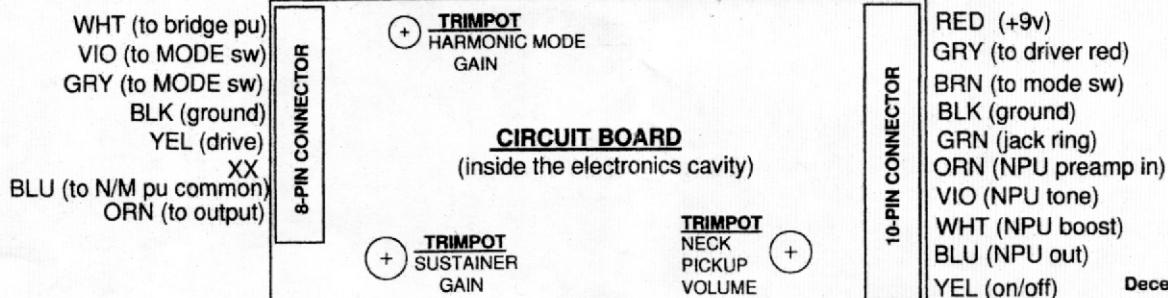


# HELLRAISER SUSTAINIAC OWNERS MANUAL

## **SUSTAINIAC® OPERATING INSTRUCTIONS**

1. **KEEP UNPLUGGED WHEN NOT PLAYING:** When guitar jack is inserted, sustainer is in **STANDBY**. The Sustainiac *magnetic string driver* functions as an active neck pickup when the sustainer is OFF. The neck pickup preamp is operating. Therefore, standby mode uses about 2 milliamperes of battery current. This *standby current* will run down the battery in about 250 hours. **Don't leave it plugged in!**
2. **NECK PICKUP VOLUME TRIMPOT** on circuit board: Sets neck pickup volume relative to other pickups. Factory set for good balance.
3. **SUSTAINER GAIN TRIMPOT** on circuit board: Sets how quickly sustain builds up. Factory set for optimum sustainer gain.
4. **HARMONIC MODE GAIN TRIMPOT** on circuit board: Sets HARMONIC MODE gain only. Factory set for optimum sustainer gain.
5. **9-VOLT BATTERY:** Use only 9-volt **alkaline** batteries. Battery life is about 15-40 hours for Sustainiac, depending on how much you use the sustainer. When battery voltage decays to about 7 volts, the neck pickup will quit working. This is the time to replace the battery  
EMG pickup has a separate 9-volt battery.

**DRIVER AND BRIDGE PICKUP HEIGHTS:** These are factory pre-set for good performance. Both the bridge pickup and the Sustainiac driver contribute **equally** to the response of the sustainer, particularly in *Harmonic Mode*. To increase sustainer response, raise **both the driver and bridge pickups** closer to the **little** e-string, and not so close to the **big** E-string. If the sustain is too strong for your playing style, or if it *fighters* you, **lower** both the driver and bridge pickup a little under both strings. As they get closer to the strings, a small difference in height of either the driver or bridge pickup makes a big difference in sustainer response. Many people who are new to the Sustainiac start out with the driver lower under the strings. But, as they get used to playing with a sustainer, they raise the driver up closer to the strings for more extreme sustain.



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## USING THE SUSTAINIAC® SUSTAINER TO GET INFINITE SUSTAIN, AT ANY VOLUME

1. Sustainer placed in **STANDBY** when guitar plug is inserted in jack. **KEEP UNPLUGGED IF NOT PLAYING INSTRUMENT.**
2. **POWER SWITCH:** ON = DOWN position (Only bridge pickup functions when sustainer on, regardless of pickup selector switch setting.)
3. **HARMONIC MODE SWITCH:**  
**DOWN:** NORMAL MODE (mode switch in DOWN position): Produces mostly fundamental (normal) infinite string vibration.  
**MIDDLE:** MIX MODE (middle position): Produces a combination of fundamentals on high notes, harmonics on lower notes. Similar to natural amp feedback, only much more predictable. Harmonics fade in more slowly.  
**UP:** HARMONIC MODE (mode switch up): Notes fade into intense upper harmonic vibration mode. *Metal Madness!*
4. **SUSTAINER DRIVE KNOB:** Sets maximum string vibration intensity.

