

AVI ON DEMAND

ONLINE TECHNICIAN TRAINING

LBT-43: 4/5 Gas Emissions Testing

AVI can help you make more money by cutting your diagnostic time and selling more fuel injection service. In this program Bill Fulton shows you how to do this by using your gas analyzer as a diagnostic tool.

He covers the complex NOX readings, why they are important and how to quickly identify problems. Bill explains the effect of air/fuel ratios on HC, CO and O2. He also explains how to verify the cat is being fed with O2 sensor waveforms and why you can't always count on catalytic temperature readings.



- * What to do prior to replacing the catalytic converter
- * Cut your diagnostic time with the Bill Fulton MERLIN chart (Mechanical, Electrical, Rich, Lean, Injector, Normal)
- * 12 points on NOX emissions testing

Runtime: 123 minutes

Supplements

- Testing Resources
- Manual
- Videos
- Discussion Forum
- Certificate

Topics Covered

- 5 Gas Infrared Checks
- Stoichiometry
- 5 Gas Infrared Charts
- Hydrocarbons
- HC Charts
- C/O, O₂, CO₂ Percent of Volume
- Spark Time
- NOx (PPM)
- Catalytic Converter Efficiency Test

- Air System
- Catalytic Converter
- O2 Sensor Waveform
- Converter Testing
- Idle Catalyst
- MERL Chart
- Case Studies
- Inlet & Outlet Temperature
- Exhaust Backpressure Gauge