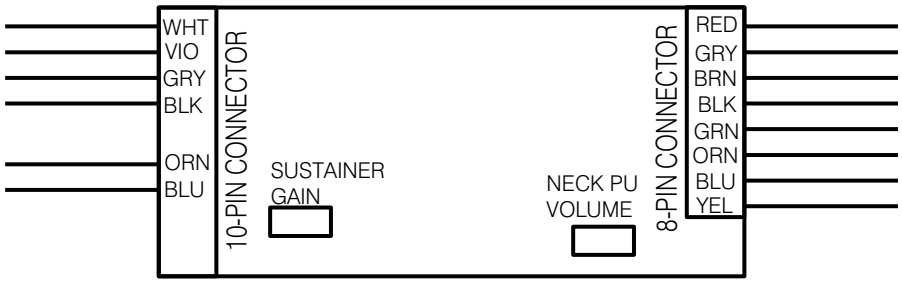
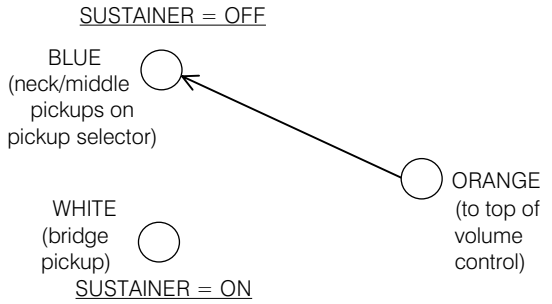
SUSTAINIAC® STEALTH PLUS WIRE FUNCTION DESCRIPTION



INTERNAL ELECTRONIC PICKUP SWITCH SCHEMATIC
(Switch terminals pin out to the 10-pin connector)



10-PIN CONNECTOR

WHITE: Sustainer input. Connects to bridge pickup "hot" wire
VIOLET/GRAY: Forces Harmonic mode when connected together (twist together and move away from guitar signal wires to prevent grunge in signal.)
BLACK: Signal Ground (low current ground); connects to pot bodies
ORANGE: electronic pickup switch "common" terminal (on circuit board)
Connects to BLUE wire (neck, middle pickup signal) when sustainer OFF
Connects to WHITE wire (bridge pickup signal) when sustainer ON
BLUE: Connect this to Middle/Neck pickup common terminal on pickup selector switch
(when sustainer ON, M/N pickup signals automatically replaced by bridge pickup signal)

8-PIN CONNECTOR

RED: Connects to +9 volts
GRAY: Connects to Driver RED wire for bridge pickup having (-) on pullaway. Connects to driver BLACK wire for reverse polarity pickups, such as EMG.
BROWN: Driver amplifier output, connects to driver (red) through power switch and harmonic "Mix mode" capacitor.
BLACK: Power ground. This wire must be connected to a pot body (signal ground), and ALSO must be connected to the battery (-) terminal.
The battery (-) terminal and the black POWER GROUND wire should both be connected to the same physical place on a pot body. Otherwise, grunge can be introduced into the guitar output signal.
GREEN: Standby wire. Connect to ground to turn on pickup amplifier, and place sustainer in Standby (battery current is 3-5 milliamps in Standby).
This wire is connected to the "ring" terminal of the output jack, which is connected to Ground when you plug a mono plug into the jack.
ORANGE: Input to driver preamp circuit (amplifies driver signal when sustainer is off, making driver an active neck pickup). Orange wire is connected to driver black (or red in case of "backward polarity" pickups, such as EMG) wire when ON/OFF switch is set to OFF position.
BLUE : Output from driver preamp circuit (This is the neck pickup signal). Goes to "neck pickup" terminal of pickup selector switch, or in the case of guitars not having a middle pickup, is normally connected to the blue wire on the 10-pin connector.
YELLOW: Connect to ground to turn sustainer ON. This is done when you turn the ON/OFF switch to ON.

POWER CONSUMPTION:
STANDBY: Battery current is 3-5 milliamperes in Standby (whenever guitar cord is plugged in)
RUN: Battery current is 40-60 milliamperes for most notes. Some notes in Harmonic Mode will be 10-50 ma.