



2012 Regional Training Class Schedule

San Diego, CA



Class #	Class Title	Start Date	End Date	Location,	Class Cost	Class Hours
2012SD1	Chassis Electrical	3/5/12	3/6/12	San Diego, CA	\$500.	7:30 to 3:30
2012SD2	TAK-4 [®] Maintenance	3/5/12	3/6/12	San Diego, CA	\$500.	7:30 to 3:30
2012SD3	*Command Zone II [™]	3/7/12	3/8/12	San Diego, CA	\$500.	7:30 to 3:30
2012SD4	*Aerial Maintenance	3/7/12	3/8/12	San Diego, CA	\$500.	7:30 to 3:30
2012SD5	*SRP/Frontal Protection	3/7/12	3/8/12	San Diego, CA	\$500.	7:30 to 3:30
2012SD6	HVAC Maintenance	3/9/12	3/9/12	San Diego, CA	\$250.	7:30 to 3:30

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

Classes will be 7:30 to 3:30 each day at:

**San Diego Fire-Rescue
4347 North Harbor Drive
San Diego, CA 92101
(619) 692-4980**

Register Online at:

<http://pierce.wisc-online.com/ClassRegWelcome.asp>

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.

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.

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

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.