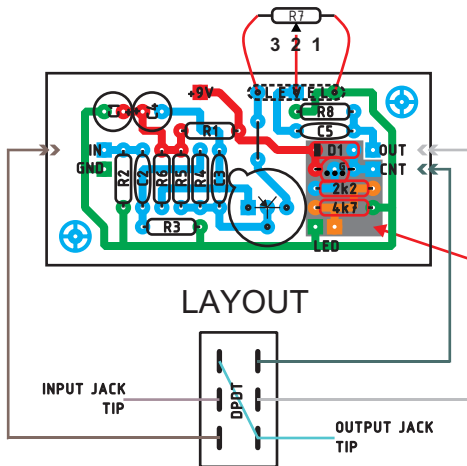


RANGE MAISTRO

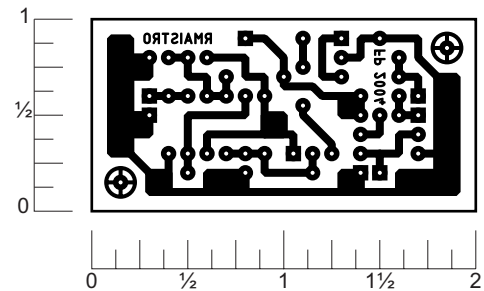
Rev.2.Aug.21.2004

Build a Dallas Range Master or Brian May Treble Booster workalike with PNP (Ge or Si) transistors using NEGATIVE GROUND so it's compatible with the power supply of the rest of your pedals. Millennium bypass (R.G. Keen) added to the board for LED with DPDT footswitch. Transistor socket is highly recommended. DPDT bypass switch wiring shown on the layout. Registered trademarks are property of their owners.



LAYOUT

Millennium Bypass:
Parts outlined RED
can be left out if status
LED is not required or
when using 3PDT switch



READY TO TRANSFER

Range Master PARTS LIST

Resistors

R1 - JUMPER
R2 - 1M*
R3 - 470k
R4 - JUMPER
R5 - 68k (Rb1)
R6 - 4k7 (Re)
R7 - 10k Log Pot.
R8 - 1M*

Capacitors

C1 - 25 μ F
C2 - 0.0068 μ F
C3 - EMPTY
C4 - 25 μ F
C5 - 0.01 μ F

Transistors

Q1 - PNP Ge

Brian May T-Boost PARTS LIST

Resistors

R1 - 100 ohm
R2 - 120k
R3 - 100k
R4 - 1k
R5 - 22k (Rb1)
R6 - 2k4 (Re)
R7 - 10k Log Pot.
R8 - 1M*

Capacitors

C1 - 47 μ F
C2 - 0.005 μ F
C3 - 0.001 μ F
C4 - 47 μ F
C5 - 0.05 μ F

Transistors

Q1 - 2N5087

Millbypass

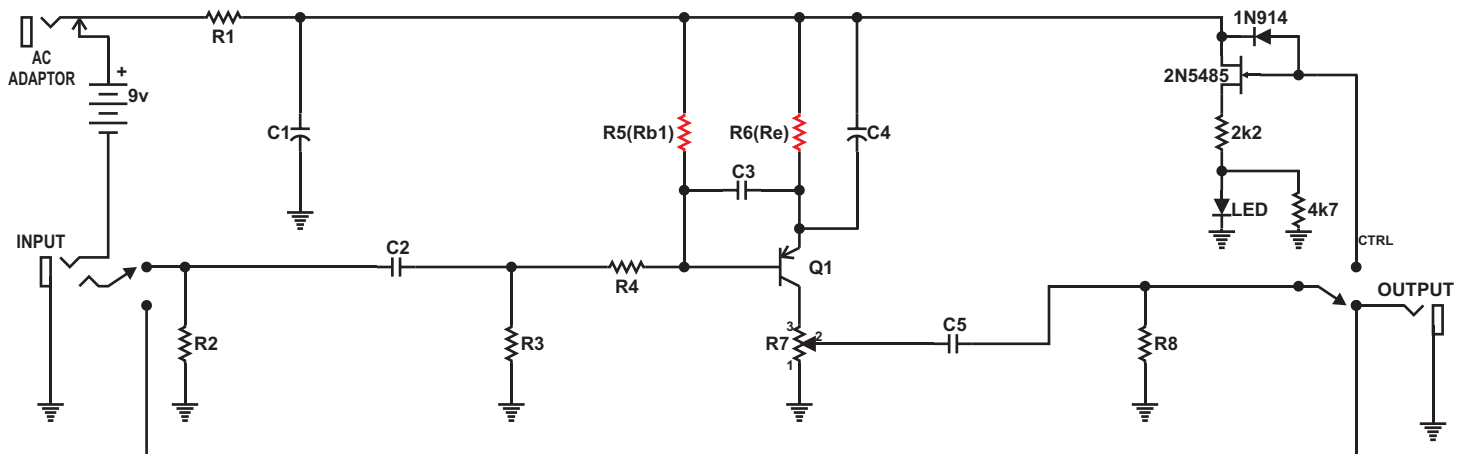
1 - FET**
1 - 4k7**
1 - 2k2 (2.2k)**
1 - Diode**
1 - LED**

Notes:

* These resistors are for preventing switch popping and were not in original circuits.

** These parts can be left out if Millennium bypass is not wanted

Schematic



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