



"The AFA "Chemical Burn" is..... wow, a great, great ShinEi FY6 variant, with some very thoughtful & useful re-thinks applied."

David Torn (solo/Jeff Beck/David Bowie/+++)

If you're looking for a subtle fuzz that cleans up well when you back off the volume control, you're clearly in the wrong place.

Chemical Burn will turn your sweet boutique pickup output into a sonic octave-up blast that corrodes everything in the immediate vicinity. If you need to make your presence known with a sound, look no further than this pedal.

Our first product sees us take on a juggernaut of 60s fuzz sound - the Shin-ei/Companion Superfuzz FY-6. Chemical Burn is an almost-faithful reproduction of this classic, with a few modern twists that make it more usable and versatile and add new operation modes to this classic circuit. The basis of operation remains the same.

We recommend HAZMAT Level A protection gear while handling this pedal (not included with purchase).

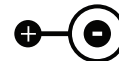
SAFETY & TIPS

We attempt to build safe products. Here are some further cautions you should exercise while using them.

1. This pedal can get really, really loud. Set the volume (AGONY) knob to zero and work your way up from there.
2. Operate with a standard pedal power supply (not included) - Boss style negative center, 2.1mm, 9V DC.
3. Your cat may take offence to the sounds made by Baron Samedi. This is normal. If you do not have a cat, please adopt a cat (unless, of course, you are allergic 🐱). If your pet, however, attempts to mate with this pedal, it is just outside normal and you should intervene.
4. We HIGHLY encourage using the Chemical Burn with instruments other than guitar. Bass guitar shines through this, as do synth leads. It also loves line-level signals, with the octave becoming more clear. Using a booster before the Chemical Burn can yield some extremely nasty/cool sounds. In keeping with the vintage circuit, the input impedance is low.
5. Keeping the environment in mind, Animal Factory Amplification products never have provisions for the use of 9V batteries. Please use a power adapter.

TECHNICAL DETAILS

Power: 9-12V DC, 100 mA
Uses a 2.1 mm DC jack with **negative** center (Boss-style pedal standard power supply)



Input Impedance: nom. 100kΩ
Output Impedance: nom. less than 1kΩ

WARRANTY

All Animal Factory Amplification products, unless otherwise specified, are protected by a 2-year warranty on manufacturing and workmanship. This does not cover cosmetic damage by routine use or damages through user modification.

CONTACT US

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OBEDIENCE TRAINING: HOW TO CONTROL YOUR ANIMAL

DAMAGE

3-way switch that controls the amount of octaving / fundamental cancellation.

SKIN - The fundamental at its maximum/least octaving. "Trails" on fast decay notes.

FLESH - Some cancellation and octave. Some "trails" possible.

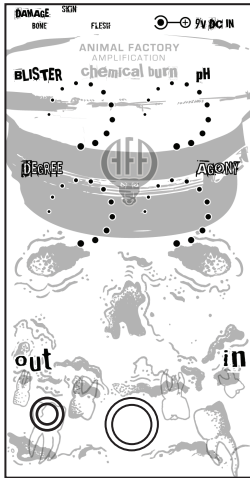
BONE - Maximum octave mix, like the stock FY-6 Superfuzz.

BLISTER

Mixes between silicon (counter-clockwise) and germanium clipping (clockwise) which lend a different character to the overall fuzz sound. Intermediate settings will lift the clipping and greatly increase output volume.

DEGREE

The fuzz or gain knob. Turning it up increases the overall gain and distortion. Lower gain settings will cause gating to kick in earlier.



STATUS/MODE LED

The colours display the DAMAGE mode:

BLUE - Skin

RED - Flesh

GREEN-BLUE - Bone

pH

An unconventional but effective tone knob. Turning it counterclockwise, the mids are very scooped. Turning it clockwise flattens out the mids for more conventional fuzz sounds.

AGONY

While it mainly functions as the volume knob, it also contributes to final stage gain. Play with the DEGREE and BLISTER knobs to find interesting gain/volume settings.

DOMESTICATE YOUR BEAST DIY MODS FOR ADVANCED USERS

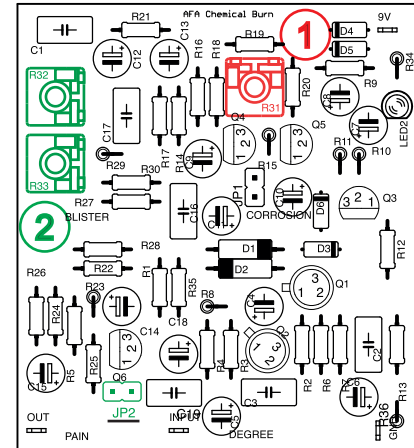
WARNING:

Before proceeding with any modifications or opening up the pedal, please make sure that the power supply is disconnected! Accidental short circuits could fry your pedal and/or supply!

1 OCTAVE

This trim pot is pre-set to reduce the amount of "trails", triggered self-oscillations, that follow some notes on the SKIN setting, which was not a mode the pedal was designed to operate in. We set this trimmer to minimize the "trails" while keeping as much of the octaving effect in as possible. This trimmer is set using a guitar, a sine wave generator and an oscilloscope. We would prefer you didn't touch it. If you absolutely must, take a photo of the factory setting before hand.

Note that the trails usually occur only on short notes/chords typically with fast attack and decay, and when DEGREE is set to maximum.



2

TUNING THE TONE STACK

These trimmers increase or decrease bass content and modify the width of the midrange notch. Set the tone control "pH" to the fully scooped i.e. counter-clockwise position to hear these changes while making them, as they will be less audible the more clockwise the pH knob is set.