

Test Equipment List: Appliances

Required

- AC Ammeter/Clamp-on
- Charging Cylinders or Electronic Scale
- Conventional Hand Tools
- Crimping Tool
- Heat Gun or Hair Dryer
- Hex Nut Drivers - Std. And Metric Assortment
- Hex Wrenches - Std. And Metric Assortment
- Leak Detector, Bubble - For all gases including combustible
- Leak Detector, Electronic for CFC, HCFC, etc.
- Manifold gauges and hoses (2 sets)
- Multimeter analog or digital
- Process Tube Kit - Robinair or Equiv.
- Refrigerant Recovery Equip. - EPA approved and registered
- RF Leakage Detector - Government approved, annual certification
- Silver brazing torch and associated equipment - Includes shields, flux, and protective equipment
- Soldering station or iron – flux
- Swaging tool - Flaring tool optional
- Thermocouple Temperature Tester (0 – 1000 degrees F)
- Thermometer -30 to 200 degree F. digital or merc./alcohol
- Vacuum pump - 2 cfm. 2 stage minimum

Tools & Supplies

- Air compressor or canned air
- Alcohol – cleaning chemicals
- Anti-static equipment
- Hand tools – torx wrenches
- Lubricants (Molytone & Hitazol grease)
- Power and battery drills
- Vise

Safety Items

- Back brace/lifting belt
- Ear protection (plugs, domes, muffs)
- Fire extinguisher
- First aid kit
- Gloves

- Safety glasses

Optional

- AC Leakage Tester
- Bearing Puller
- Capacitor Analyzer
- Compressor Direct Start Box or Equiv
- DC Power Supply
- Desolder Station
- Digital Volt/Ohm/mA Meter w/Diode and Cap Checker - IV dc to 1000V dc sensitivity 1mV .5 & accuracy
- Infrared temperature tester.
- Isolation Transformer - Volt amp rating must equal amperage rating of the highest product worked on. Volts X Amps = Voltamps. Used when repairing solid state controls
- Manometer
- Power Test Bowls
- Seal, bearing and special tools - As specified by appliance manufacturer
- Strip or chart recorder or equiv. - Temp on time base, electrical optional
- Thermistor vacuum gauge
- Tubing bender - Spring type or radius tool
- VARIAC - Isolation type, 0-140 V AC variable, with line monitor
- Water column vacuum gauge