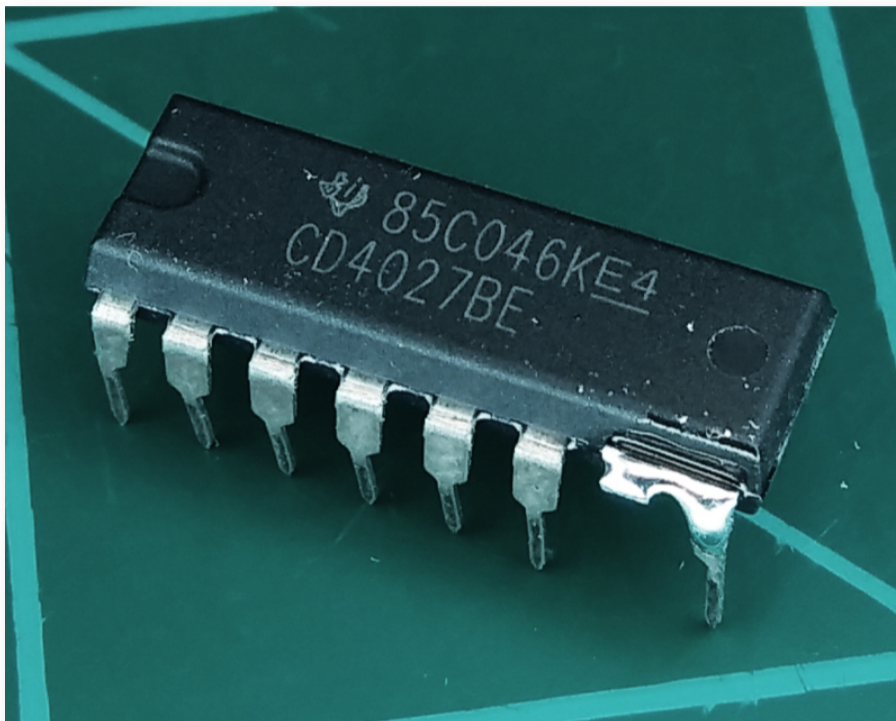




- Octave 1
- Octave 2
- Direct

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Which boards are affected?

This modification is only required for Revision 1 PCBs. This is not required for any PCB marked "Rev 2" or beyond. (See back of PCB below PCB362 marking)

What does this modification do?

The original OC-2 circuit used an out of production integrated circuit (BA634). The Ocelot Octaver has been designed to work with the commonly available CD4027BE CMOS IC.

This modification allows proper operation of the Octave -2 function. The pedal will still function if you do not perform the modification, but Octave -2 will be a low-pass filtered duplicate of Octave -1.

Instructions

1. Solder a short jumper wire across pins 7 and 8
2. Clip pin 7 leaving the jumper intact
3. Install in PCB or socket as usual

LOCATION	VALUE	TYPE	NOTES
R1	100K	Resistor, 1/4W	
R2	1M	Resistor, 1/4W	
R3	100K	Resistor, 1/4W	
R4	1M	Resistor, 1/4W	
R5	10K	Resistor, 1/4W	
R6	2K7	Resistor, 1/4W	
R7	47K	Resistor, 1/4W	
R8	47K	Resistor, 1/4W	
R9	100K	Resistor, 1/4W	
R10	1M	Resistor, 1/4W	
R11	1M	Resistor, 1/4W	
R12	27K	Resistor, 1/4W	
R13	22K	Resistor, 1/4W	
R14	330K	Resistor, 1/4W	
R15	330K	Resistor, 1/4W	
R16	47K	Resistor, 1/4W	
R17	47K	Resistor, 1/4W	
R18	100K	Resistor, 1/4W	
R19	1M	Resistor, 1/4W	
R20	1M	Resistor, 1/4W	
R21	27K	Resistor, 1/4W	
R22	22K	Resistor, 1/4W	
R23	330K	Resistor, 1/4W	
R24	330K	Resistor, 1/4W	
R25	100K	Resistor, 1/4W	
R26	10K	Resistor, 1/4W	
R27	100K	Resistor, 1/4W	
R28	1K	Resistor, 1/4W	
R29	22K	Resistor, 1/4W	
R30	330K	Resistor, 1/4W	
R31	330K	Resistor, 1/4W	
R32	33K	Resistor, 1/4W	
R33	33K	Resistor, 1/4W	
R34	68K	Resistor, 1/4W	
R35	10K	Resistor, 1/4W	
R36	10K	Resistor, 1/4W	
R37	1K	Resistor, 1/4W	
R38	1K	Resistor, 1/4W	
R39	22K	Resistor, 1/4W	
R40	22K	Resistor, 1/4W	
R100	4K7	Resistor, 1/4W	
R101	4K7	Resistor, 1/4W	
R102	5K6	Resistor, 1/4W	
OCT1	B100K	16mm right-angle PCB mount pot	
OCT2	B100K	16mm right-angle PCB mount pot	
DIRECT	B100K	16mm right-angle PCB mount pot	

LOCATION	VALUE	TYPE	NOTES
C1	1u	Electrolytic capacitor, 5mm	
C2	1u	Electrolytic capacitor, 5mm	
C3	10u	Electrolytic capacitor, 5mm	
C4	1u	Electrolytic capacitor, 5mm	
C5	22n	Film capacitor, 7.2 x 2.5mm	
C6	4n7	Film capacitor, 7.2 x 2.5mm	
C7	470p	Ceramic capacitor	
C8	1u	Electrolytic capacitor, 5mm	
C9	47n	Film capacitor, 7.2 x 2.5mm	
C10	10n	Film capacitor, 7.2 x 2.5mm	
C11	1n	Film capacitor, 7.2 x 2.5mm	
C12	10n	Film capacitor, 7.2 x 2.5mm	
C13	2n2	Film capacitor, 7.2 x 2.5mm	
C14	220p	Ceramic capacitor	
C15	330p	Ceramic capacitor	
C16	10n	Film capacitor, 7.2 x 2.5mm	
C17	1u	Electrolytic capacitor, 5mm	
C18	1u	Electrolytic capacitor, 5mm	
C100	100u	Electrolytic capacitor, 5mm	
C101	220u	Electrolytic capacitor, 5mm	
D1	GE	Germanium diode	(1N270, 1N34A, etc)
D2	GE	Germanium diode	(1N270, 1N34A, etc)
D3	1N914	Signal diode, DO-35	
D4	1N914	Signal diode, DO-35	
D5	1N914	Signal diode, DO-35	
D6	1N914	Signal diode, DO-35	
D100	1N5817	Schottky diode, DO-41	
Q1	2N3904	BJT transistor, NPN TO-92	
Q2	2SK30A	N-Channel JFET, TO-92	
Q3	2SK30A	N-Channel JFET, TO-92	
IC1	TL072	Dual op-amp, DIP8	
IC2	TL072	Dual op-amp, DIP8	
IC3	TL072	Dual op-amp, DIP8	
IC4	TL072	Dual op-amp, DIP8	
IC5	TL072	Dual op-amp, DIP8	
IC6	CD4013BE	CMOS Dual D-Type Flip-Flop	
IC7	CD4027BE	CMOS Dual JK Flip-Flop	

Ocelot Octaver

Schematic Diagram

