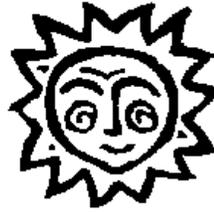


ANALOG.MAN



presents ...
the **SUN FACE**
FUZZ!!

A little history

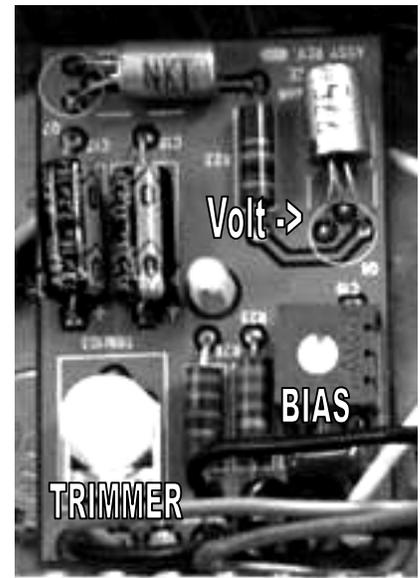
The Dallas Arbiter Fuzzface was one of the first Fuzz pedals, in the mid/late 1960s. They are very popular due to Jimi Hendrix and other great players of the 60s and 70s. We have been modifying recent fuzzfaces to the early specs for a long time, and started selling our own SUN FACE to keep the cost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



FEATURES

Our Sun Face is the standard 1960s 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.
2. Battery disconnected when INPUT cord removed (input is on the right).
3. No Power jack or LED as these are detrimental to the ultimate fuzzface.
4. Positive ground power. If you share a power supply with a normal pedal (negative ground), you will destroy the power supply.
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 forever since there is no LED.
6. This effect should not have any non-true bypass effects in front of it. Otherwise, the cleanup function will not work well.
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 TRIMMER knob to control the amount of fuzz.
9. TRIMMER KNOB : The white knob on the circuit board (TRIM103). 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 1967 germanium Fuzz Face.
10. BIAS trim pot or SUNDIAL knob: the square trim pot seen on the right, or the knob in the center of the pedal's SUN FACE. 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, or if you have the SUNDIAL it should be set with the face straight. You may try other settings, but DO NOT turn the bias trim pot up all the way, or much past the factory mark. The SUNDIAL can be turned up or down all the way. You can turn it 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 R23 (says VOLT-> on the picture). About 5 volts is best for cleaner sounds. I would not set it too high, much over 6 or 7 volts. When it is set at 4.5 to 5 volts, it is the same circuit as the original 1968 germanium fuzzface. You may find you need to turn it down (CCW) at higher temperatures, and up (CW) at lower temperatures. This BIAS adjustment allows it to work well at any temperature.



ENJOY YOUR FUZZ!!!

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