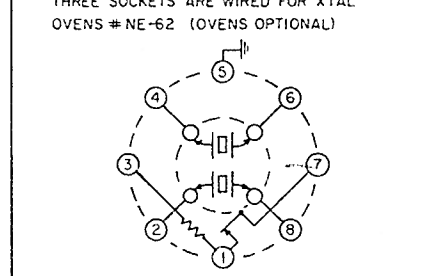


RESISTORS ARE 1/2 WATT 10% EXCEPT AS OTHERWISE SPECIFIED  
 K=10 TIMES 1000 M=10 TIMES 1000000  
 CAPACITOR VALUES SHOWN DECIMALLY ARE MICROFARADS, OTHER ARE MICROMICROFARADS, EXCEPT AS OTHERWISE SPECIFIED

ALL SWITCHES ARE SHOWN AS SEEN FROM REAR. THE NUMBERS DENOTE WAFER POSITION. N, L, I IS NEXT TO PANEL. THE LETTERS R, B, F DENOTE REAR, B, FRONT SECTIONS OF WAFER, RESPECTIVELY. THE FRONT SECTION CONTACTS ARE SHOWN BY DASHED LINES B ARE AS VIEWED THRU THE WAFER FROM REAR. THE BLACKED ROTORS ARE ON REAR SECTION. SOME WAFERS HAVE LUGS (WITHOUT CONTACTS) WHICH ARE USED AS THE POINTS.

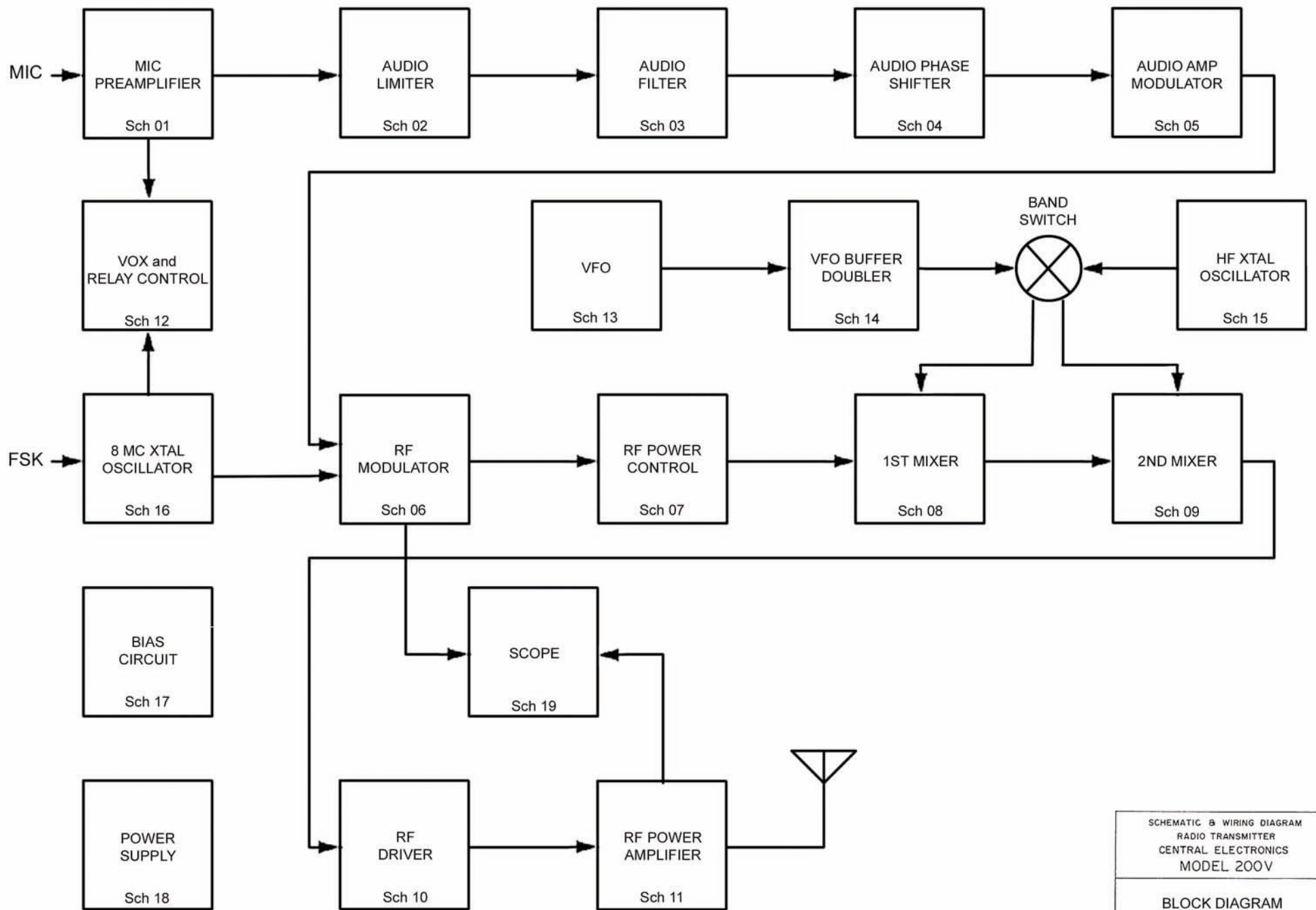
THE THREE PLUG-IN COIL UNITS, 2ND MIXER, RF DRIVER & XTAL OSC PLATE, SHOW THE CIRCUIT USED ON THE 40 METER BAND. REFER TO CHART (IN INSTRUCTION MANUAL) FOR OTHER BANDS. EACH OF THE ABOVE PLUG-IN COIL UNITS CONTAIN SIX COILS. WHEN AN "X" BAND COIL IS INCLUDED.



NUMBERED ARROWS AROUND THE CHANGED BAND-SWITCH DESIGNATE WHERE WIRE CONNECTIONS GO TO A PLUG-IN COIL GROUP ASSOCIATED WITH THE PARTICULAR SWITCH FUNCTION.

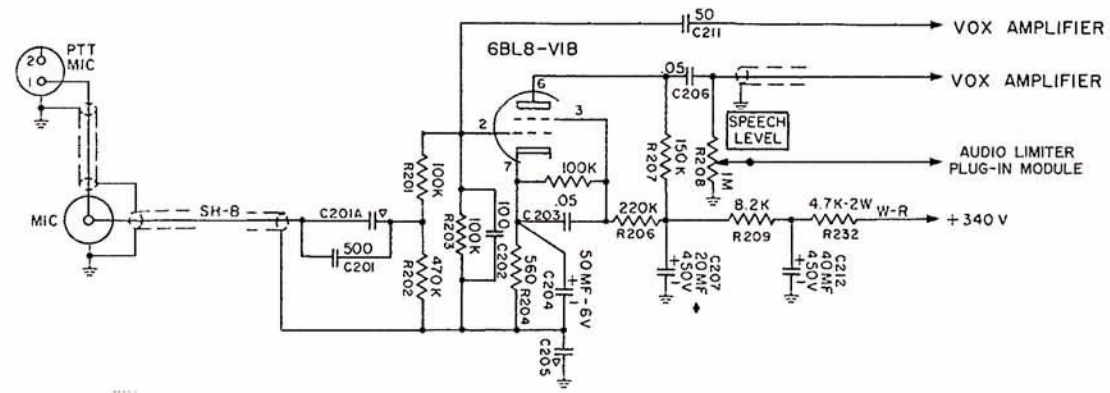
THREE SOCKETS ARE WIRED FOR XTAL OVENS # NE-62 (OVENS OPTIONAL)

LAST R & C NUMBERS  
 R164 & C140 R244 & C223 R307 & C204  
 R468 & C282 R518 & C317 R610 & C620  
 R710 & C710 LIMITER-R12 & C8  
 FILTER-R137 & C27 PS-2-R68 & C10



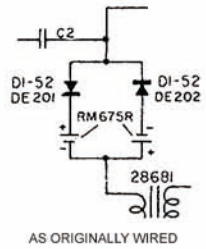
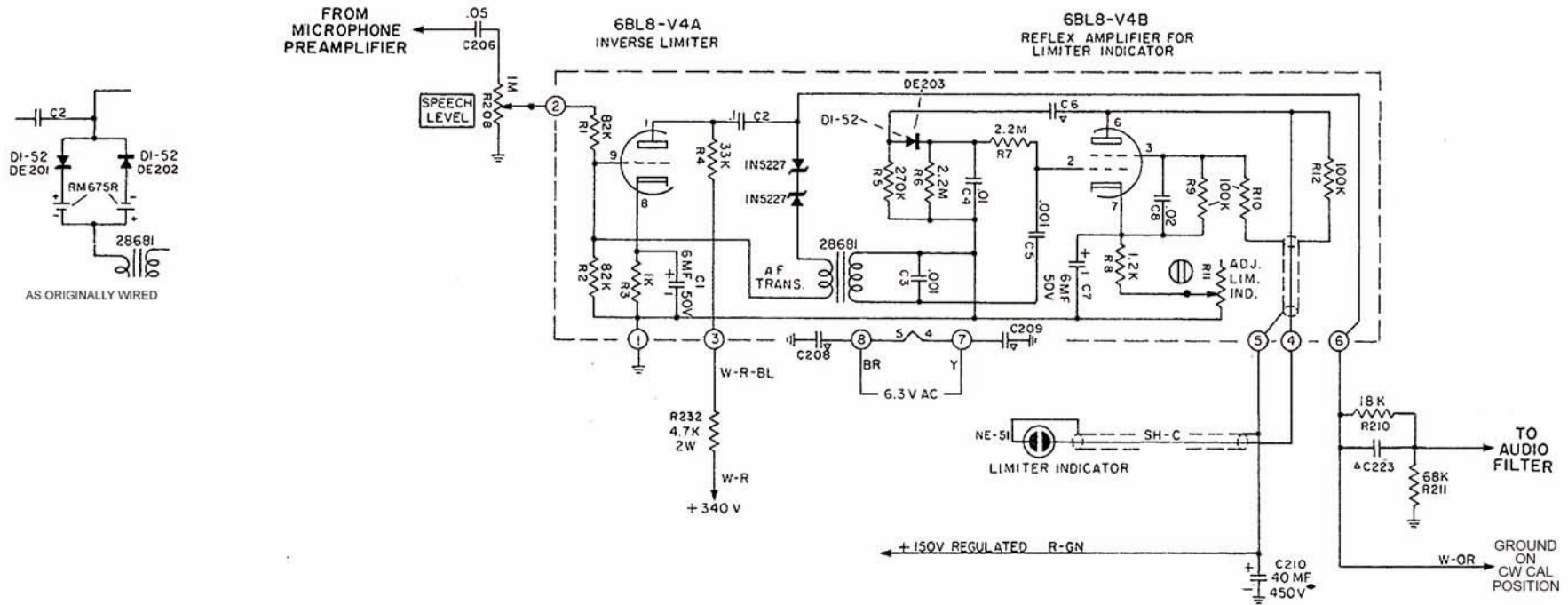
SCHEMATIC & WIRING DIAGRAM	
RADIO TRANSMITTER	
CENTRAL ELECTRONICS	
MODEL 200V	
BLOCK DIAGRAM	
L CRANER WB6SSW	05-01-13

MICROPHONE PREAMPLIFIER



SCHEMATIC & WIRING DIAGRAM		
RADIO TRANSMITTER		
CENTRAL ELECTRONICS		
MODEL 200V		
MIC PREAMPLIFIER		
(corrected from the original CE schematic)		
▽ = .005 CERAMIC CAPACITOR		
L CRANER WB6SSW	01	05-01-13

AUDIO LIMITER PLUG-IN MODULE

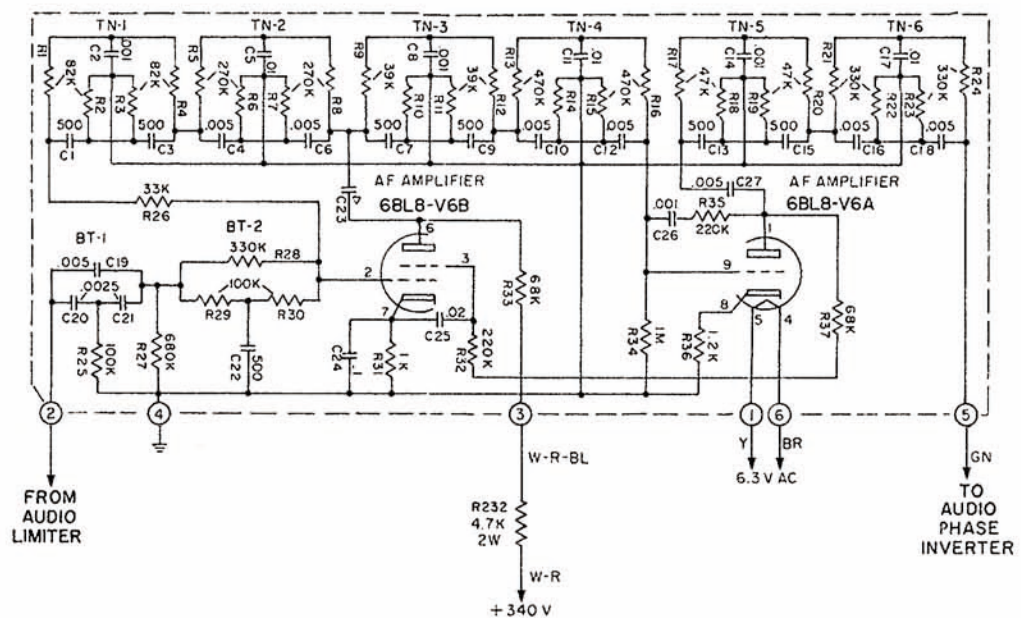


SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

**AUDIO LIMITER**  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 02 05-01-13

AUDIO FILTER PLUG-IN MODULE



SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

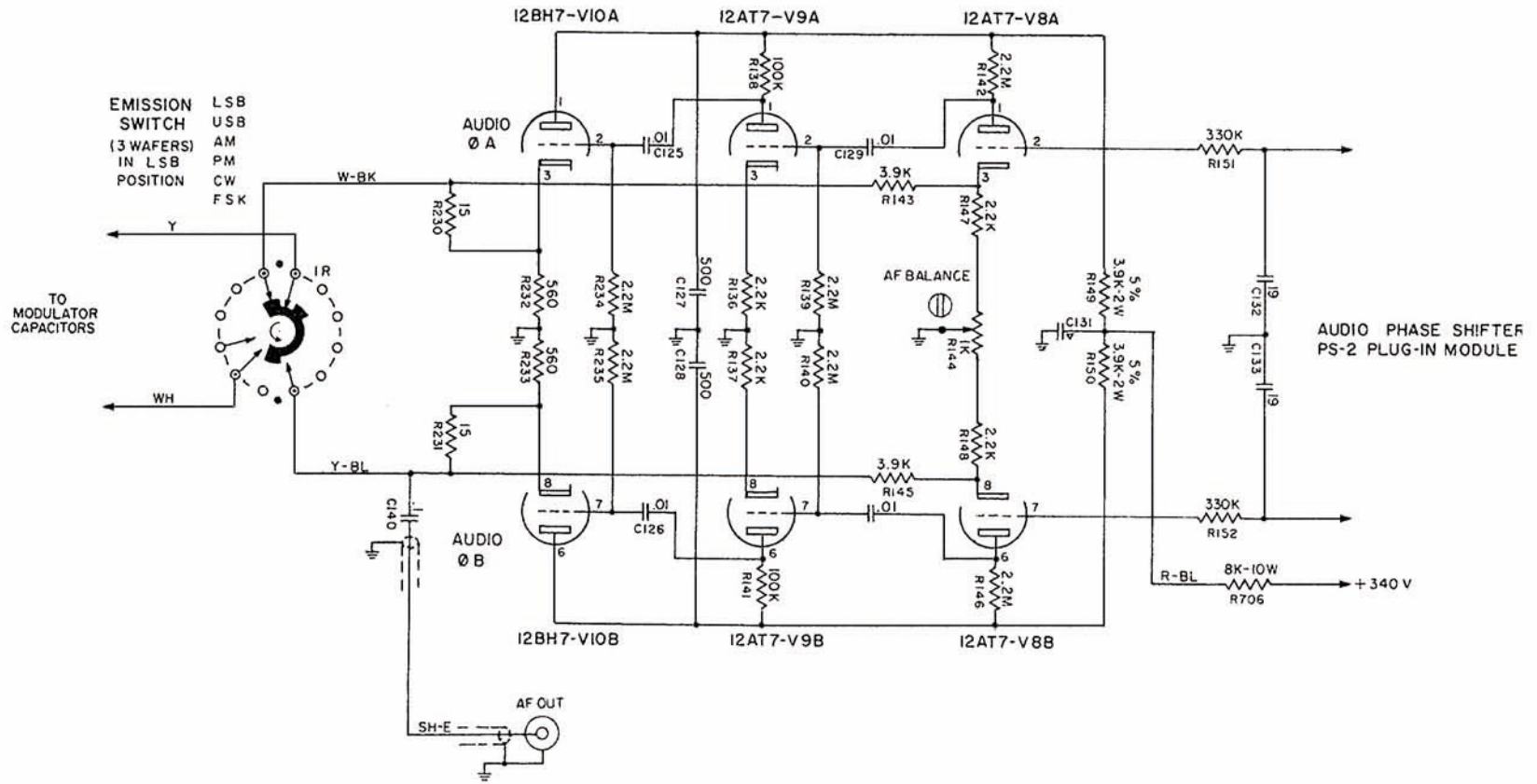
AUDIO FILTER  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 03 05-01-13



AF MODULATOR

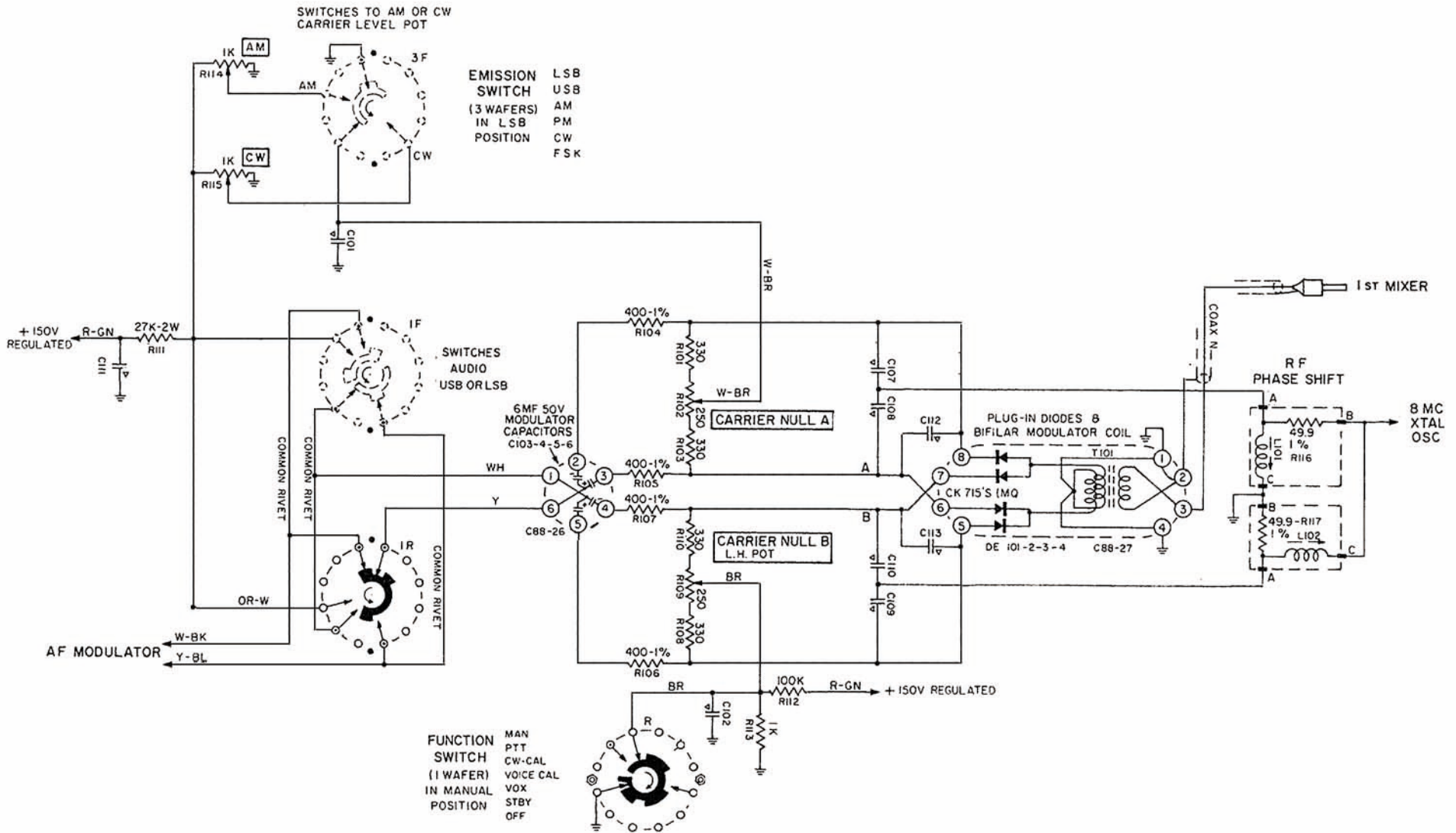
AF AMPLIFIER



SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

AUDIO AMP-MODULATOR  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 05 05-01-13

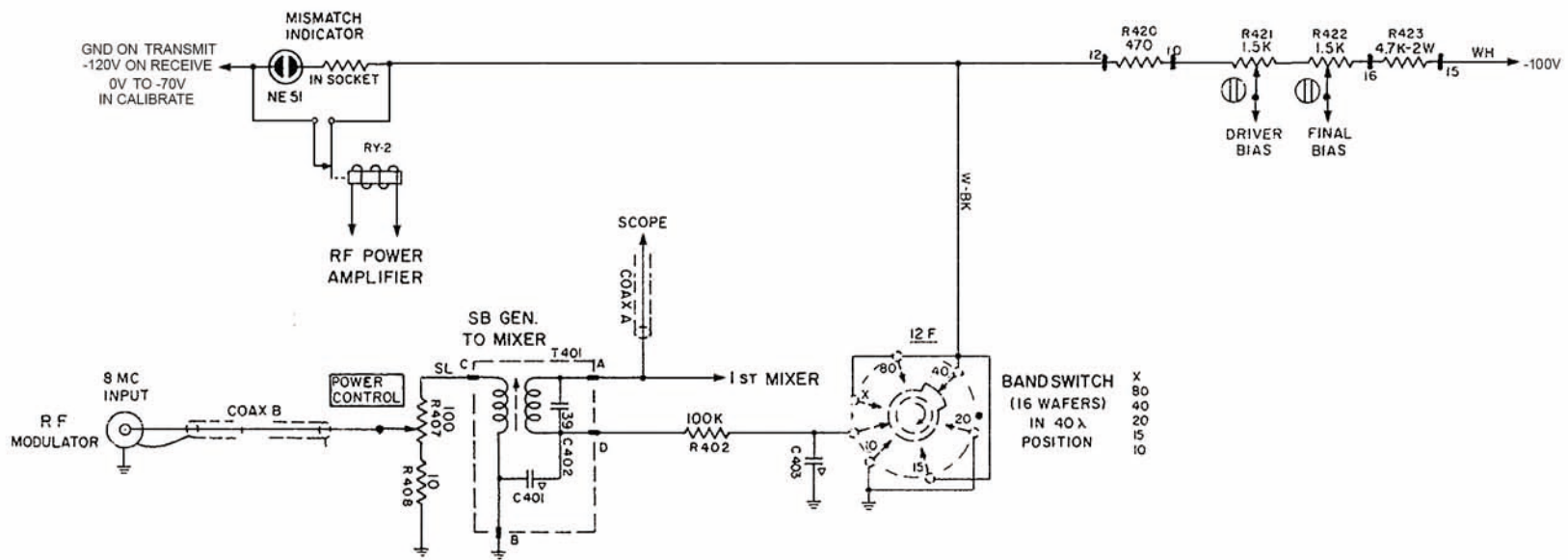


SCHEMATIC B WIRING DIAGRAM  
RADIO TRANSMITTER  
CENTRAL ELECTRONICS  
MODEL 200V

RF MODULATOR  
(corrected from the original CE schematic)  
▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 06 05-01-13





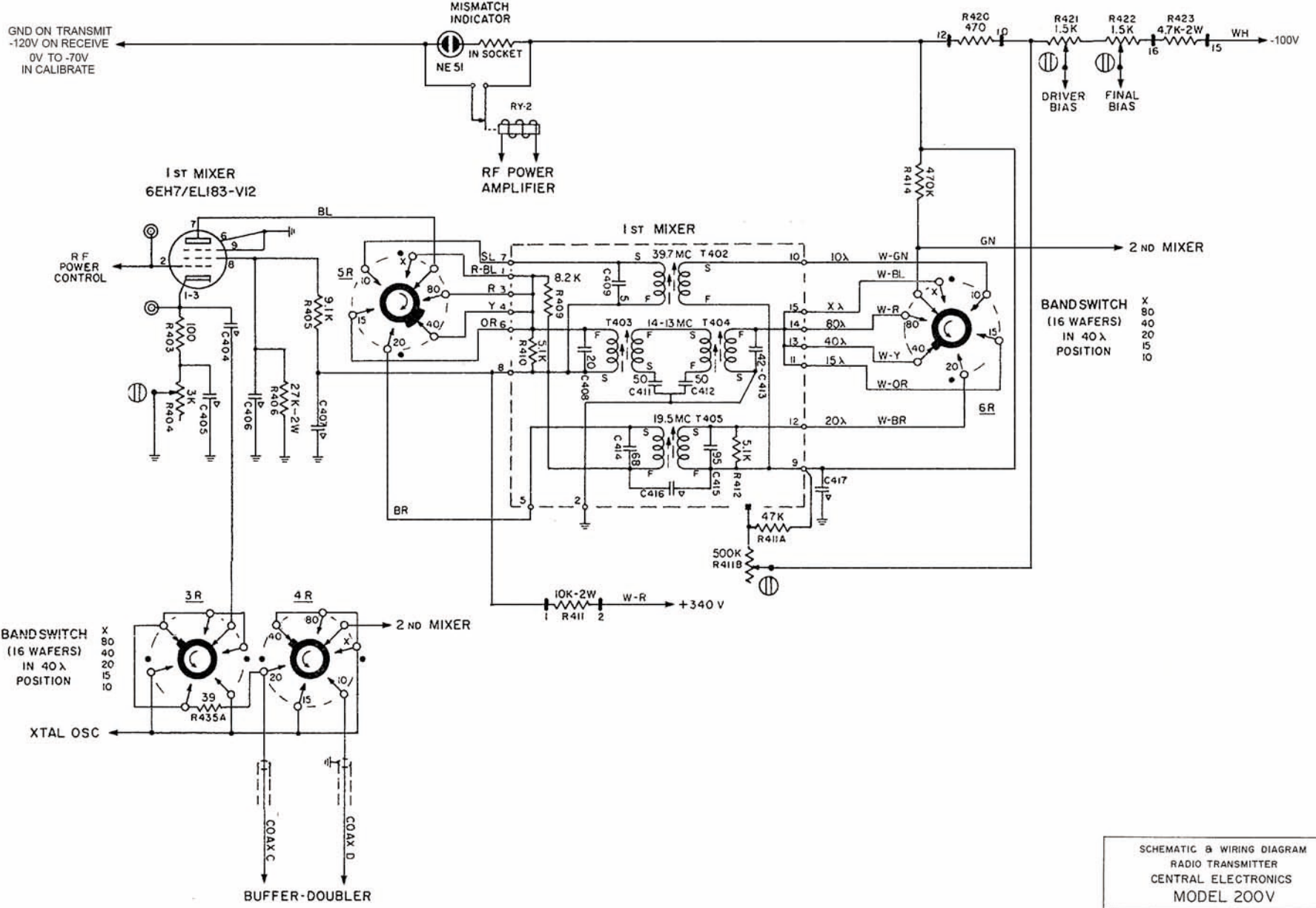
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

RF POWER CONTROL

(corrected from the original CE schematic)

▽ = .005 CERAMIC CAPACITOR

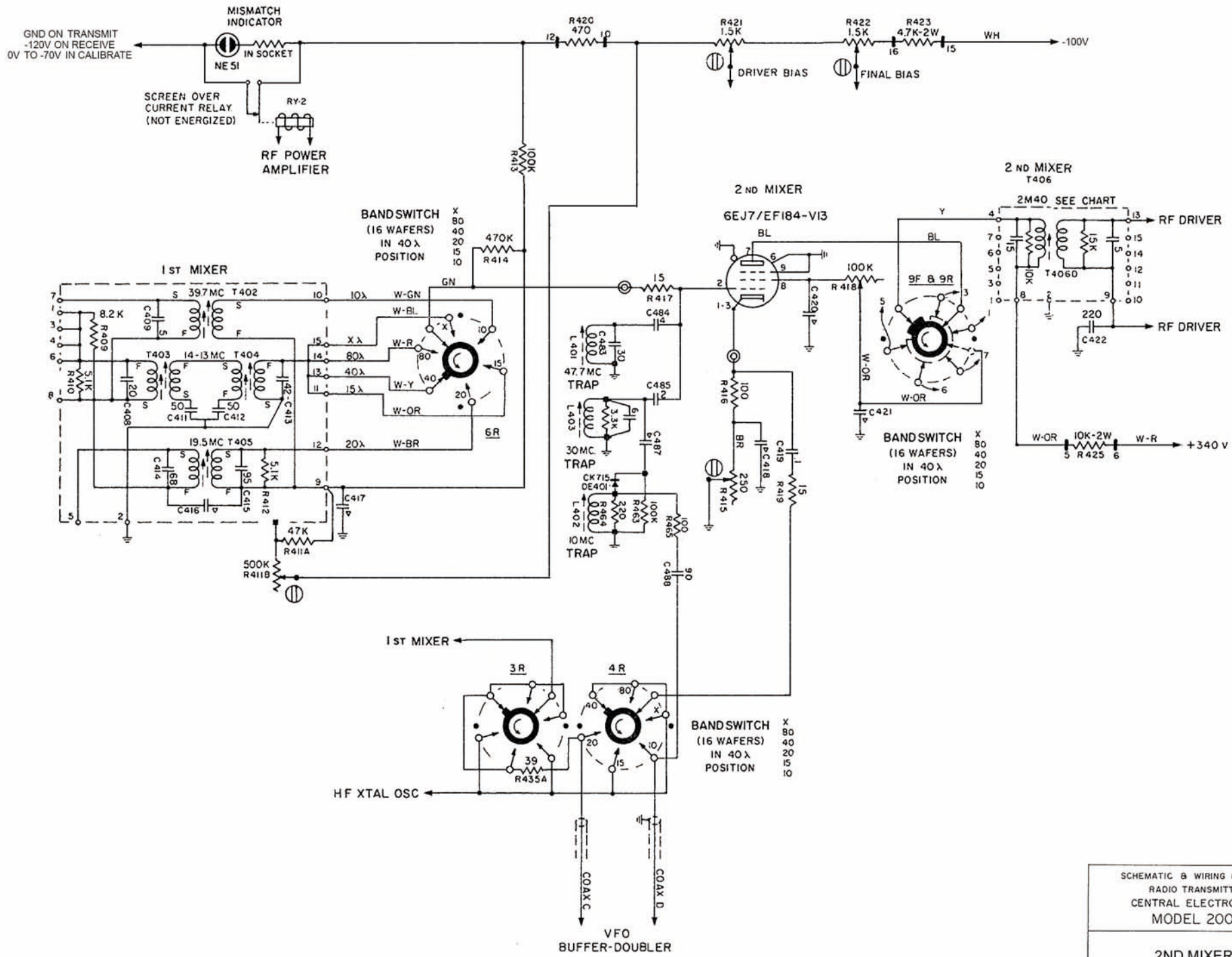
L CRANER WB6SSW 07 05-01-13



SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

**1ST MIXER**  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW	08	05-01-13
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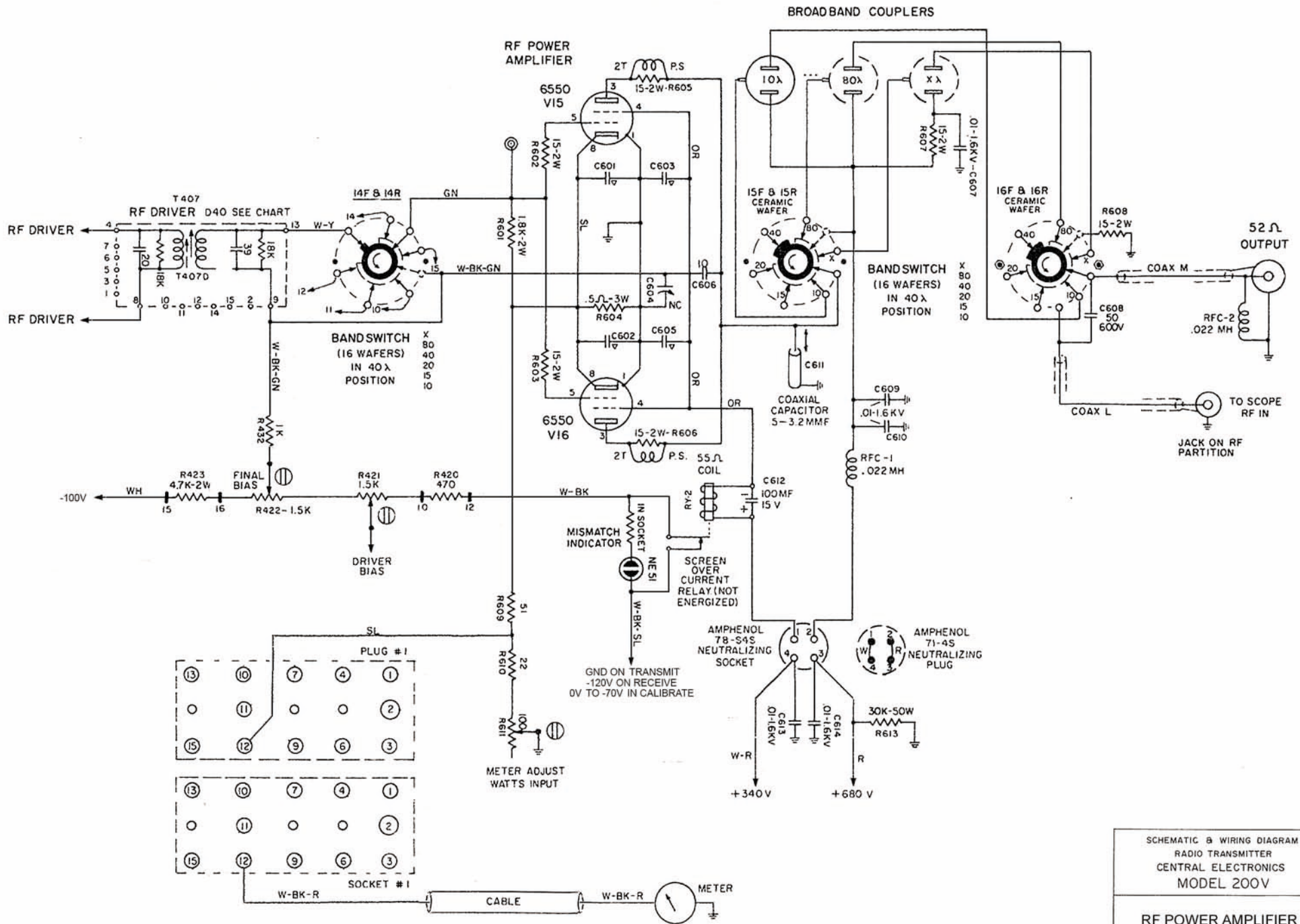


SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

**2ND MIXER**  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 09 05-01-13



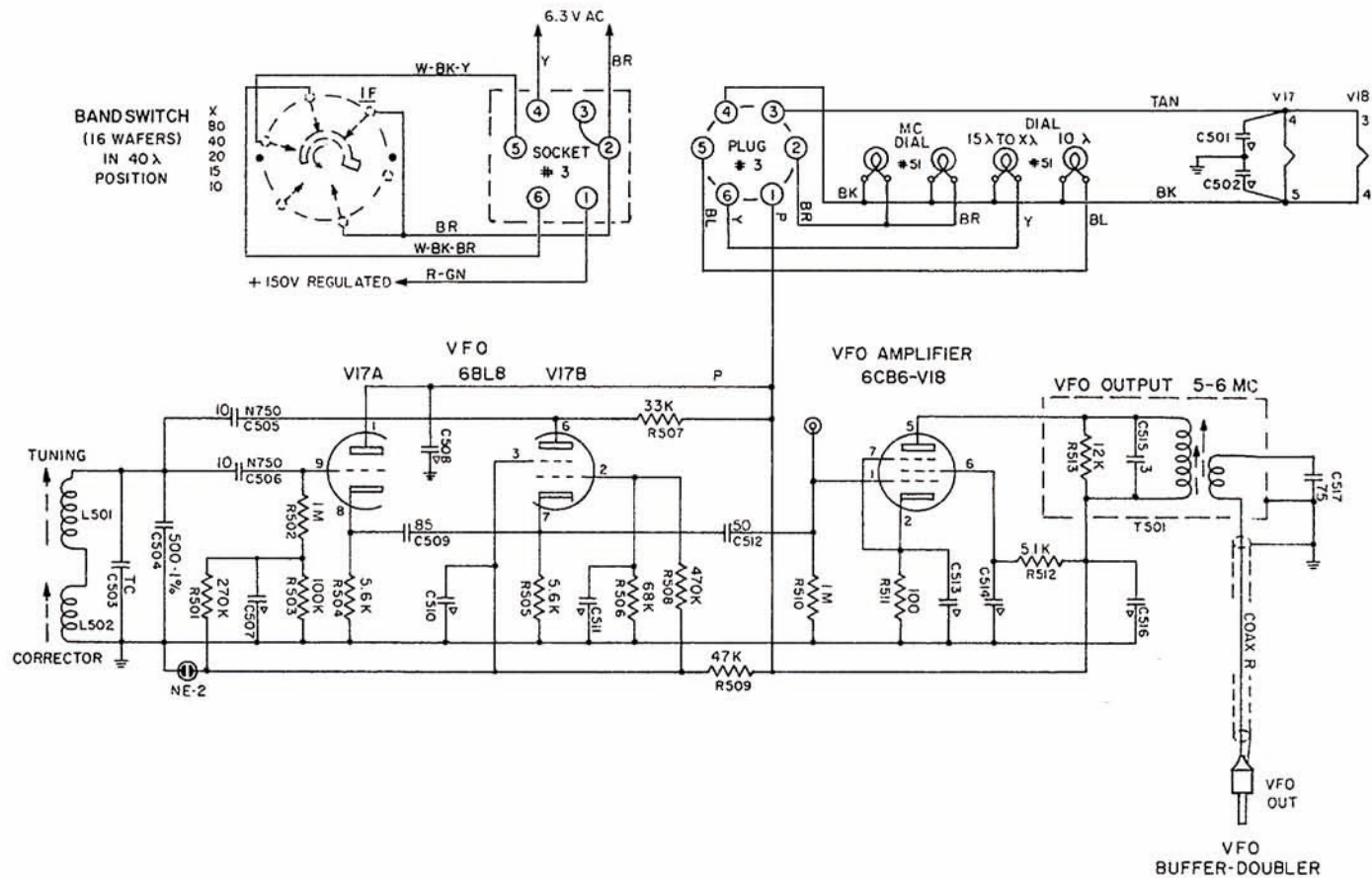


SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

**RF POWER AMPLIFIER**  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB8SSW 11 05-01-13

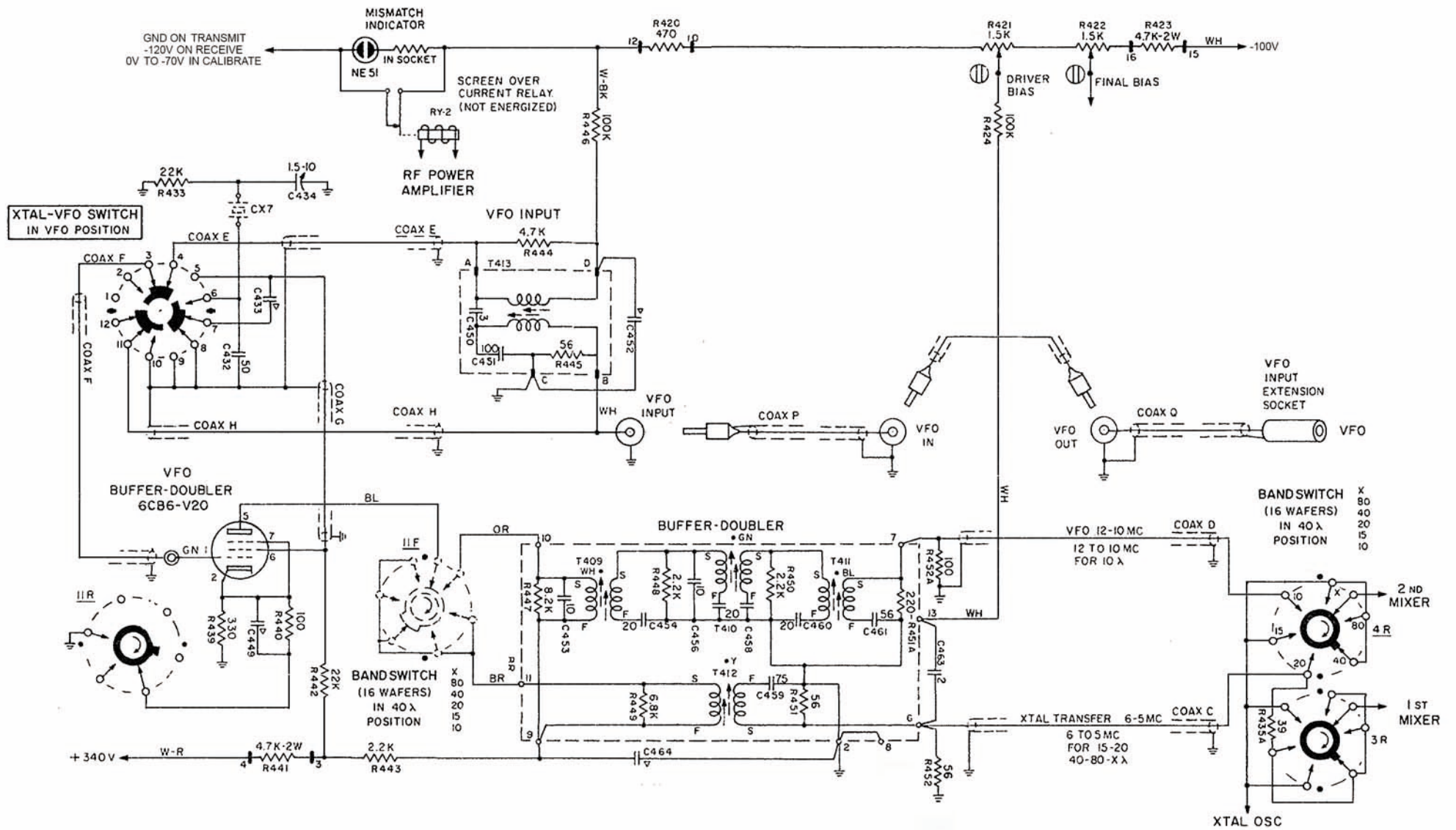




SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

VFO  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 13 05-01-13



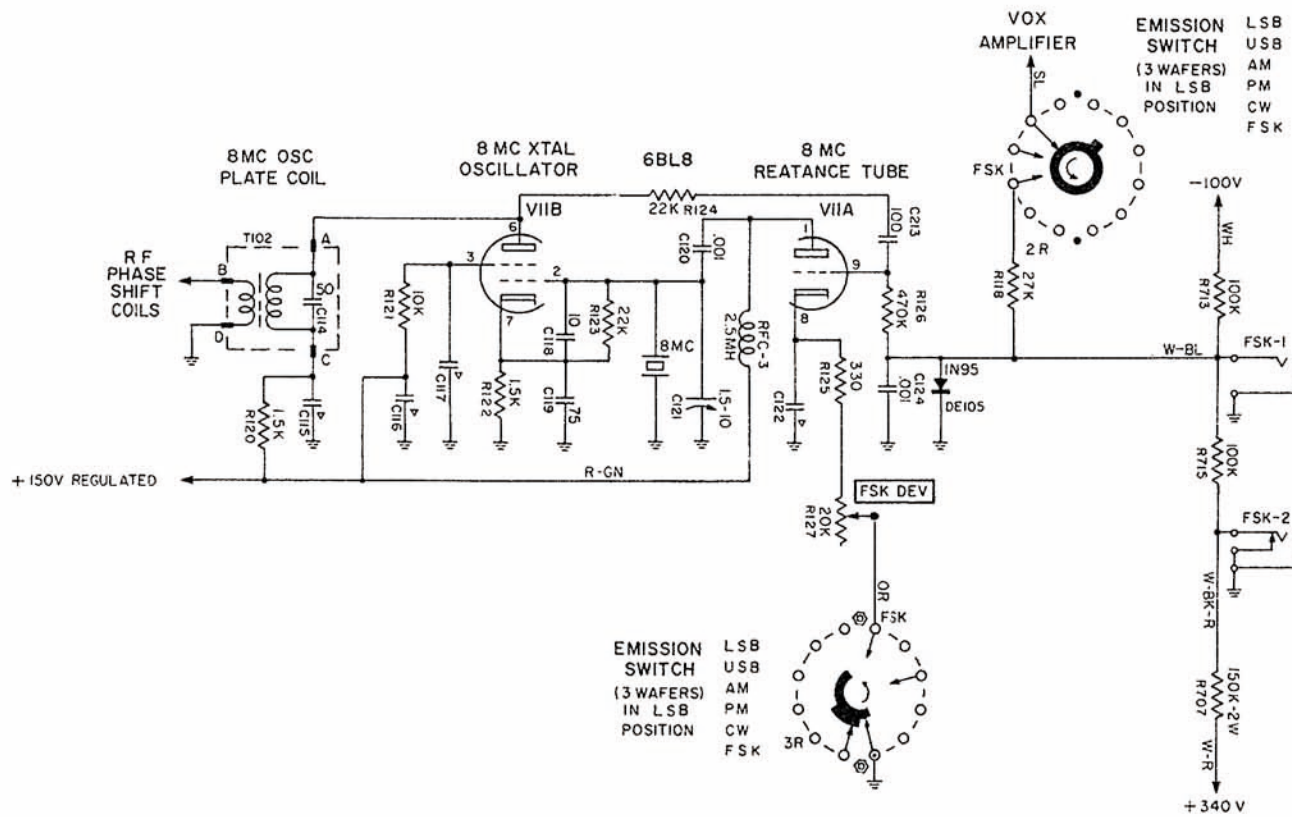
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

VFO BUFFER DOUBLER  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 14 05-01-13







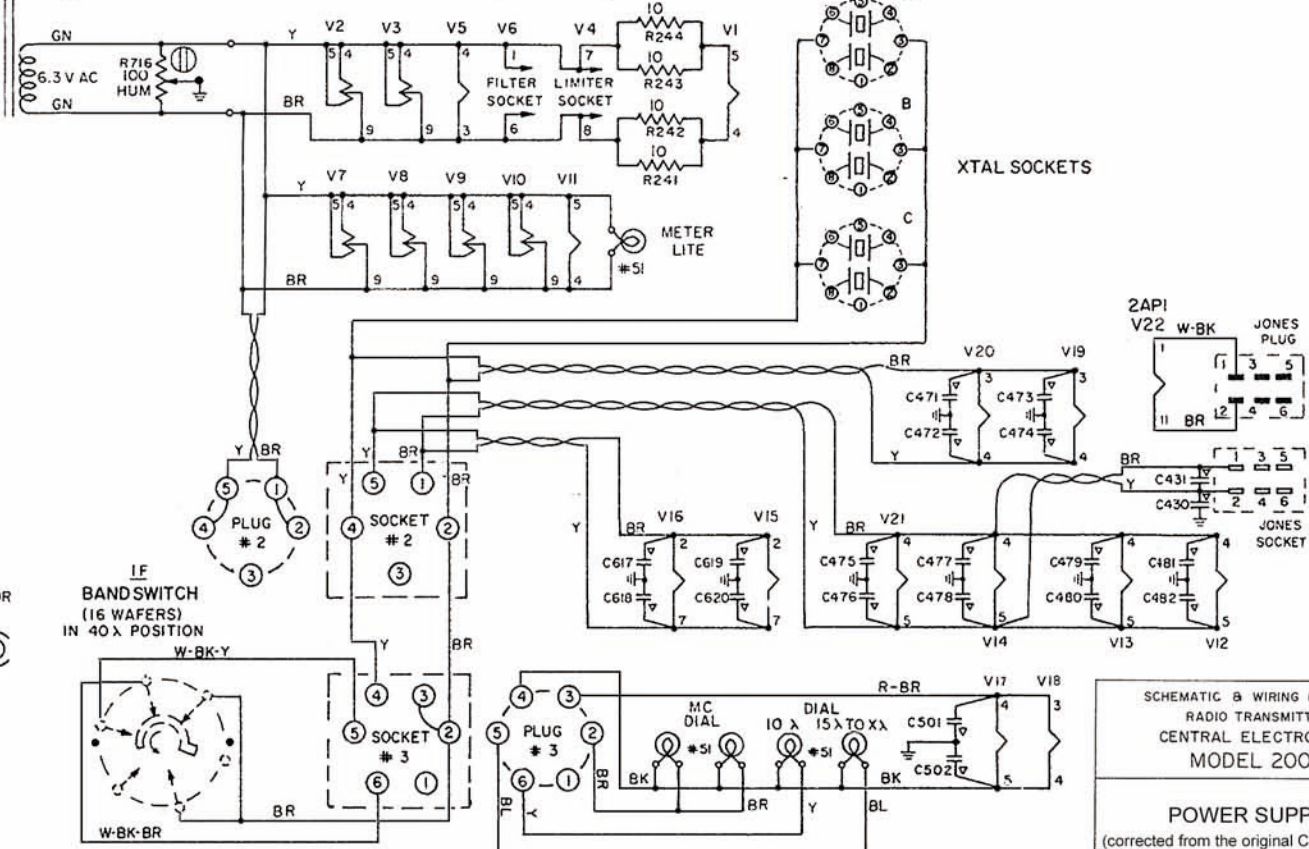
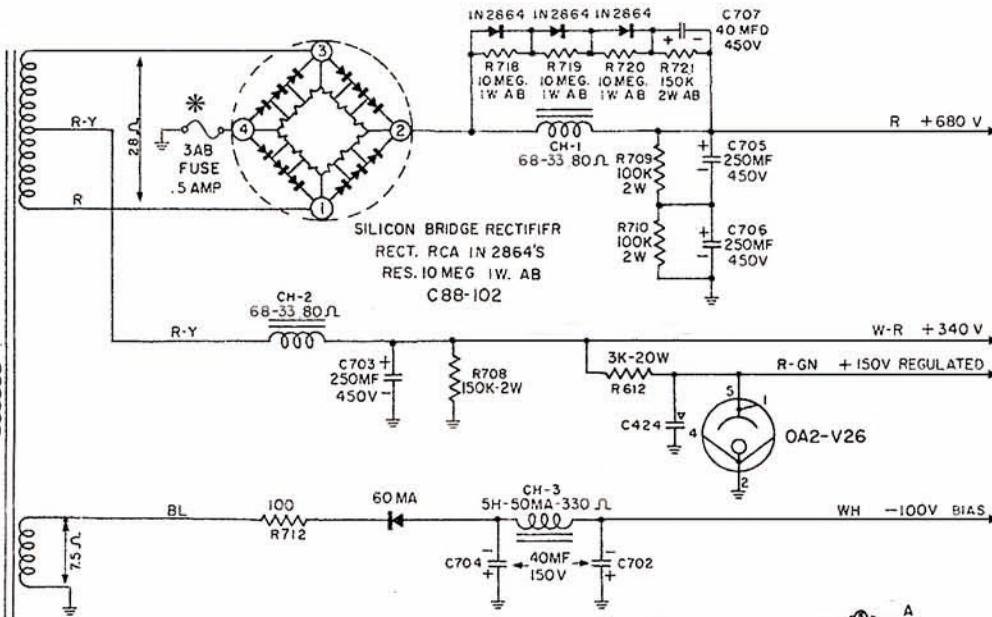
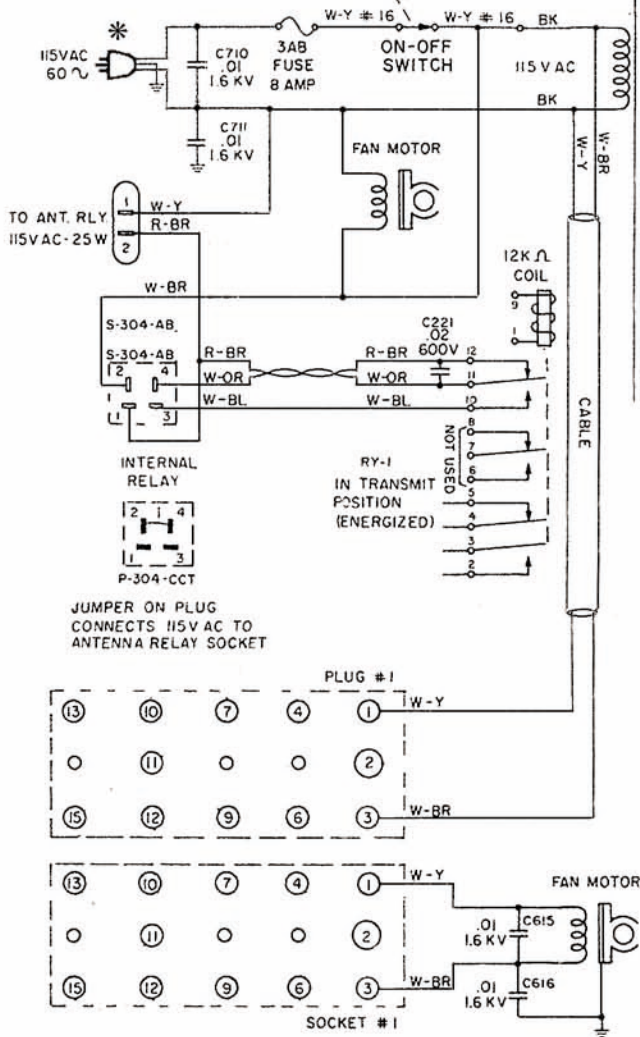
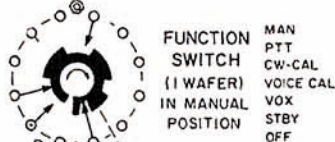
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

8 MC XTAL OSCILLATOR  
 (corrected from the original CE schematic)  
 ▽ = .005 CERAMIC CAPACITOR

L CRANER WB6SSW 16 05-01-13



\* THREE WIRE POWER CORD AND HV FUSE  
NOT PART OF ORIGINAL CE DESIGN



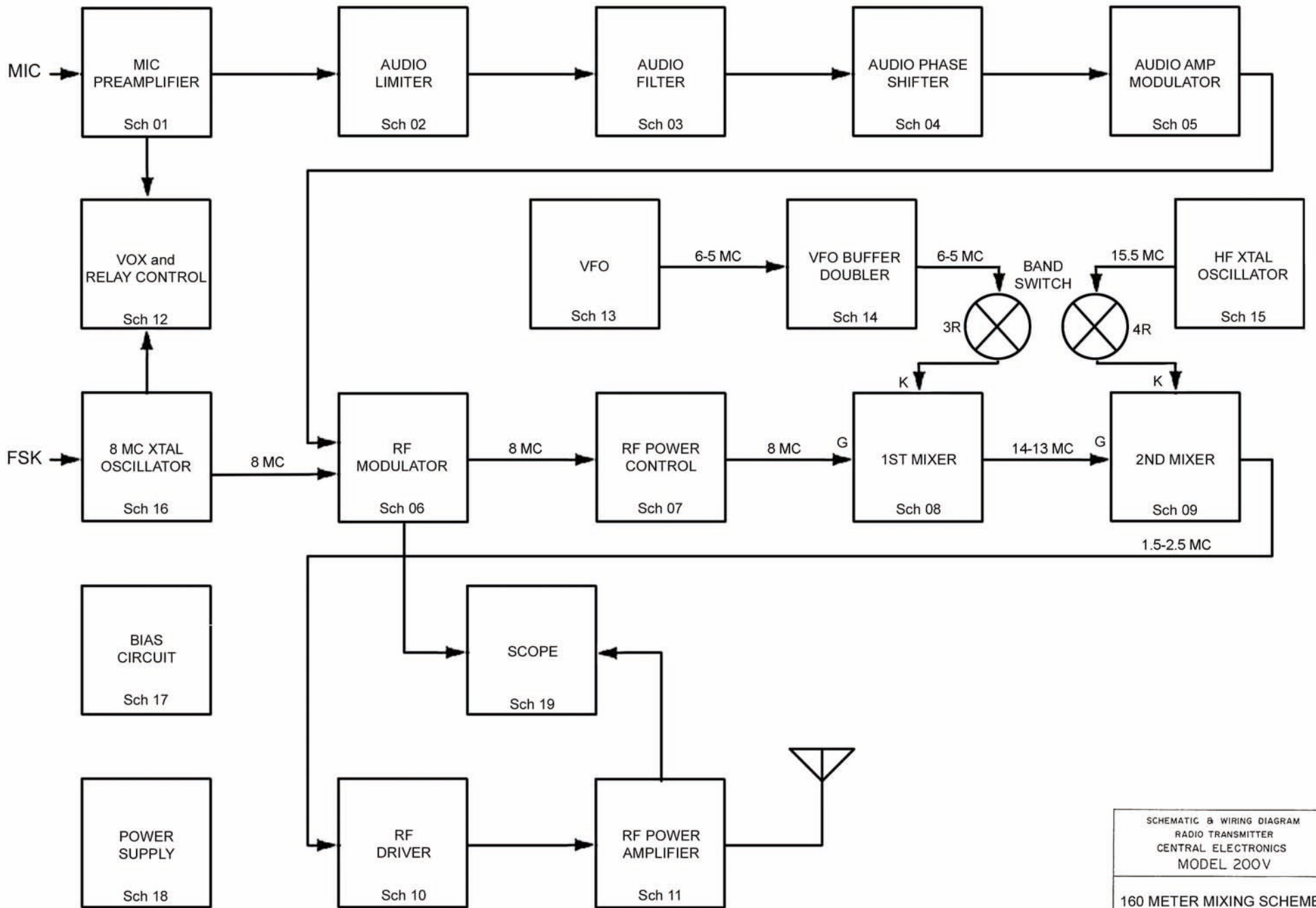
SCHMATIC B WIRING DIAGRAM  
RADIO TRANSMITTER  
CENTRAL ELECTRONICS  
MODEL 200V

POWER SUPPLY  
(corrected from the original CE schematic)

▽ = .005 CERAMIC CAPACITOR

L CRANER WB8SSW 18 05-01-13





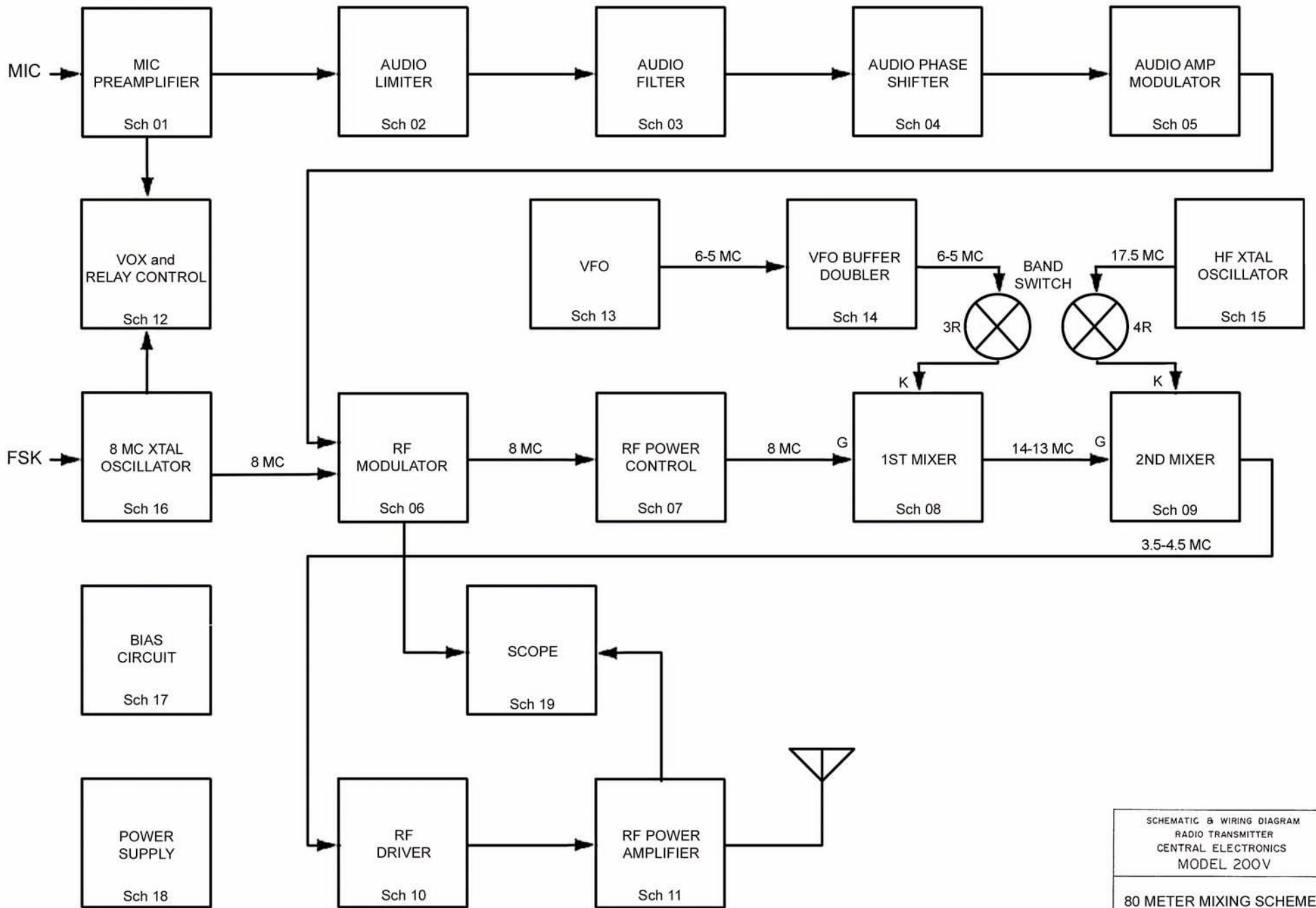
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

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160 METER MIXING SCHEME

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L CRANER WB6SSW | 05-01-13



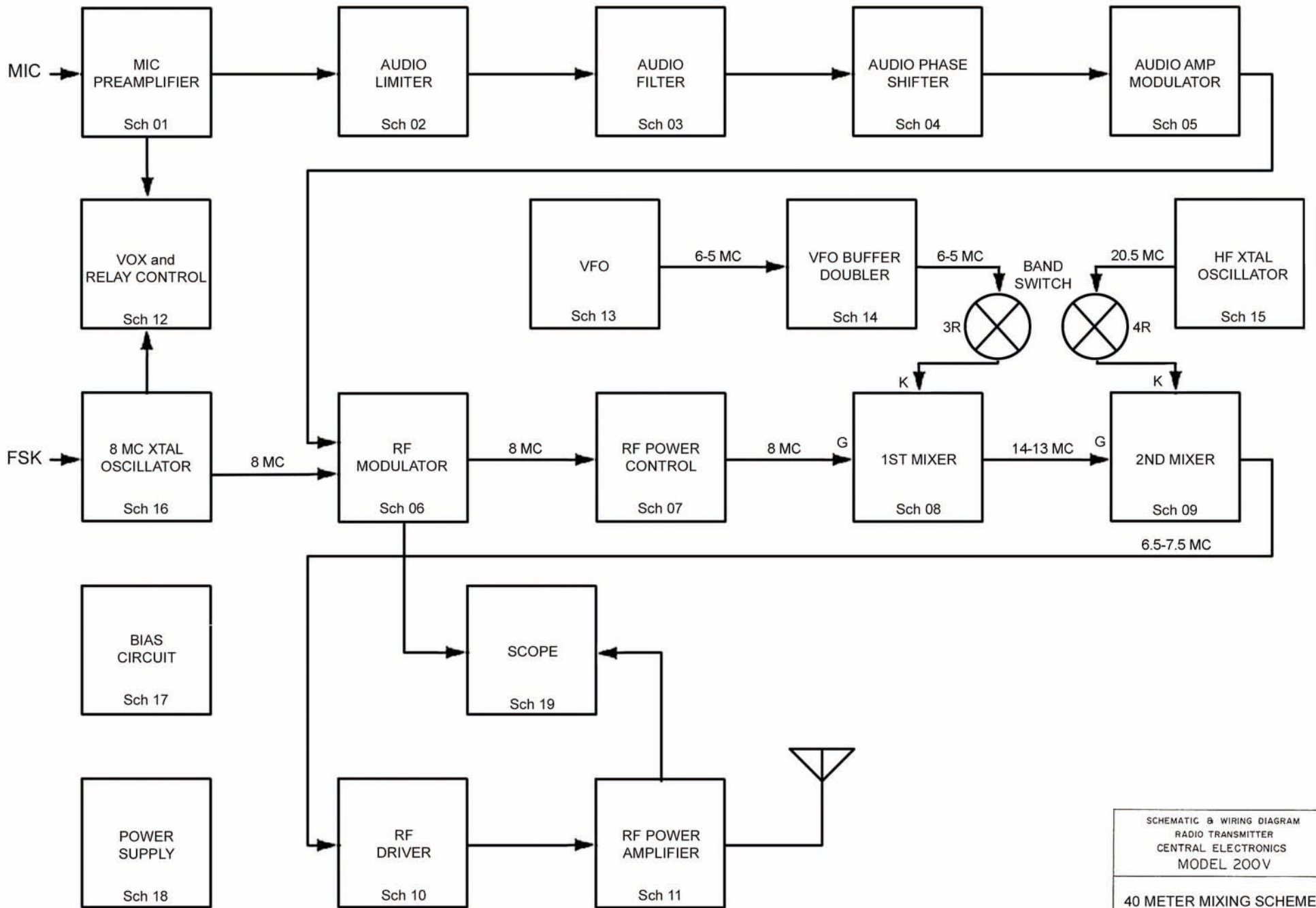
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

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80 METER MIXING SCHEME

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L CRANER WB6SSW      05-01-13



SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

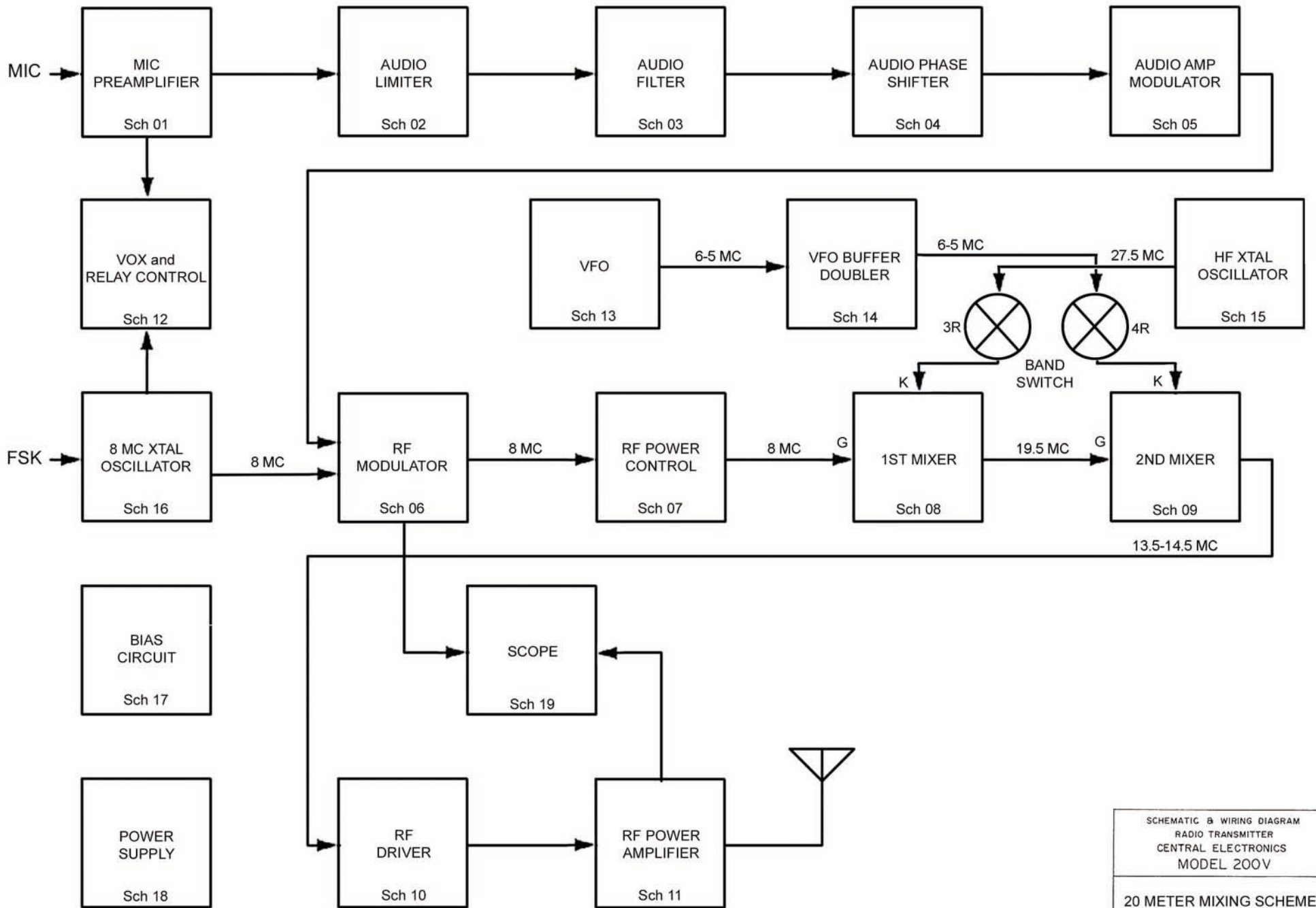
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40 METER MIXING SCHEME

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L CRANER WB6SSW | 05-01-13





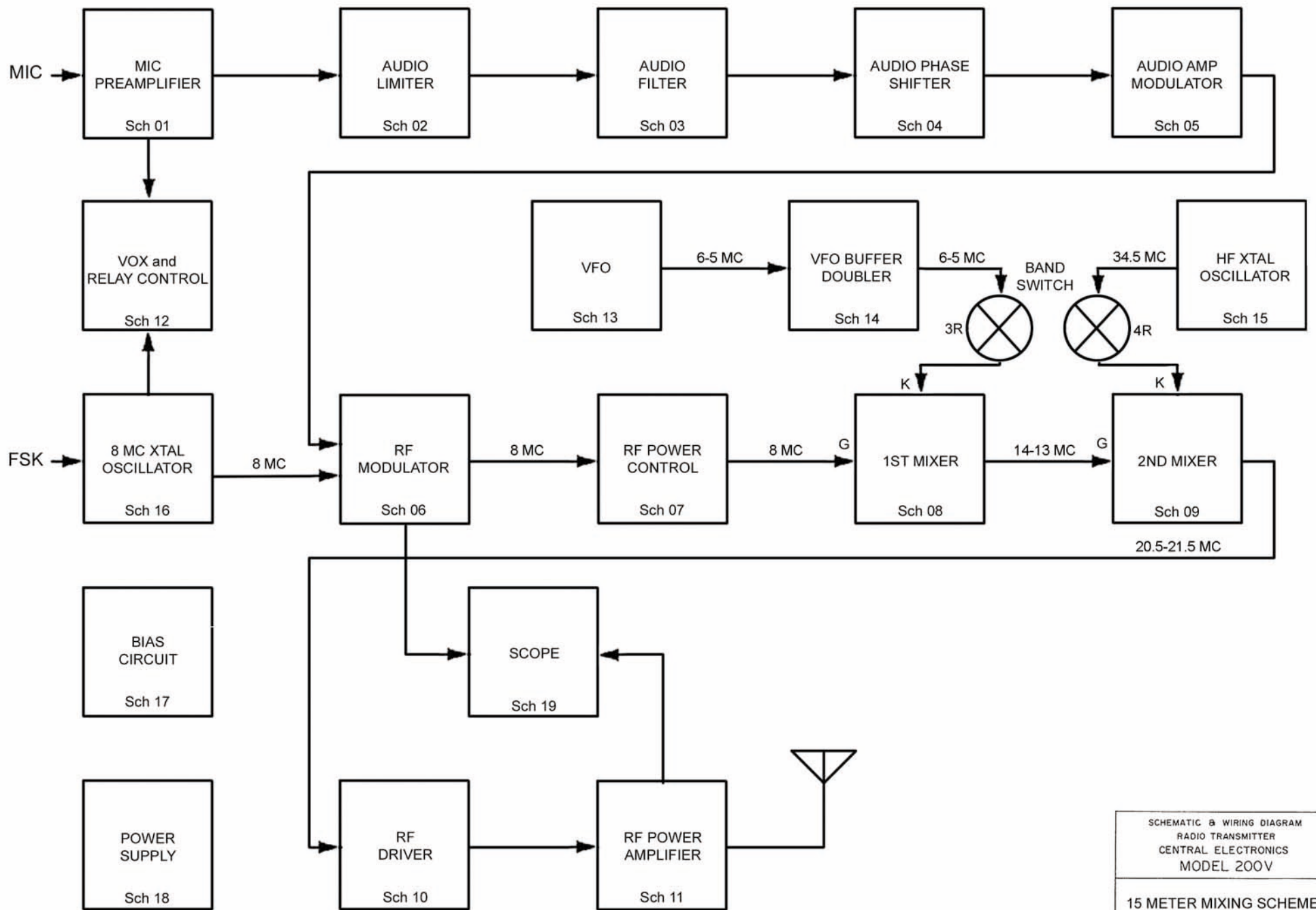
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

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20 METER MIXING SCHEME

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L CRANER WB6SSW      05-01-13



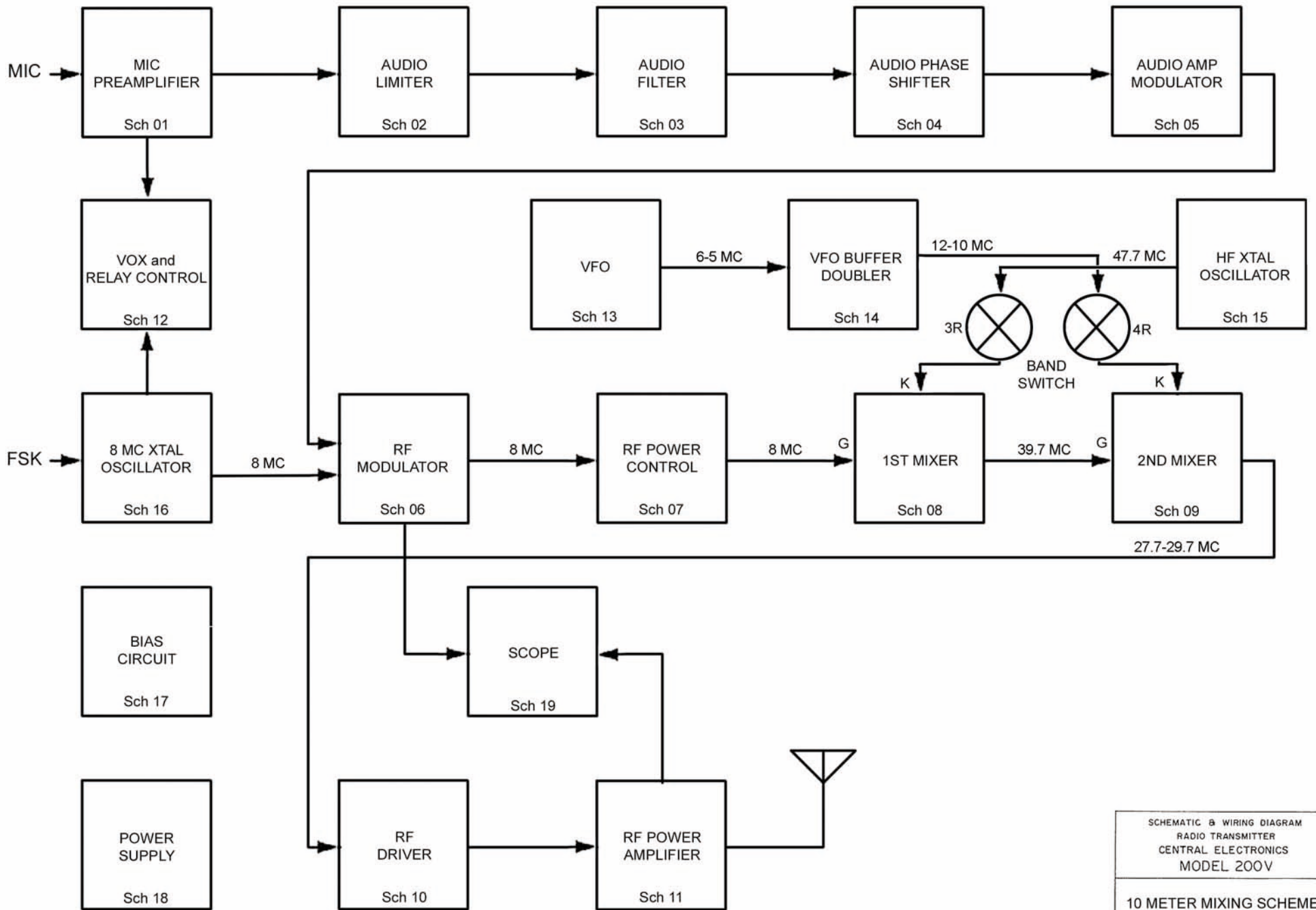
SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

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15 METER MIXING SCHEME

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L CRANER WB6SSW | 05-01-13



SCHEMATIC & WIRING DIAGRAM  
 RADIO TRANSMITTER  
 CENTRAL ELECTRONICS  
 MODEL 200V

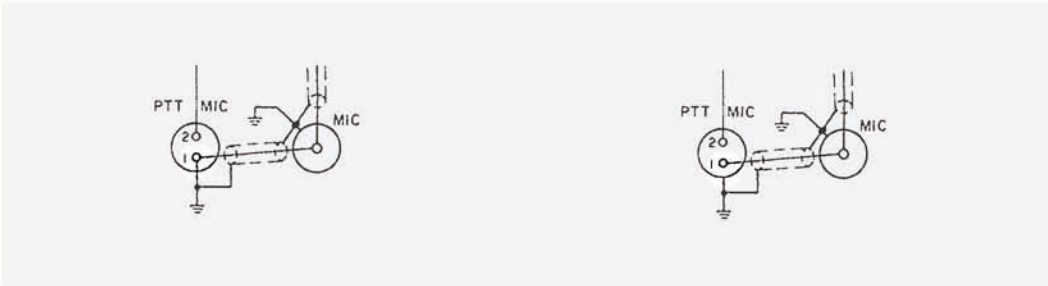
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10 METER MIXING SCHEME

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L CRANER WB6SSW | 05-01-13

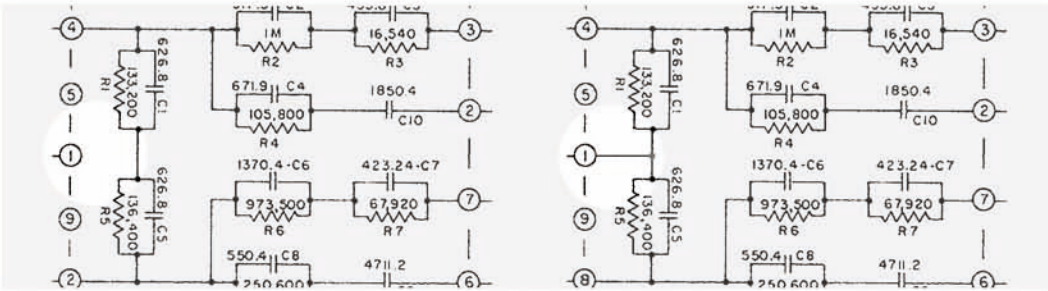
CORRECTIONS TO THE ORIGINAL 200V SCHEMATIC DATED 3-1-61 (SHEET 1 OF 2)



AS ORIGINALLY PUBLISHED

SCHEMATIC 01

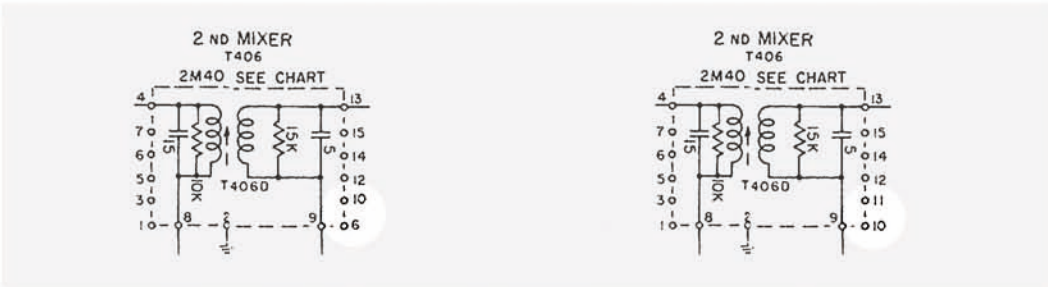
AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 04

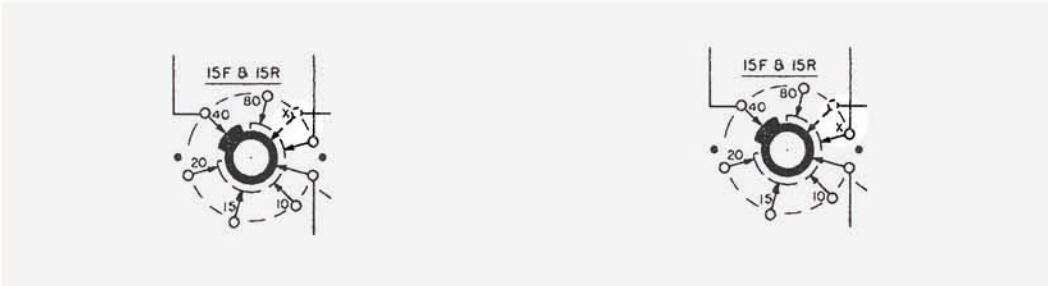
AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 09

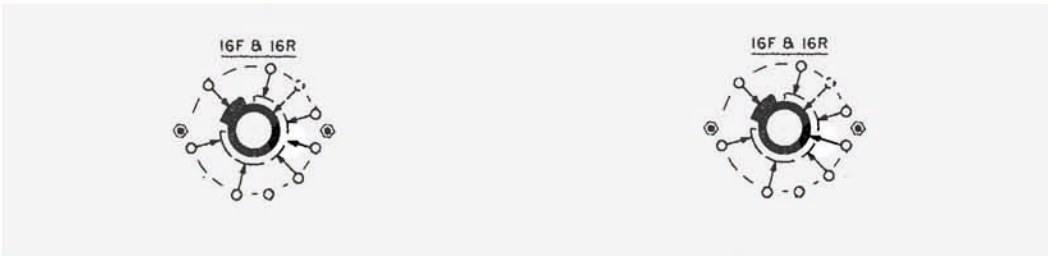
AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 11

AS WIRED

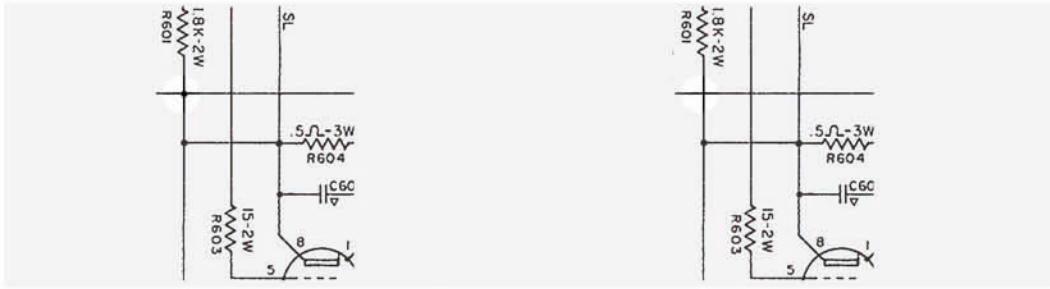


AS ORIGINALLY PUBLISHED

SCHEMATIC 11

AS WIRED

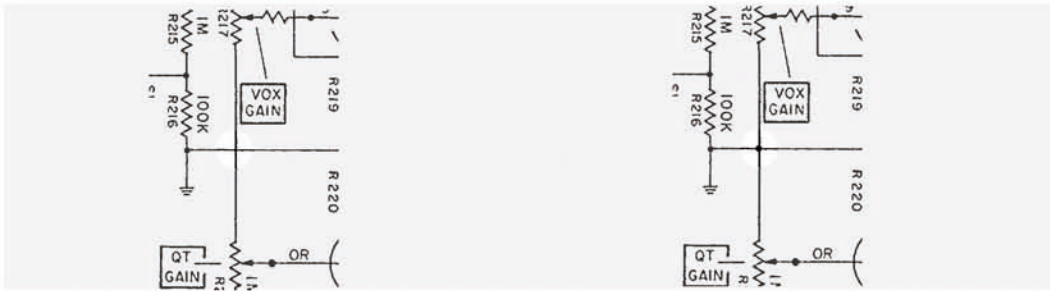
CORRECTIONS TO THE ORIGINAL 200V SCHEMATIC DATED 3-1-61 (SHEET 2 OF 2)



AS ORIGINALLY PUBLISHED

SCHEMATIC 11

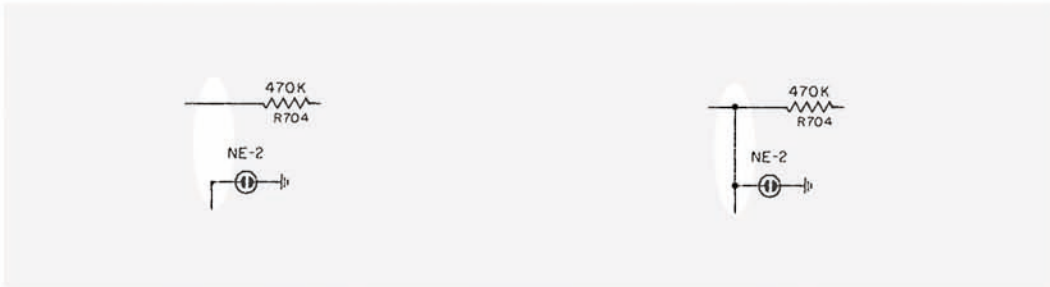
AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 12

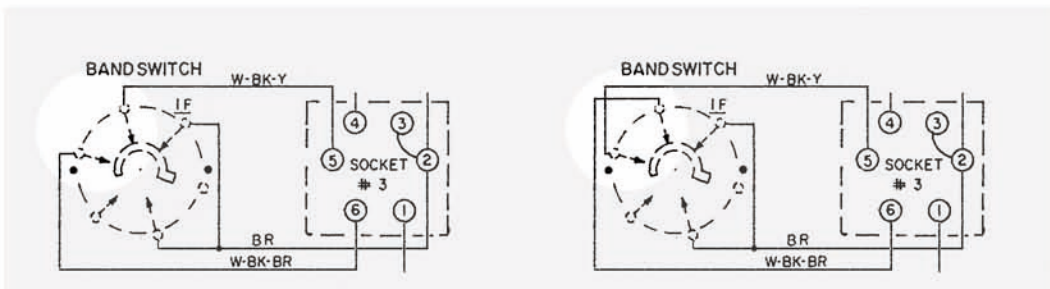
AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 17

AS WIRED



AS ORIGINALLY PUBLISHED

SCHEMATIC 18

AS WIRED

BAND SWITCH CIRCUITS:

Sections of the Band switch are used as follows:

- Sect. 1F. Lights the appropriate KC dial scale (sch 13).
- Sect. 1R. Selects appropriate HF crystal in the HF xtal  
Sect. 2F. oscillator circuit (sch 15).  
Sect. 2R.
- Sect. 3R. X/80/40/15m: Applies output of VFO (5-6 MC) to the  
Sect. 4R. 1<sup>st</sup> mixer cathode and output of HF xtal oscillator  
to the 2<sup>nd</sup> mixer cathode.  
20m: Applies output of VFO (5-6 MC) to the 2<sup>nd</sup>  
mixer cathode and output of HF xtal oscillator to  
the 1<sup>st</sup> mixer cathode.  
10m: Applies output of VFO doubler (12-14 MC)  
signal to the 2<sup>nd</sup> mixer cathode and output of HF  
xtal oscillator to the 1<sup>st</sup> mixer cathode.  
(sch's 08, 09, 14, 15).
- Sect. 5R. Applies output of 1<sup>st</sup> mixer to appropriate coil  
input of the 1<sup>st</sup> mixer coil set (sch 08).
- Sect. 6R. Applies output of 1<sup>st</sup> mixer coil set to 2<sup>nd</sup> mixer  
grid (sch 08).
- Sect. 7F. Applies output of xtal oscillator to appropriate  
Sect. 7R. coil of the xtal osc coil set (sch 15).
- Sect. 8F. Applies output of xtal osc coil set to  
Sect. 8R. either the 1<sup>st</sup> or 2<sup>nd</sup> mixer, depending upon the  
band (sch 15).
- Sect. 9F. Applies output of 2<sup>nd</sup> mixer to appropriate coil  
Sect. 9R. of the 2<sup>nd</sup> mixer coil set (sch 09).
- Sect. 10F. Applies output of 2<sup>nd</sup> mixer coil set to RF driver  
Sect. 10R. grid (sch 10).
- Sect. 11F. Applies output of VFO buffer-doubler to  
appropriate coil of the buffer-doubler coil set  
(sch 14).
- Sect. 11R. Turns on the VFO doubler on 10m (sch 14).

Sect. 12F. Applies negative bias voltage on receive to cutoff the 1<sup>st</sup> mixer, via T401 the SB Gen to Mixer xfmr secondary, when in x/80/40/15m position (sch 07).

Sect. 13F. Applies output of driver to appropriate coil  
Sect. 13R. of the driver coil set (sch 10).

Sect. 14F. Applies output of driver coil set to RF power amp  
Sect. 14R. grids (sch 11).

Sect. 15F. Applies output of RF power amp to broadband  
Sect. 15R. couplers (sch 11).

Sect. 16F. Applies output of broadband couplers to antenna  
Sect. 16R. terminal (sch 11).