

**Title:** TX-DS989

**Application:** Service Tip

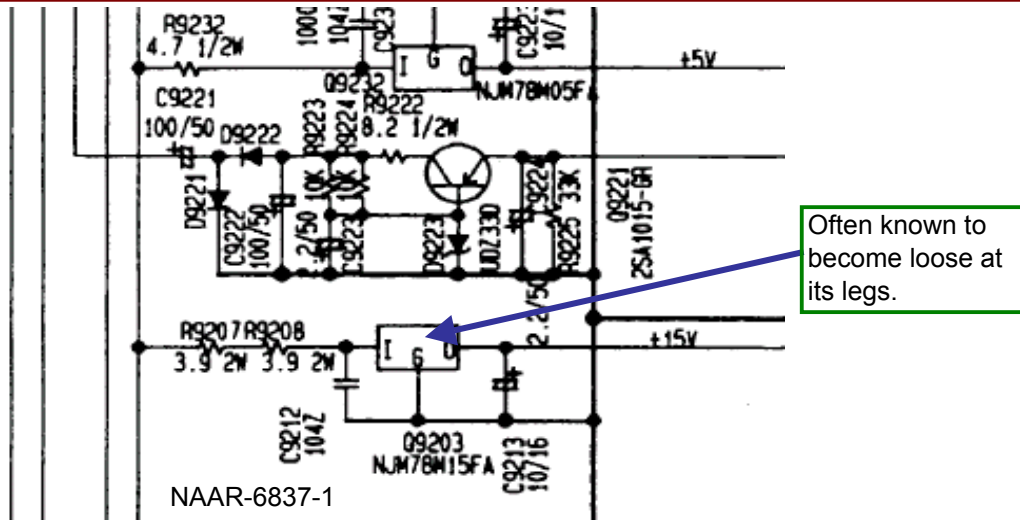
**Symptom:** No audio, Intermittent shut down, poor reproduction, poor video and vary distorted audio.

**Solution:** See Below

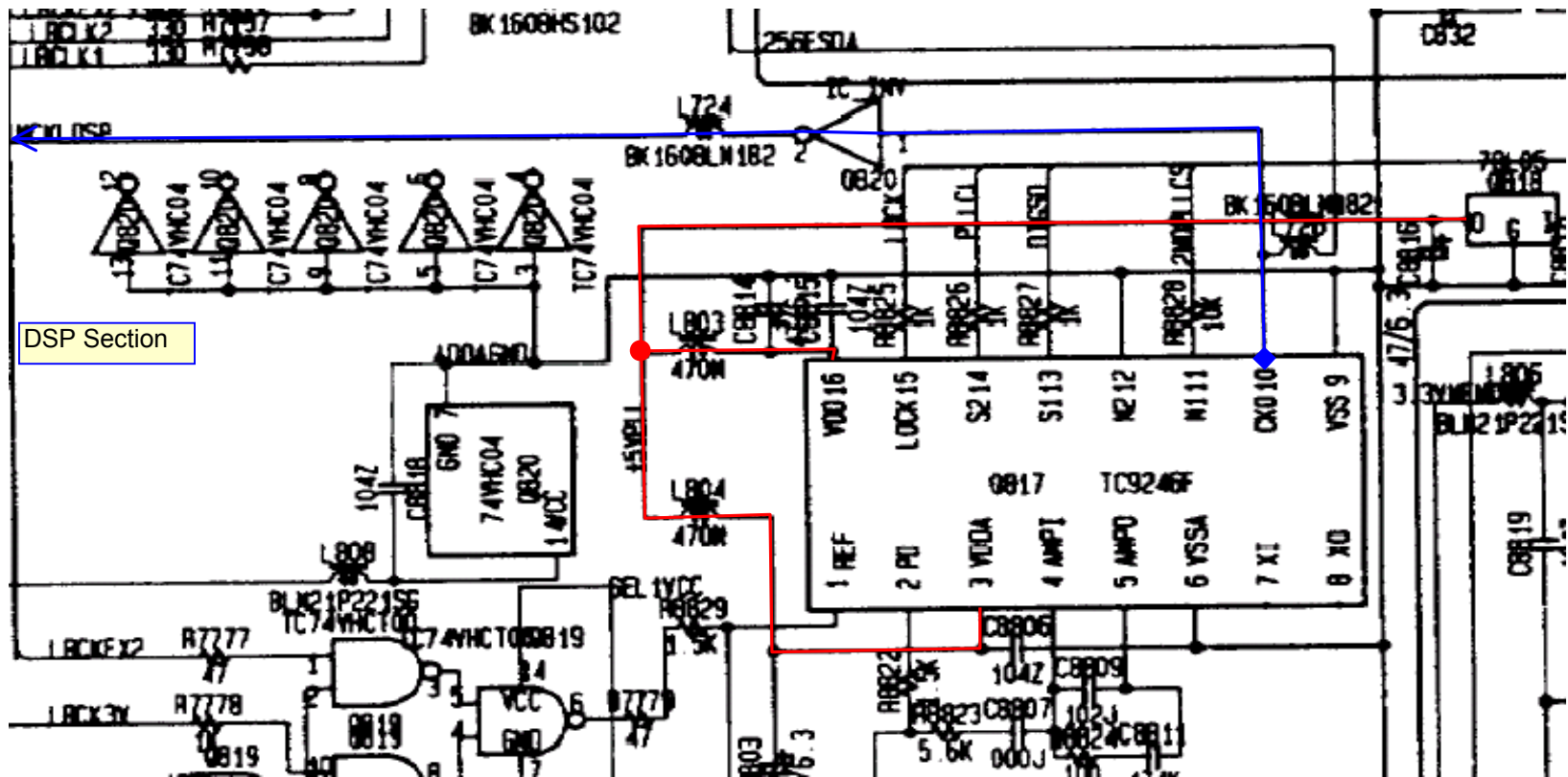
**Cause and Solution:**

Do to aging an environment (warm) in which a unit may be working, some units may experience power supply failure as a result of cold solder point around Q9203 legs on Main Micro Processor PCB (NAAR-6837-1), Q9302, Q9322, Q9304 and 9303 on Power supply regulator PCB.

A loose connection at Q9203 is known to cause Poor Video, Distorted Audio and malfunction of Q817, Q820 having direct relation to the DSP master clock error.



Main Micro-processor Section



DSP Section

The failure of this section of the DSP is very critical and that the reproduction experience as stated by a consumer can differ from one customer to the next. Therefore it is very important that one makes all the appropriate touchups on all regulator components and inter connecting wires in the case of NCPS-6839 and NCPS-6838 power supply PCB's.