

2022 Technicians Workshop

Class Descriptions

08-01 Thomas Chassis/Body

This class is primarily dedicated to the familiarization of the today's more advanced chassis and body, chassis electronics and the multiplex wiring system used on Thomas's conventional bus. Additionally, a fundamental understanding of today's more advanced EPA engines and their critical maintenance requirements. The instructor will also cover the DD5 and DD8 engines in their presentation. This will be a classroom as well as a hands-on presentation. This is an 8-hour class that will be offered Monday and Tuesday.

Note: Wednesday's class will be a summarized version of the 8-hour class and will be more of an overview rather than in-depth presentation. It will a 4-hour class.

08-02 Blue Bird Chassis/Body

The class is hosted by Yancey Bus Sales and Service. The class will cover the multiplex wiring and electrical systems. It will focus on familiarizing the technician with the operation and troubleshooting of these functions. The instructor will cover HVAC systems on the Blue Bird bus as well as fire suppression maintenance. This will be a classroom as well as a hands-on presentation. This is an 8-hour class that will be offered Monday and Tuesday.

Note: Wednesday's class will be a summarized version of the 8-hour class and will be more of an overview rather than an in-depth presentation. This is a 4-hour class.

08-03 IC Bus Chassis/Body

This class is hosted by Rush Truck Center of Atlanta. The class will focus on the wiring and electrical systems of the IC Bus. It will focus on diagnostics and troubleshooting. It will cover critical components of the bus and cover PSI engines. This will be a classroom as well as a hands-on presentation. This is an 8-hour class that will be offered Monday and Tuesday.

Note: Wednesday's class will be a summarized version of the 8-hour class and will be more of an overview rather than an in-depth presentation. This is a 4-hour class.

08-04 GAPT Inspector/Program Managers Certification Class

This class will have 2 components due to delays in our instruction over the past 2 years.

First:

There will be an emphasis and priority for those technicians that had previously taken the class and passed the examination but have not completed the Hands-on portion of the certification process. Those individuals should register for this class and will be given a review of the curriculum and will also be assigned a time for completing the hands-on portion.

Note:

Attendees should likewise choose classes for Tuesday and Wednesday. These individuals should bring their manual they received at the previous class that will serve as a resource during the workshop.

Second:

This class will be for those individuals who inspect buses daily or oversee the inspection process. Monday will be a classroom instruction/training and a review of the inspection process. Individuals that enroll in this class will be emailed a copy of the manual. **They should print out this manual and bring a copy with them.** This manual will serve as a guide and resource during the instruction. (Individuals may download to a laptop as an option to a printed copy) **The attendees should read the manual and be familiar with its contents prior to Monday's session.** At the end of the day, they will be taking the exam. Those students that demonstrate a minimum score of 80% will be assigned a hands-on inspection time that will occur Tuesday or Wednesday. Individuals seeking the Manager's Certification are exempt from the hands-on portion but must have a minimum score of 80% on the exam.

Note:

This is a change from previous classes and will give the attendees the opportunity to attend additional sessions on Tuesday and Wednesday. During the registration process these individuals must choose classes for Tuesday and Wednesday as well.

04-04 Cummins Advanced Class

In depth overview of the operation and functions of the Cummins diesel exhaust aftertreatment system used on 2007-present diesel engines. In depth review of SCR (selective catalyst reductant) system used on Cummins diesel engines 2010-present. Includes maintenance of the system. Description of which parts of the system are supplied by Cummins and which parts are supplied by the OEM. Basic troubleshooting of the system and maintenance considerations. This class will include discussion of the engine operation for aftertreatment regeneration. Operation of the turbocharger and EGR system during regeneration will be covered. Basic troubleshooting will also be included.

04-05 Wheelchair Lift Maintenance/Diagnostics

This session is designed to assist the technician in the maintenance and upkeep of the wheelchair lift. Instruction will cover the electrical and hydraulic troubleshooting of the lift.

04-06 Bendix

This class will cover several Bendix Products.

The focus will be on the Collision Avoidance systems that are standard on many buses as well as the optional more active systems available. It will also include instruction on the **Intellipark** systems and Air Disc Brakes.

04-07 ROUSH CleanTech Engines

This class will cover the propane and gas offerings by ROUSH.

It will cover an overview of these platforms as well as basic troubleshooting and diagnostic topics.

04-08 STEMCO

This is a hands-on demonstration of installation and maintenance.

They will evaluate the wheel end, disassemble, component inspection, clean up and component handling, axle and hub inspection and repair, tool selection, seal and bearing installation, hub assembly, and bearing adjustment.

04-09 NAPA Integrated Business Solutions

This class will focus on the many options available for districts to partner with Napa. They will cover parts management and other training topics provided by Napa.

04-10 FireGator

This is a new class covering FireGator Fire Suppression.

The session will introduce participants to the basic platform and operation of the FireGator product. It will also cover basic troubleshooting and annual inspections/certification process.