ANALOG.MAN

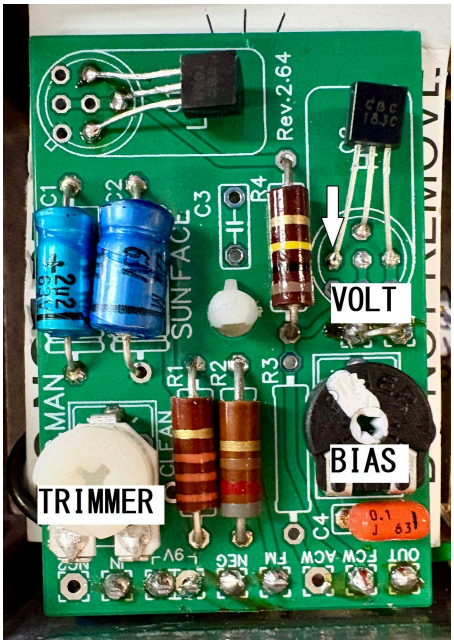
presents …

the NPN Germanium
SUN FACE FUZZ!

A little history **8/2026**

The Dallas Arbiter Fuzzface was one of the first Fuzz pedals, in the mid/late 1960s. They became extremely popular due to Jimi Hendrix and other great players of the 60s and 70s. We have been modifying recent fuzzfaces to the early GERMANIUM specs for a long time, and started selling our SUN FACE to keep the cost down and quality high for seekers of the ultimate early fuzz face sound.

FEATURES



Our Sun Face is the standard 1960's germanium circuit with a few tweaks to make it easier to use and sound better:

1. True bypass on / off switch, no loss of tone when off. (same as original)
2. Battery disconnected when INPUT cord removed (input is on the right).
3. Power jack and LED are optional.
4. Negative ground - you can share power with normal pedals, but isolated power is recommended. Standard polarity power jack, center negative.
5. Battery should be a cheap non-alkaline general purpose battery, as found in dollar stores. These sound better than an alkaline in this pedal, and even a cheap battery will last nearly forever, except the optional LED will use more power.
6. This effect should not have any non-true bypass effects in front of it. Otherwise, the cleanup function will not work well and the tone will be bright and harsh.
7. Volume Knob needs no explanation.
8. Fuzz knob : Best to keep it up all the way or close, and use the VOLUME knob on your guitar or the CLEAN TRIMMER knob to control the amount of fuzz.
9. CLEAN TRIMMER KNOB : The white knob on the circuit board. You can turn this one with your fingers. Normal setting is full down CCW, for full fuzz availability. This knob works the same as the VOLUME control on your guitar, which interactively cleans up the fuzz sound. So if you never use the FULL fuzz sound, use this knob as a preset for the maximum amount of fuzz that you need, instead of having to turn down your guitar every time you step on the fuzz. When this knob is turned all the way CCW it is completely out of the circuit, as if it were not even there. Then the circuit is identical to an original Fuzz Face.
10. BIAS trim pot / SUNDIAL knob: the trim pot seen on the right / the knob in the center of the pedal's SUN FACE. If you have the SUNDIAL then the bias trim pot will set the voltage range of the sundial so you can adjust it if you prefer higher or lower voltages. There should be a mark at the stock calibration setting. It is set by us to the "sweet spot" for the fuzz, about 5 volts on the High transistor at about 70 degrees temperature. There will be a mark on the trim pot for this setting. If you have the SUNDIAL it should be set with the face straight. You may try other settings, but you should not turn the bias trim pot up all the way. The SUNDIAL can be turned up or down all the way. You can turn the bias down to get a stuttering, weak fuzz sound which can sometimes be useful. You can test the voltage to keep it set where you like it. Plug a cable into the input jack to operate the pedal. Voltmeter (+) lead to ground, one of the screw holes on the case will work. Put the (-) lead to the HIGH transistor leg closest to bias trimpot (says VOLT ↘ on the picture). About 5 volts is best for cleaner sounds. When it is set at 4.5 to 5 volts, it is the same circuit as the original germanium fuzz faces. This BIAS adjustment allows it to work well at any temperature.

ENJOY YOUR FUZZ!!!

Regards, Mike AnalogMike@aol.com
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