



PERFECTO CLEAN SWITCH

INSTRUCTIONS



Making Connections

The diagram shows how to connect the Perfecto Clean Switch (fig. 1) in line with the signal wire to the output jack of the guitar.

Setting up the treble bleed

Perfecto Clean Switch is designed with a preselected 1nF capacitor for the treble bleed section of the circuit. 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 accurate resistance readings for each.

It comes preset in a configuration that is suited to a broad range of applications, but you may have a favourite setting. Consult fig.3 for other 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 will need to be tweaked again, as this may affect the final volume level.

Mounting

The thread on the switch is 1/4-4 UNS-2A. So a 6.5mm drill for a tighter fit, or a 7mm for a free fit is recommended. Or if using imperial drills, an F drill for tighter fit and H drill for free fit hole. See fig.4.

Please make sure that the guitar body top over the control cavity, control plate or scratch plate is less than 7mm to ensure enough threads are exposed for the provided nut. This ensures secure mounting.

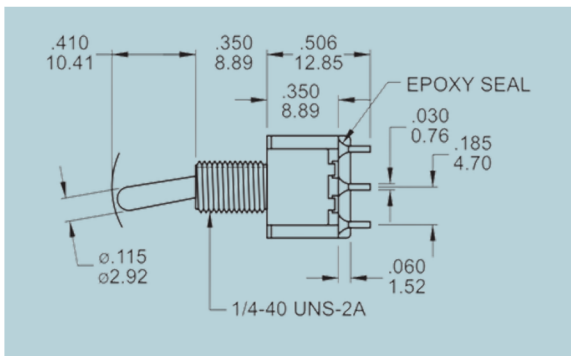


fig.4. Schematic of the DPDT switch built into the Perfecto Cleanswitch

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

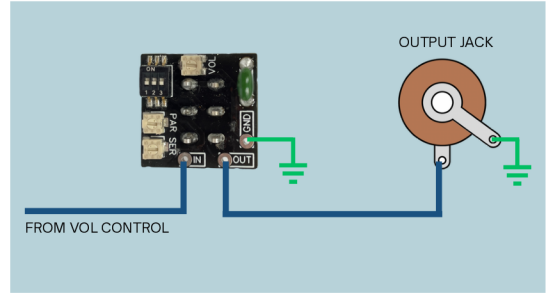


fig.1. Wiring Diagram

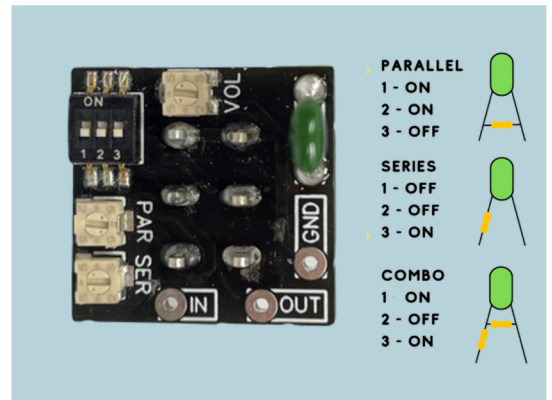


fig.2. Board layout and settings for the variable trim pots

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

fig.4. Table showing values of common treble bleed circuits and equivalent settings on the Treble bleed section of the board.