

FM SERVICE

Much of FM service is similar to the usual service necessary for AM receivers such as voltage analysis, parts replacement, etc. The chief differences arise because of the considerably higher frequencies used in FM operation, and because of the different type of second detector needed in FM.

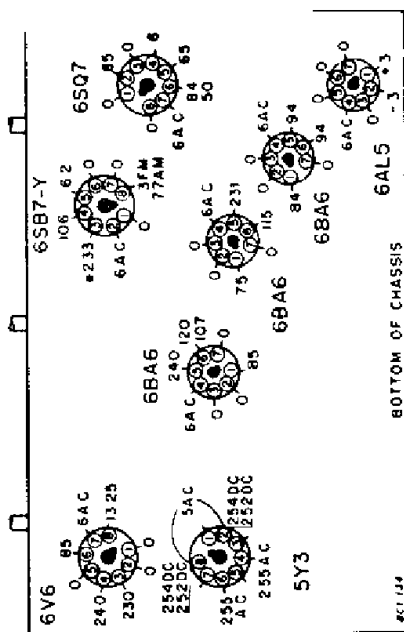
The higher frequencies involved means that more care must be exercised in location and length of leads. Leads tend to act as small inductances or capacitors at high frequency and hence may appreciably alter the electrical characteristics of a circuit. For this reason ground connections should always be maintained as originally made in the set. Also note that in certain circuits, the type by-pass condenser used is critical at the high FM

In some sets, built-in FM antenna L1 was omitted. Loop L2 (used as FM/AM antenna) was connected across outer terminal 1-AM to FM. When using external FM antenna make connections as shown.

frequencies. When replacing condensers it is important that they be replaced with condensers of identical capacity values, tolerances, temperature coefficients, and construction.

MISCELLANEOUS

Part No.	Description	Part No.	Description
13A 379	Bracket Shipping Retainer	12A 11	12A 11
13A 146	Plate Cover (Chassis Mtg.)	12A 11.1	12A 11.1
87A 3.4	Socket Miniature Tube	12A 11.2	12A 11.2
87A 5.1	Socket Octal	12A 11.3	12A 11.3
13C 193	Strip Shipping (for Chassis Tilt Out)	12A 11.4	12A 11.4
13A 178	Strip Shipping (for Radio Tilt Out)	12A 11.5	12A 11.5
108 3.5	Terminal Board (Mounted on cabinet)	12A 11.6	12A 11.6
98A 52.3	Door Knob Record Storage Compartment	12A 11.7	12A 11.7
98A 52.6	Grille Cloth (7 pieces)	12A 11.8	12A 11.8
12A 1.1	Crommet Rubber	12A 11.9	12A 11.9
12A 1.11	for mounting Chassis	12A 11.10	12A 11.10
12A 1.1	for Changer Tilt Out	12A 11.11	12A 11.11
33B 31.1	Knobs Radio	12A 11.12	12A 11.12
33B 31.2	FM BC PH	12A 11.13	12A 11.13
33A 13.4	Tuning	12A 11.14	12A 11.14
	Volume and On-Off Tone	12A 11.15	12A 11.15
	Rubber Channel	12A 11.16	12A 11.16
	for Radio Tilt Out Brackets	12A 11.17	12A 11.17
	for Chassis Mounting	12A 11.18	12A 11.18
	for Door Block	12A 11.19	12A 11.19
	for Door Panel (17 x 1/2 x 1/4)	12A 11.20	12A 11.20
	for Door Panel (17 x 1/2 x 1/4)	12A 11.21	12A 11.21
	for Door Panel (17 x 1/2 x 1/4)	12A 11.22	12A 11.22
	for Door Panel (17 x 1/2 x 1/4)	12A 11.23	12A 11.23
	for Door Panel (17 x 1/2 x 1/4)	12A 11.24	12A 11.24
	for Door Panel (17 x 1/2 x 1/4)	12A 11.25	12A 11.25
	for Door Panel (17 x 1/2 x 1/4)	12A 11.26	12A 11.26
	for Door Panel (17 x 1/2 x 1/4)	12A 11.27	12A 11.27
	for Door Panel (17 x 1/2 x 1/4)	12A 11.28	12A 11.28
	for Door Panel (17 x 1/2 x 1/4)	12A 11.29	12A 11.29
	for Door Panel (17 x 1/2 x 1/4)	12A 11.30	12A 11.30
	for Door Panel (17 x 1/2 x 1/4)	12A 11.31	12A 11.31
	for Door Panel (17 x 1/2 x 1/4)	12A 11.32	12A 11.32
	for Door Panel (17 x 1/2 x 1/4)	12A 11.33	12A 11.33
	for Door Panel (17 x 1/2 x 1/4)	12A 11.34	12A 11.34
	for Door Panel (17 x 1/2 x 1/4)	12A 11.35	12A 11.35
	for Door Panel (17 x 1/2 x 1/4)	12A 11.36	12A 11.36
	for Door Panel (17 x 1/2 x 1/4)	12A 11.37	12A 11.37
	for Door Panel (17 x 1/2 x 1/4)	12A 11.38	12A 11.38
	for Door Panel (17 x 1/2 x 1/4)	12A 11.39	12A 11.39
	for Door Panel (17 x 1/2 x 1/4)	12A 11.40	12A 11.40
	for Door Panel (17 x 1/2 x 1/4)	12A 11.41	12A 11.41
	for Door Panel (17 x 1/2 x 1/4)	12A 11.42	12A 11.42
	for Door Panel (17 x 1/2 x 1/4)	12A 11.43	12A 11.43
	for Door Panel (17 x 1/2 x 1/4)	12A 11.44	12A 11.44
	for Door Panel (17 x 1/2 x 1/4)	12A 11.45	12A 11.45
	for Door Panel (17 x 1/2 x 1/4)	12A 11.46	12A 11.46
	for Door Panel (17 x 1/2 x 1/4)	12A 11.47	12A 11.47
	for Door Panel (17 x 1/2 x 1/4)	12A 11.48	12A 11.48
	for Door Panel (17 x 1/2 x 1/4)	12A 11.49	12A 11.49
	for Door Panel (17 x 1/2 x 1/4)	12A 11.50	12A 11.50



If not issued with I and watch in phonograph section, will be 2416

Part No.	Description
98A 41.9	Door Catch and Strike Plate for Record Compartment Door
98A 52.7	Door Handle (Tilt Out Door)
98A 41.13	Door Hinge Record Compartment

