2020 Technician’s Workshop

GAPT Inspector /Program Managers Certification Class (24-01) - This is a full week program that will enable the participant to be fully certified as a School Bus Inspector and/or Program Manager. This is a continuation of the initiative undertaken by GAPT at their annual conference each year. This will involve classroom instruction/training, testing, and hands on demonstration of the inspection protocols. (Monday, Tuesday, and Wednesday)

Thomas Chassis/Body (08-01) – The class will be primarily dedicated to the familiarization of 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 will be discussed along with some hands-on troubleshooting and Thomas Built Bus HVAC maintenance. Familiarizing logging onto the Tomas Built Bus Portal (for parts and wiring information). Time will be divided between shop and classroom.

Blue Bird Chassis/Body (08-02) The class is hosted by Yancey Bus Sales and Service. The first half of 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 second half of the class will be devoted to the engine and its components. The focus will be on aftertreatment. This is just an overview of the many topics that will be covered. Instruction will be divided between classroom and shop.

IC School Bus Advanced/Chassis-Body-Engine with Hands on Diagnostics and Troubleshooting (08-03) – This class is hosted by Rush Truck Center of Atlanta. This class will be hands on advance diagnosing of the IC products. Technicians will learn the procedures on specific problems by using diagnostic tools Diamond Logic Builder, ISIS and ServiceMaxx. This will include issues such as a hard start/no start, communication problems, sensor issues, with or without diagnostic codes. Focus will be placed on new gasoline products. Instruction will be split between classroom and shop.

Technician Competition-(08-04)-This class is for those technicians that have qualified through the RESA Competition and have been notified by GaDOE Pupil Transportation Personnel. This will include the top 2 technicians from each RESA Competition, at large positions, and 2019 Technician of the Year.

Detroit Diesel DD5/DD8 Engine (04-02) – This class is hosted by W.W. Williams. This class will cover the basic troubleshooting and maintenance of the new Detroit Engine(s) that is being released.

GAPT Inspector/Program Manager Recertification (04-03) - This class is targeted to those technicians that were certified in the past 5 years. It will provide updates to Federal and State Inspection Protocols. This is a 4-hour class and will fit within our upcoming initiative of having all technicians and program managers certified/recertified every 3 years.

Cummins Advanced Class – (04-04) - 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.

Wheelchair Lift Maintenance/Diagnostics (04-05) - This session is designed to assist the technician in the maintenance and upkeep of wheelchair lifts. Classroom instruction will cover the electrical and hydraulic troubleshooting of the lift.

Fire Suppression/Water-based Solutions (02-01) – This class is hosted by FogMaker. It will be an introduction to a new option in fire suppression systems. This is a water-based solution that is now available in Georgia.

REI (02-02) – Correct installation of DVR and Cameras, which includes wiring, camera aiming, and programming of the DVR. Monthly maintenance to ensure optimization and correct operation of the equipment. Trouble shooting for equipment and working with our 24 hour a day, 7 day a week Tech Support Department. Basic equipment setup and maintenance for Wi-Fi and cellular video management systems.

Bus Video System, Maintenance and Troubleshooting (02-03) – Hosted by 247 Security. This class will focus on: Proper installation, including wiring connections, camera aiming, DVR set up. Problem diagnosis and performing certain maintenance to optimize performance and insure reliability, of 247 Security’s 50X, 51X 600 and Zeus series digital audio/visual cameras and DVR’s. Basic equipment setup and maintenance for wireless video management systems.
Managing the DPF, Catalysts and CSR Costs (02-04) – This session provides an overview of DPF, Catalyst and SCR systems, troubleshooting tips, common problems, as well as DPF cleaning and preventative maintenance recommendations. This seminar will cover EPA 2007-2009 and EPA 2010+ certified on-road diesel engine after treatment systems, an integral part of the modern diesel engine. This class will help equip participants with and advanced understanding of aftertreatment technology so that they can avoid costly maintenance mistakes and correctly identify and address exhaust issues. Road Warrior.

Shop Safety and Risk Management (02-05) - This session is presented by GSBA and is targeted to all shops. This will include overall shop safety as well as how to minimize Risks that are present in all shop locations. It is recommended that at least one person per district attend this session.

Wheel End Training, King Pin and Spring Replacement and Foundation Brake Training (02-06) - This class is hosted by STEMCO Brake Products. Participants 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, bearing adjustment. This is a hands-on demonstration of installation and maintenance.

AngelTrax Video Systems (02-07) - This class will focus on: Proper installation, including wiring connections, camera aiming, DVR set up. Problem diagnosis and performing certain maintenance to optimize performance and insure reliability of your AngelTrax Products.