



# Air Purifying Control [Detection Of Abnormality] - Toshiba RAS-B10SKVP-E Service Manual



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18

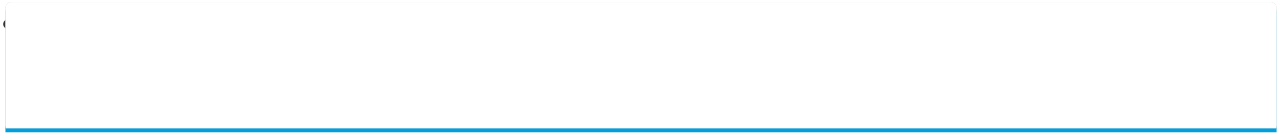
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67  
68

69  
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97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118

119

Table Of Contents

120



•

[Table of Contents](#)

- 

Troubleshooting



•

## Bookmarks





**Item**

12. Air purifying control [Detection of abnormality]

YES

Filter lamp (1Hz) ON

Air purifier power OFF

1

13. Discharge temperature control

**Td value**

117°C

112°C

108°C

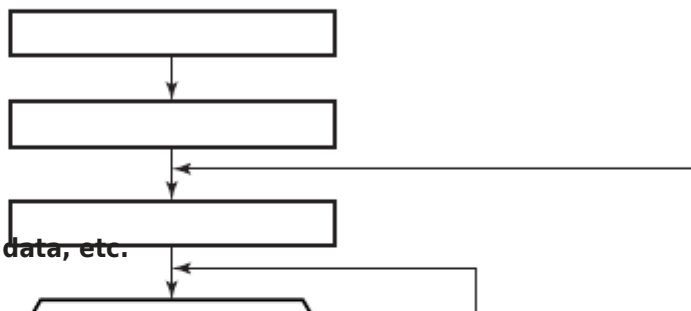
105°C

98°C

More user manuals on

**Operation flow and applicable data, etc.**

Air purifying operation



PURE lamp ON  
 Air purifier power ON \*  
 Air purifier  
 power estimates  
 1000H

NO  
 NO

Error input is detected

YES

Air purifier power OFF

Error input

NO

was detected by

5 times or more

YES

Approx. 10 minutes

passed from the error input

was detected

YES

Filter lamp (1Hz) ON

2

□

Reset by RESET button.

□

Reset by RESET button or by the stop direction  
 from the remote controller.

\* When the breaker is turned [ON] or RESET  
 button is pushed while the FILTER indicator is  
 turned on, the air purifier is not turned on until  
 the integrated operation time of the indoor fan  
 exceeds 1 hour after operation start.

It is the safety measures considering an incom-  
 plete drain when electric dust collector has been  
 cleaned with water.

**Control operation**

Judges as an error and stops the compressor.

Reduce the compressor speed.

Reduce slowly compressor speed.

Keeps the compressor speed.

If the operation is performed with lower speed than  
 one commanded by the serial signal, speed is slowly  
 raised up to the commanded speed.

Operates with speed commanded by the serial signal.

[ManualsBase.com](http://ManualsBase.com)

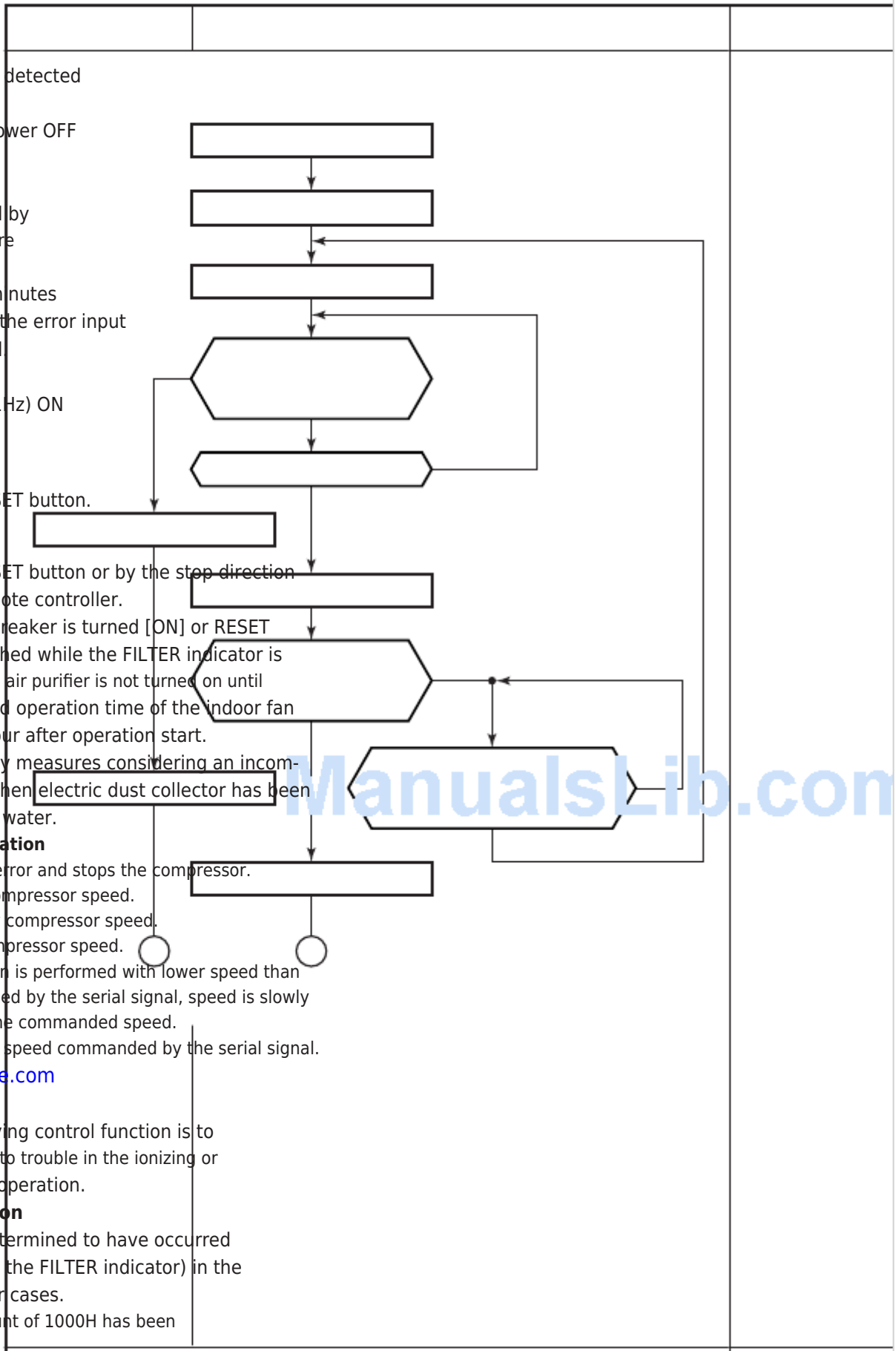
**1. Purpose**

The air purifying control function is to  
 alert the user to trouble in the ionizing or  
 air purifying operation.

**2. Description**

Trouble is determined to have occurred  
 (indicated by the FILTER indicator) in the  
 following four cases.

1) When a count of 1000H has been



reached on the timer

2) When the panel switch has been set to OFF by the opening of the air inlet grille, etc.

3) When an abnormal discharge caused by a symptom such as the build-up of dirt has been detected while the air purifier is ON

4) When the electric dust collector has not been installed correctly

\* Trouble case (2) or (3) is deemed to have occurred when the action concerned continues for more than one second.

**3. Operation**

The sequence that FILTER indicator is NO

turned on are described in the left flowchart.

1) When 1000H timer counts up, the FILTER indicator keeps lighting even if the operation is stopped by the remote controller.

The timer is stored in memory of the microcomputer, and the operation time is cleared by filter RESET button on the indoor unit.

(FILTER indicator goes off.)

2) If the air purifying error input was detected by 5 times or under, turn on the purifier again approx. 10 minutes after and judge it again.

If the air purifying error input was detected by 5 times or more, determine the error and turn on the Filter lamp.

**1. Purpose**

This function detects error on the refrigerating cycle or error on the compressor, and performs protective control.

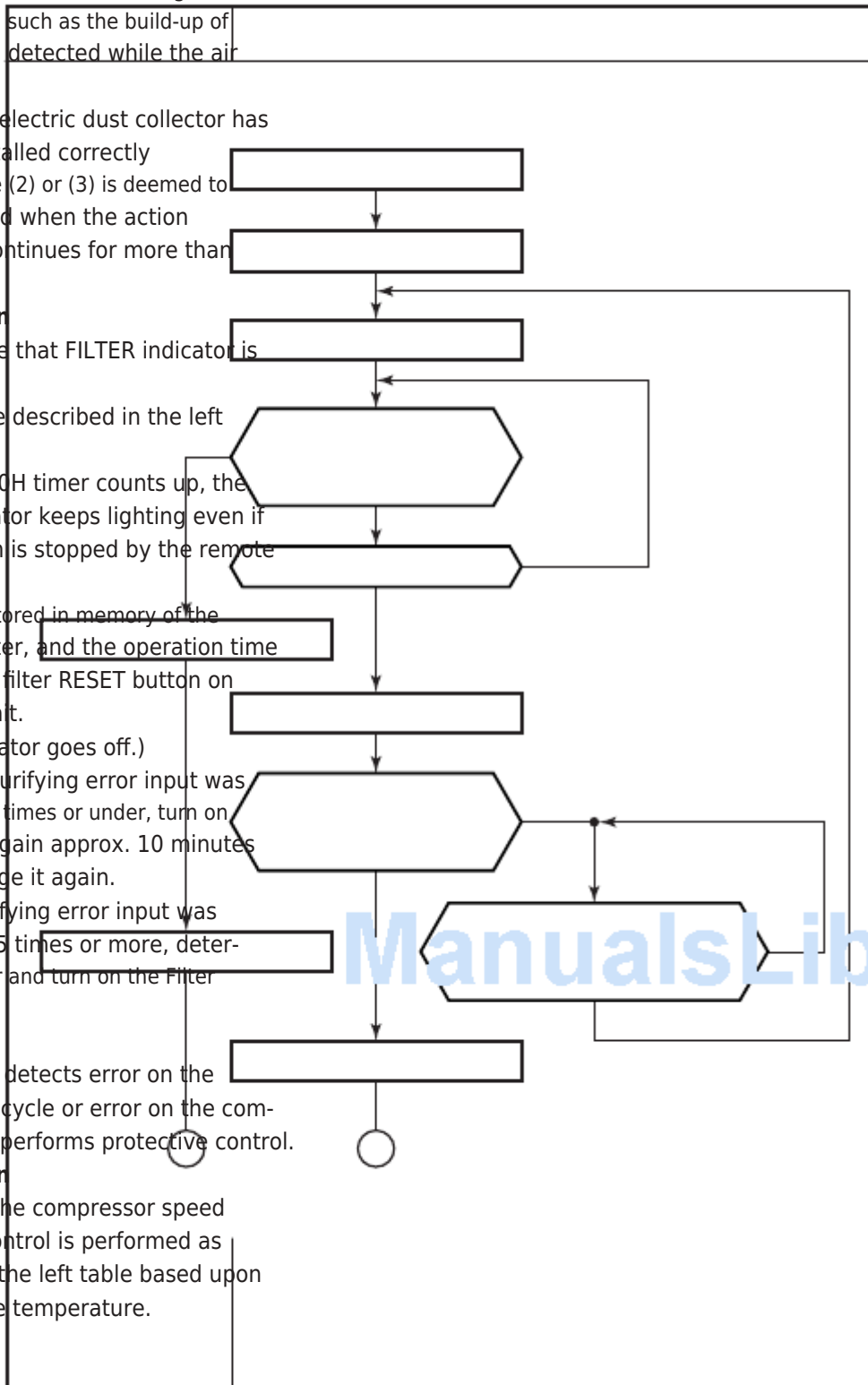
**2. Operation**

• Control of the compressor speed

The speed control is performed as described in the left table based upon the discharge temperature.

- 40 -

**Description**



[Previous Page](#)  
[Next Page](#)

1  
...  
37  
38  
39  
40  
41  
42  
43  
44



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[Indoor Unit](#)

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