+225V
R203 3K
R205 15K
A
R204 1.6K
SEE INTERCONNECTING SOCKET WIRING DIAGRAM
INPUT AMPLIFIER
V204 12BY7
L204 9-19μh
L205 1.8μh
+151V +137V
FIRST C.F.
V233B ½6DJ8
+350V
R228 5.6K
R227 47
R226 150K
TO C262B
+152V +138V
R231 18K
R201 47
+66V +67V
R200 10M
+100V (DECOUPLED) TO R738 (SEE HEATER WRG. DIAG.)
R212 100K
R208 3.3K
GAIN ADJ.
R213 500
TO A
R207 6K
R209 3.3K
R214 100K
-150V
+100V
R202 100
C202 .01
R234 18K
TO C262A
+67V +66V
R220 10M
R221 47
V224 12BY7 INPUT AMPLIFIER
R236 150K
+138V +152V
C214 .001
R237 47
L224 9-19μh
L225 1.8μh
+137V +151V
V243A ½6DJ8 FIRST C.F.
R224 1.6K
L223 3.6-8.3μh
R223 56
TO A
+350V
R241 3K
SECOND C.F.
V233A ½6DJ8
R240 47
+154V +140V
R243 5.6K
R244 3K
R245 5.6K
+140V +154V
R247 47
V243B ½6DJ8 SECOND C.F.
R249 DELETED S/N 615 UP
+325V
NOTE:— C253 IS GANGED WITH C352. (SEE VERTICAL AMPLIFIER SCHEMATIC). C253 IS FULLY OPEN WHEN C352 IS FULLY CLOSED.
L249 3.2μh
L250 7-11.5μh
R250 1.25K
OUTPUT AMPLIFIER
V254 6360
R252 10
+190V +300V
TO CRT RIGHT DEFLECTION PLATE.
L242 .18μh
L243 .75μh
L251 .75μh
R251 10
PHASING
C252 DELETED S/N 615 UP
C253 2.7-10.8
C254 .5-5
+350V
R259 2K
R253 333
+100V
L244 .18μh
L245 .75μh
L254 .75μh
R254 10
V264 6360 OUTPUT AMPLIFIER
R257 10
R256 1.25
L256 7-11.5μh
L255 3.2μh
+350V
BEAM-POSITION-INDICATOR CENTERING
R275 2M
R276 4.7M
+100V (DECOUPLED)
R272 1M
R273 1M
R274 1.2M
C276 .01
INDICATOR AMPLIFIER V274A ½6DJ8
+100V
R298 100
C298 .01
+100V (DECOUPLED)
HORIZ. SIG. OUT C.F.
V274B ½6DJ8
R290 680K
C290 4.7
R297 100
C292 .5-5
R294 39K
R296 330K
R295 20K
HOR. SIG. OUT DC LEVEL ADJ.
-150V
HORIZ. SIG. OUT
R299 22K
-150V
R262 82K
TO R236
C262A 10μf
HOR. DC SHIFT COMP.
R263 1M
C262B 10μf
TO R226
R264 82K
TO CRT LEFT DEFLECTION PLATE
+300V +190V
HORIZONTAL BEAM POSITION INDICATORS
+350V
+225V
R279 68K
B279
+350V
B285
R285 47K
R286 270K
+225V
+225V
R281 15K
R282 27K
+100V (DECOUPLED)
R.O.W. 7-27-61

VOLTAGE READINGS WERE OBTAINED WITH CONTROLS SET AS FOLLOWS:

PLUG-IN ..... TYPE K
INPUT SIGNAL ..... NONE
HORIZONTAL POSITION:
FOR LOWER VOLTAGE READINGS .. FULL RIGHT
FOR UPPER VOLTAGE READINGS .... FULL LEFT

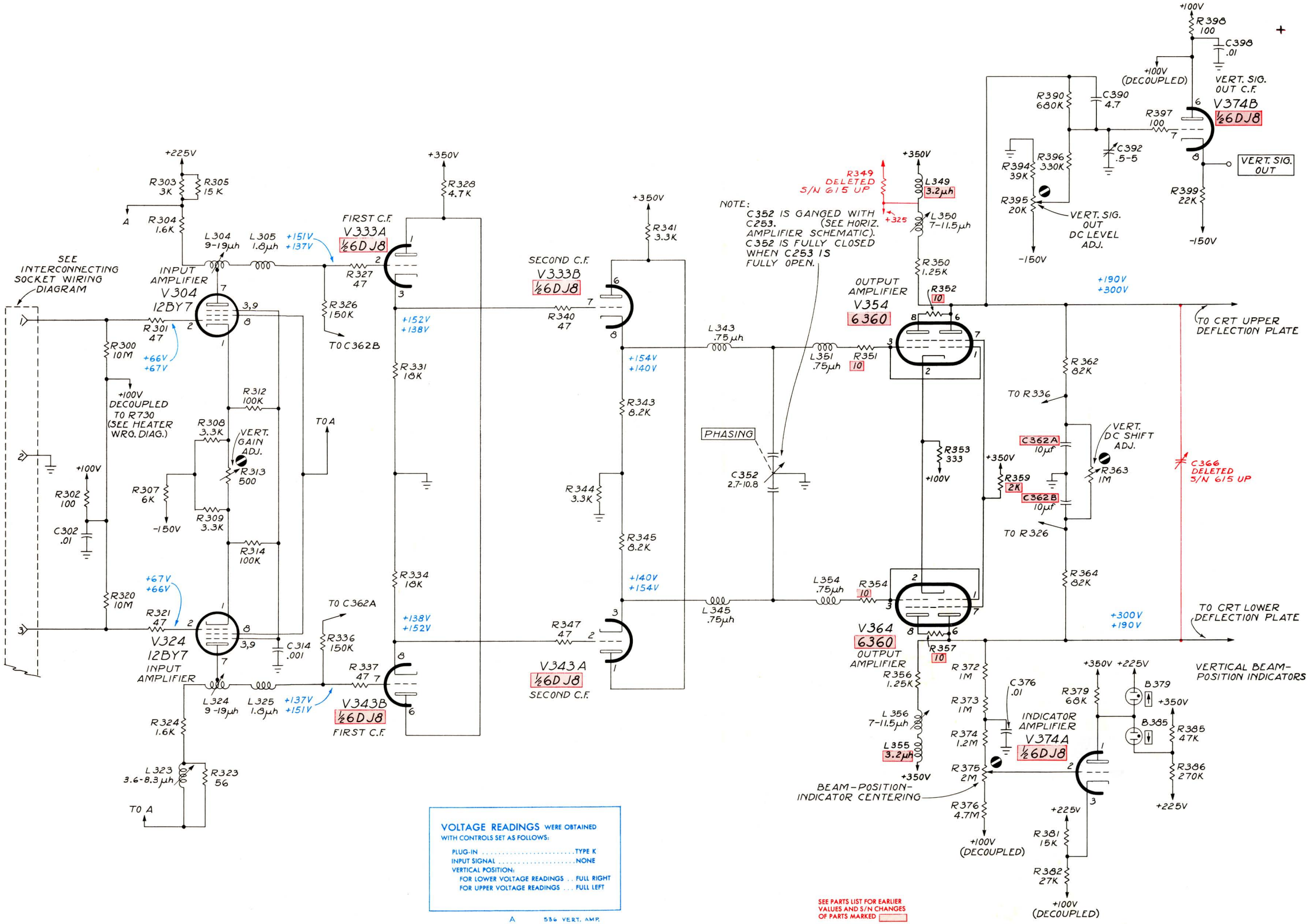
A 536 HORIZ. AMP.

SEE PARTS LIST FOR EARLIER VALUES AND S/N CHANGES OF PARTS MARKED WITH RED TINT BLOCKS

+ TYPE 536 OSCILLOSCOPE

AB2

HORIZONTAL AMPLIFIER



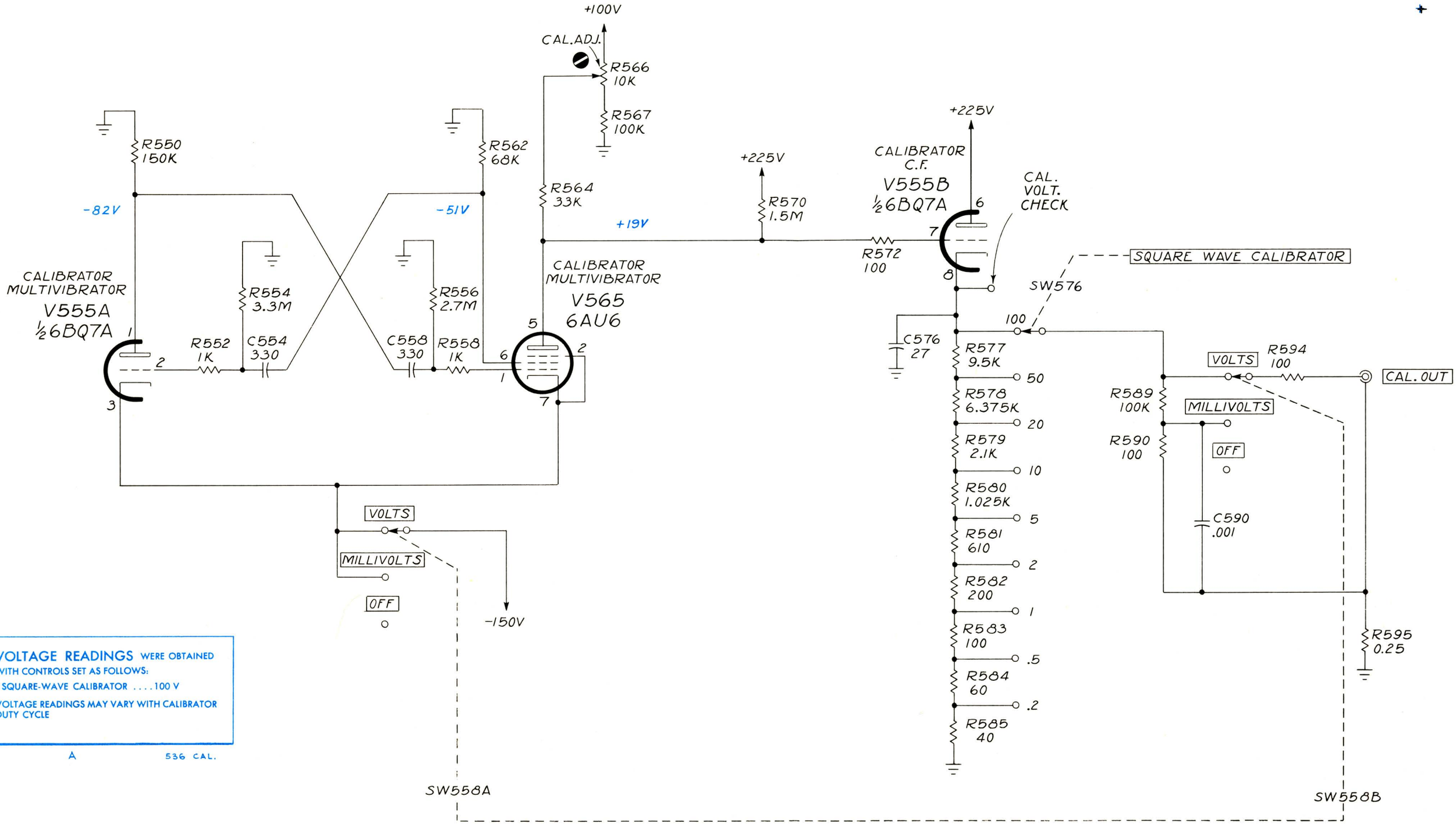
VOLTAGE READINGS WERE OBTAINED WITH CONTROLS SET AS FOLLOWS:

PLUG-IN	TYPE K
INPUT SIGNAL	NONE
VERTICAL POSITION:	
FOR LOWER VOLTAGE READINGS	FULL RIGHT
FOR UPPER VOLTAGE READINGS	FULL LEFT

A 536 VERT. AMP.

SEE PARTS LIST FOR EARLIER VALUES AND S/N CHANGES OF PARTS MARKED ▭

7-27-61
R.O.W.

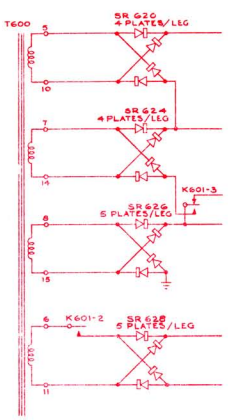


VOLTAGE READINGS WERE OBTAINED WITH CONTROLS SET AS FOLLOWS:

SQUARE-WAVE CALIBRATOR .... 100 V

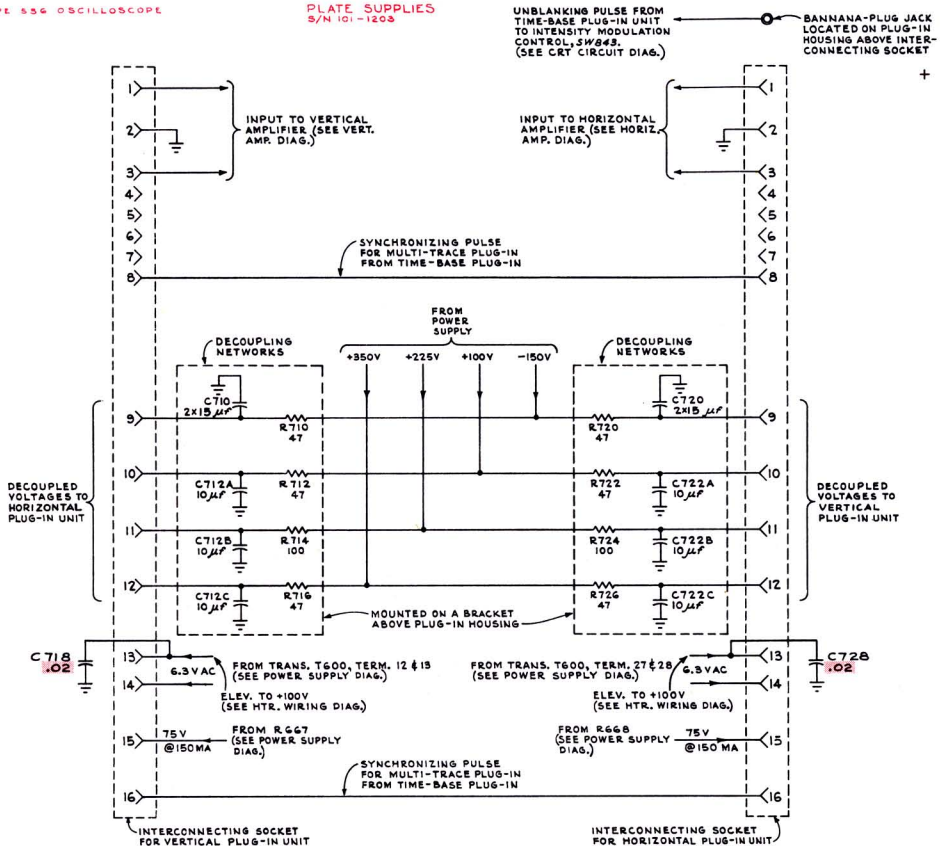
VOLTAGE READINGS MAY VARY WITH CALIBRATOR DUTY CYCLE

A 536 CAL.

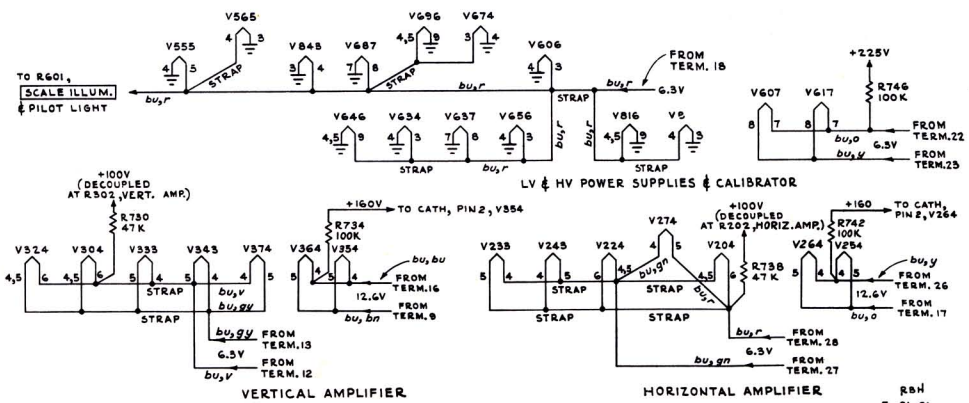


TYPE 536 OSCILLOSCOPE

PLATE SUPPLIES
S/N 101-1203

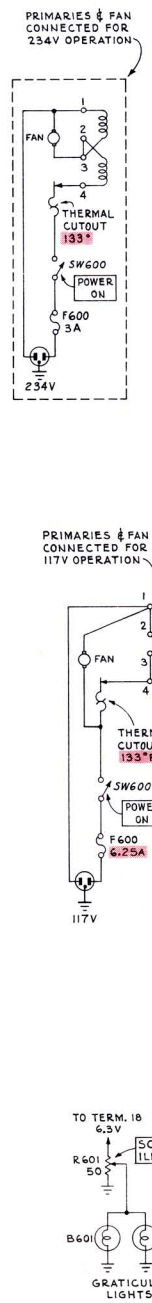


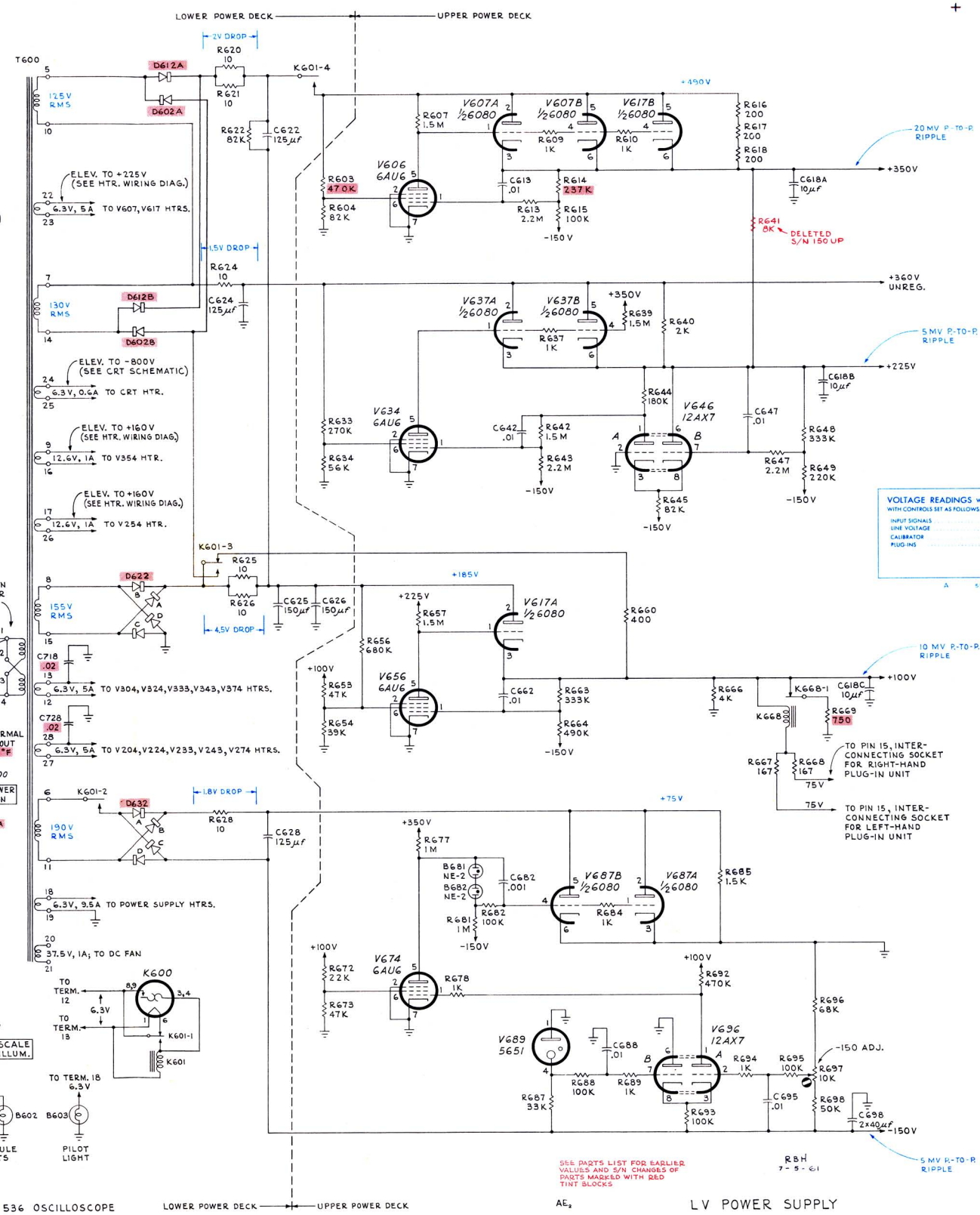
INTERCONNECTING SOCKET WIRING DIAGRAM



HEATER WIRING DIAGRAM

+ TYPE 536 OSCILLOSCOPE

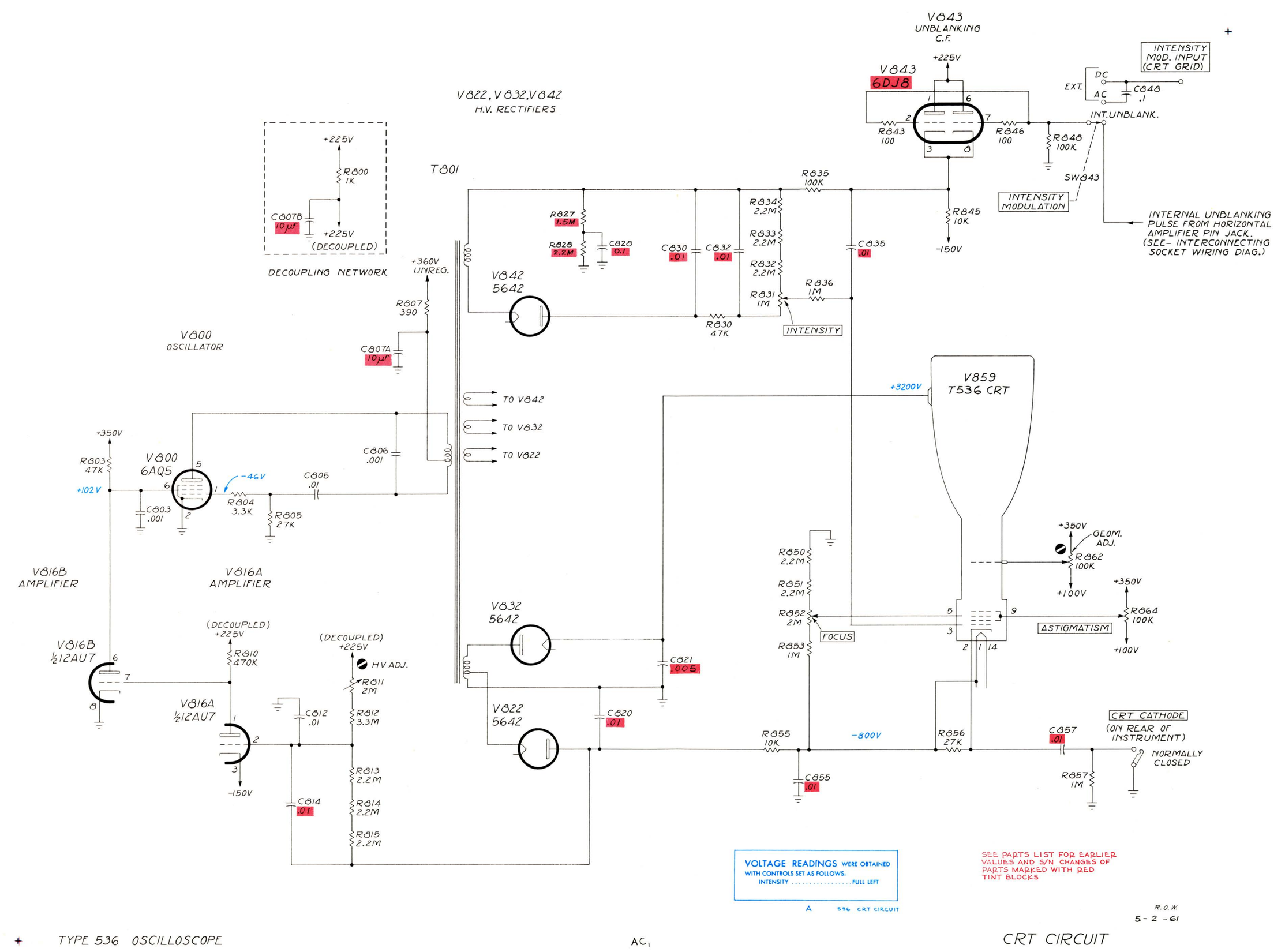




LV POWER SUPPLY

+ TYPE 536 OSCILLOSCOPE

LOWER POWER DECK — UPPER POWER DECK


V843
UNBLANKING
C.F.
+225V
V843
6DJ8
INTENSITY
MOD. INPUT
(CRT GRID)
EXT.
DC
AC
C848
.1
INT. UNBLANK.
R843
100
R846
100
R848
100K
SW843
INTENSITY
MODULATION
INTERNAL UNBLANKING
PULSE FROM HORIZONTAL
AMPLIFIER PIN JACK.
(SEE- INTERCONNECTING
SOCKET WIRING DIAG.)
V822, V832, V842
H.V. RECTIFIERS
T801
+225V
R800
1K
C807B
10μf
+225V
(DECOUPLED)
DECOUPLING NETWORK
R835
100K
R834
2.2M
R833
2.2M
R832
2.2M
R831
1M
R836
1M
R845
10K
-150V
R827
1.5M
R828
2.2M
C828
.1
C830
.01
C832
.01
C835
.01
R830
47K
INTENSITY
V842
5642
+360V
UNREG.
R807
390
C807A
10μf
V800
OSCILLATOR
TO V842
TO V832
TO V822
+350V
R803
47K
+102V
V800
6AQ5
-46V
C806
.001
C805
.01
R804
3.3K
R805
27K
C803
.001
V816B
AMPLIFIER
V816A
AMPLIFIER
V859
T536 CRT
+3200V
+350V
GEOM.
ADJ.
R862
100K
+100V
+350V
R864
100K
+100V
ASTIGMATISM
R850
2.2M
R851
2.2M
R852
2M
R853
1M
FOCUS
V832
5642
C821
.005
V822
5642
C820
.01
(DECOUPLED)
+225V
R810
470K
V816B
½12AU7
(DECOUPLED)
+225V
HV ADJ.
R811
2M
R812
3.3M
V816A
½12AU7
C812
.01
R813
2.2M
R814
2.2M
R815
2.2M
C814
.01
-150V
R855
10K
-800V
R856
27K
C857
.01
R857
1M
C855
.01
CRT CATHODE
(ON REAR OF
INSTRUMENT)
NORMALLY
CLOSED
VOLTAGE READINGS WERE OBTAINED
WITH CONTROLS SET AS FOLLOWS:
INTENSITY ..... FULL LEFT
A 536 CRT CIRCUIT
SEE PARTS LIST FOR EARLIER
VALUES AND S/N CHANGES OF
PARTS MARKED WITH RED
TINT BLOCKS
R. O. W.
5 - 2 - 61
TYPE 536 OSCILLOSCOPE
AC1
CRT CIRCUIT