



# How To Diagnose Trouble In Outdoor Unit - Toshiba RAS-B10SKVP-E Service Manual

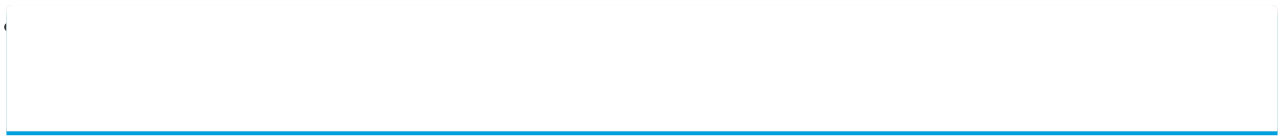
Split type air conditioner



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Troubleshooting



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## Bookmarks





## 11-8. How to Diagnose Trouble in Outdoor Unit

### 11-8-1. Summarized Inner Diagnosis of Inverter Assembly

#### Diagnosis/Process flowchart

Remove connector  
of compressor.

NG

Check 25A fuse  
(Part No.F01).

OK

Replace fuse.  
capacitor, diode  
block (DB01),

Check

NG

terminal voltage  
of electrolytic


capacitor.  
 OK  
 capacitor, diode  
 NO  
 Does outdoor  
 fan rotate?  
 YES  
 Remove connector  
 CN300 of outdoor fan  
 NG

motor, and using a  
 tester, check resistance  
 value between every  
 phases at motor side.

Replace  
 outdoor  
 fan motor.

A  
**Item**  
 Preparation  
 Check  
 Check  
 Check  
 electrolytic  
 etc.  
 Check  
 electrolytic  
 (DB01),  
 etc.  
 Operation  
 Measure-  
 ment  
 Check  
 Stop  
 OK  
 Check  
 Measure-  
 ment

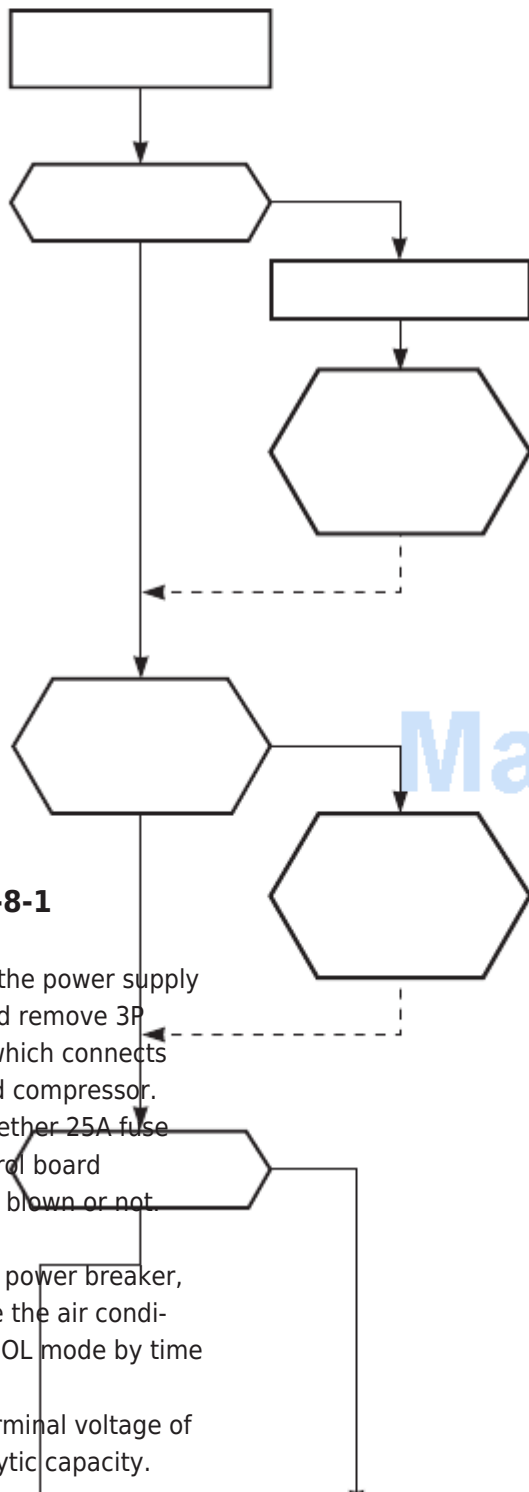
B  
**Table 11-8-1**  
**Contents**

Turn "OFF" the power supply  
 breaker, and remove 3P  
 connector which connects  
 inverter and compressor.

- Check whether 25A fuse  
 on the control board  
 assembly is blown or not.  
 (F01)

Turn on the power breaker,  
 and operate the air condi-  
 tioner in COOL mode by time  
 shortening.

Measure terminal voltage of  
 the electrolytic capacity.



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[ ]

500μF:400WV × 3

After operation, turn off the power breaker after 2 minutes 20 seconds passed, and discharge the electrolytic capacitor by soldering iron.

Check voltage between motor phases.

• Is not winding between

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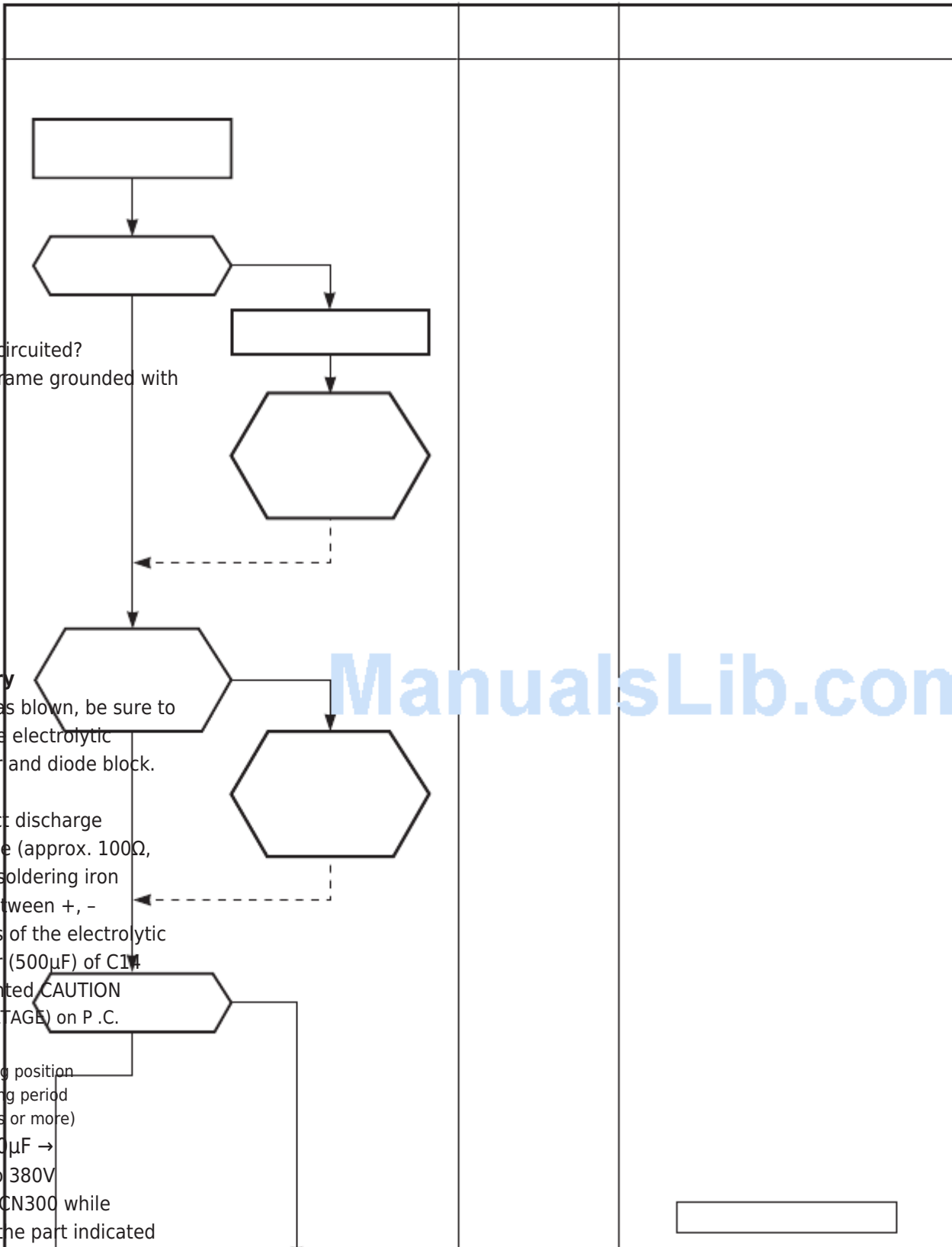
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or short-circuited?

• Is not frame grounded with

- 82 -

**Summary**

If fuse was blown, be sure to check the electrolytic capacitor and diode block. (DB01)

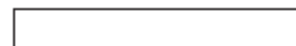
• Connect discharge resistance (approx. 100Ω, 40W) or soldering iron (plug) between +, - terminals of the electrolytic capacitor (500μF) of C11 (with printed CAUTION HIGH VOLTAGE) on P.C. board.

Discharging position (Discharging period 10 seconds or more)

OK if 500μF →

DC280 to 380V

Remove CN300 while pushing the part indicated



by an arrow because CN300 is a connector with lock.



-  
opened

→ Resistance between

phases should be

approx. 55 to 77Ω

→ Should be 10MΩ or

more.

Plug of  
soldering  
iron


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## Chapters

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### Related Manuals for Toshiba RAS-B10SKVP-E

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(148 pages)

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Split type (121 pages)

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[Air Conditioner Toshiba RAS-10SAVP-E Service Manual](#)

(119 pages)

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

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