

Troubleshooting - Toshiba RAS-10SAVP-E Service Manual

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Troubleshooting

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Bookmarks



Toshiba ilmalämpöpumppujen myynti, huolto ja asennus: Jäähdytinpalvelu RefGroup Oy, Vantaa

11-7. Troubleshooting

11-7-1. How to Check Whether the Air Purifier is Good or Not

Turn off the power breaker once, and turn on again after 10 seconds.

Does the OPERATION indicator flash?

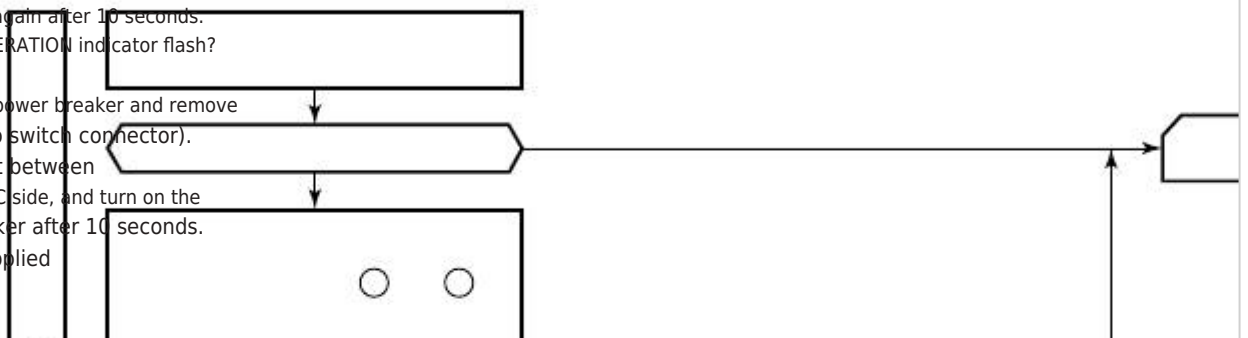
YES

Turn off the power breaker and remove CN41 (Micro switch connector).

Short-circuit between of CN41 at PC side, and turn on the power breaker after 10 seconds.

Is DC12V applied between

1



(Red/DC12V) and (Brown/GND) of CN1 of the high-voltage generator?

YES
Is there conduction of micro-switch connector under OFF status of the micro-switch (Front panel opened)?

NO
Is there conduction of micro-switch connector under ON status of the micro-switch (Front panel closed)?

YES
1) Check operation while short-circuiting CN41 of the main P.C. board.
2) Perform air purifying operation by the remote controller.
• In this time, check that the remote controller is in status which is shortened by time on the reactivation preventive timer and all display indicators go on for approx. 3 seconds when a signal is received.

If time on the reactivation preventive timer is not shortened, (the high-voltage is not applied to electrode of the air purifier for approx. 1 hour.
• While the air purifier operates, check that the fan speed [AUTO] is not displayed. (Because the power ON/OFF is controlled on the program)

Does the indoor fan rotate?

YES
Does the PURE indicator (Blue) or the FILTER indicator (Orange) go on?

YES
Does the PURE indicator go off within 2 seconds after it was ON, and does the FILTER indicator (Orange) go on?

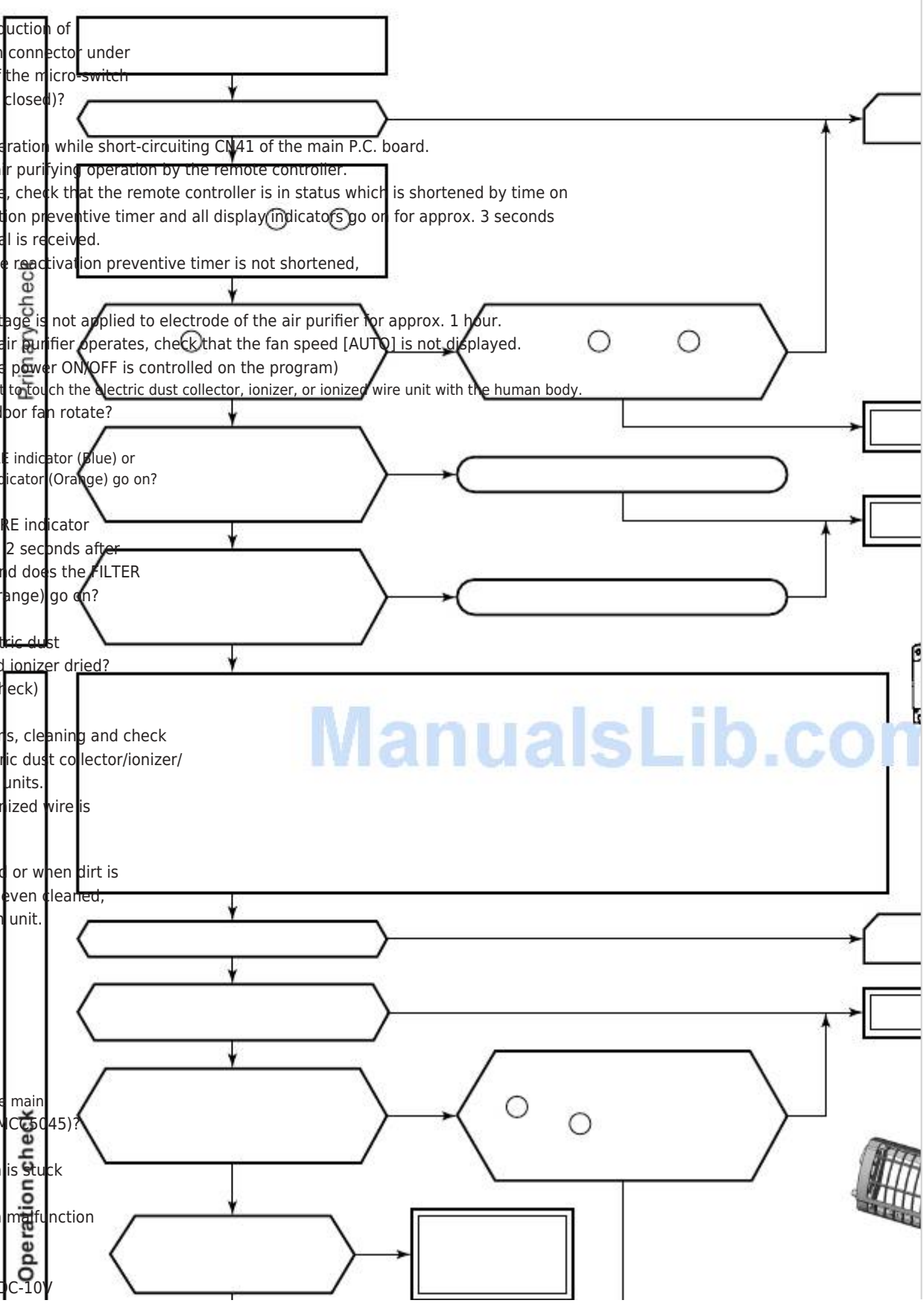
YES
Are the electric dust collector and ionizer dried? (Electrode check)

YES
Refer to items, cleaning and check for the electric dust collector/ionizer/ionized wire units.

When the ionized wire is (disconnected or when dirt is not cleaned even cleaned, replace each unit.

NO
1 and 2 pin NO between of CN42 of the main P.C. board (NCC5045)?

YES
Micro-switch is stuck
NO
Micro-switch malfunction
NO
NO
Is DC-5V to DC-10V



NO
 (Brown/Negative voltage)
 4
 and
 of CN42 of the main
 Dry the electric
 NO
 dust collector
 and ionizer.

Referring to the right figure, check the high-output voltage of the air filter unit.

(NOTE)

Use an exclusive high voltage tester; otherwise the tester may be broken.

Is output of the ionizer approx. 4.0 kV to 4.8 kV?

Is output of the collector approx. 3.0 kV to 3.8 kV?

)

Are the electric dust collector/ionizer ionized

YES

Is an abnormal sound (cracking noise) heard

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Is DC12V applied

NO

1 (+) and

2 (-)

YES

)

applied between

NO

2 (Brown/GND)

P.C. board?

YES

YES

NO

YES

NO

wire units dirty?

from the electrode?

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To item "Power supply is not turned on"

Replace the main P.C. board (MCC5045)

Replace micro-switch.

• Conduction check of micro-switch

Push the switch

ON

→ ON

Release the switch

→ OFF

Tester

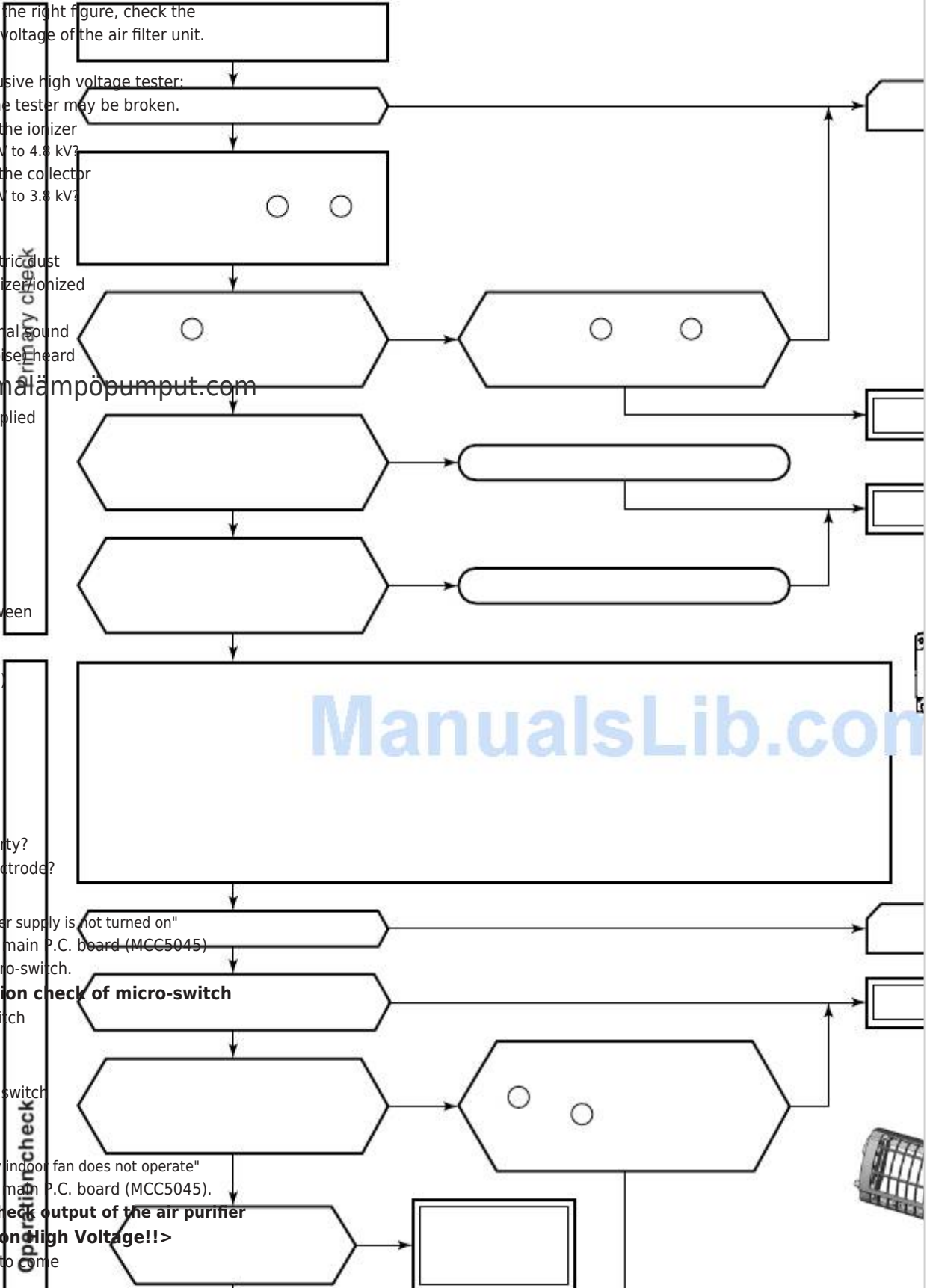
To item "Only indoor fan does not operate"

Replace the main P.C. board (MCC5045).

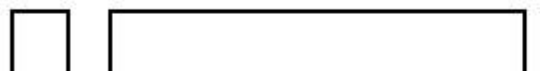
• How to check output of the air purifier

<Caution on high Voltage!!>

Be sure not to come



to contact to the gray
part or not to touch
the ionized cables.
High-voltage tester
Replace the high-voltage generator.
No trouble
Collector
output
GND
Ionizer
output



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Related Manuals for Toshiba RAS-10SAVP-E

[Air Conditioner Toshiba RAS-B10SKVP-E Installation Manual](#)

(148 pages)

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(120 pages)

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