

## **HVACR**

### **To be provided by Host Site:**

- A/C Units and other station materials
- Torches for use in any station

### **To be provided by contestant:**

- Safety goggles
- Hand-held, nonprogrammable calculator, for the contest. Cell phone calculators are not permitted.
- Flare Block and yoke
- 1/4-inch swaging tool
- Tube cutter
- 4-inch 0 sandpaper
- Gauge manifold
- Wiping cloth
- Steel rule or measuring tape
- 2 1/4-inch flare nut wrench or equivalent
- Ball peen hammer
- Lever bender
- 1/4-inch tubing wire brush
- Mill file
- Basic hand tools
- Two thermometers or an electronic thermometer with two probes
- Volt-Ohm meter
- Ammeter
- Halide leak detector
- Insulation tape
- Nut driver set
- Pressure temperature chart
- 10-inch crescent wrench
- Common pliers
- Lineman pliers
- Service valve wrench
- Screwdrivers, straight and Phillips
- Pinch off tool