

TECHNICAL BULLETIN

Ikegami

37 Brook Avenue, Maywood, New Jersey 07607 • (201) 368-9171

Date: 7/21/12
Engineer: Alan Keil
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To: Distribution

Product: HDK-79E, HDK-79D, and HDK-725P cameras (also studio models)

Symptom: When the camera is connected to a Telecast SHED HDX the 1K load of the HDX causes a capacitor on the P/S & Audio board to be reverse biased, which causes the voltage on the camera to CCU low voltage sense line to increase over time, sometimes exceeding the HDX detection range for an Ikegami type camera. The HDX may then shut down or power cycle. This capacitor will become damaged over time, further increasing the likelihood of voltage detection errors in the HDX.

Purpose: To ensure compatibility with SHED HDX by changing the capacitor to a bi-polar type.

Instruction: Remove the P/S & Audio board from the FA Fiber Adapter. Remove capacitor C420 (15uF/10v) and replace with a 10uF/10v bi-polar capacitor, part number UMP1A100MDD. Since the bi-polar replacement capacitor is not surface mount type, it should be mounted on its side using a silicone adhesive to maintain position. Refer to figure 1 for part location.

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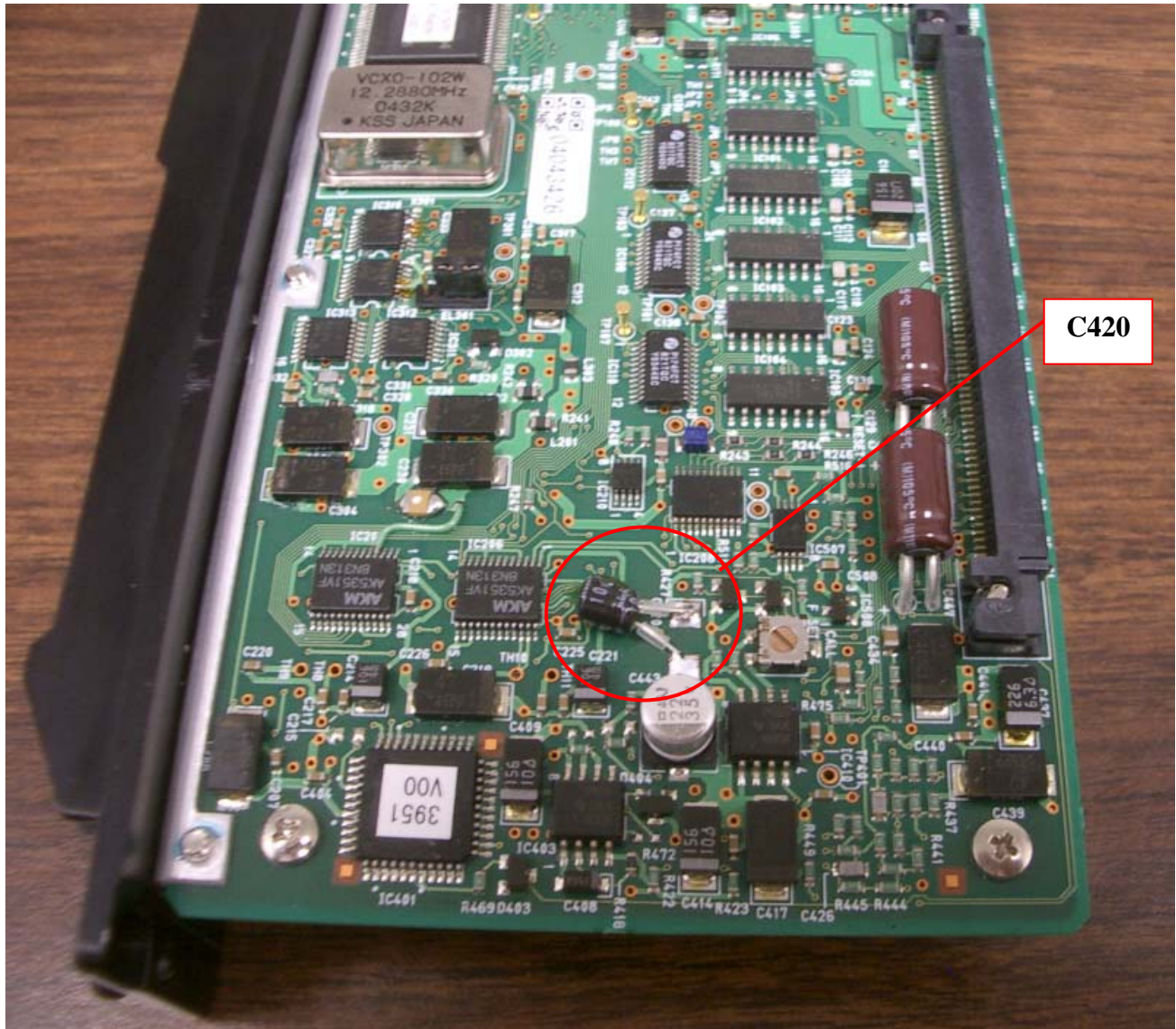


Figure 1 – P/S & Audio board