



Our trainers are Daimler Trucks North America certified on the most up-to-date service and maintenance techniques.



Service & Maintenance Training Course Code CVM01

Overview: This course shows service technicians how to get the most out of Daimler Trucks North America service publications and software, as well as how to successfully perform some common service tasks. This Service and Maintenance course is the basic introduction to the use of the tools and techniques that are needed to diagnose and repair today's modern vehicles. By learning the correct way to approach vehicle maintenance, the student can avoid the pitfalls that can cost the technician and the dealer time and money.

What Will Be Covered

- ◆ Find VINs/SNs
- ◆ Finding information
- ◆ Suspension height
- ◆ Cab ride height
- ◆ Checking clutch adjustment
- ◆ Inspecting the driveline
- ◆ Testing the batteries
- ◆ Testing the alternator
- ◆ Foundation brakes (air)
- ◆ Checking the steering
- ◆ Hydraulic brakes
- ◆ Pre-Delivery Inspection (PDI)

Length of Course: This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

Brakes/ABS Training Course Code CVB01

Overview: This course provides students with information on air and hydraulic brake systems, including sub-systems and system components. Students learn how the system and components are designed to operate and how to troubleshoot the system. They also learn how to diagnose problems and how to make proper adjustments and repairs.

What Will Be Covered

- ◆ Hydraulic brakes fundamentals
- ◆ Hydraulic system components
- ◆ Hydraulic brakes wheel ends
- ◆ Manual parking brakes
- ◆ Air brakes fundamentals
- ◆ Air supply system
- ◆ Air delivery system
- ◆ Parking/Emergency system
- ◆ Tractor/Trailer systems
- ◆ ABS fundamentals

Length of Course: This 3-day course begins at 8:30 am and ends at 4:30 pm each day.

HVAC Training Course Code CVH01

Overview: Students learn where to find service and maintenance information as well as how to service the A/C system. They learn refrigerant recovery and recycling procedures, safety precautions, purging, flushing, evacuation, recharging and testing. They will also practice the servicing procedures in the class. This course also covers diagnostics of HVAC systems. Students will learn how to diagnose heater and A/C problems, perform heater and A/C tests, and perform service checks. They will also learn to test A/C performance, use gauges and check for system leaks. In addition, they will learn to apply system service safety precautions.

What Will Be Covered

- ♦ Heating system
- ♦ The A/C system
- ♦ Auxiliary systems
- ♦ System service
- ♦ System diagnostics
- ♦ System electrical
- ♦ Air conditioning protection and diagnostic system
- ♦ Blend air
- ♦ Performance testing

Length of Course: This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

Electrical Problem Solving Training Course Code CVE01

Overview: The Electrical Problem Solving course is designed to guide the student through a step-by-step process to learn to analyze an electrical circuit, draw a schematic diagram of the main components, determine the best test points, estimate the values that a working circuit should exhibit at those test points and determine whether the circuit is good up to the test point. By repeating parts of this procedure, any circuit can be correctly diagnosed. Students in this class practice troubleshooting real circuits on a test board, at first using the voltmeter mode of their DMM and then switching to the ohmmeter mode for circuits made up of electrical harnesses. Once the students are comfortable with the techniques and rules of diagnostics, they practice using Daimler Trucks North America software to obtain and use schematics and wiring harness drawings. Using the skills they just learned, the students then find the electrical "bugs" that the instructor has installed in the Daimler Trucks North America vehicles at the training center.

What Will Be Covered

- ♦ Circuit basics
- ♦ Digital multimeter tips
- ♦ Digital multimeter modes
- ♦ Troubleshooting tips
- ♦ Troubleshooting procedures
- ♦ Troubleshooting with a DMM
- ♦ Predicting voltmeter readings by looking at a schematic
- ♦ Using a voltmeter to test a circuit without a relay
- ♦ Relay information
- ♦ Using a voltmeter to test a circuit with a relay
- ♦ Wiring schematic comparison
- ♦ Using the ohmmeter to test resistors and diodes
- ♦ Working with connectors and wire terminals
- ♦ Using an ohmmeter to test a circuit for good connections
- ♦ Troubleshooting using a harness drawing
- ♦ Diagnosing a complex circuit
- ♦ Using an ammeter to test a circuit
- ♦ Using Freightliner resources
- ♦ Finding the correct module number for the description
- ♦ Using Parts Pro to find harness drawings and wiring schematics
- ♦ Isolating a circuit using a harness drawing
- ♦ Identifying PDM wire locations

Length of Course: This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

Note: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. Technical Advancement Center reserves the right to cancel or reschedule any class.

Electronic Systems Training Course Code CVE04

Overview: The Electronic Systems course covers state-of-the-art electronic systems and data buses used on Daimler Trucks North America brand vehicles. Students will gain an in-depth understanding of each system including: where the system and components are located, how the system and components communicate, essential troubleshooting skills, electrical diagnostics and the use of MIDs, SIDs, PIDs and FMIs for system diagnostics.

What Will Be Covered

- ♦ Course exercises
- ♦ Using Service Link to determine fault codes
- ♦ ICU3, ICU3-M2 worksheet
- ♦ ICU1, ICU2M, ICU2L
- ♦ Reading fault codes on the Freightliner Business Class M2
- ♦ Western Star Gauges
- ♦ J1939 data link connections
- ♦ Bulkhead Module (BHM)
- ♦ Smart switches
- ♦ Air Management Unit (AMU)

Length of Course:: This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

Electronic Engine Interface Training Course Code CVE02

Overview: This course covers the interface between the electronic engine and the vehicle electrical system. Students will learn how to determine the difference between an engine fault and a vehicle interface problem. Special emphasis is placed on obtaining and using product specific wiring diagrams during troubleshooting. Web based programs such as EZ Wiring, Service Lit® and Parts Pro® will also be utilized.

What Will Be Covered

- ♦ Informational diagnostics
- ♦ Diagnostic repair approach
- ♦ Electronic engine troubleshooting tips
- ♦ Drawing information review
- ♦ Truck-side controls
- ♦ Inputs and outputs (truck-side)
- ♦ Service Link diagnostics
- ♦ Determining whether fault is truck-side or engine-side
- ♦ Identifying connectors and pin/cavity locations
- ♦ Data bus diagnostics
- ♦ Data bus diagnostic and troubleshooting tips - J1587
- ♦ Data bus diagnostic and troubleshooting tips - J1939
- ♦ Shop exercises

Length of Course: This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

MBT/AGS Transmission Diagnostics and Rebuild Training Course Code CVD02

Overview: This course provides students with detailed information in the principles of operation, maintenance and practical overhaul experience of the MB Transmissions. It also includes detailed information and diagnostic practice on the AGS Transmission.

What Will Be Covered

- ♦ Basic principles of operation of the manual transmission
- ♦ Service and maintenance practices
- ♦ Location of the online literature
- ♦ Overhaul procedures and practices for the transmission
- ♦ AGS principles of operation and detailed description of components
- ♦ Troubleshooting for the manual and AGS transmissions
- ♦ Practical application of diagnostics using Service Link
- ♦ Interpretation of the electrical diagrams as applied to the AGS transmission

Length of Course: This 3-day course begins at 8:30 am and ends at 4:30 pm each day.

Automated Transmission Interface Training Course Code CVE03

Overview: This course covers the electronic interfaces between automated transmissions and the Daimler Trucks North America electrical system. Students will learn how automated transmissions function and how to troubleshoot problems. They will learn how the transmissions interface with engine and vehicle electronics using the J1939 data link.

What Will Be Covered

- ♦ Basic systems
- ♦ System design
- ♦ System operation
- ♦ System diagnostics
- ♦ Meritor ESS/Freedom Line™
- ♦ Eaton Fuller® Lightening
- ♦ Eaton Fuller® Top-2
- ♦ Eaton Fuller® Auto Select / Auto Shift
- ♦ Allison WTEC III
- ♦ MBT / AGS

Length of Course: This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

Business Class M2 Training Course Code CVQ01

Overview: This course covers familiarization with the Business Class M2 line of vehicles. Students will learn the functions, operation and troubleshooting basics for the electronically-controlled air conditioning system, the air management system and the multiplexed electrical system. Maintenance procedures for these vehicles, as well as the special servicing needs, will also be covered in this course. The student will gain a working knowledge of how to diagnose, service and repair the new Freightliner component systems that are being introduced on this vehicle.

What Will Be Covered

- ♦ Overview
- ♦ Familiarization
- ♦ Manuals
- ♦ AMU
- ♦ HVAC
- ♦ Power Distribution
- ♦ Multiplexing
- ♦ Service Link
- ♦ Parts Pro and EZ Wiring
- ♦ Troubleshooting / Diagnostics

Length of Course: This 2.5-day course begins at 8:30 am and ends at 4:30 pm each day. Last day of class ends at 12:00 pm.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

Cascadia Service and Troubleshooting Course Code CVM02

Overview: This course highlights the new systems and features of the Cascadia truck. Similarities and differences in comparison with the Columbia/Century Class are covered. The course places strong emphasis on troubleshooting exercises and developing diagnostic skills for Cascadia technicians. Program includes both classroom lectures and practical hands-on exercises.

What Will Be Covered

- ♦ Cascadia overview
- ♦ Access and use of Cascadia service information on www.accessfreightliner.com
- ♦ Power distribution system components, features and operation
- ♦ Cascadia electronic modules
- ♦ Multiplexed electrical system and communications networks
- ♦ Use of ServiceLink 4.0
- ♦ ServiceLink templates and their interface with Cascadia communications networks
- ♦ Features of the Cascadia HVAC system
- ♦ Troubleshooting application and practice

Prerequisites (Instructor Led Training)

1151 - Electrical Problem Solving attended during 2001 or later

1053 - HVAC Service & Diagnostics attended during 2002 or later

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through Total Truck Care Program:

- ♦ Cascadia: New Systems & Serviceability
- ♦ Cascadia: New Electronic Systems
- ♦ Cascadia: ServiceLink Diagnostics

If you do not have Total Truck Care website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

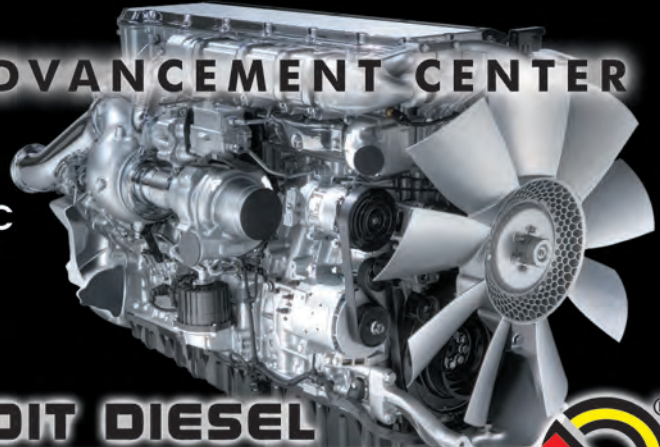
Length of Course: This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.



TECHNICAL ADVANCEMENT CENTER

Our trainers have been certified by DDC on the latest engine components and EPA regulations.



DETROIT DIESEL
CORPORATION



Series 60 EGR Major Repair v2 Course Code: CES08

Overview: This course will cover the disassembly and reassembly of the Series 60 EGR engine. Students will learn to correctly repair and overhaul engine components, perform preventive maintenance and tune-up procedures and recognize EGR components. Upon complete assembly, the engine is tuned and will perform on a fully operational engine dynamometer under normal operating conditions. Program includes both classroom lectures and practical hands-on exercises.

What Will Be Covered

- ♦ General construction and operation principles
- ♦ Fuel system
- ♦ Air system
- ♦ Lube system
- ♦ Cooling system
- ♦ Governors and other fuel control devices
- ♦ Overhaul procedures and specifications
- ♦ Tune up procedures
- ♦ Troubleshooting
- ♦ EGR components
- ♦ Preventive maintenance

Prerequisites (Web-Based Training)

Web-Based Training courses and exams completed through G2 Program:

- ♦ Product Intro - Series 60 Fuel
- ♦ Product Intro - Series 60 Tune-Up
- ♦ Product Intro - Series 60 Cooling
- ♦ Product Intro - Series 60 Air Intake
- ♦ Product Intro - Series 60 Lubrication
- ♦ Series 60 Maintenance
- ♦ DDEC Reports
- ♦ Basic Diagnostics
- ♦ Series 60 DDEC IV-V

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Note: Technicians that have taken the following combinations do not have to attend Major Repair v2.

- ♦ Pre-EGR Overhaul (1439) + '04 Update (DDC 8879) or
- ♦ Pre-EGR Overhaul (1439) + '02/'04 Update (DDC 8883) or
- ♦ Series 60 EGR Major Repair (DDC 8893)

Length of Course

This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

Series 60 EGR Diagnostics (DDEC IV/V) Course Code: DDC 8906

Overview: This course was developed with the aid of the "Series 60 EGR Technician Guide" and is designed for the advanced technician. Lecture and hands-on troubleshooting will be performed in classroom exercises and on a fully operational engine dynamometer under normal operating conditions using DDDL and troubleshooting manuals. Instructor will create real-life EGR system failures on training engine for students to diagnose using DDDL Snapshots.

What Will Be Covered

- ♦ Function of EGR components and their interdependence
- ♦ EGR operating modes
- ♦ EGR logic
- ♦ Differences between Logic, Component and Engine Protection fault codes
- ♦ VPOD system testing
- ♦ Recording, saving, playback and e-mailing DDDL Snapshots
- ♦ Review of DDDL Snapshots

Prerequisites (Instructor Led Training)

Series 60 Non-EGR Overhaul (DDC 1439) + Series 60 '02/'04 Update (DDC 8883) + DDEC III/IV/V (DDC 8880) or Series 60 EGR Major Repair (DDC 8893) + DDEC III/IV/V (DDC 8880)

Length of Course

This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

MBE 4000 EGR Major Repair v2 Course Code: CEF01 (DDC 8980)

Overview: This course will cover the disassembly and reassembly of the MBE 4000 EGR engine. Students will learn to correctly repair and overhaul engine components, perform preventive maintenance and tune-up procedures and recognize EGR components. Upon complete assembly, the engine is tuned and will perform on a fully operational engine dynamometer under normal operating conditions. Program includes both classroom lectures and practical hands-on exercises.

What Will Be Covered

- ♦ General construction and operation principles
- ♦ Fuel system
- ♦ Air system
- ♦ Lube system
- ♦ Cooling system
- ♦ Governors and other fuel control devices
- ♦ Overhaul procedures and specifications
- ♦ Tune up procedures
- ♦ Troubleshooting
- ♦ EGR components
- ♦ Preventive maintenance

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through G2 Program:

- ♦ Product Intro - MBE 4000 Fuel
- ♦ Product Intro - MBE 4000 Tune-Up
- ♦ Product Intro - MBE 4000 Cooling
- ♦ Product Intro - MBE 4000 Air Intake
- ♦ Product Intro - MBE 4000 Lubrication
- ♦ MBE 4000 Maintenance
- ♦ DDEC Reports
- ♦ Basic Diagnostics
- ♦ MBE Electronics

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Note: Technicians that have taken the following combinations do not have to attend Major Repair v2.

- ♦ Pre-EGR Overhaul (DDC 8858) + '04 Update (DDC 8884) or
- ♦ MBE 4000 EGR Major Repair (DDC 8885)

Length of Course

This 3-day course begins at 8:30 am and ends at 4:30 pm each day.

MBE 900 EGR Major Repair v2 Course Code: CEN03 (DDC 8970)

Overview: This course will cover the disassembly and reassembly of the MBE 900 EGR engine. Students will learn to correctly repair and overhaul engine components, perform preventive maintenance and tune-up procedures and recognize EGR components. Upon complete assembly, the engine is tuned and will perform on a fully operational engine dynamometer under normal operating conditions. Program includes both classroom lectures and practical hands-on exercises.

What Will Be Covered

- ◆ General construction and operation principles
- ◆ Fuel system
- ◆ Air system
- ◆ Lube system
- ◆ Cooling system
- ◆ Governors and other fuel control devices
- ◆ Overhaul procedures and specifications
- ◆ Tune up procedures
- ◆ Troubleshooting
- ◆ EGR components
- ◆ Preventive maintenance

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through G2 Program:

- ◆ Product Intro - MBE 900 Fuel
- ◆ Product Intro - MBE 900 Tune-Up
- ◆ Product Intro - MBE 900 Cooling
- ◆ Product Intro - MBE 900 Air Intake
- ◆ Product Intro - MBE 900 Lubrication
- ◆ MBE 900 Maintenance
- ◆ DDEC Reports
- ◆ Basic Diagnostics
- ◆ MBE Electronics

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Note: Technicians that have taken the following combinations do not have to attend Major Repair v2.

- ◆ Pre-EGR Overhaul (DDC 8859) + '04 Update (DDC 8889) or
- ◆ MBE 900 EGR Major Repair (DDC 8886)

Length of Course

This 3-day course begins at 8:30 am and ends at 4:30 pm each day

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

DD15 Major Repair Course Code: CEP01 (DDC 8950)

Overview: This course will cover the disassembly and reassembly of the DD15 engine with emphasis on the air, coolant, lube and fuel systems. The course will also include special tools to be used and a basic diagnostic overview of the high pressure common rail fuel system. During reassembly, students will learn how to properly set up the gear train and gear lash as well as setting the valve and jake brake lashes. Upon complete assembly, the engine is tuned and will perform on a fully operational engine dynamometer under normal operating conditions. Program includes both classroom lectures and practical hands-on exercises.

What Will Be Covered

- ♦ General construction and operation principles
- ♦ New tooling
- ♦ System components and functions
- ♦ Common rail fuel system overview
- ♦ Fuel system flow and basic diagnostics
- ♦ Engine overhaul procedures and specifications
- ♦ DDEC VI electronics
- ♦ Tune up procedures
- ♦ Preventive maintenance

Prerequisites (Instructor Led Training)
2007 Product Update (DDC 8925)

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through G2 Program:

- ♦ Product Intro - DD15 Base Engine
- ♦ Product Intro - DD15 Fuel
- ♦ Product Intro - DD15 Tune-Up
- ♦ Product Intro - DD15 Cooling
- ♦ Product Intro - DD15 Air System
- ♦ Product Intro - DD15 Lubrication
- ♦ DD15 Maintenance
- ♦ DDEC VI
- ♦ DDEC Reports
- ♦ 2007 Aftertreatment System
- ♦ 2007 Basic Diagnostics

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Length of Course

This 5-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

DD15 Engine Diagnostics Course Code: CEP02

Overview: This course is designed to give students a review of the DD15 engine component and sub-system relations. Students will interpret and analyze diagnostic overviews of the EGR system using DDDL along with diagnosing real work failure modes on the engine. Performance and symptom based diagnostics will include learning and understanding the fuel system schematic, flow and pressures. Program includes both classroom lectures and practical hands-on troubleshooting using the latest tools and software.

What Will Be Covered

- ◆ EGR system operation, codes and diagnostics
- ◆ Fuel system components and failure modes
- ◆ Fuel schematic interpretation to pressure readings
- ◆ Aftertreatment operation, codes and diagnostics
- ◆ Regeneration process and strategies
- ◆ MCM / CPC operation and parameterization
- ◆ Engine wiring schematic review and exercises
- ◆ Vehicle related electronics
- ◆ Understanding multiplexing systems

Prerequisites (Instructor Led Training)

CEP01 - DD15 Major Repair

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through G2 Program:

- ◆ Product Intro - DD15 Base Engine
- ◆ Product Intro - DD15 Fuel
- ◆ Product Intro - DD15 Tune-Up
- ◆ Product Intro - DD15 Cooling
- ◆ Product Intro - DD15 Air System
- ◆ Product Intro - DD15 Lubrication
- ◆ DD15 Maintenance
- ◆ DDEC VI
- ◆ DDEC Reports
- ◆ 2007 Aftertreatment System
- ◆ 2007 Basic Diagnostics

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Length of Course

This 5-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

2007 Product Update Course Code: CEU01 (DDC 8925)

Overview

This course provides technicians with detailed information regarding the changes in the operation, control, maintenance and repair of the EPA '07 engines. Program includes both classroom lectures and practical hands-on exercises. This course will include coverage of all three product lines. (Series 60 / MBE 900 / MBE 4000)

What Will Be Covered

- ◆ Maintenance procedures and changes
- ◆ Advanced diagnostic software DDDL 7.0
- ◆ DDEC VI electronics
- ◆ After treatment system review and troubleshooting exercises
- ◆ New tooling
- ◆ ULSD fuel / CJ-4 oil
- ◆ Components review
- ◆ Systems review

Prerequisites (Instructor Led Training)

EPA '04 certified for at least one engine - Series 60, MBE 900 or MBE 4000

Prerequisites (Web-Based Training)

Web-Based training courses and exams completed through G2 Program:

- ◆ 2007 Basic Diagnostics
- ◆ 2007 Aftertreatment System
- ◆ 2007 MBE 4000 Engine Update
- ◆ 2007 MBE 900 Engine Update
- ◆ 2007 Series 60 Engine Update

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Length of Course

This 4-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

EPA '04 Engine Diagnostics Course Code: CED01

Overview: This course is designed to give students a practical and comprehensive look at all phases of the troubleshooting process for Detroit Diesel and Mercedes Benz electronics. Students will learn to effectively gather and assess preliminary information prior to beginning the diagnostic process and therefore develop an effective methodology by examining real life cases in an interactive dialog format. Program includes both classroom lectures and practical hands-on troubleshooting of faults using the latest electronic tools.

What Will Be Covered

- ♦ Pre-2007 engine platforms - Series 60, MBE 900 & MBE 4000
- ♦ Utilizing available resources - DDCSN website
- ♦ Basic electrical theory, concepts and tools
- ♦ Practical problem solving using snap shot data
- ♦ Practical problem solving methods to examine fuel economy issues
- ♦ Practical problem solving for issues related to incorrect parameter settings
- ♦ Understanding cylinder misfire diagnostics using electronic tools
- ♦ Reading and interpreting wiring schematics and diagrams

Prerequisites (Instructor Led & Web-Based Training)

Series 60 Major Repair Instructor Led class and the following Web-Based Training courses and exams through G2 Program:

- ♦ Product Intro - Series 60 Fuel
- ♦ Product Intro - Series 60 Tune-Up
- ♦ Product Intro - Series 60 Cooling
- ♦ Product Intro - Series 60 Air Intake
- ♦ Product Intro - Series 60 Lubrication
- ♦ Series 60 Maintenance
- ♦ Series 60 DDEC IV-V
- ♦ DDEC Reports
- ♦ Basic Diagnostics

OR

MBE 4000 Major Repair Instructor Led class and the following Web-Based Training courses and exams through G2 Program:

- ♦ Product Intro - MBE 4000 Fuel
- ♦ Product Intro - MBE 4000 Tune-Up
- ♦ Product Intro - MBE 4000 Cooling
- ♦ Product Intro - MBE 4000 Air Intake
- ♦ Product Intro - MBE 4000 Lubrication
- ♦ MBE 4000 Maintenance
- ♦ MBE Electronics
- ♦ DDEC Reports
- ♦ Basic Diagnostics

OR

MBE 900 Major Repair Instructor Led class and the following Web-Based Training courses and exams through G2 Program:

- ♦ Product Intro - MBE 900 Fuel
- ♦ Product Intro - MBE 900 Tune-Up
- ♦ Product Intro - MBE 900 Cooling
- ♦ Product Intro - MBE 900 Air Intake
- ♦ Product Intro - MBE 900 Lubrication
- ♦ MBE 900 Maintenance
- ♦ MBE Electronics
- ♦ DDEC Reports
- ♦ Basic Diagnostics

If you do not have G2 website access, please contact Service Training Academy Headquarters at (866) 851-9829 for enrollment or purchase of the required CD's and exams.

Length of Course

This 5-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. The Technical Advancement Center reserves the right to cancel or reschedule any class.

TAC TECHNICAL ADVANCEMENT CENTER

Get to know the complete ins and outs of bus maintenance, electrical schematics and diagnostic software.



Saf-T-Liner C2 Familiarization & Multiplexing Course Code TB8050

Overview: During this course, students will learn component locations for and operation of pneumatic, hydraulic, and electrical systems. An overview of the manufacturing process and body repair techniques will be discussed as well as maintenance requirements for the body and chassis. Students will learn to access and utilize all electronic resources available from Daimler Trucks North America and Thomas Built Bus.

Students will learn the design and operation of multiplexed systems. They will learn the functions, operation and troubleshooting basics for the electronically-controlled air conditioning system, the air management system and the multiplexed electrical system. The student will gain a working knowledge of how to diagnose, service and repair the new Freightliner and Thomas Built Bus component systems that are being introduced on this vehicle.

What Will Be Covered

- ◆ Learn function and location of major electrical components
- ◆ Learn to read and use electronic information
- ◆ Use printed and internet formatted schematics for troubleshooting during exercises
- ◆ System diagnostics
- ◆ System electrical
- ◆ Working with connectors and wire terminals
- ◆ Isolating a circuit using a harness drawing
- ◆ Identifying PDM wire locations
- ◆ AMU
- ◆ HVAC
- ◆ Power Distribution
- ◆ Multiplexing

Length of Course: This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

Service Link for Saf-T-Liner C2 Course Code TB8051

Overview: Students will learn to diagnose electrical issues utilizing Service Link diagnostic software and will also learn to read and interpret Saf-T-Liner C2 electrical schematics, diagrams and drawings for Daimler Trucks North America and Thomas Built Bus.

Prerequisites: TB8050 Saf-T-Liner C2 Familiarization & Multiplexing

What Will Be Covered

- ♦ Learn the component relationships for system operation
- ♦ Learn to read and use electronic information
- ♦ Utilize ICU dash for fault code retrieval
- ♦ Use printed and internet formatted schematics for troubleshooting during exercises
- ♦ Use Service Link to "hands-on" troubleshoot electrical and component failures
- ♦ Use Service Link to add aftermarket options / features
- ♦ Troubleshooting using bus symptoms, ICU, Service Solutions and schematics.

Length of Course: This 2-day course begins at 8:30 am and ends at 4:30 pm each day.

NOTE: Due to the demand for training in certain classes, training dates may be added or cancelled without notice. Please check the schedule or contact us to ensure that the training date you require is still available before submitting an application. Technical Advancement Center reserves the right to cancel or reschedule any class.