Distortion+

Components

C1	1uF Electrolytic	**R1**	1M	**GAIN**	1M Linear
C2	10nF (Poly Film)	**R2**	1M	**VOLUME**	10K Linear
C3	1nF (Poly Film)	**R3**	1M		
C4	220nF (Poly Film)	**R4**	10K		
C5	1uF tantalum or electrolytic	**R5**	1M	**CLIP SWITCH**	SPDT Solder Lug
C6	10pF (Ceramic)	**R6**	1K		
C7	1nF (Poly Film)	**R7**	10K		
		R8	1M		
D1 + D2	1N4148				
D3 + D4	Optional (try Germanium 1N34A or similar)				
IC1	LM741 **or** TL071				

Clipping Diodes

This PCB has the option to switch between 2 sets of clipping diodes. If you only want to use one, only put D1 and D2 in, and solder a wire link between the top two pads of the CLIP switch on the PCB. For some different sounds, try germanium diodes with a low forward voltage like 1N34A in D3 and D4. This gives a more fuzzy sound compared to the crunchier 1N4148.

Board Connections

The PCB connections are labelled as the following:

I - Input, O - Output, V - 9V DC in, G - Ground

Potentiometers are connected from pin 1 to the square pad on the PCB. This board was designed so you can use right-angle board mount potentiometers on it if desired, otherwise you will need to solder wired from the pads to the correct pin/lug. Jack sleeves and DC centre pin should be connected to ground. V should be connected to the positive pin of the DC connector.