

IKEGAMI TECHNICAL

# BULLETIN

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Date: May 2, 2003  
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**To:           Distribution**

**Product:     HTM-2050RA1, HTM-2050R2**

**Subject:     Recommended Modification to Def. Board and HV out board**

Operating in areas of high ambient temperature it is possible for D-502 or D-503 on the Def. Board to overheat and fail.

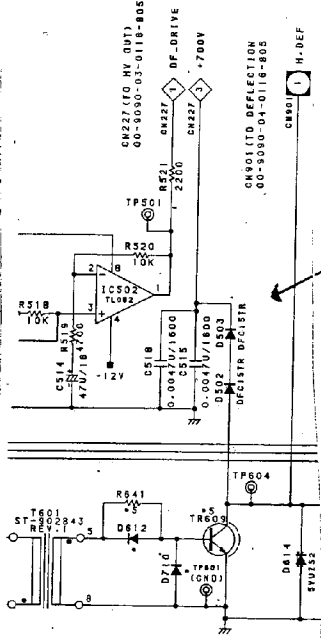
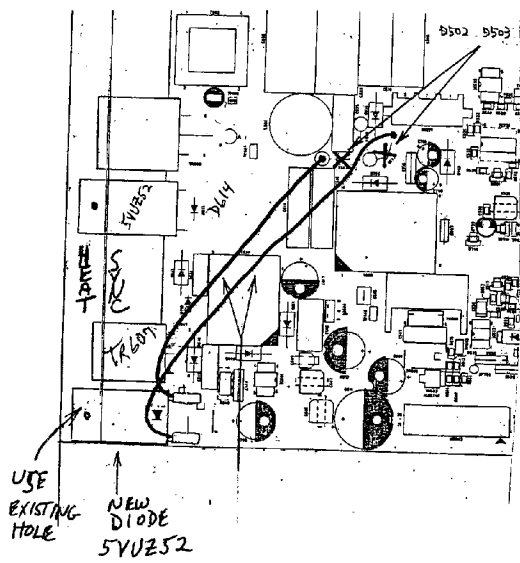
Modification Procedure: It will be necessary to remove the monitor covers and remove both the deflection and HV OUT boards. On the Def. Board mount a new diode to the bottom of large heat sync located on the deflection board. The new diode will be located below TR-607 and mounted in similar fashion to D-614 above TR-607. There is a screw hole already on the heat sync.

#### ON THE DEFLECTION BOARD

1. Remove Diodes D-502 and D-503 ( DFC15TR )
2. Add Diode 5VUZ52 and mount it to heat sync below TR-607 (described above)
3. Add insulated jumper wire from 5VUZ52 anode to anode hole of removed D-502
4. Add insulated jumper wire from 5VUZ52 cathode to cathode hole of removed D-503

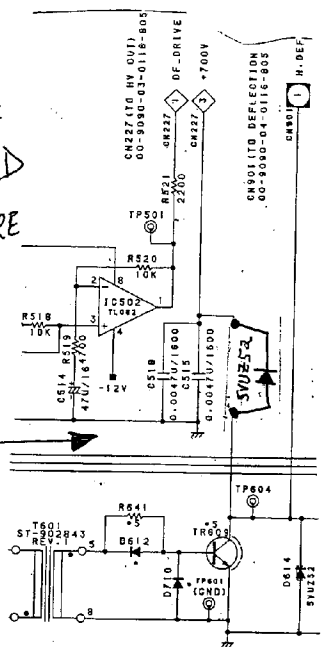
#### ON THE HV OUT BOARD

1. Replace C-11 1000p / 2kV with part number DE1207R102K
2. Locate pin 3 of CN-228, on the trace side, cut trace on both sides of pin 3 to isolate it.
3. Add insulated jumper wire from C-11 (side that was isolated by pin 3 cut) to Collector of TR4 (isolated by other pin 3 cut)
4. Add diode RG2A2, Cathode to C-11 (side that was isolated by pin 3 cut) Anode to pin 3.



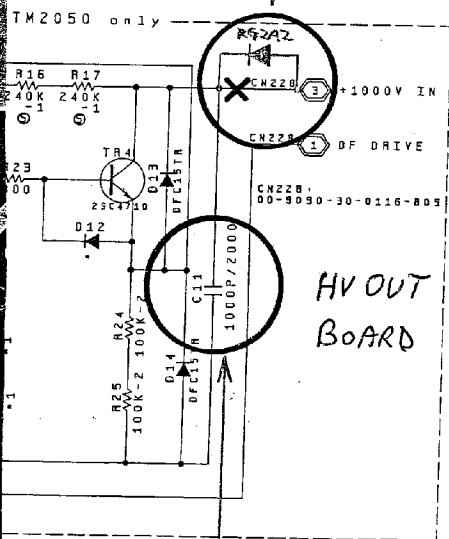
DEF BOARD

BEFORE



AFTER

USE EXISTING HOLE  
NEW DIODE 5YU252



NEW DIODE R92A2

HV OUT BOARD

REPLACE WITH DE1207R102K