

# Prokup Media

Technical Service Training

## Air Conditioning System Diagnostics

### Training Objective

In this program, HVAC Service Technicians learn how to establish operating performance that match the efficiency, capacity, and reliability levels as specified by the air conditioning system Manufacturer. To reach the course objective, this course teaches technicians the application limits of the refrigeration cycle, line set applications, air volume, compressor, and refrigerant/oil/moisture limits. The service procedures required to achieve proper operation for differing applications and installation conditions are then taught. By understanding how systems are engineered, correcting improper operation and performance becomes possible.

### Seminar Outline

- Compressor starting problems
- Compressor mechanical failure
- Compressor burnout
- Flash gas formation in both R-22 and R-410A liquid lines
- Acid formation in R-22 and R-410A systems
- Low indoor air volume
- Low system capacity
- Low superheat
- High superheat
- Low subcooling
- High subcooling
- Capacity loss in both R-22 and R-410A suction lines



Michael Prokup •

## Registration Details

**5 NATE and 8 CEU Hours Available!**

Company Name \_\_\_\_\_ RHS # \_\_\_\_\_

Attendee(s) \_\_\_\_\_

Payment Enclosed: Amount \$ \_\_\_\_\_ Ck# \_\_\_\_\_ Chg. Acct. # \_\_\_\_\_

Please contact Debbie Goshorn: ph 330.821.9180 x 131 fax 330.266.7474  
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Prokup Media  
815-223-7953  
[www.prokupmedia.com](http://www.prokupmedia.com)

**Date:** April 26th 8am - 5pm

**Cost:** \$150 pp

**Where:** Robertson Heating Supply Toledo Branch  
3243 Frenchmens Rd. Toledo, OH 43607

## Prokup Media Class Feedback

"This class is extremely beneficial to anyone that attends, because Mike addresses the engineering and math side of our business and explains them in real world applications. Mike is a great instructor simply because he has been out there and experienced it. "

Scott Seifert, Crown Heating

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