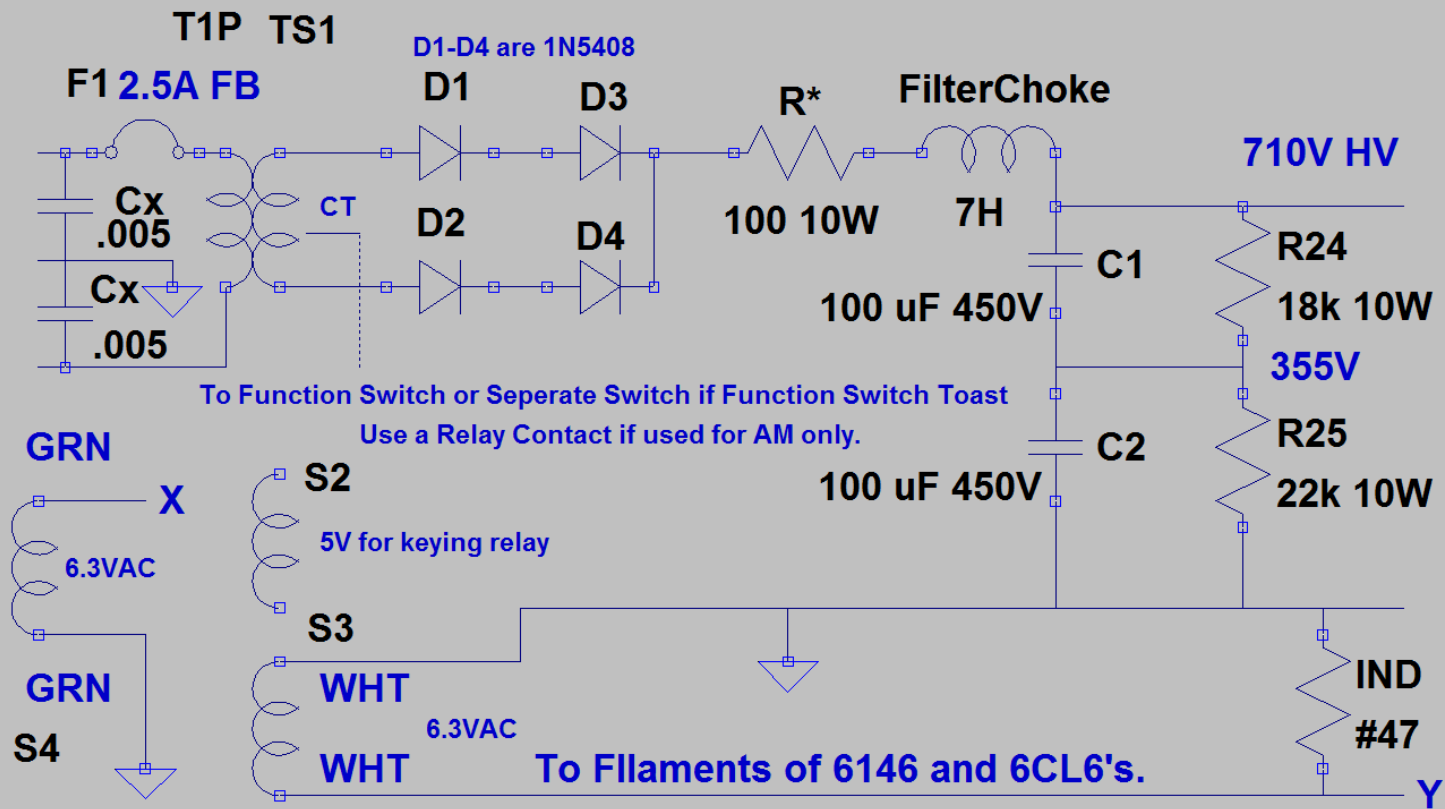
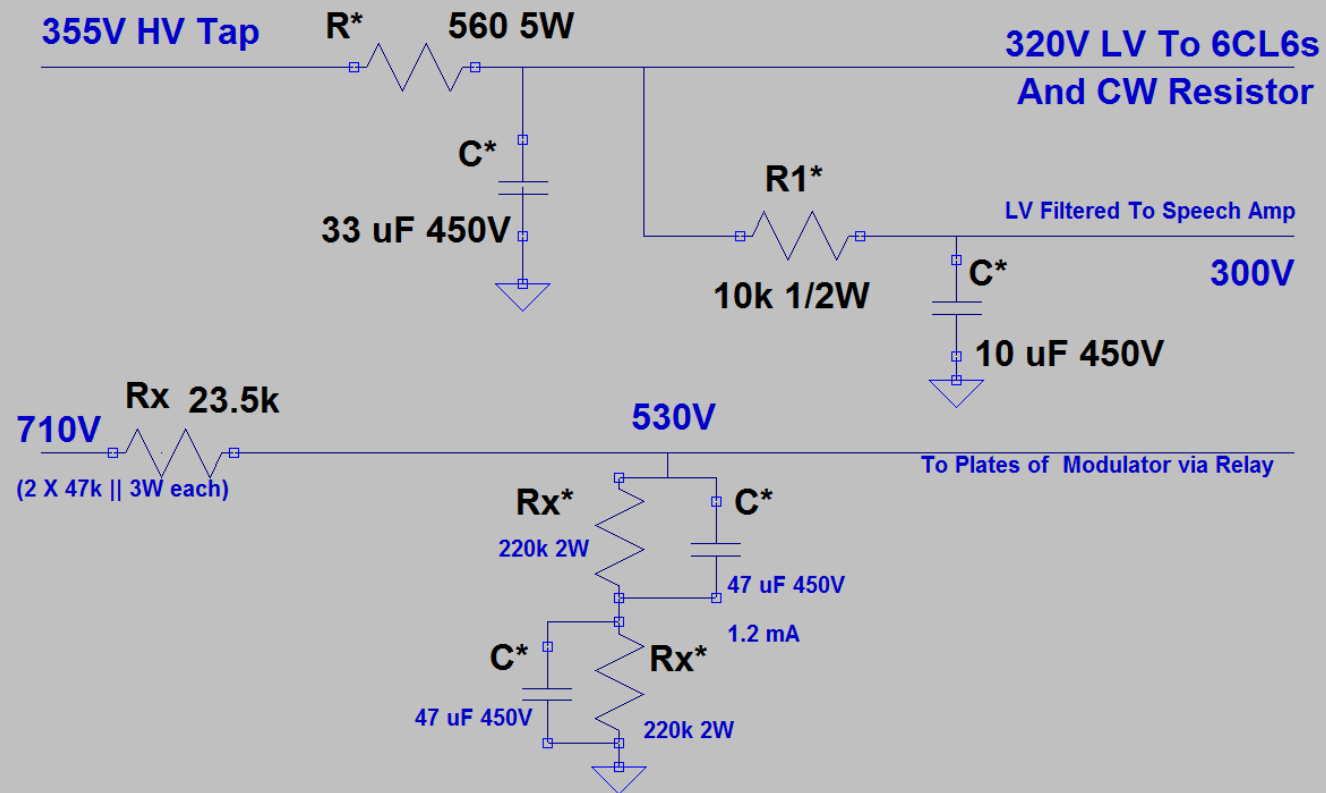


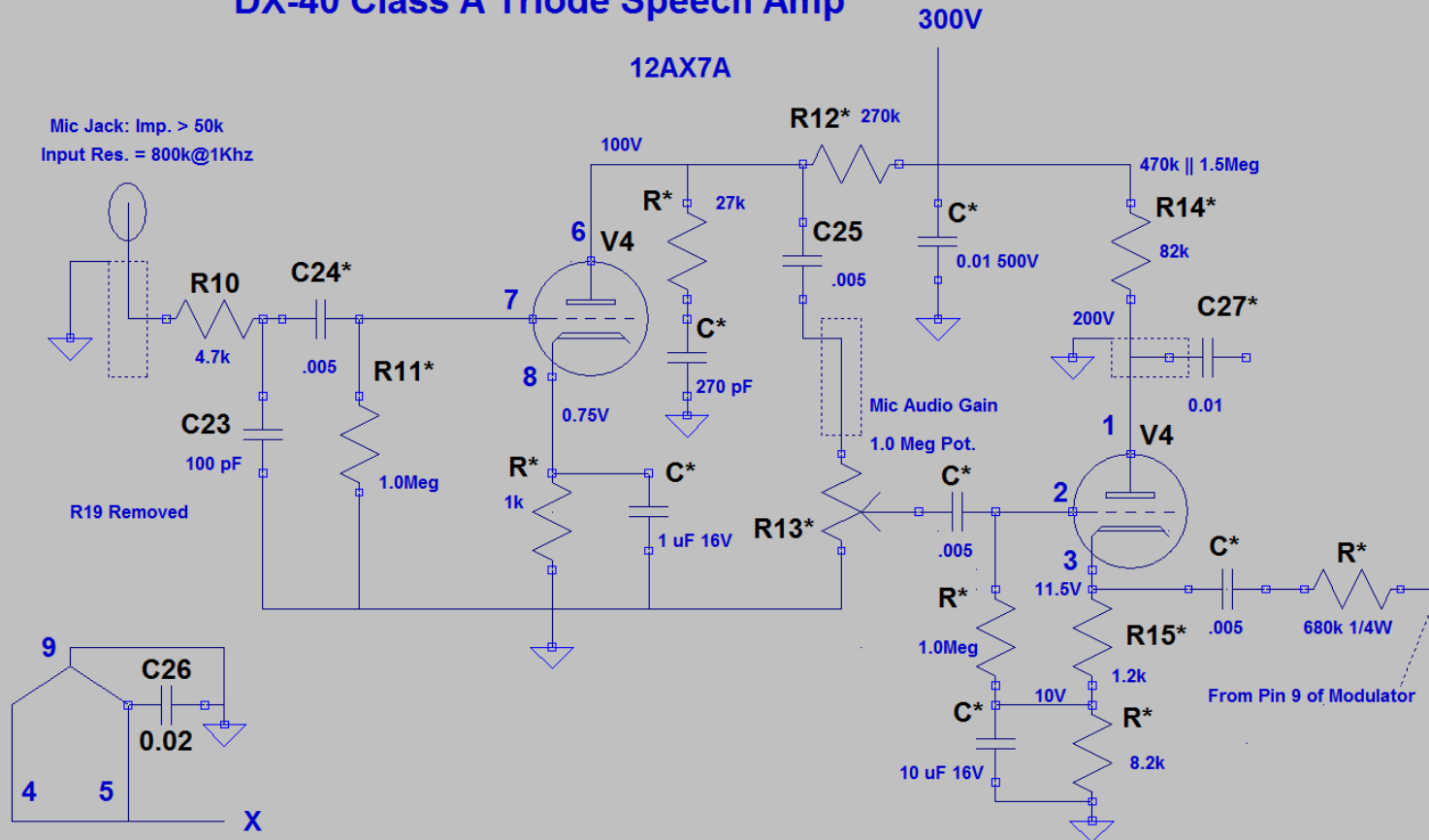
DX-40 HV Supply



DX-40 Voltage Dividers

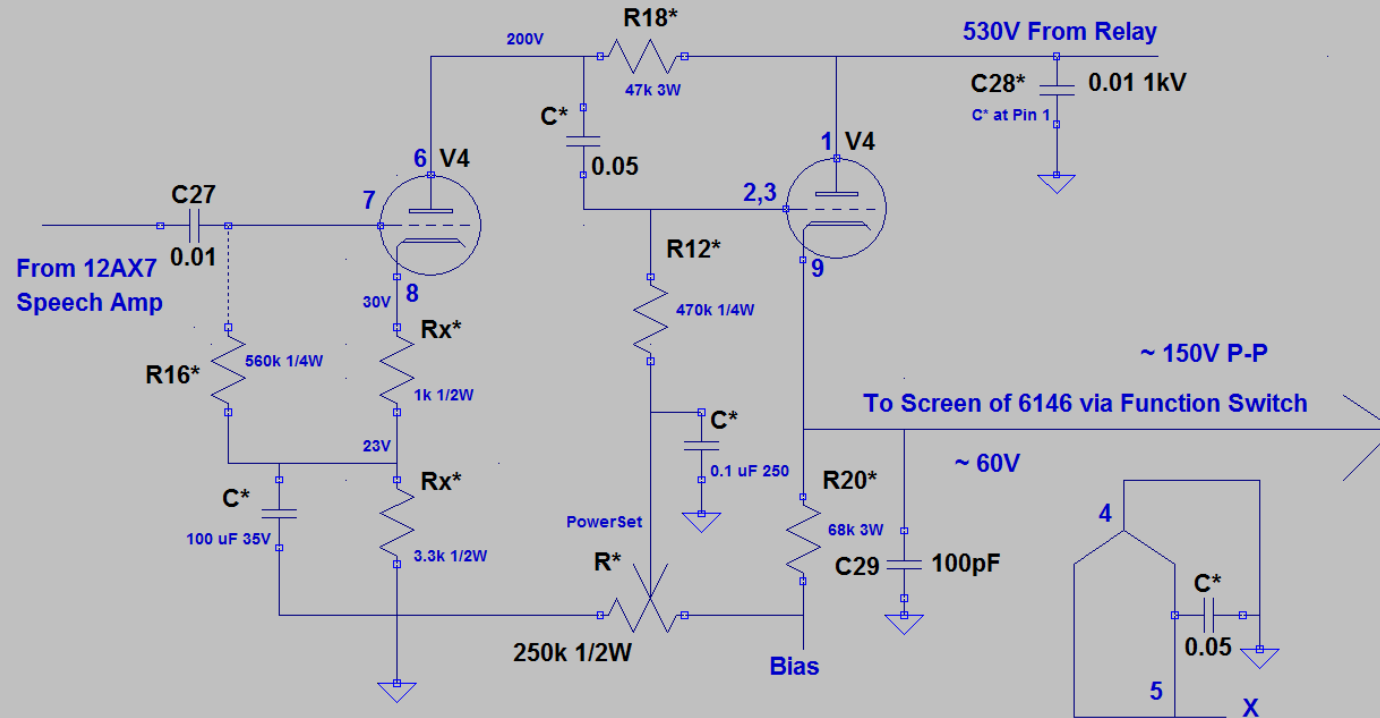


DX-40 Class A Triode Speech Amp

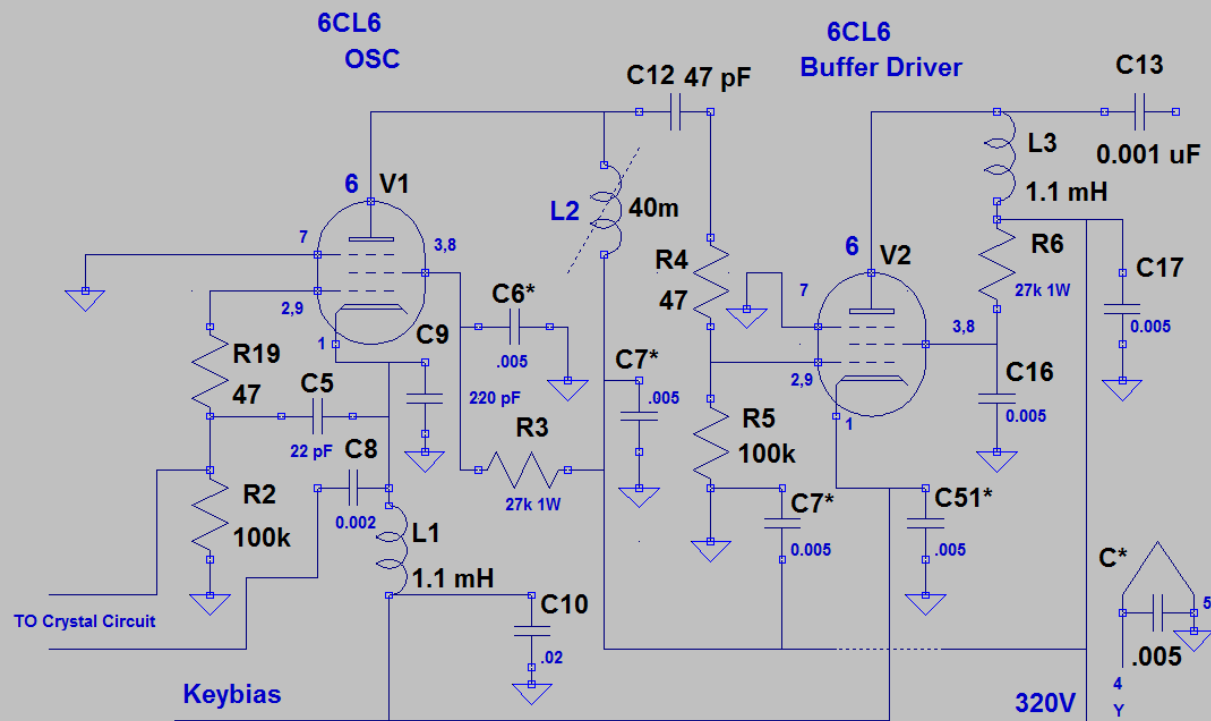


Heathkit DX-40 Modulator Circuit 6DE7

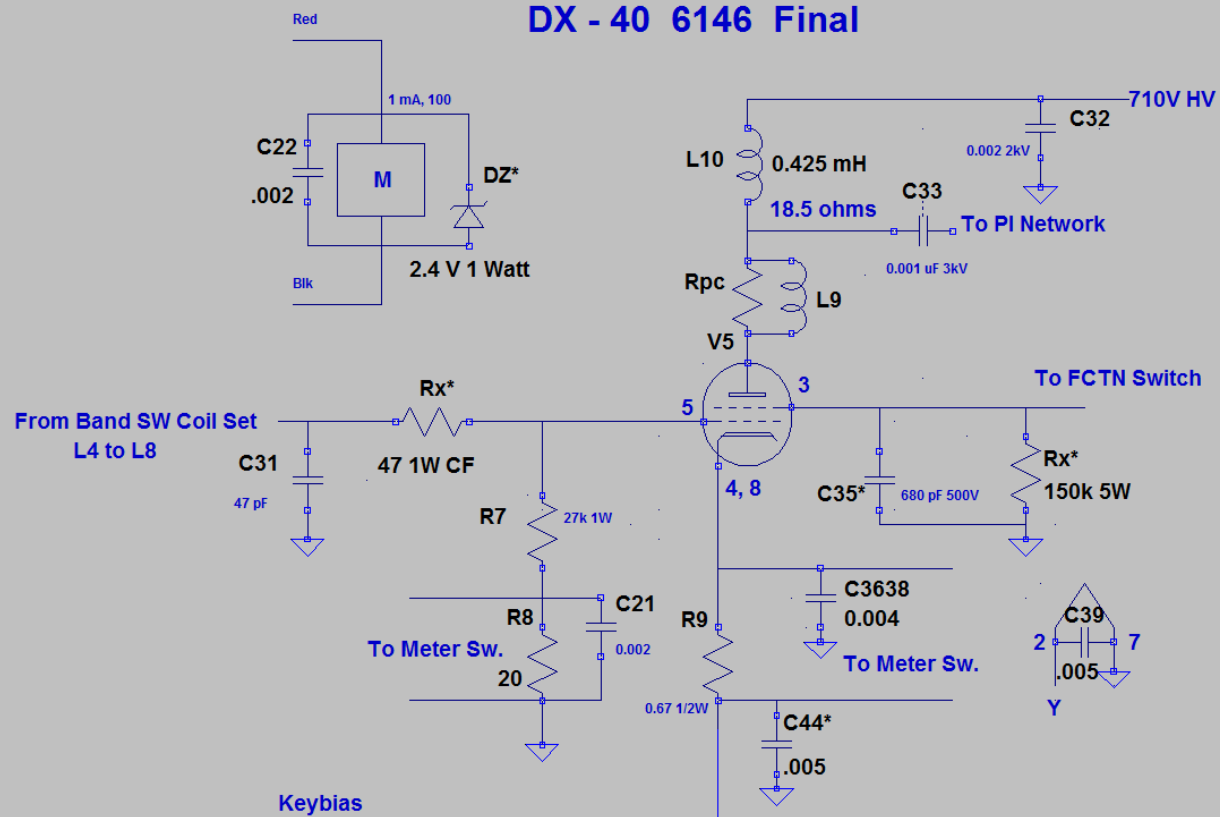
(Shield Removed)



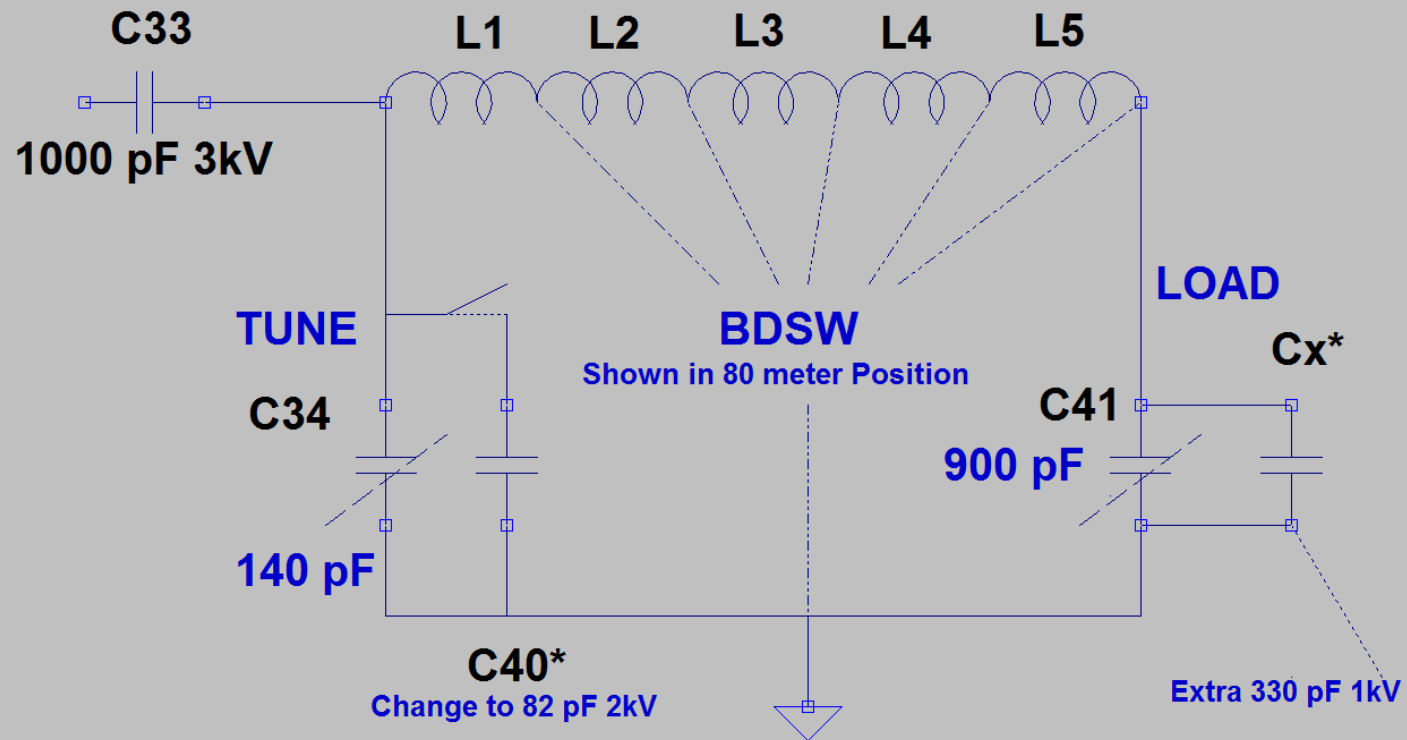
DX-40 OSC and Driver Buffer



DX - 40 6146 Final



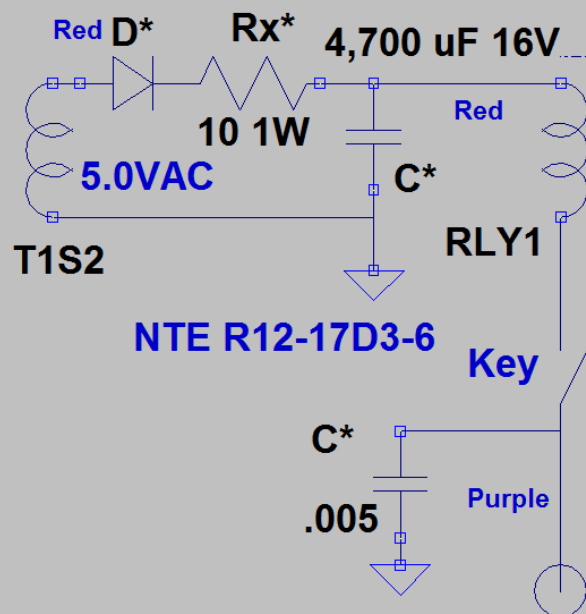
DX- 40 PI-Net



DX-40 Control Relay

From 530V filter

Schottky Diode NTE573 or Eqv.



To Modulator Plates

Red

For AM Operation Only

To Power Trans. CT

Red/Yellow

FOR AM ONLY

Yel.

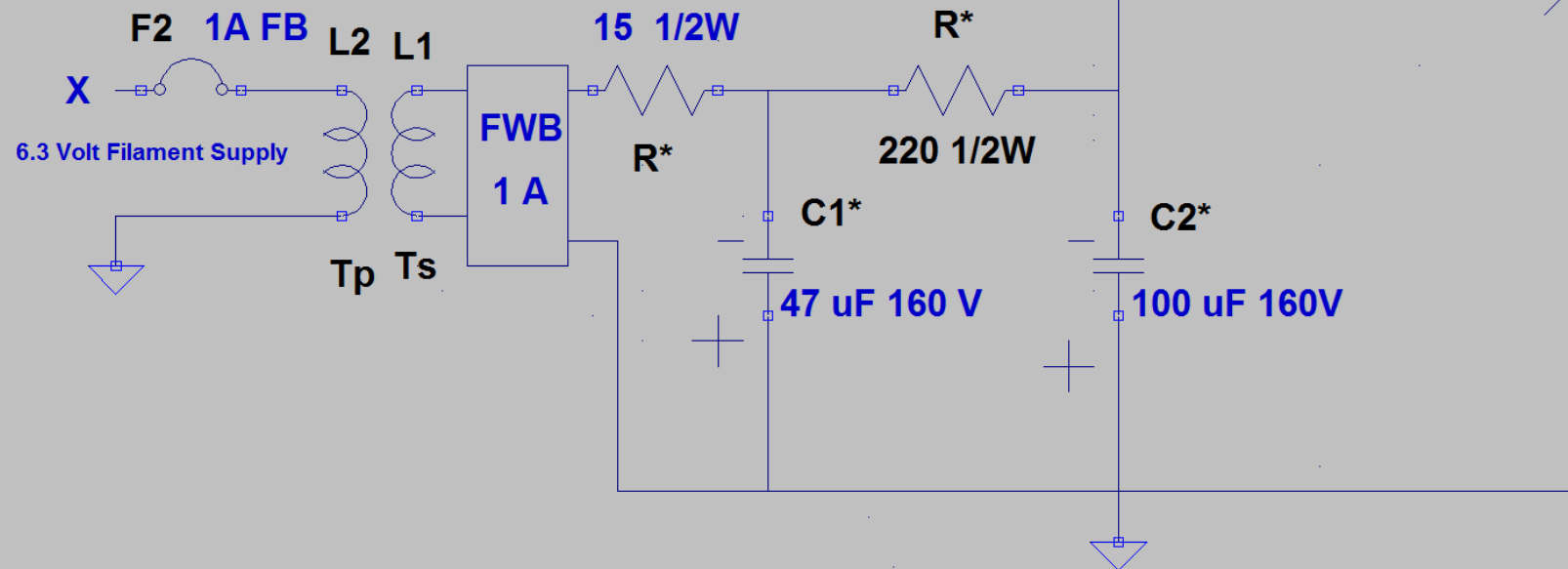
Grn

To Cathodes of 6CL6's and
Cathode Res. of 6146 and
Pin 4 of Accs. Plug

KeyBias

DX-40 Bias Supply

6.3 V to 110V Transformer Triad F-13X



Heathkit DX-40 Parts List

By Phillip Legate AC0OB

ARE@Reagan.com

Parts List

Power Supply:

- 4 - Rectifier Diodes, 1N5408, D1-D4
- 1 - Resistors, Rx, 100 Ohm, **10 W**
- 1 - Resistors, R1, 18k, 10W
- 1 - Resistors, R2, 22k, 10W
- 2 - Capacitors, 100 uF, 450V
- 1 - Capacitor, C49*, 0.005, 1kV
- 1 - Fuse and holder, 2.5 Amp SB

Voltage Dividers:

- 1 - Capacitor, 33 uF, 450V
- 1 - Capacitor, 10 uF, 450V
- 2 - Capacitors, 47 uF, 450V
- 1 - Resistor, 560, 5W
- 1 - Resistor, 10k, 1/2W
- 2 - Resistors, 220k, 2W
- 2 - Resistors, 47k, 3W in ||

12AX7 Speech Amp:

- 3 - Capacitors, 0.005 uF, 600V
- 2 - Capacitors, 0.01 uF, 500V
- 1 - Capacitor, 10 uF, 16V
- 1 - Capacitor, 1.0 uF, 16V
- 1 - Capacitor, 270 pF uF, 500V

- 1 - Capacitor, 100 pF uF, 500V
- 1 - Resistors, 270k, 1/4W
- 1 - Resistor, 27k, 1/4W
- 1 - Resistor, 1.0 M, 1/4W
- 1 - Resistor, 82k, 1/2W
- 1 - Resistor, 8.2k, 1/2W
- 1 - Resistor, 1k, 1/2W
- 1 - Resistor, 1.2k, 1/2W
- 1 - Resistor, 680k, 1/4W
- 1 - Resistor, Potentiometer, 1.0 M, 1/2W

Modulator:

- 1 - Resistor, 560k, 1/4W
- 1 - Resistor, 3.3k, 1/2W
- 1 - Resistor, 1k, 1/2W
- 1 - Resistor, 47k, 3W, MOFilm
- 1 - Resistor, 470k, 1/4W
- 1 - Resistor, 68k, 3W, MOFilm
- 1 - Capacitor, 100pF, 500V
- 1 - Capacitor, 0.01 uF, 1 kV

Osc., and Buffer-Driver:

- 1 - Capacitor, 47pF, 1kV
- 1 - Capacitor, 1000pF, 1kV
- 7 - Capacitors, 0.005 uF, 500V

6146 Final and Metering:

- 1 – Capacitor, 680 pF, 1kV
- 2 – Capacitor, 0.005 uF, 500V
- 1 – Resistor, 150k, 1W
- 1 - Resistor, 1k, 1/4W
- 1 – Diode, Zener, 2.4V, 1W

Pi Network:

- 1 - Capacitor, 330 pF, 1kV
- 1 - Capacitor, 82 pF, 3kV

Relay:

- 1 - Diode, **5A** Schottky ([NTE573](#)) or 6A10
- 1 - Capacitor, 4,700, 16 Volt
- 1 - Resistor, 10, 1W
- 1 - 6V, Relay, 4PDT, 5A, 6V Coil, **NTE R12–17D3–6** or P&B KHU 17D11 - 6V

Power Transformer:

Replacement Transformer – XWPR263 (Must be used in FWB configuration)
<https://www.edcorusa.com/xpwr263>