

Technical Information

Big Room Air Conditioner

CU-B14DBE5 CU-B18DBE5
CU-B24DBE5 CU-B28DBE5
CU-B28DBE8 CU-B34DBE5
CU-B34DBE8 CU-B43DBE8
CU-B50DBE8

Subject : Big Rac Communication Error (F27-01)

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Symptom

An outdoor main electronic board (main PCB) of Big Rac (FS) may get damaged:

- after an EXTERNAL isolator switch (2 pole) is pressed or reset.
 - The isolator switch is installed between the power line (Life and Neutral) of the outdoor unit and the indoor unit. This installation is considered as modification.
- during removal or reconnection of indoor-outdoor power cable during power standby.

2 Cause

The damage to the outdoor PCB's communication line (F27-01) is due to the transient voltage passing through the communication line as a result of which a Life line (pole) being turned ON first and a Neutral line (pole) being turned ON later.

3 Remedy

a. Units Installed With Isolator Switch

- Connect the market treatment part (Code No.:A54C2033) to the outdoor unit communication terminal (between No.2-pin and No.3-pin).
- The treatment part should be tightened together with the indoor-outdoor communication cable.
- Connect the treatment part's white lead wire to No.2-pin of the terminal, and the treatment's part red lead wire to No.3-pin of the terminal.

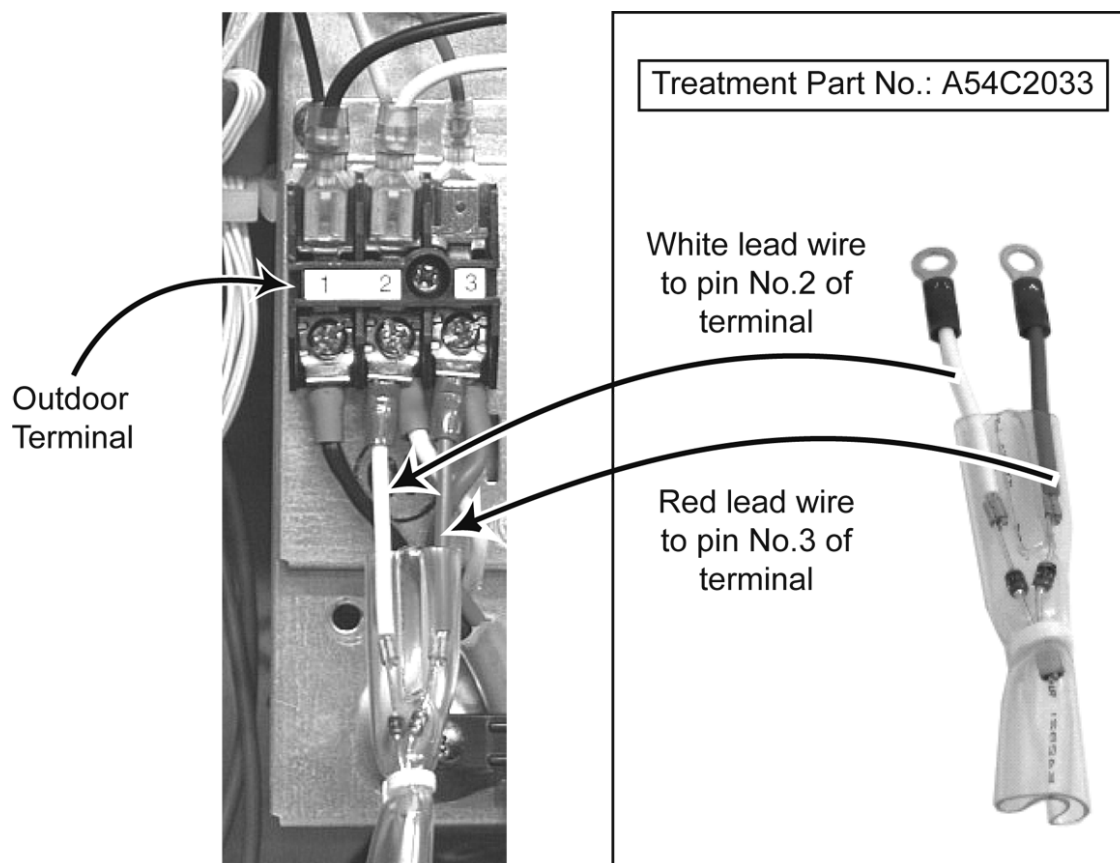
Remark:

- This part is not a spare part item. As such, it will be supplied by GCSC to market based on a request basis.
- This treatment part should be use for outdoor units produced before December 2006 and installed together with isolator

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switches.



b. Unit Installed Without Isolator Switch

There is no need to attach the treatment part (A54C2033) to terminal 2 and 3.

However, installers have to follow proper procedures. Do not to remove or reconnect any power cable connecting to an indoor unit DURING power standby as this may damage the outdoor PCB.

c. Mass Production

The outdoor PCB for mass production will be integrated with the additional protective components (ZD) from 1-December 2006 onwards, as an improvement against the transient voltage on the communication line.

d. Service Part

The spare part PCB will integrate the additonal protective components (ZD) from 1-Dec-2006 onwards.

MODEL	PCB: OLD PART NUMBER	PCB: NEW (*) PART NUMBER
CU-B14DBE5	CWA73C1900	SAME AS OLD PART NO.
CU-B18DBE5	CWA73C1901	SAME AS OLD PART NO.
CU-B24DBE5	CWA73C1902	SAME AS OLD PART NO.
CU-B28DBE5	CWA73C1904	SAME AS OLD PART NO.
CU-B28DBE8	CWA73C1905	SAME AS OLD PART NO.
CU-B34DBE5	CWA73C1906	SAME AS OLD PART NO.
CU-B34DBE8	CWA73C1907	SAME AS OLD PART NO.
CU-B43DBE8	CWA73C1908	SAME AS OLD PART NO.
CU-B50DBE8	CWA73C1909	SAME AS OLD PART NO.

(*) Improvement is effective from 1-Dec-2006

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