

# 9-PIN JACK

## FOR SYSTEMS HAVING BOTH THE SUSTAINIAC STEALTH PRO AND ALSO AN ACTIVE PICKUP SYSTEM

You can use this jack several ways. Connect it as a stereo output jack if you have a piezo system. Or you can connect two onboard active systems (one being the Sustainiac system, the other an active (EMG etc. pickup). Or, you can use the jack as a mono output jack, and connect batteries for three active systems, like Sustainiac + EMG etc. + active tone control etc.

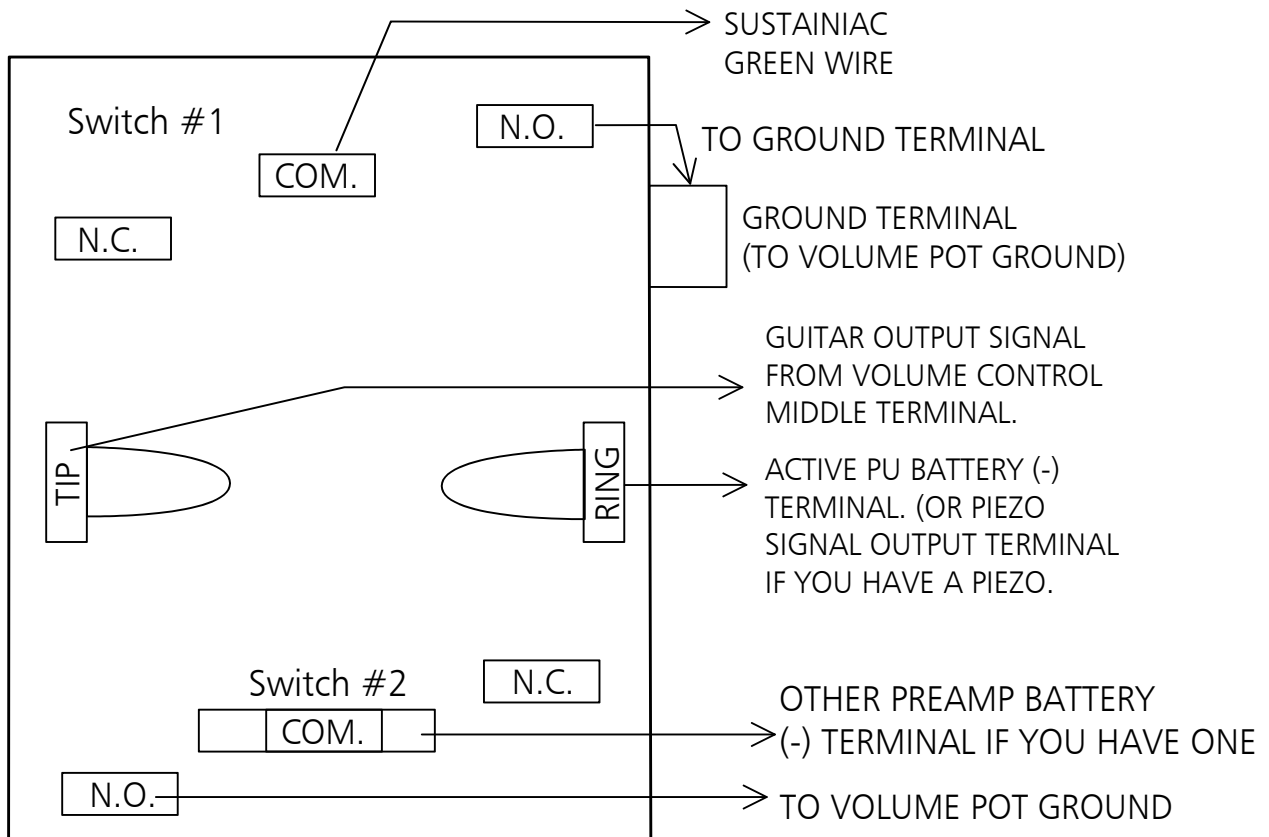
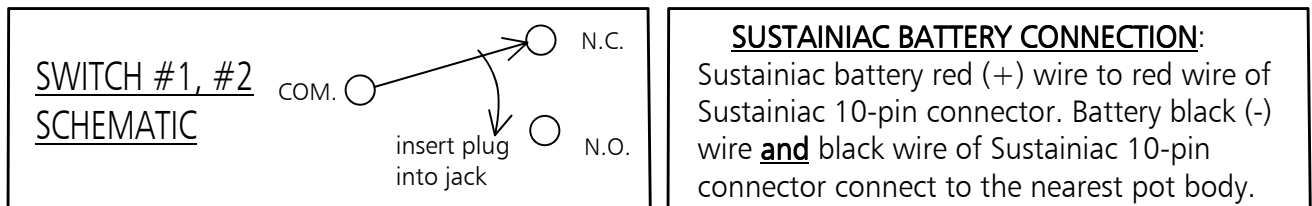
The Sustainiac must have its own separate battery. The active pickup (EMG, etc.) should also have its own battery. Oscillation is likely if both an active pickup and also the Sustainiac are connected to run on the same battery.

The magnetic pickup output signal (volume control center terminal) always connects to the TIP terminal of the jack. This 9-pin stereo guitar jack has two internal switches that are actuated when the guitar plug is inserted into the jack.

Connect the switch #1 Normally Open (N.O.) terminal to the switch GROUND terminal as shown. This GROUND terminal is then connected to guitar ground (volume control pot body) by using the shield of the output wire. Connect the Sustainiac GREEN wire to the switch common (COM) terminal.

When a mono guitar plug is inserted into the guitar jack, both switches close and allow power to be connected to both the preamp and also the Sustainiac (by connecting the green wire to ground. The RING terminal of the jack is simultaneously connected to ground which activates the EMG or other active pickup.

Switch #2 is unused unless you have another device on board, like active tone control etc.



### BOTTOM VIEW

Most people won't use this Switch #2 unless you have some other active circuit onboard. It might need yet a 3rd battery.