

TRAINING COURSES

Installer



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 • 3 Modules • 11 Minutes

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

- Blower motor, evaporator, heater core, and actuators

b6. Engine Cooling System 101 5 min.

- Main components in the engine cooling system
- Radiators with engine and transmission oil coolers
- Common reasons for failure

i3. Rear Air System Overview 3 min.

- Rear air system components
- Tips and precautions for rear air service

Course 3 • 3 Modules • 19 Minutes

i4. Tips to Reduce Warranties – Installer 8 min.

- Common A/C system mistakes to avoid
- Common reasons for warranty rejection on A/C system components

i5. Advice from a Service Writer 4 min.

- A/C job sales tips for the service writer to boost customer loyalty and trust

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 4 • 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

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



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Course 5 • 2 Modules • 9 Minutes

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 6 • 2 Modules • 10 Minutes

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

Course 7 • 2 Modules • 7 Minutes

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

Course 8 • 2 Modules • 6 Minutes

a2. Hybrids – A/C System No-Gos 2 min.

- Precautions to take when servicing hybrid A/C systems

a6. Refrigerant – R1234yf 101 4 min.

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

