500 Fleet Training Series (2019 Offerings)

510 – Bus Manufacturer

511 School Bus - International - Take an in-depth look at the multiplex systems of IC school buses. This course will examine bus body electrical modules, chassis diagnostics and navigating the online service manual On-command. Also, covering engine diagnostics with NED, HERO, and DLB. To include new systems like Traction control and collision mitigation. May even touch on the PSI propane system and troubleshooting tips.

512 School Bus - Thomas - Take an in-depth look at the multiplex wiring of Thomas C2 buses. This hands-on course will teach participants diagnostic and repair strategies, how to navigate Access Freightliner, how to set up and use ServiceLink, and how to read Freightliner schematics. New Detroit diesel, Online service/part manuals. Traction control and new technologies.

514 Bus Parts - International - Parts specialists welcome! McCandless and International will present on the ins-and-outs of their parts ordering systems. Learn how to properly look-up and order parts as well as use of online parts search and ordering.

515 Bus Parts – Thomas - Parts specialists welcome! Midwest Bus and Thomas will present on the ins-and-outs of their parts ordering systems. Learn how to properly look-up and order parts as well as use of online parts search and ordering.

520 – Engine

524 Propane - Roush - Learn about the fuel system for Roush propane systems on Blue Bird buses. Includes propane properties, safety, fuel system components, diagnostic tools, and vehicle walk-around. Discuss common problems with the propane system and learn how to diagnose and repair them.

525 Lubricants and Fuel – Learn about the principles of oil, lubricants, and grease. Understanding proper application of lubricants and industry-leading best practices can make a difference in the reliability and efficiency of fleet vehicles. Clean diesel fuel management.

528 Oil Analysis - Accurately read and analyze oil samples. What to do with samples. How to properly take samples

530 – Electrical/Electronics


540 – Drivetrain

541 Transmissions – Allison - This course on Allison Transmissions will include strategies to diagnose and troubleshoot Allison 1000, 2000, and 3000 series transmissions; use and implementation of prognostics and fuel sense; and how to navigate Allison Doc. This class will get into common problems with school bus transmissions and hands-on repairs.
Wheel Ends – This course will discuss the proper inspection and maintenance of king pins and wheel ends.

Driveline - Failure Analysis Training, Lubrication Techniques, Driveline Angles and Vibration Problems, Critical Speed Training, Safety Discussion

550 – Brakes

Air Foundation Brake - This course will cover foundation brakes in the air brake system. We will discuss brake performance, failures, industry problems and solutions, and the future changes that will impact your fleet. Course includes a Brake certification upon completion.

Air Disc Brake - Air disc brake systems troubleshooting, inspection, and adjustments.

560 – Special Equipment

Wheelchair lift - Braun - Diagnose and trouble-shoot practical problems with Braun Millenial Wheelchair lifts while discussing correct maintenance procedures and how to make necessary adjustments.

Wheelchair lift - Ricon - Diagnose and trouble-shoot practical problems with Ricon wheelchair lifts while discussing correct maintenance procedures and how to make necessary adjustments.

Air conditioning - School bus air conditioning operation, maintenance, and troubleshooting

570 – Fleet skills

Seat Repair - Hands-on repair of school bus seats. Learn how to properly use the right tools for the job and make professional repairs to seats.

Fleet leadership - School Transportation Fleet Management, The long road to success. The class will focus on one man’s 40 year travels through school districts, what tools you should put in your toolbox along the way.

590 - CDE Certifications

CDE Annual Inspector preparation for certification - This is the opportunity to prepare to get certified as a CDE Annual Inspector. This class will cover the requirements to be a CDE inspector, opportunity to take the CDE inspector written test and practice taking the Hands-on test portion of the CDE certification. By the end of this class, the attendee will have all the necessary information and direction on how to become a CDE Annual Inspector. This is not a CDE certification class - only preparation for CDE certification.

CDE Hands-on tester certification/recertification - This classroom and hands-on session is for new Annual Inspector Hands-On Tester applicants that want to qualify as a CDE Annual Inspector Hands-On Tester, and current CDE Annual Inspector Hands-On Testers that have not completed two hands-on tests over the past three years and want to attain recertification. A minimum of two years of CDE Annual Inspector experience is required for new applicants to
take this class to become a CDE Annual Inspector Hands-On Tester. A 4-hour brake class must be documented every three years or a current ASE for air brakes must be maintained.