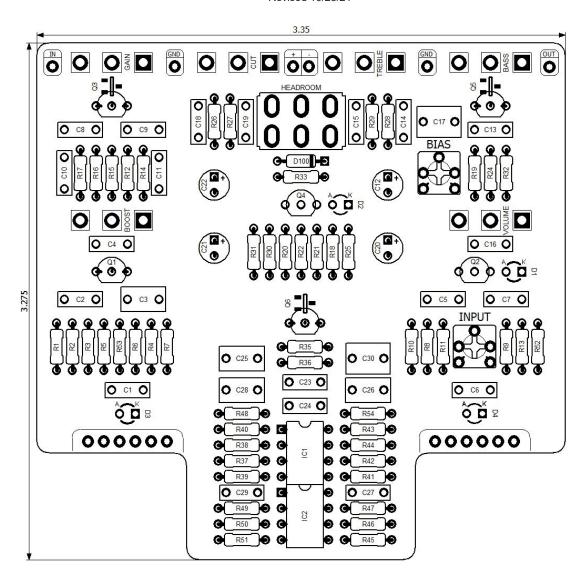


Revised 10/28/21



### **CONTROLS AND FEATURES**

### Controls

- Bass
- Treble
- Hi-Cut
- Gain
- Volume
- Boost
- Headroom (Toggle switch)

### **Footswitches**

- Bypass
- Boost

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# PedalPCB Acetylene Overdrive Parts List (Page 1 of 3)

Parts List (Page 1 of 3)

LOCATION	VALUE	TYPE	NOTES
R1	1K	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	100R	Resistor, 1/4W	
R4	100K	Resistor, 1/4W	
R5	1M	Resistor, 1/4W	
R6	5K6	Resistor, 1/4W	
R7	10K	Resistor, 1/4W	
R8	10K	Resistor, 1/4W	
R9	1M	Resistor, 1/4W	
R10	1M	Resistor, 1/4W	
R11	22K	Resistor, 1/4W	
R12	1M	Resistor, 1/4W	
R13	2K2	Resistor, 1/4W	
R14	100K	Resistor, 1/4W	
R15	10K	Resistor, 1/4W	
R16	470K	Resistor, 1/4W	
R17	470K	Resistor, 1/4W	
R18	1M	Resistor, 1/4W	
R19	470R	Resistor, 1/4W	
R20	10K	Resistor, 1/4W	
R21	100K	Resistor, 1/4W	
R22	1M	Resistor, 1/4W	
R24	1K	Resistor, 1/4W	
R25	10K	Resistor, 1/4W	
	10K	,	
R26		Resistor, 1/4W	
R27	100K	Resistor, 1/4W	
R28	220K	Resistor, 1/4W	
R29	1M	Resistor, 1/4W	
R30	10K	Resistor, 1/4W	
R31	10K	Resistor, 1/4W	
R32	10K	Resistor, 1/4W	
R33	10R	Resistor, 1/4W	
R35	10K	Resistor, 1/4W	
R36	10K	Resistor, 1/4W	
R37	1M	Resistor, 1/4W	
R38	1K	Resistor, 1/4W	
R39	47K	Resistor, 1/4W	
R40	3K3	Resistor, 1/4W	
R41	9K	Resistor, 1/4W	
R42	1K	Resistor, 1/4W	
R43	200R	Resistor, 1/4W	
R44	3K3	Resistor, 1/4W	
R45	100K	Resistor, 1/4W	
R46	330R	Resistor, 1/4W	
R47	470K	Resistor, 1/4W	
R48	10K	Resistor, 1/4W	
R49	330R	Resistor, 1/4W	
		Continued on next pa	age



# PedalPCB Acetylene Overdrive Perte Liet (Page 2 of 3)

Parts List (Page 2 of 3)

LOCATION	VALUE	TYPE	NOTES
R50	100K	Resistor, 1/4W	
R51	470K	Resistor, 1/4W	
R52	10K	Resistor, 1/4W	
R53	10K	Resistor, 1/4W	
R54	100K	Resistor, 1/4W	
		, -	
C1	100p	Ceramic capacitor	
C2	10n	Film capacitor, 7.2 x 2.5mm	
C3	470n	Film capacitor, 7.2 x 5.0mm	
C4 C5	4n7	Film capacitor, 7.2 x 2.5mm	
C5	100n	Film capacitor, 7.2 x 2.5mm	
C6	100p	Ceramic capacitor	
C7	1n	Film capacitor, 7.2 x 2.5mm	
C8	22n	Film capacitor, 7.2 x 2.5mm	
C9	22n	Film capacitor, 7.2 x 2.5mm	
C10	560p	Ceramic capacitor	
C11	22n	Film capacitor, 7.2 x 2.5mm	
C12	47u	Electrolytic capacitor, 5mm	
C13	22n	Film capacitor, 7.2 x 2.5mm	
C14	22n	Film capacitor, 7.2 x 2.5mm	
C15	47p	Ceramic capacitor	
C16	47n	Film capacitor, 7.2 x 2.5mm	
C17	1u	Film capacitor, 7.2 x 5.0mm	
C18	2n2	Film capacitor, 7.2 x 3.5mm	
C19	4n7	Film capacitor, 7.2 x 2.5mm	
C20	47u	Electrolytic capacitor, 5mm	
C21	220u	Electrolytic capacitor, 5mm	
C22	220u	Electrolytic capacitor, 5mm	
C23	47n	Film capacitor, 7.2 x 2.5mm	
C24	47n	Ceramic capacitor	
C25	220n	Film capacitor, 7.2 x 5.0mm	
C26	150n	Film capacitor, 7.2 x 3.5mm	
C27	8n2	Film capacitor, 7.2 x 2.5mm	
C28	330n	Film capacitor, 7.2 x 5.0mm	
C29	15n	Film capacitor, 7.2 x 3.5mm	
C30			
<u> </u>	1u	Film capacitor, 7.2 x 5.0mm	
D1	3mm Red	2mm Pod I ED Diffused	
D1 D2	3mm Red	3mm Red LED, Diffused	
D3		3mm Red LED, Diffused	
D3 D4	3mm Blue	3mm Blue LED, Diffused	
	3mm Red	3mm Red LED, Diffused	
D100	1N5817	Schottky diode, DO-41	
IC1	TL072	Dual op-amp, DIP8	
IC2	TL072	Dual op-amp, DIP8	
		Continued on next page	



Parts List (Page 3 of 3)

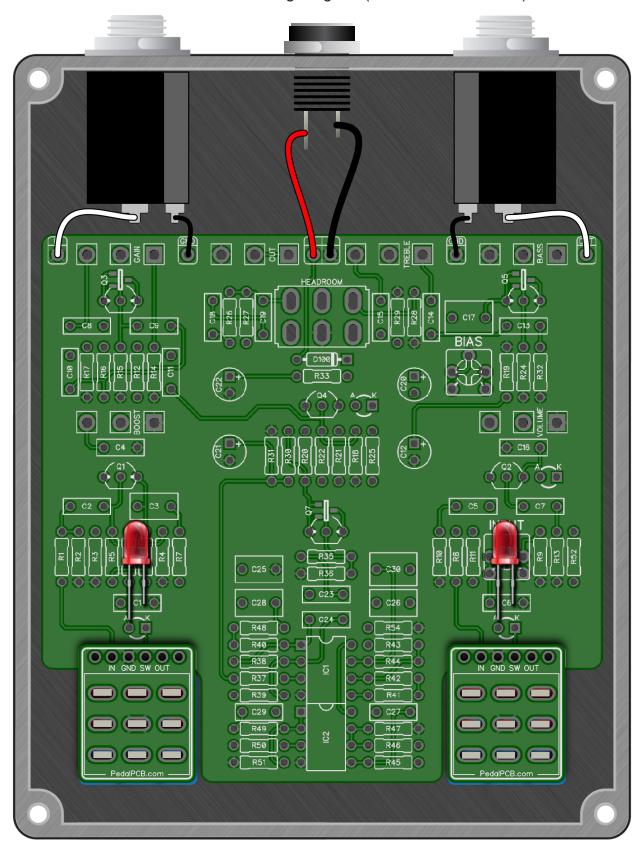
LOCATION	VALUE	TYPE	NOTES
Q1	2N5089	BJT transistor, NPN TO-92	110120
Q2	BS170	N-Channel MOSFET	
Q2 Q3	J113	JFET transistor, N-channel	
04	BS170	N-Channel MOSFET	
Q4 Q5	J201	JFET transistor, N-channel	
Q6	J113	JFET transistor, N-channel	
QU	0110	or ET translator, IV sharmor	
BASS	A1M	16mm right-angle PCB mount pot	
TREBLE	A1M	16mm right-angle PCB mount pot	
CUT	B50K	16mm right-angle PCB mount pot	
GAIN	A1M	16mm right-angle PCB mount pot	
VOLUME	A1M	16mm right-angle PCB mount pot	
BOOST	A100K	16mm right-angle PCB mount pot	
INPUT	1M	Trimmer potentiometer, 3362P type	
BIAS	50K	Trimmer potentiometer, 3362P type	
HEADROOM	DPDT	Toggle switch, DPDT	2-position (ON/ON)
			·

# \$00 Acetylene Overdrive Schematic Diagram 4.5-5.2V Labeled 4V Measured 10K 10K BOOST \$ 42 4.5-5V Labeled 4V Measured PedalPCB 8=5 INPUT INPUT INPUT R33 ≅9 59 59 88 ¥0¥ 10¥ ≥00 10 50 20



### **Acetylene Overdrive**

Wiring Diagram (with Breakout Boards)

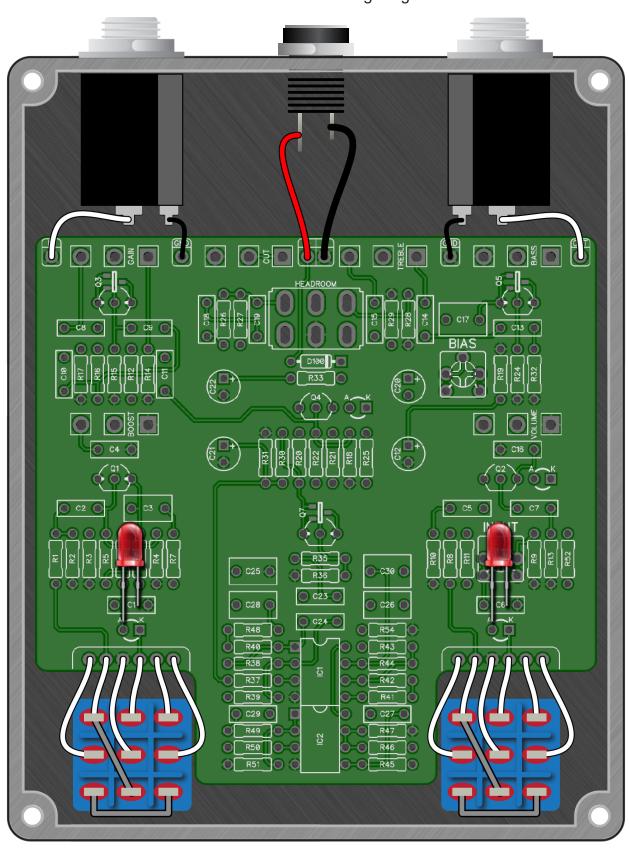


Requires 2 x 3PDT Breakout Boards (PCB126)



## PedalPCB Acetylene Overdrive

Wiring Diagram





## PedalPCB Acetylene Overdrive

**Drill Template** 1590BB Enclosure

