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IBANEZ® Jem guitar with VLX-91 switch

Most recent Ibanez guitars have this switch

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
2. Bridge tap + middle
3. Middle
4. Neck + bridge humbucker
5. Neck pickup (Sust. driver)

SUSTAINER ON

1. Bridge humbucker
2. Bridge tap
3. Bridge hum.bucker
4. Bridge humbucker
5. Bridge humbucker

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. C terminal of pickup selector switch containing bridge pickup tap wire
9. All pot bodies (whether 2 or 3).
10. Bottom terminal of vol. control

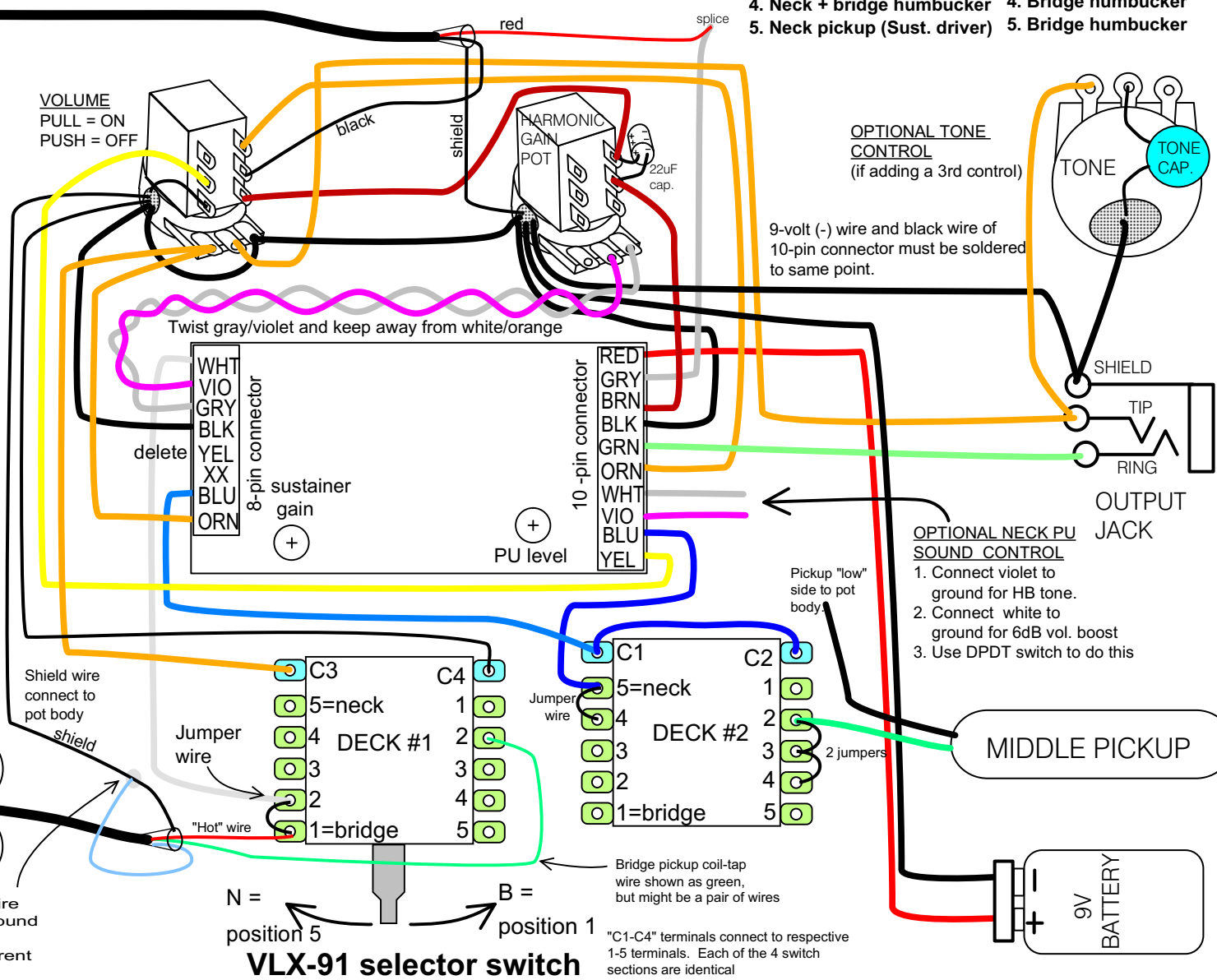
****Orient board so that 8-pin connector is close to pickup selector sw. Keep white/orange wires SHORT and away from circuit board.**

****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

Splice bridge pickup "low" side wire to shield wire, connect both to ground (pot body)
 Wire colors shown are often different for different pickup types/brands.



OPTIONAL TONE CONTROL
 (if adding a 3rd control)

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

Twist gray/violet and keep away from white/orange

OPTIONAL NECK PU SOUND CONTROL

1. Connect violet to ground for HB tone.
2. Connect white to ground for 6dB vol. boost
3. Use DPDT switch to do this

N = position 5
 B = position 1
VLX-91 selector switch

Bridge pickup coil-tap wire shown as green, but might be a pair of wires
 "C1-C4" terminals connect to respective 1-5 terminals. Each of the 4 switch sections are identical