

# Vandal From Hell

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Inspired by Randall from Hell

Effect type

## Important Building notes

On the 1v1 version the 3pdt has been replaced by a 4pdt

## BOM

## Shopping list

### Resistors

Part	Value
R1	68k
R2	1m
R3	2k2
R4	20k
R5	1k
R6	2k2
R7	4k7
R8	10k
R9	4k7
R10	1m
R11	1m
R12	10K
R13	1k
R14	2k2
R15	4k7

### Resistors

Qty	Value	Parts
2	10K	R12, R8
2	1k	R5, R13
3	1m	R2, R10, R11
1	20k	R4
3	2k2	R3, R6, R14
3	4k7	R7, R9, R15
1	68k	R1

### Capacitors

Part	Value
C1	220p
C2	10n
C3	470N

### Capacitors

Qty	Value	Parts
1	100n	C14
1	10n	C2
2	220n	C7, C11
1	220p	C1
1	22n	C4
1	22p	C8
1	2n2	C6
1	470N	C3
2	4n7	C5, C12

### Capacitors

C4	22n
C5	4n7
C6	2n2
C7	220n
C8	22p
C11	220n
C12	4n7
C14	100n

### Electrolytics Capacitors

Qty	Value	Parts
2	10u	C9, C13
1	1u	C10
1	220u	C15

### Potentiometers

Qty	Value	Parts
1	50k B	TREBLE
1	10k A	VOLUME
2	2k B	MIDS, PRESENCE

### Electrolytic Capacitors

<b>Part</b>	<b>Value</b>		<b>1</b>	50k A	GAIN
<b>C9</b>	10u		<b>1</b>	50k B	BASS
<b>C10</b>	1u				
<b>C13</b>	10u		<b>Trimpots</b>		
<b>C15</b>	220u		<b>Qty</b>	<b>Value</b>	<b>Parts</b>
			<b>2</b>	100k	POT1, POT3
<b>Potentiometers</b>					
<b>Part</b>	<b>Value</b>		<b>Transistors</b>		
<b>BASS</b>	50k B		<b>Qty</b>	<b>Value</b>	<b>Parts</b>
<b>GAIN</b>	50k A		<b>4</b>	J201	Q1, Q2, Q3, Q4
<b>MIDS</b>	2k B				
<b>PRESENCE</b>	2k B		<b>Switches</b>		
<b>TREBLE</b>	50k B		<b>Qty</b>	<b>Value</b>	<b>Parts</b>
<b>VOLUME</b>	10k A		<b>1</b>	3PDT ON-ON	Channel
			<b>1</b>	SPDT ON-ON	Sustain
<b>Trimpots</b>					
<b>Part</b>	<b>Value</b>		<b>Diodes</b>		
<b>POT1</b>	100k		<b>Qty</b>	<b>Value</b>	<b>Parts</b>
<b>POT3</b>	100k		<b>1</b>	1N5817	D0
			<b>2</b>	1n914	D1, D2
<b>Transistors</b>			<b>2</b>	4v zener	D3, D4
<b>Part</b>	<b>Value</b>				
<b>Q1</b>	J201				
<b>Q2</b>	J201				
<b>Q3</b>	J201				
<b>Q4</b>	J201				
<b>Diodes</b>					
<b>Part</b>	<b>Value</b>				
<b>D0</b>	1N5817				
<b>D1</b>	1n914				
<b>D2</b>	1n914				
<b>D3</b>	4v zener				
<b>D4</b>	4v zener				