

TECHNICAL BULLETIN

Ikegami

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Date: July 23, 2007
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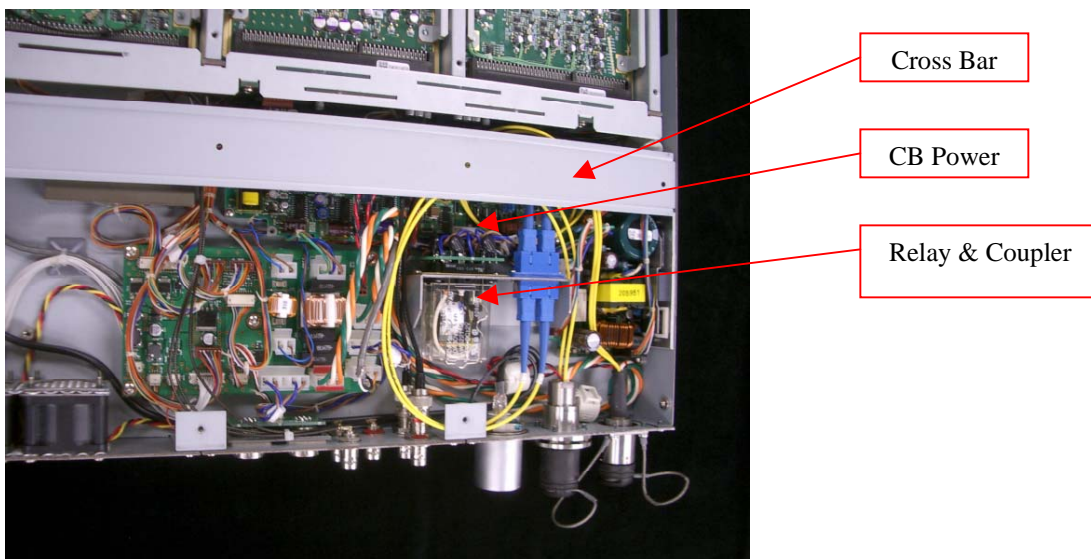
To: Distribution
Product: CB-79HD
Symptom: Loss of picture, usually after an hour or more

C53 on the CB Power board should be replaced due to potential for break down and potential loss of the 1.8 volt power output, and subsequent loss of picture and control in triax configuration.

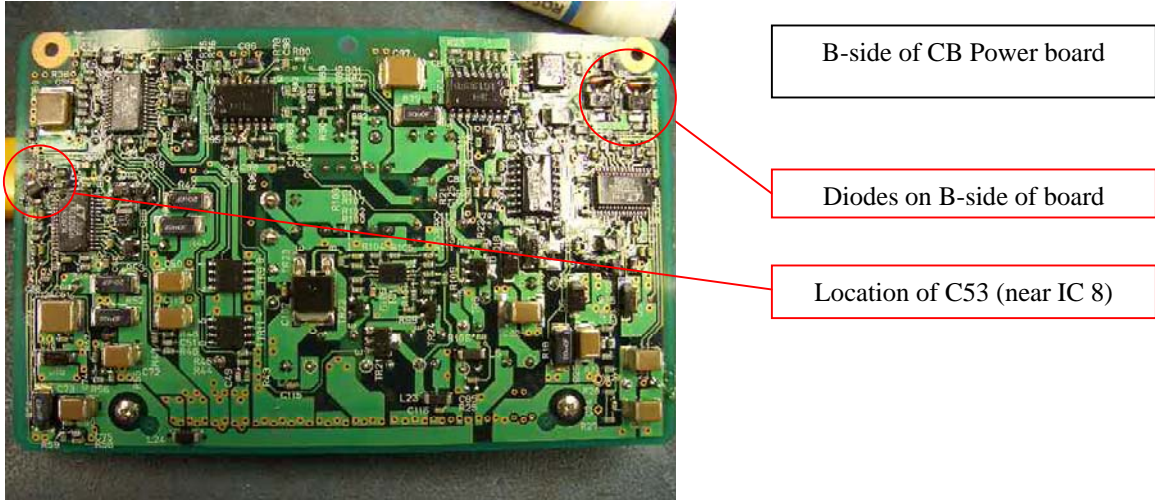
The CB Power board is located in the rear section of the CB-79HD, and C53 is located on B-side (under side) of this board. Therefore it is recommended to remove the CB-79HD from the rack, remove the top cover, and then remove the CB Power board.

Please follow this procedure:

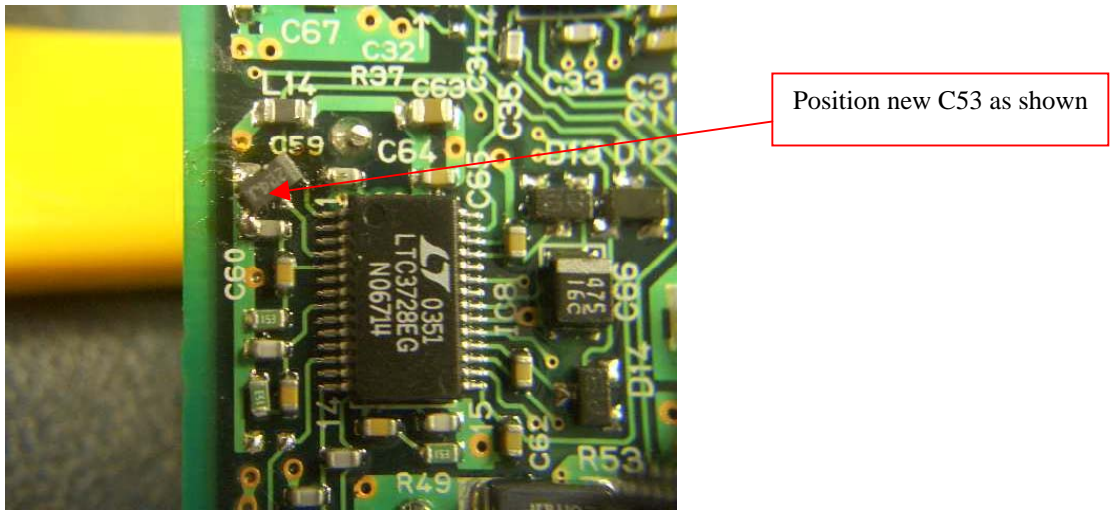
- 1) Remove the top cover of the CB-79HD. First unit must be removed from the rack. Then left and right rack mounts removed (4 screws on each side). (Please note there are two sets of screw holes for the rack mounts, allowing flush or extended rack mount position for the front panel.) Next remove the four screws on the top, and remove the top cover.
- 2) Access the CB Power board. To get access to the CB Power board, remove the cross bar towards rear of unit (2 screws on each side), and remove screws which hold the Relay & SC Coupler assembly in place (2 screws on the bottom of the unit). Push Relay & SC Coupler a half inch or so towards the rear of the CB-79HD for easy removal of the CB Power board.



- 3) Remove the CB Power board. Remove two small mounting screws and pull the CB Power board from its connection at the Sub J-board. **Caution:** raise the rear side of board a little when pulling back so components do not get clipped by the screw standoffs, especially the diodes shown below could be damaged.



- 4) Replace C53 with new 0.22uf capacitor (part # 267M3502 224MR). Note that this is polarized capacitor with negative side (white line) connected to pin 1 of IC8, and positive side connected to ground.



- 5) Restore CB Power, Cross Bar, Relay & SC Coupler assembly, top cover, and rack mounts.