

TRAINING COURSES

WD Sales



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

Course 1 • 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 2 • 3 Modules • 11 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

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

Course 3 • 2 Modules • 9 Minutes

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

tt189. Turbocharger Installation Reference Guide 4 min.

- gpd Turbo Line Features & Benefits
- Common Reasons for Turbo Failure
- Installation Precautions and Tips

Course 4 • 3 Module • 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



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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 • 4 Modules • 16 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
- a6. Refrigerant – R1234yf 101 4 min.**
 - R-134a vs R-1234yf
 - A/C components affected by R1234yf
- a2. Hybrids – A/C System No-Gos 2 min.**
 - Precautions to take when servicing hybrid A/C systems

Course 7 • 3 Modules • 12 Minutes

- tt192. Diagnostic Tools – Tracer Gas Regulator Kit 5811753 4 min.**
 - How to Use Tracer Gas to Detect Leaks in A/C System
 - Leak Testing with Refrigerant and Dye Vs. Tracer Gas
- tt176. Diagnostic Tools – Radiator Pressure Tester Kit 5811744 2 min.**
 - How to Use Radiator Pressure Tester Kit
 - Identify Leaks In The Automotive Cooling System
- tt205. Diagnostic Tools – Electronic Control Valve (ECV) Compressor Scan Tool 5811746 6 min.**
 - How to use ECV Compressor Scan Tool

