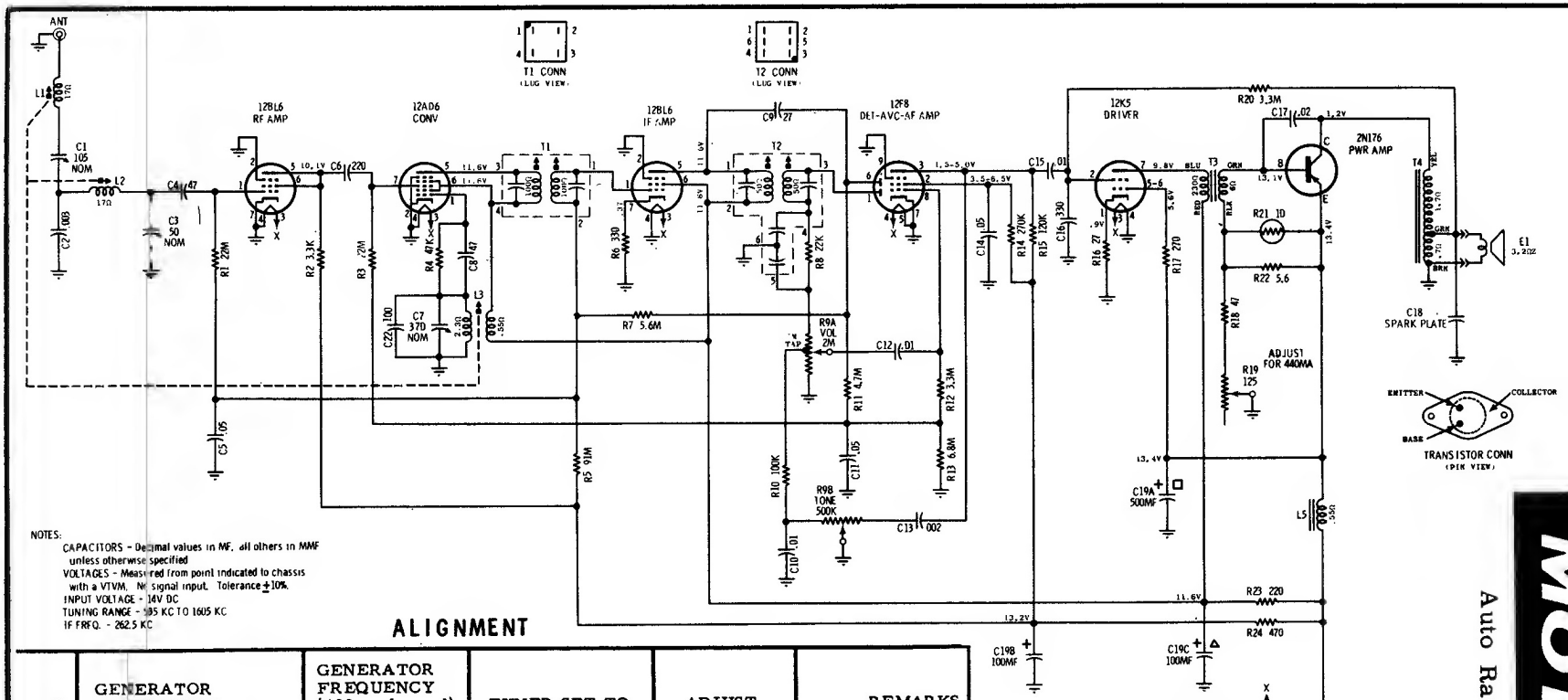

NOTES:
CAPACITORS - Decimal values in MF, all others in MMF unless otherwise specified
VOLTAGES - Measured from point indicated to chassis with a VTVM. No signal input. Tolerance ±10%.
INPUT VOLTAGE - 14V DC
TUNING RANGE - 535 KC TO 1605 KC
IF FREQ. - 262.5 KC

ALIGNMENT

STEP	GENERATOR CONNECTION	GENERATOR FREQUENCY (400 cycle mod)	TUNER SET TO	ADJUST	REMARKS
IF ALIGNMENT					
1.	Converter grid (pin 7) through .1 mf & chassis.	262.5 Kc	Hi end stop	1, 2, 3 & 4	Adjust for maximum.
RF ALIGNMENT					
2.	Ant recept through dummy (see Fig.)	1610 Kc	Hi end stop	5, 6 & 7	Adjust for maximum.
NOTE: Do not perform steps 3, 4, 5 & 6 unless the tuner has been tampered with or components have been replaced. Remove the escutcheon and dial background plate to expose the core screws. Before proceeding with step 3, back the tuning core screws 7/16" out of the coils to eliminate their effect on trimmer adjustments.					
3.	Ant recept through dummy (see Fig.)	1610 Kc	Hi end stop	5, 6 & 7	Adjust for maximum.
4.	"	1200 Kc	Tuner carriage 9/32" from hi end stop	8, 9 & 10	Adjust for maximum, using alignment tool, Motorola Part No. 66A76278.
5.	"	1610 Kc	Hi end stop	5, 6 & 7	"
6. Repeat steps 4 and 5 until no further increase, then cement tuning cores in place.					Step 5 should be last adjustment.
ANTENNA TRIMMER					
7.	-	-	Weak station Around 1400 Kc	7	With radio installed in car and antenna fully extended, adjust antenna trimmer for maximum.

CAUTION

"A" LEAD MUST BE CONNECTED TO POSITIVE (+) SIDE OF POWER SUPPLY. RADIO WILL NOT OPERATE AND DAMAGE TO COMPONENTS WILL RESULT IF CONNECTED OTHERWISE.

MOTOROLA

Auto Radio Model CTA8X

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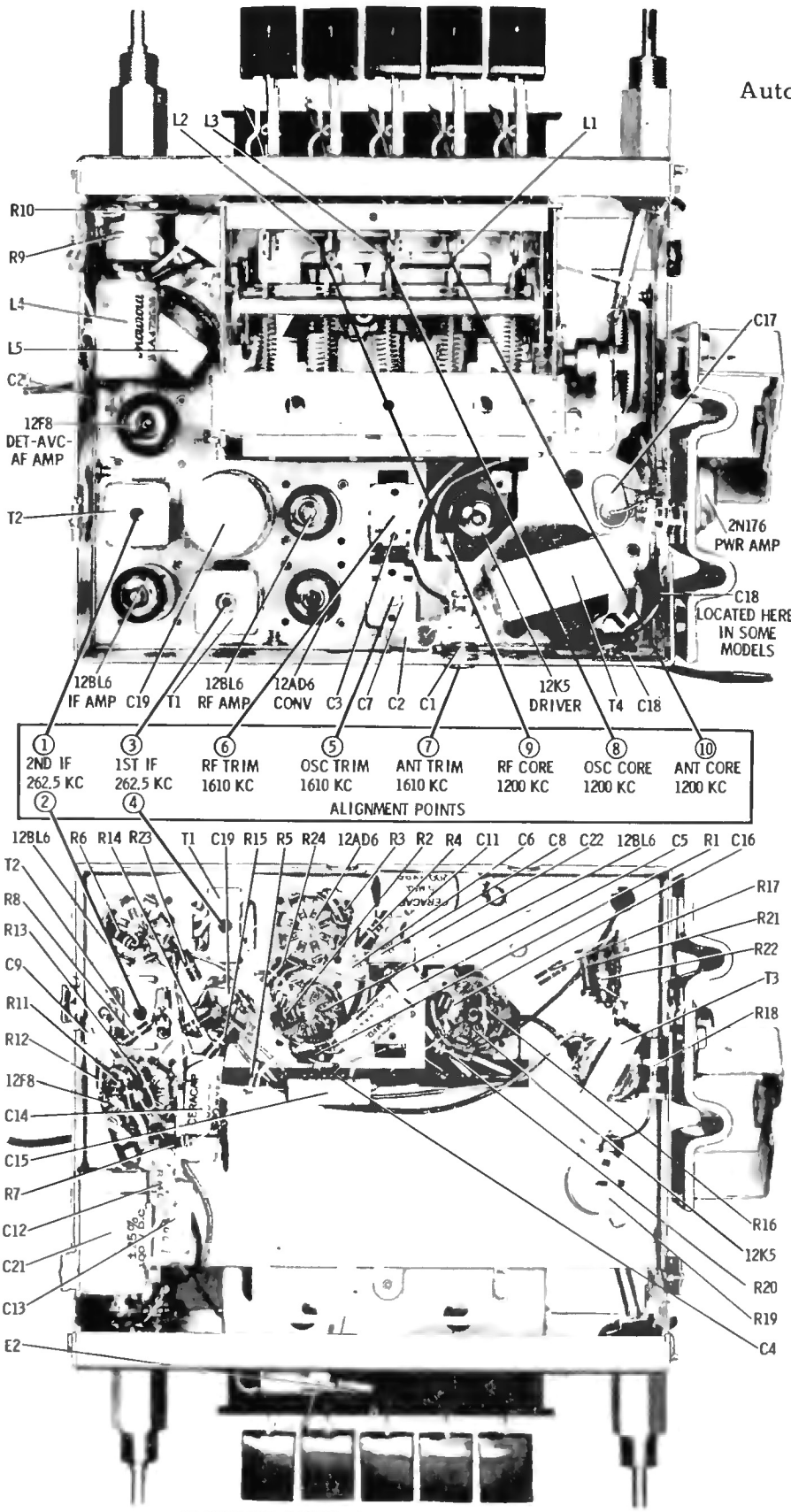
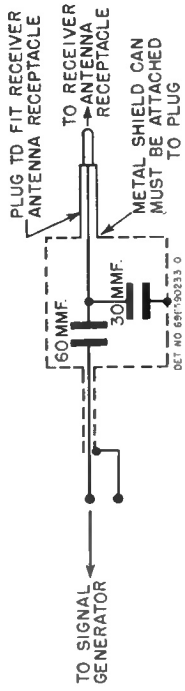
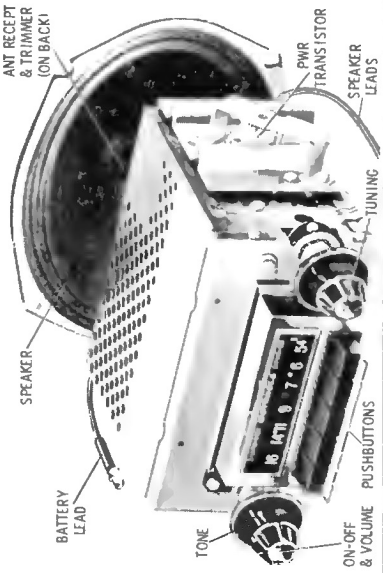




DUMMY ANTENNA



ALIGNMENT ADJUSTMENTS & PARTS LOCATIONS