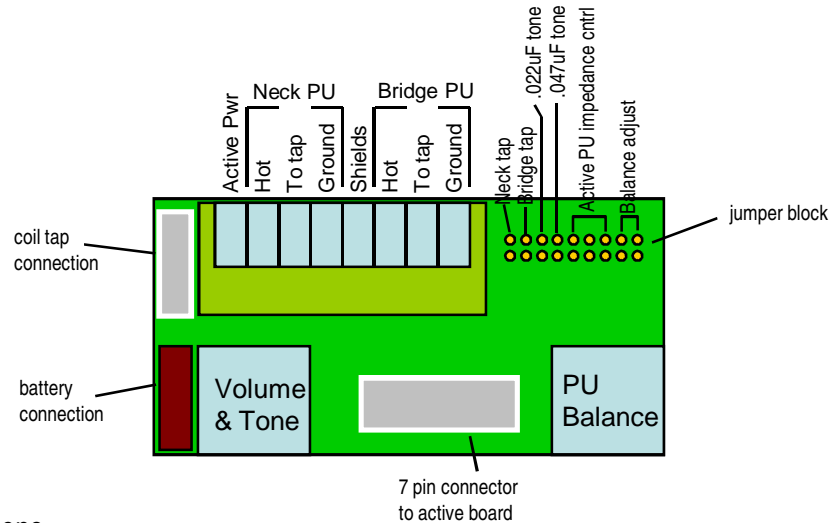


Fodera/Pope Internal Preamp Wiring and Jumper settings instructions

Wiring the pickups to the preamp For preamps built after 9/01/09

The Fodera preamp now uses convenient screw terminals for the connection of the pickups and shields. The screw terminal block can be unplugged after the wires are inserted into the terminals for easy removal of the preamp in the event the bass needs to be disassembled for maintenance. Integrated coil tap switching is available and configurable for either series or parallel operation.



PU connections

Active Pwr: Attach power wires for active pickups (like EMG's) here.

Hot: Connect hot wire from pickup here.

To tap: See NOTE

Ground: Connect PU ground(s) here. Do NOT connect PU drain wires here.

Shields: Attach PU drain wires and shield wires here.

NOTE ABOUT COIL TAP WIRING: For parallel and split operation connect the hot of the second coil to the "To tap" terminal and place jumpers on the "Neck tap" and "Bridge tap" positions on the jumper block. For series and split operation, connect the hot of the second coil AND the ground of the first coil to the "To tap" terminal and do NOT install jumpers on the "Neck tap" and "Bridge tap" positions on the jumper block.

A NOTE ON SHIELDING AND GROUNDING: The fact that a shield and a ground are often supposed to be at the same potential (0V) does not mean they can be treated as the same signal. We've gone to great lengths to insure that the ground/shield treatment in this preamp is cutting edge and maximizes the benefits of a true, low impedance, driven ground. Therefore, a few steps need to be taken in installation.

- 1) The output jack should NOT be mounted to the foil shield in the control cavity. Cut the foil away around the mounting hole. The only electrical connections to that jack should be the 3 wires that go to the switch board.
- 2) If your pickups have a "drain" or braided wire in addition to the hot and ground wires, it should be connected to the Shields terminal on the terminal block. This DOES NOT APPLY TO EMG PICKUPS or pickups with a single conductor and a shield. In this case, the shield wire IS in fact ground.
- 2) All shield wires including the bridge ground wire, any wires coming from the pickup cavities, and wires attached to the backs of pots should be connected at ONE POINT on the foil cavity shield. From that point, one wire should be run to the Shields terminal on the terminal block

Tone control selection - You can choose from two standard vintage passive tone control frequencies by placing a jumper on either the .022uF position (for a more nearly "J" bass setting) or the .047uF (position for a more nearly "P" bass setting). You may also choose to use both if you like a very deep setting. Pickups with lower impedances with benefit from a deeper setting.

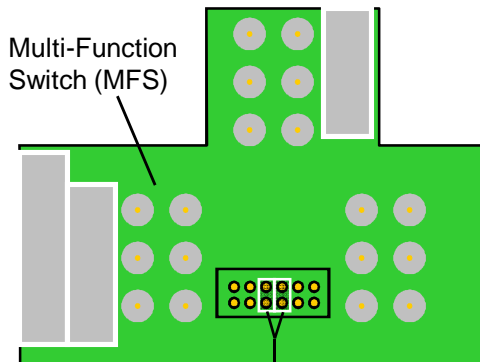
Active pickup impedance control - these jumpers should all be installed when using active pickups like EMG

Balance adjust - these jumpers should both be installed to even the taper of the balancer with certain pickups

The Switch Board

The jumpers on the switch board determine the function of the Multi-Function Switch (MFS). On previous Fodera preamps this was a KILL or STANDBY switch. The MFS can be configured as a KILL, Mid Frequency Bass Frequency, or combination Mid and Bass frequency switch. Jumpers for bass frequency selection are also located here. All settings are resettable at any time if you decide you want a function not initially chosen.

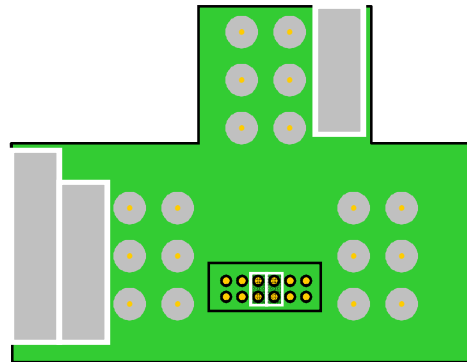
Please note that the kill switch and frequency select functions can not be used at the same time. If one is enabled, the other **MUST** be defeated. You'll never have more than 3 vertical jumpers installed at the same time on this board.



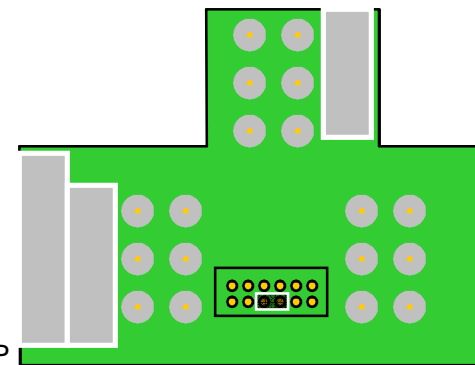
Multi-Function Switch (MFS)

MID SWITCH SELECT JUMPERS
These are for the mid switch.

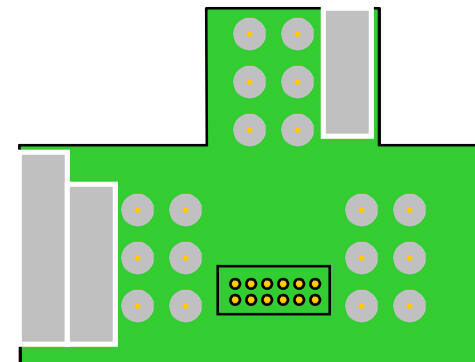
Up and down means enable

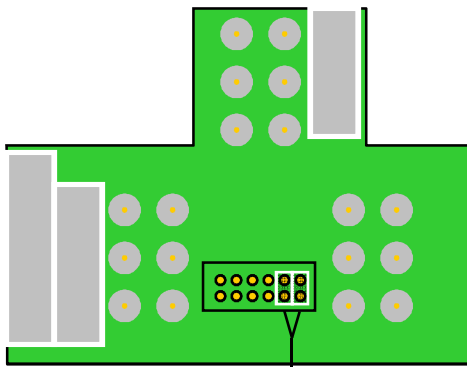


Side to side on the bottom two means the MFS will not affect midrange frequency and the frequency selected is the same as if the switch were in the UP position.



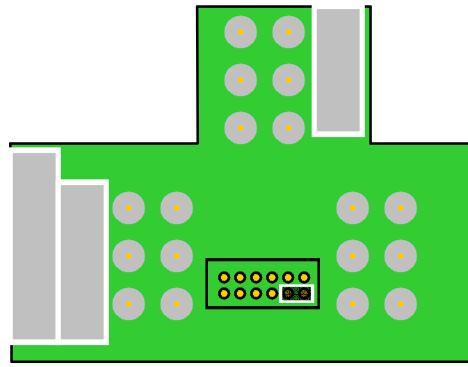
No jumper means the MFS will not affect midrange frequency and the frequency selected is the same as if the switch were in the DOWN position.



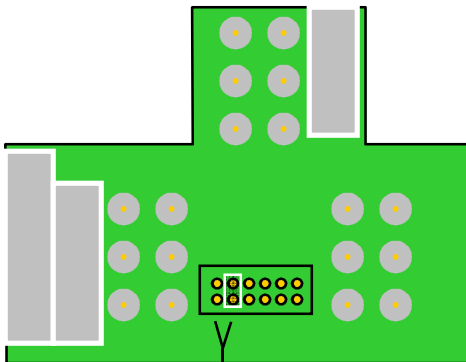


KILL SELECT JUMPERS
 These are for the
 kill switch.

Up and down means enable

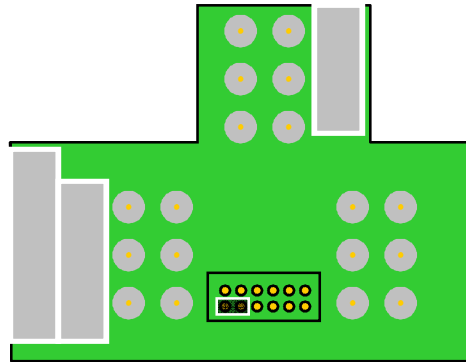


Side to side on the
 bottom two means defeat



BASS SHIFT JUMPERS
 These are for the bass
 frequency shift

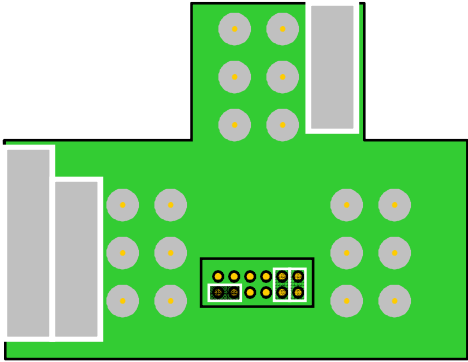
With jumper installed up and down, bass
 frequency shifts LOW when
 external mid switch is switched DOWN.



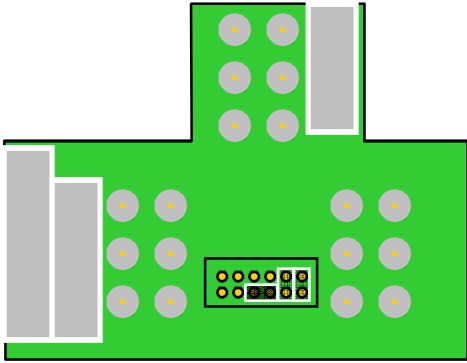
With jumper installed side to side, bass
 frequency stays at the LOW setting
 regardless of the switch position.

With NO jumper installed, bass
 frequency stays at the HIGH setting
 regardless of the switch position.

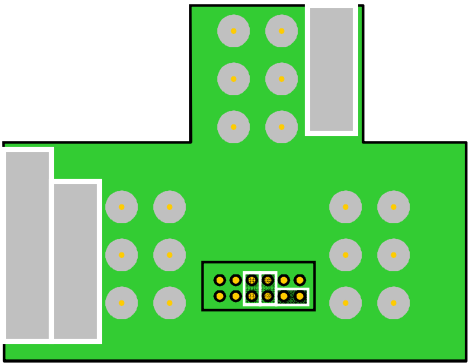
Sample Settings



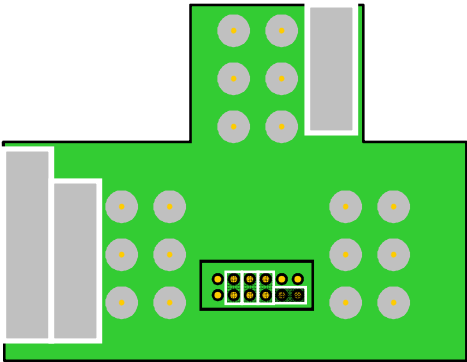
Active/Passive switch
Kill switch
Mid set low
Bass fixed low



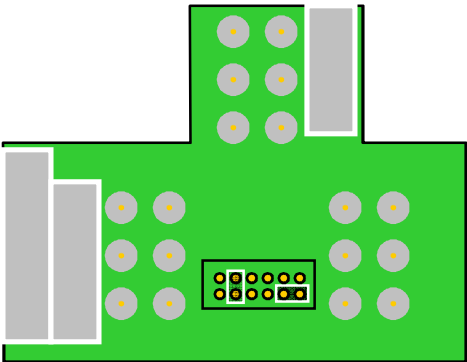
Active/Passive switch
Kill switch
Mid set high
Bass fixed high



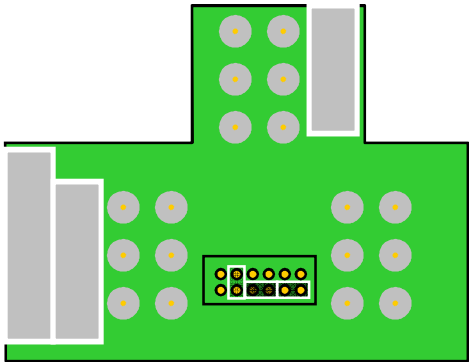
Active/Passive switch
Mid select switch
Bass fixed high



Active/Passive switch
Combined Mid/Bass select switch



Active/Passive switch
Mid FIXED low
Bass select switch

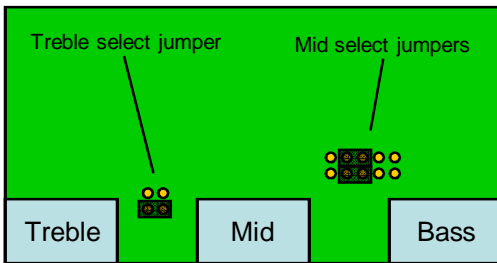


Active/Passive switch
Mid FIXED high
Bass select switch

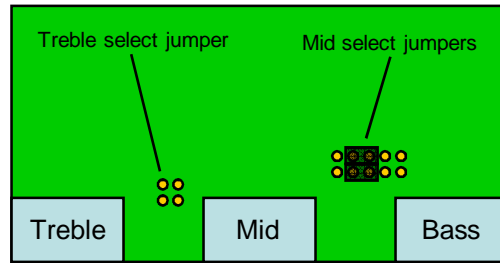
The Active Board

The Active Board is where the EQ is located as well as the ground driver, cable driver, and analog switches for midrange and bass switching. The jumper block on this board is where all of the midrange and treble frequency selection is done.

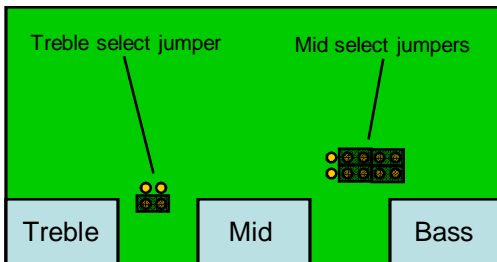
There are a total of 3 possible midrange frequencies from which to choose. We'll refer to the mid frequencies as "LOW", "MEDIUM", and "HIGH". Any two of the 3 can be assigned to the Multi-Function Switch. When setting mid frequencies, you are always selecting one frequency for the "UP" position of the switch, and one for the "DOWN" position of the switch. If you enable the midrange switch on the switch board the player can freely switch between them. If you defeat the midrange switch on the switch board, you use a jumper to select whether the midrange control is fixed at the "UP" setting, or at the "DOWN" setting. The jumper located between the treble and midrange controls is the Treble select jumper. Jumper ON is low, jumper OFF is high. The high setting is subtle. If you like very pronounced highs, and depending on your rig, you may prefer the low setting.



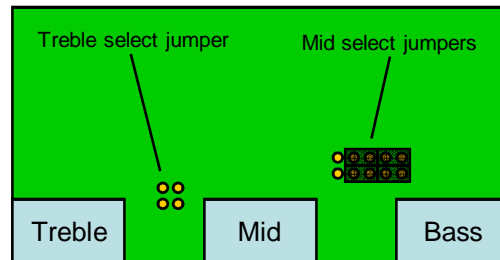
Switch UP = HIGH mid
Switch DOWN = MEDIUM mid
Treble is fixed low



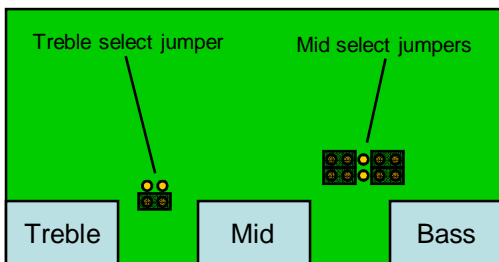
Switch UP = HIGH mid
Switch DOWN = MEDIUM mid
Treble is fixed high



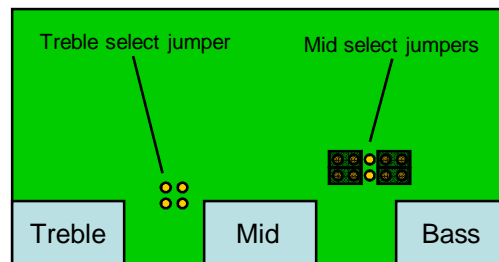
Switch UP = HIGH mid
Switch DOWN = LOW mid
Treble is fixed low



Switch UP = HIGH mid
Switch DOWN = LOW mid
Treble is fixed high



Switch UP = MEDIUM mid
Switch DOWN = LOW mid
Treble is fixed low



Switch UP = MEDIUM mid
Switch DOWN = LOW mid
Treble is fixed high