



COMPENSATING

Compensating condensers in all Philco Transitone Receivers are carefully adjusted at the factory, and ordinarily need not be readjusted.

If necessary to readjust, a good oscillator should be used. With the Receiver and oscillator set up for operation, and the volume control of the Receiver turned on full—adjust the oscillator signal to a frequency between 1000 and 1200 kilocycles, or 100 and 120 on the Receivers. Tune the Receiver sharply to the signal and then reduce the oscillator signal so that it is barely audible in the Speaker.

Using the special fibre wrench, adjust the third compensating condenser to that point at which the maximum signal is heard in the Speaker, then adjust the second and finally the first condenser in the same manner, always adjusting for that position which gives the maximum signal.

After the adjustments are completed tune the Receiver to several broadcast programs to make sure that the stations are tuned in at the proper place on the tuning scale.

①	Condenser and Resistor (.05 mfd with 250 ohms)	3615-C
②	Resistor (50,000 ohms—1 watt)	4237
③	Resistor (25,000 ohms—1 watt)	3656
④	Resistor (4-section)	4407
⑤	Condenser (.00025 mfd)	3082
⑥	Fourth R. F. Transformer	8775-B
⑦	Condenser (.00005 mfd)	3774
⑧	R. F. Choke	8256-A
⑨	Resistor (1,000,000 ohms—½ watt)	4409
⑩	Resistor (250,000 ohms — ½ watt)	4410
⑪	Resistor (100,000 ohms — ½ watt)	4411
⑫	Resistor (100,000 ohms — ½ watt)	4411

⑬	Condenser (.00025 mfd)	3082
⑭	Resistor (1,000,000 ohms — 1 watt)	4414
⑮	Condenser (.00025 mfd)	3082
⑯	Resistor (100,000 ohms — ½ watt)	4411
⑰	Condenser (.015 mfd)	3793-D
⑱	Volume Control	4463
⑲	Resistor (250,000 ohms — ½ watt)	4410
⑳	Condenser (.25 mfd)	4487
㉑	Resistor (2-section)	4408
㉒	Audio Transformer	3241
㉓	Condenser (2.0 mfd)	4418
㉔	Audio Choke	4485
㉕	Output Condenser (1.0 mfd)	4420