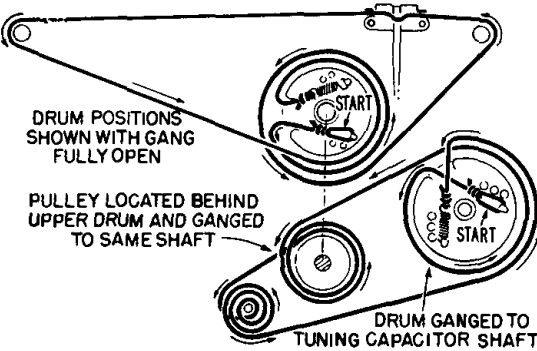


# Admiral 12B1-12B1A-5T4A CHASSIS

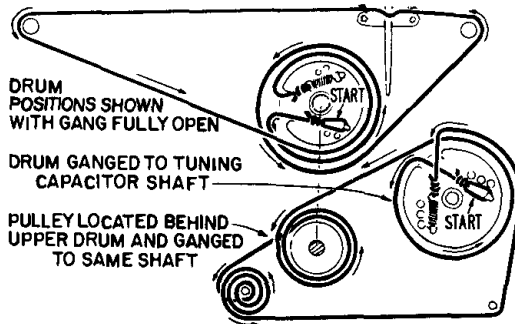
Models 632, 633, 634, 642, 643, 644, 649, 654, 662, 663, 664, 671, use Chassis 12B1. Chassis 12B1A has a different panel; used in later Model 649. Same model numbers with prefix SS use auxiliary stereo unit 5T4A.

(Additional material on pages 10-11)

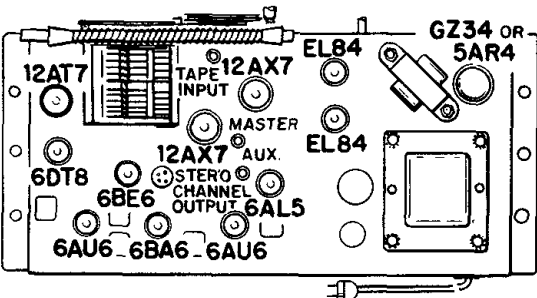
Run changes refer to 12B1 schematic diagram on next two pages.



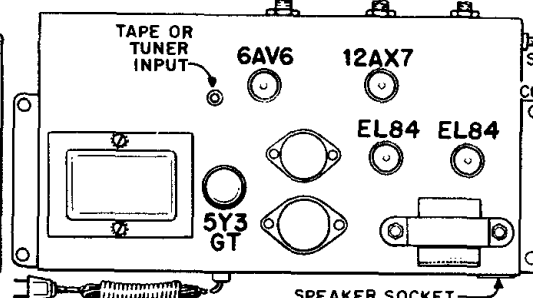
Stringing Diagram.  
(Early Production)



Stringing Diagram.

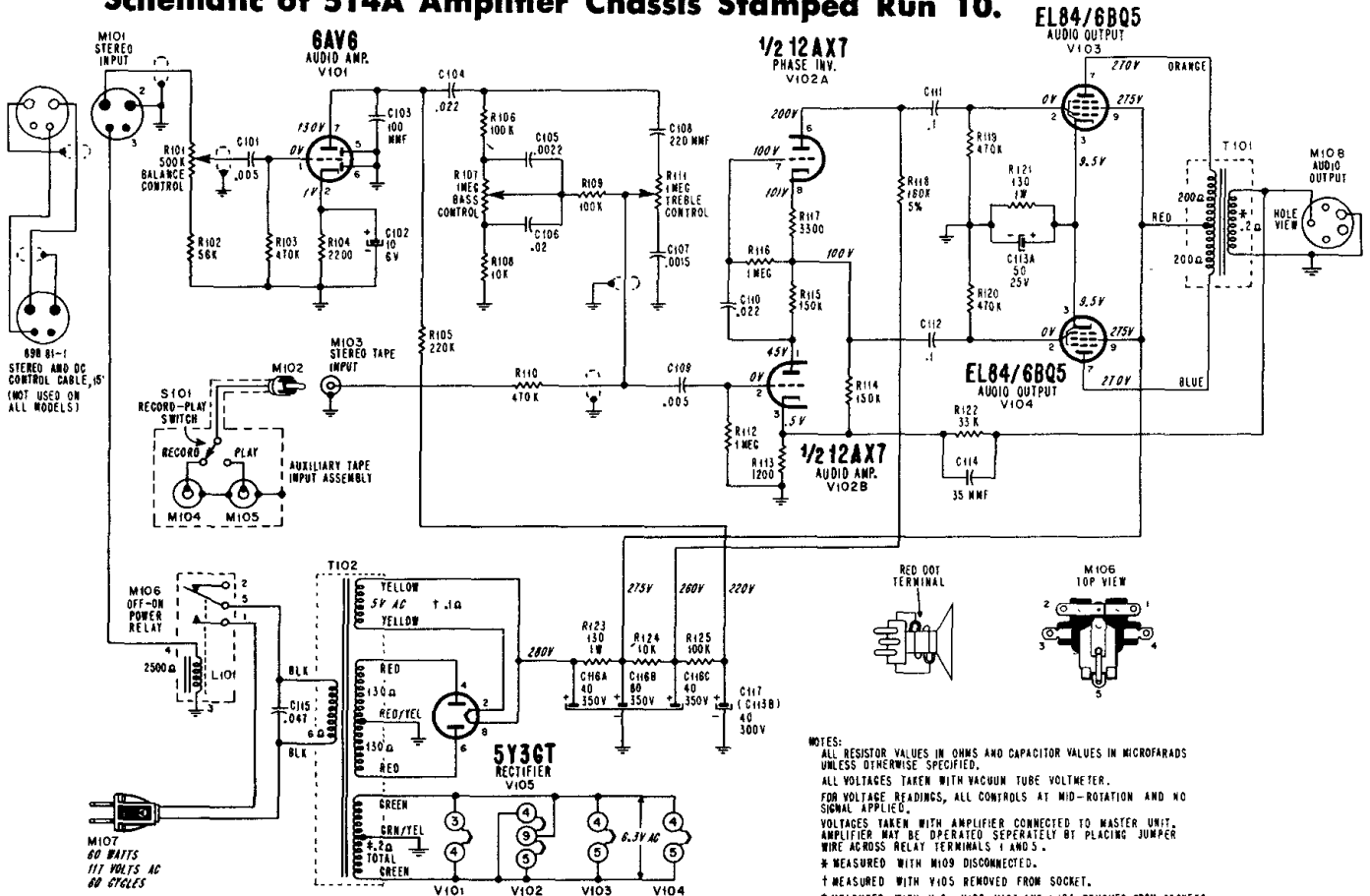


Top View of 12B1 Chassis, Tube Locations Shown.



Top View of 5T4A Chassis

## Schematic of 5T4A Amplifier Chassis Stamped Run 10.



⑩ Start of production 12B1.

⑪ R25 (15K, 1W) changed to (22K, 1W) to permit full interchangeability 6BE6 tubes. R33 changed to (390K, 1/2W); R34 to (100K, 1/2W); and C39 to (.002MF) to improve AM operation. R70 (470K, 1/2W) added between M11 and M12 to minimize rumble.

⑫ R70 (470K, 1/2W) removed to increase channel separation for stereo operation.

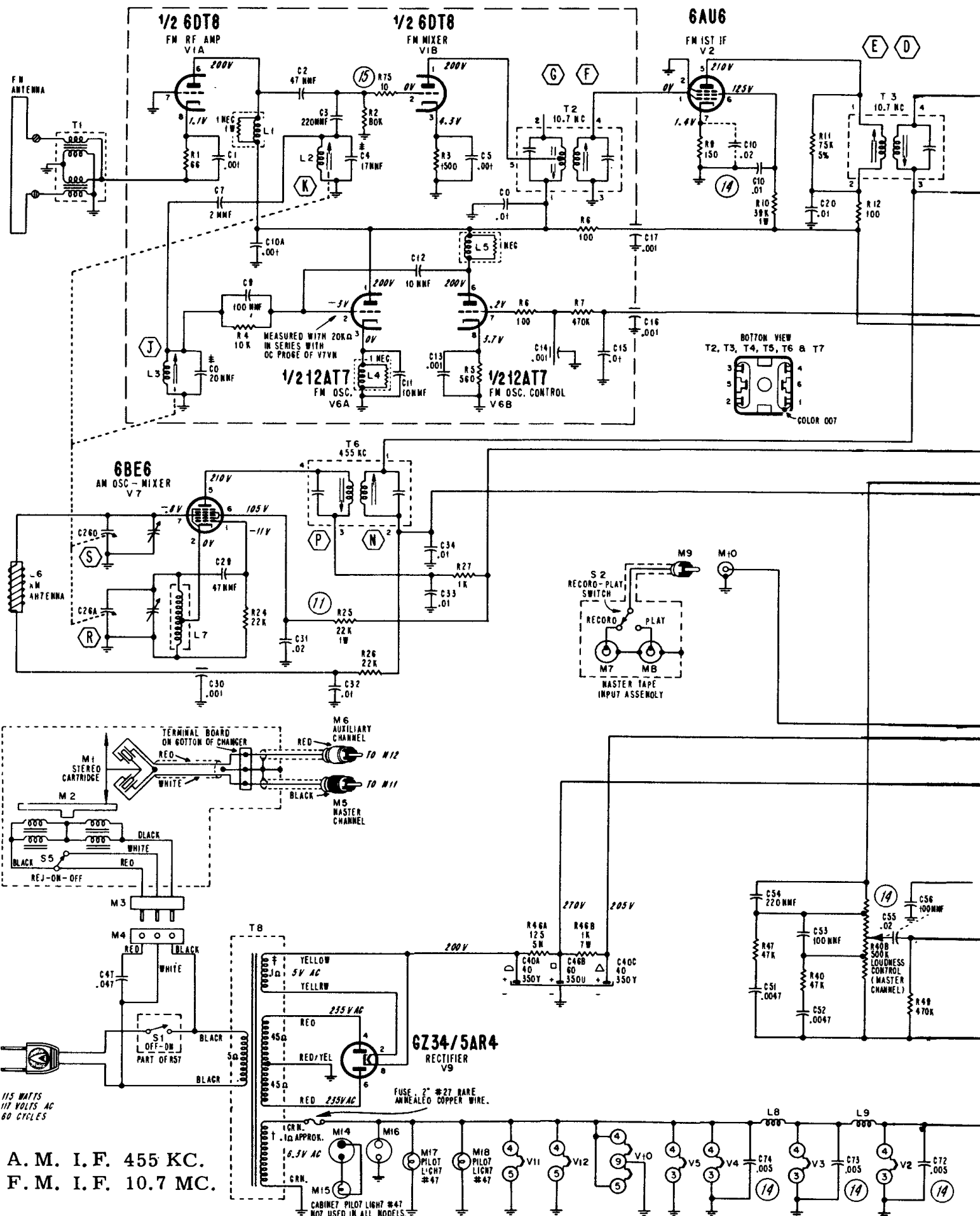
⑬ To insure proper operation of OFF-ON-POWER relay at low line voltages, R45 (39K, 2W) removed and R71 (33K, 2W) added in its place.

⑭ To reduce possibility of regeneration in strong signal areas, C18 (.02MF) and C21 (.02MF) removed. R72 (75K 5%) and R73 (75K 5%) added to IF section. R65 (160K) connected to B+ 200V.

For standardization of parts, C19A and B (.005MF) V2 screen and filament bypass removed. C19 (.01MF) V2 screen bypass and C72 (.005MF) V2 filament bypass added. C22A and B (dual .004MF) V3 screen and filament bypass removed. C22 (.01MF) V3 screen bypass and C73 (.005MF) V3 filament bypass added. C24A and B (dual .004MF) V4 screen and filament bypass removed. C24 (.01MF) V4 screen bypass and C74 (.005MF) V4 filament bypass added. V8 changed to ECC83. For improved frequency response, C55 changed to .02MF. C64 changed to .02MF. C66 and C67 each changed to .022MF. C75 (.001MF) added from plate to screen of V12. To increase AM audio output, R33 changed to 100K and R34 changed to 390K. R74 (100K, 1W) added.

⑮ R75 (10 ohms, 1/2 watt) added between pin 2 of V18 and R2 to reduce possibility of RF regeneration.

# ADMIRAL Schematic diagram of 12B1, 12B1A, Run 15, Continued



# ADMIRAL Schematic Diagram of 12B1-12B1A Radio Chassis Stamped Runs 10 through 15.

