

BASIC AIR CONDITIONING & refrigeration I

Basic Air Conditioning & Refrigeration I

1-DAY
TRAINING

Training Description:

This information packed one-day seminar has been designed to give the attendee an understanding of the most important components, principles, and concepts used in air conditioning and refrigeration systems. Upon completion of this seminar you should have a solid knowledge of servicing air conditioning and refrigeration systems, the components and accessories used in these systems, and an understanding of the electrical considerations necessary for making these systems work.

(EPA certification is optional and requires the attendee to pass a test administered by the instructor at the end of **Basic Air Conditioning & Refrigeration II**. While every attempt is made to provide our attendees with a high quality education, Lewellyn does not guarantee that all attendees will pass this test. It is highly recommended that attendees study **on their own** in addition to taking this training.)

Training Topics:

BASIC AIR CYCLE

- Return Duct and Make-Up Air Intake
- Air Filtration
- Blower Assembly
- Evaporator and Pan Drain
- Supply Duct and Resistors

ESSENTIAL COMPONENTS

- Compressor
- Condenser
- Evaporator
- Metering Device

SYSTEM ACCESSORIES

- Receiver
- Accumulator
- Sight Glass
- Oil Separator
- Oil Return
- Tubing

REFRIGERANT CYCLE

- Temperature
- Pressure
- Liquid
- Gas

RECOVERY/RECLAIM/CHARGING

- Pressure/Gauges
- Evacuation
- Leak Detection
- Refrigerant
- Charging
 - Vapor
 - Liquid

TROUBLESHOOTING

- Pressure
- Temperature

CLASS DISCUSSION AND REVIEW

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TECHNOLOGY

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