

PRODUCT AFFECTED:

JUNO-106

TO SERVICE ENGINEERS:

SUBJECT

COUNTERMEASURE TO MEMORY BACK UP BATTERY

We inform you that we have taken a modification to JUNO-106 to set longer battery life than now from the serial number 437300 (last June production). This information is issued for solution you can apply to JUNO-106 with the serial numbers 437299 and before when you have a chance to repair it.

PROBLEM

It was found that JUNO-106 is likely to break memory data in a short period as IC-4 40H000P on CPU BOARD draws a variance current ranging 250 micro ampere to zero.

CAUSE & SOLUTION

The "floating" inputs (pins 4 and 5) of the unused section of IC-4 40H000P are the cause of this problem. The solution is that they should be connected to ground point by using a jumper wire. Please refer to the attached drawing.

NOTE: If you have a chance to repair JUNO-106 on any problem, please take the following steps, certainly.

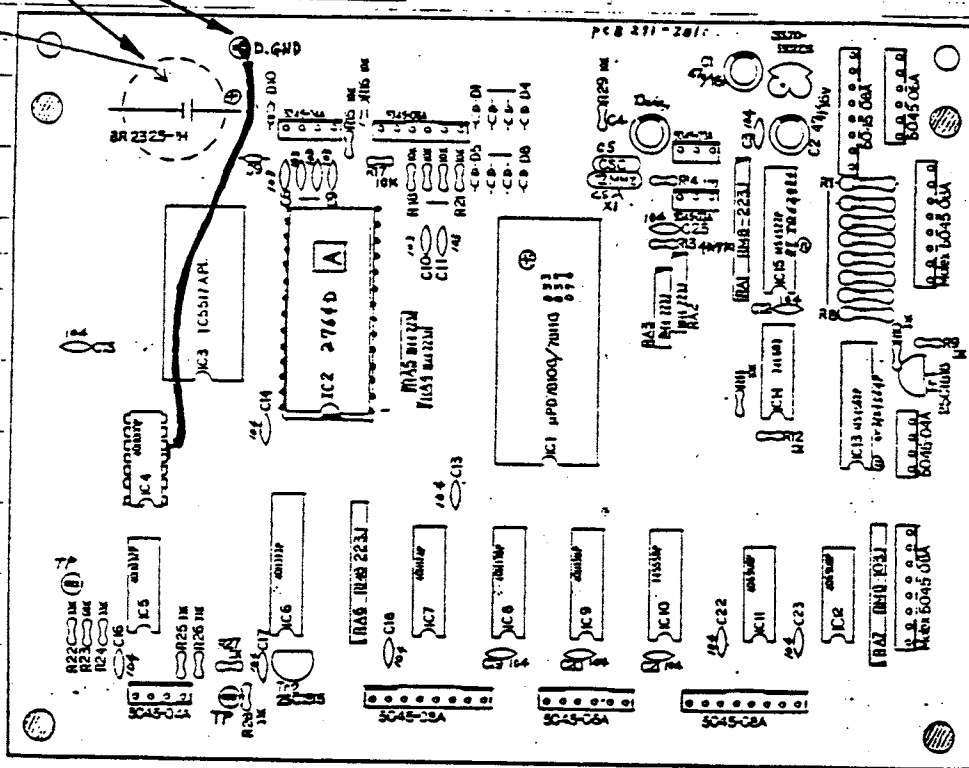
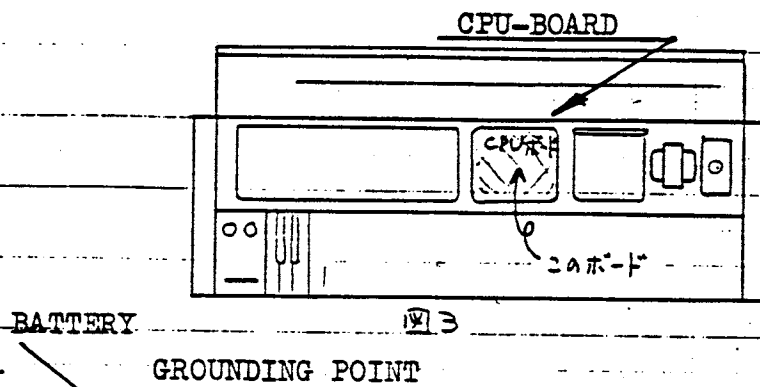
STEP-1: Check whether the battery voltage is more than 2.8V or not.

STEP-2: If the battery voltage is less than 2.8V, please replace the battery with new one and then take above modification to CPU BOARD.

STEP-3: If the battery voltage is more than 2.8V, you do not need to replace the battery but need to take the modification.

NOTE: Before proceeding above steps, please save DATA (group A and B) into an external cassette tape to keep a memorized DATA.

JUNO-106 MODIFICATION



NOTE: Firstly, connect a jumper wire to above ground point to prevent breaking IC from happening on, and then, connect the jumper wire to pins 4 and 5 of IC-4.



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Pins 4 and 5 must be connected to grounding point by using a jumper wire.