

VIA
1/2 6BA6
SPEECH
AMPLIFIER

V1B
1/2 6BA6
CATHODE
FOLLOWER

V2
6AU6
AUDIO
ISOLATION
AMPLIFIER

V16A
12AU7
CARRIER
OSC

V16B
12AU7
CARRIER
OSC

V17A
1/2 12AT7
VOX
AMPLIFIER

V17B
1/2 6BA6
RELAY
AMPLIFIER

V14B
1/2 6CW6
ALEDC
POWER
AMPLIFIER

V15A
1/2 6BA6
TONE
OSCILLATOR

V18
6X4

POWER PLUG
(VIEW FROM
FRONT SIDE)

MIC./CW
LEVEL

CARRIER
NULL
CONTROL

CARRIER
NULL
CAPACITOR

MODE
2F

MODE
TR

MODE
2F

FUNCTION

MODE
2F

MODE
IF

MIC./CW
LEVEL

MODE
IF

MODE
IF

MODE
2F

MODE
2F

PWR. ON-OFF
(ON OF GAIN)

S.P. SPEAKER

PHONES

CW KEY

TO V17B
CALIBRATOR

MODE
TR

MODE
2F

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S.P. SPEAKER

PHONES

CW KEY

TO V17B
CALIBRATOR

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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CALIBRATOR

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S.P. SPEAKER

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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S.P. SPEAKER

PHONES

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FUNCTION

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S.P. SPEAKER

PHONES

CW KEY

TO V17B
CALIBRATOR

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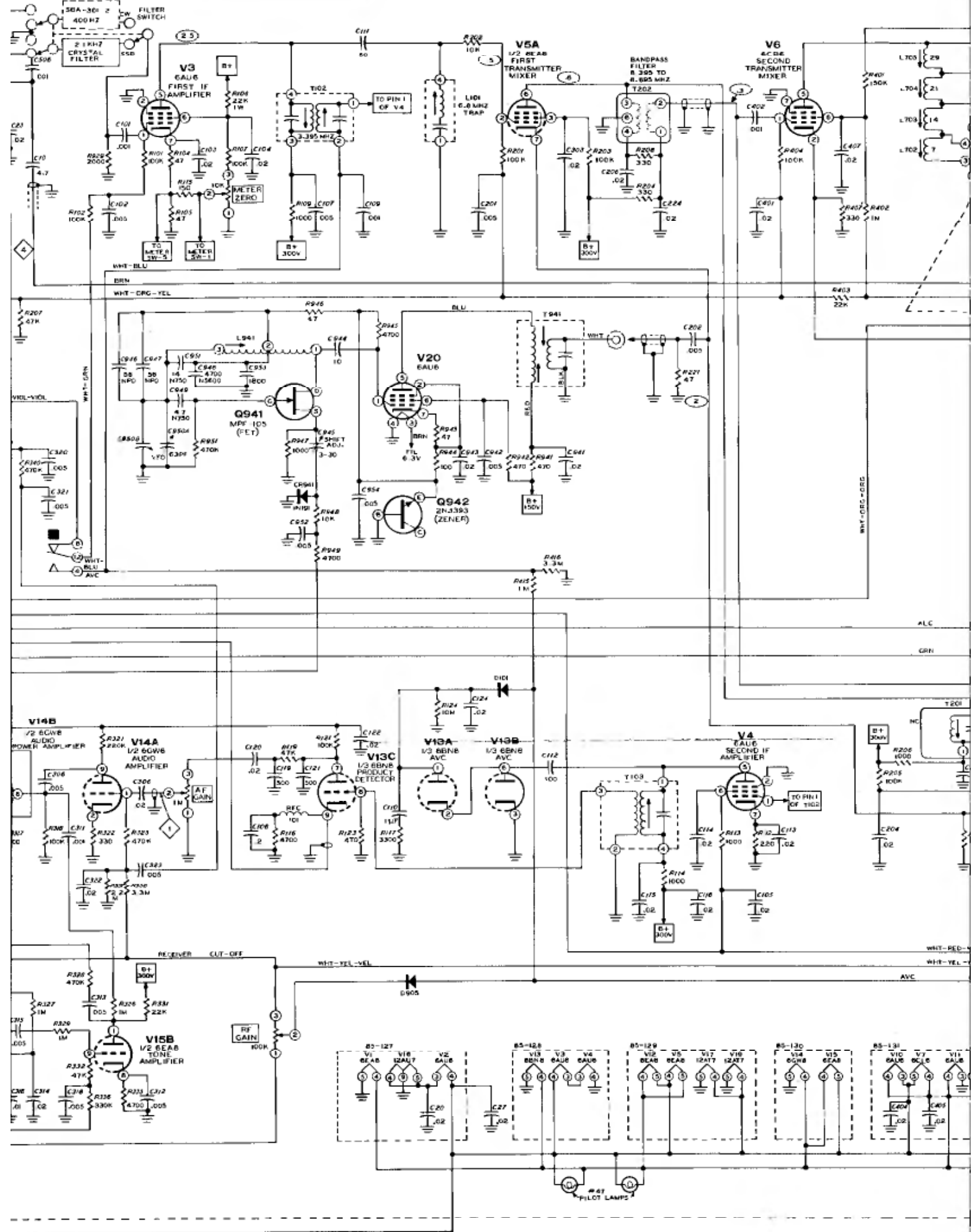
MODE
2F

MODE
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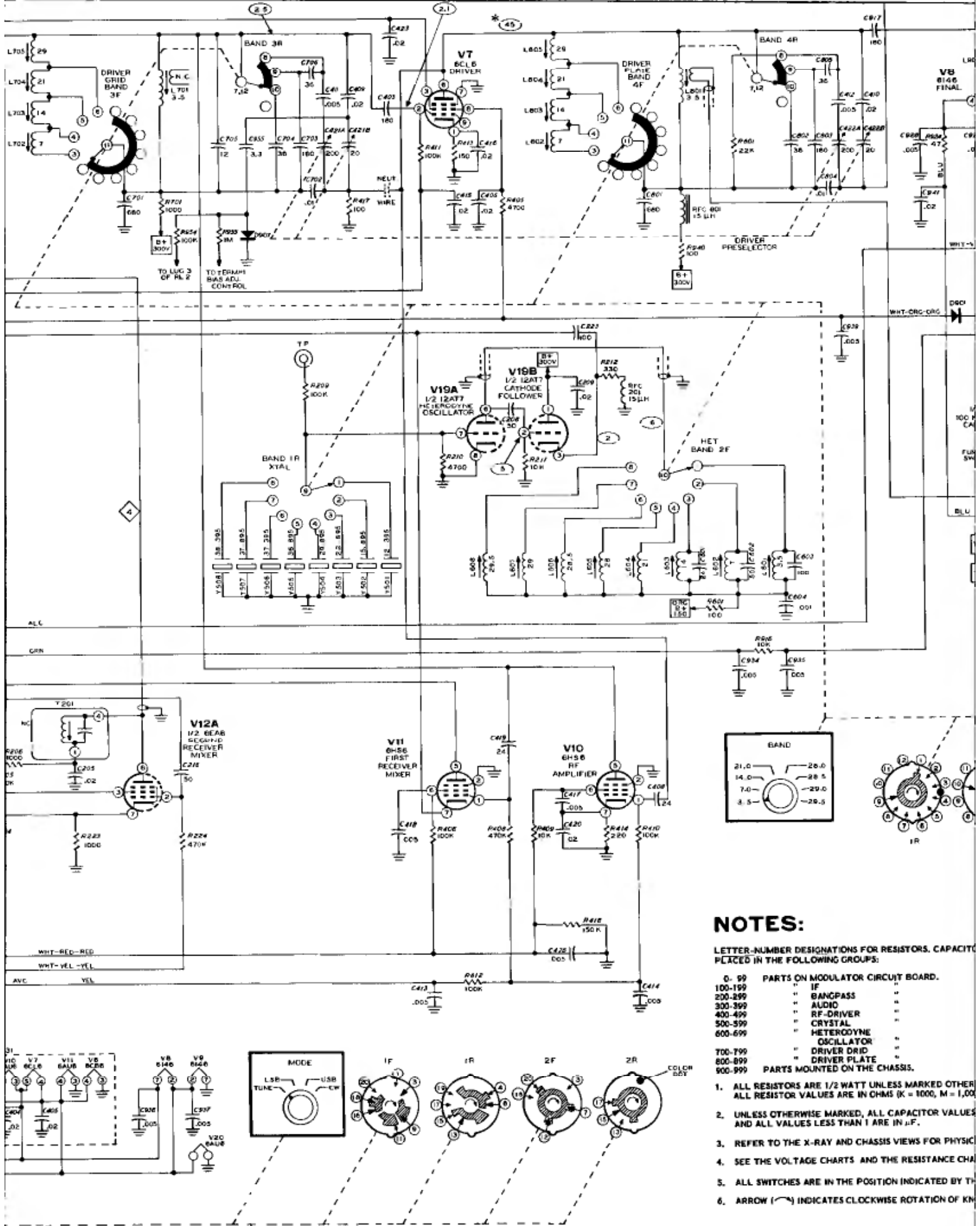
MODE
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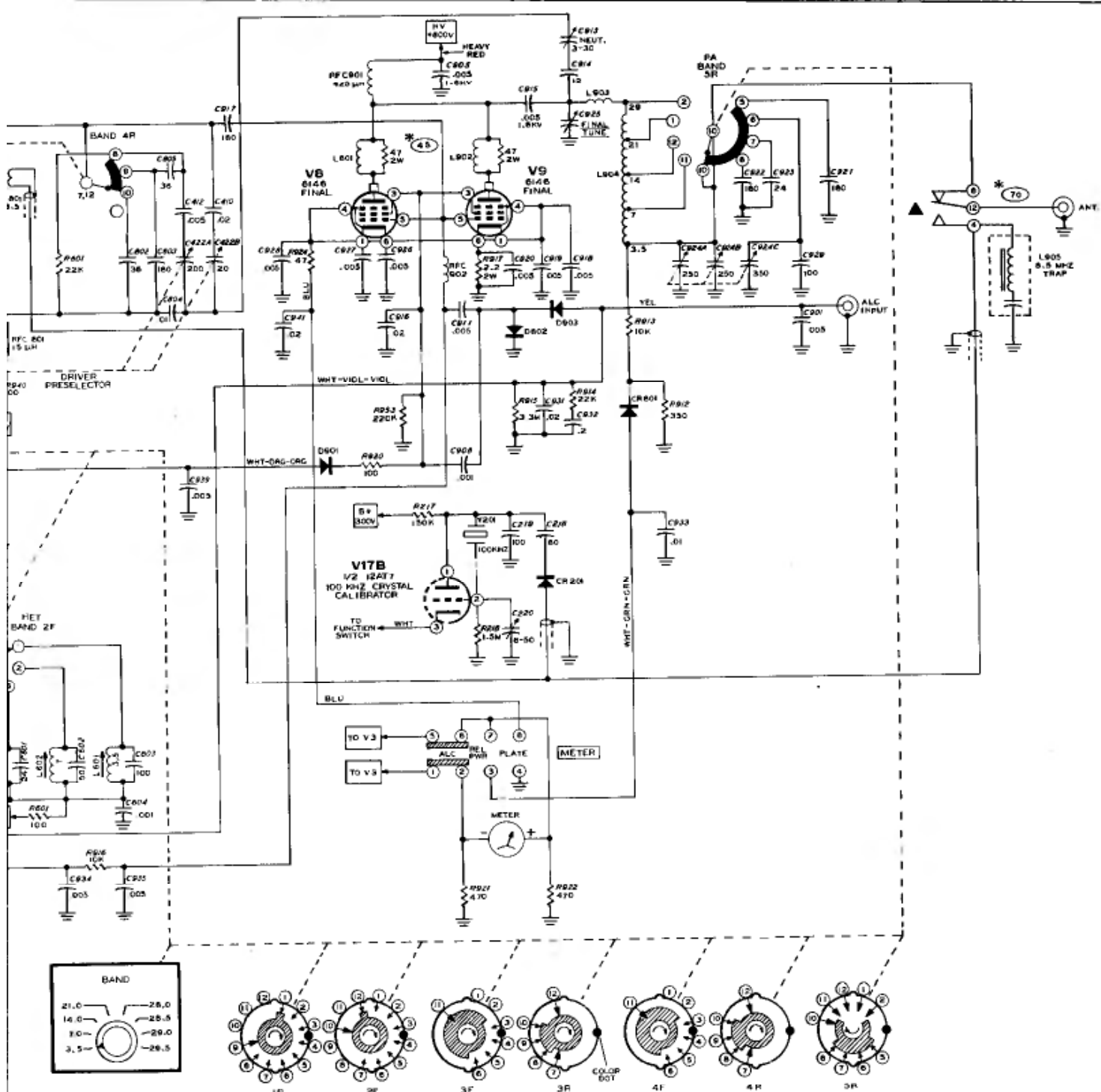


NOTES:

LETTER-NUMBER DESIGNATIONS FOR RESISTORS, CAPACITORS PLACED IN THE FOLLOWING GROUPS:

- | | |
|---------|-----------------------------------|
| 0-99 | PARTS ON MODULATOR CIRCUIT BOARD. |
| 100-199 | " IF |
| 200-299 | " BANGPASS |
| 300-399 | " AUDIO |
| 400-499 | " RF-DRIVER |
| 500-599 | " CRYSTAL |
| 600-699 | " HETERODYNE |
| 700-799 | " OSCILLATOR |
| 800-899 | " DRIVER GRID |
| 900-999 | " DRIVER PLATE |
| 900-999 | PARTS MOUNTED ON THE CHASSIS. |

- ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHER ALL RESISTOR VALUES ARE IN OHMS (K = 1000, M = 1,000,000)
- UNLESS OTHERWISE MARKED, ALL CAPACITOR VALUES AND ALL VALUES LESS THAN 1 ARE IN μ F.
- REFER TO THE X-RAY AND CHASSIS VIEWS FOR PHYSICAL PLACEMENT.
- SEE THE VOLTAGE CHARTS AND THE RESISTANCE CHARTS FOR VOLTAGE AND RESISTANCE VALUES.
- ALL SWITCHES ARE IN THE POSITION INDICATED BY THE X-RAY AND CHASSIS VIEWS.
- ARROW \curvearrowright INDICATES CLOCKWISE ROTATION OF KNOBS.



NOTES:

LETTER-NUMBER DESIGNATIONS FOR RESISTORS, CAPACITORS, ETC., HAVE BEEN PLACED IN THE FOLLOWING GROUPS:

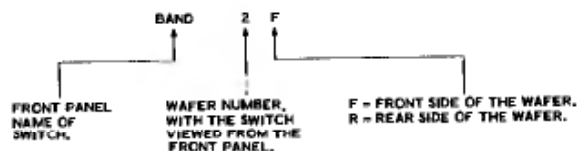
0-99	PARTS ON MODULATOR CIRCUIT BOARD.
100-199	" IF "
200-299	" BANDPASS "
300-399	" AUDIO "
400-499	" RF-DRIVER "
500-599	" CRYSTAL "
600-699	" HETERODYNE "
700-799	" OSCILLATOR "
800-899	" DRIVER GRID "
900-999	" DRIVER PLATE "
1000-9999	PARTS MOUNTED ON THE CHASSIS.

- ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. ALL RESISTOR VALUES ARE IN OHMS (K = 1000, M = 1,000,000).
- UNLESS OTHERWISE MARKED, ALL CAPACITOR VALUES OF 1 OR OVER ARE IN pF. AND ALL VALUES LESS THAN 1 ARE IN μF.
- REFER TO THE X-RAY AND CHASSIS VIEWS FOR PHYSICAL LOCATION OF PARTS.
- SEE THE VOLTAGE CHARTS AND THE RESISTANCE CHART FOR ALL MEASUREMENTS.
- ALL SWITCHES ARE IN THE POSITION INDICATED BY THE KNOB POINTERS.
- ARROW (↻) INDICATES CLOCKWISE ROTATION OF KNOB (VIEWED FROM KNOB END).

- ◇ NUMBERED COAXIAL CABLE.
- INDICATES RF VOLTAGE WITH CONTROLS SET PER FIGURE 1-21.
- ALL RELAY CONTACTS SHOWN IN TRANSMIT (TUNE) POSITION.
- MIC/CW LEVEL IS A DUAL CONTROL.
- FOR GREATER CLARITY, RELAY SECTIONS ARE SHOWN CLOSEST TO THE CIRCUITS IN WHICH THEY ARE USED. ONE OF THE FOLLOWING MARKS IS USED TO IDENTIFY THE SEPARATED SECTION OF THE RELAYS:

▲ = PART OF RELAY RL1
 ■ = PART OF RELAY RL2

- SWITCH WAFERS ARE IDENTIFIED AS IN THE FOLLOWING EXAMPLE:



* VOLTAGE IS BEYOND THE RANGE OF THE HEATHKIT RF PROBE.