2012 Regional Training Class Schedule

Palmetto, FL

Revised 2/7/2012

Class #	Class Title	Start Date	End Date	City	State	Cost
2012BF1	Chassis Electrical	3/12/12	3/13/12	Palmetto	Florida	$500.
2012BF2	CAFS/Husky® Maintenance	3/12/12	3/13/12	Palmetto	Florida	$500.
2012BF4 *	Command Zone II™	3/12/12	3/13/12	Palmetto	Florida	$500.
2012BF17	Air Brakes, ESC, ABS Troubleshooting	3/12/12	3/13/12	Palmetto	Florida	$500.
2012BF6 *	Aerial Maintenance	3/12/12	3/13/12	Palmetto	Florida	$500.
2012BF7 *	SRP/Frontal Protection Repair	3/14/12	3/15/12	Palmetto	Florida	$500.
2012BF8	Chassis Electrical	3/14/12	3/15/12	Palmetto	Florida	$500.
2012BF9 *	Command Zone II™	3/14/12	3/15/12	Palmetto	Florida	$500.
2012BF10	TAK-4® Maintenance	3/14/12	3/15/12	Palmetto	Florida	$500.
2012BF12	Preventive Maintenance	3/14/12	3/15/12	Palmetto	Florida	$500.
2012BF14	Air Conditioning Maintenance	3/16/12	3/16/12	Palmetto	Florida	$250.
2012BF15	PUC Repair & Maintenance	3/16/12	3/16/12	Palmetto	Florida	$250.
2012BF16	MEDTEC™ Ambulance Maintenance	3/16/12	3/16/12	Palmetto	Florida	$250.

*** Pre-Requisite** See Course Descriptions Below

Classes will be 8:00 to 3:30 each day at:

Manatee Convention Center
One Haben Boulevard, Palmetto, Florida 34221

Class Descriptions

AERIAL MAINTENANCE 2 Day Class

***Must Complete Command Zone II Class First**

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.

CHASSIS ELECTRICAL 2 Day Class

This is an introductory course dealing with the basic (non-multiplex) Pierce® electrical system found on the Saber® and Arrow XT™ Chassis. 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 2 Day Class

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 II™ 2 Day Class

***Must Complete Chassis Electrical Class First**

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 troubleshoot and repair faults hands-on 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 2 Day Class

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 1 Day Class

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.

MEDTEC™ MAINTENANCE & TROUBLESHOOTING 1 Day Class

This course will cover MEDTEC™ basic electrical systems, V-Mux systems, Air Conditioning and troubleshooting, as well as component locations.

AIR BRAKES, ESC & ABS TROUBLESHOOTING 2 Day Class

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:

- Brake Valve Descriptions & Troubleshooting
- Brake System Testing
- ABS System Overview & Troubleshooting
- ESC & RSC System Overview and Calibration

PIERCE® HVAC SYSTEM 1 Day Class

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

PREVENTIVE MAINTENANCE 2 Day Class

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

SRP & FRONTAL AIR BAG TRAINING 2 Day Class

* This is a very detailed class covering the installation, repair and troubleshooting of the SRP/FIP system. This class is open to both Pierce Dealers & Customers but the student must have proof of completion of the Pierce Chassis Electrical Class prior to attending this class.

Items covered in the class are:

- How the SRP & Frontal Protection system operates.
- Differences between the first generation of the Pierce SRP/FIP system and the current AB10 System.
- Proper replacement of parts.
- Safety concerns and safe handling of the parts.
- Component location and function.
- Proper troubleshooting.
- Use of troubleshooting tools.

The final part of the class will include an Exam, which will require a passing grade to certify the student. Only Pierce certified students will be allowed to work on the SRP & Frontal Systems in the field.