



**Mastercool® Inc.**  
"World Class Quality"

## Charging Station Instructions

The charging station consists of a frame with roller wheels and three main components:

- **Vacuum pump:**

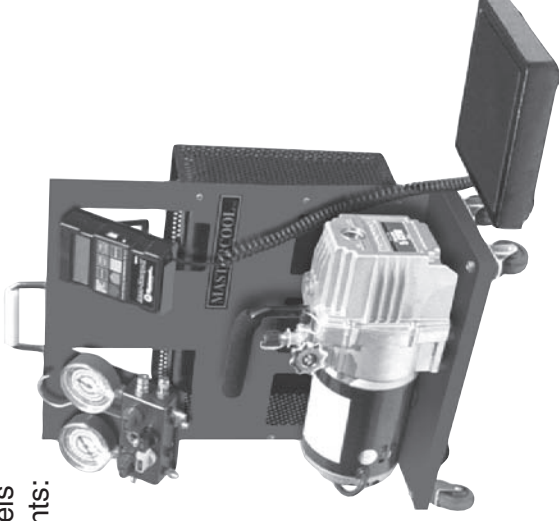
See separate service manual

- **Charging scale:**

See separate service manual

- **Manifold:**

- a. 4 way equipped with four ball valves
- b. Standard piston style 2 valve manifold



### **INSTRUCTIONS:**

1. Read the vacuum pump instructions. After making sure that all refrigerant has been recovered from the system, connect your vacuum pump. Make sure that the oil drain on the bottom of the pump is closed and that your pump is filled with the sufficient amount of oil.

**Note:** *make sure that the exhaust is taken off the pump prior to starting.*  
*Failure to do so may cause internal damage or pump housing to crack.*

2. The red and blue hoses are to be connected from the manifold red and blue valves to the system's high and low pressure ports.

3. Take the charging scale out of its location at the back of the station's frame. Read the instructions. Take the platform and monitor out of their black plastic carrying case. Make sure that the platform is put on a stable and even surface. Do not leave the platform in the box. The monitor can then be placed in the bracket on the top right hand corner of the frame.

### **OPERATION:**

#### **1. Evacuation:**

After making sure all hoses are connected properly, open red and blue valves on the manifold. Begin to evacuate your system by turning on your vacuum pump. After sufficient vacuum has been reached, you can turn off your pump and disconnect.

#### **2. Charging System:**

Depending on 2 way or 4 way manifold use, now check and make sure that you have your service (yellow) hose connected to your refrigerant tank. Turn on your scale from the monitor and then place your tank on the platform after the scale has finished its countdown. At this point open your blue and red valves on the manifold and then open the valve on your refrigerant tank. The charging process will begin at this point and the amount being charged to your system and be viewed on the scale monitor.

Depending on outside temp conditions, you may need the assistance of a heater blanket around your tank to speed up the charging process. Once your desired charge amount is reached, close all valve and then disconnect all hoses, as you charge process is complete.