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## IBANEZ® 2HB guitar with VLX-91 switch

Many recent Ibanez guitars have this switch  
 This option has all positions hum-cancelling.

### SUSTAINIAC® DRIVER

**HARMONIC MODE CONTROL**  
 CLOCKWISE: IN = Normal mode  
 Pull OUT = Mix  
 COUNTERCLOCKWISE: IN = Harmonic mode  
 Pull OUT = Harmonic mode #2

#### SUSTAINER OFF

1. Bridge humbucker series
2. Bridge humbucker parallel
3. Bridge HB series plus neck
4. Bridge HB parallel plus neck
5. Neck pickup (Sust. driver)

#### SUSTAINER ON

1. Bridge HB series
2. Bridge HB parallel
3. Bridge HB series
4. Bridge HB parallel
5. Bridge series

#### GROUND CONNECTIONS

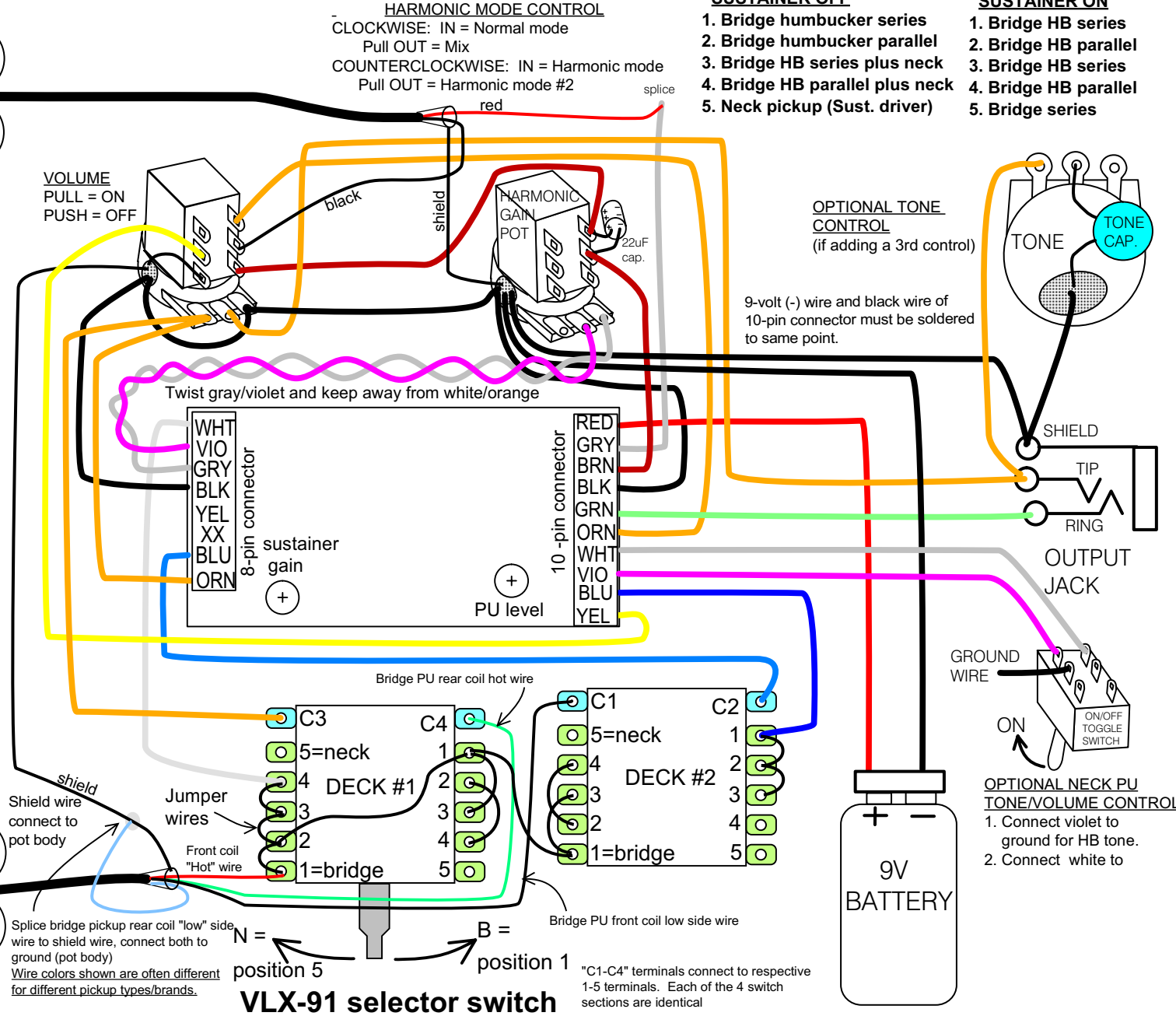
1. Output jack
2. 9-volt (-) (same point as 10-pin black)
3. Sustainiac 8-pin black
4. Sustainiac 10-pin black
5. Sustainiac driver shield
6. Bridge pickup shield
7. Bridge pickup "low side"
8. Bottom terminal of volume control
9. All pot bodies (whether 2 or 3).

**\*\*Orient board so that 8-pin connector is close to pickup selector sw. Keep white/orange wires SHORT and away from circuit board.**

**\*\*Solder ground wires to pot body, or tab, but not to the square switch portion of the control. Otherwise, internal plastic parts will melt.**

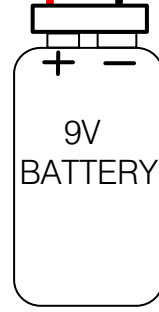
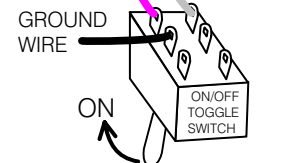
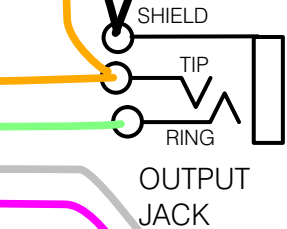
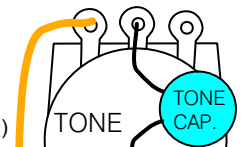
**\*\*Keep wires short to minimize electronic crosstalk from sustainer to pickup signal, to minimize distortion and "grunge".**

### BRIDGE PICKUP

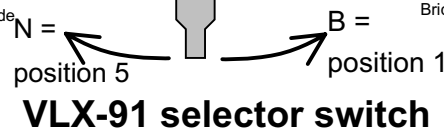
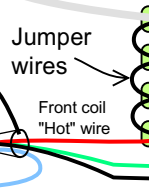
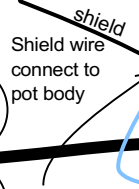


**OPTIONAL TONE CONTROL**  
 (if adding a 3rd control)

9-volt (-) wire and black wire of 10-pin connector must be soldered to same point.



**OPTIONAL NECK PU TONE/VOLUME CONTROL**  
 1. Connect violet to ground for HB tone.  
 2. Connect white to



"C1-C4" terminals connect to respective 1-5 terminals. Each of the 4 switch sections are identical