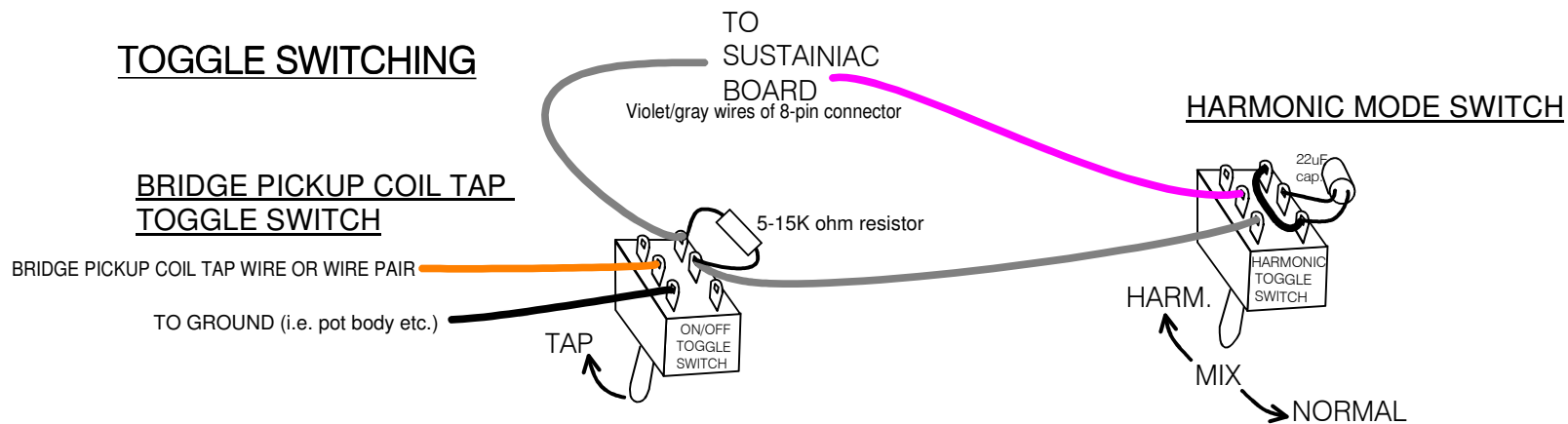


COIL TAPPING: This connects the junction of the two series-connected pickup coils to ground, which produces the familiar bright sound. The downside is that it will hum. When HARMONIC MODE is activated and also the bridge pickup is tapped, the Sustainiac will often start squealing (oscillating). This is because Harmonic Mode gain is set rather high for a bridge humbucker. It is usually too high for a single-coil bridge pickup.

HARMONIC MODE occurs when the grey and violet wires of the 8-pin connector are connected together. So, to solve this oscillation problem when coil-tapping a humbucker pickup, we insert a series resistor in between the gray/violet wires. This lowers the gain of Harmonic Mode. The greater the resistor value, the lower the gain. For VERY HOT bridge pickups (such as the Duncan Invader) we use 15K ohms.

TOGGLE SWITCHING



PUSH-PULL SWITCHING

