



*Fairfax* **AUTO PARTS**

# **AUTOMOTIVE HVAC TIPS & TECHNIQUES**

*Increase your knowledge...*

*Learn new techniques...*

*Sharpen your skills...*

*Expand your profits...*

**Date: May 24, 2006**

**Time: 6:30 PM (Dinner at 6:00)**

**Place: Dulles Auto Clinic**

**(Near FAP Herndon Store)**

**Cost is \$40**

**(includes 200-page workbook)**

**Seating Is Limited**

**Call Now To Register.**

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**Part number for clinic is HVAC-10**

## **Course Objective**

The goals of this seminar are to help the technician gain a better understanding of HVAC systems, establish new diagnostic procedures, and develop a process to insure system integrity. Causes for HVAC system failure vary by system and component design and these failures have been compounded by new refrigerants and lubricating oils. Over the last couple of years we have seen an increase in AC system failures after the initial repair has been made. There are numerous reasons for comeback failures such as debris left in the system, failed components that were not found on the initial repair, contaminated refrigerants, improper charge levels and failure to add the proper type or amount of oil to the system. This program will provide the necessary background information; specifications and repair steps to help today's technician perform HVAC repairs with confidence.

## **Focus Areas**

- Enhanced fundamental understanding of HVAC principles.
- Understanding refrigerants and lubricants.
- Visual inspections, refrigerant and component testing, determining root causes of system failures.
- How to obtain and interpret temperature readings to determine HVAC system and component conditions
- Determining diagnostic conclusions based on facts and baseline information.
- Perform a system integrity test to ensure proper system performance and eliminate the possibility of comeback failures.
- Valuable NEW Tech Tips for 2006

## **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