

# TRAINING MODULES

## Counterperson



Course prefixes *b, i, and a* refer to learning level: *Beginner, Intermediate, Advanced*

### Course 1 • 1 Modules • 4 Minutes

**b5. A/C Systems 101 – CCOT and TXV 4 min.**

- Overview of the two main A/C systems, components, and function
- Key difference between the two systems

### Course 2 • 2 Modules • 11 Minutes

**b7. gpd HD Product Line 4 min.**

- Overview of gpd HD line and popular products to stock
- Add on units

**a9. Simple Solutions – Innovative gpd Product Designs 7 min.**

- Ford accumulator (gpd #1411655) equipped with OE style case and mounting clips
- Evaporators with multi-flow tanks
- Chevrolet compressor (gpd #6513010) equipped with mounting bolt holes for heat shield
- Chevrolet discharge hose options: (gpd #4812852 and #4813293)
- gpd Cap and Valve Kits
- gpd O-Ring Rapid Seal Kits

### Course 3 • 3 Modules • 14 Minutes

**i8. Compressors 101 – Styles, Function, and Common Reasons for Failure 5 min.**

- Compressor function
- Piston style, scroll style, and rotary vane style compressors
- Fixed vs. variable displacement compressors
- Common reasons for failure

**i9. Condensers 101 – Styles, Function, and Common Reasons for Failure 4 min.**

- Condenser function
- Serpentine style, piccolo tube style, and parallel flow style condensers
- Common reasons for failure
- When and why the condenser needs to be replaced

**a5. Replacing Condensers – Check the Charge Before You Install 5 min.**

- Replacing OE piccolo style condenser with aftermarket parallel flow condenser
- Temperature testing guide

### Course 4 • 3 Modules • 10 Minutes

**i1. Behind the Dash – Components Activated by Climate Controls 3 min.**

- Blower motor, evaporator, heater core, and actuators

**i2. Heating System 101 4 min.**

- A closer look at the heater core and related components

**i12. Actuators 101 3 min.**

- Actuator function, related components, and common reasons for failure
- Blend door actuator
- Mode door actuator
- Air recirculation door actuator



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### Course 5 • 3 Modules • 11 Minutes

**i19. gpd Piston Replacement Compressors for High Failure Rate OE Scroll Style Compressors 4 min.**

- Select Ford and Honda applications

**i20. gpd Piston Replacement Compressors for High Failure Rate OE Rotary Vane Style Compressors 5 min.**

- Select Nissan, Mazda, and Subaru applications

**i21. gpd Scroll Replacement Compressors for High Failure Rate OE R4 Style Compressors 2 min.**

- 1978–1992 GM Trucks

### Course 6 • 3 Modules • 14 Minutes

**a6. Refrigerant – R1234yf 101 4 min.**

- R-134a vs R-1234yf
- A/C components affected by R1234yf

**a7. Oil Retentive Compressors 3 min.**

- Design and function of the oil separator in oil retentive compressors
- How to identify oil retentive compressors
- Precautions to take when servicing A/C systems with oil retentive compressors

**a8. Electronic Control Valve “Clutchless” Compressors 7 min.**

- Design and function of electronic control valve compressors
- How to identify electronic control valve compressors
- Precautions to take when servicing A/C systems with electronic control valve compressors

