



PERFECTO CLEAN SWITCH *pro*

INSTRUCTIONS

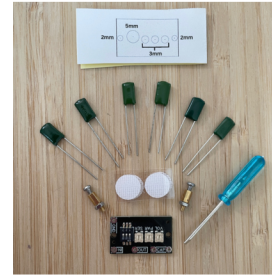


fig.1. Wiring Diagram

Making Connections

The diagram shows how to connect the Clean Switch Pro to a basic DPDT switch (fig. 1) in line with the signal wire to the output jack of the guitar. It can be fitted to any DPDT switch of your choice, including toggle switches, push/pull pots etc. If using the treble bleed feature then choose a capacitor and connect to the "CAP" terminals.

Setting up the treble bleed

Perfecto Clean Switch Pro kit includes a set of 6 capacitors, so that all of the most common treble bleed circuits can be replicated. It also has a Parallel and Series trim pot on the board to adjust the treble bleed sound (fig 2). These can be switched in and out, then set to approximate the sound of the Tone saver, TV Jones, Duncan and Kinman circuits as seen in the table (fig.3)

PAR affects the colour of the treble bleed tone. SER affects the volume of the treble frequencies bled back into your signal. Use the test points to get precise resistance settings on each as shown in fig.5.

Consult fig.3 for a list of good starter settings, or look at the instructions for the Treblemaker for more in depth details on how the controls affect the sound. These can be found at www.mars-tronic.com/instructions

Setting the Volume

Use the 'VOL' trim pot to set the volume drop level you would like when the switch is activated. When making adjustments to the treble bleed the volume control may need to be tweaked again, as this may affect the final volume level.

Mounting

The Clean Switch Pro has two mounting options. Provided in the kit is some adhesive velcro for mounting inside the control cavity. It can be mounted on the control cavity cover or similar. Mounting it this way means that adjustments can be made without removing the covers. The drill template has suggested drill sizes in mm for best results.

Also provided are mounting feet and a drill template sticker so that it can be mounted on the control cavity cover or similar. Mounting it this way means that adjustments can be made without removing the covers. The drill template has suggested drill sizes in mm for best results.

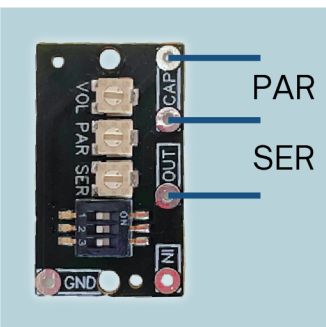


fig.5. Test points for precise settings. To measure "PAR" value, switch 1 ON, 2 and 3 OFF. For "SER" value, switch 3 ON, 1 and 2 OFF.

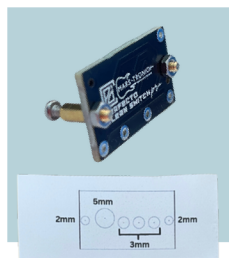
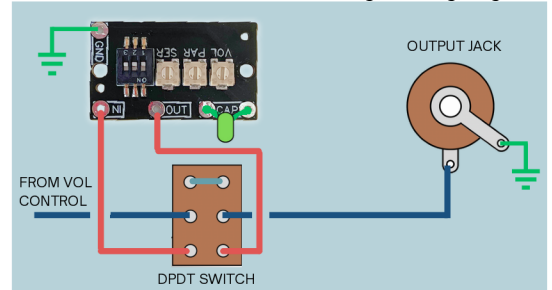


fig.4. Clean Switch with mounting feet attached and drill template sticker.



PLEASE NOTE: In some guitars the wiring configuration causes the TREBLEMAKER section of the circuit to behave differently and darken the tone.

The simple solution is to reverse the IN and OUT connections. This will again allow for optimal treble retention when setting the volume

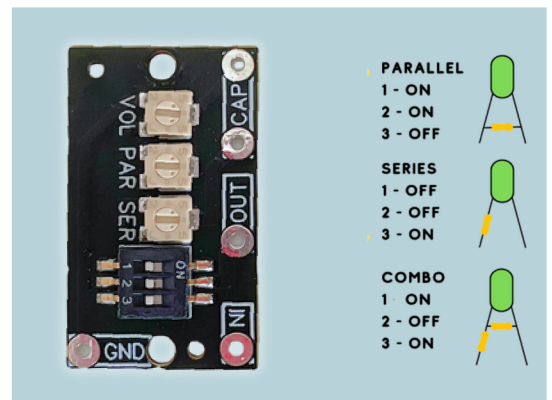


fig.2. Board layout and settings for the variable trim pots

NAME	CAPACITOR	PARALLEL	SERIES	SWITCH SETTING
MOJO TONE	471PF	220K	N	1 2 3 ON OFF
DIMARZIO	560PF	300K	N	1 2 3 ON OFF
SUHR	680PF	150K	N	1 2 3 ON OFF
FENDER TONE SAVER	1.2NF	150K	20K	1 2 3 ON OFF
TV JONES	1NF	150K	N	1 2 3 ON OFF
DUNCAN	1NF	100K	N	1 2 3 ON OFF
KINMAN	1.2NF	N	130K	1 2 3 ON OFF

fig.3. Table showing values of common treble bleed circuits and equivalent settings on the Treble bleed section of the board.