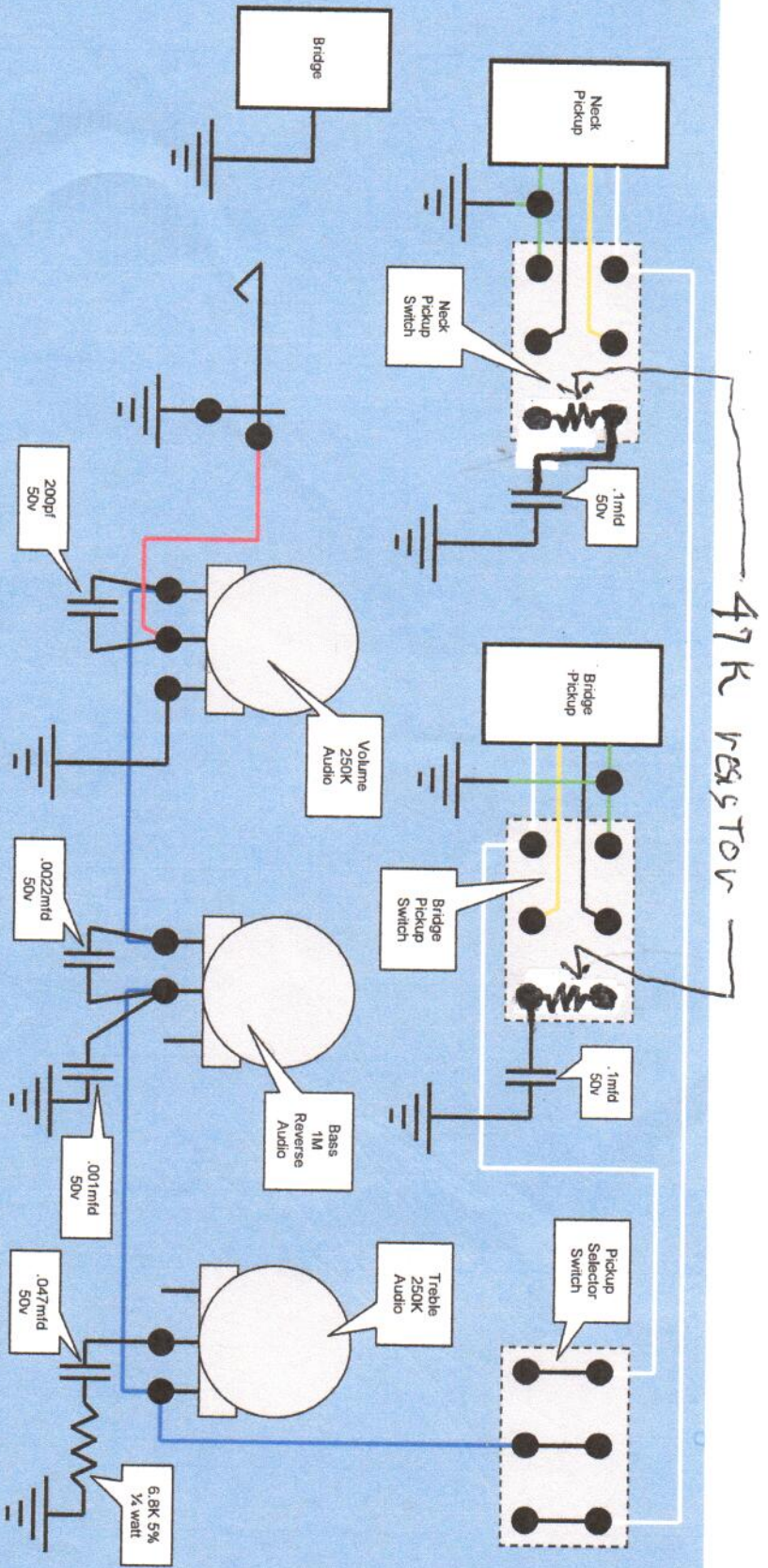




This is a passive circuit that provides advanced coil switching and G&L standard passive EQ. Coil switching provides parallel, single coil (outers), and series modes. Series mode also adds a .1mfd filter cap to one of the coils, producing L-1000 style "bass boost" or "Oh My God" mode. The EQ circuit is, with the exception of a resistor on the treble pot used in the early circuits, the same (basic) onboard circuit that has been in use by G&L since the Leo era.

All switches are C&K Components 7211SYZQE (Digikay CKN1132-ND). These are DPDT ON-ON-ON switches and there is no special orientation for the switches. Capacitors are valued as specified, and should be the polyester type. The 200pf cap on the volume control may be difficult to source in polyester, so ceramic may be used or it may simply be not used at all. If replacing the pots, it is recommended that they be sourced from G&L.

Important note: The .1mfd "OMG" caps will not introduce noise, but do cause the coil pair to become unbalanced and somewhat hum additive rather than humbucking. This is a normal occurrence in a two-pickup bass and is not seen with the L-1000. To avoid this noise, do not install these caps. The pickups will then be humbucking in series mode.

Special thanks to Daveplaybass, on Talkbass and elsewhere, for his kindness in development of parts of this circuit, as well as sharing his work with the G&L bass community.

PU Selector
FRONT BOTH REAR
NECK PU
Single BOTH
BRIDGE
Single BOTH
OMG

Special Circuit Diagram

G&L L-2000, L-2500, and ASAT basses. Includes Tribute.

Old (Pre and early BBE era) Style Bottom view of components



G&L Wiring

- The .1mfd "OMG" caps in the switching circuit will have the effect of making the pickups somewhat hum-additive with both pickups in this mode. Solutions to this might be to only use one pickup at a time when in this mode or to not install the caps. If the caps are not installed, the resulting switching circuit will be effectively the same as the "K" model switching found on some current G&L two pickup basses; Parallel/Single/Series modes.
- Note: If the OMG caps are not installed, do NOT replace them with a grounding lead. Just leave off the caps, but DO leave the shorting wire between the switch lugs. (Lugs 1 and 4 if you're doing this by the numbers)
- As noted in the circuit descriptions, it is recommended that replacement pots be sourced from G&L. This is particularly important for the bass pot, which is 1M reverse audio taper (a bit of an oddity).
- Also as noted in the circuit descriptions, capacitors should of the polyester type. These are typically the small green-colored wafer shaped devices. The exception to this might be the 200pf cap on the volume pot, which may be substituted with ceramic if the polyester cap cannot be sourced. There is no need to obtain Sprague "Orange Drop" caps for this circuit, as it isn't a tube guitar amp.
- The switches can be ordered through Digikey.
Click [here](#) for the item page. They may be available from other distributors. Care should be taken to verify equivalence if using switches other than those specified.
- A C&K Components catalog, with pinouts, for the 7000 series of mini toggle switches can be found [here](#).