



2011 Regional Training Class Schedule Bradenton, FL



Class #	Class Title	Start Date	End Date	Location,	Class Cost	Class Hours
2011BF1	Chassis Electrical	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF2	Preventive Maintenance	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF3	CAFS / Husky Maintenance	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF4	Command Zone™ Rev. D	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF5	TAK-4 Maintenance	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF6	Aerial Maintenance	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF7	Air Brakes, ESC, ABS Troubleshooting	3/7/11	3/8/11	Florida	\$500	7:30 to 3:00
2011BF8	Chassis Electrical	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF9	Command Zone™ Rev. D	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF10	TAK-4	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF11	Air Brakes, ESC, ABS Troubleshooting	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF12	Preventive Maintenance	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF13	Aerial Maintenance	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF14	All Wheel Steer Maintenance	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF15	CAFS / Husky Maintenance	3/9/11	3/10/11	Florida	\$500	7:30 to 3:00
2011BF16	Air Conditioning Maintenance	3/11/11	3/11/11	Florida	\$250	7:30 to 3:00
2011BF17	PUC Maintenance	3/11/11	3/11/11	Florida	\$250	7:30 to 3:00
2011BF18	Medtec Maintenance	3/11/11	3/11/11	Florida	\$250	7:30 to 3:00

**Classes will be held at the; Manatee Convention Center
One Haben Boulevard, Palmetto, Florida 34221**

Class Descriptions:

Aerial Maintenance:

This course is designed to instruct mechanics on the repair and maintenance of the Pierce Aerial ladders and platforms. The class will cover the following concepts:

- ~ Pierce aerial electrical system
- ~ Pierce aerial hydraulic system
- ~ System component identification and functions
- ~ Primary fifty (50) and four hundred (400) hour inspections
- ~ Pierce multiplexed aerial components and functions
- ~ Purpose and use of multiplexed aerial Input/Output (I/O) sheets

The class will also include lecture, demonstration and hands on instruction

***Pre-requisite:** Participants maintaining Pierce multiplexed aerials should be familiar with multiplex components and terminology (or have attended the chassis multiplex class).

Chassis Electrical:

This is an introductory course dealing with the basic (non-multiplex) Pierce electrical system found on Quantum[®], Saber[®] and Arrow XT[™] vehicles. The class is structured to cover location and function of major electrical components used on these vehicles. The following topics will be covered:

- ~ Battery & charging systems
- ~ Pierce electrical system wiring diagrams, schematics & layouts
- ~ Crimping
- ~ Power distribution location and harness routing
- ~ PMC II & PMC III (Pierce Micro Controller) troubleshooting
- ~ Engine control DDC, Cummins or CAT
- ~ World transmission
- ~ Anti-lock Braking System (ABS)
- ~ Pressure Governor

The class will also include lecture, demonstration and hands on instruction

CAFS & Husky[®] Foam System Maintenance:

This course is designed to instruct the mechanic on the basic repairs and maintenance of the Husky[®] & CAFS systems. Model specific electrical and hydraulic systems will also be covered.

The class will also include lecture, demonstration and hands on instruction

Command Zone[™]

This course will provide instruction on the following concepts:

- ~ Command Zone[™] Rev. D system terminology
- ~ Why specific components are used
- ~ Component locations and their functions
- ~ Purpose and use of an Input/Output (I/O) sheet
- ~ Explanation of interlock functions
- ~ Instructions on the use of Command Zone[™] software
- ~ Suggested test equipment and spare parts lists.

Participants will have the opportunity to hands on troubleshoot and repair faults that have been inserted in new vehicles. Each student will leave the class with a complete understanding of the Command Zone[™] multiplex system, along with copies of all training documentation for future reference.

TAK-4 Independent Front Suspension Maintenance:

This course is designed to instruct the technician on the basic principles of our exclusive TAK-4[®] Independent Front Suspension system and the proper maintenance, troubleshooting and repair procedures.

The class will also include lecture, demonstration and hands on instruction with an actual TAK-4[®] axle assembly.

PUC Troubleshooting and Repair

This course is designed to instruct the mechanic on the basic principles of operation, maintenance and complete disassembly of the Repto Driven water pump that is designed by Pierce. We will encourage hands on participation with the tear down and assembly of the pump.

The class will also include lecture, demonstration and hands on instruction

Pierce Air Condition System

This 8 hour course is designed to instruct the mechanic on the basic repairs and maintenance needs of the air conditioning systems. The class will cover the following concepts;

- ~ Fundamentals of the air conditions systems
- ~ Proper System Charging and evacuation
- ~ Detailed troubleshooting of the Pierce installed components

Student will be offered the opportunity to get their **air conditioning certification** which falls under Section 608 of the Clean Air Act at the end of the class.

This class will be tailored to the Service Technicians.

Medtec

This course will cover training in Medtec's basic electrical system, V-Mux systems, Air Conditioning and troubleshooting along with the component locations.

Preventive Maintenance

This is a (2) day course covering Preventive Maintenance on a Pumper from bumper to bumper; this course will be based off NFPA & DOT guild lines for PM & Annual Inspections. The following sections will be covered.

- ~ Front & rear suspensions
- ~ Cab & cab tilt systems
- ~ Driveline
- ~ Water pump & foam systems
- ~ Body

Air Brakes, ESC, ABS Troubleshooting

This course is designed to instruct the mechanic on the basic repairs and maintenance of chassis Air Brake system. Items covered in the course are;

- ~ Air Brake System Operational Overview
- ~ Brake Valve Descriptions & Troubleshooting
- ~ Air Dryer Maintenance & Troubleshooting
- ~ Brake System Testing
- ~ ABS System Overview & Troubleshooting
- ~ ESC & RSC System Overview and Calibration
- ~ Service & Parking Brake System Overview