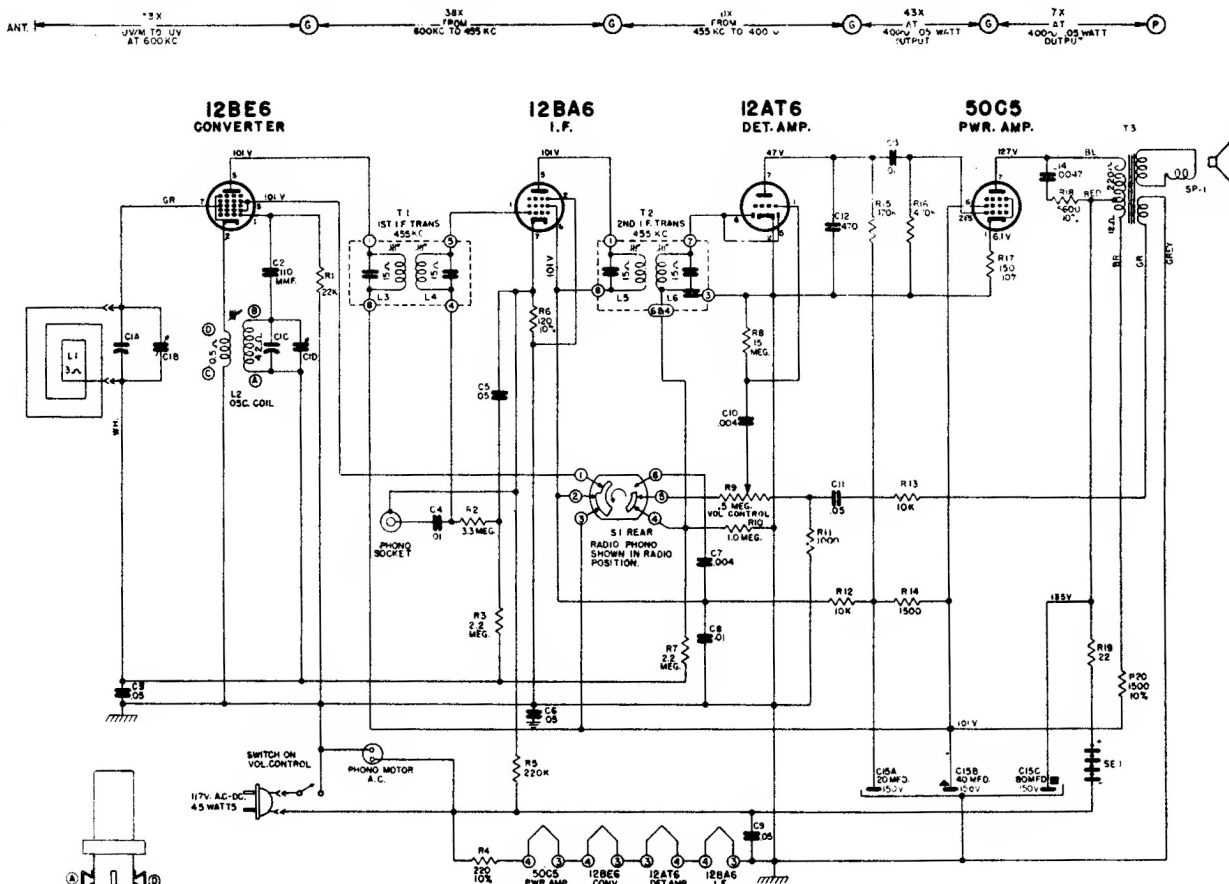


ZENITH RADIO CORPORATION

CHASSIS 4LO3 USED ON MODEL L2281



NOTES
ALL VOLTAGES MEASURED FROM COMMON RETURN TO POINTS
INDICATED WITH AN A.C., D.C. OR VACUUM TUBE VOLTMETER.
ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS $\pm 20\%$ TOLERANCE UNLESS OTHERWISE SPECIFIED.
USE ONLY ZENITH NON-INDUCTIVE ELECTROLYTIC CONDENSERS
FOR REPAIRS.

PHONO PICKUP CONNECTOR

—T1 1ST I.F. TRANS.
—L4 TOP SEC.
—L3 BOTTOM PRI.

The I.F. transformers incorporated in this receiver are of the new permeability tuned type. The advantage of an I.F. transformer of this type is its extreme stability under various humidity and temperature conditions. The upper coil is the secondary and the lower the primary. When adjusting these I.F. transformers the tuning wrench 68-19 can be inserted into the top slug, rotated until maximum output is obtained and then dropped down to the lower slug and the same operation repeated. The tuning wrench is so designed that turning one slug does not affect the adjustment of the other.

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	3, 4, 5, 6	For I.F. Alignment
2	Single Turn Loosely Coupled to Wave Magnet	--	1620 Kc.	1620 Kc.	C1D	Set Oscillator to Dual Scale.
3		--	1400 Kc.	1400 Kc.	C1B	Antenna Alignment

