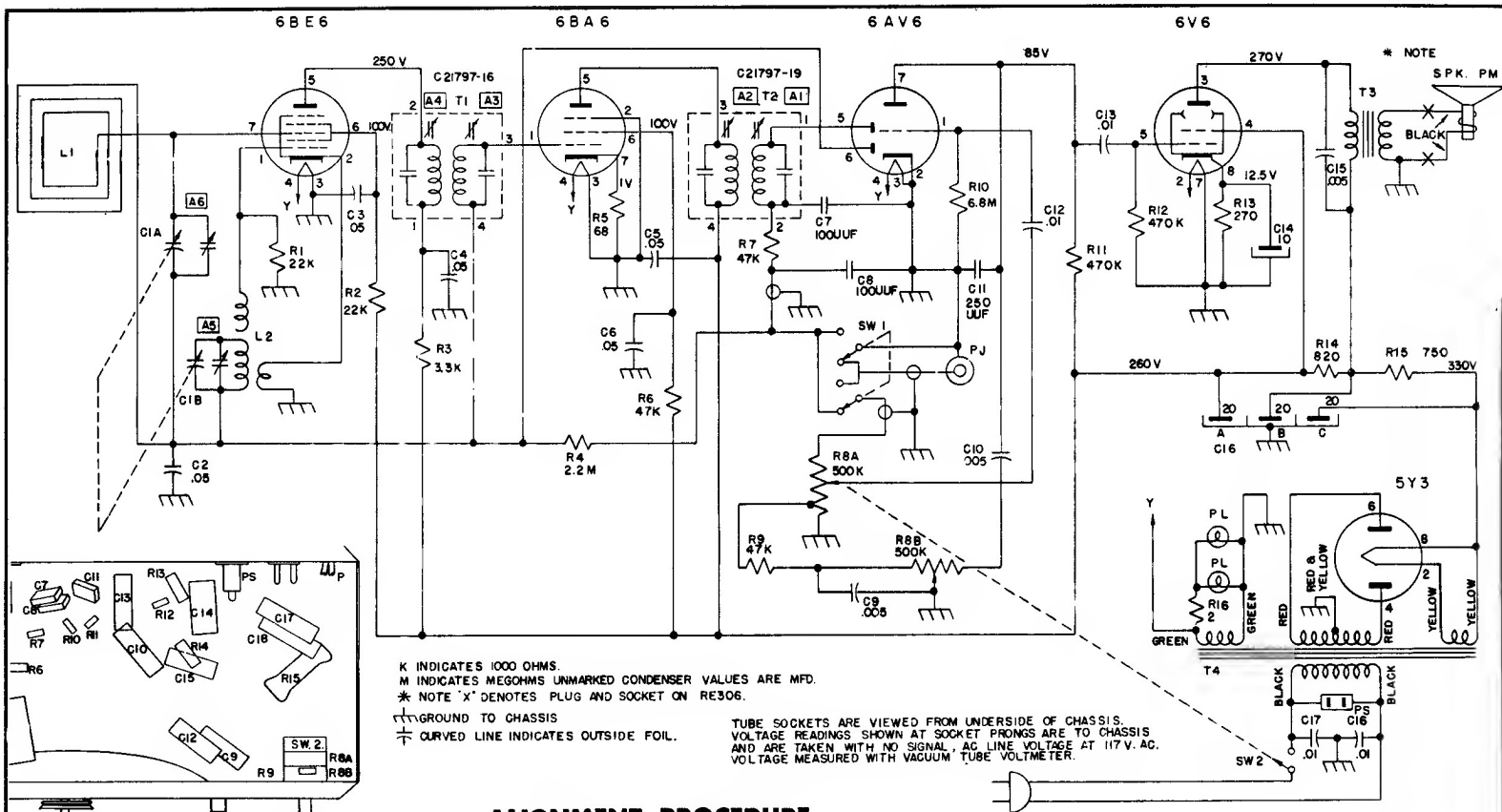
Arvin INDUSTRIES

RADIO 751TM - TB CHASSIS RE 343



K INDICATES 1000 OHMS.
M INDICATES MEGOHMS UNMARKED CONDENSER VALUES ARE MFD.
* NOTE 'X' DENOTES PLUG AND SOCKET ON RE306.
GROUND TO CHASSIS
CURVED LINE INDICATES OUTSIDE FOIL.

TUBE SOCKETS ARE VIEWED FROM UNDERSIDE OF CHASSIS.
VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO CHASSIS AND ARE TAKEN WITH NO SIGNAL, AC LINE VOLTAGE AT 117 V. AC.
VOLTAGE MEASURED WITH VACUUM TUBE VOLTMETER.

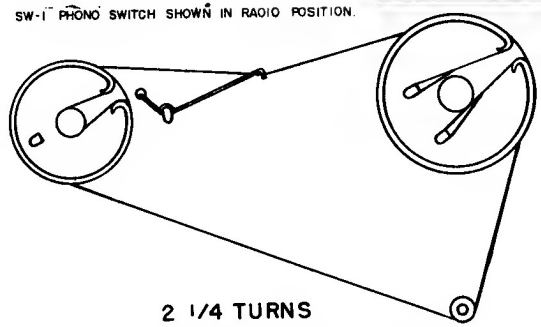
PJ PHONO JACK FOR PICK-UP ARM.
PS PHONO SOCKET FOR AC MOTOR.
SW-1 PHONO SWITCH SHOWN IN RADIO POSITION.

ALIGNMENT PROCEDURE

Position of volume & tone control ..... Fully clockwise
Position of dial pointer with variable fully closed ..... To left

1. Connect signal generator lead through a .05 uf condenser to converter grid. Open tuning condenser. Set signal generator to 455 Kc. Tune I.F. Trimmers A1, A2, A3 and A4 for maximum output.
2. Close tuning condenser and set pointer to left. Open tuning condenser. Connect signal generator to test loop or to blue lead on set loop. Set signal generator to 1650 Kc. Tune A5 trimmer on oscillator section of tuning condenser for maximum output.
3. Set signal generator to 1400 Kc. Adjust tuning shaft until maximum output is obtained. Tune antenna trimmer A6 on tuning condenser for greatest output. Reset tuning shaft until output is again maximum. Retune antenna trimmer. Repeat this cycle of operations at 1400 Kc. until no further increase of output can be obtained. Keep generator output at a low value to prevent detuning by A.V.C. action.
4. Set signal generator to 600 Kc. Adjust tuning shaft for maximum output. Adjust tuning condenser plate for maximum output if necessary.

Approximate sensitivities with 117 V. AC line voltage and .5 W. output across voice coil should be: Antenna lead 600 Kc. —600 uv/m., 1000 Kc.—400 uv/m., 1400 Kc.—300 uv/m.



2 1/4 TURNS

STRINGING DIAGRAM