

Service Information D827

Conversion Instruction for A/D Converter 18 to 20 Bit

Introduction

This upgrade will improve the audio quality in combination with the Noise Shaper. This update must be performed by qualified service personnel. Please pay attention to electrostatic protection while performing the conversion.

The Conversion kit (20.050.863.26) contains:

1 pce.	10.27.3465	Conversion Instruction
4 pcs.	50.19.0205	A/D Converter 20 Bit CS5390 KP

Mounting the 20 Bit converter:

Required Tools:

- ESD (ElectroStatic Discharge) protection.
- Screw-driver size 00 (for potentiometers).
- Audio generator or activate the internal generator of the D827 and using the analog out as a reference.

Mounting Instruction:

- Power off the machine.
- Pull the A/D converter board (1.863.650.20) from the machine and put it on a flat ESD surface.
- Locate the ICs: 199, 399, 599 and 799 (CS 5389) and remove them with an IC puller carefully.
- Install the converters included in this package in the place of the old ones. Please pay attention to the pin 1 designator (notch).
- Install the board back in the machine.
- Align the Input Level @ 20 dBu with RA 101...801 with a tolerance of ± 0.1 dB.
- Check the Audio performance of the machine.