



## 2009 Regional Training Class Schedule

### Las Vegas, NV



Class #	Class Title	Start Date	End Date	Location,	Class Cost	Class Size	Class Hours
2009LV1	Chassis Electrical	2/23/09	2/24/09	Las Vegas,	\$500	15	7:30 to 3:30
2009LV2	*Aerial Maintenance	2/23/09	2/24/09	Las Vegas	\$500	15	7:30 to 3:30
2009LV4	Husky Maintenance	2/23/09	2/24/09	Las Vegas	\$500	15	7:30 to 3:30
2009LV5	PM Maintenance	2/25/09	2/26/09	Las Vegas	\$500	20	7:30 to 3:30
2009LV6	Command Zone™ Rev. D	2/25/09	2/26/09	Las Vegas	\$500	15	7:30 to 3:30
2009LV7	Chassis Electrical	2/25/09	2/26/09	Las Vegas	\$500	15	7:30 to 3:30
2009LV8	Air Conditioning	2/27/09	2/27/09	Las Vegas	\$250	15	7:30 to 3:30
2009LV9	PUC Maintenance & Repair	2/27/09	2/27/09	Las Vegas	\$250	15	7:30 to 3:30
2009LV10	Medtec Maintenance & Repair	2/27/09	2/27/09	Las Vegas	\$250	15	7:30 to 3:30
2009LV11	TAK-4	2/27/09	2/27/09	Las Vegas	\$250	15	7:30 to 3:30

Classes will be held at the City of Las Vegas Training Facility 633 North Mojave Rd. Las Vegas, NV. Questions pertaining to this training should be directed to Dan Bailey at [d Bailey@piercemfg.com](mailto:d Bailey@piercemfg.com) or (920) 832-3168.

**A Special Thanks to The City of Las Vegas Fire Department for the Use of their Training Facility and Commitment in Furthering Education**

# 2009 Las Vegas, NV Training Registration Form

DATE –

CLASS NUMBER –

CLASS TITLE –

CLASS START DATE –

STUDENT NAME \_\_\_\_\_

FIRE DEPARTMENT

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY/STATE/ZIP \_\_\_\_\_

TELEPHONE # \_\_\_\_\_ FAX # \_\_\_\_\_

SPONSORING SALES ORGANIZATION (*Pierce Dealer*) \_\_\_\_\_

## **Registration**

To confirm enrollment, please Email this form to [lmentz@piercemfg.com](mailto:lmentz@piercemfg.com)

Students will be registered in the order that the registration forms are received. A confirmation Email will be sent to confirm your registration in the class. **Due to the content of the curriculum, we are limiting each class to a MAX of 15 individuals.**

## **Cancellation**

Should you need to cancel, please contact Dan Bailey directly @ 920-832-3168 or via Email at [dbailey@piercemfg.com](mailto:dbailey@piercemfg.com)

## **Lodging**

There are many options for lodging in the Las Vegas area but we strongly encourage you to make your reservations well ahead of time as there are always many other conventions taking place.

## 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<sup>®</sup>, Saber<sup>®</sup> and Arrow XT<sup>™</sup> 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<sup>®</sup> Foam System Maintenance:**

This course is designed to instruct the mechanic on the basic repairs and maintenance of the Husky<sup>®</sup> & 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<sup>™</sup>**

This course will provide instruction on the following concepts:

- ~ Command Zone<sup>™</sup> 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<sup>™</sup> 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<sup>™</sup> 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<sup>®</sup> 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<sup>®</sup> 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 PUC water pump. 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 an 8 hour class covering Preventive Maintenance on a Pumper from bumper to bumper; we will also cover all the requirements to do an Annual Inspection per DOT guild lines.

Once the student completes the class and passes the exam he or she **will receive a certificate** stating you completed the training in accordance with the inspection criteria set forth in FMCSR Part 393, 396.17, 3.96.19, 396.23 and appendix G