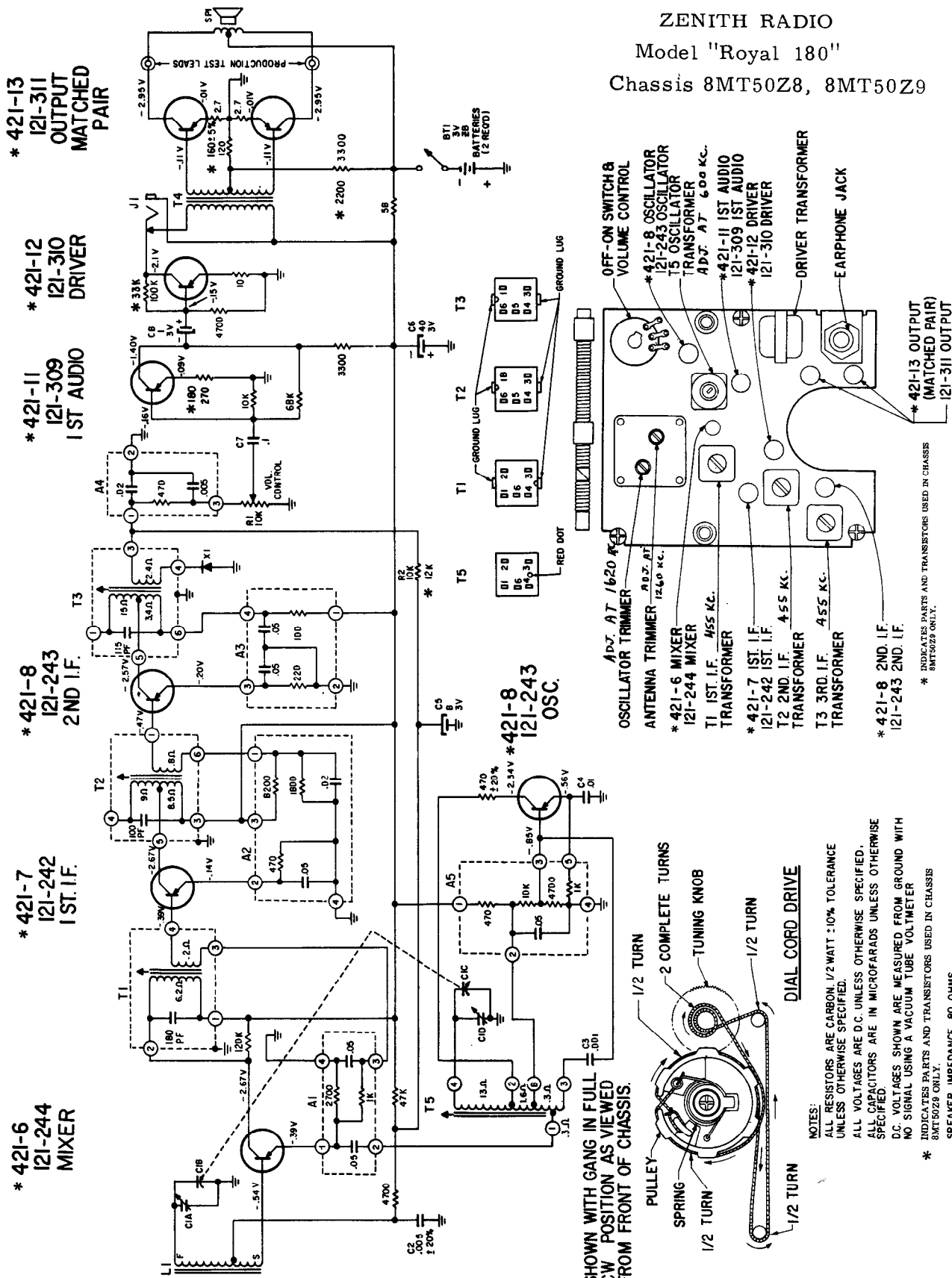


ZENITH RADIO

Model "Royal 180"

Chassis 8MT50Z8, 8MT50Z9



* 421-13
12I-31I
OUTPUT
MATCHED
PAIR

* 421-12
12I-310
DRIVER

* 421-11
12I-309
1ST AUDIO

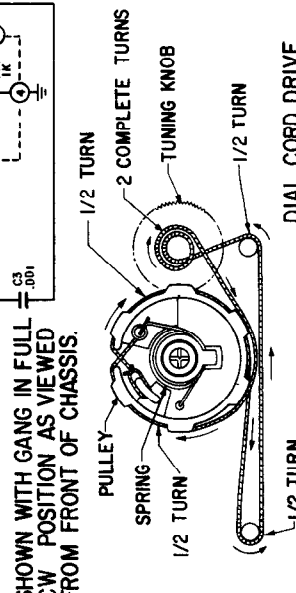
* 421-8
12I-243
2ND I.F.

* 421-7
12I-242
1ST I.F.

* 421-6
12I-244
MIXER

* 421-8
12I-243
OSC.

- OFF-ON SWITCH & VOLUME CONTROL
- * 421-8 OSCILLATOR 12I-243 OSCILLATOR T5 OSCILLATOR TRANSFORMER ADJ. AT 600 KC.
- * 421-11 1ST AUDIO 12I-309 1ST AUDIO TRANSFORMER
- * 421-12 DRIVER 12I-310 DRIVER DRIVER TRANSFORMER
- EARPHONE JACK
- * 421-13 OUTPUT (MATCHED PAIR) 12I-31I OUTPUT
- ADJ. AT 1620 KC. OSCILLATOR TRIMMER
- ANTENNA TRIMMER ADJ. AT 1260 KC. T5
- * 421-6 MIXER 12I-244 MIXER T1 1ST I.F. 455 KC. TRANSFORMER
- * 421-7 1ST I.F. 12I-242 1ST I.F. TRANSFORMER
- T2 2ND I.F. 455 KC. TRANSFORMER
- T3 3RD I.F. 455 KC. TRANSFORMER
- * 421-8 2ND I.F. 12I-243 2ND I.F.



SHOWN WITH GANG IN FULL CW POSITION AS VIEWED FROM FRONT OF CHASSIS.

- NOTES:
- ALL RESISTORS ARE CARBON, 1/2 WATT ± 10% TOLERANCE UNLESS OTHERWISE SPECIFIED.
 - ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS ARE IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
 - D.C. VOLTAGES SHOWN ARE MEASURED FROM GROUND WITH NO SIGNAL USING A VACUUM TUBE VOLTMETER
 - * INDICATES PARTS AND TRANSFORMERS USED IN CHASSIS 8MT50Z8 ONLY.
 - SPEAKER IMPEDANCE 80 OHMS.