

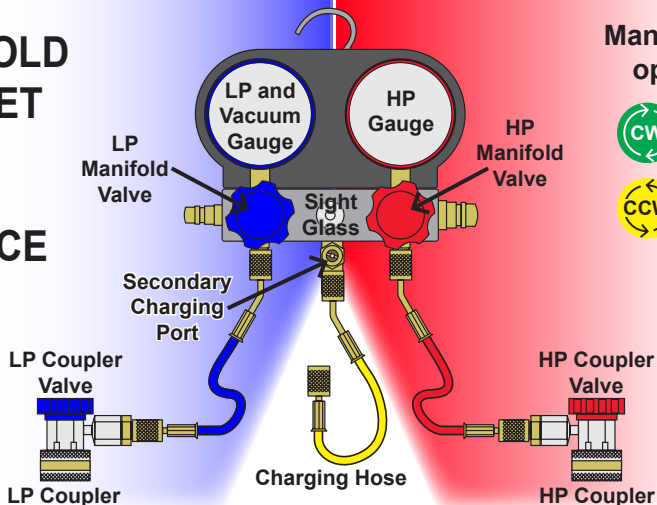
Blue LP (Low-Pressure) side

Red HP (High-Pressure) side

# A/C MANIFOLD GAUGE SET

## QUICK REFERENCE GUIDE

ITEM 92649



Manifold Valve operation:



Coupler Valve operation:



### ⚠ WARNING

To prevent **SERIOUS INJURY** and **DEATH**:

1. **READ ENTIRE MANUAL BEFORE USE.**
2. Use in well-ventilated area only.
3. Wear ANSI-approved safety goggles and heavy-duty work gloves during setup and use.
4. **DO NOT OPEN** either Manifold Valve unless directed to do so; otherwise, refrigerant leaks, A/C contamination, and hazardous expansion of pressurized refrigerant may occur.
5. Keep gauge and hoses away from moving engine parts.
6. Turn off vehicle's engine and A/C system before attaching gauge.
7. Technicians performing this procedure or opening refrigeration circuit in automotive air conditioning systems **MUST** be certified in refrigerant recovery and recycling procedures in compliance with section 609 of Clean Air Act Amendments of 1990.



## ⚠ WARNING

A/C service can be dangerous.  
To prevent **SERIOUS INJURY**,  
read entire manual before use.

## Diagnostic Check

### ATTACH COUPLERS:

Attach Couplers to  
A/C system,  
Blue to  
suction LP port,  
and Red to  
discharge HP port.

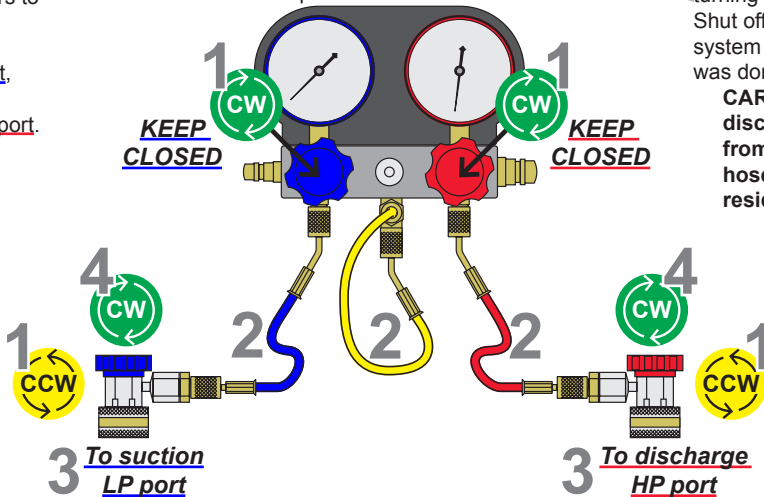
### CHECK:

To do a dynamic check, turn on engine,  
allow to warm up, then turn on A/C.  
Open Coupler Valves - turn CW.  
Compare Gauge readings to vehicle's  
service specifications.

### AFTER:

Close Coupler Valves by  
turning CCW.  
Shut off engine and A/C  
system if dynamic check  
was done.

**CAREFULLY**  
disconnect Couplers  
from A/C system;  
hoses may contain  
residual refrigerant.



### CONNECT HOSES:

Connect Red, Blue and Yellow Hoses  
to Manifold and Couplers as shown,  
RED - RED and BLUE - BLUE.

### CLOSE ALL VALVES:

Manifold Valves - turn CW.  
Coupler Valves - turn CCW.

## Recovery / Evacuation

### **⚠ WARNING**

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read entire manual before use.

### **2 ATTACH COUPLERS:**

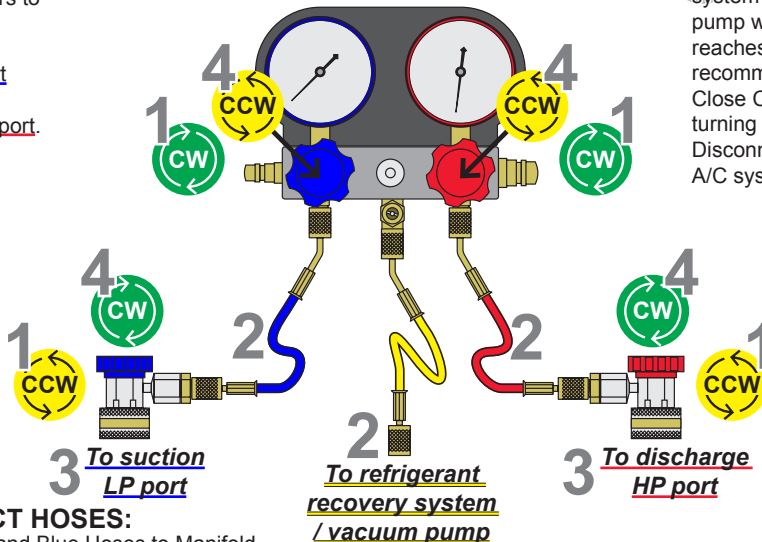
Attach Couplers to  
A/C system,  
Blue to  
suction LP port and Red to  
discharge HP port.

### **4 RECOVERY / EVACUATION:**

Turn on recovery system / vacuum pump.  
Open Coupler Valves - turn CW.  
Open Manifold Valves - turn CCW.  
Read amount of vacuum on Blue LP Gauge.

### **5 AFTER:**

Shut off recovery  
system / vacuum  
pump when vacuum  
reaches manufacturer's  
recommendation.  
Close Coupler Valves by  
turning CCW.  
Disconnect Couplers from  
A/C system.



### **2 CONNECT HOSES:**

Connect Red and Blue Hoses to Manifold  
and Couplers as shown,  
RED – RED and BLUE – BLUE.  
Connect Yellow Hose to  
refrigerant recovery system / vacuum pump.

### **1 CLOSE ALL VALVES:**

Manifold Valves - turn CW.  
Coupler Valves - turn CCW.

## ⚠ WARNING

A/C service can be dangerous.  
To prevent **SERIOUS INJURY**,  
read entire manual before use.

### 2 ATTACH COUPLERS:

Attach Couplers to  
A/C system,  
Blue to  
suction LP port  
and Red to  
discharge HP port.

### 2 CONNECT HOSES:

Connect Red and Blue Hoses to Manifold  
and Couplers as shown,  
RED – RED and BLUE – BLUE.  
Connect Yellow Hose to R-134a supply.  
**KEEP R-134A CAN/CYLINDER UPRIGHT.**

## Charging

### 4 CHARGING:

Turn on engine, allow to warm up,  
then turn on A/C.

Open Coupler Valves - turn CW.

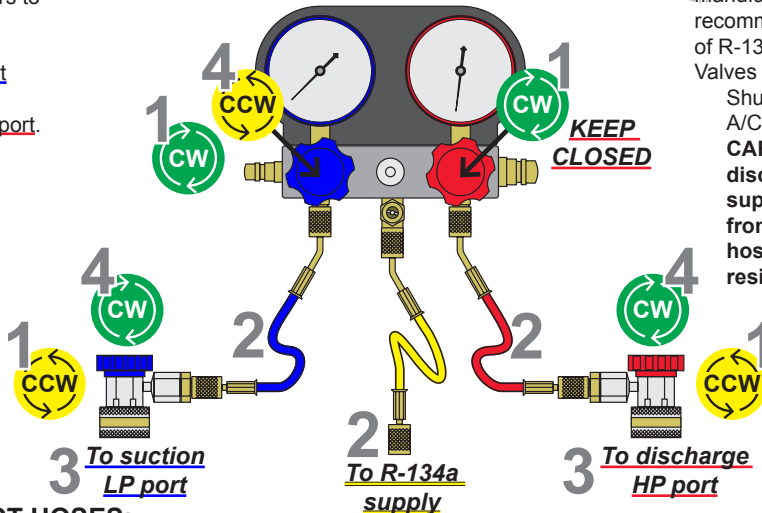
Only open BLUE Manifold Valve - turn CCW.

### 5 AFTER:

After charging  
manufacturer  
recommended amount  
of R-134a, close Coupler  
Valves by turning CCW.

Shut off engine and  
A/C system.

**CAREFULLY**  
disconnect R-134a  
supply and Couplers  
from A/C system;  
hoses may contain  
residual refrigerant.



### 1 CLOSE ALL VALVES:

Manifold Valves - turn CW.  
Coupler Valves - turn CCW.