



HVAC TIPS & TECHNIQUES

What We Will Cover

Module #1 Refrigerants & Oils

Early Refrigerants & Systems

R-12 Change of State

R134a Change of State

Pressure Temperature Relationship Chart

Refrigerant Blends

SNAP Refrigerant Chart

CO₂ / R744 Refrigerant

Hydrofluorocarbon / R152a

Lubricating Oils

Compressor to Oil Type Chart

Oil Quality & Additives

ICE 32

Module #5 HVAC Service & Repair

Selling The Complete Repair Job

Cleaning Procedures & Chemicals

Compressor Warranty Policy

Cleaning Solvent Characteristics Chart

Solvent Cleaning Process

Open Loop

Closed Loop

Liquid Refrigerant Flushing

Component Cleaning

System Cleaning

Adding In-Line Filters

System Evacuation Procedures

Boiling Point of Water Chart

Altitude Vacuum Variations Chart

Refrigerant Charging Techniques

Charging Retrofit Vehicles

Module #6 Compressor Service Tips

Compressor Failures

Refrigerant Leak Analysis

Using System Sealers

Compressor Mounting Issues

Compressor Torque Specifications

Compressor Oil Service Issues

Compressor Noise Analysis Chart

Compressor Clutch Operation

Compressor Replacement Issues

Delphi V5 - V7

Ford FS10

Rotary Vane Compressors

Scroll Compressors

Compressor Replacement Procedures

After Repairs Temperature Testing – Video

- This 10 minute video will demonstrate the following:
 - Why R134a system refrigerant charge is critical
 - Why you must identify the refrigerant before you service the system
 - Why the after repairs temperature test is vital to system integrity

The complete temperature testing process is shown

Increase your knowledge... Learn new techniques... Sharpen your skills... Expand your profits...

Date: Wednesday May 17th, 2006

Place: Visalia Veterans Building

Time: 5:38 pm (dinner) to 9:30 pm

Cost: \$39.95 includes dinner and manual

For More Information Contact Your Smith Auto Salesman or Call:

734-1396

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