly *FREE* broadcasts covering:

- ✓ Electrical & Electronic Component Diagnostics
- ✓ Scan tool & Labscope Use
- ✓ Hybrid & EV Diagnostics
- ✓ Engine Performance Troubleshooting
- ✓ Diesel System Diagnostics
- ✓ ADAS Systems Tips & Tricks
- ✓ AND MORE!

Call: 800-718-7246 or Email: support@thegrouptrainingacademy.com



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Approved for NATEF/ASE Education Foundation credits.

NEW RELEASES



LBT-486 Electric Vehicle Maintenance

Prepare your shop for the growing demand in EV and hybrid service. Learn proper fluid maintenance, battery care, drive motor service, and the latest in AC, cooling, and heating system design—plus how to sell these services effectively.



LBT-488 Toyota Drivetrain Diagnostics

Explore Toyota's five generations of hybrid powertrains. Understand how gear trains and electric motor systems interact, how designs have evolved, and what issues technicians are most likely to encounter.



LBT-490 Introduction to Tesla Diagnostic Fundamentals

Gain the essential skills to service and repair Tesla vehicles. This course covers the fundamentals of Tesla diagnostics and is perfect for technicians looking to build confidence and specialize in EV service.



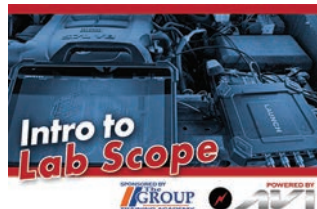
LBT-492 Ford F-150 and Explorer Hybrid Diagnostics

Build expertise in hybrid vehicle service. Learn safe high-voltage shut-down procedures, battery cell analysis, and module diagnostics for Ford's hybrid systems.



LBT-495 GM Diagnostic Procedures

Master GM's strategy-based diagnostic approach. Learn to verify customer concerns, tackle intermittent issues, use RPO codes effectively, and group PIDs for faster, more accurate diagnostics.



LBT-496 Intro to Lab Scopes

Learn when and how to use lab scopes for accurate diagnostics. This course covers scope types, probes, cursor settings, and sample rates—clearing up the confusion and showing you how scopes and accessories fit into your diagnostic toolkit.



LBT-489 Hiring Practices

Hiring the right team is key to your shop's success. This online course gives you the tools to attract, evaluate, and hire top talent that fits your values. From job descriptions to final offers, every step of the hiring process is covered with strategies tailored to automotive.



LBT-497 GDI Diagnostics

Diagnose GDI systems with confidence. Covers system design, operation, injector control, charge pump, boost capacitor, and PCM interaction. Learn to test fuel pressure, sensors, and high-pressure pumps using scan data and lab scopes.

Not sure where to start? We'll help you choose the right training. Call 800-71-TRAIN

WE RECOMMEND



LBT-487 CAN Networking Diagnostics

CAN FD was developed to address the increasing network demands of modern

vehicles. It enhances the traditional CAN network by operating at significantly higher speeds and allowing for a larger data payload in each message. With the addition of new bits to CAN FD messages, these changes can lead to scan tool communication errors and complicate how technicians decode and troubleshoot network messages. AVI's CAN FD course will demystify this advanced protocol, guiding you toward becoming an expert in diagnosing CAN FD network issues.



LBT-467 Modern Lighting

This course takes a look at lighting systems technology found on a variety of modern vehicles. Terminology, components and diagnostic procedures are presented as well as general headlight aiming procedures and DOT regulations. Also included is a section on headlight control systems which illustrates the complexity design used by late model



LBT-370 Cyber Security

Cyber security is in the news, all the time. And with today's vehicles having a huge amount of digital

connectivity not only internally between modules and components, but externally via wi-fi and navigation systems, the chance for "hacking" is all too real. Cyber security expert and NASTF Executive Director Donny Seyfer shows you to be aware of and how to prevent yourself and your customers from becoming victims of hacking attacks.



LS-40 From The Order Taker to The Sales Maker

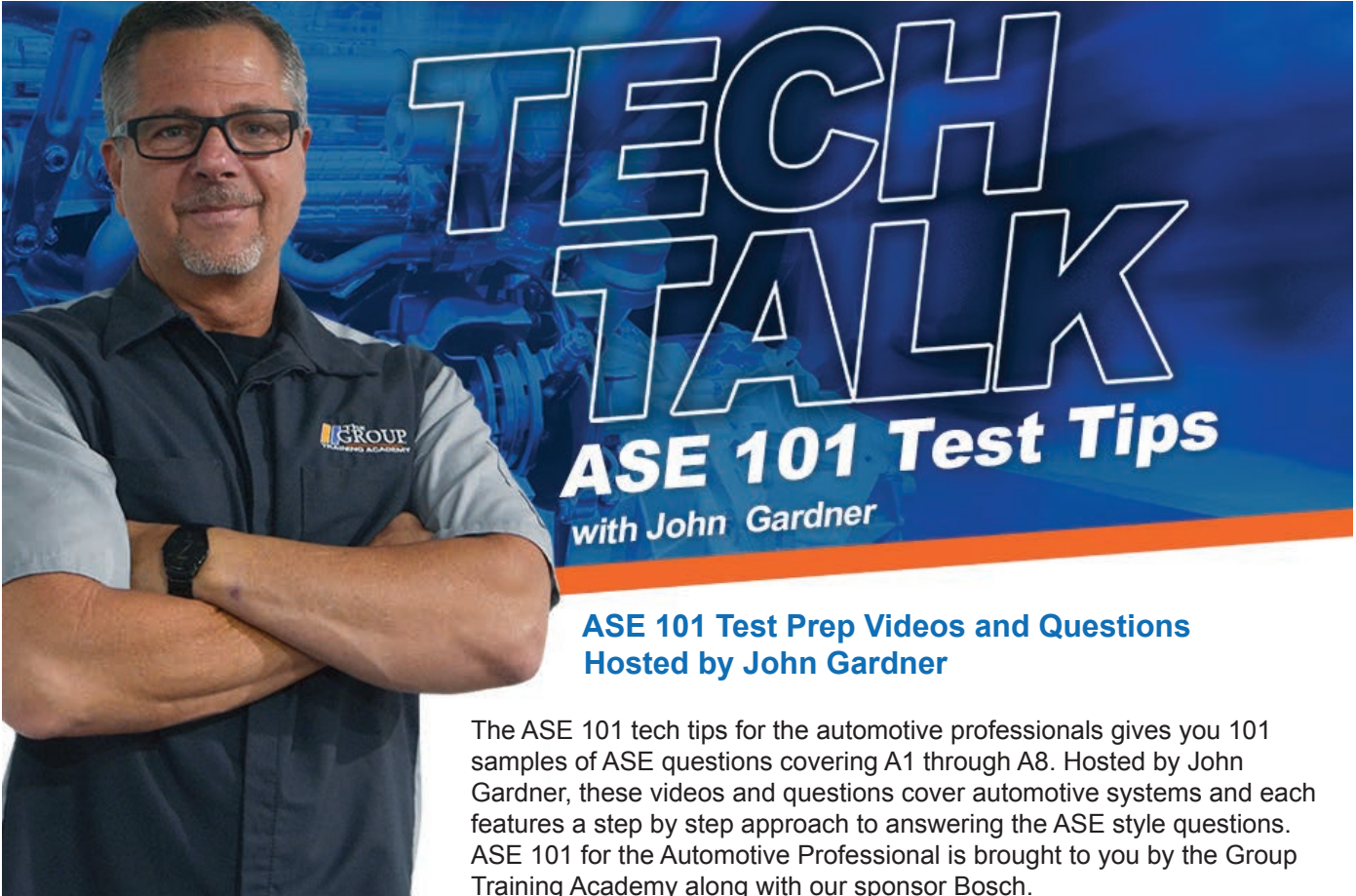
Order takers often sound rushed, answer with yes or no, and miss the chance to build a real connection. A sales maker takes a different approach—listening carefully, asking good questions, and presenting thoughtful solutions. When objections come up, they're ready, and they know the value of always asking for the sale. Sales isn't about price—it's about showing value. When you highlight the value you bring, you stand apart from the competition.



LBT-498 Tesla Diagnostics with Tim Iezzi

Created for technicians ready to advance their skills, this course focuses on diagnosing and servicing Tesla vehicles safely and effectively. While it touches on foundational concepts, most content is geared toward intermediate to advanced automotive professionals. Technicians will learn how to access Tesla service information, follow high-voltage shutdown and isolation procedures, and perform advanced diagnostics using scan tools and live data. The course also covers Tesla's self-driving hardware, high-voltage battery systems, 48-volt architecture, three-phase motor testing, thermal management, and EV-specific maintenance practices. Perfect for shops and techs preparing to work confidently on today's most advanced electric vehicles.

WE RECOMMEND



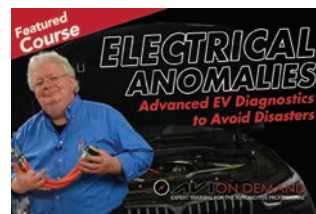
ASE 101 Test Prep Videos and Questions Hosted by John Gardner

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.



LBT-503 Parts Delivery Driver Training

Equip new drivers with the knowledge, skills, and expectations to perform their role with excellence. More than just delivering parts, this course shows how to build strong customer relationships, uphold company standards, and contribute to team success. Drivers will learn safe and accurate delivery procedures, the importance of professionalism, and key vehicle maintenance responsibilities—ensuring every interaction leaves a lasting positive impression.



LBT-471 Electrical Anomalies

This course, is a look at EV/HEV/PHEV anomalies; electrical issues that fall outside the norm. Learn the challenges of troubleshooting voltage systems, including HV connections, leakage, and main contactor relays. It also covers overlooked topics such as motor current draw, AC circuits, ohmmeter false positives in parasitic drains, interlock relay outputs, and trouble codes tied to frequent failures.

Watch this Week's Video

COUNTERMAN EDUCATION CENTER



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Counterman Education Center Bundle



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Free training to build product knowledge and sales skills for serving commercial and DIY customers. With over 375 videos (and counting), this series helps counter professionals move parts off the shelf and into customers' hands.

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The Smart Choice For Auto Parts

The Pronto Network

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— COACH —**

Achieve your Dreams

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Why ASE Certification Matters

ASE certification sets professional technicians apart by validating their knowledge and skills through nationally recognized standards. Earning and maintaining ASE credentials shows a commitment to quality workmanship, customer trust, and ongoing learning. Technicians with ASE certification gain a competitive edge in the job market, increase their earning potential, and demonstrate the expertise needed to handle today's complex vehicles with confidence.

Train Your Way

ASE preparation courses are available online through AVI's OnDemand platform — flexible, 24/7 access anytime, anywhere. Prefer in-person? Choose from classroom sessions with ASE Certified instructors or immersive hands-on workshops using real-world props and our award-winning training aids like our cutaway cars, EVa, and the Chillinator.

Your ASE Success **STARTS** Here

Call 800 71- TRAIN or email us: support@thegrouptrainingacademy.com

All classes are taught by ASE Certified instructors

A-Series - Automobile & Light Truck Certification Tests (A1 - A9)



Engine Repair

Diagnose and repair engines with confidence.



Automatic Transmissions

Service and troubleshoot modern transmissions.



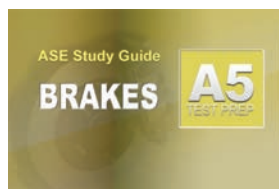
Manual Drivetrains and Axles

Master clutches, gears, and driveline systems.



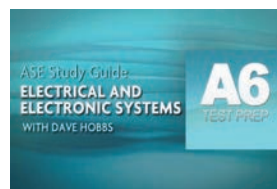
Suspension and Steering

Service alignment and steering components.



Brakes

Expert brake system and ABS service.



Electrical and Electronic Systems

Build diagnostic skills in vehicle electronics.

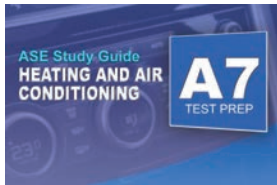
"Their ASE Test Prep videos are an invaluable resource for preparing technicians for certification success."

Todd Hesseltine

Automotive Technology Professor
Kirkwood Community College



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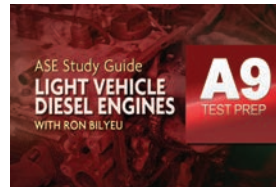
Heating and Air Conditioning

Service heating and air conditioning systems.



Engine Performance

Solve drivability and emissions issues.



Light Vehicle Diesel Engines

Light-duty diesel repair and diagnostics.

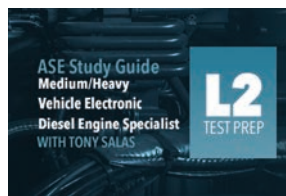


ASE A-Series Bundle



Advanced Engine Performance Specialist Certification Test (L1)

OBD-II and emissions diagnostics mastery.



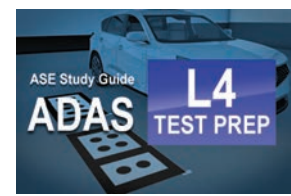
Electronic Diesel Engine Diagnosis Specialist Certification Test (L2)

Diagnose complex electronic diesel systems.



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

Specialist training for HEV/EV repair.



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

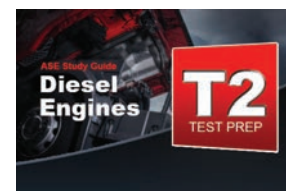
Calibrate and service advanced driver systems.

Medium-Heavy Truck Certification Tests (T1 – T8)



Gasoline Engine

Heavy-duty gas engine diagnostics.



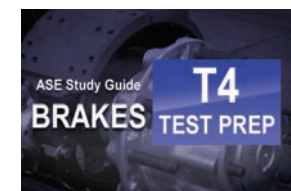
Diesel Engine

Medium/heavy diesel service and repair.



Medium/Heavy Truck Drivetrain

Heavy truck transmission and driveline.



Brakes

Hydraulic and air brake systems training.

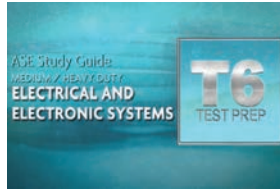


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Medium/Heavy Truck Suspension & Steering

Alignment and steering for heavy trucks.



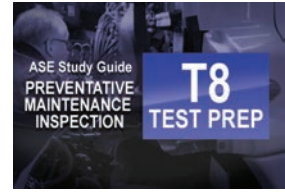
Electrical and Electronic Systems

Troubleshoot heavy vehicle electronics.



Heating and Air Conditioning

Repair truck heating and cooling systems.

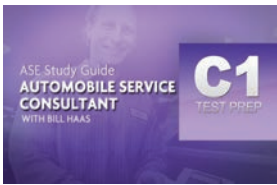


Preventative Maintenance Inspection

Perform thorough preventive inspections.

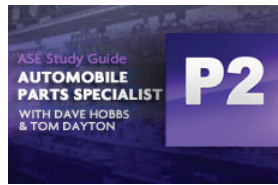
ASE-T Series Bundle

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



Automobile Service Consultant Certification Test (C1)

Customer communication and problem-solving skills.



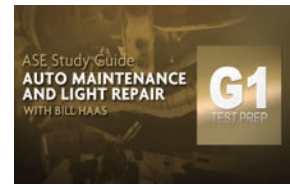
Parts Specialist Certification Test (P2)

Parts sales, identification, and inventory.



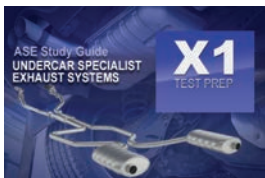
Auto Maintenance and Light Repair Certification Test (F1)

CNG, LPG, and alternative fuel systems.



Alternate Fuels Certification Test (G1)

Service modern light-duty diesel engines.



ASE X1 Undercar Specialist Exhaust Systems Test Prep

Install and service exhaust/emissions parts.

Catalog Sold Separately



xEV Safety Certifications

Essential hybrid and EV safety training.

Catalog Sold Separately

See pages 27-35 for Popular Online Classes.
Scan here for even more great online training!

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LIVE TRAINING

Season Pass

Scan here for
more info about the
**LIVE TRAINING
SEASON PASS!**



>>>

We are committed to providing automotive repair technicians with world-class technical training from some of the nation's most experienced instructors. Our programs are designed to help technicians strengthen their knowledge along with their diagnostic and repair skills, leading to:

- ✓ Increased Accuracy in Diagnosis
- ✓ Reduced Diagnostic Time
- ✓ Higher Repair Order Count
- ✓ Greater Profitability
- ✓ Improved Customer Satisfaction

Unlike other training providers, we focus entirely on training the technician—not upselling parts or equipment. There are no sales pitches or pressure from representatives before, during, or after class.

LIVE TRAINING SEASON PASS

Expert Training For
Automotive & Diesel Professionals

LIVE TRAINING
SEASON PASS

ASE
Accredited Training Provider

- ✓ Pick 6 Classes
- ✓ 40 Manuals included in each class
- ✓ Use over a 12 months

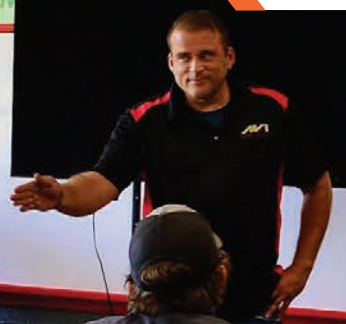


**50 classes
to choose from!**



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Electric Ve



TOR
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TORQ
PLUS A
COMME
X-
MOBIL
P/N: 70202

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even more great
hands-on training
opportunities!



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LIVE TRAINING

HANDS-ON TRAINING: AT OUR PLACE OR YOURS

GAIN REAL-WORLD EXPERIENCE THROUGH EXPERT-LED,
HANDS-ON WORKSHOPS DESIGNED TO BUILD TECHNICIAN
CONFIDENCE AND SKILL.

WE ALSO OFFER ASE CERTIFICATION PREP.

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or at our many other training events throughout the year.
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LIVE TRAINING



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Engine Performance	Advanced Networking Diagnostics	EP-8A108	HOT	8 - 24	

This ATMC award winning course delivers comprehensive training on two key communication systems used in modern vehicles: C.A.N. and C.A.N. FD. Participants will learn the theory, operation, and diagnostic procedures for automotive, light-duty, and heavy-duty truck networks, along with the tools and methods required for effective analysis. Designed for technicians and instructors alike, this course provides the knowledge needed to confidently diagnose and service today's complex vehicle communication systems.



Engine Performance	Push Button Automatic Start-Stop Systems	EP-8A110	LEC	3 - 4	
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Automatic start-stop technology is designed to improve fuel economy and reduce emissions while adding the convenience of keyless entry and push-button starting. This course explores system operation from the key fob to the starter, outlining the diagnostic challenges these technologies present. Technicians will learn proven strategies for troubleshooting and repairing modern start-stop systems with confidence.

Engine Performance	Ford Engine Performance	EP-8A111	LEC	3 - 4	
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As Ford systems evolve with turbocharging and dual fuel strategies, technicians must stay current with emerging technologies. This course covers Ford's new cloud-based scan tool, the J2716 SENT sensor protocol, and variable cam timing systems with their common challenges. Additional topics include advanced cam and crank signal testing and Ford's triple spark ignition systems, equipping technicians with the knowledge to diagnose and repair these modern platforms.

Engine Performance	Ford FDRS Scanner Diagnostics	EP-8A113	LEC / HOT	3 - 24	
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The Ford Diagnostic and Repair System (FDRS) is the next generation scan tool for today's multi-network, multi-control module vehicles. Used by Ford dealerships and repair shops worldwide, FDRS provides powerful capabilities to interface with vehicle systems, networks, and components. This course equips technicians with the knowledge and skills needed to use FDRS effectively for accurate diagnostics and repair.

Engine Performance	GM Engine Performance	EP-8A114	LEC	3 - 4	
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This course provides the knowledge and skills needed to diagnose and repair modern GM vehicles. Learn to master the GM Global Diagnostic System (GDS) scan tool and use its advanced features for efficient troubleshooting. Training covers common engine problems, essential transmission procedures, and emerging sensor technologies. Special focus is placed on brushless low-pressure fuel pumps and their role in today's complex fuel systems, ensuring technicians are equipped to handle the latest GM platforms.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Suspension and Steering	Alignment Angles	SS-4A109	LEC	3 - 4	

A wheel alignment adjusts the angles of the wheels so they are perpendicular to the ground and parallel to each other. Proper alignment ensures maximum tire life and a vehicle that drives straight and true. This course walks through the essential steps and procedures for performing accurate alignments on a variety of vehicles.

Brakes	Brake System Service	BK-5A109	LEC / HOT	3 - 24	
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Coverage includes hydraulic systems, fluids, lines, hoses, valves, switches, power assist units, wheel bearings, brake control units, ABS, parking, and drum brake systems. Designed for both new students and experienced technicians, the course also emphasizes diagnostic strategies and offers strong preparation for the ASE A5 exam.

Engine Repair	Cooling Systems and Coolants	FL-1A109	LEC	3 - 4	
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This class covers the fundamentals of cooling systems, including thermostats, water pumps, radiator caps, and more. You'll gain practical insight into diagnostics, the tools needed to complete repairs correctly, and the differences between coolant types and their benefits.

Electrical & Electronics	Electrical Fundamentals	EL-6A109	HOT	8 - 16	
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Build a strong foundation in diagnosing and repairing electrical systems. Coverage includes circuit types, Ohm's law, voltage drop testing, and the primary components found on most vehicles. Training with AVI's Electrical Training Board (ETB) provides practical experience and real-world diagnostic techniques. Designed for entry-level and novice technicians, the program develops essential skills that lead to long-term growth and shop productivity.



Electrical & Electronics	Electrical Diagnostic Strategies	EL-6A110	HOT	8 - 16	
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Designed for technicians ready to advance beyond the basics, this course focuses on applying sophisticated diagnostic processes to complex modern vehicle circuits. You'll learn how to set up and interpret signals with a lab scope, from capturing baseline waveforms to advanced pressure diagnostics. Real-world case studies and scope applications help sharpen your troubleshooting skills, giving you the confidence and accuracy needed to quickly pinpoint electrical faults. This training builds directly on fundamental knowledge and elevates technicians into the next level of diagnostic expertise.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Electrical & Electronics	Introduction to Lab Scopes	EL-6A209	LEC	3 - 8	

This course introduces technicians to the essential use of lab scopes for modern vehicle diagnostics. Learn how to set up your scope, capture baseline signals, and interpret waveforms for pinpoint accuracy in identifying faults. Real-world case studies and advanced techniques, including pressure waveform analysis, provide practical experience to build confidence and speed in troubleshooting. By mastering scope-based diagnostics, technicians elevate their skills and stay ahead in today's rapidly evolving automotive technology.

Electrical & Electronics	Advanced Lab Scope Testing Techniques	EL-6A210	HOT	16	
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Take your diagnostic skills to the next level with advanced training in lab scope use. This course covers capturing and interpreting complex waveforms, from baseline signals to detailed pressure analysis, giving you the tools to diagnose even the toughest electrical faults. Real-world examples and case studies demonstrate how to apply lab scopes for fast, accurate troubleshooting, helping you master a skill set that is indispensable in today's rapidly evolving automotive industry.

Electrical & Electronics	Modern Lighting Systems	EL-6A309	LEC / HOT	3 - 8	
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From early lanterns to today's advanced HID, LED, and laser systems, headlights have continually evolved to improve road safety. This course explores modern headlight technologies, including LED micromirror designs and nanotechnology, while explaining key concepts such as candelas, lumens, watts, Kelvin, and pixels. Training also covers generic aiming procedures, DOT regulations, and headlight control systems found in late-model vehicles.

Heating & Air Conditioning	Advanced A/C – 609 Certification	AC-7A609	LEC	3 - 4	
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This class prepares technicians for Section 609 certification while covering the latest trends in automotive A/C systems and refrigerants. Topics include automatic temperature control systems, R-1234yf refrigerant, and advanced diagnostic tools. Training also covers use of pressure gauges, reclaimers/recyclers, and thermal imaging cameras for accurate and efficient A/C service.

Heating & Air Conditioning	Air Conditioning & Heating Systems	AC-7A110	LEC / HOT	3 - 16	
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Learn the fundamentals of thermal-related vehicle systems along with practical strategies for servicing today's advanced heating and air conditioning systems. Training includes both traditional diagnostics and modern procedures for conventional HVAC, as well as electric and hybrid heating and cooling technologies—ensuring technicians are prepared to maintain and repair modern climate control systems.

Engine Performance	C.A.N./C.A.N. FD	EP-8A109	LEC	3 - 4	
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Diagnosing Controller Area Network (C.A.N.) and Flexible Data Rate (C.A.N. FD) concerns are a challenge even for experienced technicians. This course provides in-depth coverage of design, operation, and testing procedures, while explaining multiplexing, networking systems, and how modules integrate on a common communication network.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Engine Performance	Advanced Testing Strategies: Catalyst Efficiency, Misfire, and EGR	EP-8A115	LEC	8 - 4	

This course equips technicians with the knowledge and techniques needed to diagnose complex emissions and drivability concerns. Topics include defining and identifying misfires, interpreting Mode 6 catalyst efficiency data, analyzing oxygen sensor operation, and diagnosing EGR system failures related to NOx emissions. Participants will also learn to apply the proper tools and strategies to pinpoint ignition, fuel delivery, and mechanical causes of misfires for accurate and efficient repairs.

Engine Performance	Ignition Systems	EP-8A116	LEC	3 - 4	
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This course provides comprehensive training on modern ignition systems, from traditional distributor setups to coil-on-plug configurations. Technicians will learn spark plug analysis, ignition waveform interpretation, and techniques for diagnosing misfires, combustion issues, and timing concerns. Additional focus is placed on identifying ignition transistor faults and interpreting camshaft and crankshaft sensor waveforms, ensuring accurate diagnostics and optimized engine performance.

Engine Performance	Misfire Diagnosis	EP-8A117	LEC	3 - 4	
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A misfire is more than an annoyance—it's a critical sign of engine health and performance. This training explores the root causes of misfires, from worn piston rings and valves to ignition and fuel system faults. Technicians will learn to use specialized diagnostic tools and scope waveforms to uncover ignition timing issues, cylinder pressure variations, and fuel delivery concerns. Coverage includes both mechanical and ignition/fuel-related misfires, giving participants the expertise to quickly pinpoint and resolve problems for reliable engine performance.

Engine Performance	Drivability Diagnostics with Launch Scan Tools	EP-8A118	HOT	24	
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Modern drivability issues require fast, accurate diagnostics. This training introduces technicians to the capabilities of Launch scan tools for identifying performance problems across engine, transmission, and emissions systems. Learn to navigate scan tool features, interpret live data, and apply proven diagnostic strategies to resolve driveability concerns quickly and confidently.

Engine Performance	GDI Systems	EP-8A119	LEC	3 - 4	
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Gain the knowledge and confidence to diagnose today's GDI systems. Training covers design, operation, and diagnostics, including injector control, charge pump and boost capacitor function, and PCM interaction. Learn to test fuel pressure, temperature, and throttle sensors, as well as high-pressure pumps using scan data and lab scopes. A full section on injector testing explores leak detection, spray pattern, volume, and timing to ensure accurate and efficient repairs.

Engine Performance	Diagnostic Strategies – Is It the Engine?	EP-8A120	LEC	3 - 4	
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Quickly determine whether drivability problems stem from the engine or another system. Learn to apply scan data, lab scopes, and pressure transducers to separate mechanical faults from fuel, ignition, or electronic control issues with confidence.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Engine Performance	Diagnostic Strategies – Is It the Fuel?	EP-8A121	LEC	3 - 4	

Fuel delivery problems can mimic ignition and mechanical issues, making accurate diagnosis critical. This course shows how to use scan data, pressure testing, and lab scopes to evaluate pumps, injectors, sensors, and circuits. Learn proven strategies to confirm or rule out fuel-related faults and resolve driveability concerns efficiently.

Engine Performance	Diagnostic Insights	EP-8A122	LEC	3 - 4	
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Strong diagnostics start with a clear process. This course presents proven methods for approaching drivability concerns, using scan data, lab scopes, and pressure analysis to uncover the root cause of problems. Learn how to interpret test results effectively, avoid common pitfalls, and apply insights that lead to faster, more accurate repairs.

Diesel	Diesel Fuel Systems	DS-9A111	LEC	3 - 4	
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Powerstroke, Duramax, and Cummins platforms all present unique fuel system challenges. This course explains proper testing and diagnostics for pumps, filters, lift pumps, and high-pressure systems to prevent unnecessary parts replacement and come-backs. Learn safe, accurate testing methods, the right tools for the job, and step-by-step strategies to diagnose and repair diesel fuel system issues with confidence.

Diesel	Duramax Diagnostics	DS-9A112	LEC / HOT	3 - 24	
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This course delivers in-depth training on diagnosing and repairing Duramax diesel systems. Learn proven processes for tackling driveability concerns such as hard starts and no-starts, along with step-by-step fuel system testing for lift and high-pressure pumps. Coverage also includes fuel quality issues, DPF and SCR diagnostics, and strategies for using scan tools to pinpoint performance problems accurately. Reduce diagnostic time, avoid unnecessary parts replacement, and gain confidence in solving complex Duramax challenges.



Remember, when you see this symbol, the training is eligible for the **Season Pass**.

Scan the QR code for more info or call **800-718-7246** or email **support@thegrouptrainingacademy.com**





Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Diesel	Power Stroke 6.7 Diagnostics	DS-9A113	LEC / HOT	3 - 32	

Master the diagnostic and repair strategies needed for today's Ford Power Stroke 6.7 diesel engines. Training covers drivability challenges such as hard starts and no-starts, along with fuel system testing for lift and high-pressure pumps. Learn how fuel quality impacts performance, explore proven procedures for diagnosing DPF and SCR complaints, and apply scan tool strategies to pinpoint engine performance issues quickly. Reduce diagnostic time, prevent unnecessary parts replacement, and gain confidence in servicing Power Stroke 6.7 systems.

Diesel	Cummins 6.7 System Operations & Diagnostics	DS-9A114	LEC / HOT	3 - 24	
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Stay up to date with the latest developments in Cummins 6.7 engines. Training covers design changes since 2019, highlighting performance and durability improvements along with new diagnostic challenges. Key focus areas include high-pressure pump and injector failures, valvetrain and turbocharger issues, and emissions system concerns.

Diesel	6.7L Power Stroke Preventative Maintenance	DS-9A115	HOT	8	
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Preventing failures is just as important as fixing them. This course outlines the key maintenance practices that keep Ford's 6.7 Power Stroke engines running reliably. Topics include fluid and filter service intervals, monitoring common wear components, addressing fuel quality concerns, and inspecting emissions and turbo systems before they fail. By applying these strategies, technicians can help customers extend engine life, reduce downtime, and avoid costly repairs.

Electrified Vehicles	Air Conditioning Service	EV-3L109	LEC / HOT	3 - 16	
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Expand your service offerings with in-depth coverage of hybrid and electric vehicle A/C systems. This course includes component identification, A/C theory, compressor types, refrigerant pressure/temperature relationships, inverter placement, and proven diagnostic strategies. You'll learn the design, operation, and testing of today's evolving systems to confidently tackle A/C challenges in HEV and BEV platforms.

Training is powered by AVI's award-winning Chillinator, a fully functional training aid that replicates modern hybrid and EV A/C systems. With hands-on demonstrations and real-world application, you'll leave with the skills and confidence to service advanced automotive climate control systems.



Electrified Vehicles	Systems & Diagnostics	EV-3L110	LEC / HOT	3 - 8	
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The service needs of hybrid and electric vehicles are expanding rapidly. Coverage includes HEV/BEV components such as motors, batteries, regenerative braking, and power electronics. Learn critical maintenance practices including fluid service, battery and thermal management, and proper power-down procedures to ensure safety and vehicle longevity.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Electrified Vehicles	Systems & Diagnostics (Safety & Repair)	EV-3L111	HOT	8 - 24	

Learn diagnostic and repair strategies for high-voltage vehicles, with emphasis on safety and proper service procedures. Coverage includes unique HEV/BEV components, their operation, and effective diagnostic methods, including preparation for safe interaction and correct use of protective equipment.

Electrified Vehicles	Motors & Power Management	EV-3L112	HOT	8	
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Build expertise in hybrid and electric vehicle power systems. Topics include inverter operations, IGBTs, DC-DC converters, and high-voltage testing procedures. Gain insights into three-phase motors, permanent magnet and induction types, motor windings, and failure diagnostics, as well as motor integration with gear trains for safe, efficient performance.

Electrified Vehicles	Ford Mach-E	EV-3L113	LEC	3 - 4	
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The Ford Mach-E brings cutting-edge EV technology to the shop—are you ready? Coverage includes computer strategies, scan data interpretation, battery testing, charging, and maintenance. Learn essential safety practices and develop a diagnostic process tailored to electrified vehicles.

Electrified Vehicles	Ford Lightning	EV-3L114	LEC	3 - 4	
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Be prepared to service the fast-growing Ford Lightning platform. Coverage includes computer strategies, scan data interpretation, battery testing, charging, and safety procedures with proper PPE and specialty tools. Explore drivetrain components, inverter/converter systems, motor designs, cooling and AC systems, and diagnostic techniques tailored to EV service.

Electrified Vehicles	Nissan Leaf	EV-3L115	LEC	3 - 4	
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Our Leaf Cutaway is a 2025 Motor Top 20 award Winner! Dive into the technology behind one of the most widely adopted EVs on the road today. Coverage includes computer strategies, scan data interpretation, battery testing, charging, and maintenance procedures for the Nissan Leaf. Safety practices, proper PPE use, and step-by-step diagnostic processes provide the foundation for servicing this platform with confidence.

Electrified Vehicles	Toyota Sienna Hybrid	EV-3L116	LEC	3 - 4	
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Stay current with the latest updates on Toyota's advanced hybrid systems. Coverage includes predictive HV battery state-of-charge technology, use of the GTS Toyota scan tool, and diagnostic procedures for batteries, inverters, and motor generators. Essential safety practices and routine maintenance are also included.

Questions? Reach out to us by calling 800-718-7246 or email: support@thegrouptrainingacademy.com

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Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Electrified Vehicles	Chevy Bolt	EV-3L117	LEC	3 - 4	

Introduced in 2017, the Chevy Bolt and Bolt EUV share the same powertrain and have become popular, affordable EV options. Coverage includes key components, diagnostics, and service strategies, with insights into GM's design approach for extended driving range.

Electrified Vehicles	Tesla Diagnostic Fundamentals	EV-3L118	LEC	3 - 4	
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Gain the skills to safely and effectively service Tesla vehicles. Coverage includes shutdown and isolation procedures, service information resources, scan tool use, and PID data interpretation. Explore Tesla's self-driving hardware, three-phase motors, high-voltage batteries, and charging systems, along with procedures such as jump-starting and safe charging practices.

Electrified Vehicles	Chevrolet Blazer EV Technology	EV-3L119	LEC	3 - 4	
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Explore the innovative Chevy Blazer EV with a focus on safe handling of high-voltage systems and essential testing practices. Learn charge connector types, inverter operation, and the role of IGBTs in the powertrain. Diagnostic strategies include measuring for isolation faults and using specialized tools to maintain system integrity and reliability.

Electrified Vehicles	Hybrid & EV Drivetrains	EV-3L120	LEC	3 - 4	
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Understand the design and operation of modern hybrid and EV drivetrains. Topics include power flow, gear reduction, torque multiplication, and the performance characteristics of electric motors compared to gasoline engines. Explore BEV gear trains through advanced transaxle systems to build confidence in diagnosing and servicing these components.

Electrified Vehicles	Battery Technology	EV-3L121	LEC	3 - 4	
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Explore the design and operation of high-voltage EV batteries, from Nickel-Metal Hydride (NiMH) to lithium-ion systems. Learn cell, module, and section structures, along with essential safety protocols for testing. Develop skills in scan data interpretation, balancing, reconditioning, and thermal management to ensure reliable battery performance and longevity.

Electrified Vehicles	Inverters	EV-3L122	LEC	3 - 4	
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Build expertise in inverter operation and the role of Insulated Gate Bipolar Transistors (IGBTs) in hybrid and electric vehicles. Learn to analyze voltage and amperage waveforms, test for isolation faults, and evaluate capacitors. Diagnostic strategies include DC-DC converter testing, distinguishing buck and boost operations, and assessing high-voltage contactors.

Electrified Vehicles	Three Phase Motors	EV-3L123	LEC	3 - 4	
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Master the operation and diagnostics of three-phase automotive motors. Learn to identify components, distinguish between permanent magnet and induction types, evaluate motor windings, and analyze motor and bearing failures. Explore how three-phase motors interact with gear trains to ensure reliable vehicle performance.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Electrified Vehicles	Charging Stations	EV-3L124	LEC	3 - 4	

Stay ahead with a clear understanding of EV charging systems. Coverage includes charge connectors, pin assignments, on-board charger operation, and Level 1–4 charging differences. Learn to size home chargers, use mobile apps for charging access, and make informed decisions about installation, operation, and utilization of charging stations.

Electrified Vehicles	GM Electric & Hybrid Vehicles	EV-3L125	LEC	3 - 4	
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Explore the technology and safety practices essential for servicing GM's electrified platforms. This course compares the drivetrains of the Bolt, Blazer, and Volt, and covers inverter operation, IGBTs, and high-voltage testing for isolation faults. Learn proper safety protocols and gain insights into the specialized tools required for HEV and BEV diagnostics.

Electrified Vehicles	Hybrid & EV Test Tools	EV-3L126	LEC	3 - 4	
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Gain a comprehensive understanding of six essential diagnostic tools for servicing hybrid and electric vehicles, including milli-ohm meters, insulation resistance testers, and high-voltage DVOMs. Learn proper use of personal protective equipment and explore real-world diagnostic applications to ensure safe, accurate, and efficient repairs.

Electrified Vehicles	Toyota 4th Generation	EV-3L127	LEC	3 - 4	
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Master the latest Toyota hybrid technology with a focus on fourth-generation Prius systems. Coverage includes drivetrain updates, high-voltage safety, battery handling, and use of factory scan data. Learn torque distribution between engine and motors, and gain a deeper understanding of three-phase motors, inverters, and DC-DC converters.

Electrified Vehicles	Hybrid/EV Safety	EV-3L128	HOT	8	
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Safety is the top priority when working with hybrid and electric vehicles. Coverage includes shutdown and power-down procedures, proper use of PPE, and safe handling of high-voltage batteries and components. Learn to identify hazards, avoid technician errors, and apply industry-recommended protocols to ensure safe and compliant repairs.

Electrified Vehicles	Ford F-150 & Explorer Hybrid Systems	EV-3L129	LEC	3 - 4	
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Be ready to service Ford's most popular hybrid platforms. Coverage includes design and operation of the F-150 and Explorer hybrid drivetrains, battery and motor integration, regenerative braking, and power management strategies. Learn key diagnostic approaches, scan data interpretation, and essential safety practices for working with high-voltage components.

ADAS	A Service Advisor's Guide to ADAS	DA-4L109	LEC	3 - 4	
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Learn how to communicate the value of Advanced Driver Assistance Systems (ADAS) services to your customers. This course explains key components such as cameras, radars, blind spot detection, and park assist sensors, while reviewing aftermarket service opportunities, calibration needs, and common concerns. Gain the knowledge to build customer confidence and support proper ADAS maintenance in your shop.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
ADAS	ADAS – Service & Diagnostics	DA-4L110	LEC / HOT	8 - 24	

Stay ahead with the skills to service today's ADAS technology. This course covers cameras, radars, blind spot detection, and park assist sensors, with emphasis on safety, precision, calibration, and diagnostic procedures. Gain the knowledge to confidently maintain and repair these rapidly growing systems while addressing common concerns and misconceptions.

Heavy Duty	Cummins 6.7, L9 & X15	DS-2T109	LEC / HOT	8 - 24	
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Master diagnostics on the Cummins 6.7, L9, and X15 platforms. Coverage includes design and function of mechanical, electrical, and fuel systems, along with programming and calibration procedures. Learn to integrate lab scopes, apply time-saving diagnostic strategies, and use specialty tools for lifter and camshaft service. Updates on hydraulic lifters and the newest 6.7 engines ensure you stay current with the latest Cummins technology.



Heavy Duty	Emissions & Aftertreatment Systems	DS-2T110	HOT	24	
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Heavy-duty emission systems have grown increasingly complex—are you up to date? Gain the latest information on system operation and diagnostics, from engine and fuel injection strategies to aftertreatment components, and be prepared to service them all with confidence.

Medium Duty	International CV Duramax L5D	DS-2T112	LEC	3 - 4	
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Develop the knowledge to diagnose and service the International CV equipped with the Duramax L5D engine. Coverage includes engine design and operation, fuel and emissions systems, and electronic controls. Learn strategies for troubleshooting drivability concerns, interpreting scan data, and applying time-saving diagnostic techniques tailored to medium-duty applications.

Heavy Duty	Cummins Insite Scanner Diagnostics	DS-2T113	LEC	3 - 4	
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Master Cummins Insite and QuickServe to diagnose and repair heavy-duty engines with confidence. Explore aftertreatment testing, bi-directional functions, ECM calibration, and system-specific diagnostics. QuickServe adds maintenance procedures, wiring diagrams, TSBs, fault code search, and parts lookup to streamline troubleshooting and repairs.



Classroom Training



Hands-On Training



Season Pass Eligible

Section	Course Title	Course #	Format	Credit Hours	Icons
Heavy Duty	International Diamond Logic	DS-2T114	HOT	16	

Gain a clear understanding of International Diamond Logic electrical system, designed to integrate and optimize vehicle performance. Learn to interpret wiring diagrams, navigate system architecture, and diagnose body control modules, multiplexing, and programmable features. Develop strategies to troubleshoot electrical faults and apply best practices for maintaining International trucks.

Medium Duty	International CV Duramax L5D Master Class	DS-2T115	HOT	32	
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Take an in-depth look at the International CV equipped with the Duramax L5D engine. Coverage includes engine design, fuel and emissions systems, electronic controls, and drivetrain integration. Learn advanced diagnostic strategies, scan data interpretation, and proven troubleshooting techniques to resolve performance and drivability concerns in medium-duty applications.

ASE Test Prep	T2 ASE Test Prep – Diesel Engines	DS-2T116	HOT	24	
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Prepare with confidence for the ASE T2 Diesel Engines certification exam. Review diesel engine design, operation, and performance systems, with emphasis on fuel, air induction, cooling, lubrication, and exhaust systems. Practice test questions and study strategies help reinforce knowledge and improve exam readiness—ideal for technicians seeking certification or recertification.

Heavy Duty	Air Brake Operation & Diagnosis	BK-4T109	HOT	16 - 32	
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Master the complexities of heavy-duty air brake systems, including compressors, governors, ABS, and related components. Learn how wheel speed sensors, tone wheels, and their circuits interact with controllers, while emphasizing diagnostic strategies, time-saving troubleshooting methods, proper adjustments, and safe service procedures.

Shop Management	Hire the Best, Forget the Rest / Preparing Your Shop for EVs	SM-1C109	LEC	8	
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Develop the skills to become a trusted link between customers and technicians. Learn proven communication strategies, estimate writing, and scheduling techniques to improve workflow, increase sales, and build stronger customer relationships.

Custom	Create Your Own Course	CSTOM-	LEC/HOT	3 - 32	
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Create your own Custom Course. Contact us today. 800-718-7246

Hydraulic Systems	NEW	HS-1E101	LEC/HOT	3-26	
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Gain a solid foundation in hydraulic principles, maintenance, and diagnostics. Learn how piston sizing, pressure dynamics, and fluid mechanics affect system performance. Topics include pump operation, valve control, hose building and selection, fluid and hose maintenance, and common failure points. Safety practices are emphasized through pre-course training and demonstrations. By the end, participants will have the knowledge and skills to service, diagnose, and maintain hydraulic equipment with confidence.

AWARD WINNING TRAINING AIDS

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All Electric Cutaway Training Aid - Nissan Leaf

AVI's All Electric Cutaway Training Aid is a fully operational vehicle developed for static and active training scenarios. The cutaway trainer's cutting-edge features provide a product that can be used to teach EV concepts found on many modern vehicles.



Hybrid/Electric Vehicle Training Aid - EVA

EVA is a fully functional award-winning portable training aid that allows hands-on testing and demonstration of all major Hybrid and EV component functions. Smaller than our full vehicle cutaways, EVA is perfect for a normal classroom setting.



Hybrid/Electric Cutaway Training Aid - Toyota Prius

This award-winning Hybrid Cutaway Training Aid is fully operational vehicle that allows for onsite hands-on training. Concepts of hybrid and EV vehicle functions and repair, including very important safety procedures, can be demonstrated with this training aid.



A/C Training Aid - "The Chillinator"

The Chillinator is an award-winning electric A/C training aid useful in a variety of vehicle configurations. The training aid is available in either R-134A or R-1234yf, and replicates all the major A/C system components.



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:

LBT-335 Advanced Driver Assistance Systems: Repair Opportunities for the Service Provider

ADAS technology continues to evolve, bringing new service opportunities for aftermarket repair shops. This session explores common components—cameras, radars, blind spot detection modules, and park assist sensors—and highlights proven procedures for working with them. Real-world case studies show how technicians have successfully diagnosed and repaired ADAS issues, while practical tips from the field will help you build confidence and skill in this growing area of service.

LBT-396 F.R.E.D. takes the Wheel ADAS

Take an in-depth look at today's Advanced Driver Assistance Systems (ADAS) with F.R.E.D. (Frustrating Ridiculous Electronic Device). Learn how cameras, radar, and LiDAR sensors function, explore calibration procedures, and pick up service tips you can use in the shop. This virtual hands-on course is ideal for technicians wanting to better educate customers or expand into ADAS diagnostics and calibration.

LBT-457 Hitting The Target-ADAS

This course introduces the fundamentals of Advanced Driver Assistance Systems (ADAS) and the essential terminology, theory, and components that support them. You'll learn how cameras, sensors, and related technologies communicate and operate, providing the foundation needed before performing diagnostics, calibrations, or repairs. With ADAS now standard on most modern vehicles, understanding these systems is critical for today's technicians.

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

Fundamental Electrical Training

These courses provide the basic knowledge you need to be successful diagnosing electrical problems.

LBT-491 Electrical Fundamentals

Build a solid foundation in automotive electrical systems. Learn volts, amps, ohms, and watts; apply Ohm's Law; understand series and parallel circuits; and diagnose voltage drops. Strengthen your fundamentals to interpret circuit performance with confidence.

AP-9 Meter Usage and Electrical Circuit Testing

Build a solid foundation in automotive electrical systems. Learn volts, amps, ohms, and watts; apply Ohm's Law; understand series and parallel circuits; and diagnose voltage drops. Strengthen your fundamentals to interpret circuit performance with confidence.

LBT-269 Wiring Schematics Interpretation

Peter Orlando guides you through understanding symbols and layouts in wiring diagrams on both domestic and import vehicles, giving you the tools to diagnose electrical problems correctly.

LBT-233 Victory Over Voltage Drops

Dave Hobbs shares proven techniques to diagnose and overcome electrical issues caused by voltage drops, helping you solve phantom problems faster.

LBT-270 Parasitic Current Draw

Master step-by-step diagnosis of parasitic battery drains with Dave Hobbs. Confirm customer complaints, pinpoint the cause, and verify your repair.

LBT-378 Labscope Testing of Automotive Sensor Signals

Learn to read and interpret sensor waveforms with a lab scope. Ron Bilyeu covers throttle, thermistor, MAF, O2, fuel injector, ignition, and more—showing how to spot patterns and diagnose problems with confidence.

LS 9 Wiring Schematics Interpretation

ASE Master Technician Peter Orlando shows you how to confidently diagnose electrical issues using wiring schematics. Learn to read common symbols, trace circuits, and understand power flow and design—building the skills needed for accurate, efficient troubleshooting.

Next Level Electrical Training

LBT-446 What You Need To Know About CAN FD Part 1

Tom Rayk introduces the CAN FD standard and how it improves on traditional CAN data communication. Learn repair techniques for twisted-pair wiring, proper resistance testing and hands-on demonstrations.

LBT-424 Advancing Your Networking Diagnostic Skills

Dave Hobbs covers modern vehicle network configurations with real-world case studies and hands-on testing with meters and lab scopes. This course helps technicians build stronger networking diagnostic skills.

LBT-237 F.R.E.D. Kicks the CAN

Dave Hobbs shows you how to tackle “No Communication” issues and U-codes with confidence. Learn to use meters, lab scopes, and scan tools to diagnose CAN bus and earlier network problems on Ford, GM, Toyota, and Chrysler. Packed with real-world tips and hands-on training to help you solve network issues fast.

LBT-257 Future Power: Advanced Technologies in Batteries

Dave Hobbs explains the latest testing methods for modern batteries, starting, and charging systems. Learn how computer-controlled modules and anti-theft systems affect diagnostics, how to avoid damaging sensitive batteries, and how to stay current with evolving technology.

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

LBT-212 Anatomy of a Waveform

Bill Fulton demonstrates the diagnostic power of secondary ignition and compression waveforms using a DSO and pressure transducer. Learn to spot rich cylinder conditions, timing issues, misfires, and mechanical integrity problems. The course also covers compression and leak-down testing, spark timing analysis, high-resistance faults, and diagnosing variable CAM timing phase problems.

LBT-459 Speed Scope: Going Beyond the Code

Learn how to move past trouble codes by capturing and interpreting key waveform patterns. This course covers target pattern identification, amperage ramp analysis, and the use of current probes to evaluate sensors, actuators, fuel injectors, ignition coils, and pumps. Gain the skills to set up your scope for triggering and recording, helping you catch intermittent issues with confidence.

LBT-447 Misfire Diagnostic Strategies

Learn a fast, efficient process to identify and repair misfires the first time. Instructor Andy Tirado uses real vehicle case studies to demonstrate tools and techniques for diagnosing fuel, ignition, and mechanical misfires—even on “smart” ignition systems. See how scopes, scan tools, and Mode 6 data can pinpoint the problem quickly and accurately.

LBT-443 In-Cylinder Pressure Diagnostics

Discover how to use pressure transducers and a lab scope to diagnose engine performance issues with precision. This course covers waveform interpretation for identifying cylinder misfires, valve timing concerns, fuel injector restrictions, blow-by, and volumetric efficiency problems. Learn how intake, exhaust, and valve train issues can be revealed through in-cylinder pressure testing and advanced waveform analysis.

LBT-75 Computer Engine Data

Ron Bilyeu answers common questions on using scan tools, lab scopes, and graphing multimeters more effectively. Learn about PCM functions such as reset, torque management, and spark timing, plus insights on octane tables, E85 compliance, and flexible fuel sensors. The course also covers ignition misfire strategies, quad drivers, frequency testing, and other advanced diagnostic techniques.

Shop Management

LBT-250 Working with Gen X and Y

Generations X and Y make up a significant portion of today's workforce. In this course, Bill Haas explains their defining characteristics, drivers, and values—and how these impact communication, motivation, and relationships in the workplace. Learn how to adjust your management, mentoring, and coaching approaches to create a productive and engaged team.

LBT-281 Making Money Servicing Hybrid Vehicles

Presented by auto-electric guru Dave Hobbs, this course builds the foundation for hybrid service and maintenance. Learn to identify hybrid types, follow key safety practices around high-voltage systems, and understand the unique components of hybrid vehicles. Explore service opportunities and discover how your shop can profit.

LBT-382 Building a Business Culture Employees Embrace

The future of your business depends on the people who work there. This course explores how to create a workplace culture that attracts and retains talent. Learn the values employees seek, the seven questions they ask about job satisfaction, and how to influence attitudes by fostering effective management, empowerment, recognition, and opportunity.

LBT-383 Developing Leadership Traits for Success

If you're being pushed from behind, you're already in front. Leadership can't be avoided—it must be embraced. Bill Haas shares strategies for providing direction, vision, and purpose to your team. Learn how to align objectives with values, create a positive culture, empower employees, and lead with influence.

LBT-384 7 Habits of Highly Successful Service Advisors

Success as a service advisor doesn't happen by chance. This course outlines seven proven habits that, when applied, lead to a rewarding and sustainable career. Learn how to build customer trust, improve communication, and create positive experiences that drive results.

LBT-439 Hire the Best Forget the Rest

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.

LBT-461 Millennial Perspective: What I Want from an Auto Repair Shop

Millennials are reshaping expectations in the automotive service industry. This course provides insights into their values and practical strategies to meet their needs. Learn how to build stronger relationships, foster loyalty, and position your shop for success in a rapidly changing marketplace.

LBT-462 Hire Like a Boss

Finding and retaining the right people is critical to your shop's success. This course explores effective hiring strategies and best practices for attracting top talent. Whether expanding your team or filling a specific role, you'll gain techniques to improve decision-making and build a workforce that drives results.

LBT-465 Business Service Model for EV

Electric vehicles are reshaping every aspect of shop operations—from marketing and training to equipment, communication, and profitability. This business class provides a roadmap for adapting your service model to the EV era, with strategies to align key performance indicators and remain profitable in a changing industry.

Hybrid & Electric Vehicle

LBT-442 EV Theory and Operation

Instructor Tom Rayk explains the fundamentals every technician needs to understand hybrid and electric vehicles. Learn the differences between AC and DC electricity, proper meter use, and essential EV safety procedures. The course also reviews key components, power conversion circuits, and diagnostic tools to build a solid foundation for EV service.

LBT-409 Hybrid & EV Essentials

This course introduces technicians to the fundamentals of hybrid vehicle systems, safety, and diagnostic testing. You'll learn how hybrid systems operate, review hybrid statistics, and explore common pattern failures. The class also covers proper service and maintenance procedures, along with testing strategies to ensure accurate, efficient repairs and prepare you for more advanced EV training.

LBT-448 Hybrid/EV Scan Tool Diagnostics

Explore the multiple configurations of HEV/EV systems and learn how to develop effective diagnostic strategies with your scan tool. Gain insight into system controls, monitoring, and common problem areas such as high-voltage systems and bi-directional control service modes. The program also covers desired values, PID analysis, bi-directional commands, and the role of thermal management—helping you follow the right path toward accurate diagnosis and repair.

LBT-327 48 Volts and Beyond: HEV Advanced Diagnostic Tips

Go beyond basic hybrid safety and build advanced skills for diagnosing high-voltage systems. Learn how to troubleshoot codes like the P0A0D on Prius models, understand high-voltage interlocks, and apply hands-on diagnostic techniques using meters and scopes designed for HEV systems. The course also covers system main relays, HV isolation fault circuits, differences between Ford and Toyota designs, and the latest 48-volt architectures.

LBT-228 Mastering Hybrid HVAC Systems

Instructor Dave Hobbs demonstrates the hands-on fundamentals of servicing hybrid A/C systems through live on-car demonstrations. Build confidence in diagnosing these complex systems while learning practical strategies and real-world techniques. The course also covers critical technical tips to maintain customer comfort and protect hybrid batteries from overheating, ensuring safe and reliable system performance.

LBT-376 Best of Hybrids

A combination of LBT-281 and ASE-L3, this course delivers a concise, information-packed overview of hybrid repair with instructor Dave Hobbs. Learn about the different types of hybrid vehicles, essential safety steps, and profitable service opportunities. From high-voltage disconnects and capacitor testing to inverter diagnostics and hybrid-specific DTCs, this course highlights the critical knowledge every technician needs to succeed in hybrid service.

ASE L-3 Hybrid/Electric Vehicle Specialist Test Prep

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 individuals intending to take the Level 1 and/or Level 2 xEV safety certification test(s) with practical information that will aid viewers in having a successful test experience.

LBT-471 Electrical Anomalies

This course, “Electrical Anomalies,” is a look at EV/HEV/PHEV anomalies; 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.

LBT-455 Bad Connections PHEV and BEV J1772 EVSE Diagnostics

Instructor Dave Hobbs explores diagnostics beyond the vehicle, focusing on Electric Vehicle Supply Equipment (EVSE) and J1772 connection issues. Learn how to identify and resolve power supply and charging connection problems that may originate either on or off the vehicle. This program highlights the growing opportunities in EV service and prepares technicians for the challenges of plug-in and battery electric vehicle diagnostics.

LBT-479 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.

LBT-454 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.

LBT-436 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.

LBT-422 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.

LBT-486 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.

LBT-481 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.



Light / Medium / Heavy Duty Diesel Technology

LBT-416 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.

LBT-417 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.

LBT-425 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.

LBT-421 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.

LBT-425 6.7 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.

LBT-429 Duramax 3.0 LM2

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.

LBT-418 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.

LBT-428 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.

LBT-427 Duramax L5P Diagnostics and Engine Performance

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.

LBT-416 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.

LBT-480 Duramax L5D

Expand your diesel engine diagnostics with our new 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.

LBT-468 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.

LBT-472 Cummins Insite & QuickServe Diagnostics

Learn how to use Cummins Insite for engine diagnostics, after-treatment testing, bi-directional controls, and ECM calibration. Explore QuickServe for step-by-step procedures, wiring diagrams, TSBs, fault code search, and parts lookup to streamline Cummins engine repair.

LBT-473 Heavy Duty Emissions

This course will take the mystery out of exhaust aftertreatment systems. Topics Covered: 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.

LBT-497 GDI Diagnostics

Learn how Gasoline Direct Injection (GDI) systems work and how to diagnose them with confidence. This course covers injector control, power and ground testing with lab scopes and amp probes, smart sensor diagnostics for fuel pressure, temperature, and throttle position, and high-pressure pump testing using scan data and scopes. A full section on injector testing—including leak, spray pattern, volume, and timing—is also included.

Workplace Safety

LBT-485 Safety Glove Testing

Covers best practices for inspecting electrical safety gloves and explains the importance of NAIL-accredited testing for EV work.

LBT-498 Personal Protective Equipment (PPE)

Covers OSHA requirements for PPE in the shop, including proper use and maintenance to protect against hazards like chemicals, noise, and flying debris.

LBT-499 Hazard Communication Safety

Covers OSHA's GHS standard, focusing on chemical labels, hazard symbols, and Safety Data Sheets for safe handling.

LBT-500 Fire Extinguisher Safety

Explains proper placement, use, and inspection of fire extinguishers, including the PASS method and fire prevention tips.

LBT-501 Personal Protective Equipment (PPE)

Reviews OSHA PPE requirements, covering selection, use, and maintenance to protect against common shop hazards.



Lockout/Tagout: OSHA-Compliant Safety Procedures

Protecting yourself and others starts with proper safety practices. This course covers OSHA-mandated Lockout/Tagout (LOTO) procedures to control hazardous energy during service and maintenance. Learn how to identify energy sources, apply locks and tags correctly, and verify system isolation before work begins. Real-world examples and step-by-step instruction ensure you can confidently perform LOTO to keep your workplace safe and compliant.

Cut out and display our Lockout/Tagout Safety Tip for a handy shop reference.

See next page.

Lockout/Tagout (LOTO) Safety Tips



Lockout/Tagout: Safety First, Every Time.

Why LOTO Matters

- Prevents unexpected startup of machines and equipment.
- Protects workers from hazardous energy (electrical, mechanical, hydraulic, pneumatic, chemical, thermal).
- Required by OSHA Standard 29 CFR 1910.147.

Did You Know?
Failure to follow proper LOTO procedures is consistently among OSHA's Top 10 most cited violations.

OSHA's 9 Core Procedures

Step	Procedure
1. Preparation	Identify all energy sources and understand the hazards.
2. Notification	Inform affected employees before lockout/tagout begins.
3. Shutdown	Turn off the machine or equipment properly.
4. Isolation	Disconnect or block all energy sources.
5. Lockout/Tagout Application	Apply locks and tags to each isolating device.
6. Release of Stored Energy	Dissipate or restrain residual energy.
7. Verification	Confirm system is de-energized before work starts.
8. Perform Work Safely	Carry out maintenance or servicing.
9. Removal of Lockout/Tagout	After work, remove tools/guards, then remove locks/tags safely.

- Safety Tips**
- Always use your own lock and key – never share.
 - Tags must clearly identify the person who applied them.
 - Stay alert: verify, then re-verify, before you start work.

Why It Matters for Technicians

LOTO is more than compliance—it's about going home safe every day. Following OSHA standards protects technicians, coworkers, and shops from serious accidents and costly violations.





AVI Technical Academy



Our Commitment

AVI Technical Academy strengthens the automotive aftermarket by preparing skilled, confident technicians. By investing in education, we invest in the future of quality repairs, customer satisfaction, and industry success.



Mission

We empower technicians, shop owners, service advisors, and parts professionals with ASE-accredited training that adapts to today's evolving technologies.



What We Offer



- ⚡ **Technician Development Program** – Mentorship-style training for entry-level techs; one ASE topic at a time
- ⚡ **Continuing Education** – Advanced courses to keep experienced techs current
- ⚡ **Customized Solutions** – Training tailored for shops, dealerships, and organizations
- ⚡ **Train-the-Trainer** – Preparing experienced techs to mentor and teach
- ⚡ **Online Learning** – On-demand courses, webinars, and video-based training
- ⚡ **Career Development** – Job placement support, growth tools, and scholarships

How We Teach



- ⚡ ASE Certified Instructor-led courses blending theory with application
- ⚡ Award winning curriculum: Hybrid Electric Training, Advanced Network Diagnostics
- ⚡ Hands-on workshops in controlled shop settings
- ⚡ Video and webinar training for flexible access
- ⚡ Simulated environments bridging classroom and shop using our award winning training aids. Chillinator, Hybrid Electric Cutaway, Electric Cutaway, Electric Vehicle Training Aid-EVa



**Our Training
Drives Your Future!**



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