# Film-Tech

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# No Sound After Reversion from Digital to Analog
## DA20 with Model SA10 Installed

☐ Modification Urgent
☐ Modification Required
☒ Modification Recommended
☐ Modification if Problem is Present
☐ Information Bulletin

## Symptom

The DA20 reverts normally (switches to no output signal) however, the CP65 or CP55 remains in format10 (digital), resulting in loss of sound in the auditorium. The problem appears after an SA10 is installed with the CP65/55 and DA20 system.

**This symptom will occur only if a Cat. No. 611A card is installed in the DA20.**

## Cause

Resistors located on the Cat. No. 611A prevent the reversion command generated by the DA20 from being accepted by the CP65/55. The CP65/55 will not switch to format 05 (SR).

## Solution

The solution involves shorting four surface-mount resistors on the Cat. No. 611A board.

1. Confirm that a Cat. No. 611A is installed. Original Cat. No. 611s do not show this problem and therefore no work is necessary.

   Using a flashlight, look into the vertical window on the right side of the DA20 front panel. Check the front edge of the board.

   A Cat. No. 611A board is clearly labeled "Cat. No. 611A" and a printed white block appears in front of the center three rotary switches (soundhead delay adjustments).
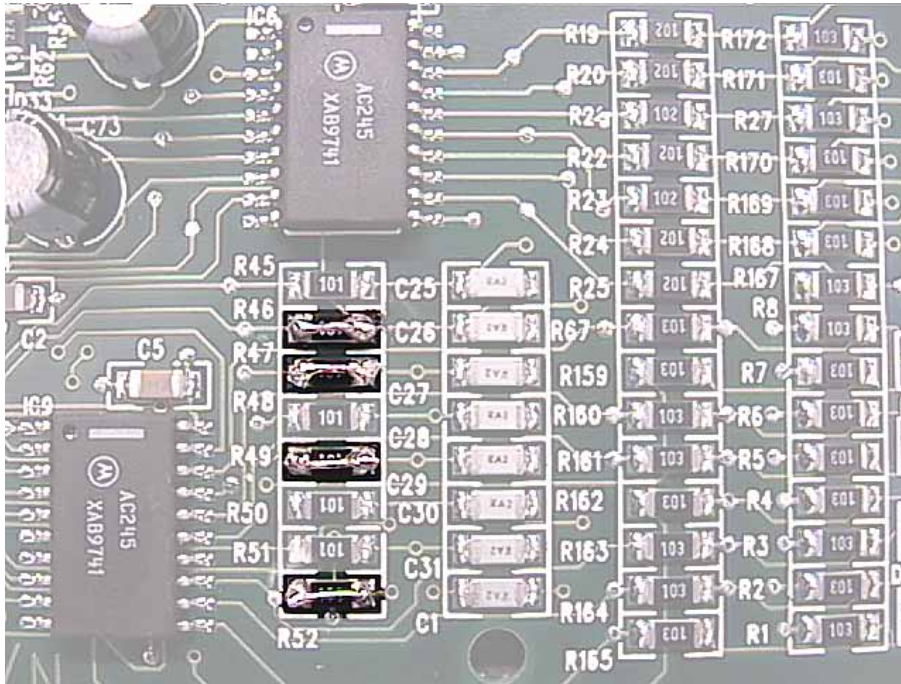
2.  Remove the Cat. No. 611A:

    Remove the 12 screws holding the DA20 front panel and remove the panel.

    Remove the Cat. No. 611A from the right-hand slot of the DA20.

3.  Hold the card with the components facing you and the card edge connector facing the right.



4.  Find the short column of surface-mount resistors located toward the bottom of the card as shown in the photograph.

5.  Using a low-wattage soldering iron (35W or less) and a very thin piece of wire, short resistors **R46, R47, R49 and R52**. Link across the body of each resistor. If you use too much heat, the resistor may inadvertently unsolder. If this happens, carefully use the same thin wire to jumper the remaining two solder pads on the board.

6.  Re-insert the board into the DA20 and re-install the front panel.