

ATWATER KENT MFG. CO.

MODEL 20
7570
4640

Model 20 # 7570

Data

CONDENSERS

Detector phone	.002 mfd	# 8241	500 volts
Detector grid	.000250 mfd	# 4465	500 volts
Plate bypass	.3 mfd	# 14902	450 volts

RESISTORS

Grid suppressors	600 ohms	# 4949	wire wound
Detector grid leak	2 megs	# 15892	1 watt Green
R-f rheostat	10 ohms	# 4690	
Detector rheostat	10 ohms	# 4690	

TRANSFORMERS

1st a-f primary	1700 ohms	# 4779
1st a-f secondary	3250 ohms	
2nd a-f primary	1700 ohms	# 4779
2nd a-f secondary	3250 ohms	

Model 20 # 4640

The parts used in # 4640 are substantially the same as used in # 7570 shown above, with the following exceptions.

1st and 2nd a-f transformers have different part numbers. In # 4640 they are # 7661. The d-c resistance of the respective primary and secondary windings is the same as designated for Model 20 # 7570. In other words a-f transformers # 4779 and # 7661 have like d-c resistance specifications for the primary and secondary windings. In receiver # 4640, transformer # 7661 is used in both the 1st and 2nd stages.

The detector grid condenser in receiver Model 20 # 4640 has the same capacity and voltage rating as used in # 7570, but has a different part number. The part number of this unit in receiver # 4640 is # 8112.

In both receivers, the plate circuit bypass condenser is adjacent to the 2nd r-f stage socket. The grid and phone condensers are adjacent to the detector and a-f assembly.

The wiring diagram in the manual shows a .2 mfd condenser as the plate circuit bypass unit. The Atwater-Kent specifications in their diagram manual shows such a condenser. On the other hand the parts specifications show a .3 mfd condenser in this position. If a .2 mfd unit is being used and the receiver performs well, there is no occasion for a change.