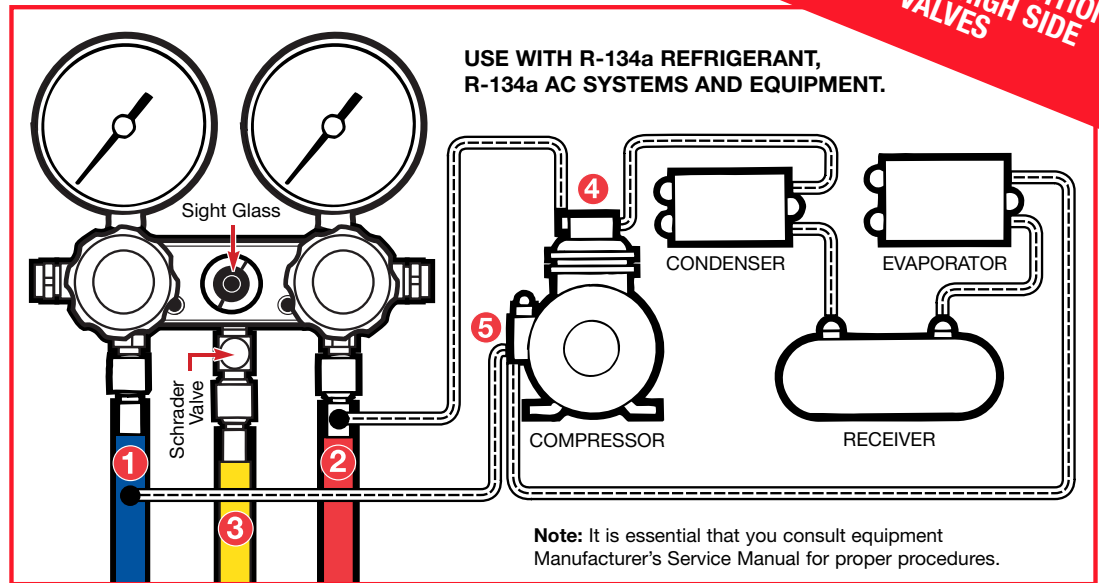


R-134a Professional Auto Air Conditioning Manifold Gauge

R-134a Manifold Gauge Sets may be used to perform a number of jobs in respect to the Auto Air Conditioning System. The following is an explanation of service port status and connections required to do this successfully.



INSTRUCTIONS

I. CONNECTIONS

1. HOSES TO MANIFOLD

- 48" Blue ① to Low Side Blue Gauge
- 72" Yellow ③ to Middle Port
- 48" Red ② to High Side Red Gauge

2. MANIFOLD HOSES TO AC SYSTEM

- Blue ① Low Side Hose to Suction Service Valve ⑤
- Yellow Hose ③ Connection to Refrigerant supply and other listed functions
- Red ② High Side Hose to Discharge Service Valve ④

II. PROCEDURES

A. Check of Operating Pressure

- Close Manifold Low Side
- Close Manifold High Side

- Yellow Service Hose performs no function in this procedure

- Compressor Discharge Service Valve Open
- Compressor Suction Service Valve Open

B. Charging Refrigerant through the Suction Valve

- Open Manifold Low Side
- Close Manifold High Side
- Connect Yellow Hose to Refrigerant Gas Supply
- Compressor Discharge Service Valve Closed
- Compressor Suction Service Valve Open

C. Charging of Liquid Refrigerant through Discharge Valve

- Close Manifold Low Side
- Open Manifold High Side
- Connect Yellow Hose to Liquid Refrigerant

- Compressor Discharge Service Valve Open
- Compressor Suction Service Valve Open

D. Charging of Oil through Suction Valve

- Open Manifold Low Side
- Close Manifold High Side
- Connect Yellow Hose to Oil Supply

- Compressor Discharge Service Valve Closed
- Compressor Suction Service Valve Open

E. Recovering of Refrigerant from Discharge Valve

- Close Manifold Low Side
- Open Manifold High Side
- Refrigerant Line Open
- Compressor Discharge Service Valve Open
- Compressor Suction Service Valve Closed

F. Evacuation with Auxiliary Vacuum Pump

- Manifold Low Side Open
 - Manifold High Side Open
 - Yellow Hose Connected to Vacuum Pump
 - Compressor Discharge Service Valve Open
 - Compressor Suction Service Valve Open
- #### G. Additional Functions
- Sight Glass allows for visual monitoring of the condition of the refrigerant
 - Schrader Valve allows for purging of hoses or evacuation of system without interfering with the regular center service hose