



**Display**

Date: **October 19, 1998**

Subject: **MODIFY ASPECT RATIO FROM 4:3 TO 16:9**

Model: **HDM-2830**

Serial No: **ALL**

**DESCRIPTION**

To modify the aspect ratio from "4:3" to "16:9" in 480p mode, implement the following modification procedure.

**PARTS REQUIRED**

Part No.	Description	Qty.
1-215-449-00	Res, 15kΩ	2

**MODIFICATION PROCEDURE**

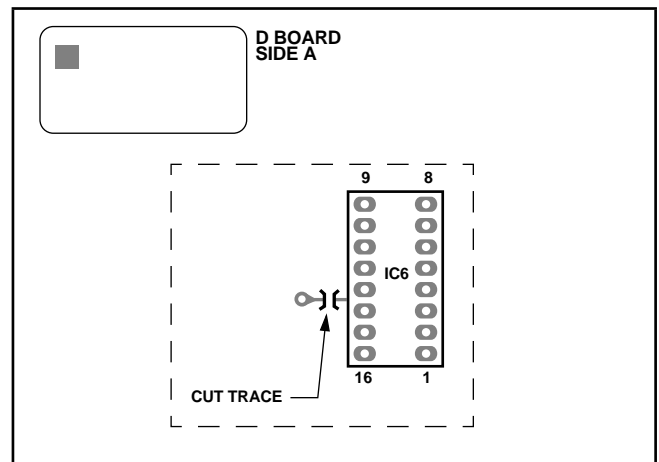
Also required: 3 jumper wires

**D Board, Side A  
(See Figure 1.)**

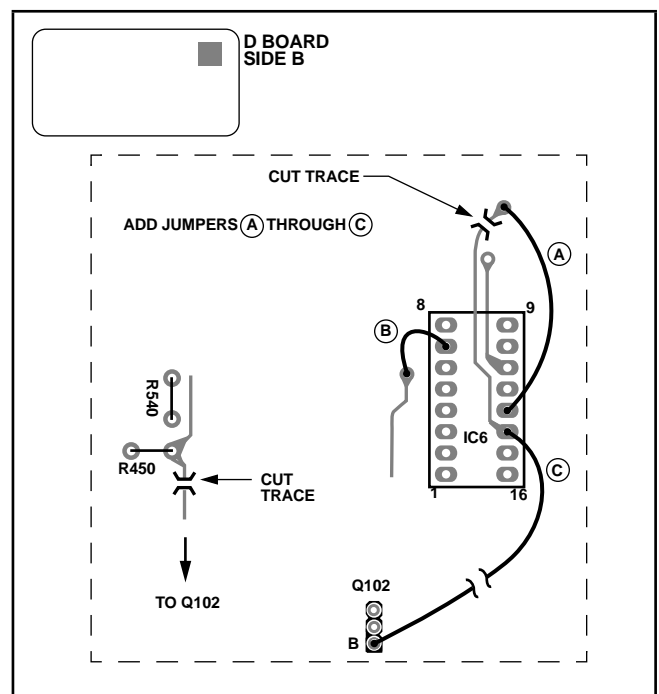
1. Cut trace between IC6 pin 14 and R450.

**D Board, Side B  
(See Figure 2.)**

2. Replace 8.2kΩ resistors R529 and R532 with 15kΩ resistors.
3. Cut trace between IC6 pin 14 and Q111.
4. Cut trace between R450 and Q102.
5. Solder jumper A between IC6 pin 13 and trace cut in step 3.
6. Solder jumper B between IC6 pin 7 and trace cut in step 1.
7. Solder jumper C between base of Q102 and IC6 pin 14.
8. Adjust picture distortion and convergence.
9. Copy D65 white balance data according to Operation and Maintenance Manual.



**Figure 1**



**Figure 2**