TASCO JAPAN CO., LTD.

Head Office: 1-2-16 Kawaguchi, Nishi-ku, Osaka 550-0021 JAPAN E-mail: air@tascojapan.co.jp
Phone: 81-6-6584-0809 Fax: 81-6-6584-1056

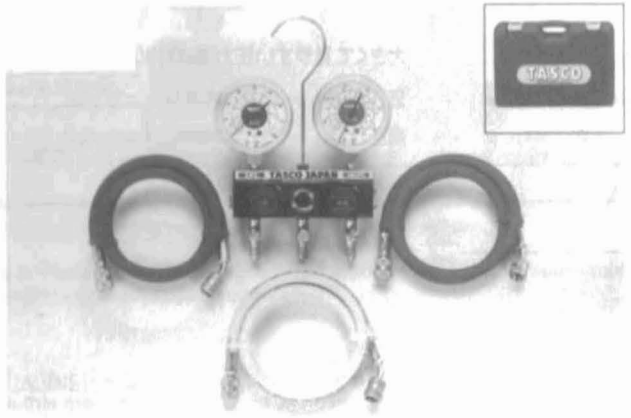
Tokyo Office: Tennoz Yusen BLDG.14F 2-2-20 Higashishinagawa, Shinagawa-ku, Tokyo 140-0002 JAPAN
E-mail: tky@tascojapan.co.jp
Phone: 81-3-5796-0809 Fax: 81-3-5796-0888 Web Site: http://www.tascojapan.co.jp/

JY20100824MC98102_1

GAUGE MANIFOLD

TA120/122 Series

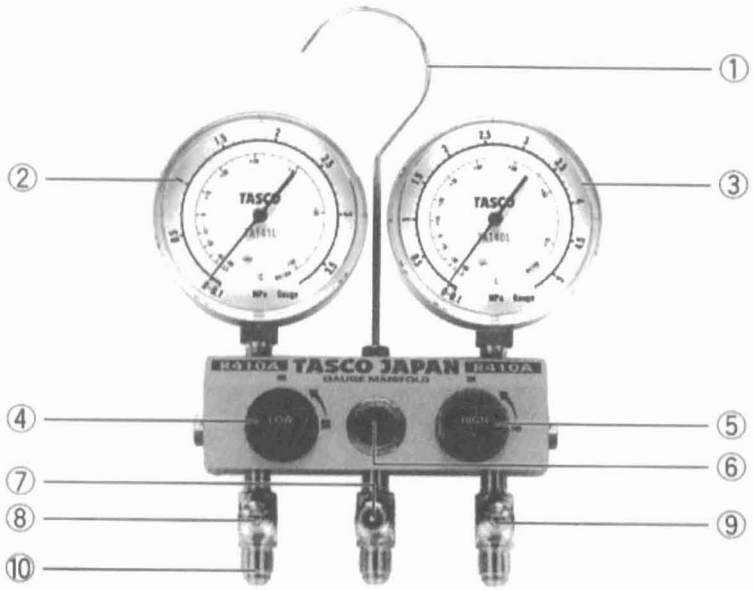
INSTRUCTION MANUAL



Thank you for purchasing the TASCO Gauge Manifold Kit.
Please read this instruction manual carefully before use so that you can use the product properly.

TASCO JAPAN CO., LTD.

Parts and Controls



(1) Hook

(2) Low-pressure compound gauge

(3) High-pressure compound gauge

(4) Low-pressure handle

(5) High-pressure handle

(6) Sight glass

(7) Service port with core

(8) Low-pressure hose fitting

(9) High-pressure hose fitting

(10) Connecting port

Recommended Operating Procedure

1. Tighten the high- and low-pressure handles and then connect the manifold's high- and low-pressure hoses to the ports of the AC/R system, respectively.

2. Connect the charging hose (yellow) to the vacuum pump and then connect the hose to the hose fitting for evacuation.

3. Loosen the high- and low-pressure handles.

4. Activate the vacuum pump to evacuate the system for a required period of time.

5. Tighten the high- and low-pressure handles and then turn off the vacuum pump. Check the gauge pressure at this time. After a few minutes, check the gauge pressure again. If the gauge pressure has not increased at all, there is no leakage in the system.

6. Disconnect the charging hose from the pump and then connect the charging hose to the charging scale.

7. Carry out charging by means of the charging scale. At this time, do not loosen the manifold's handles.

8. Open the high-pressure valve to charge refrigerant. (If the system is equipped with a low-pressure port only, use the port for both refrigerant charging and evacuation.)

9. If the low-pressure port is to be used, close the high-pressure valve and open the low-pressure valve slightly for gas-phase refrigerant charging.

10. Check if each one of the gauges properly points the pressure values recommended by the system manufacturer's manual.

⚠ Safety Instructions

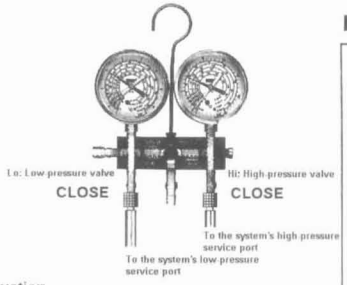
1. **Since this manifold is to be used exclusively for HFC refrigerants, never charge any other type of gas and never use it for any other purpose than recommended in this instruction manual.**

2. **Wear protective clothing, a helmet, protective glasses, gloves, safety shoes when handling refrigerants to avoid contact with refrigerants, which could possibly blind and injure the operator.**

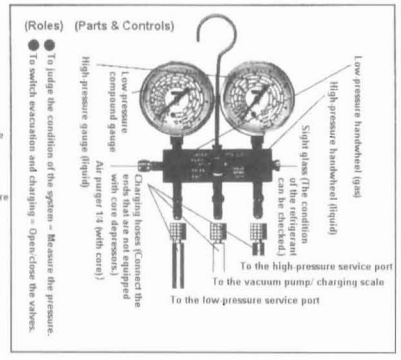
3. **Do not forget to check if the charging hose is equipped with a hose gasket. Be very careful not to get frozen by refrigerants.**

■Applications Part 1

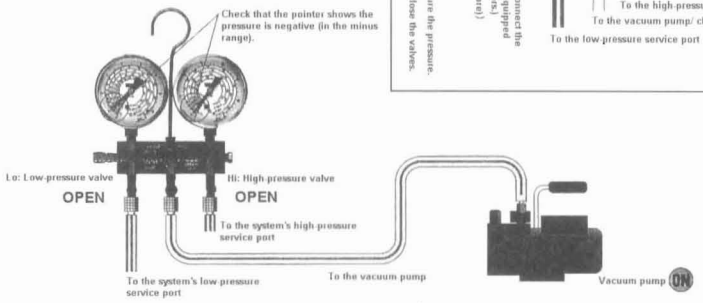
1. Measuring the operation pressure of the system



■Parts, Controls, and Roles



2. Evacuation



3. Airtight Test

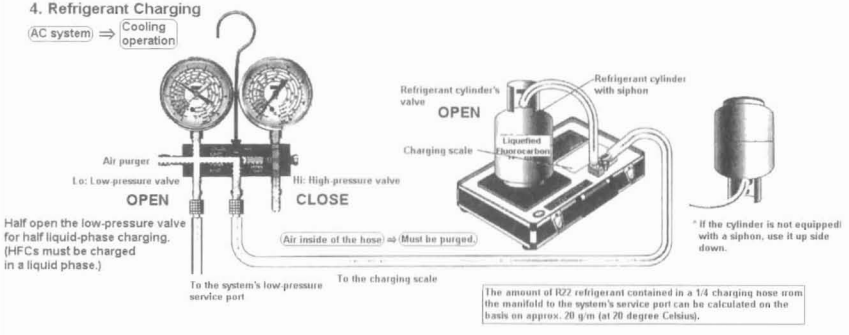
Hi: High-pressure valve **CLOSE**
Lo: Low-pressure valve **CLOSE**
* Turn off the vacuum pump.

→ After 5-10 minutes →

Check that the gauge pointer does not get back to 0 (there is no leakage).

4. Refrigerant Charging

(AC system) ⇒ (Cooling operation)

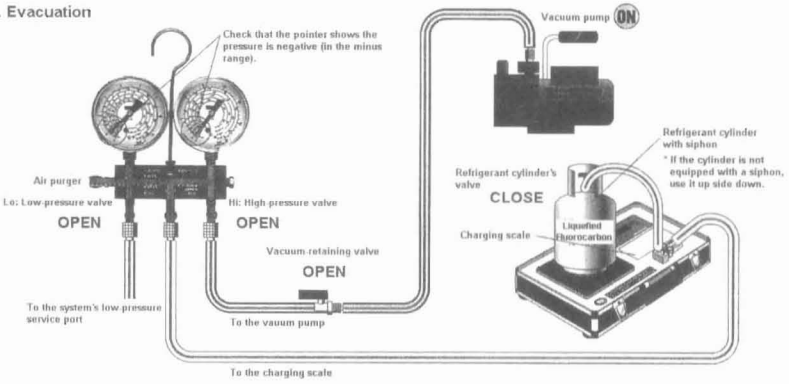


The amount of R22 refrigerant contained in a 1/4 charging hose from the manifold to the system's service port can be calculated on the basis on approx. 20 g/m (at 20 degree Celsius).

■Applications Part 2

Connections to systems equipped with a low-pressure (gas) service port only

1. Evacuation



2. Airtight Test

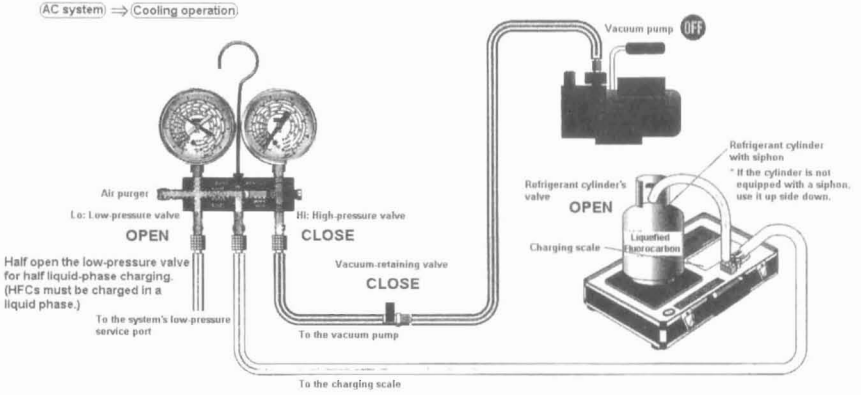
Hi: High-pressure valve **CLOSE** Vacuum-retaining valve **CLOSE**
Lo: Low-pressure valve **CLOSE** Refrigerant cylinder's valve **CLOSE**
* Turn off the vacuum pump.

→ After 5-10 minutes →

Check that the gauge pointer does not get back to 0 (there is no leakage).

3. Refrigerant Charging

(AC system) ⇒ (Cooling operation)



The amount of R22 refrigerant contained in a 1/4 charging hose from the manifold to the system's service port can be calculated on the basis on approx. 20 g/m (at 20 degree Celsius).

Warranty

Terms of Warranty

1. This product is to be repaired free of charge if a failure occurs despite proper use during the period of warranty.
2. This warranty is valid for 1 year starting from the date of purchase.
3. In any of the following cases, this product is to be excluded from free-of-charge repair.
   1) Failures incurred by improper use.
   2) Failures due to handling and storage beyond its specifications.
   3) Failures due to modifications or repairs not done by the manufacturer or its entrusted technicians.
   4) Failures due to consumable components.
   5) Other failures not deemed to be the manufacturer's responsibilities.

Product Name: **Gauge Manifold Kit**
Model: **TA120/122 series** Serial number:
Date of purchase: M: /D: /Y:
Period of warranty: For 1 year starting from M: /D: /Y:
Customer Name: _____ Address: _____ Phone number: _____
Dealer Address and name: _____

* To the dealer: Kindly take a few minutes and fill out the above form.

TASCO JAPAN CO., LTD.
1-2-16 Kawaguchi, Nishi-ku, Osaka 550-0021 JAPAN
Phone: 81-6-6584-0809 Fax: 81-6-6584-1056

-MEMO-