



# DIAGNOSING MASS AIR FLOW AND VOLUMETRIC EFFICIENCY ISSUES + FUEL TRIM ANALYSIS

WITH ERIC ZIEGLER

**AIRFLOW SENSOR OPERATION, COMMON FAILURE MODES, VACUUM/UNMETERED AIR ENTRY, INTAKE AND EXHAUST RESTRICTION ANALYSIS AND DIAGNOSTICS.**

- Volumetric Efficiency and Fuel Control Strategies
- Operation, Test Methods, and Failure Modes for MAF, MAP/Speed Density Systems
- Vacuum Leaks and Unmetered Air Entry - Identification Strategies
- Intake and Exhaust Flow Restrictions - Troubleshooting
- Volumetric Efficiency - Testing and Interpretation
- Scan Data and Fuel Trim Evaluation - Airflow Analysis



**SATURDAY • 6/27/26**

**8:00 AM - 5:00 PM**

**SEM1989 • \$385 USD**



Delta Hotels Santa Clara  
Silicon Valley  
2151 Laurelwood Rd  
Santa Clara, CA 95054