



## 2012 Regional Training Class Schedule

### Las Vegas, NV



Class #	Class Title	Start Date	End Date	Location,	Class Cost	Class Hours
2012LV1	Chassis Electrical	4/16/12	4/17/12	Las Vegas,	\$500	7:30 to 3:00
2012LV2	Preventive Maintenance	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV3	CAFS/Husky® Maintenance	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV4 *	Command Zone™ Rev. D	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV5	TAK-4® Maintenance	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV6 *	Aerial Maintenance	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV7	Air Brakes, ESC, ABS Troubleshooting	4/16/12	4/17/12	Las Vegas	\$500	7:30 to 3:00
2012LV8	Chassis Electrical	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV9 *	Command Zone™ Rev. D	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV10 *	SRP/Frontal Protection Repair	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV11	Preventive Maintenance	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV12 *	Aerial Maintenance	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV13	CAFS/Husky® Maintenance	4/18/12	4/19/12	Las Vegas	\$500	7:30 to 3:00
2012LV14	Air Conditioning Maintenance	4/20/12	4/20/12	Las Vegas	\$250	7:30 to 3:00
2012LV15	PUC Maintenance	4/20/12	4/20/12	Las Vegas	\$250	7:30 to 3:00

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

**Classes will be held at:**

**Cashman Center  
850 Las Vegas Blvd N.  
Las Vegas, NV 89101**

## **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.