



**BUY 3 GET
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DIAGNOSING ENGINE MECHANICAL ISSUES

PRESSURE TRANSDUCER WAVEFORM TECHNIQUES

WITH BRANDON STECKLER

Is the engine experiencing compression or breathing issues?
Using oscilloscopes and pressure transducers to accurately
diagnose mechanical conditions without disassembly.

- **Does the Engine Have a Compression / Breathing Issue?**
 - Oscilloscope and pressure transducer tooling to accurately diagnose mechanical conditions
 - Compression, valve timing, variable valve timing issues, variable valve lift, flat cam lobes, etc.
- **Accurately Diagnose Engine Mechanical Issues Without Disassembly**
- **Skills and Techniques to Capture Pressure Waveforms (Intake Manifold, Tailpipe & In-cylinder)**
- **In-Cylinder Pressure Transducer Operation and Waveform Analysis**
- **Lift and Timing Issues Can Increase Compression Readings**
- **Diagnostic Process - Real World Examples and Case Studies**

SATURDAY • 11/23/24
8:00 AM - 5:00 PM

CLASS ID: SEM1888
\$385 / STUDENT

Four Points
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