

MODEL 36 ABOVE SERIAL No. 2,610,000

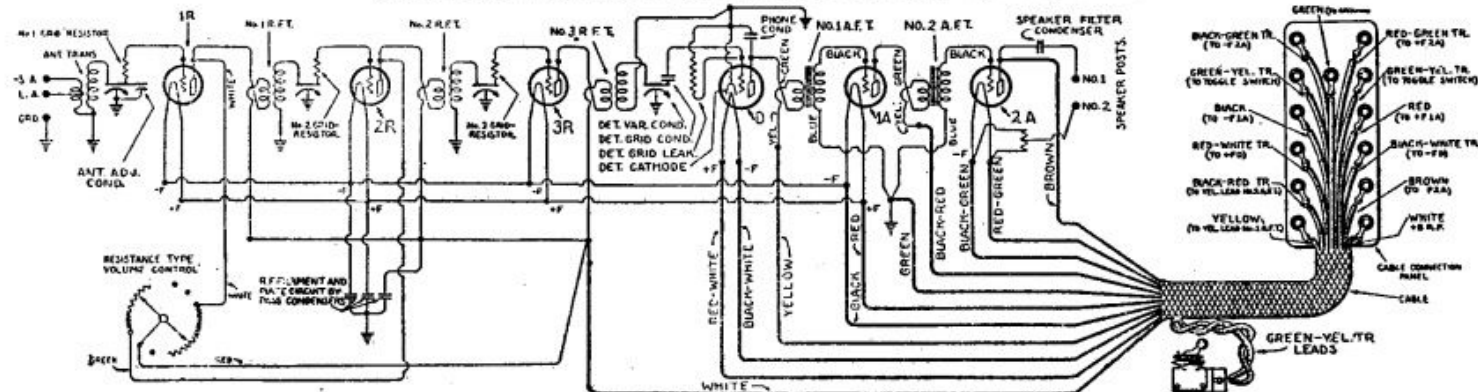
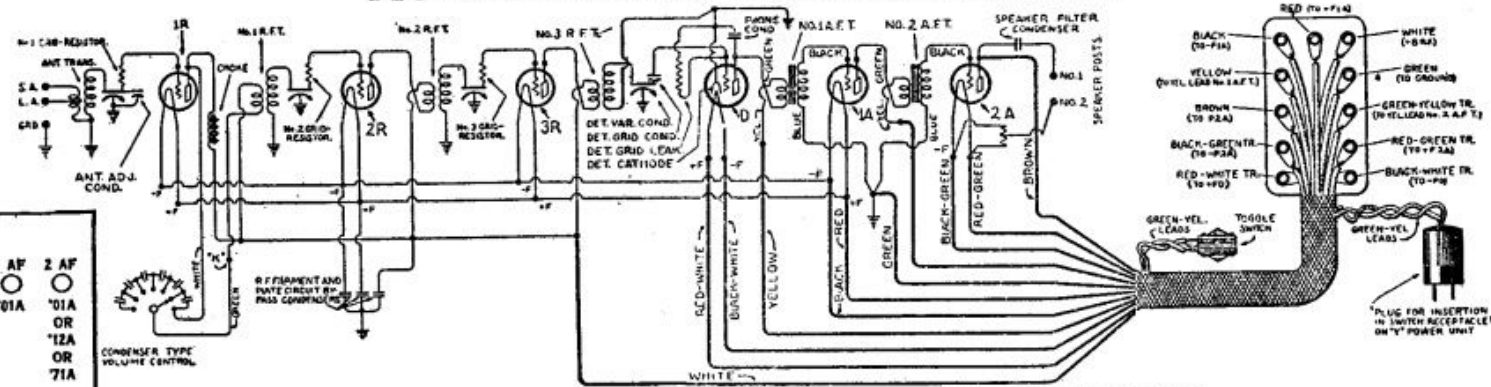
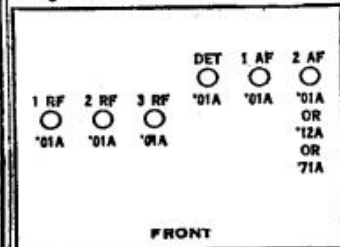


FIG. 70. WIRING DIAGRAM OF MODEL 36 WITH RESISTANCE-TYPE VOLUME CONTROL.

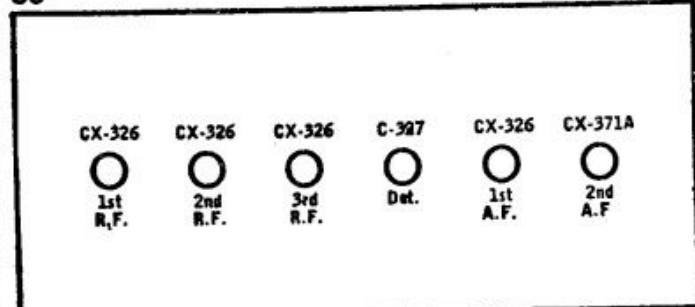
MODEL 36 BELOW SERIAL No. 2,610,000

Model 33 (1927)

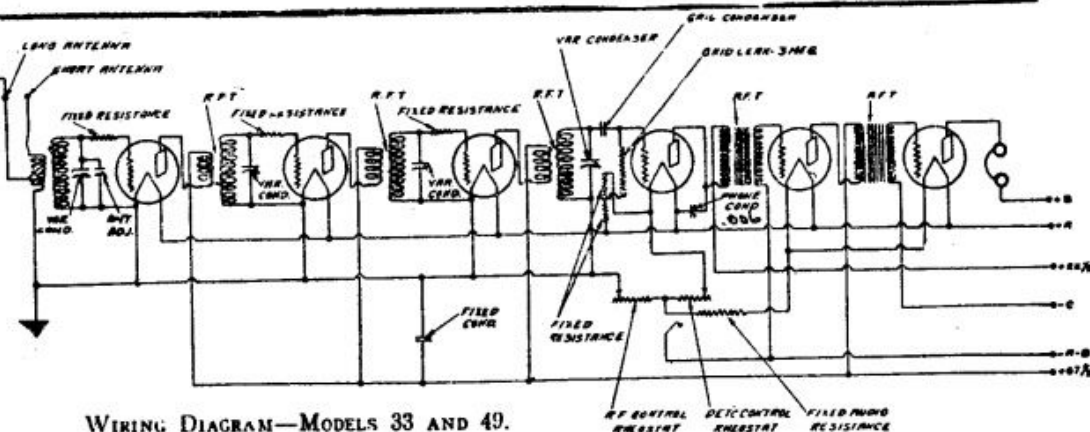


WIRING DIAGRAM OF MODEL 36 WITH CONDENSER-TYPE VOLUME CONTROL.

36



CX-380 used in separate power unit.



WIRING DIAGRAM—MODELS 33 AND 49.

ATWATER KENT MFG. CO.

MODEL 33
MODEL 36 Early
MODEL 36 Late
MODEL 49

ATWATER KENT MFG. CO.

MODEL 33 and 49

Data

Model 33

CONDENSERS

Detector phone	.002 mfd	# 8241	500 volts
Detector grid	.00025 mfd	# 8112	500 volts
Plate bypass	.3 mfd	# 14902	450 volts

RESISTORS

Grid suppressors	800 ohms	# 8996	flat wire wound
Detector grid leak	2. megs	# 15892	1 watt green
Detector bias	450 ohms	# 8190	tapped 180 -270 ohms
A-f filament	1.5 ohms	# 8256	green covered
Detector rheostat	20 ohms	# 8310	
R-f rheostat	10 ohms	# 4690	

TRANSFORMERS

1st a-f primary	1000 ohms	# 8060
1st a-f secondary	7000 ohms	
2nd a-f primary	1700 ohms	# 7661
2nd a-f secondary	3250 ohms	

The wiring diagram illustrates a .5 mfd fixed condenser. This should be the value quoted in the table above in connection with the plate bypass condenser. In other words, the .5 mfd specification in the wiring diagram should be .3 mfd. The r-f control rheostat shown in the wiring diagram is rated at 20 ohms. The correct figure is 10 ohms, as stated in the table above.

The difference between the Model 33 and the Model 49 is that the latter has a gold finished panel. The antenna adjustment specification in the wiring diagram is a separately variable plate which is a part of the first tuning condenser. This plate is controlled by a small knob.

The wiring diagram on page 137 of Rider's Manual, Volume 1 shows a .006 mfd phone condenser. The correct value is as stated in the table above. At the time the diagrams were first published, the values designated were assumed to be correct as secured from supposedly reliable sources. The diagram further shows a 3. meg grid leak. This data was a part of the original diagram as furnished by the A-K organization. Subsequent to the publication of the original diagram, the parts list for that receiver showed a 2. meg grid leak as advised in the table.

Model 49

The Model 49 receiver is the same as the Model 33 and the parts list supplied above is applicable in its entirety.