



Dolby Laboratories Inc

Field Bulletin 207

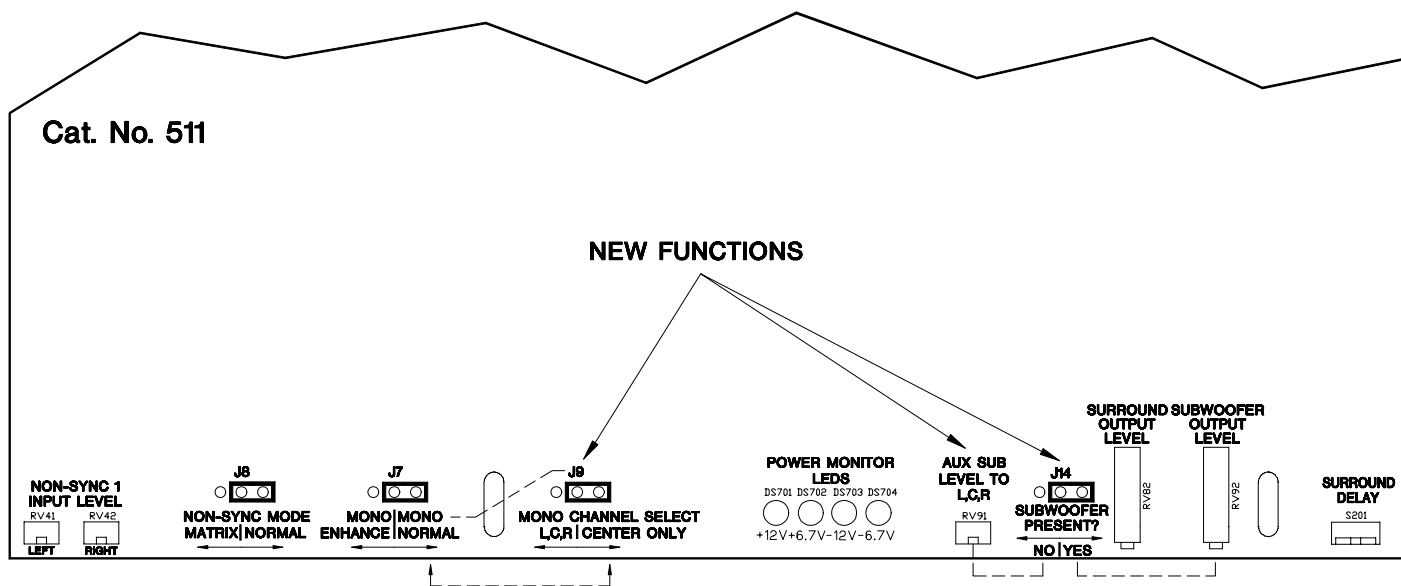
Model CP45 Improvements to the Cat. No. 511 Main Board

- Modification Urgent
- Modification Recommended
- Modification Required on Early Units
- Modification if Problem is Present
- Information Bulletin

This bulletin describes new features of the Cat. No. 511 revision 2 board related to the handling of the Mono (Format 01) output signal and the routing of the Subwoofer signal from the Aux input.

Date of Change

Cat. No. 511 boards produced after serial number 1159 will have the following changes incorporated. CP45 Cinema Processors delivered after December 1996 (around S/N 1154) should contain the improved board.



Mono Channel Selection - New Jumper J9

To the right of the left hand plastic pillar supporting the Cat. No. 511 is a new jumper, J9. The jumper provides a choice of sending Mono film sound (Format 01) to the center channel only or to the left, center and right channels. The factory default setting is "CENTER ONLY".



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If it is required that Mono sound should be heard through Left, Center and Right loudspeakers then move Jumper J9 to the left position, "L , C , R".

Original Jumper J7 located to the left of the new J9 must be in the "MONO NORMAL" position. Jumper J9 operates when jumper J7 is in this position only.

Subwoofer Signal from Aux Input - New Jumper J14 and Level Control RV91

To the right of the power indicator LED's is a new jumper and level control. The jumper provides a discrete path from the **Aux SW** input to the subwoofer output.

For theatres equipped with a subwoofer, the jumper should be set to "SW PRESENT" . In this case the new level control (**RV91**) **has no effect** and the existing subwoofer level control (RV92) is used as described in the installation manual.

If the theatre has no subwoofer loudspeaker installed, the jumper should be set to "NO SW" . In this case the new level control (RV91) adjusts the level of the **Aux SW** signal which is sent to the three front channels.

The factory default setting is "SW PRESENT" .

Level adjustment can be performed by playing a Dolby Digital film which contains large amounts of bass signal. Switch the system between format 05 (Dolby SR) and format 61 (Dolby Digital) while listening to the balance of subwoofer energy between the two formats and adjust level control RV91 to suit. It is important that the Subwoofer signal should never be allowed to cause clipping on the loudest signals. The level needs to be carefully adjusted according to the power handling capability of the front channel amplifiers and loudspeakers.