FENDER "DELUXE" SCHEMATIC
MODEL 5E3

- Signal in from guitar in very low voltage AC
- Stratocaster single coil
- Low E string mode = 0.065
- 80 millivolts

- Bright Hi Input Jack
- 12AY7 Preamp Tube
- 0.040 coupling cap
- Grid Stopper
- Load Resistor
- Et Al.

- Phono-Preamp V6B
- 6V6GT Power Tubes
- Phono-Pull Power Tubes
- 6V6GT

- Push-Pull Power Tubes
- 6V6GT
- 6L6GC
- 5Y3GT Rectifier

- Extra 8Ω Speaker
- Signal out to speaker in low voltage high current AC
- Typical: 8 Ohms
- 12 Watts
- 25Vmpk
- 0.15Amps

- Notes:
  - The input resistor acts as a V1's grid leak resistor.
  - Grid Stopper Resistor is of unimportant resistance above human hearing.
  - Grid Stopper Resistor also acts as a coupling resistor for each channelless line inputs.
  - The volume pot acts as a V1's grid leak.
  - The input Resistor maintains high input impedance for increased signal voltage at the grid by hiding g-detail line current for voltage.
  - Grid Resistor provides the signal voltage path.
  - Grid Leakage decreases it's unwanted current & signal voltage.

- Load Resistor increases input impedance to enhance high-level signal voltage transfer.
- Power Cord: Green Wire
- AC Switch: 2 Amp Fuse
- Pilot Light: 63 Volt Filaments

- Annotated by Rob Rosenthal