**INFOCONCERNINGFIRST SERIES SONY 3650 MODIFICATIONS**

(compiled in discussion with Morty Schiff of Woodstock Community Video who has innovated some recent modifications discussed below)

In first series Sony 3650 editing and playback decks (before #32,000) there is approximately a 2 second sound lag after the video appears when you are making edits. When the record button is pushed for an edit it activates a microswitch which turns off the audio amplifier to the record head thus causing the delay. In the past one way of dealing with this disturbing delay was to make a modification on the machine to eliminate it. This was done by placing a jumper wire between normally open and normally closed contacts of the edit microswitch. (See diagram below.)

![Diagram](image)

**TIPS FROM DAN DRASIN:**

When doing electronic editing with 1/2" equipment, the SKEW (tape tension) control should be precisely adjusted on the playback deck for EACH SCENE. This will increase time-base stability of edited master. Adjust skew as follows: playback deck should be connected to an underscanned monitor, or one whose height or vertical linearity controls have been adjusted to squeeze the picture so black appears at the bottom. This will make the bottom few lines easily visible. (On Sony monitors this can be achieved by allowing the vertical to roll.) NOTE THAT THE BOTTOM FEW LINES "BREAK OFF" HORIZONTALLY FROM THE REST OF THE PICTURE. Adjust SKEW control of playback deck so the last few lines line up with the rest of the picture.

Black spots on the video picture, especially when the lens is stopped down for daylight shooting are caused not by dirt on the lens but by dust on the vidicon tube face. Remedy: Clean vidicon carefully and thoroughly with Q-tips moistened with Kodak lens cleaner. Blow out all dust (even most microscopic will cause spots). ALSO CLEAN REAR OF LENS and blow away dust and chrome chips from C-mount thread. THEN ALWAYS KEEP LENS ON CAMERA. (If shipping camera, arrange case so lens can safely be left on.)