

# 2023 HVACR COMPETITION

## **Furnace station**

Electrical trouble shooting

Wire furnace control board by using wiring schematic

### **Tools required**

Hand tools etc.

Volt/amp meter

Wire strippers' crimpers

## **Air conditioning station**

Replace condenser fan motor blade and capacitor. Verify refrigerant charge (subcooling super heat)

### **Tools required**

Refrigeration gauges

Hand tools etc.

Volt/amp meter

## **Refrigeration trainer**

Verify proper refrigerant charge. (Over charge/undercharge)

### **Tools required**

Refrigeration gauges

Thermometer tool with ability to measure refrigerant line temperature

## **Brazing station**

Cut, sand, ream, and braze to model provided. If enough time pressure test and vacuum

### **Tools required**

¼ and 3/8 Tubing bender

Tubing cutter

reamer

Sand cloth

Torch and braze rod