



# Recovering Refrigerant - Sanyo CHDXR09663\* Service Manual

2-way eco-i multi system



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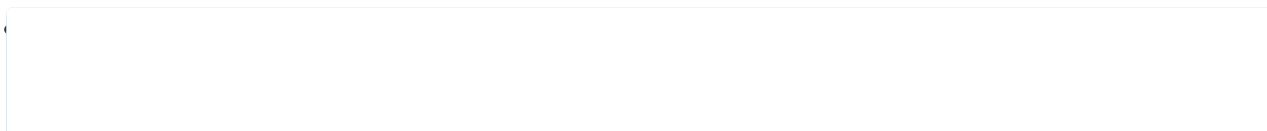
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## Bookmarks





## 5. Recovering Refrigerant

### The following equipment and tools are required:

Jumper wire with clips, adjustable wrench, set of manifold gauge valves specially designed for refrigerant R410A

only, vacuum pump, refrigerant recovery unit, pre-purged refrigerant cylinder for recovery, flathead screwdriver, and

outdoor unit maintenance remote controller.

### 5-1. Refrigerant Recovery Procedures (from outdoor unit)

(1) Turn off the power of the outdoor unit beforehand (at power mains).

(2) Fully close each service valve on the liquid tube, gas tubes, and the balance tube of the outdoor unit.

(3) Connect the outdoor unit's high-pressure and low-pressure outlet ports with the Hi and Lo sides of the manifold

gauge valves using hoses. (Fig. 9)

**CAUTION**



(4) Connect the manifold gauge valves, refrigerant recovery unit, and recovery cylinder using hoses. To avoid the entry of air into the refrigerant tubing, carry out this connection work carefully. (Fig. 9)

**CAUTION**

(5) Locate the AP (Air Purge) pins on the control PCB in the faulty outdoor unit and short them using the clips of the jumper wire. Then restore electrical power to the outdoor unit.

**CAUTION**

(6) Carry out refrigerant recovery.

**CAUTION**

Refrigerant

recovery unit

Refrigerant recovery cylinder

**The remaining refrigerant in the faulty outdoor unit may create internal pressure. Before connecting hoses, be sure to confirm that each of the manifold gauge valves is tightly closed. Note that the connection ports employ Schrader-type push-to-release valves.**

**For detailed procedures such as connecting the refrigerant recovery unit with the recovery cylinder and methods used for recovery, follow the specific instructions that came with the refrigerant recovery unit.**

**By short-circuiting the AP pins, each solenoid valve in the outdoor unit is forcibly opened as soon as power comes on, which releases all remaining refrigerant into the recovery cylinder. Since neglecting this procedure may leave some refrigerant in the system, it is important that you carry out this step.**

**To determine the completion of refrigerant recovery, follow the instructions that came with the refrigerant recovery unit.**

Manifold

gauge

Lo

Hi

High-pressure outlet

port (For 5/16" (7.94mm)

-dia. connector)

Low-pressure outlet port

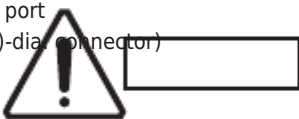
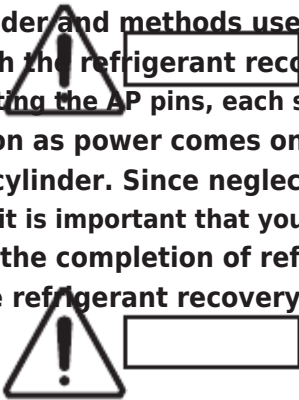
(For 5/16" (7.94mm)-dia. connector)

**Fig. 9**

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*W-2WAY ECO-i SYSTEM*

*Outdoor Unit Repair Procedures*



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