

January 2020 Professional Installer Training



MODERN IGNITION TECHNOLOGIES

Course Overview

The ignition system is not what it used to be. Our powerplants are changing; forced induction, direct fuel injection, lean operating strategies, etc. These changes affect the in-cylinder temperature and pressure which require the ignition system to adapt to maintain performance. Today's technicians are required to stay up to date on the latest automotive technologies and diagnostic strategies. Applying these diagnostic strategies will increase the shop's bottom line by reducing time spent on ignition-related repairs.

Learning Objectives

When a technician completes this class, they will have knowledge in:

- The evolution of spark plug technology
 - Double Fine Electrode (DFE) and Projected Square Platinum Electrode (PSPE®) tip designs
 - What is a "High Ignitability" spark plug design?
 - Advances in spark plug metallurgy
- Advances in ignition coils and ignition system control
 - "Smart" ignition coils with internal control
 - Confirming an ignition event through ignition coil feedback
 - Changing the diagnostic approach with "smart" coils
- Ignition primary waveform analysis
 - Accurately compare cylinder waveforms and identify issues relating to the waveform
 - Develop a diagnostic strategy based on the root cause instead of the effect (MIL) to reduce comebacks and ensure fixing it right the first time

Target Audience

Technicians interested in understanding ignition system advancements

REGISTER ONLINE @ carpartswarehouse.net

Warrensville

Date: Monday, January 27th, 2020
Time: Dinner: 5-6pm Class: 6-9pm
Location: CPW Warrensville Heights
18525 Miles Rd, Warrensville Hts, OH 44128
Cost: FREE to first 30 customers to register.

Copley

Date: Tuesday, January 28th, 2020
Time: Dinner: 5-6pm Class: 6-9pm
Location: CPW Copley
2799 Copley Rd, Copley, OH 44321
Cost: FREE to first 30 customers to register.

Perry

Date: Wednesday, January 29th, 2020
Time: Dinner: 5-6pm Class: 6-9pm
Location: CPW Perry
3382 North Ridge Rd, Perry, OH 44081
Cost: FREE to first 30 customers to register.

Elyria

Date: Thursday, January 30th, 2020
Time: Dinner: 5-6pm Class: 6-9pm
Location: CPW Elyria
149 Midway Blvd, Elyria, OH 44035
Cost: FREE to first 30 customers to register.