



Compressor Replacement Tool Checklist

To replace a compressor successfully, you'll need the right tools. Here is a list of tools and materials required for a residential single-phase compressor installation, as designed by Ty Branaman and JD Kelly.

Testing & Diagnostic Tools

- ☐ Acid test kit
- ☐ Leak detector
- ☐ Scale (for weighing old and new compressors and refrigerant)
- ☐ Micron gauge
- ☐ measureQuick or a similar system profiling tool
- ☐ TrueFlow grid (or similar airflow measurement tool)
- ☐ Multimeter
- ☐ Manifold gauge or probe set
- ☐ Thermal imager (optional)
- ☐ Heat gun (optional)

Recovery & Brazing Equipment

- ☐ Recovery machine
- ☐ Recovery tank
- ☐ Vacuum pump
- ☐ Nitrogen cylinder and regulator
- ☐ Brazing torch/kit
- ☐ 15% silver phos brazing rods
- ☐ 56% flux-coated high-silver brazing rods
- ☐ Heat shields (such as the Viper WetRag HeatShield)
- ☐ Wet rags

Piping & Fittings

- ☐ Suction line filter drier (HH model, for burnouts)
- ☐ New liquid line filter drier
- ☐ Ball valves (for isolating driers)
- ☐ Standard piping (to replace temporary suction line filter-drier)
- ☐ Various fittings and piping as needed
- ☐ Copper pipe cutter, deburring tool, and tubing bender

Replacement Components & Electrical

- ☐ New compressor
- ☐ Replacement plugs and connectors for compressor terminals
- ☐ Factory-approved hard start kit (if specified)
- ☐ Run capacitor
- ☐ Contactor (or upgrade)
- ☐ Large gauge wire (if needed for rewiring)
- ☐ Crankcase heater
- ☐ Wire strippers, crimpers, wire nuts

Safety & Protective Gear

- ☐ Safety glasses
- ☐ Gloves
- ☐ Other standard PPE

Additional Tools & Materials

- ☐ Refrigerant
- ☐ New air filters
- ☐ Surge protector (recommended)
- ☐ DITEK KoolGuard (optional)
- ☐ x2 Vacuum hoses (one large diameter)
- ☐ x2 Valve core removal tools
- ☐ Dedicated recovery hose
- ☐ Screwdriver set
- ☐ Adjustable wrenches
- ☐ Pliers
- ☐ Tubing benders
- ☐ Level
- ☐ Compressor lifting tool
- ☐ Zip ties
- ☐ Electrical tape
- ☐ Sandpaper or emery cloth
- ☐ Leak detection bubbles or spray
- ☐ System labels
- ☐ Cleaning rags/towels
- ☐ Digital thermometers/probes
- ☐ Service valve wrench