



## SERVICE BULLETIN

No. **92-013**

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- Optional
- Recommended
- Mandatory

### Sony/MCI JH24/JH110 Machine Modification

DATE: //

MODEL: Sony/MCI JH24/JH110 "Y" Cables

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#### WARNING

The following modification **must** be performed to the machine remote control unit. If not, the Lynx Module or Micro Lynx will be immediately **damaged** when a Y cable is used to simultaneously connect the remote.

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#### DESCRIPTION:

MCI JH Series machines were not originally designed to operate with an external synchronizer. A simple wiring modification is required to the transport switches, in the remote control unit, to permit synchronization when using the Remote. The original wiring supplies +22 volts to the lamp terminals and the normally closed contacts of the switches. This modification removes +22 volts from the normally closed switch contacts. An external device can then issue commands to the machine without shorting out the tape machine's power supply.

#### TOOLS:

Allen Key      Soldering Iron

#### PROCEDURE:

1. Remove the Remote transport control switch panel to expose the rear of the switches.
2. Locate terminal 2 of the five motion control switches (Record, Play, Stop, Fwd & Rwd). Unsolder the ends of all wires connected to terminal 2.
3. If there was a single wire connected to terminal 2 then unsolder the other end from switch lamp terminal "b" and discard the wires as indicated in Figure 1. Go to step 7.
4. If there were two wires connected to terminal 2 then unsolder and discard the wires that are jumpered to terminal "b" of the adjacent switches as indicated in Figure 2.

5. Connect the other wire to terminal "b" of each adjacent switch so that all switch "b" terminals are jumpered together. Unsolder and discard the spare wire from the last switch.
6. Connect the white (+22V) supply wire to terminal "b" of the Record switch.

**PROCEDURE continued:**

**Figure 1. Wire Modification, Version 1**

**Figure 2. Wire Modification, Version 2**

7. There should now be no wires connected to terminal 2 of the transport switches and the wiring configuration should be as shown in Figure 3.

**Figure 3. Corrected Wiring Diagram**

8. Reassemble the remote, connect to the machine and check the operation of the transport switches. All the transport tally lamps should work.

9. Turn off the machine, disconnect the remote and connect the Lynx Module or Micro Lynx transport control cable to the machine. Connect the remote to the Y cable extension sockets.