

Date: July, 1989

Subject: **OSCILLATION ON DATA LINES WHEN
 USING 74HC244 DATA BUFFERS**

Model: **APR-24**

Serial No: **10,001-10,122**

DESCRIPTION

Oscillation may occur on the CNL data lines due to an instability caused by the multiple feedback loops provided by the data lines, the buffers, and their interconnecting power lines.

To correct this problem, change the addressing of CNL IC28 (74HC244) from "continuous" to "selected" by modifying each CNL Board as described in the following procedure.

NOTE: Units with serial numbers 10,117 and 10,120 were factory modified.

MODIFICATION PROCEDURE

CNL Board

Solder Side (See Figure 1.)

1. Cut trace between IC28-1 and IC28-10.
2. Cut trace between IC28-1 and C130.
3. Add jumper between IC28-10 and IC30-10.
4. Add jumper between IC28-1 and IC34-3.
5. Secure both jumpers with SONY Bond SC-108.

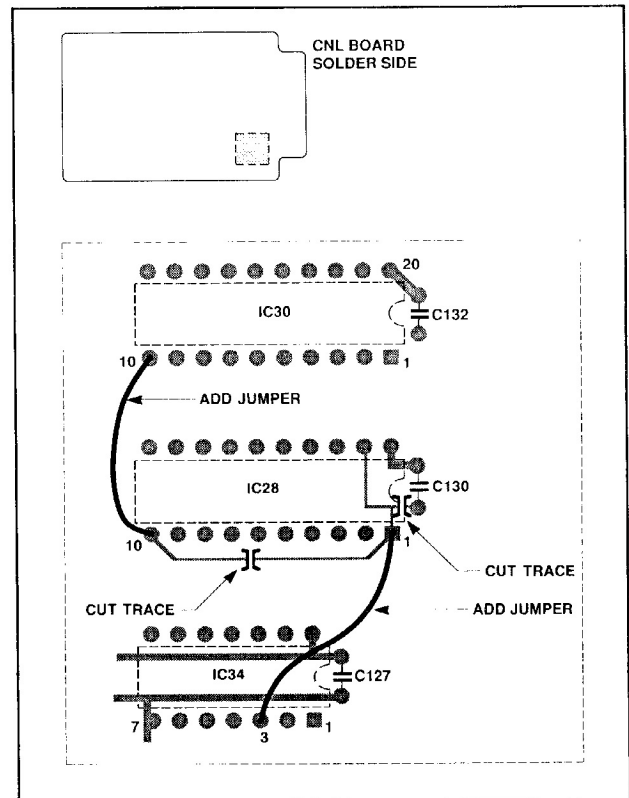


Figure 1