

PianoDisc

Notice for PianoDisc Technicians

NOTE: We have had complaints that the low volume calibration was lost but in reality it is probably confused with the Heat Compensation.

The following is an explanation of Heat Compensation within the PianoDisc system and is important that all technicians understand the function. This has been a feature in the PD system for many years.

Heat Compensation

As a solenoid operates, its strength weakens as it gets warmer. The software keeps track of how often each key is played, and for how long. It then adds force to that key to compensate for the increased temperature. If that solenoid is played less frequently, or not at all for a little while, the heat compensation is eventually removed.

This system works very well and keeps a key solenoid playing with the same strength whether it is hot or cold. However, the heat compensation is stored in RAM and is a function of time.

If you calibrate a piano and then play a lot of music to test it, the solenoids will get warm, which is not a problem because the CPU compensates for the heat. However, if you power down (turn power off to the system) while the solenoids are still warm, the heat compensation will be lost, and the system starts as if all of the solenoids are still cold. In reality, the solenoids are still warm, so the playback will be incorrect. If you cycle the power while the solenoids are cold, there will be little (if any) effect.

So, if you want to do this test, you need to wait an hour or two after powered down before testing again. Otherwise, it will seem like the learn values are lost, when in reality they are fine, and you simply lost the heat compensation.

If you have any questions, please call technical support:

+1 (916) 567-9999 / US: (866) 566-3472

Thank you