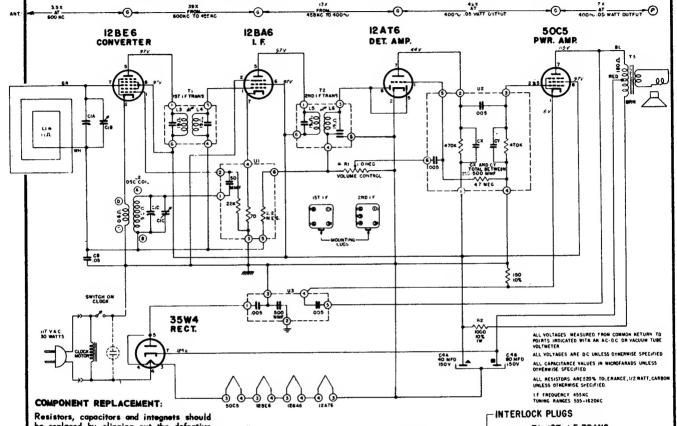
## ZENITH RADIO CORPORATION MODEL X514V & W CHASSIS 5X06 MODEL 519F, G, R & W CHASSIS 5X07



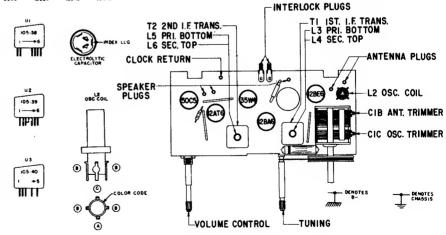
Resistors, capacitors and integnets should be replaced by clipping out the defective part and neatly soldering in the new part. If a unit, such as the ascillator cail or IF

If a unit, such as the ascillator cail or IF transformer is to be removed, heat the mounting lugs with a pencil type soldering iron and move them away from the soldered cannection with a long nose pliers or metal pick. Continue heating the lugs and brush away the malten solder with a small stiff glue brush. Remove the defective unit by lifting it aff the chassis. Before inserting the new unit, be certain that the lug holes are apen and free from solder. Farcing a lug against a solder filled lug hale may break the bond between the chassis bose and the "printed" wiring. It is, therefore, necessary to exercise care when replacing units.

An open or damaged section of "printed"circuit wiring can be replaced by soldering a short jumper wire across the paints to be cannected.

## I.F. TRANSFORMERS:

The I.F. transformers incarporated 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 canditions. The upper cail is the secondary and the lawer the primary. When adjusting these I.F. transformers, the tuning wrench 68-19 can be inserted into the top slug, ratated until maximum output is abtoined and then dropped down to the lawer slug and the same operation repeated.



## ALIGNMENT PROCEDURE

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OPERATION	CONNECT OSCILLATOR TO	OUMMY ANTENNA	INPUT SIG. FREQUENCY	SET DIAL AT	TRIMMERS	PURPOSE
1	Converter Grid	.5 Mfd.	455 Kc.	600 Kc.	L3, L4, L5, L6	Align I.F. for maximum output
2	One Turn Loop Coupled Loosely te Wove Magnet	-	1600 Kc.	1600 Kc.	СІС	Set Oscillator te Dial Scale.
3			1400 Kc.	1400 Kc.	C1B	Align Antenna Stage