

# Emerson Radio

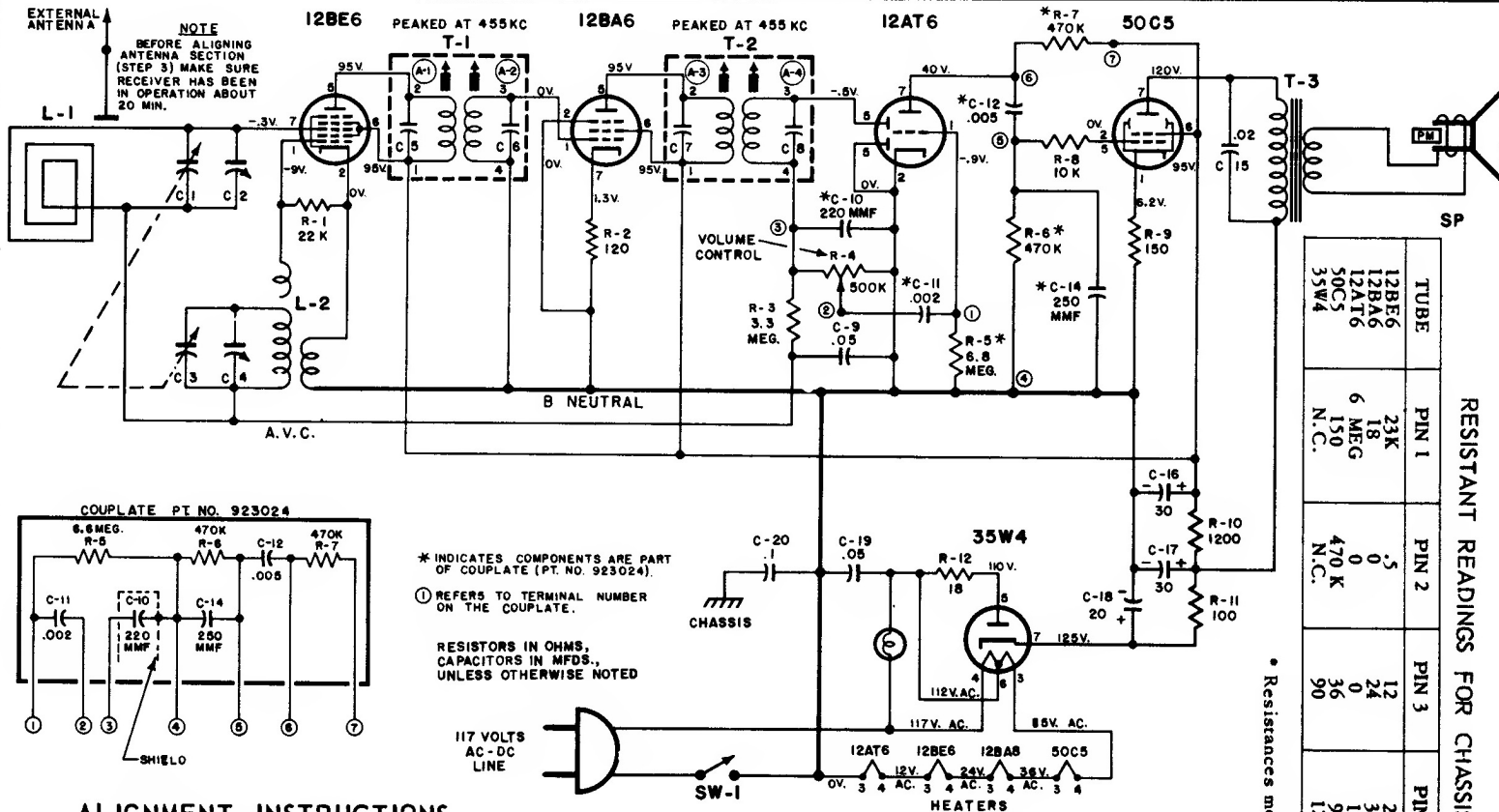
MODEL - 729B

CHASSIS - 120170-B

RESISTANT READINGS FOR CHASSIS 120170-B

| TUBE  | PIN 1 | PIN 2 | PIN 3 | PIN 4 | PIN 5 | PIN 6 | PIN 7 |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 12BE6 | 23K   | .5    | 12    | 24    | 1500* | 1500* | 4 MEG |
| 12BA6 | 18    | 0     | 24    | 36    | 1500* | 1500* | 120   |
| 12AT6 | 6 MEG | 0     | 36    | 90    | 500K  | 0     | 470*  |
| 50C5  | 150   | 470 K | 90    | 120   | 470K  | 1500* | 210*  |
| 35W4  | N.C.  | N.C.  | 90    | 120   | 135   | 115   | 0*    |

\* Resistances measured to pin 7 of rectifier 35W4 (B+).



## ALIGNMENT INSTRUCTIONS

| STEP | DUMMY ANTENNA | SIGNAL GENERATOR COUPLING                                      | SIGNAL GENERATOR FREQUENCY | RADIO DIAL SETTING             | OUTPUT METER       | ADJUST                  | REMARKS                    |
|------|---------------|----------------------------------------------------------------|----------------------------|--------------------------------|--------------------|-------------------------|----------------------------|
| 1    | .001 mfd.     | High side to grid (pin 7) of V1 (12BE6). Low side to B-neutral | 455 KC                     | Variable condenser fully open. | Across voice coil. | T2, T1 (A3, A4, A1, A2) | Adjust for maximum output. |
| 2    |               | Form loop of several turns and radiate signal into receiver    | 1620 KC                    | "                              | Across voice coil. | Trimmer C-4 (Osc.)      | Adjust for maximum output. |
| 3    |               | "                                                              | 1400 KC                    | Tune for maximum               | Across voice coil. | Trimmer C-2 (Ant.)      | Adjust for maximum output. |