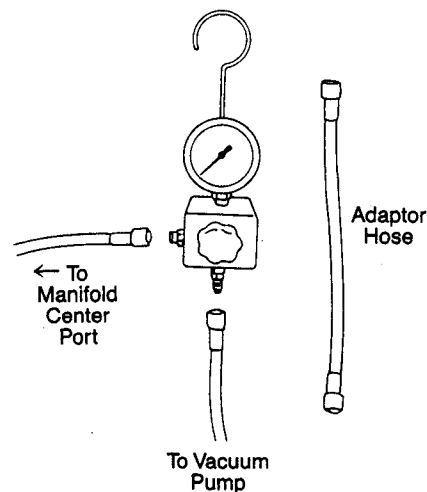




# 9450V GLYCERINE FILLED VACUUM GAUGE

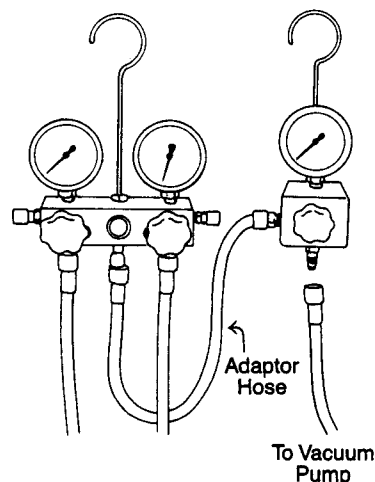
## OPERATING INSTRUCTIONS

The TIF9450V Glycerine Vacuum Gauge is one of the most useful, time-saving tools developed for evacuating an A/C or Refrigeration System. This precision, expanded range vacuum gauge allows for precise reading of vacuum levels from 0-30" Hg with a "zero set" adjustment screw for maintaining optimum accuracy. The TIF9450V can be used with any standard manifold, or by itself for direct vacuum level monitoring. Through the use of the TIF9450V vacuum gauge, system leaks are easily identified and your evacuation procedure is monitored much more accurately, saving you valuable service time on each evacuation.



### Set-up and Manifold Connections

1. Make all necessary repairs, leak check and exhaust A/C or refrigeration system before connecting the TIF9450V vacuum gauge.
2. To connect vacuum gauge, remove (center) vacuum hose from your manifold and connect the 9" adaptor hose to manifold center port.
3. Connect free end of adaptor hose to side fitting on the vacuum gauge block. Reconnect vacuum hose to bottom port of vacuum gauge block and to vacuum pump.

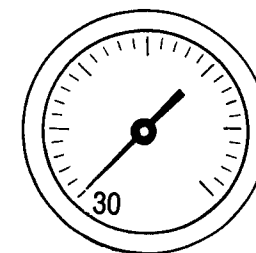
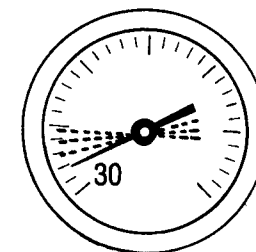
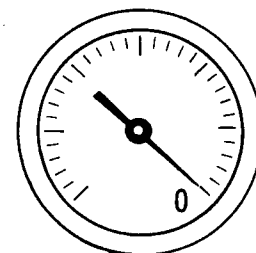


### Evacuation and Leak Check Procedure

1. Calibrate vacuum gauge needle to read zero using the calibration screw on backside of gauge.
2. Turn vacuum pump on and open both manifold service valves and the yellow vacuum gauge manifold valve.
3. Pull a vacuum on the system for approximately 5-10 minutes (depending on system size). Then close off yellow valve to leak check. The vacuum gauge needle should not move if system is holding a tight vacuum. If needle movement occurs toward zero, check all hose connections for leaks; then evacuate another 2-3 minutes and leak check as before.
4. Continue to evacuate system until vacuum gauge needle is stabilizing in the 29.5 to 30" Hg range. Close yellow valve and observe needle movement for approximately one minute. If gauge needle creeps up a little, further evacuation is required.
5. Once deep vacuum has been reached and maintained, you may begin recharging the system.

A. To recharge, close all manifold valves and disconnect vacuum gauge manifold and adaptor hose.

B. Reconnect vacuum/charging hose to manifold and to refrigerant supply. Purge hose and recharge system as specified by manufacturer.



**NOTE:** Vacuum gauge should not be subjected to pressures exceeding 30" Hg damage to the gauge result.

