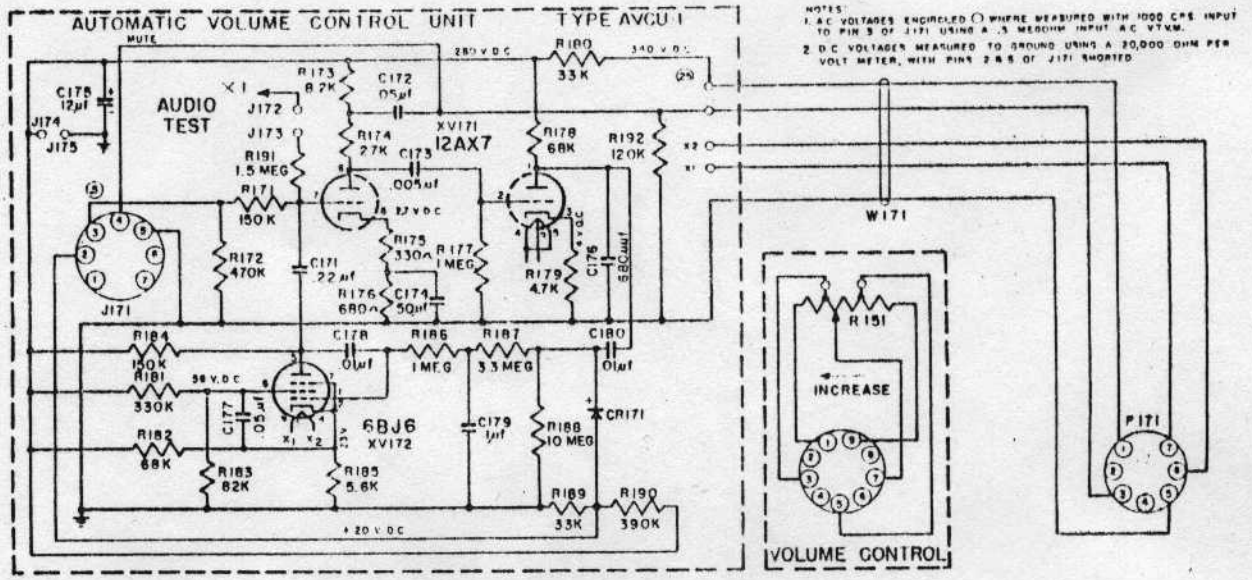
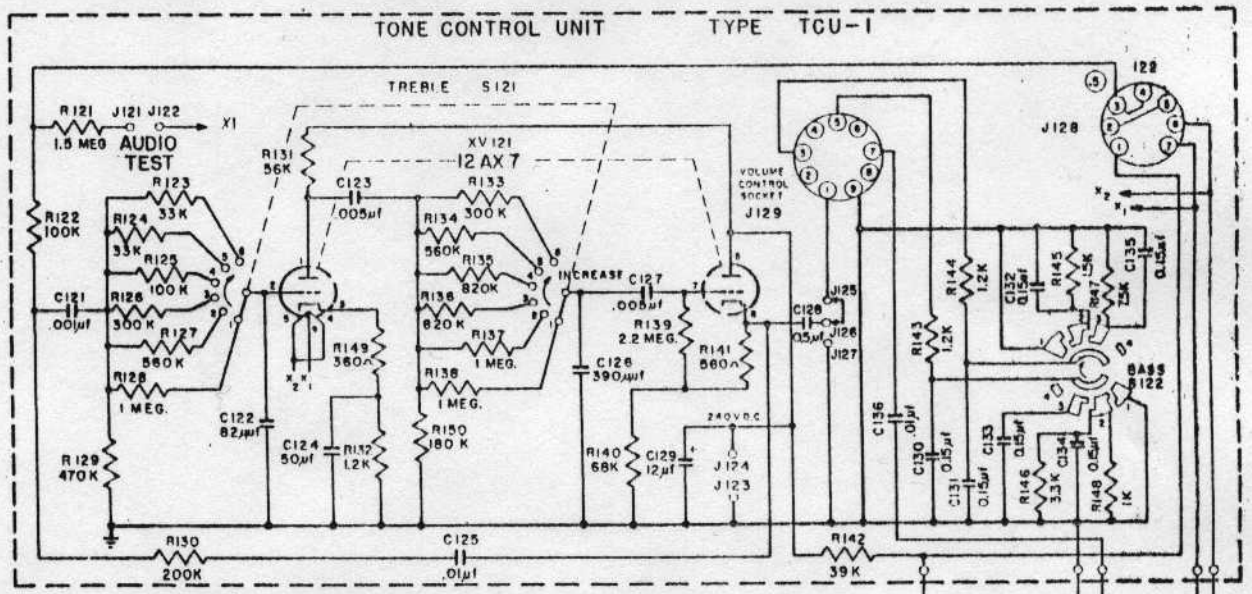
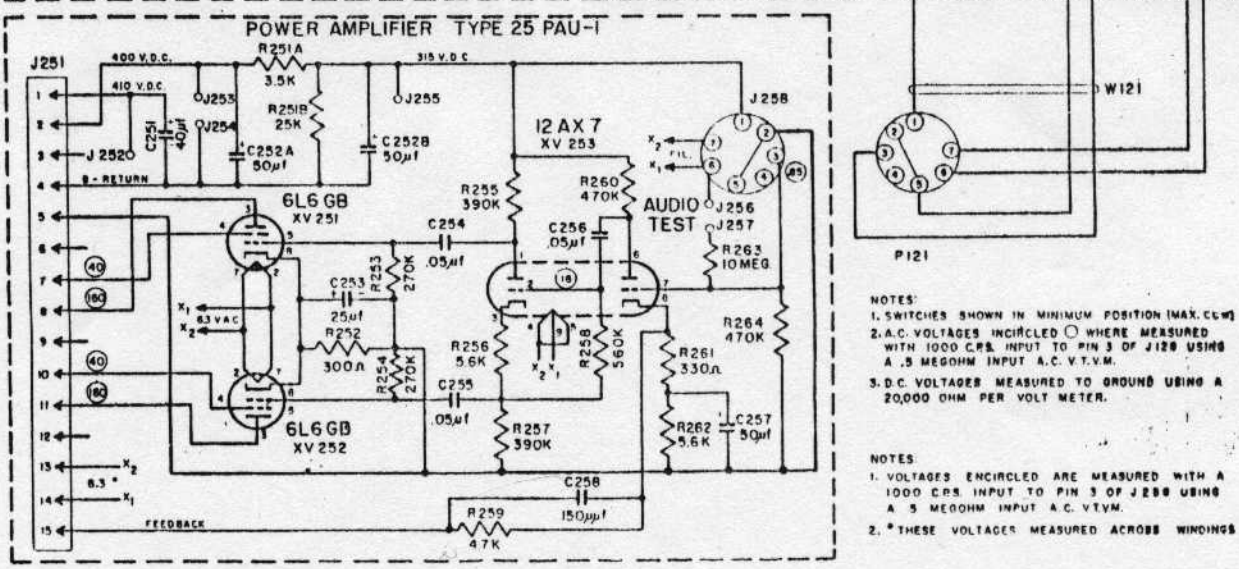

AUTOMATIC VOLUME CONTROL UNIT
TYPE AVCU-1
NOTES:
1. A.C. VOLTAGES ENCIRCLED ○ WHERE MEASURED WITH 1000 C.P.S. INPUT TO PIN 3 OF J171 USING A .5 MEGOHM INPUT A.C. V.T.V.M.
2. D.C. VOLTAGES MEASURED TO GROUND USING A 20,000 OHM PER VOLT METER, WITH PINS 2 & 5 OF J171 SHORTED
MUTE
AUDIO TEST
J172
J173
J174
J175
J171
C175 12µf
R173 8.2K
C172 .05µf
280 V.D.C.
R180 33K
340 V.D.C.
XV171 12AX7
R174 27K
C173 .005µf
R178 68K
R192 120K
R191 1.5 MEG
R171 150K
R172 470K
C171 .22µf
R175 330Ω
R177 1 MEG.
R176 680Ω
C174 50µf
R179 4.7K
C176 580µf
W171
R184 150K
R181 330K
C178 .01µf
R186 1 MEG
R187 3.3 MEG
C180 .01µf
58 V.D.C.
C177 .05µf
6BJ6 XV172
C179 1µf
R188 10 MEG
CR171
R182 68K
R183 82K
R185 5.6K
R189 33K
R190 390K
+20 V.D.C.
R151
INCREASE
P171
VOLUME CONTROL


TONE CONTROL UNIT
TYPE TCU-1
TREBLE S121
R121 1.5 MEG
J121 J122
AUDIO TEST
X1
XV121 12 AX 7
R131 56K
C123 .005µf
R133
R123 33K
R122 100K
R124 33K
R134 300 K
560K
R125 100 K
R135
C121 .001µf
R126 300 K
R136 820K
INCREASE
C127 .005µf
R127 560 K
820 K
R137 1 MEG.
R139 2.2 MEG.
R128 1 MEG.
R149 360Ω
R138 1 MEG.
C126 390µµf
R141 560Ω
C122 82µµf
C124 50µf
R132 1.2K
R150 180 K
R140 68K
C129 12µf
240 V.D.C.
J124
J123
R129 470K
R130 200K
C125 .01µf
R142 39K
VOLUME CONTROL SOCKET
J129
J125
C128 .05µf
J126
J127
R143 1.2K
R144 1.2K
C136 .01µf
C130 .01µf
C131 .015µf
C133 .015µf
C134 .015µf
R146 3.3K
R148 1K
J128
122
C132 .015µf
R145 1.5K
R147 2.2K
C135 .015µf
BASS S122


POWER AMPLIFIER TYPE 25 PAU-1
J251
400 V.D.C.
410 V.D.C.
R251A 3.5K
315 V.D.C.
J253
J254
J255
R251B 25K
C251 40µf
C252A 50µf
C252B 50µf
J 252Ω
B - RETURN
6L6 GB XV 251
12 AX 7 XV 253
J258
R255 390K
R260 470K
AUDIO TEST
J256
J257
C254 .05µf
C256 .05µf
R263 10 MEG.
C253 25µf
R253 270K
63 V.A.C.
R252 300Ω
R254 270K
R256 5.6K
R258 560K
R261 330Ω
R264 470K
C255 .05µf
6L6 GB XV 252
R257 390K
R262 5.6K
C257 50µf
C258 150µµf
R259 4.7K
FEEDBACK
W121
P121
NOTES:
1. SWITCHES SHOWN IN MINIMUM POSITION (MAX. CCW)
2. A.C. VOLTAGES INCIRCLED ○ WHERE MEASURED WITH 1000 C.P.S. INPUT TO PIN 3 OF J128 USING A .5 MEGOHM INPUT A.C. V.T.V.M.
3. D.C. VOLTAGES MEASURED TO GROUND USING A 20,000 OHM PER VOLT METER.
NOTES:
1. VOLTAGES ENCIRCLED ARE MEASURED WITH A 1000 C.P.S. INPUT TO PIN 3 OF J258 USING A .5 MEGOHM INPUT A.C. V.T.V.M.
2. * THESE VOLTAGES MEASURED ACROSS WINDINGS