

## [SD1 to Lov pedal Eternity](#)

by [BAMF](#) » 17 Aug 2009, 15:07

Might as well share my notes. This is borne from a 1:1 comparison of the Boss SD1 and the Lov pedal Eternity. I'll follow up with a component map for the Denio SD10 too.

Format is <part no>- <original value>-<mod value>- <action>

D3 - 1n4001- remove and jumper (it's said removing this makes the pedal sound fuller)

D4 - 1n4148 - 1n4148+1N4148 in series (makes clipping smoother)

D6 1N4148 - 1N4148 (makes clipping smoother)

R6 - 4.7k - 3.3K (higher bass cutoff, but balanced out by C3, increases gain)

R7 - 10k - 1k (decreases sag, punchier sound)

C2 - .018 uF - .047 uF (metal film) - (fuller sound, removes the nipsis)

C3- .047 uF - 0.1 uF (more bass, in conjunction with R6, increases gain)

C4- .018 uF - 0.15 uF (treble cut, darker sound)

C6- .01 -remove don't jumper (removes a filter on the 2nd opamp stage)

R3, R15 - 10k - 10k metal film (hi-fi, but optional)

R5- 33k- 20k (this is just for authenticity along with VR1. you can leave it out also. lowers gain of ped.)

R9 - 10K - 1K (lowers gain on the 2nd stage, if you don't like it, put the original back)

R16 - 1k - 1k metal film (more hi-fi sound)

R31- 470 ohms - remove and jumper (removes power supply sag; normally already jumpered in newer SD1's)

VR1 (gain) - 1M - 500k (this is just for authenticity, you can leave it out if you want but together with R5.lowers gain of ped.)

\* add a 47p capacitor across the D4 combination

\*change the IC to something better like an RC4558 or RC1458. Since the original eternity does not have an input buffer I'd recommend using a TLC2262 or TL072 or LF353 in there.