

Appendix

Bass Guitar PU Locations

Last Updated: 103:00hr April 4, 2009 (SME)

	Nominal	Neck PU1	Neck PU2	Neck PU	Bridge PU1	Bridge PU2	Bridge PU
	Scale Length	Location	Location	<Location>	Location	Location	<Location>
'76 Fender Precision Bass - VW	34.0000	28.0000	29.1250	28.5625			
'04 Fender Precision Bass - Blind	34.0000	28.0000	29.1250	28.5625			
'82 Fender Bullet P-Bass Deluxe	34.0000	28.7500	29.8125	29.2813			
Fender CS Vintage '56 P-Bass	34.0000	28.0000	29.1250	28.5625			31.3750
USA Fender J/P-90 Bass	34.0000	28.0000	29.1250	28.5625			31.1875
'96 Fender Am. Deluxe P-Bass	34.0000	28.0625	29.1875	28.6250	31.5000	32.1875	31.8438
'64 RI Fender CS Jazz Bass	34.0000			27.8125			31.3750
MIM Fender Jazz Bass	34.0000			27.8125			31.3750
MIM Fender Jazz Bass V	34.0000			27.7500			31.3125
Yamaha RBX-170 P/J-Bass	34.0000	28.0000	29.0000	28.5000			31.7500
'99 Ibanez SD GR P/J Bass	34.0000	28.5000	29.5000	29.0000			32.1875
LPB USA Lakland Decade Bass	34.0000			25.5000			31.2500
'78 Gibson RD Std. Bass	34.0000			26.7500			31.3750
'64 Gibson EB-3 Varitone Bass	30.0000			22.2500			28.5000
'66 Gibson EB-0 Bass	30.0000			22.2500			
'69 Gibson EB-1 Bass	30.3125			22.3125			
'68 Gibson Kalamazoo Bass	30.0000			22.3125			

Calculates the Locations of Electric Guitar Pickups

Place PU's at anti-nodes of certain harmonics, and/or nodes of other ones...

L_scale =		34.0000	inches		
Harmonic #	Node	Anti-Node		Bridge-Side Node	Bridge-Side Anti-Node
1	x	L/2		x	17.0000
2	L/2	L/4		17.0000	25.5000
3	L/3	L/6		22.6667	28.3333
4	L/4	L/8		25.5000	29.7500
4	2L/4=L/2	3L/8		17.0000	21.2500
5	L/5	L/10		27.2000	30.6000
5	2L/5	3L/10		20.4000	23.8000
6	L/6	L/12		28.3333	31.1667
6	2L/6=L/3	3L/12=L/4		22.6667	25.5000
7	L/7	L/14		29.1429	31.5714
7	2L/7	3L/14		24.2857	26.7143
8	L/8	L/16		29.7500	31.8750
8	2L/8=L/4	3L/16		25.5000	27.6250
8	3L/8	5L/16		21.2500	23.3750

<= Fart-in-the-bathtub tone!

Get nodes @ L/n, 2L/n, 3L/n, ...

Get antinodes @ L/2n, 3L/2n, 5L/2n, ...

Figure 2: Bass guitar Pickup Locations.