Linear sweep used in TRF boxes

LM324

Q2
2N2222,3904,4401--ect

L-Gain

47K

10K

10K

100K

+12

100K

10uf-47uf

c

d

a

L-Rate

47K

47K

47K

LM324-3

50K to 100K linear

100K

100K

100K

100K

10K

10K

Linear Sweep VCO

+12

Level

DC

+12

100K
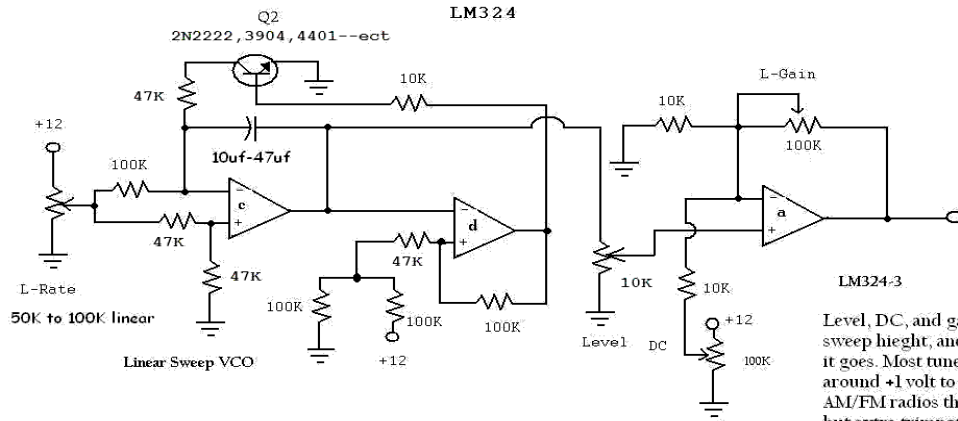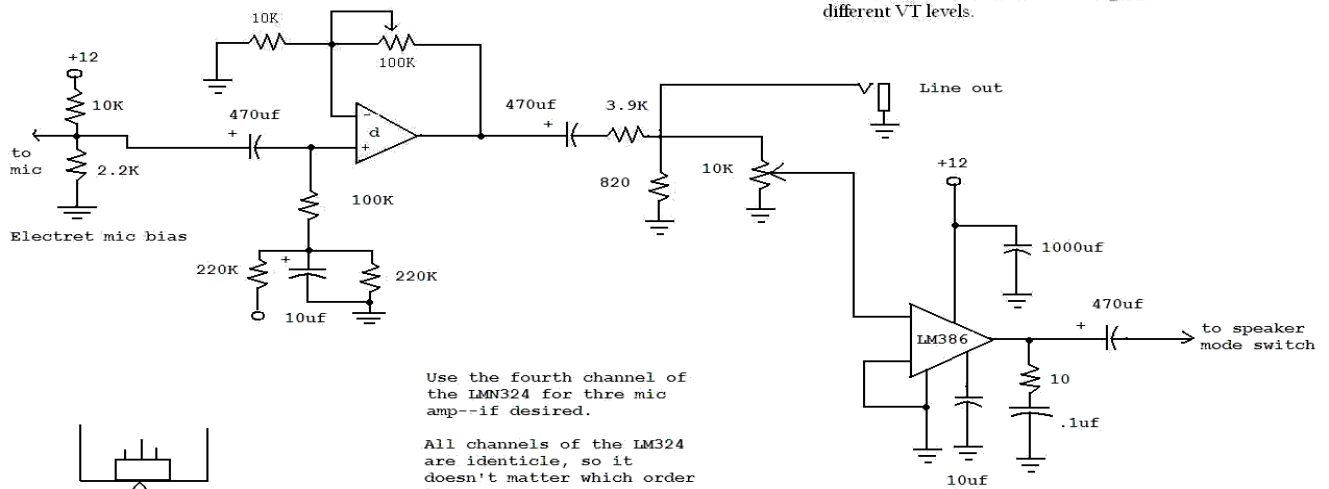
Level, DC, and gain all interact to set the
sweep hieght, and how close to zero volts
it goes. Most tuners need VT to go from
around +1 volt to 7.5 to 8 volts. Often in
AM/FM radios the ranges are differents,
but extra trimpots can be added and
switched in with the band switch to get the
different VT levels.

10K

+12

100K

10K

470uf

470uf

3.9K

Line out

d

to
mic

2.2K

100K

820

10K

+12

1000uf

Electret mic bias

220K

220K

470uf

10uf

to speaker
mode switch

LM386

10

Use the fourth channel of
the LMN324 for thre mic
amp--if desired.

.1uf

All channels of the LM324
are identicle, so it
doesn't matter which order
they are used.

10uf

2009