



RAISE THE BAR WITH XL PARTS TRAINING CLINICS 2023

CATALYTIC CONVERTERS: HOW THEY WORK & DIAGNOSTICS

OCTOBER 17, 2023
XL Parts Distribution Center
2527 Willowbrook Rd.
Dallas, TX 75220

FACTORY TRAINED INSTRUCTOR
Dinner - 6:00 pm
Clinic - 6:30 pm
CLINIC COST: \$89.95

Overview

Catalytic Converters: How They Work & Diagnostics

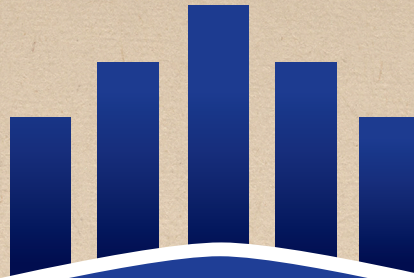
This clinic focuses on the skills and information a technician needs to diagnose catalytic converter problems and replace the catalytic converter.

- Catalytic Converter Construction, Function and Theory
 - How platinum and palladium oxidize Hydrocarbon and Carbon Monoxide
 - How rhodium reduces NOx
- Substrate, Catalyst Loading, Washcoat Technology
 - Advantages of Miso process over waterfall catalyst application
 - OEM VS Aftermarket vs CARB
- CARB regulations, VECI label identification
- How converters break down
 - Overheating from too much unburned fuel
 - Poisoned or fouled
 - Physical damage from road debris
- Fuel Trims and the Stoichiometric Ratio.
 - Catalytic converters require specific Air Fuel ratio to function correctly
 - How to measure long and short-term fuel trims
 - How to use LTFT as a diagnostic tool
- Catalytic Converter Diagnostics and Replacement
 - Visual Inspection Procedures
 - Overheated, poisoned/fouled, damaged?
 - Code reader and Scan tool diagnostics
 - MAF test
 - EGR inspection
 - Emission related TSB search
 - Top engine cleaning
- Oxygen and A/F Sensor Construction, Function and Diagnostics
 - O2 sensors vs Air Fuel sensors
 - Bench test
 - Metered propane test
 - Vacuum leak test
- AP Emissions features and benefits

Clinic Registration

Register online by scanning the QR code or visiting our training webpage
at: <https://www.xlparts.com/en/Training>





RAISE THE BAR WITH XL PARTS TRAINING CLINICS 2023

**ACDELCO TRAINING CLINICS ARE
FREE TO GM PARTNER PERKS
MEMBERS.**

**8 SEATS INCLUDED IN OUR PRONTO
SMART CHOICE PLUS PROGRAM! ASK
YOUR XL PARTS SALES REPRESENTATIVE
ABOUT IT TODAY!**

COMPLETE SCHEDULE

Gives you the convenience to plan classes ahead.

TOP INDUSTRY TRAINING

Instructors from Standard Motor Products, ACDelco, Delphi, Denso, Motorcraft and other top accredited industry trainers.

GIVE YOUR FEEDBACK

Our entire training schedule is based upon the feedback we receive from you! We even add classes to our schedule throughout the year.

18 MONTH EXPIRATION

XL Parts gives you the flexibility to take the classes you want when it's convenient for you.

TECHNICIAN CLINICS PRICING

INDIVIDUAL SEATS

One Night Clinic: **\$89.95** | Two Night Clinic: **\$149.95**

TRAINING PACKAGES

Can be used in any combination

- SELECT YOUR PACKAGE**
- ☐ **Package A**
4 Seats - **\$300** (\$75/class) **SAVE 16%**
 - ☐ **Package B**
8 Seats - **\$520** (\$65/class) **SAVE 27%**
 - ☐ **Package C**
12 Seats - **\$660** (\$55/class) **SAVE 38%**
 - ☐ **Package D**
16 Seats - **\$720** (\$45/class) **SAVE 50%**

SAVE WHEN YOU BUY CLINICS IN BULK!

Please print legibly

ORDER FORM - FAX TO (713) 983-1391

Business Name: _____ Account Number: _____

Business Phone: _____ Sales Representative: _____

E-mail Address: _____