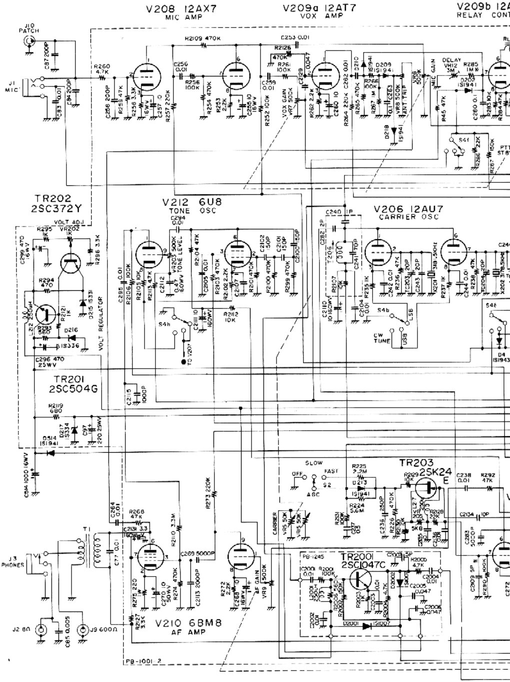
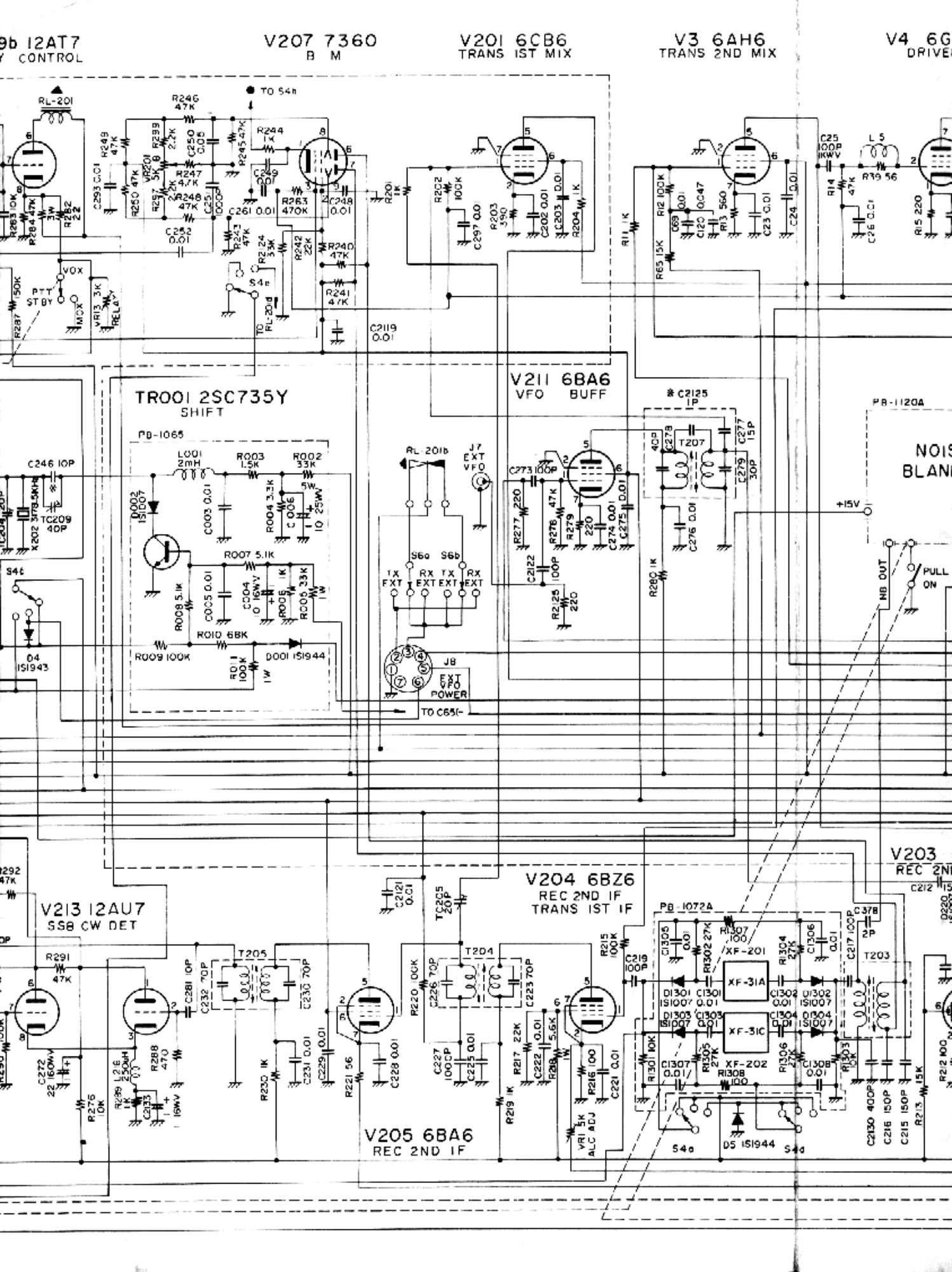
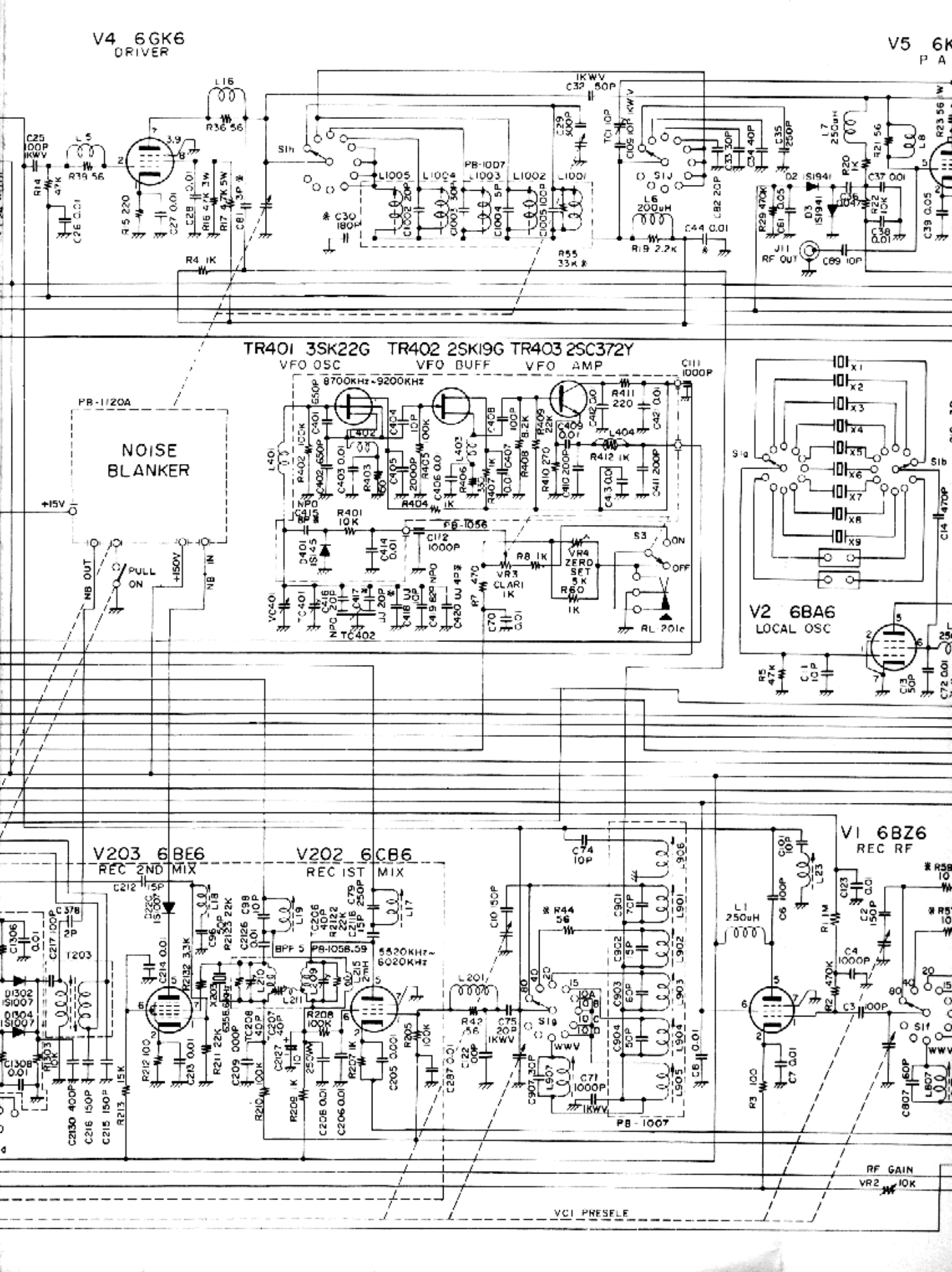
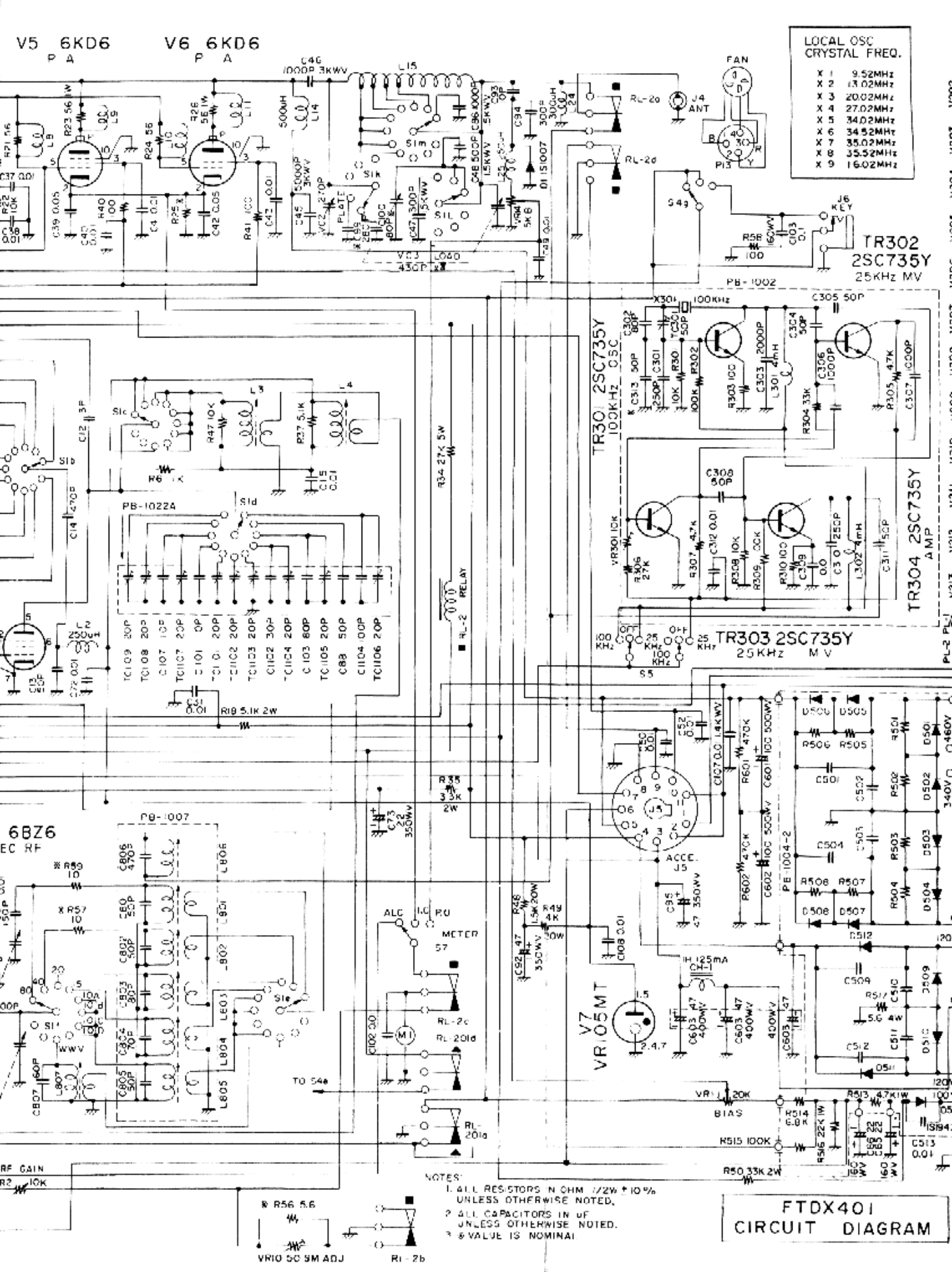
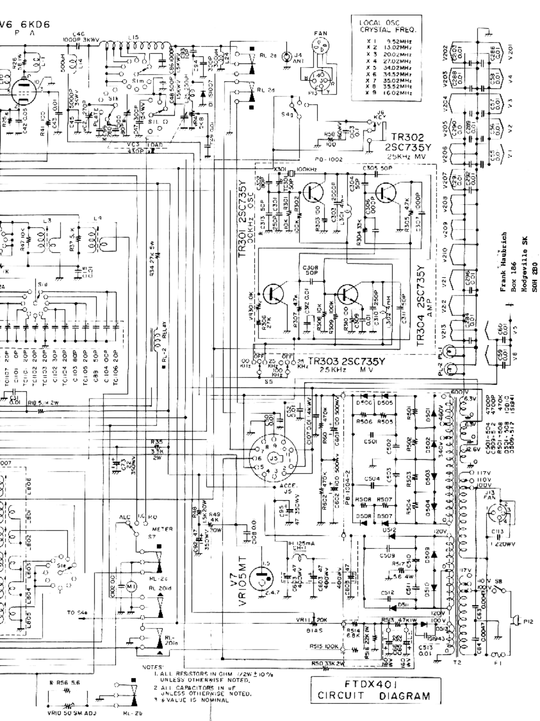

V208 12AX7
MIC AMP
V209a 12AT7
VOX AMP
V209b 12A
RELAY CONT
J10 PATCH
J1 MIC
VOX GAIN VR7 500K
ANT TRIP
DELAY VR12 3M
MIC GAIN
TR202
2SC372Y
VOLT ADJ
VOLT REGULATOR
V212 6U8
TONE OSC
TONE LEVEL
TO V207
V206 12AU7
CARRIER OSC
CW TUNE
LSB
USB
TR201
2SC504G
SLOW
FAST
OFF
AGC
TR203
2SK24
CARRIER
J3 PHONES
V210 6BM8
AF AMP
AF GAIN
PB-1245
TR2001
2SC1047C
J2 8Ω
J9 600Ω
PB-1001-2


9b 12AT7
Y CONTROL
V207 7360
B M
V201 6CB6
TRANS IST MIX
V3 6AH6
TRANS 2ND MIX
V4 6G
DRIVE
RL-201
TO 54h
R246 47K
R249 47K
R239 2.2K
C250 0.05
R244 47K
R245 47K
VR201 5K B
R247 4.7K
R250 47K
R257 2.2K
R248 47K
C251 0.05
C261 0.01
C262 0.01
R263 470K
C248 0.01
R201 1K
R202 100K
C297 0.0
R203 390
C202 0.01
C203 0.01
R204 1K
R11 1K
R12 100K
C69 0.01
C120 0.047
R13 560
C23 0.01
C24 0.01
C25 100P 1KWV
L5
R39 56
R14 47K
C26 0.01
R15 220
R65 15K
R283 10K
R284 47K 3W
R282 22
R243 47K
R242 22K
R2.24 3.3K
R240 47K
R241 47K
S4e
VOX
PTT
ST BY
MOX
VR13 3K
RELAY
R287 150K
TO RL-20d
C2119 0.01
TR001 2SC735Y
SHIFT
PB-1065
L001 2mH
R003 1.5K
R002 33K 5W
D002 1S1007
C003 0.01
R004 3.3K
C006 10 25WV
R007 5.1K
C004 10 16WV
R005 1K
R006 33K 1W
R008 5.1K
C005 0.01
R009 100K
R010 68K
R011 100K 1W
D001 1S1944
C246 10P
X202 3579.5KHz
TC209 40P
S4f
D4 1S1943
RL-201b
J7 EXT VFO
S6a S6b
TX EXT RX EXT TX EXT RX EXT
J8 EXT 13.8 POWER
TO C65(-
V211 6BA6
VFO BUFF
C273 100P
R277 220
R278 47K
R279 220
C274 0.01
C275 0.01
C2122 100P
R2125 220
*C2125 1P
40P
C278
T207
C277 15P
C279 30P
C276 0.01
R280 1K
+15V
PB-1120A
NOIS
BLANI
NB OUT
PULL ON
V213 12AU7
SSB CW DET
R291 47K
T205
C232 70P
C230 70P
C281 10P
C272 22 160WV
R288 470
R289 1.2K 250mH
1K
C233 1 16WV
R276 10K
R230 1K
C231 0.01
C229 0.01
R221 56
C228 0.01
C2121 0.01
TC205 20P
V204 6BZ6
REC 2ND IF
TRANS IST IF
T204
R220 100K
C226 70P
C223 70P
C227 100P
C225 0.01
R217 22K
C222 0.01
R218 5.6K 1W
R219 1K
R216 100
C221 0.01
VR1 5K ALC ADJ
V205 6BA6
REC 2ND IF
R215 100K
C219 100P
PB-1072A
C1305 0.01
R1307 100
XF-201
R1302 27K
R1304 27K
C1306 0.01
C217 100P
C378 2P
T203
XF-31A
C1301 0.01
C1302 0.01
D1301 1S1007
D1302 1S1007
D1303 1S1007
C1303 0.01
XF-31C
C1304 0.01
D1304 1S1007
R1301 10K
R1305 27K
XF-202
R1308 100
R1306 27K
C1307 0.01
C1308 0.01
R1303 10K
S4a
D5 1S1944
S4d
C2130 400P
C216 150P
C215 150P
R213 15K
V203
REC 2NI
C212 15
0220
R212 100


V4 6GK6
DRIVER
V5 6K
P A
TR401 3SK22G TR402 2SK19G TR403 2SC372Y
VFO OSC
VFO BUFF
VFO AMP
8700KHz-9200KHz
PB-1120A
NOISE
BLANKER
+15V
NB OUT
PULL
ON
+15V
NB IN
PB-1056
VR4
ZERO
SET
5K
VR3
CLARI
1K
S3
ON
OFF
RL 20Ic
V2 6BA6
LOCAL OSC
V203 6BE6
REC 2ND MIX
V202 6CB6
REC IST MIX
BPF 5 PB-1058.59
5520KHz~
6020KHz
PB-1007
V1 6BZ6
REC RF
RF GAIN
VR2 10K
VC1 PRESELE


V5 6KD6
P A
V6 6KD6
P A
LOCAL OSC
CRYSTAL FREQ.
X 1 9.52MHz
X 2 13.02MHz
X 3 20.02MHz
X 4 27.02MHz
X 5 34.02MHz
X 6 34.52MHz
X 7 35.02MHz
X 8 35.52MHz
X 9 16.02MHz
FAN
J4 ANT
J6 KEY
TR302 2SC735Y
25KHz MV
PB-1002
TR301 2SC735Y
100KHz OSC
TR304 2SC735Y
AMP
TR303 2SC735Y
25KHz MV
PB-10224
PB-1007
PB-1004-2
6BZ6
V7
VR105MT
ACCE.
J5
METER
BIAS
RF GAIN
TO 54a
RL-2
RELAY
NOTES:
1. ALL RESISTORS IN OHM 1/2W ±10% UNLESS OTHERWISE NOTED.
2. ALL CAPACITORS IN uF UNLESS OTHERWISE NOTED.
3. ※ VALUE IS NOMINAL
FTDX401
CIRCUIT DIAGRAM


V6 6KD6
LOCAL OSC CRYSTAL FREQ.
X 1 9.52MHz
X 2 13.02MHz
X 3 20.02MHz
X 4 27.02MHz
X 5 34.02MHz
X 6 34.52MHz
X 7 35.02MHz
X 8 35.52MHz
X 9 16.02MHz
FAN
J4 ANT
J6 KEY
TR302 2SC735Y 25KHz MV
PB-1002
TR301 2SC735Y 100KHz OSC
TR304 2SC735Y AMP
TR303 2SC735Y 25KHz MV
S5
V7 VR105MT
METER S7
ACCE. J5
PB-1004-2
BIAS
T2
F1
P12
J13 FAN
TO S4a
Frank Haubrich
Box 186
Hodgeville SK
S0H 2B0
NOTES:
1. ALL RESISTORS IN OHM 1/2W ± 10%
UNLESS OTHERWISE NOTED.
2. ALL CAPACITORS IN uF
UNLESS OTHERWISE NOTED.
3. * VALUE IS NOMINAL
VR10 50 SM ADJ
RL-2b
FTDX401
CIRCUIT DIAGRAM