

H. H. SCOTT, INC.
111 Powder Mill Road
Maynard, Mass.

SERVICE BULLETIN

For

MODEL 310D BROADCAST MONITOR FM TUNER

SPECIFICATIONS

(These specifications are minimum - all H. H. Scott 310D tuners must meet or exceed these figures).

Usable Sensitivity (IHFM) (For less than 3% Total Noise, distortion, hum -30 db)	2.0 microvolts
Signal to Noise Ratio	60 db below 100% modulation
Total Harmonic Distortion	0.5 %
Frequency Deviation	0.02 %
Frequency Response	20-20,000 cps \pm 1 db
Capture Ratio	2.2 db
Selectivity	50 db
Spurious Response Rejection	85 db
Hum	66 db
AM Suppression	60 db
Audio Output (100% modulation)	4 - 6 volts
Tuning Range	87-109 mc
Accuracy of Calibration	0.5 %
Output Impedance	3000 ohms
Minimum Recommended Load Resistance	100,000 ohms
Minimum Recommended Cable Capacitance	1000 mmfds
Maximum Recommended Length of Output Lead	70 feet
Range of Line Voltage and Frequency	105-125 volt 50/60 cps
Power Consumption - AC ONLY - <u>DO NOT OPERATE</u> <u>WITH DIRECT</u> <u>CURRENT</u>	50 watts

GENERAL SERVICE NOTES

Service, other than replacement of either pilot lights or vacuum tubes is usually not required. If the tuner is not operating properly, all external connections should be checked to make sure that the difficulty is in the tuner. Generally, it is advisable to replace the connection to the tuner with a tape recorder or similar device to check out the amplifier performance. If the difficulty appears to be located in the tuner, the level control should be first checked, to insure that it is rotated away from its extreme counter-clockwise position. Then, the vacuum tubes should be checked by replacing them with new ones, one by one. The tubes should be tight in their sockets and provided with shields where applicable. Tube defects frequently do not show up in a tube tester. Only operation in the tuner will insure the proper working of a vacuum tube.