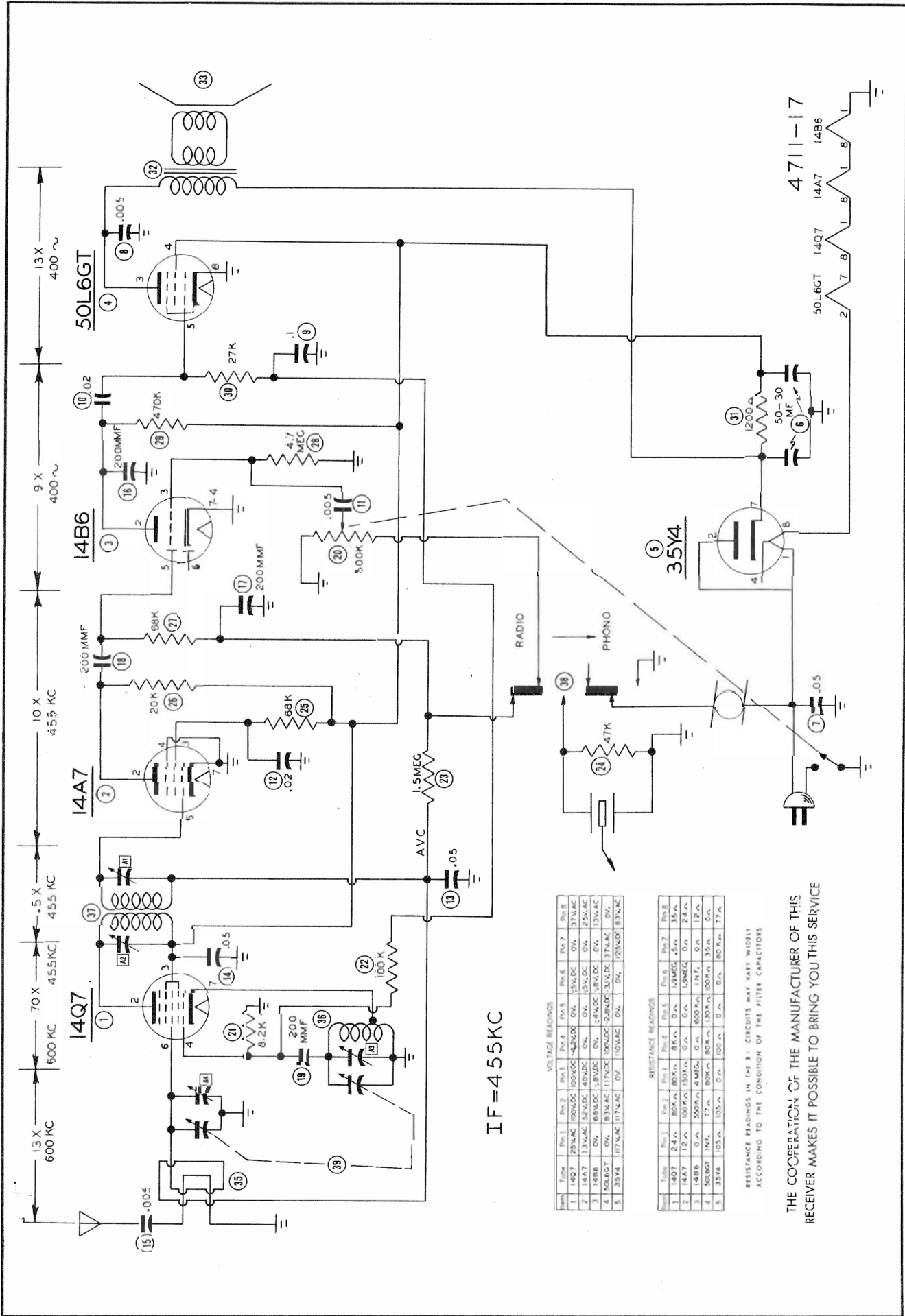




GLOBE
MODEL 517

GLOBE
MODEL 517



1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

THE COOPERATION OF THE MANUFACTURER OF THIS
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

| VOLTAGE READINGS | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|
| Pin | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 14Q7 | 250V | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V |
| 14B6 | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V |
| 50L6GT | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V |
| 35Y4 | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V | 100V |

| RESISTANCE READINGS | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|
| Pin | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 14Q7 | 2.4K | 80K | 80K | 80K | 80K | 80K | 80K | 80K | 80K |
| 14B6 | 1.2K | 100K | 100K | 100K | 100K | 100K | 100K | 100K | 100K |
| 50L6GT | 1.2K | 100K | 100K | 100K | 100K | 100K | 100K | 100K | 100K |
| 35Y4 | 1.2K | 100K | 100K | 100K | 100K | 100K | 100K | 100K | 100K |

RESISTANCE READINGS IN THE R: CIRCUITS MAY VARY WIDELY
ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

| TRADE NAME | | Globe, Model 517 | | | | |
|---|---|---|-------------------------|-------------------|--------------------------|---|
| MANUFACTURER | | Globe Electronics, Inc., 225 W. 17th St., New York, N.Y. | | | | |
| TYPE SET | | AC-DC Operated Superheterodyne Receiver with Loop Antenna | | | | |
| TUBES (FIVE) | | Types, 14Q7 Converter, 14A7 IF Amp., 14B6 Det.-AVC-AF, 50L6GT Power Output, 35Y4 Rectifier. | | | | |
| POWER SUPPLY | | 110-120 Volts AC-DC | | | | |
| TUNING RANGE—BROADCAST | | 540-1720KC | | RATING | .275 Amp. @ 117 Volts AC | |
| ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT | | | | | | |
| Use isolation transformer if available. If not, connect a capacitor in series with low side of signal generator and chassis. Volume control should be at maximum position, output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting. | | | | | | |
| DUMMY ANTENNA | SIGNAL GENERATOR COUPLING | SIGNAL GENERATOR FREQUENCY | RADIO DIAL SETTING | OUTPUT METER | ADJUST | REMARKS |
| .1 MFD. | High side to front stator of tuning cap. Low side to chassis. | 455KC | Tuning cap. fully open. | Across voice coil | A1,A2 | Adjust for maximum output. If isolation transformer is not used, reduce dummy ant. to .001 MFD. to reduce hum modulation. |
| 200MFD | High side to ext. ant. lead. Low side to chassis. | 1720KC | " | " | A3 | Adjust for maximum output. |
| 200MFD | " | 1400KC | Tune for max. output. | " | A4 | " " " " |

DISASSEMBLY INSTRUCTIONS

1. Remove two control knobs by loosening set screws.
2. Remove three hex head screws holding chassis in cabinet.
3. Remove two Phillips head screws and two wood screws holding switch.
4. Remove chassis from cabinet.
5. Unsolder phono-pickup leads from terminal strip.
6. Unsolder phono-motor leads from terminal strip.

HOWARD W. SAMS & CO., INC.

Indianapolis Indiana

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PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

| ITEM No. | USE | REPLACEMENT DATA | | RMA BASE TYPE | INSTALLATION NOTES |
|----------|--------------|------------------|----------------------|---------------|--------------------|
| | | GLOBE PART No. | STANDARD REPLACEMENT | | |
| 1 | Converter | 1447 | 1447 | 6AL | |
| 2 | IF Amp. | 1447 | 1447 | 6V | |
| 3 | Det.-AVC-IF | 1486 | 1486 | 6W | |
| 4 | Power Output | 50L6GT | 50L6GT | 7AC | |
| 5 | Rectifier | 5514 | 5514 | 5AL | |

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

| ITEM No. | RATING | REPLACEMENT DATA | | | | IDENTIFICATION CODES AND INSTALLATION NOTES |
|----------|--------|------------------|---------------------------|------------------|----------------|---|
| | | GLOBE PART No. | CORNELL-DUBIERRE PART No. | MALLORY PART No. | SOLAR PART No. | |
| 6A | 50 | | BRUCS15 | 2N520 | M-50020-150 | TH-520 |
| 6B | 150 | | | | | |
| 7 | 500 | | | | | |
| 8 | 500 | | | | | |
| 9 | 500 | | | | | |
| 10 | 500 | | | | | |
| 11 | 500 | | | | | |
| 12 | 500 | | | | | |
| 13 | 500 | | | | | |
| 14 | 500 | | | | | |
| 15 | 500 | | | | | |
| 16 | 500 | | | | | |
| 17 | 500 | | | | | |
| 18 | 500 | | | | | |
| 19 | 500 | | | | | |

CONTROLS

| ITEM No. | RATING | REPLACEMENT DATA | | | | INSTALLATION NOTES |
|----------|--------|------------------|------------------|--------------|--------------------|--------------------|
| | | GLOBE PART No. | MALLORY PART No. | IRC PART No. | CLAROSTAT PART No. | |
| 20A | 500K | | | | | |
| 20B | 500K | | | | | |
| 20C | 500K | | | | | |

RESISTORS

| ITEM No. | RATING | REPLACEMENT DATA | | IDENTIFICATION CODES |
|----------|--------|------------------|--------------|----------------------|
| | | GLOBE PART No. | IRC PART No. | |
| 21 | 200K | | | |
| 22 | 100K | | | |
| 23 | 47K | | | |
| 24 | 47K | | | |
| 25 | 47K | | | |
| 26 | 47K | | | |
| 27 | 47K | | | |
| 28 | 47K | | | |
| 29 | 47K | | | |
| 30 | 47K | | | |
| 31 | 47K | | | |

TRANSFORMER (OUTPUT)

| ITEM No. | RATING | REPLACEMENT DATA | | INSTALLATION NOTES |
|----------|--------|------------------|----------------------------|--------------------|
| | | GLOBE PART No. | STANCOR THORDAR'N PART No. | |
| 32 | 1000VA | | | |

PARTS LIST AND DESCRIPTIONS (Continued)
 SPEAKER

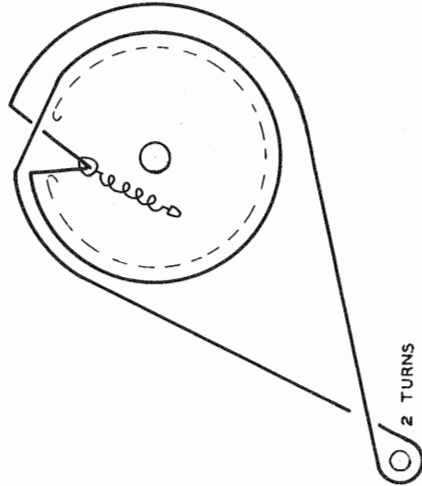
| ITEM No. | RATINGS | REPLACEMENT DATA | | INSTALLATION NOTES |
|----------|---------|------------------|-----------------|--------------------|
| | | GLOBE PART No. | JENSEN PART No. | |
| 33 | FIELD | | | |
| 34 | VOICE | | | |

R F COILS

| ITEM No. | USE | DC RES. | REPLACEMENT DATA | |
|----------|-----------|---------|------------------|-------------------|
| | | | GLOBE PART No. | MEISSNER PART No. |
| 35 | Loop Ant. | | | |
| 36 | Sec. Coil | | | |
| 37 | Input IF | | | |

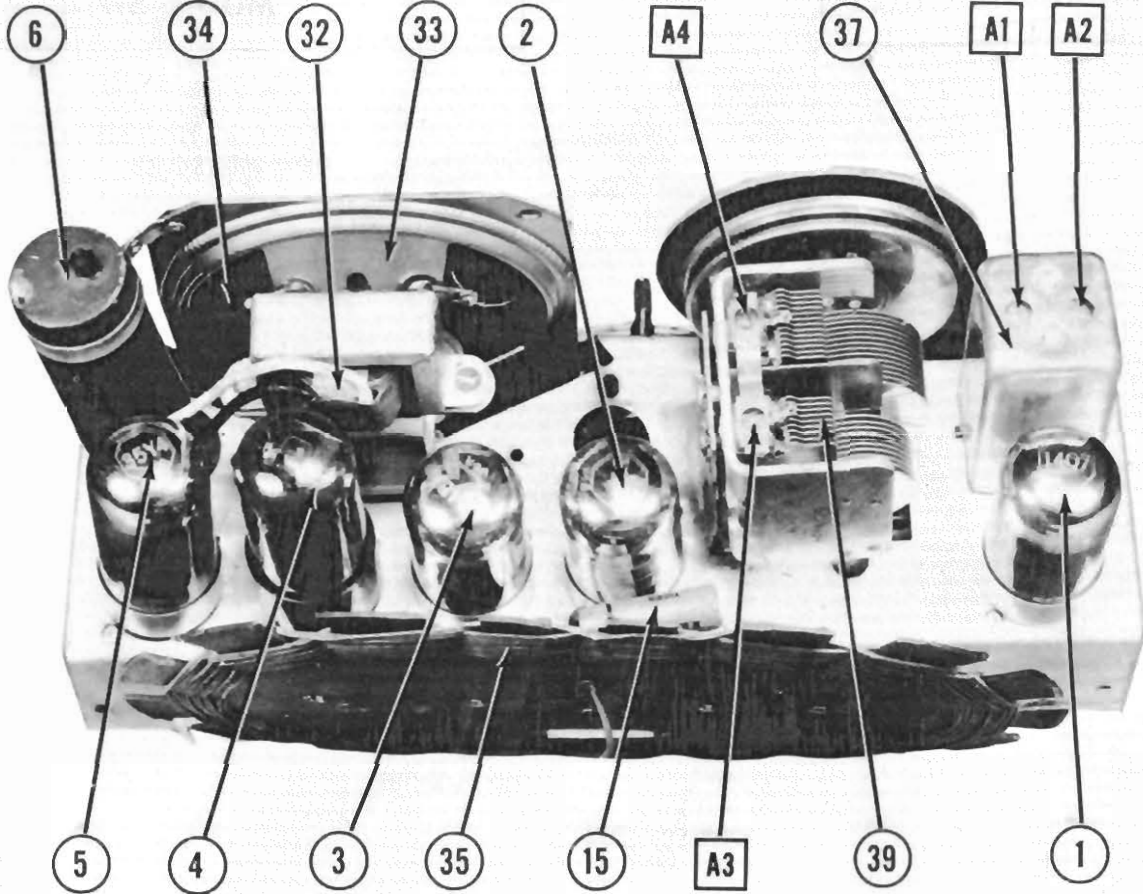
MISCELLANEOUS

| ITEM No. | PART NAME | GLOBE PART No. | NOTES |
|----------|-------------------|----------------|------------------------|
| 38 | Switch | | Radio-Phono |
| 39 | 2 Gang Var. Cap | | 24-478 100, 33-100 100 |
| | Crystal Cartridge | | ASTATIC Type L-26-A |



DIAL CORD DRIVE

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW

