## R-1234yf A/C LOOP TROUBLESHOOTING & DIAGNOSTIC TECHNIQUES

Conventional, Electric & Hybrid Vehicles



- AC Loop Configurations Accumulator, Expansion Valve, Dual-Climate
- Loop System Components Design Variations, Operation, Common Failures & Solutions
- Refrigerants Characteristics, Suitability, Safety & Regulatory Concerns
- AC Oil Types, Applications, Failures & Causes
- Diagnostics & Service
  - o Tools & Equipment
  - Service Cycles & System Flushing Methods
  - o Checking Refrigerant for Impurities
  - Pressure & Temperature Diagnostics, Visual Leak Detection
- Electric / Hybrid Vehicle Heat Pump Systems
  - Design & Configurations
  - Operation Cooling, Heating, Battery Thermal Management
  - Components Function, Operation, Common Problems & Solutions

## **1** DAY CLASS

DATE:	TIME:	8:00am -
Sunday, Oct. 15th, 2023		5:00pm

R1234v

CLASS ID: SEM1811

LOCATION: Holiday Inn 8439 NE Columbia Court. Portland, OR 97220 503-256-5000

COST: \$325

INSTRUCTOR: Michael Ingvardsen







Register at <u>www.worldpac.com</u> or call your Worldpac associate at 1-800-888-9982