## Anyone notice? Same Specs for BF-2B & HF-2

by **albumgatefold** » 03 Nov 2015, 01:47

**Anyone ever notice the specs for the BF-2B & the HF-2 are virtually the same?**
**BOSS Flanger Comparison**
**BF-2B (Bass Flanger)**
*** Controls: Manual, Depth, Rate, Res**
*** Connectors: Input, Output, AC Adaptor**
*** Current Draw: 14 mA (DC 9V)**
*** Weight: 400 g (15 oz.)**
*** Input Impedance: 470 kOhm**
*** Residual Noise Level: -95 dBu (IHF-A, Typ.)**
*** Recommended Load Impedance: 10kOhm or greater**
*** Delay Time: 0.5 ms ~ 6.5 ms**
*** LFO Speed: 100 ms ~ 16 s**
*** Recommended AC Adaptor: ACA Series**
**HF-2 (Hi-Band Flanger)**
*** Controls: Manual, Depth, Rate, Res**
*** Connectors: Input, Output, AC Adaptor**
*** Current Draw: 15 mA (DC 9V)**
*** Weight: 400 g (14 oz.)**
*** Input Impedance: 470 kOhm**
*** Residual Noise Level: -95dBu (IHF-A)**
*** Recommended Load Impedance: 10kOhm or greater**
*** Delay Time: 0.5 ms ~ 6.5 ms**
*** LFO Speed: 100 ms ~ 16 s**
*** Recommended AC Adaptor: ACA Series**

albumgatefold

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **charmonder** » 03 Nov 2015, 03:52

you're right! I wonder if something like a few capacitor changes will convert it one to the other.

charmonder

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **Gasgano** » 03 Nov 2015, 15:40

The only difference is the current draw, so this could well be a few different capacitors. Interesting.

The only thing I wonder though:
HOW DO YOU EVEN REALIZE THEY ARE ALMOST THE SAME? I mean, HOW THE HECK DID YOU COME UP WITH THIS?

Gasgano

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **ChristoMephisto** » 03 Nov 2015, 23:24

They are similar in speed cause they both use a MN3204 (512 stage) while the BF2 uses a MN3207 (1024 stage) chip.
It's more then a few capacitors to convert them from one to another, altho it maybe possible to make the HF2 behave like it's bass cousin, the BF2B.
Haven't seen a schem for a bass flanger, but from what I'm told, in terms of cap value differences is C7 at .01uf and C6 being .015. This is compared to the BF2. So the bass flanger has a slower rate and less resonance.
The HF2 has a discreet octave circuit by adding two components and changing the circuit path a bit. Boss added R65 and C41 that isolates the BBD from the +5 volt line. Noticed this a while ago and thought if R65 was shorted and C41 lifted, the octave would drop and be a regular detuned flanger.
Someone else may want to double check this, but if I'm right, you could add a dpdt switch to a HF2 and make it a HF2B.

ChristoMephisto

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **albumgatefold** » 03 Nov 2015, 23:43

Nerd Alert. Nerd Alert. Yeah I like to read the specs. They are all located here:
http://www.bossarea.com/default.asp
So how it came about... I recently got a bass chorus CE-2B and I read that it effected the higher frequencies more than lower so you get that good rich bottom end but still get the chorus effect on the higher frequencies. I really really was digging this CE-2B so I thought about getting the Bass Flanger. So I do what I do when considering new product. I read about it, check out reviews, YouTube vids, etc. and also the specs. I realized that the specs for BF-2B were almost exactly like the HF-2 (my favorite Gtr. Flanger). I knew b/c I was comparing the BF-2 flanger and the HF-2 flanger recently. I knew the delay times were different (1-13ms) which explains the unique difference in their sounds.
Or simply.... Nerd Alert! Nerd Alert!

I haven't checked out the schematics either. Little too deep for me. I haven't compared them side by side b/c I don't have the bass flanger, but the HF-2 sounds great on bass and many others have stated this as well.

albumgatefold

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **charmonder** » 04 Nov 2015, 00:53

> *ChristoMephisto wrote:*
> *They are similar in speed cause they both use a MN3204 (512 stage) while the BF2 uses a MN3207 (1024 stage) chip.*
> *It's more then a few capacitors to convert them from one to another, altho it maybe possible to make the HF2 behave like it's bass cousin, the BF2B.*
> *Haven't seen a schem for a bass flanger, but from what I'm told, in terms of cap value differences is C7 at .01uf and C6 being .015. This is compared to the BF2. So the bass flanger has a slower rate and less resonance.*
> *The HF2 has a discreet octave circuit by adding two components and changing the circuit path a bit. Boss added R65 and C41 that isolates the BBD from the +5 volt line. Noticed this a while ago and thought if R65 was shorted and C41 lifted, the octave would drop and be a regular detuned flanger.*
> *Someone else may want to double check this, but if I'm right, you could add a dpdt switch to a HF2 and make it a HF2B.*

good info, I did not know the intricacies to the HF-2 recipe. might have to snag one of these babies we're talking a lot about the HF-2 recently!

charmonder

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **albumgatefold** » 04 Nov 2015, 01:50

Cool info from ChristoMephisto. I've seen some modded ones out there
One guy even combined both BF-2 & HF-2 circuits into one stomp box w/some kind of switcher.
charmonder I would recommend a HF-2 if you wants a less "harsh" flange. And I think I posted this already but combine the HF-2 w/ DC-2 dimension pedal for some really nifty ethereal stuff and/or use DC-3 dimension. You probably get one in the $40-$80 range.
Flange Nation!!
Oh and cool aviator charmonder.... Richard David James is alright with me.

albumgatefold

## Re: Anyone notice? Same Specs for BF-2B & HF-2

by **charmonder** » 04 Nov 2015, 02:17

> *albumgatefold wrote:*
> *Oh and cool aviator charmonder.... Richard David James is alright with me.*

charmonder