



# Checking For Leakage After Repair - Sanyo CHDXR09663\* Service Manual

2-way eco-i multi system



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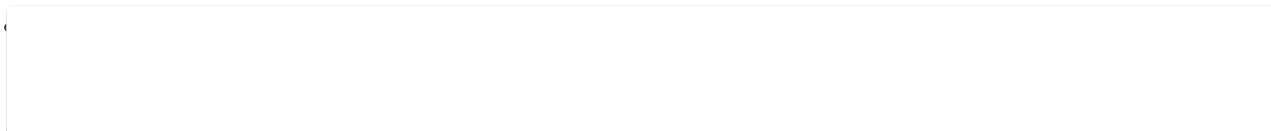
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## Bookmarks





## 6. Checking for Leakage After Repair

### 6-1. Pressure Check for Leakage of Outdoor Unit

After completing repair of the outdoor unit, carry out the following leakage check.

(1) Check that all service valves for gas tubes, liquid tube, and balance tube in the repaired outdoor unit (units

necessary to carry out the pressurized leak check) are fully closed.

(2) Connect the manifold gauge valves to the high- and low-pressure outlet ports of the outdoor unit.

(3) Feed nitrogen gas into the circuit until 72.5 psi pressure is reached. If it is apparent that the nitrogen gas is not entering the repaired section, interrupt the feeding. Short-circuit the AP pins (CN102) on the outdoor unit control

PCB, turn on power to run the outdoor unit, then resume feeding nitrogen.

(4) Apply soapy water to the repaired part (such as a newly brazed part), and briefly inspect for any leakage. If there

are any leaks, bubbles will show on the tubing surface.



\* To continue the air-tight check after the brief leak inspection, turn on power while short-circuiting the AP pins.

Again feed nitrogen gas to obtain a system pressure of 72.5 psi. Then measure both the outdoor ambient

temperature and the pressure in the system. Leave the system in this state for 1 full day and night, and again measure the outdoor ambient temperature and pressure (to determine any reduced values). During the inspection, it is recommended that an awning or cover be used to shield the unit in case of rain. If no problem is found, purge all nitrogen from the system.

Nitrogen gas

## 6-2. Checking for Leakage in Refrigerant Tubing Between Indoor and Outdoor Units

Refer to the "Installation Instructions" that came with the outdoor unit.


Manifold

gauge

Lo

Hi

### Fig. 12



sure outlet port  
(7.94mm)-dia.  
)  
ure outlet port  
(7.94mm)-dia. connector)  
ECO-i SYSTEM  
Unit Repair Procedures

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Quick Links:

[Outdoor Unit Control Panel Led Display](#)

## Related Manuals for Sanyo CHDXR09663\*

[Air Conditioner Sanyo XM18AAB Installation Instructions Manual](#)

W-2way system air conditioner (50 pages)

[Air Conditioner Sanyo ECO-i AHX0752 Technical Data Manual](#)

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[Air Conditioner Sanyo MINI ECO-i XHX1252 Service Manual & Test Run Service Manual](#)

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Indoor unit (4 pages)

[Air Conditioner Sanyo THX1852 Manual](#)

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[CM2472 Precautions Before Performing Inspection Or Repair](#)

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[SAP-C302AH-S Check Before And After Troubleshooting](#)

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