Checking Electrical Components; Measurement Of Insulation Resistance - Sanyo SAP-C302AH-S Technical & Service Manual

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Troubleshooting

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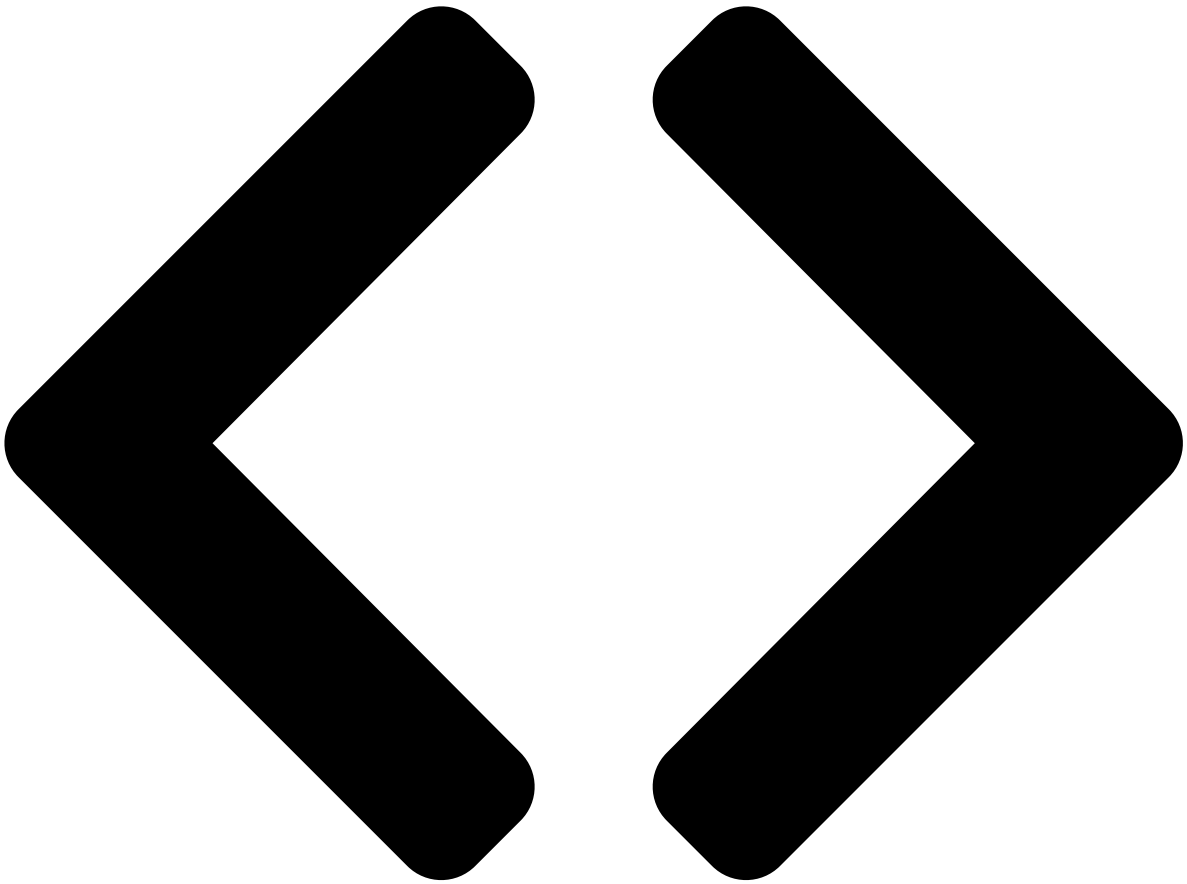
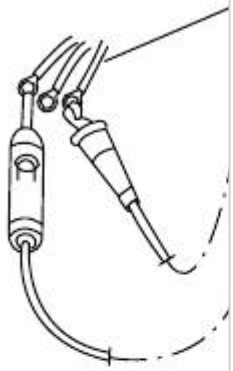
Bookmarks



10. CHECKING ELECTRICAL COMPONENTS

10-1. Measurement of Insulation Resistance

The insulation is in good condition if the resistance exceeds 2MΩ.



10-1-1. Power Supply Wires

Clamp the ground wire of the power supply wires with the lead clip of the insulation resistance tester and measure the resistance by placing a probe on either of the power wires. (Fig. 1)

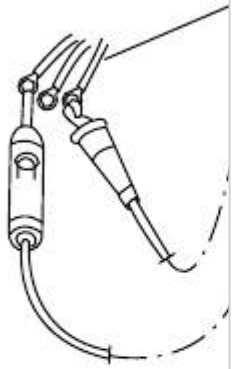
Then measure the resistance between the ground wire

and the other power wire. (Fig. 1)

10-1-2. Indoor Unit

Clamp an aluminum plate fin or copper tube with the lead clip of the insulation resistance tester and measure the resistance by placing a probe on each terminal screw on the terminal plate. (Fig. 2)

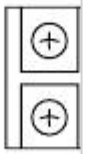
Note that the ground line terminal should be skipped for the check.



10-1-3. Outdoor Unit

Clamp a metallic part of the unit with the lead clip of the insulation resistance tester and measure the resistance by placing a probe on each terminal screw where power supply lines are connected on the terminal plate. (Fig. 2)

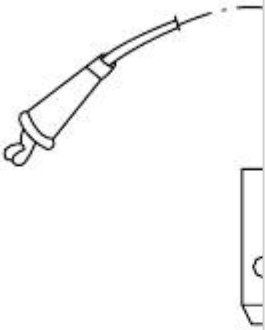
10-1-4. Measurement of Insulation Resistance for Electrical Parts



Disconnect the lead wires of the desired electric part from terminal plate, capacitor, etc. Similarly disconnect the connector. Then measure the insulation resistance. (Figs. 3 and 4)

Refer to Electric Wiring Diagram.

If the probe cannot enter the poles because the hole is too narrow then use a probe with a thinner pin.



Clip
Probe
Clip
Copper
tube or
metallic part
Clip
Copper
tube or
metallic part
Metallic
part
Clip
38
Ground wire
Insulation
tester
Terminal plate
Probe
Insulation
tester
Probe

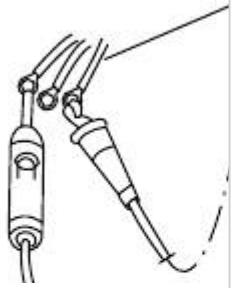
Insulation
tester
From fan motor,
compressor and
other parts
Probe
Insulation
tester

Fig. 1

Fig. 2

Fig. 3

Fig. 4



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Related Manuals for Sanyo SAP-C302AH-S

Air Conditioner Sanyo SAP-K9AP Instruction Manual

Split system air conditioner (37 pages)

Air Conditioner Sanyo SAP-K18AM Instruction Manual

Split system air conditioner (37 pages)

Air Conditioner Sanyo SAP-K77RAX Technical & Service Manual

Split system air conditioner (68 pages)

Air Conditioner Sanyo SAP-KMRV74EH Installation Instructions Manual

Inverter multi split system air conditioner (28 pages)

Air Conditioner Sanyo SAP–K91GJA (?2) Technical & Service Manual

Multi-split system air conditioner (50 pages)

Air Conditioner Sanyo SAP-CMRV3656EH Technical & Service Manual

(70 pages)

Air Conditioner Sanyo SAP–K181AHA–S Technical & Service Manual

(78 pages)

Air Conditioner Sanyo SAP-KRV91EH Technical & Service Manual

Inverter split system air conditioner (82 pages)

Air Conditioner Sanyo SAP – K92AH Technical & Service Manual

(52 pages)

Air Conditioner Sanyo SAP-CMRV3143GJ Technical & Service Manual

Dc inverter multi-system air conditioner (39 pages)

Air Conditioner Sanyo SAP-KV94GJH Instruction Manual

Dc inverter split system air conditioner (11 pages)

Air Conditioner Sanyo SAP–KM97AHA Technical & Service Manual

Multi-split system air conditioner (50 pages)

Air Conditioner Sanyo SAP-K161GJA Technical & Service Manual

Split system air conditioner (86 pages)

Air Conditioner Sanyo UR9X Installation Instructions Manual

Split system air conditioner (52 pages)

Air Conditioner Sanyo SAP-KV94GJ Manual

(33 pages)

Air Conditioner Sanyo SAP-K77GHAX Technical & Service Manual

(164 pages)

Related Content for Sanyo SAP-C302AH-S

SAP-K71GJHA Checking Electrical Components

Sanyo SAP-K71GJHA

STW-2 Series Checking Electrical Components

Sanyo STW-2 Series
SA-123AH Checking Electrical Components
Sanyo SA-123AH
SA-93A Checking Electrical Components
Sanyo SA-93A
SAP-KM97GHS5A Checking Electrical Components
Sanyo SAP-KM97GHS5A
SA-123A Checking Electrical Components
Sanyo SA-123A
SPW-D253G56 Checking The Electrical Components
Sanyo SPW-D253G56
SAP–CMR2428E Checking Electrical Components
Sanyo SAP–CMR2428E

This manual is also suitable for:

Sap-k302ah-sSap-k302ahSap-c302ah185208378185208419