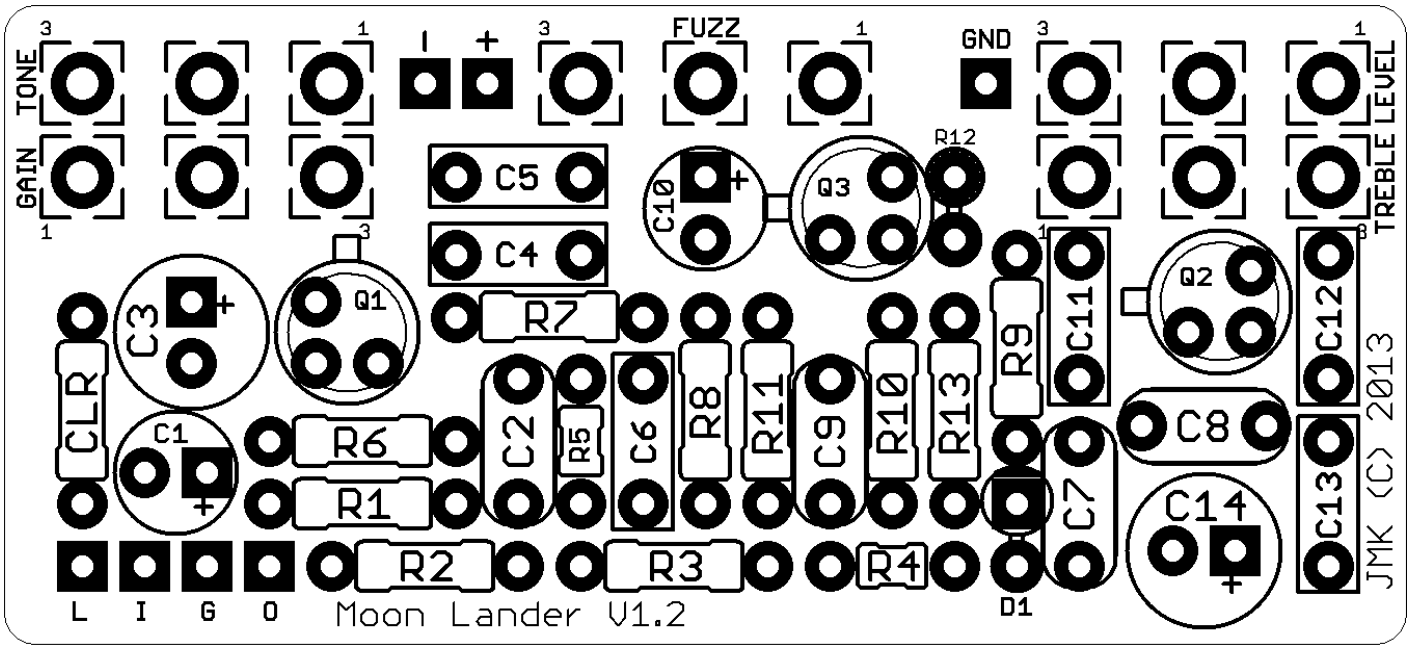
JMK PCBS PRESENTS...

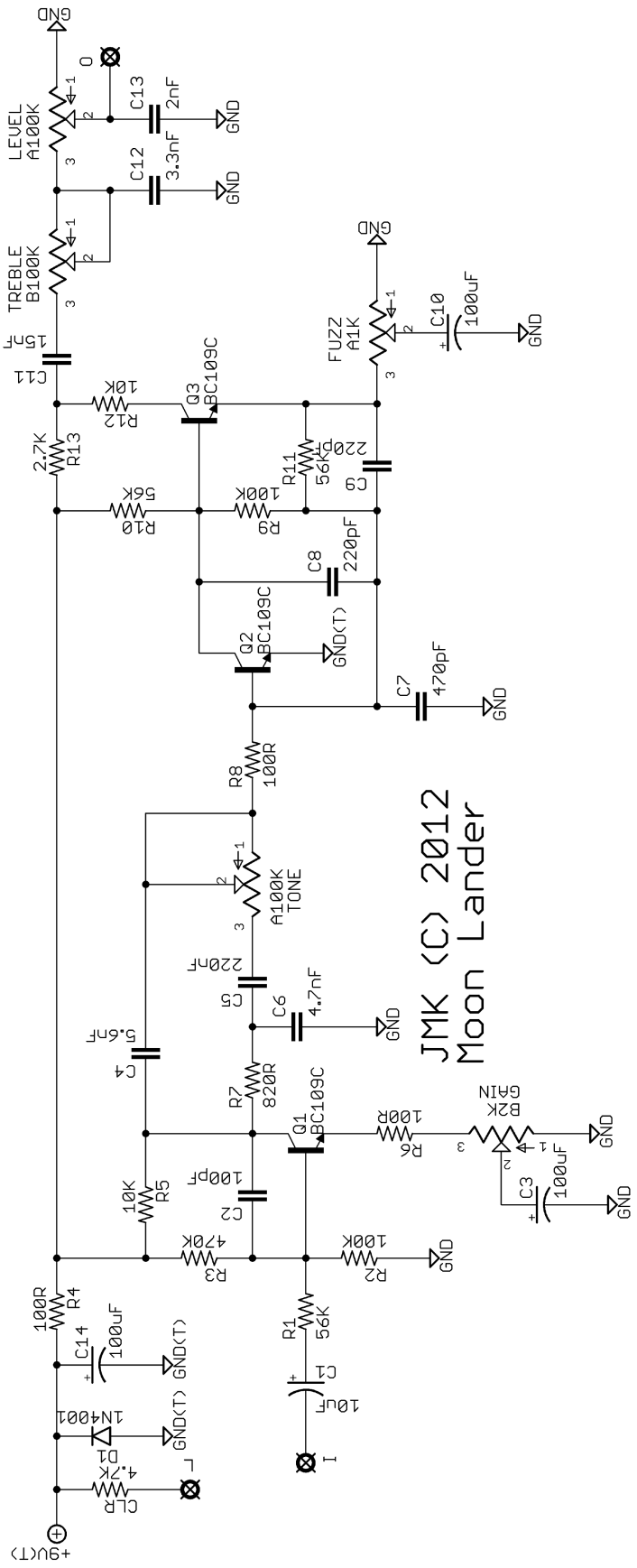
MOON LANDER

PCB AND SCHEMATIC ARTWORK (C) 2014 JMK PEDALS

VERSION 1.2.1: 10/1/2014



Resistors				Capactitors				Transitors	
R1	56K	R8	100R	C1	10uF*	C8	220pF	Q1-Q3	BC109
R2	100K	R9	100K	C2	100pF	C9	220pF	Diodes	
R3	470K	R10	56K	C3	100uF*	C10	100uF*	D1	1N4001
R4	100R	R11	56K	C4	5.6nF	C11	15nF	Potentiometers	
R5	10K	R12	10K	C5	220nF	C12	3.3nF	LEVEL, TREBLE, TONE	A100K
R6	100R	R13	2.7K	C6	4.7nF	C13	2nF	FUZZ	B1K
R7	820R	CLR	4.7K	C7	470pF	C14	100uF*	GAIN	B2K



Build Notes

• The Moon Lander is a slightly modified clone of the Lunar Deluxe circuit, which is in turn based on a silicon transistor based Fuzz Face. This version features small modifications to the original, but is generally the same in the core of the circuit. This circuit is generally thought of as a very versatile for both fuzz and overdrive tones.

• Hooking up the PCB is pretty simple, but to clarify: L = the connection for the + end of an LED (CLR is marked on the board); I = PCB Input; G = Ground for the Switch; O = PCB Output; + = 9V input; - = Ground for DC Jack; GND = Extra Ground for a 1/4” Jack

• Like with most Fuzz Pedals, the Transistors are an integral part of the sound. Pretty much any NPN BiPolar transistor can be used. Keep in mind that the pinout of the transistor needs to be considered when installing. **We highly recommend socketing your transistors!** Socketing allows you to switch your transistors easily if you have installed them backwards, and also allows you to swap out and try other transistors to see which you like the best. Options to try include, but is not limited to: BC108, 2N5088, 2N5089, 2N3904, BC549, BC550, and BC560. Don’t forget to check your pinouts to make sure they match up with the BC109 specified in the Schematic.

True Bypass Wiring Diagram