

# Sheepylove DayJ Build Doc

Updated: 2026-05-09

It's woolly, it's greasy, it's Sheepylove.

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## Sounds like Limetone Audio Jackal

This is a pedal with a lot of gain stages. It can do a bit, it's not the end-all for gain but it does well enough. You're going to get compression, low-end, and fun. It's lot of soldering and then you need to bias and adjust the internal trim pots. Finally, you can play with diodes to see if that makes a difference to you.

I labelled all the bias points with ~5V, but this is just a default. Similarly with the transistors, I used MMBFJ201 like the original, but other options are probably feasible.. With the number of gain stages, you can play around a lot. Make 'em all hot, put a "cold clipper" in, craft the tone more to how you like it. The hard clipping diodes are LEDs in the original, but play around and see what works for you. I liked Ge and BAT42 when I tried them, cork sniffery at its best.

The internal trim pots are Resonance (low end), Presence (high end), and Balance (tone). Set the tone for your preference, then do the low-end and then presence.

It's a fun one, no exotic parts, just a lot of them. Take your time, make sure your solder flows, and enjoy yourself!

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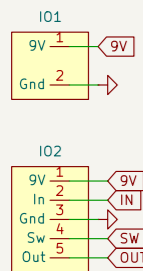
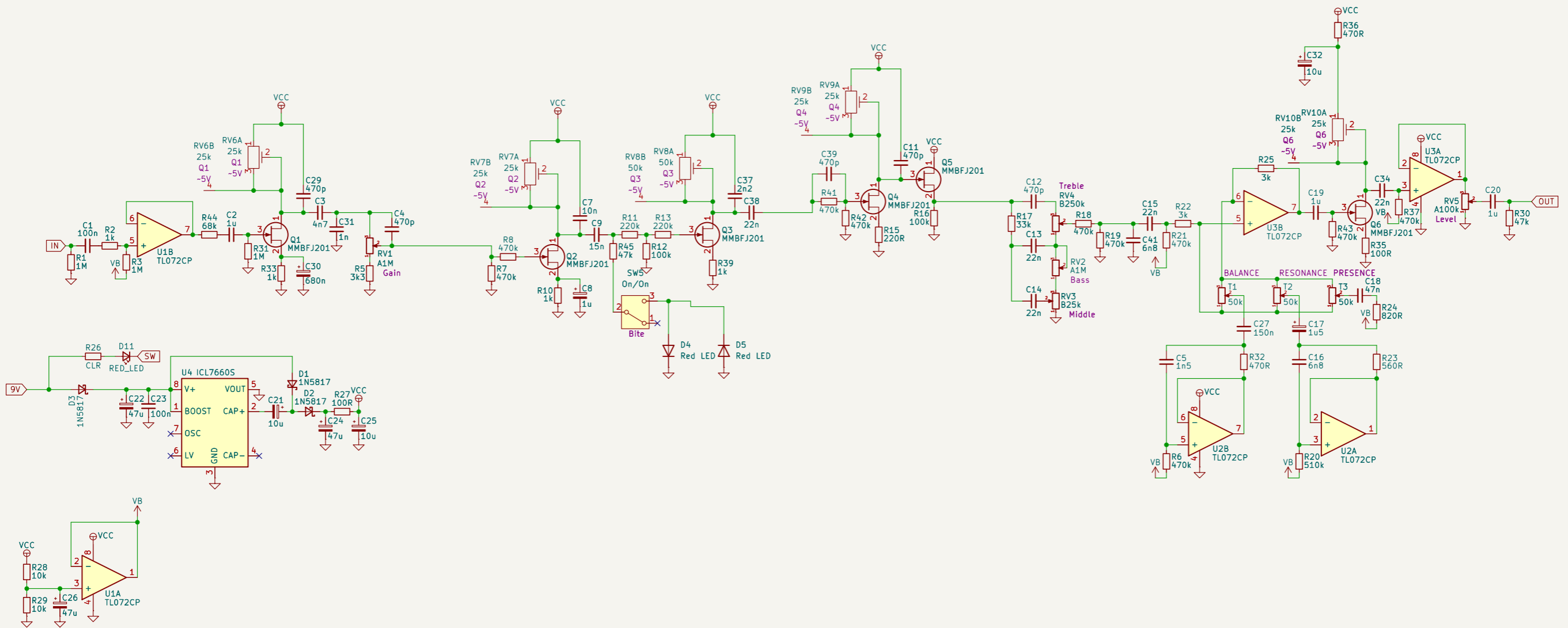
## Bill of Materials

Reference	Value	Quantity	Notes
C1,C23	100n	2	
C2,C8,C19,C20	1u	4	
C3	4n7	1	
C4,C11,C12,C29, C39	470p	5	
C5	1n5	1	
C7	10n	1	
C9	15n	1	
C13-C15,C34,C38	22n	5	
C16,C41	6n8	2	
C17	1u5	1	
C18	47n	1	
C21,C25,C32	10u	3	
C22,C24,C26	47u	3	
C27	150n	1	
C30	680n	1	
C31	1n	1	
C37	2n2	1	
D1-D3	1N5817	3	
D4,D5	Red LED	2	Red LED is in stock unit, try anything!
D11	RED_LED	1	
Q1-Q6	MMBFJ201	6	
R1,R3,R31	1M	3	
R2,R10,R33,R39	1k	4	
R5	3k3	1	
R6-R8,R18,R19,R21, R37,R41-R43	470k	10	
R11,R13	220k	2	
R12,R16	100k	2	
R15	220R	1	
R17	33k	1	
R20	510k	1	
R22,R25	3k	2	
R23	560R	1	
R24	820R	1	
R26	CLR	1	
R27,R35	100R	2	
R28,R29	10k	2	
R30,R45	47k	2	

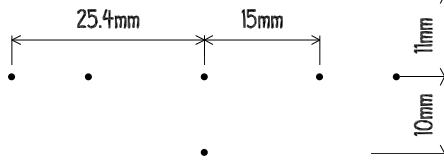
Reference	Value	Quantity	Notes
R32,R36	470R	2	
R44	68k	1	
RV1,RV2	A1M	2	
RV3	B25k	1	
RV4	B250k	1	
RV5	A100k	1	
RV6,RV9,RV10	25k	3	15k on original
RV7	25k	1	18k on original
RV8	50k	1	22k on original
SW5	0n/0n	1	
T1-T3	50k	3	
U1-U3	TL072CP	3	
U4	ICL7660S	1	

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Size: A3	Date:	Rev:
KiCad E.D.A. 10.0.1		Id: 1/1



Use 25.4mm OR 15mm spacing, not both.

## Sheepylove Drill Template

41      -25.4                      0                      25.4  
           •                                      •                                      •

15.6                      •                                      •                                      •

0                                      +



-26.5                                      • LED

-43    • Footswitch

All units are in millimeters.