

SECTION VII ILLUSTRATIONS

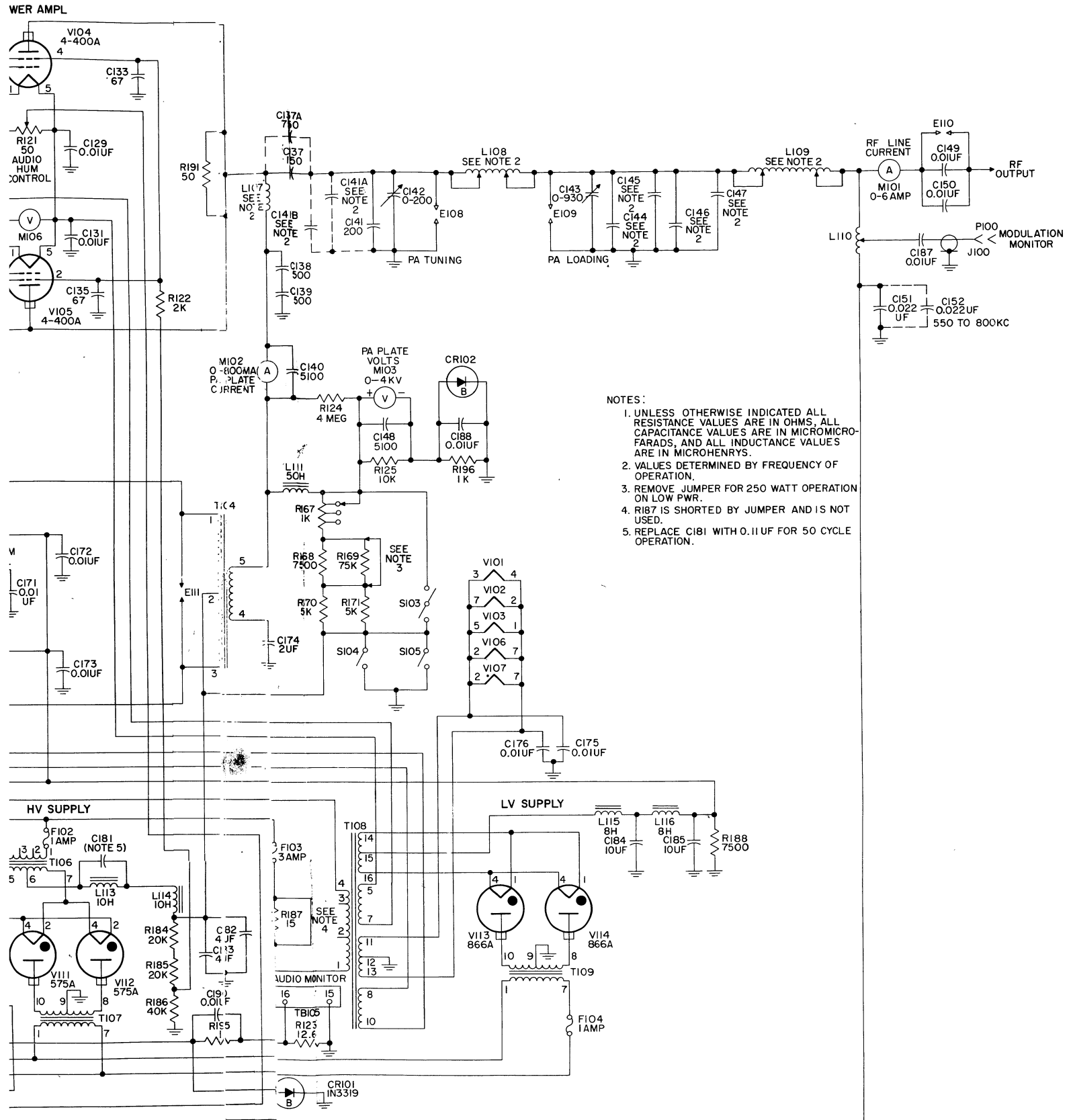
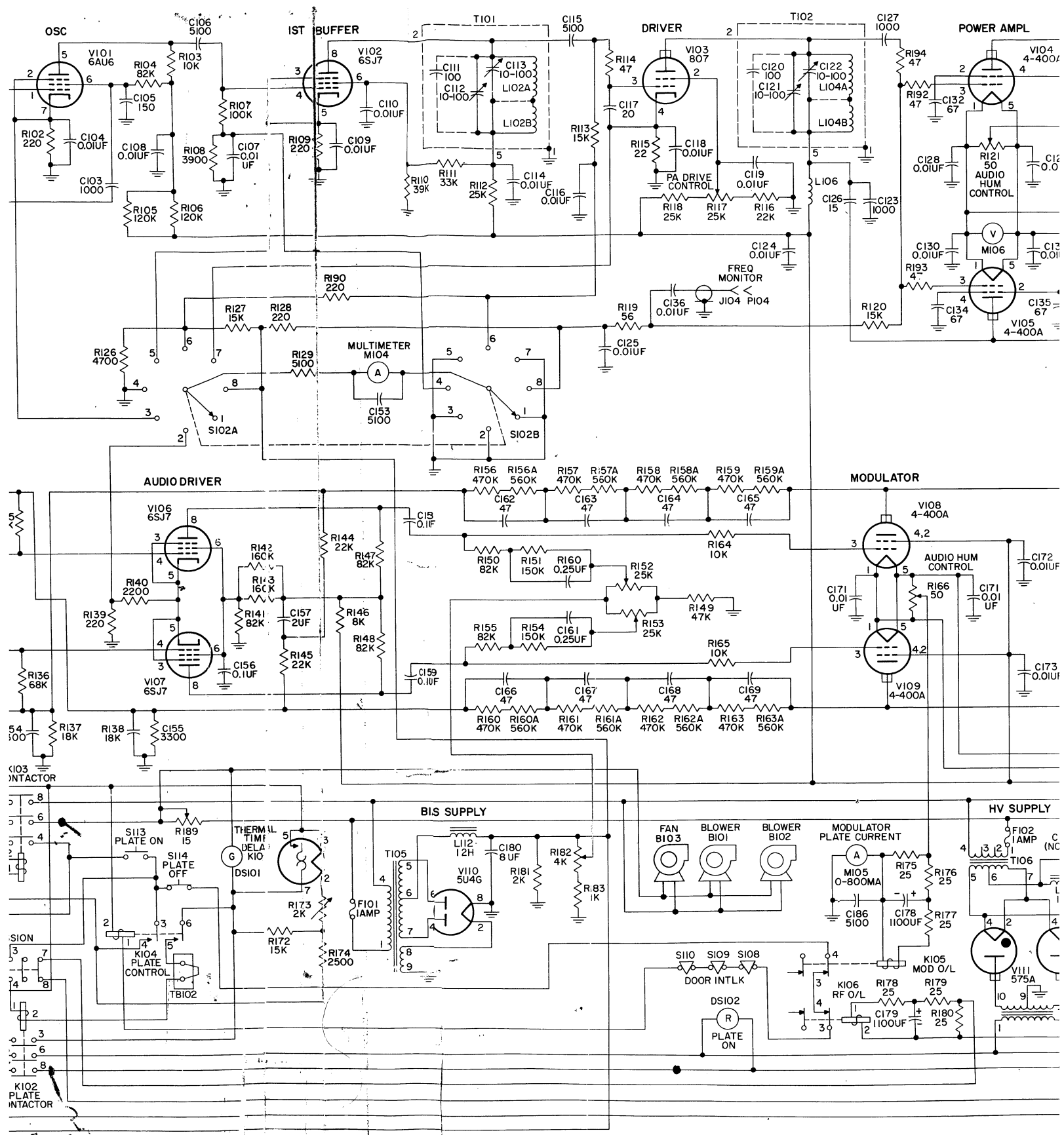


Figure 7-1. AM Broadcast Transmitter 20V-3, Schematic Diagram



OSC

IST BUFFER

DRIVER

POWER AMPL

AUDIO DRIVER

MODULATOR

BIS SUPPLY

FAN BLOWER BLOWER

MODULATOR PLATE CURRENT

HV SUPPLY

MULTIMETER M104

FREQ MONITOR

AUDIO HUM CONTROL

V M106

AUDIO HUM CONTROL

V M106

AUDIO HUM CONTROL

AUDIO HUM CONTROL

AUDIO HUM CONTROL

AUDIO HUM CONTROL

AUDIO HUM CONTROL

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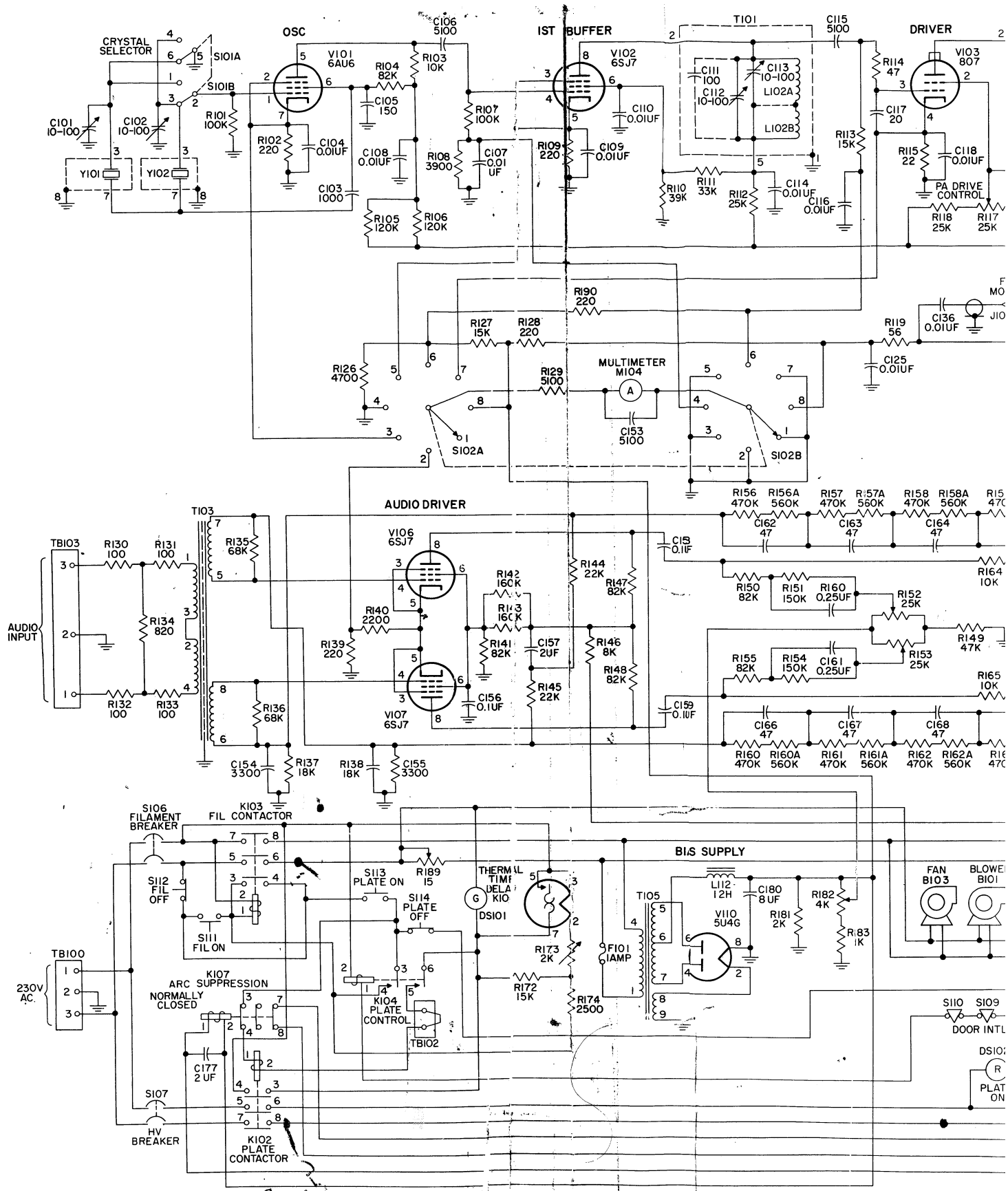
AUDIO HUM CONTROL

K103 INTACTOR

S103

K102 PLATE INTACTOR

S103



ELECTRICAL WIRE CODE

EXAMPLES

UNSHIELDED WIRE, MIL TYPE B #22 AWG, WHITE WITH RED AND GREEN TRACERS:

 D
Type of Wire
 A
Size of Wire
 9
Color of Body
 25
Color of Tracers
— 4-1/4
Length of Wire in Inches
(Includes Stripping & Tinning)

SHEILED WIRE (SINGLE), MIL TYPE C, #15 AWG, WHITE WITH RED AND GREEN TRACERS:

 R
Type of Wire
 D
Size of Wire
 S
Shielded
 9
Color of Body
 25
Color of Tracers
— 4-1/4
Length of Wire in Inches
(Includes Stripping & Tinning)

SHEILED WIRE (MULTIPLE), MIL TYPE B, #22 AWG, WHITE, AND WHITE WITH RED TRACER:

 D
Type of Wire
 A
Size of Wire
 S
Shielded
 (9)
First Conductor
 (92)
Second Conductor
— 4-1/4
Length of Wire in Inches
(Includes Stripping & Tinning)

TYPE OF WIRE CODE		
LETTER	TYPE OF WIRE	FAMILY USUALLY FOUND IN
A	Cotton Braid Over Plastic (Formerly AN-J-C-48)	440 Plain 443 Shielded
B	Busbar, Round Tinned	421
C	MIL-W-16878 Type B (#20 and Larger) (600 Volts)	439
D	Miniature Wire, MIL-W-16878 Type B (#22 & Smaller)	439-7000 Series
E		
F	Extra Flexible Varnished Cambric	423
G		
H	Kel-F (Monochloro-trifluoroethylene)	422
J		
K	Neon Sign Cable (15,000 Volts)	423 0004 00
L	Silicone	425 0942 00
M		
N	Single Conductor Stranded (Not Rubber Covered)	422
P	Single Conductor Stranded (Rubber Covered)	423
Q		
R	MIL-W-16878 Type C (1000 Volts)	439 1000 Series
T	Teflon, MIL-W-16878 Type E (600 Volts)	439 4000 Series
V	MIL-W-16878 Type D (3000 Volts)	439 3000 Series
W	Teflon, MIL-W-16878 Type EE (1000 Volts)	439 0000 Series
X		
Y		
Z	Acetate Yarn Telephone Type	428

SIZE OF WIRE CODE	
LETTER	SIZE
A	#22 AWG
B	#20
C	#18
D	#16
E	#14
F	#12
G	#10
H	#8
J	#6
K	#4
L	#2
M	#1
N	#0
P	#00
Q	#000
R	#0000
T	#28
V	#26
W	#24
X	#19
Y	#30
Z	

COLOR CODE	
NUMBER OR LETTER	COLOR
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray (Slate)
9	White
a	Clear
b	Tan
c	Pink
d	Maroon
e	Light Green
f	Light Blue



COLLINS RADIO COMPANY