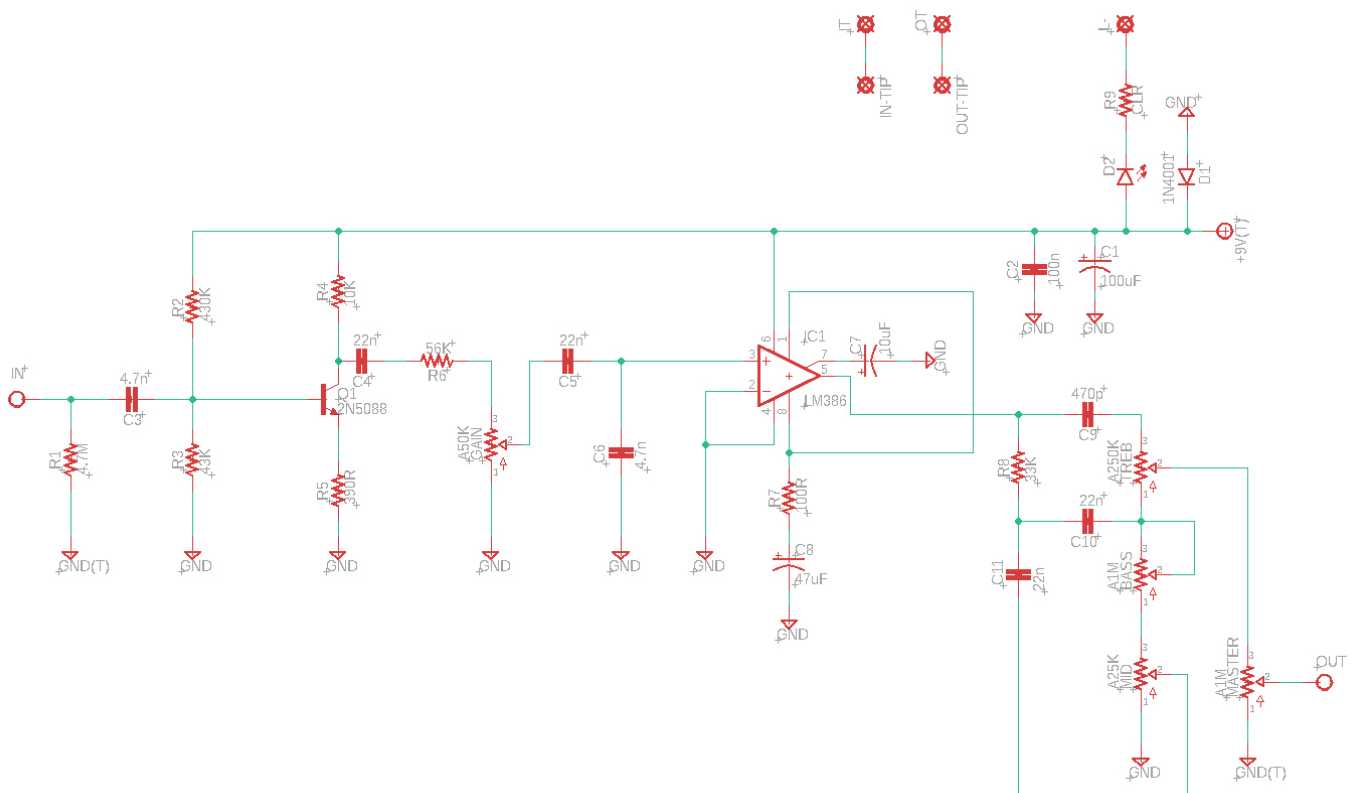
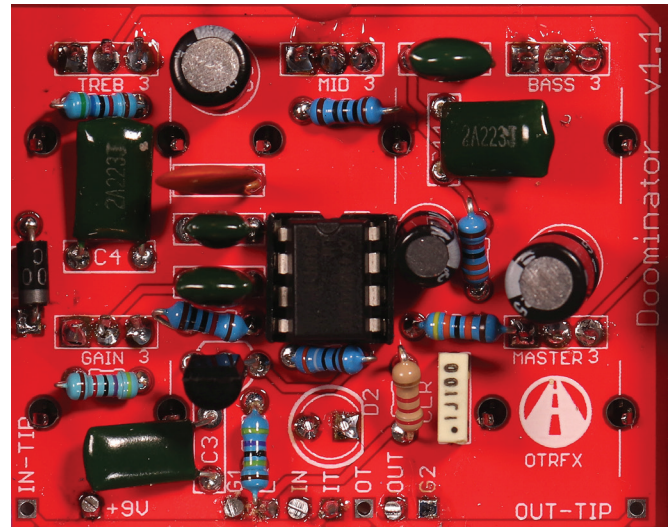
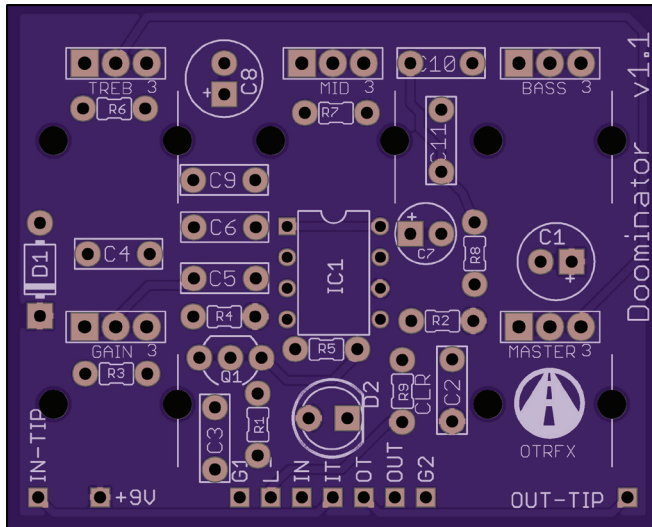




Dominator (v1.1) Build Guide



Dominator (v1.1) Build Guide

Why Boss HM-2 it, when you can ***DISTORTUS TO THE MAXIMUS?*** With a 3-band EQ and seemingly endless amounts of distortion, this circuit has a bone-crushing metal tone to fit any heavy genre.

BUILD NOTES:

Pots are 9mm type and resistors are 1/8 watt size to easily fit in a 1590B size enclosure. You can use 1/4 watt resistors just fine, but they will not sit completely flat on the board.

Resistors

R1	4.7M
R2	430K
R3	43K
R4	10K
R5	390R
R6	56K
R7	100R
R8	33K
R9	CLR*

Diodes

D1	1N4001
D2	LED

ICs

IC1	LM386
-----	-------

Transistors

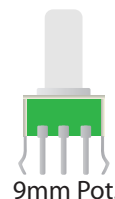
Q1	2N5088
----	--------

Capacitors

C1	100uF	ELECTRO
C2	100n	FILM
C3	4n7	FILM
C4	22n	FILM
C5	22n	FILM
C6	4n7	FILM
C7	10uF	ELECTRO
C8	47uF	ELECTRO
C9	470p	CERAMIC/FILM
C10	22n	FILM
C11	22n	FILM

Potentiometers

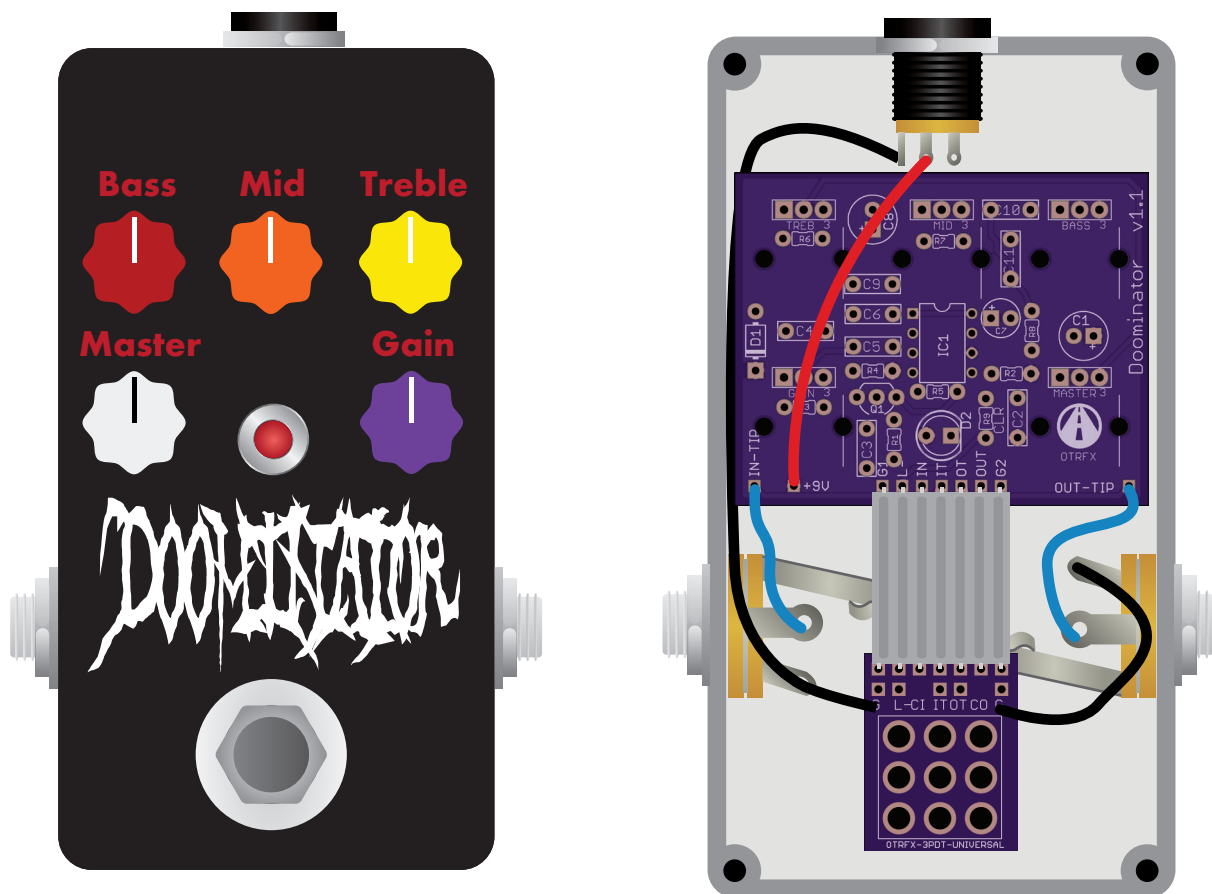
BASS	A1M	9MM POT
MID	A25K	9MM POT
TREBLE	A250K	9MM POT
MASTER	A1M	9MM POT
GAIN	A50K	9MM POT



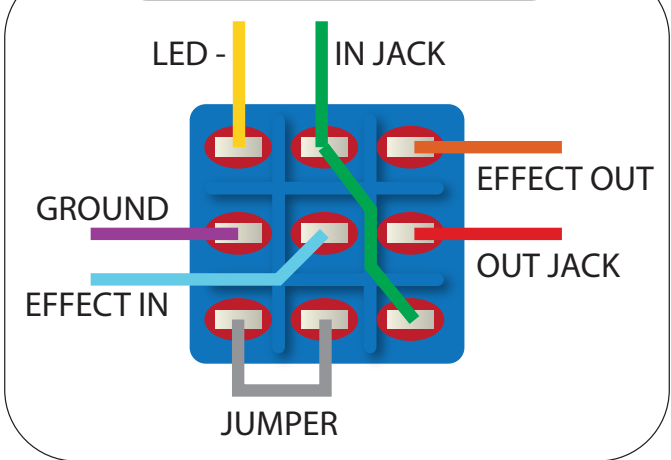
9mm Pot.

* CLR = Current Limiting Resistor for the LED. 1k - 4.7k depending on desired brightness. (lower resistor value = brighter)

Dominator (v1.1) Build Guide



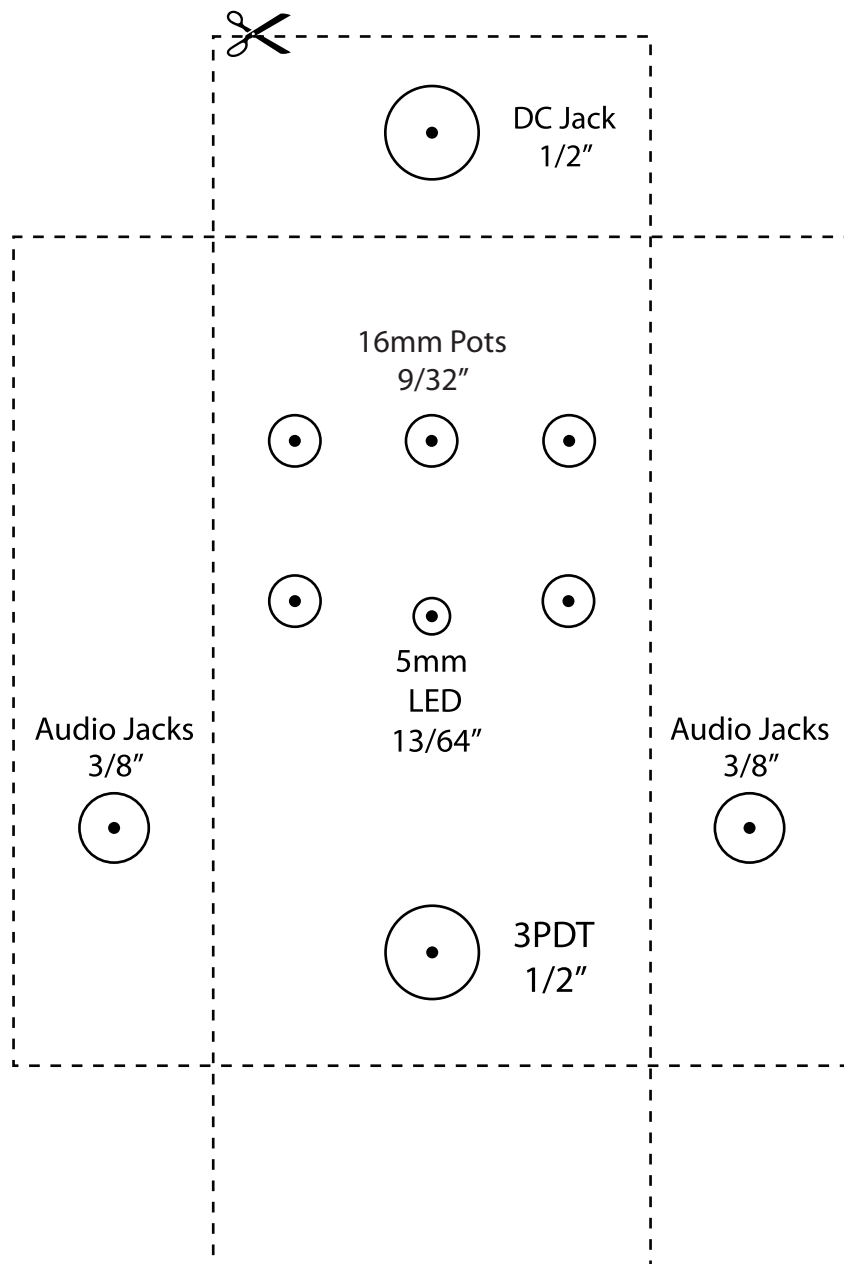
True Bypass Wiring



Dominator (v1.1) Build Guide

Drilling Template

1590B Enclosure



Dominator (v1.1) Build Guide

GENERAL INSTRUCTION STEPS:

Important: do the assembly in the following order to avoid unnecessary hardship!

1. Install/solder all resistors & diodes that lay flat on the PCB.
2. Install/solder any sockets (for IC's, diodes, resistors.. anywhere you might want to change a part, value or type).
3. Install/solder any DIP switches (if any).
4. Install/solder all capacitors & transistors.
5. Install/solder ribbon cable connector and/or any other wiring on the PCB which go to the jacks/stomp switch.
6. Install/solder PCB mounted pots & LED.
(**Important:** use pot dust caps or some other non-conductive material to keep back of pots from touching the back of the pcb)
7. Attach/solder wiring to the jacks & stomp switch.



TIPS:

- Check to make sure your wiring is complete before firing up the pedal for the first time, especially the 9V & ground wiring.
- Snip your component leads short after soldering. Your solder joints should look like shiny little Hershey's Kisses when finished.
- Socket anything you might want to change, or anything that would be very difficult to remove if faulty (IC's/transistors).

RESOURCES:

Parts Ordering:

Tayda Electronics
Mouser
Love My Switches
Small Bear Electronics

Website:

taydaelectronics.com
mouser.com
lovemyswitches.com
smallbear-electronics.mybigcommerce.com

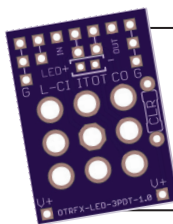
Specialties:

resistors, capacitors, diodes, sockets, LEDs, pots, knobs
resistors, capacitors, IC's
switches, knobs, enclosures, pre-wired LEDs
hardware, knobs, rare and vintage diodes, transistors & IC's



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