



WALLWORK
G R O U P

Wholesale Distributors ■ Air Conditioning ■ Heating



Air Conditioning Troubleshooting

Description: This course will provide an overview of air conditioning fundamentals and includes topics such as temperature/pressure charts, condenser and evaporator operation, superheat and subcooling, compression ratio and charging by weight, as well as reading schematics for both split systems and packaged units. The class will also explore the sequence of operations for air conditioning systems in order to create a more logical method for diagnostic procedures. Through the use of computer simulation programs, technicians will learn to diagnose common operating and mechanical defects. This approach will allow technicians to troubleshoot and diagnose R-22 as well as R-410A air conditioning system problems faster and more accurately.

Course Topics:

- Refrigerant Diagnostics
- Start Relay Coil
- High Pressure Switch
- Compressor Winding
- Start Relay Contacts
- Basic Electricity
- Compressor Locked Rotor
- Contactor Coil
- TXV Power Element
- Fan Motor Capacitor
- Control Transformer
- Thermostat Fan Switch
- Low Pressure Switch
- Circuit Breakers
- Indoor Fan Relay
- Electrical Schematics
- Superheat
- Subcooling

Cost

Per Person: \$70.00 (includes light supper)

Time: 4:00 PM - 8:00 PM

When:	<u>March 10, 2010</u>	<u>March 16, 2010</u>	<u>March 17, 2010</u>	<u>March 18, 2010</u>
Where:	Wallwork Group 9 Patton Drive West Caldwell, NJ	Wallwork Group 10 Interstate Ave Albany, NY	Wallwork Group 300D Rte 17 South Mahwah, NJ	Wallwork Group 175 Clearbrook Rd Elmsford, NY

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When:	<u>March 23, 2010</u>	<u>March 24, 2010</u>	<u>March 25, 2010</u>	<u>March 30, 2010</u>	<u>March 31, 2010</u>
Where:	Wallwork Group 5-15 54 th Ave Long Island City, NY	Wallwork Group 485-13 So Brdwy Hicksville, NY	Wallwork Group 80 13 th Ave Ronkonkoma, NY	Wallwork Group 1970 Rutgers Univ Blvd Lakewood, NJ	Wallwork Group 3390 Rand Road Unit B South Plainfield, NJ

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