



# Operation Description 9-2. 1. Basic Operation; Operation Control - Toshiba RAS-B10SKVP-E Service Manual

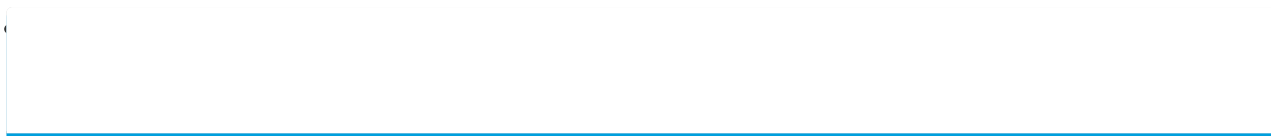
Split type air conditioner



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

19  
20  
21  
22  
23  
24  
25  
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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



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Troubleshooting



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## Bookmarks





**Item**

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

1. Basic

**1. Operation control**

operation

Receiving the user's operation condition setup, the operation statuses of indoor/outdoor units are controlled.

1) The operation conditions are selected by the remote controller as shown in the below.

2) A signal is sent by ON button of the remote controller.

3) The signal is received by a sensor of the indoor unit and processed by the indoor controllers as shown in the below.

4) The indoor controller controls the indoor fan motor and louver motor.

5) The indoor controller sends the operation command to the outdoor controller, and sends/receives the control status with a serial signal.

6) The outdoor controller controls the operation as shown in the left, and also controls the compressor, outdoor fan motor, 4-way valve and pulse motor valve.

Selection of  
operation conditions  
ON/OFF

Signal receiving

Indoor unit control

Operation command

Serial signal send/receive

Serial signal send/receive

Outdoor unit control

**Remote controller**

Control contents of remote controller

- ON/OFF (Air conditioner/Air purifier)
- Operation select (COOL/HEAT/AUTO/DRY)
- Temperature setup
- Air direction
- Swing
- Air volume select (AUTO/LOW/LOW+/MED/MED+/HIGH)
- Sleep mode
- ON timer setup
- OFF timer setup
- High power
- 8°C heat operation (-ND model only)

**Indoor unit**

Indoor unit control

- Command signal generating function of indoor unit operation
- Calculation function (temperature calculation)
- Activation compensation function of indoor fan
- Cold draft preventive function
- Timer function
- Indoor heat exchanger release control

**Outdoor unit**

Outdoor unit control

- Compressor speed control of inverter output
- Waveform composite function
- Calculation function

(Temperature calculation)

- AD conversion function
- Quick heating function
- Delay function of compressor reactivation
- Current release function
- GTr over-current preventive function
- Defrost operation function

- 29 -

**Description**

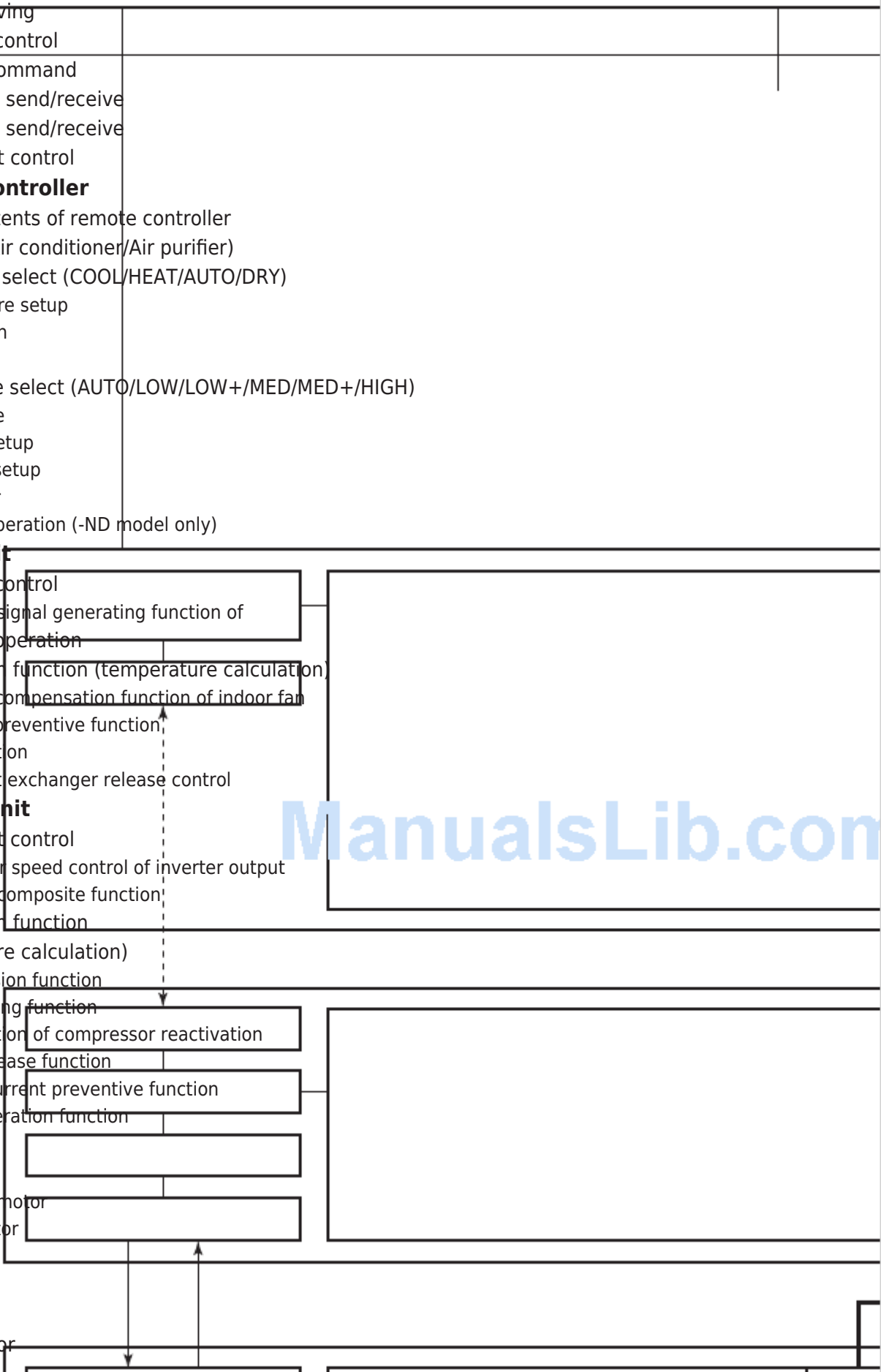
- Indoor fan motor
- Louver motor

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Inverter

- Compressor

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- Outdoor fan motor
- 4-way valve
- Pulse motor valve

(P.M.V.)

- Freeze prevention heater

(-ND model only)

## [Table of Contents](#)

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

1  
...  
26  
27  
28  
29  
30  
31  
32  
33

Quick Links:

[Specifications](#)

[How to Diagnose the Trouble](#)

[How to Replace the Main Parts](#)

[Exploded Views and Parts List](#)

## Chapters

[Table of Contents](#) 2

[Operation Description 9-2. 1. Basic Operation](#) 28

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(148 pages)



[Air Conditioner Toshiba RAS-4M23SAV-E Service Manual](#)

Split type (121 pages)

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(119 pages)

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

Split type (117 pages)

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[RAS-22BKV-A1 Operation Description](#)

Toshiba RAS-22BKV-A1

[MMY-MAP0806FT8P-E Basic Operation](#)

Toshiba MMY-MAP0806FT8P-E

[SHRM ADVANCE MMY-SUG0801MT8JP-E Backup Operation \(Emergency Operation\)](#)

Toshiba SHRM ADVANCE MMY-SUG0801MT8JP-E

[RAS-2M18G3AVG-TR Operation Description](#)

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[RAS-2M10G3AVG-E Operation Description](#)

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[RAS-5M34G3AVG-E Operation Description](#)

Toshiba RAS-5M34G3AVG-E

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