

**NEW FOR  
2018**

**APD**  
**AUTOMOTIVE PARTS DISTRIBUTORS**

# Training Division

**3 Days** 9am-5pm *lunch included*

Classes Limited to 12 students

*Will sell out—avoid disappointment and register today.*

**Only \$589 per student**

*Canada Training Grant Available.*



# Hands on DIESEL TRAINING

**APRIL 24-26 , 2018 Saskatoon, Saskatchewan**

**SEPT 18-20 , 2018 Edmonton, Alberta**

**NOV. 6-8 , 2018 Calgary, Alberta**

# AGENDA

## Day 1

What is diesel and how it works

The difference between gasoline and diesel combustion

Explanation of diesel fuel and it's characteristics

Explanation of a diesel engine how it functions including direct injection and pre-chamber injection

Fuel filtration as well as heating and water in fuel systems

A basic explanation of how diesel injection systems work with an inline pump

An explanation of how a diesel fuel injector works

Mechanical RPM and fuel governing systems

Fuel injection timing and consequences

Basic fuel metering problems

Demonstrations on engines

## Day 2

Hydraulic injector pump system complete overview Ford

Camshaft injector pump system complete overview

Common Rail system complete overview

Fuel line pressures and return

Piezo electric injectors overview and function

Demonstrations on engines

## Day 3

Continuation of Common Rail system explanations

Piezo electric injectors overview and function continuation

Mechanical fuel distribution pumps explanations

Electrical fuel distribution pumps explanation

Rotary type distribution pumps and timing explanations

Demonstrations on engines

### OBJECTIVES

- Know how the diesel engine function
- Be capable of performing specific adjustments
- Know diesel engine's new components
- Applying an accurate diagnosis when troubleshooting
- To maintain different diesel engines

**VOILKSWAGEN TDI**

**GM 6.5 L**

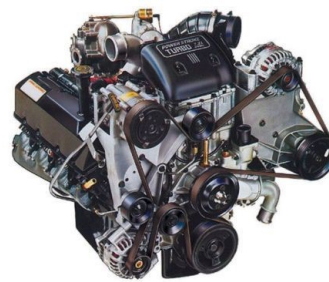
**FORD POWERSTROKE 7.3L 6.0L 6.4L**

**DURAMAX 6.6L**

**DODGE CUMMINS 5.9L 6.7L**

**MERCEDES 2.7L 3.0L**

**DODGE JEEP VM MOTOR**



**"I hear and I forget;  
I see and I remember;  
I do and I understand"**

**Confucius**