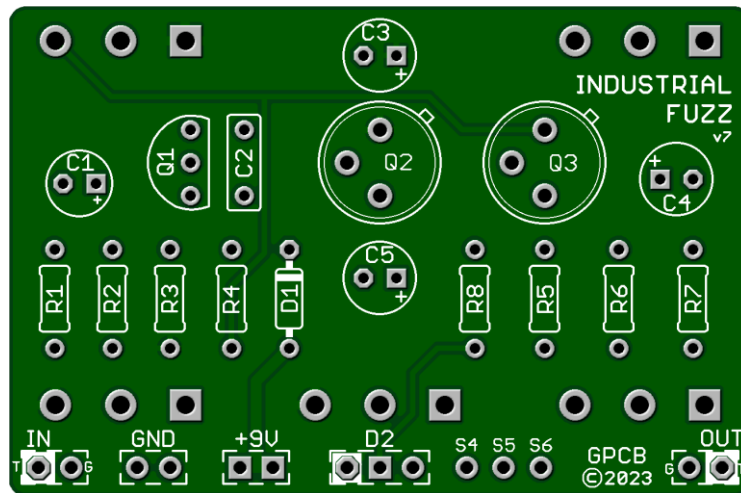


Industrial Fuzz v7

Looking for a pedal that can take your guitar tone to new heights? Look no further than the Industrial Fuzz! This circuit can produce a wide range of fuzz tones, from smooth and creamy to chaotic and splattery. Its unique design and wide range of controls, including Stab, Compression, Volume, Gate, and Drive, give you complete control over your sound. Whether you play blues, rock, or heavy metal, the Industrial Fuzz can add a new dimension to your tone. Do not settle for an ordinary fuzz circuit – try the Industrial Fuzz today and experience its legendary tones for yourself!



Board size: 2.25" x 1.48"

Part	Value
D1	1n5817
D2	Status LED
R1	1M
R2	220K
R3	10K
R4	47K
R5	470R
R6	5K1
R7	220K
C1	10u
C2	100n

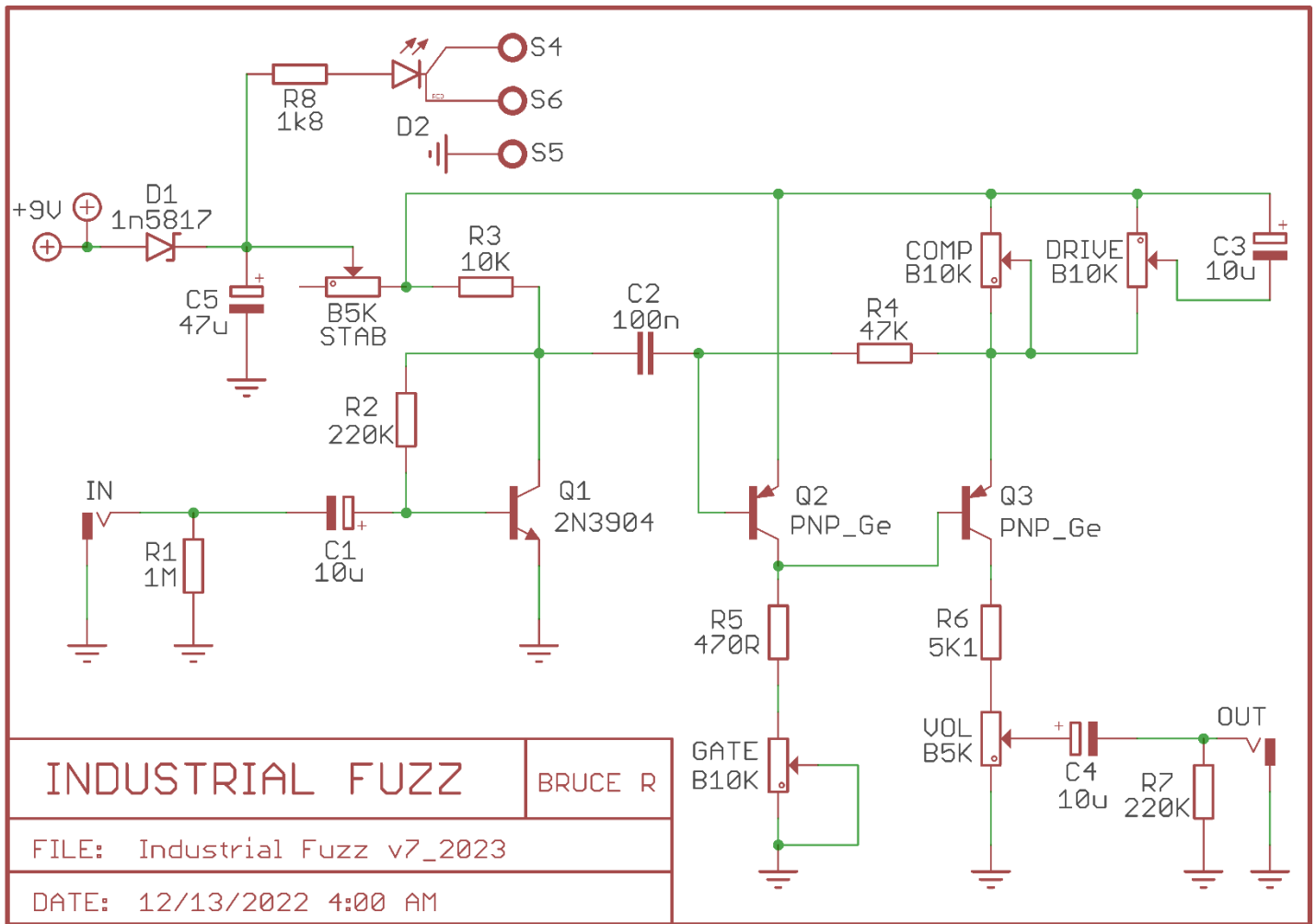
Part	Value
C3	10u
C4	10u
C5	47u
COMP	B10K
DRIVE	B10K
GATE	B10K
STAB	B5K
VOL	B5K
Q1	2N3904
Q2-Q3	PNP
R8	1k8

STATUS LED

D2 is a Status LED that can use either Bi-Color Common Anode or a Standard On/Off LED.
R8 is the CLR for the Status LED

New in this GuitarPCB 20223 v7 release:

- New onboard potentiometer design.
- Large off-board wiring pads and additional cosmetic upgrades.
- Incorporated a 1N5817 protection diode

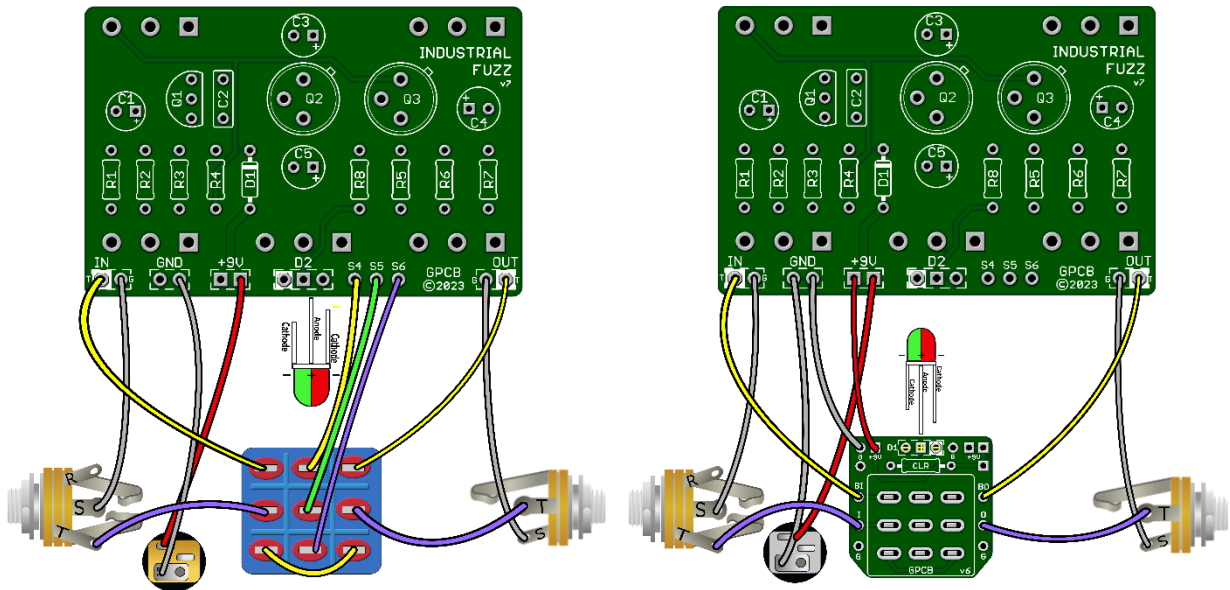


Controls

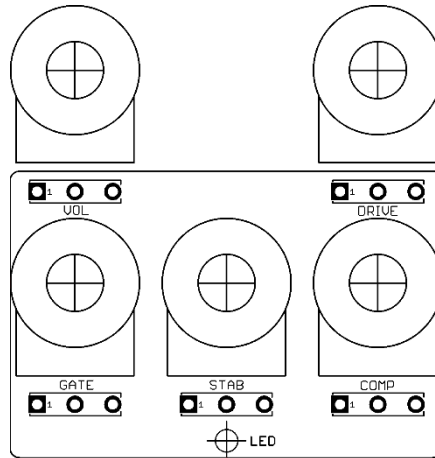
1. **Stab:** This control adjusts the stability of the circuit's oscillation. At low settings, the circuit can produce a gated, splatty sound. The circuit can sustain indefinitely at high settings, producing a thick, sustaining fuzz. Experiment with this control to find the right balance between stability and chaos.
2. **Compression:** This control adjusts the amount of compression in the circuit. At low settings, the circuit will produce a more open, uncompressed sound. The circuit will introduce a more compressed, saturated sound at high settings.
3. **Volume:** This control adjusts the overall volume level of the pedal. Use this control to match the pedal's output level to your amplifier or to boost your signal for solos.
4. **Gate:** This control adjusts the threshold at which the circuit's gate kicks in. The gate helps to reduce noise and feedback when you're not playing. At low settings, the gate will be more open, allowing more noise to pass through. At high settings, the gate will be more closed, reducing noise and feedback.
5. **Drive:** This control adjusts the amount of gain in the circuit. The circuit will produce a cleaner, less distorted sound at low settings. The circuit will produce a more distorted, saturated sound at high settings.

Notes about this build:

- PNP Transistors can be 50 to 150 hFE. It is not mandatory to use Germanium transistors.
- A traditional fuzz face-like setting can be obtained by turning Gate and Comp all the way down, Stab all the way up, and the drive to about 2 o'clock.
- You can get some very wild tones by playing with the Stab control in conjunction with the other controls.
- There are settings that make the pedal generate squeal noises all by itself, particularly when turning the stability (stab) knob below 2 o'clock. This is normal for this circuit.



Drill Template



GuitarPCB Tip Sheet

Bi-color Common Anode LED example
Green = On Status and Red = Off Status

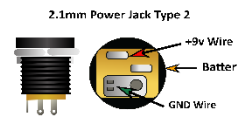
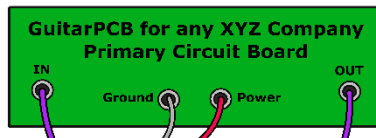
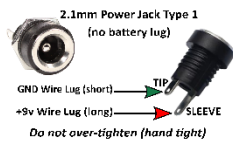
Try any of three different color sets
Red/Blue, Red/Green or Blue, Green

Short Lead = "On" status color
Medium Lead = "Off" status color
Long Lead = Common Anode +

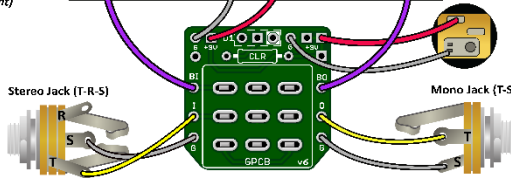
Try our 3PDT Vari-Bright version w/ on-board Trimmer to adjust brightness

Standard On/Off Status LED
D1 Circle Pad converts to LED Cathode

- Green = Ground Pads (5)
- Red = +9v Power Pads (4)
- D1 = LED Pads
- CLR = Current Limiting Resistor
- BI = From Main Board IN
- BO = From Main Board OUT
- I = To Jack Tip IN
- O = To Jack Tip OUT



T = Tip
R = Ring
S = Sleeve



T = Tip
S = Sleeve

Multiple +9v and Ground Pads are convenient hookup points for additional circuits within the same enclosure. This also allows for diverse wiring schemes to suit individual needs.