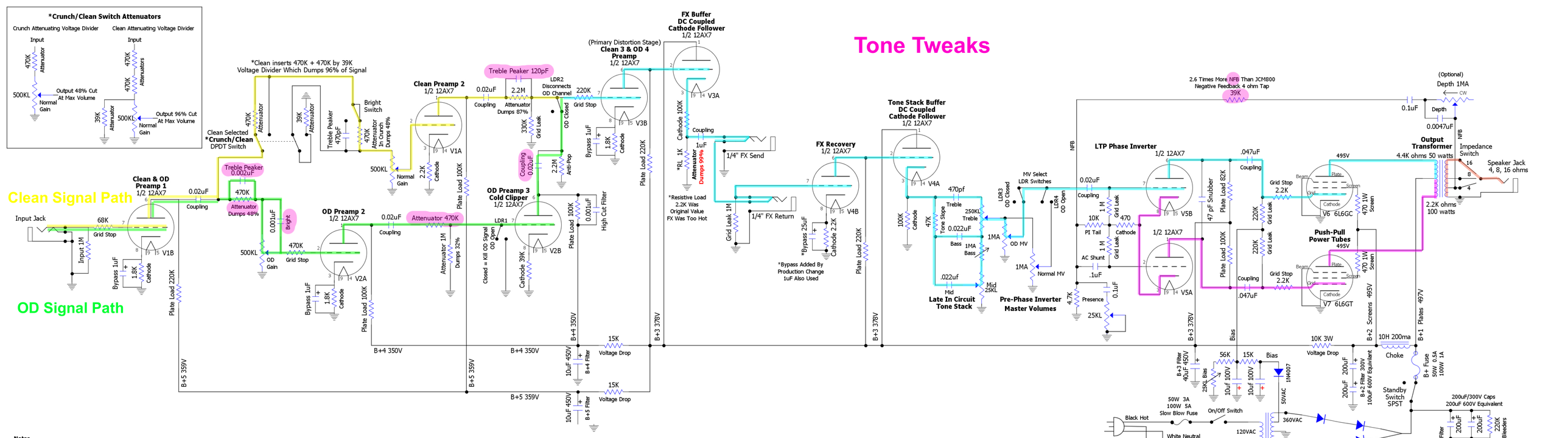

Soldano Super Lead Overdrive SLO-100 & 50

Switches Shown In OD Mode, Clean On, Bright Switch Off, Standby Closed

Notes
Overdrive Mode = OD Switch Open or Footswitch Open = LDR2 & LDR3 ON
Clean Mode = OD Switch Closed or Footswitch Closed = LDR1 & LDR4 ON
Light Dependent Resistors (LDR) Are Vactec VTLSC1, LED + LDR Optisolator Switches
LDRs Are Used As Silent Switches - LED On = Switch On/Closed
Switches Shown In OD Mode, Clean On, Bright Switch Off, Standby Closed
Clean Channel Is Active & Parallel In OD Mode
Channels Are Out Of Phase With No Channel Mixing Resistors For Max Interaction
Crunch/Clean Switch Swaps Two Attenuating Voltage Dividers (see upper left of schematic)
OD Channel Is Deactivated In Clean Mode
FX Send Attenuator Dumps 99% Of Guitar Signal, FX Recovery Brings It Back
Bass Frequencies Are Attenuated By Partial Cathode Bypass, Not Coupling Cap Size
For High Voltage Bias Tap Insert 220K 1W Resistor Before Bias Diode
All Resistors Are Metal Film 1/2W 1% Unless Otherwise Noted
All Caps .002uF and Smaller Are Dipped Ceramic

Clean Signal Path = Preamp 1 + Crunch/Clean Attenuator + Clean Gain Pot + Clean Preamp 2 + Attenuator + Clean Preamp 3 + FX Buffer + Attenuator + FX Jacks + FX Recovery + Tone Stack Buffer + Tone Stack + Clean Master Volume + LTP + Power Tubes + Output Transformer + Speaker

Overdrive Signal Path = Preamp 1 + Parallel Channels { Clean/Crunch Attenuator + Clean Gain Pot + Clean Preamp 2 + Attenuator ; OD Attenuator + OD Gain Pot + OD Preamp 2 + Attenuator + OD Preamp 3/Cold Clipper } + OD Preamp 4 + FX Buffer + Attenuator + FX Jacks + FX Recovery + Tone Stack Buffer + Tone Stack + OD Master Volume + LTP + Power Tubes + Output Transformer + Speaker
(Channels Are Out Of Phase And No Mixing Resistors Used For Maximum Interaction In OD Mode)