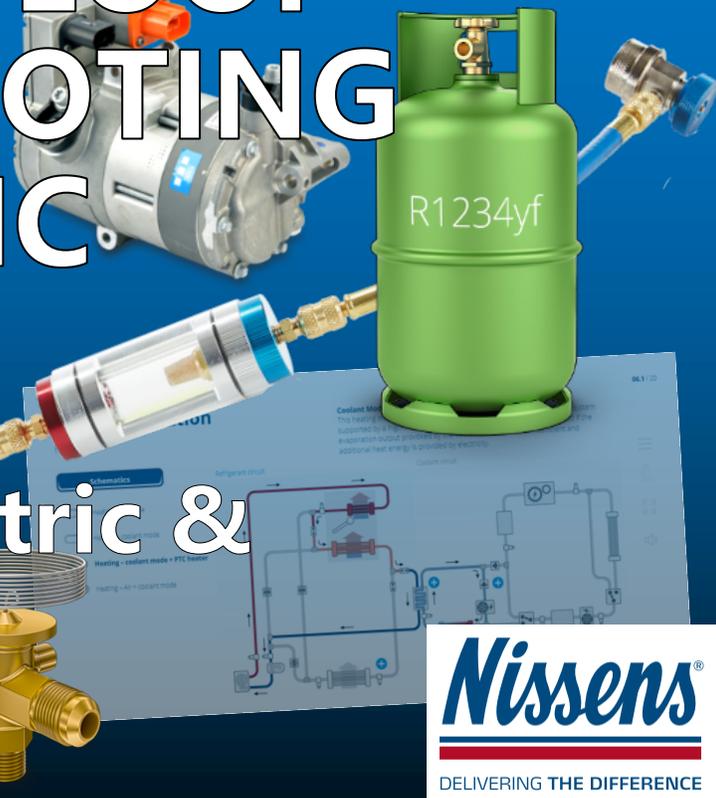


R-1234yf A/C LOOP TROUBLESHOOTING & DIAGNOSTIC TECHNIQUES

Conventional, Electric & Hybrid Vehicles

INSTRUCTOR: MICHAEL INGVARSDEN

- 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
 - Tools & Equipment
 - Service Cycles & System Flushing Methods
 - 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:
Saturday, March 25, 2023	8 am – 5 pm
CLASS ID: SEM1770	LOCATION: Holiday Inn & Suites 1515 N 44 th Street Phoenix, AZ 85008 602-358-0917
COST: \$325	

**Each attendee will receive a
Thermocouple Thermometer**

AND

**a chance to win one
Nissens Visual Inspection tool**



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