

PARTS LIST *and* SCHEMATIC DIAGRAMS

for TEKTRONIX
INSTRUMENT

TYPE
535A

ABBREVIATIONS

Cer.	Ceramic
Comp.	Composition
EMC	Electrolytic, metal cased
f	Farad
GMV	Guaranteed minimum value
h	Henry
k	Kilohm or 10^3 ohms
M/Cer.	Mica or Ceramic
meg	Megohm or 10^6 ohms
μ	Micro. or 10^{-6}
$\mu\mu$	Micromicro or 10^{-12}
m	milli or 10^{-3}
Ω	ohm
PTB	Paper, "Bathtub"
PMC	Paper, metal cased
Poly.	Polystyrene
Prec.	Precision
PT	Paper Tubular
v	Working volts DC
Var.	Variable
w	Watt
WW	Wire-wound

SPECIAL NOTES AND SYMBOLS

+ and up

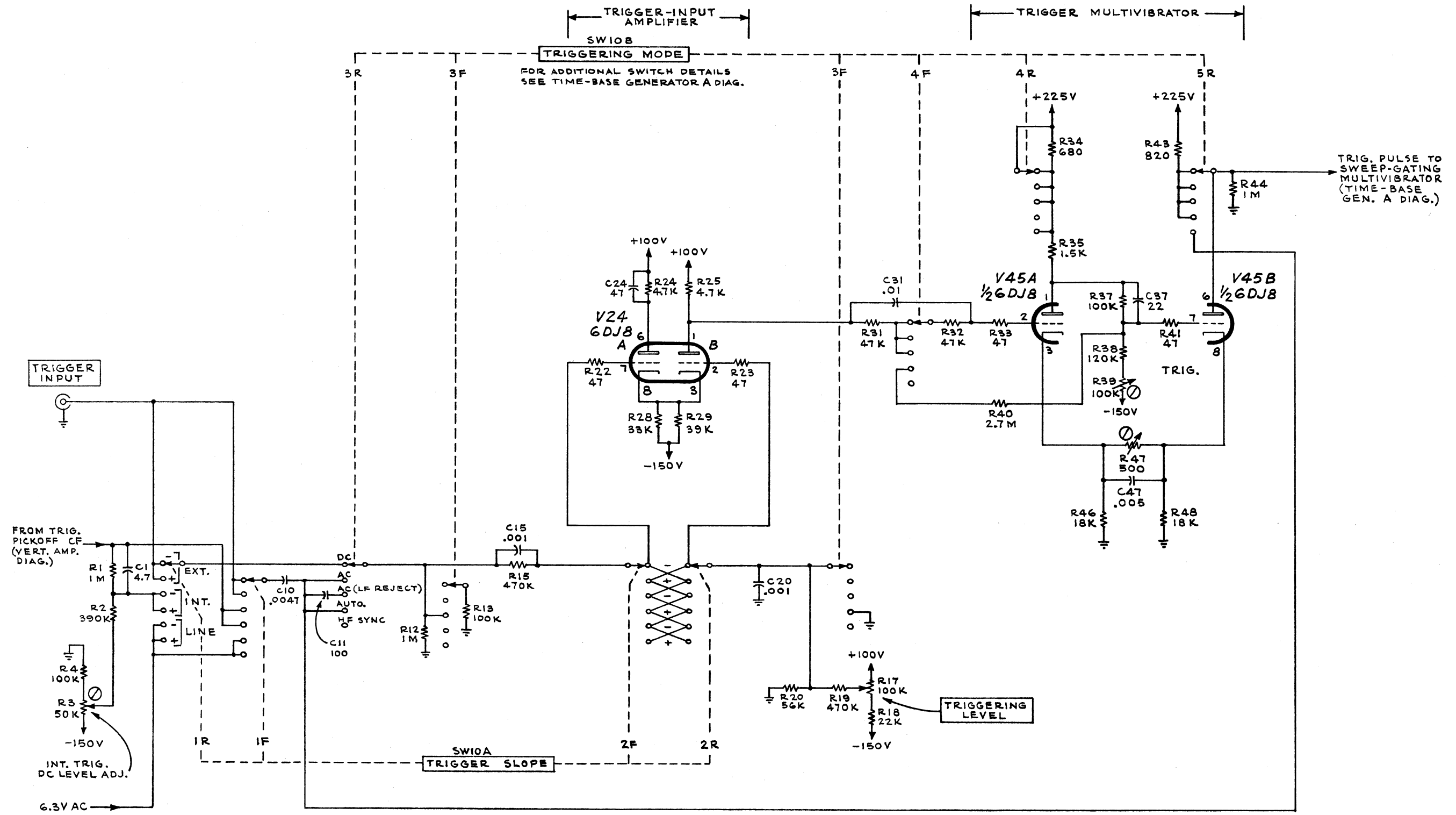
† Approximate serial number.

X000 Part first added at this serial number.

000X Part removed after this serial number.

(Mod. w/) Simple replacement not recommended.

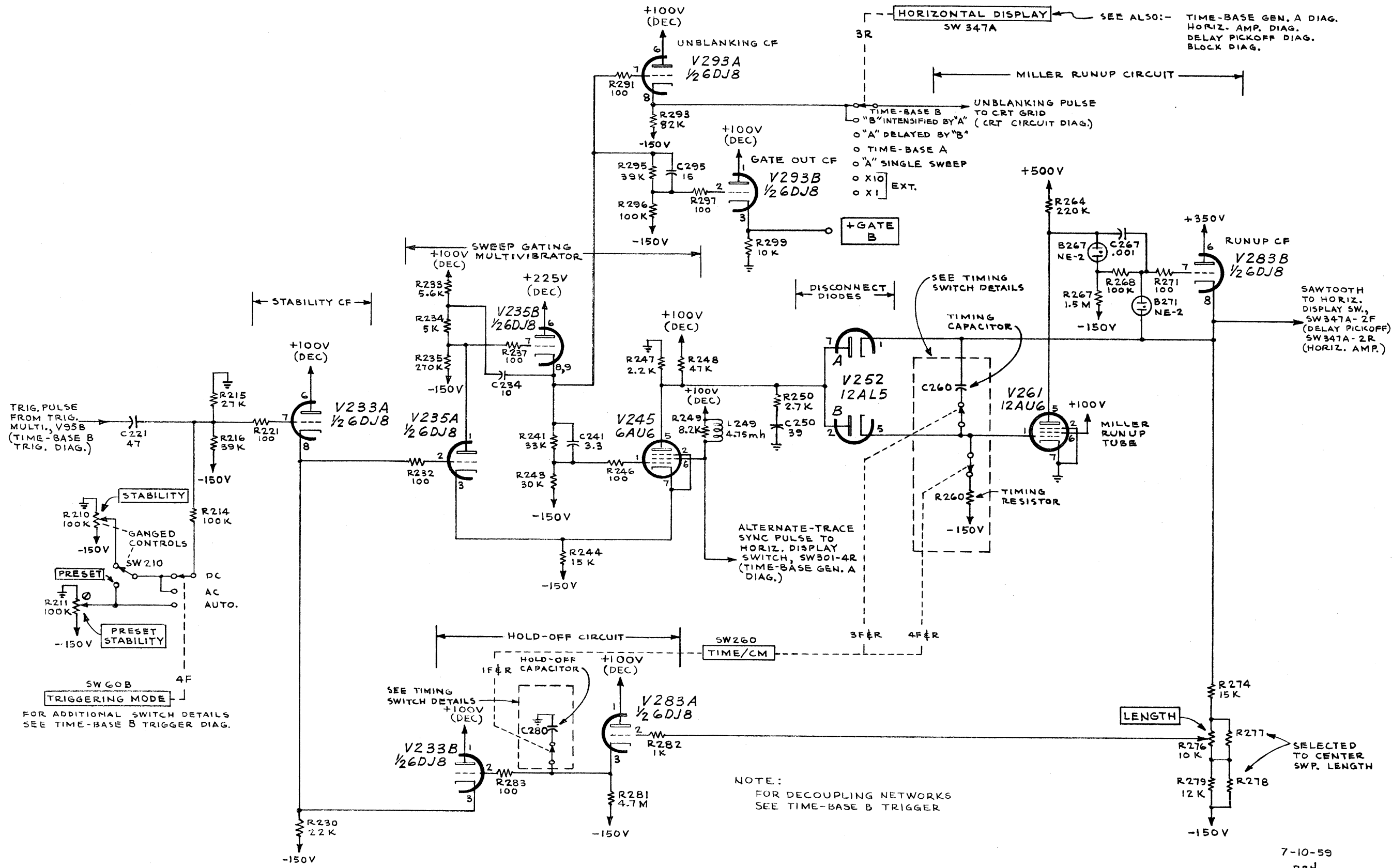
Modify to value for later instruments and change other parts to match.



TYPE 535A OSCILLOSCOPE

A

4-2-59
RBH
TIME-BASE A TRIGGER

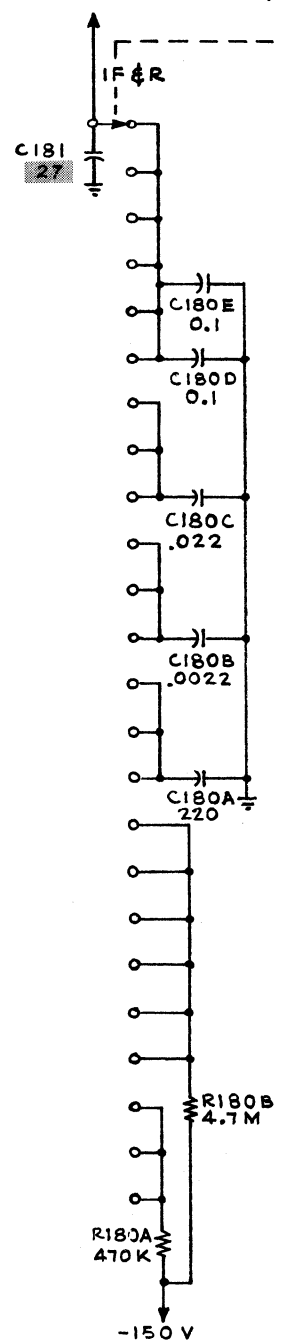


TYPE 535A OSCILLOSCOPE

B

TIME-BASE GENERATOR B

TO CATH., PIN 8, V183A
HOLD-OFF CF
(TIME-BASE GEN. A DIAG.)



HOLD-OFF
CAPACITORS
& RESISTORS

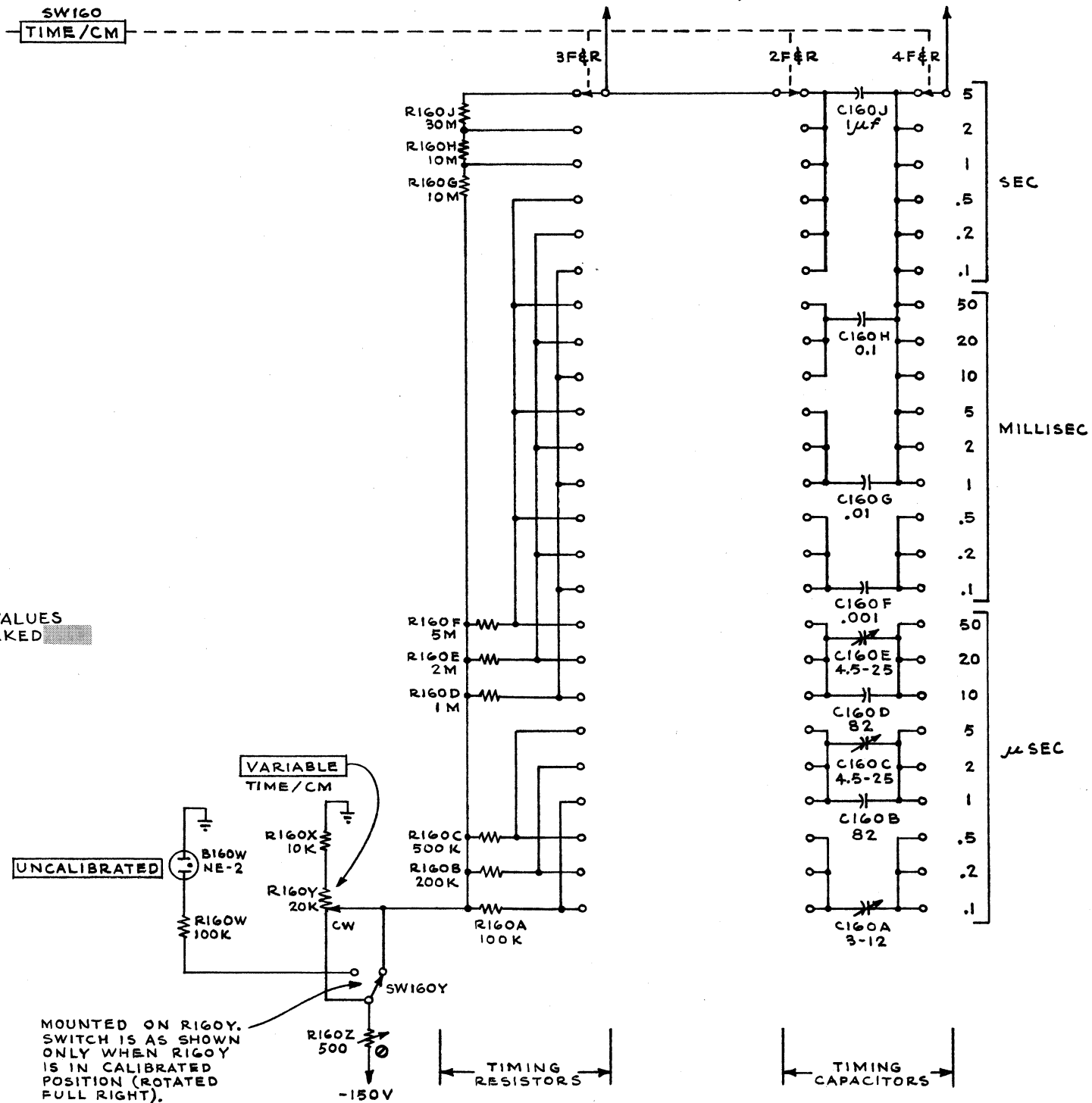
TYPE 535A OSCILLOSCOPE

SW160
TIME/CM

SEE PARTS LIST
FOR EARLIER VALUES
OF PARTS MARKED

TO GRID, PIN 9, V1G1
MILLER RUNUP TUBE
(TIME-BASE GEN. A DIAG.)

TO CATH., PINS 3 & 8, V173
RUNUP CF
(TIME-BASE GEN. A DIAG.)



UNCALIBRATED

VARIABLE
TIME/CM

MOUNTED ON R160Y.
SWITCH IS AS SHOWN
ONLY WHEN R160Y
IS IN CALIBRATED
POSITION (ROTATED
FULL RIGHT).

TIMING
RESISTORS

TIMING
CAPACITORS

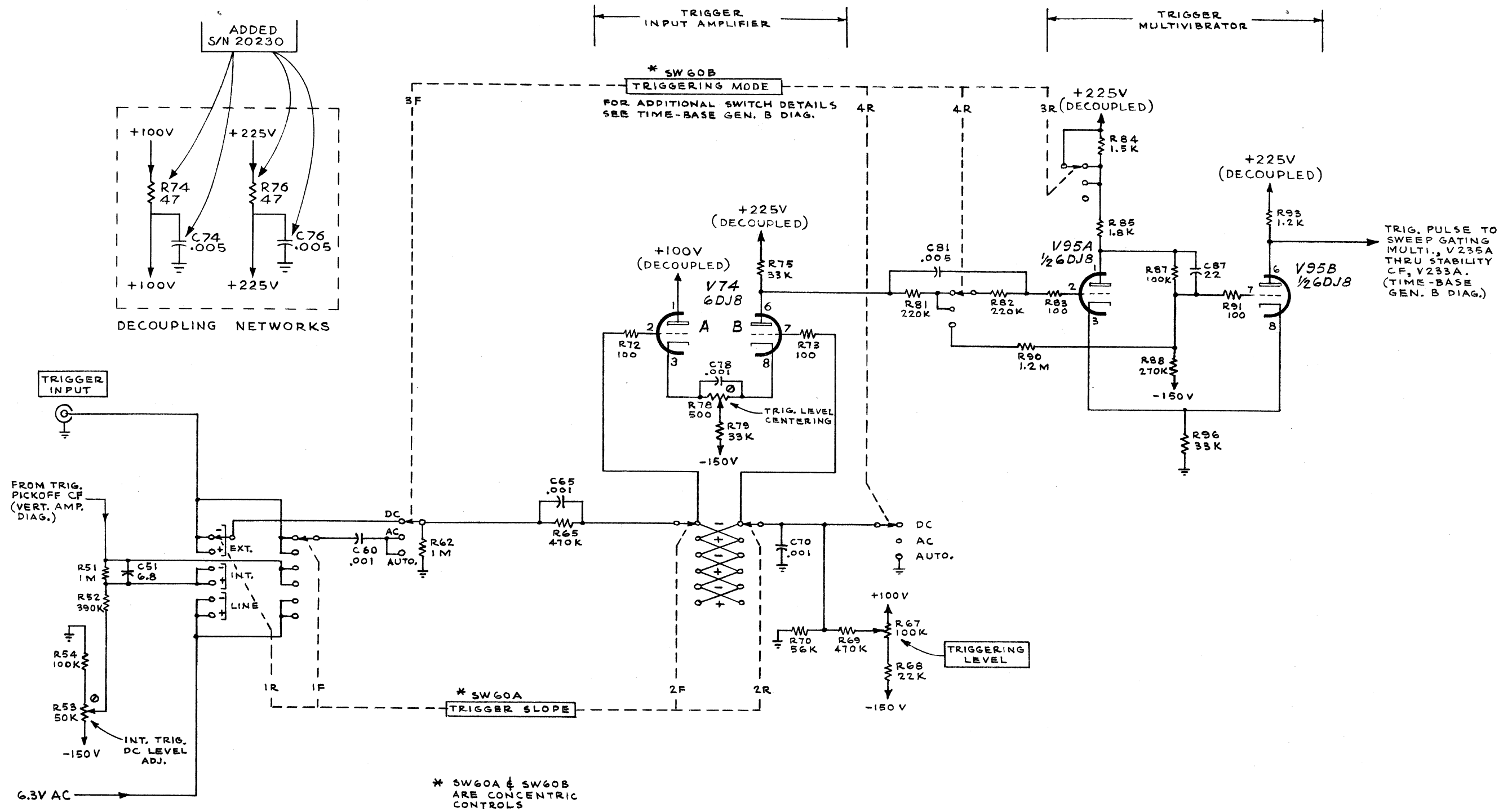
5
2
1
.5
.2
.1
50
20
10
5
2
1
50
20
10
5
2
1
.5
.2
.1

SEC
MILLISEC
μ SEC

7-10-59
RBH

A₁

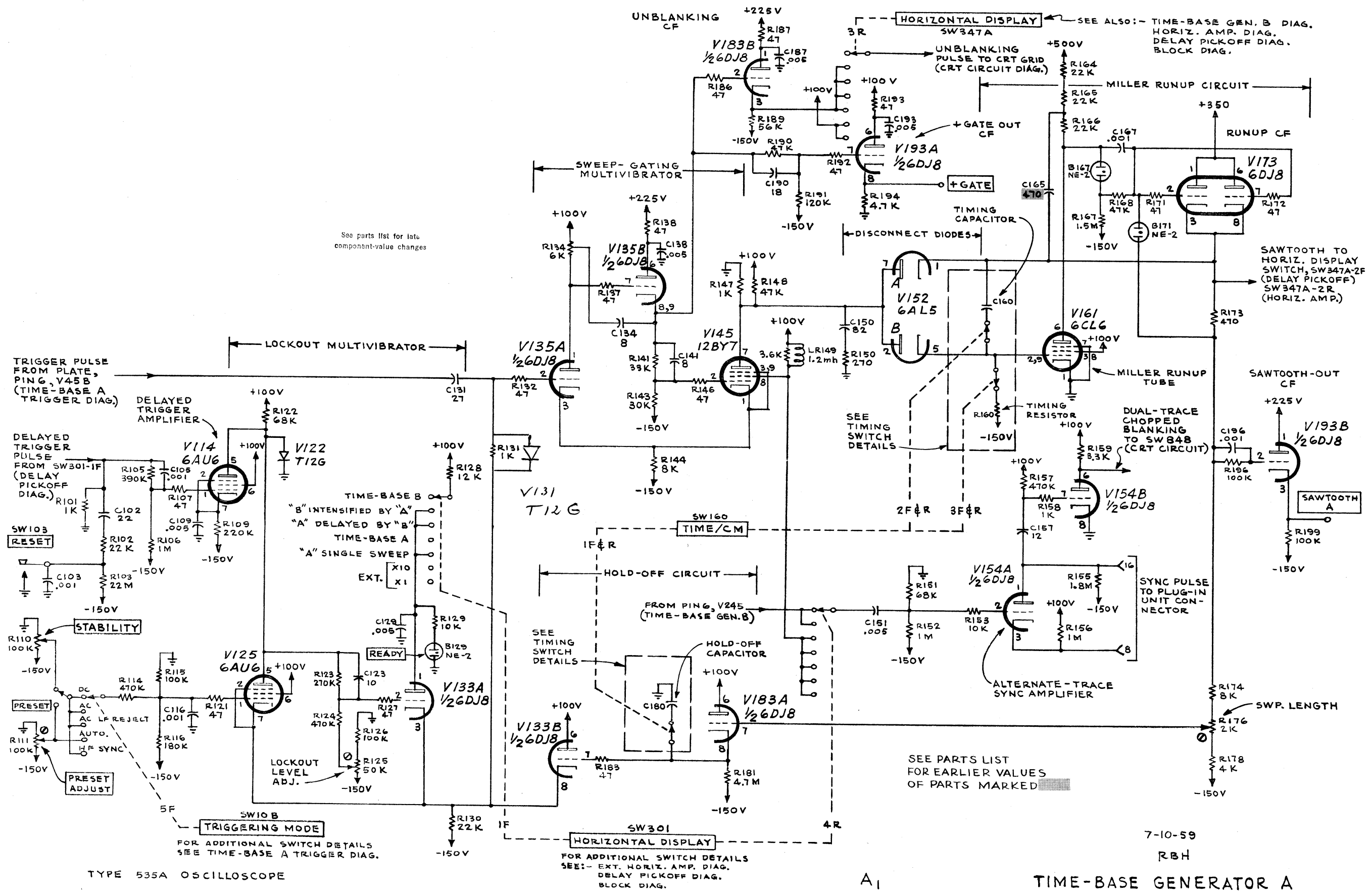
TIME-BASE A TIMING SWITCH



TYPE 535A OSCILLOSCOPE

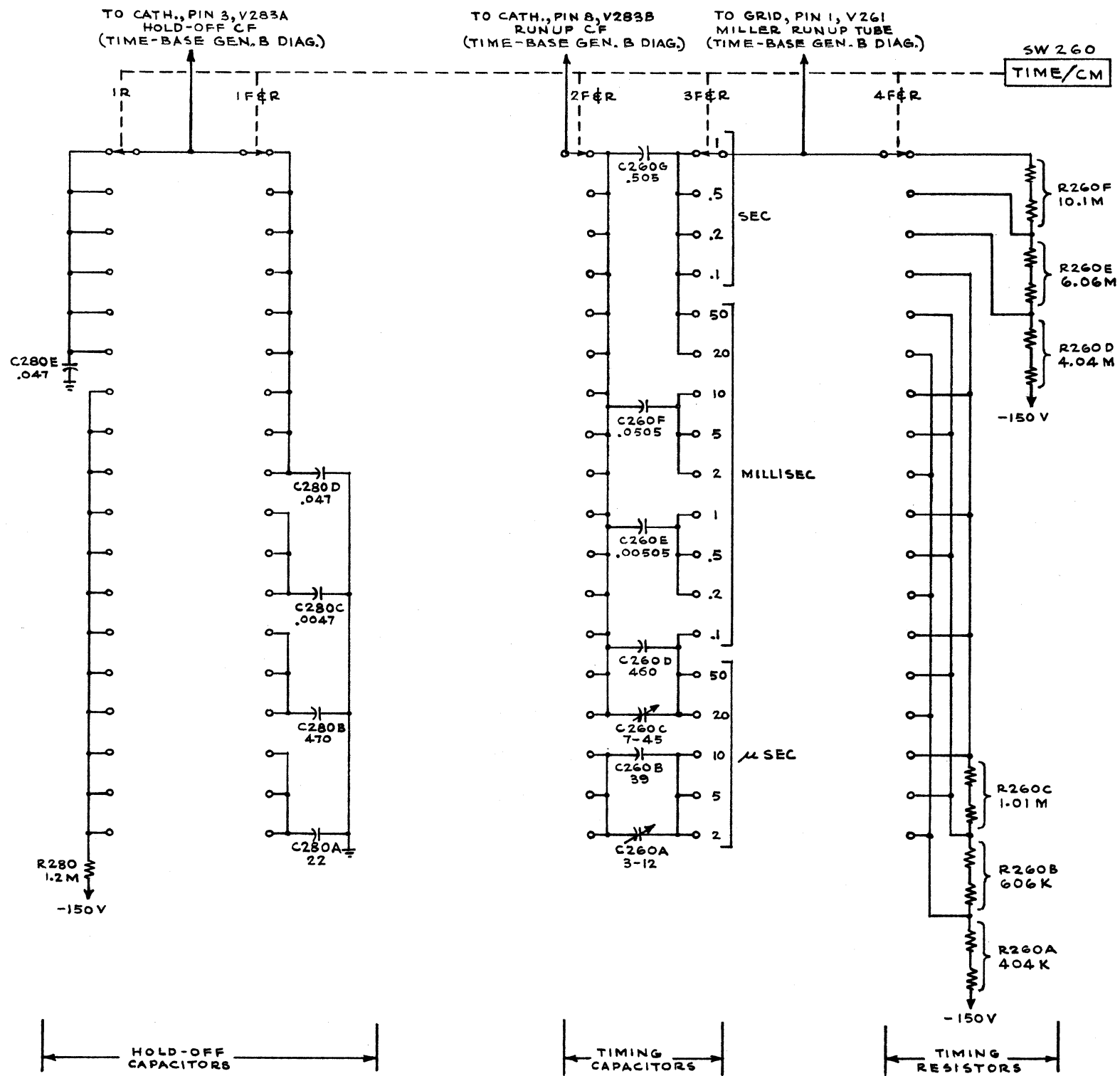
B

7-10-59
RBH
TIME-BASE B
TRIGGER



See parts list for late component-value changes

A₁

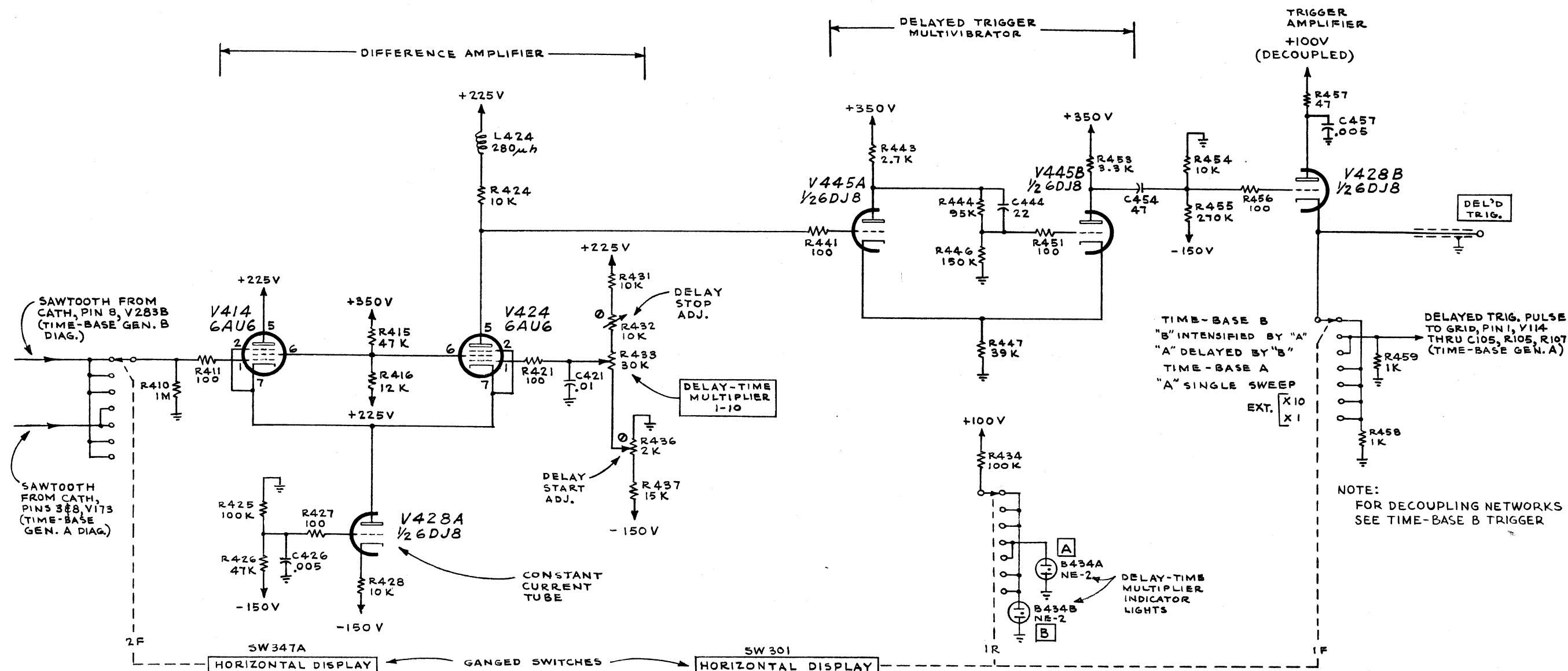


TYPE 535A OSCILLOSCOPE

A

TIME-BASE B TIMING SWITCH

4-2-59
RBH



TYPE 535A OSCILLOSCOPE

B

DELAY PICKOFF

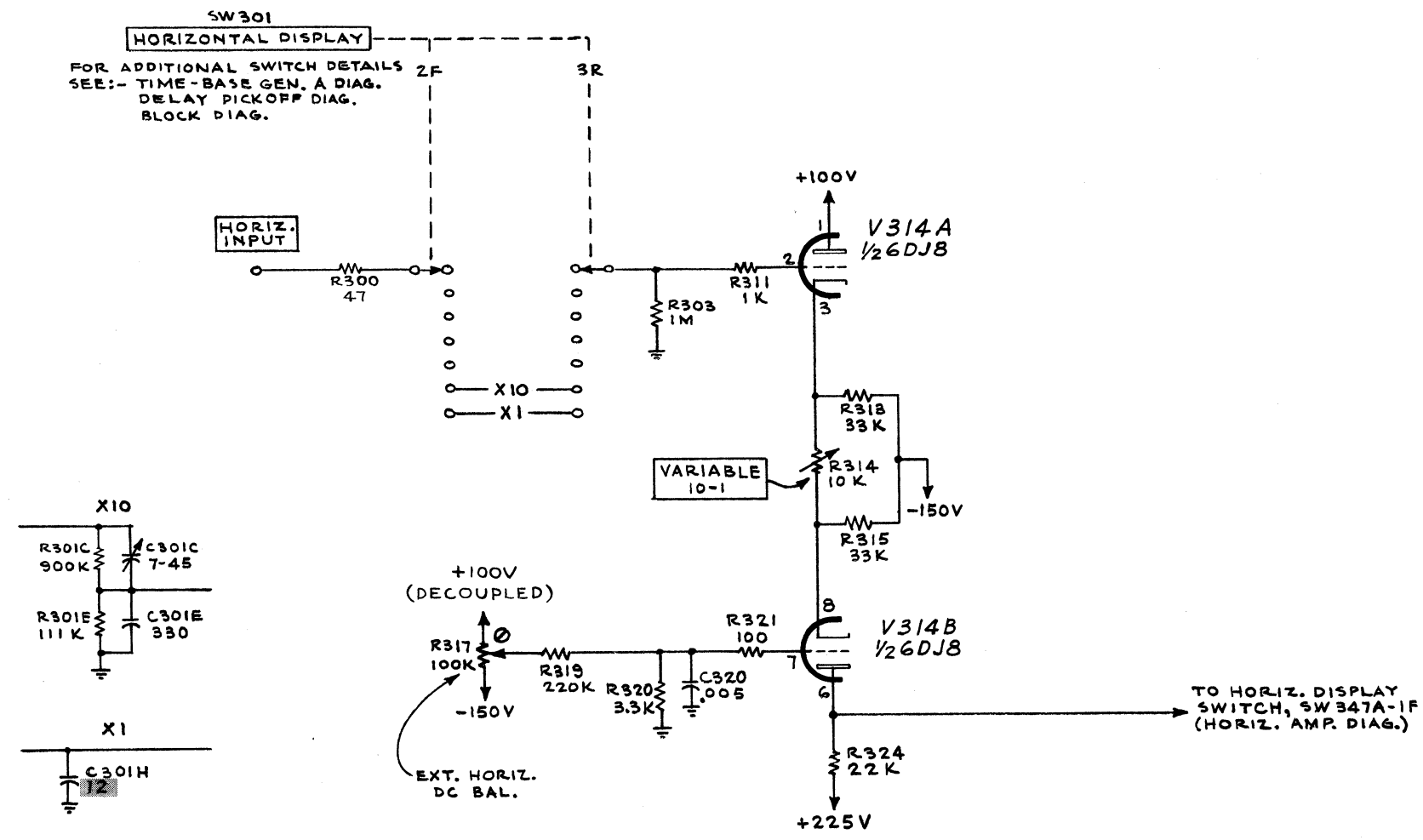
FOR ADDITIONAL SWITCH DETAILS
SEE: - TIME-BASE GEN. A DIAG.
HORIZ. AMP. DIAG.
BLOCK DIAG.

FOR ADDITIONAL SWITCH DETAILS
SEE: - TIME-BASE GEN. A DIAG.
EXT. HORIZ. AMP. DIAG.
BLOCK DIAG.

NOTE:
FOR DECOUPLING NETWORKS
SEE TIME-BASE B TRIGGER

7-10-59

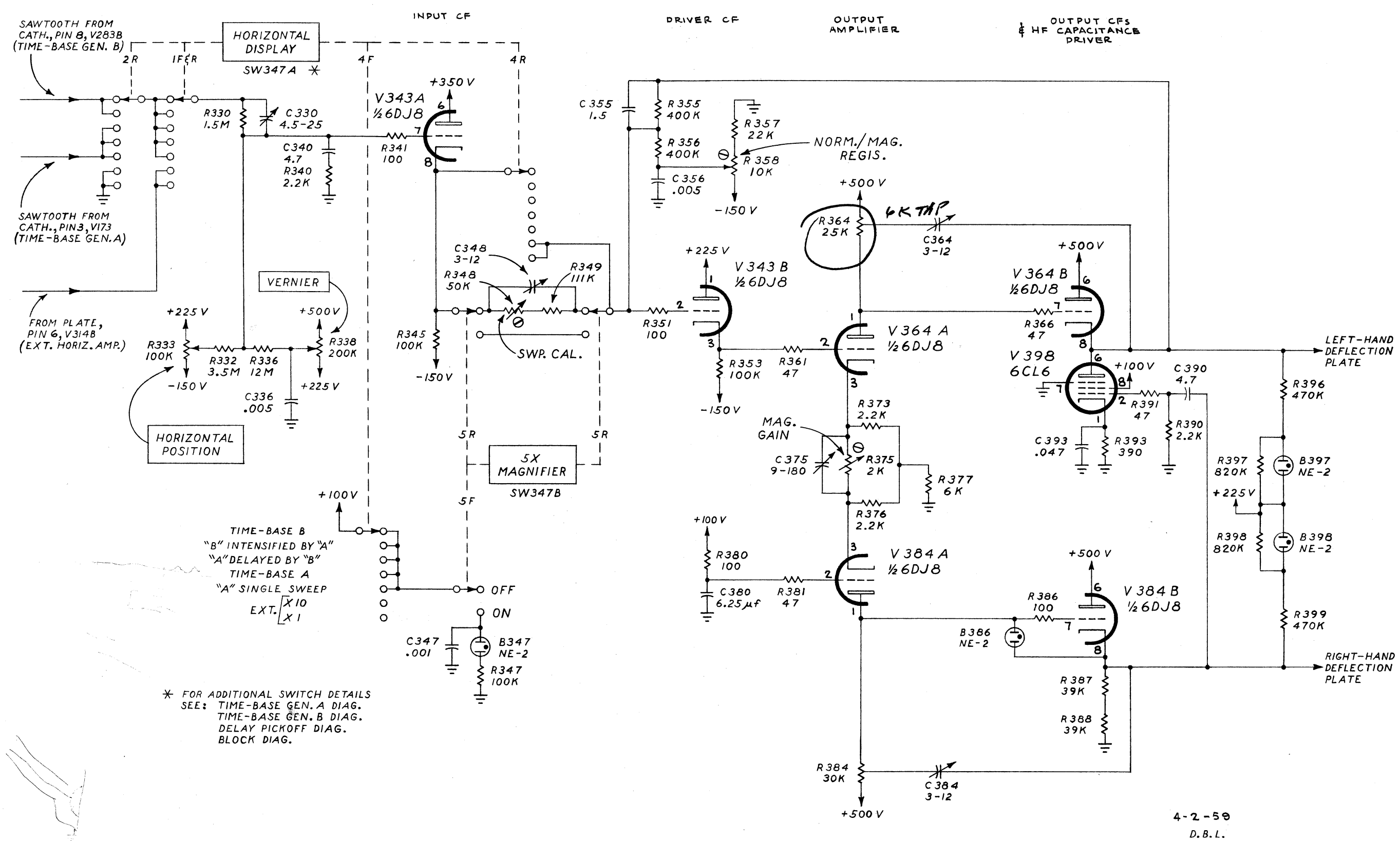
RBH



SEE PARTS LIST
FOR EARLIER VALUES
OF PARTS MARKED

NOTE:
FOR DECOUPLING NETWORKS
SEE TIME-BASE B TRIGGER

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RBH



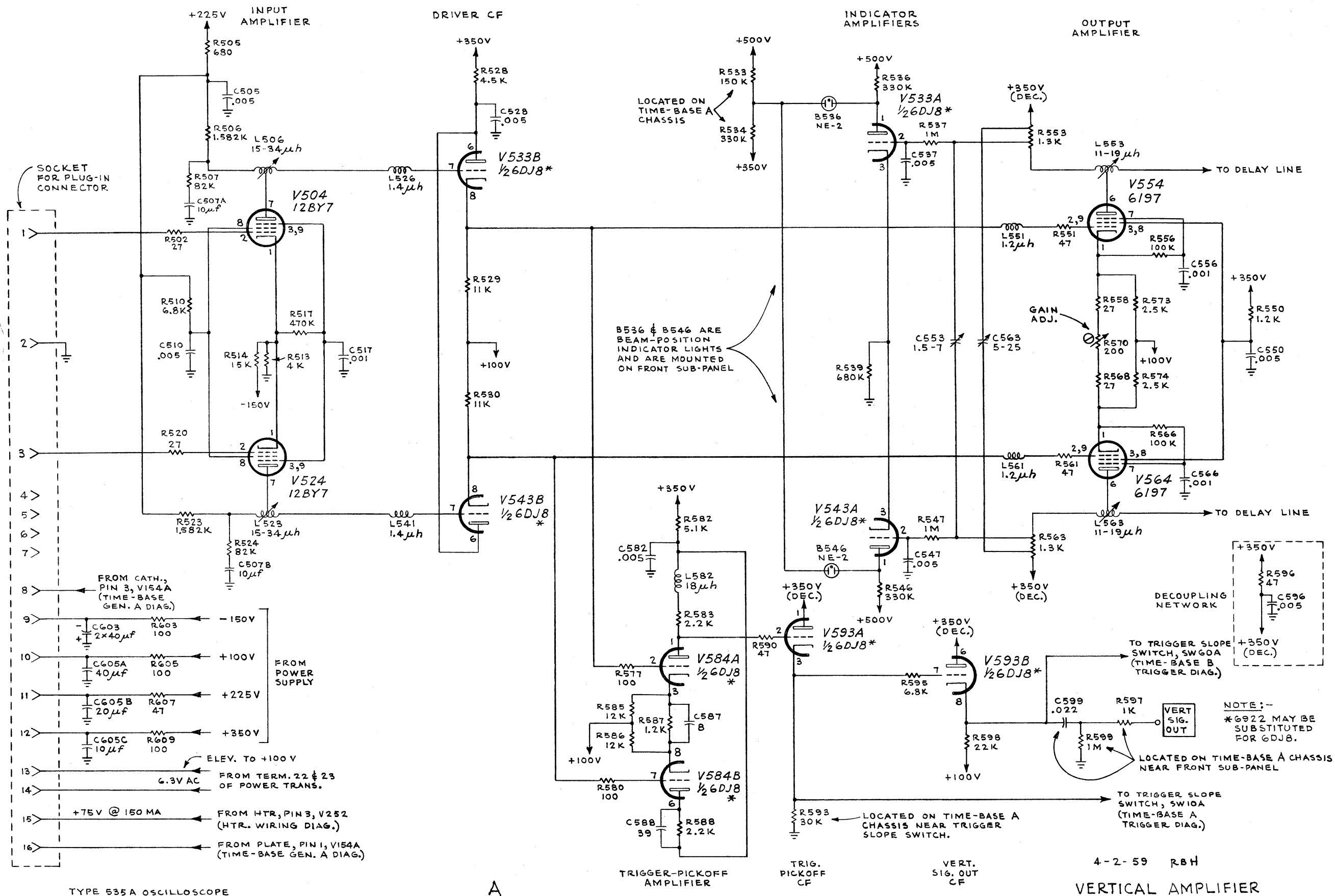
* FOR ADDITIONAL SWITCH DETAILS
 SEE: TIME-BASE GEN. A DIAG.
 TIME-BASE GEN. B DIAG.
 DELAY PICKOFF DIAG.
 BLOCK DIAG.

TYPE 535A OSCILLOSCOPE

A

HORIZONTAL AMPLIFIER

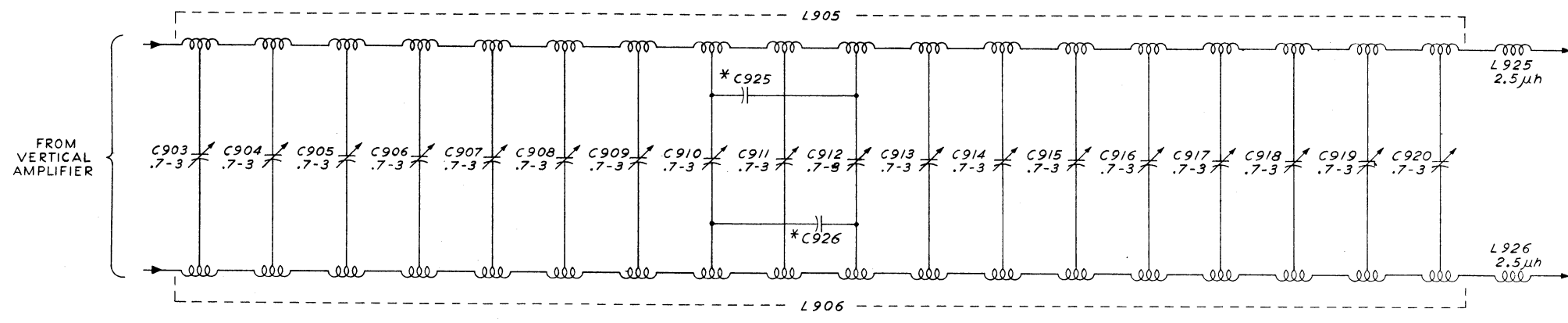
4-2-59
 D.B.L.



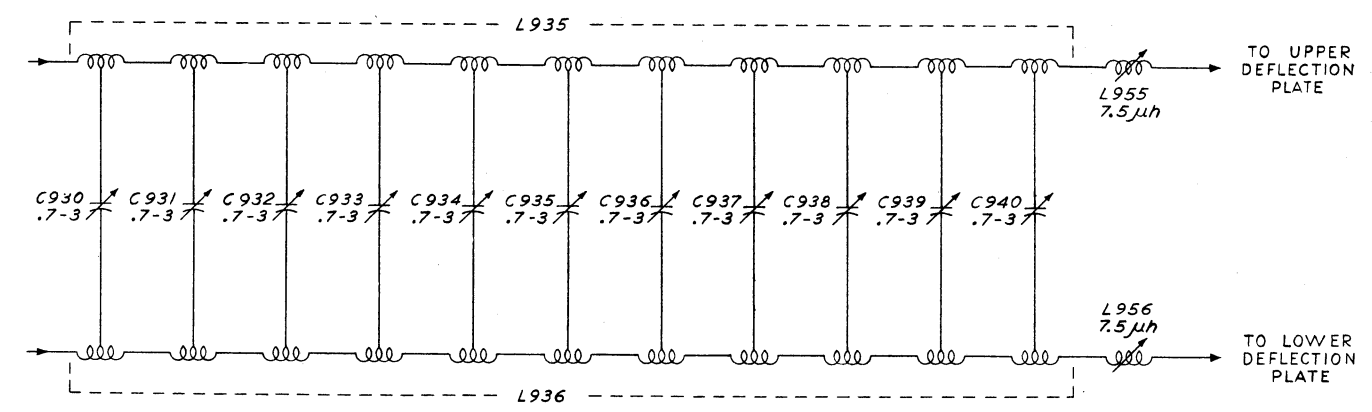
TYPE 535A OSCILLOSCOPE

A

4-2-59 RBH
VERTICAL AMPLIFIER



* SEE PARTS LIST

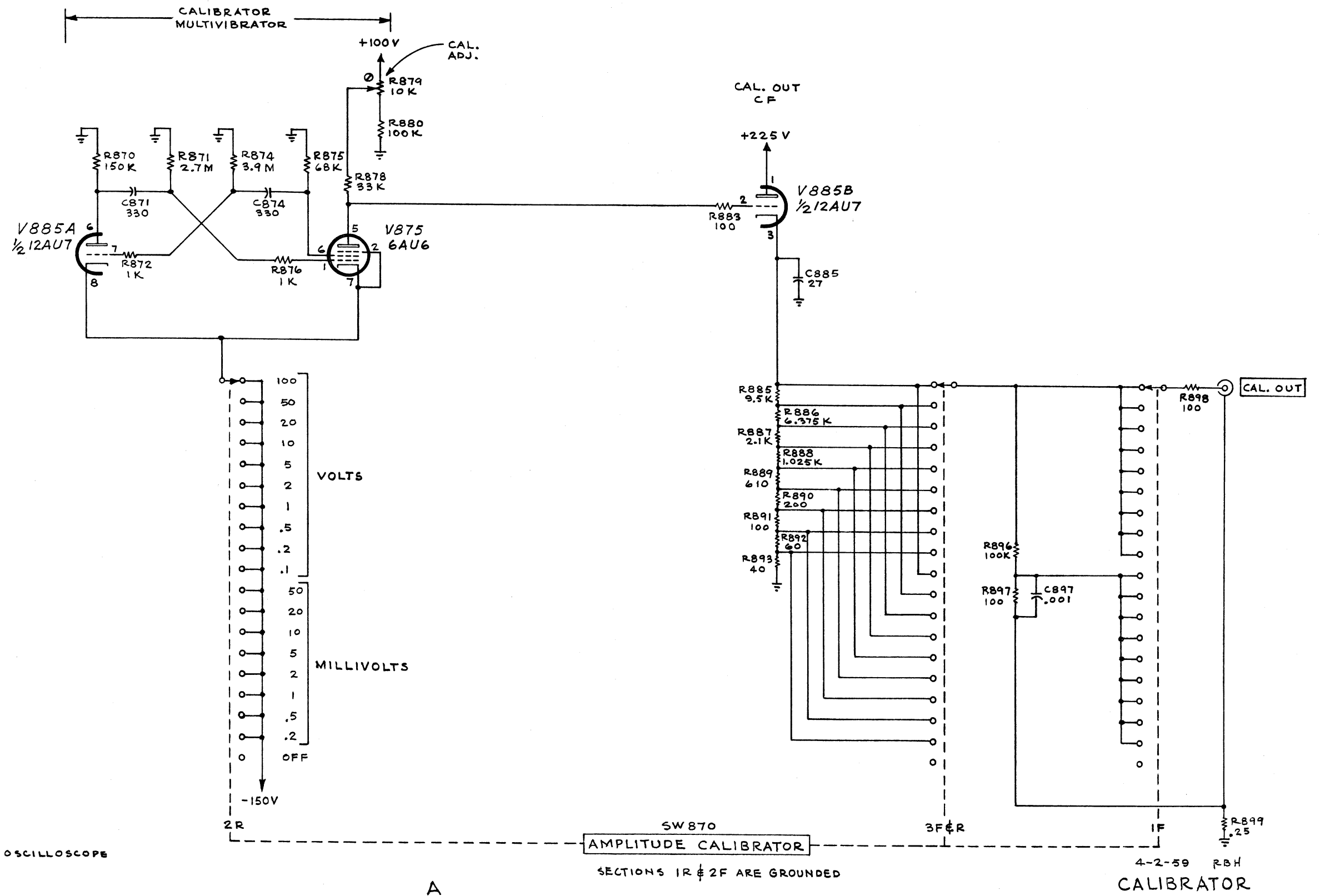


4-2-59 JR

TYPE 535A OSCILLOSCOPE

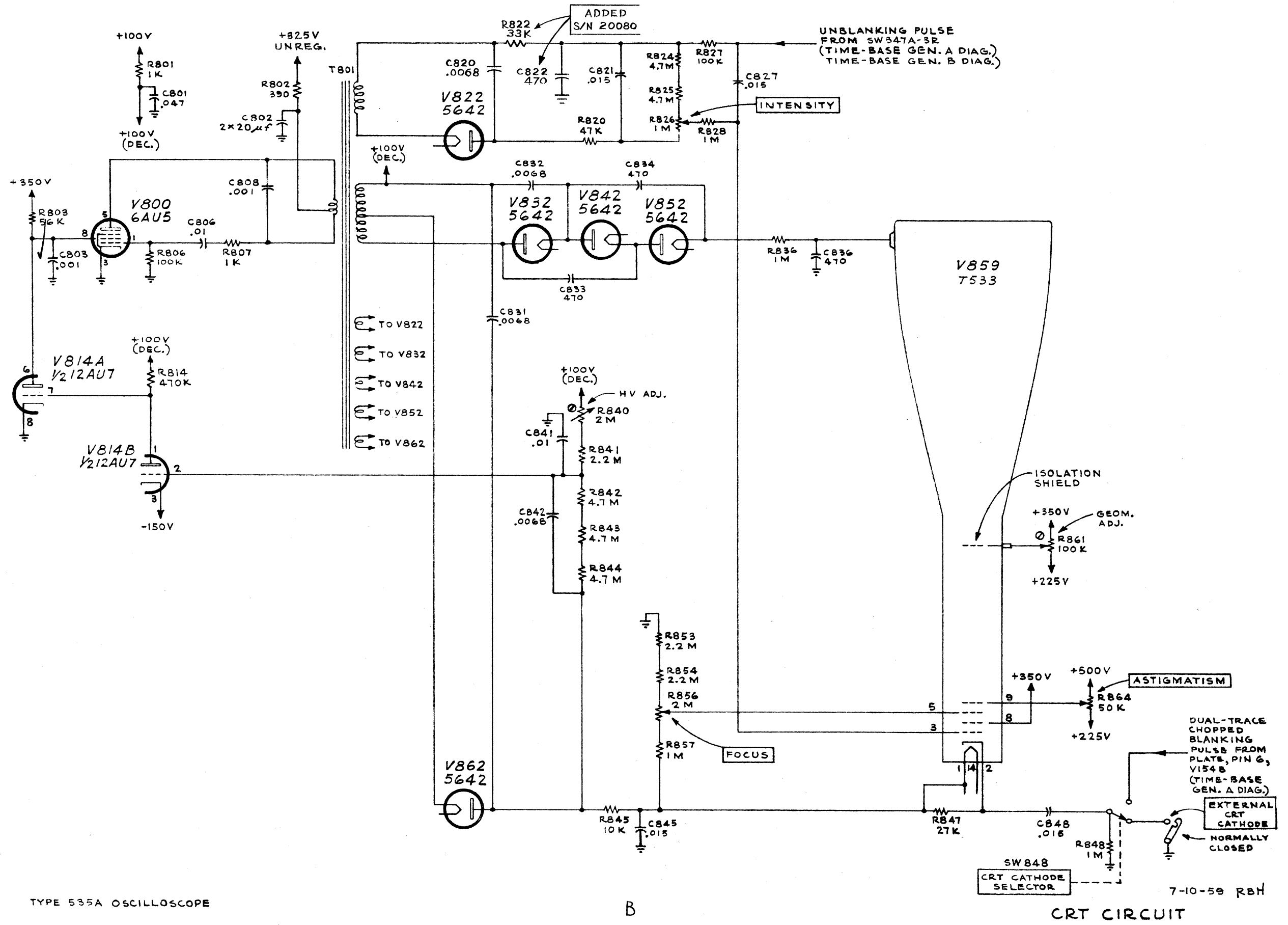
A

DELAY LINE NETWORK



TYPE 535A OSCILLOSCOPE

A



TYPE 535A OSCILLOSCOPE

B

CRT CIRCUIT

7-10-59 RBH