

CHASSIS—TOP VIEW

| ITEM No. | USE | REPLACEMENT DATA | | RNA BASE TYPE | INSTALLATION NOTES |
|-------------|---------------------------|---------------------|-------------------------|---------------------|--------------------|
| | | PURITAN PART No. | STANDARD REPLACEMENT | | |
| | | | | | |
| 1 | Mixer | 6SA7 | 6SA7 | BR | |
| 2 | 2st IF | 6SA7 | 6SA7 | BR | |
| 3 | 1E-Det.-AFC | 6SF7 | 6SF7 | 7AZ | |
| 4 | 1st AF | 6SJ7 | 6SJ7 | 5N | |
| 5 | Power Output Rectifier | 6V6GT | 6V6GT | 7AC | |
| | | 6X5GT | 6X5GT | 6S | |

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 | | PURITAN PART No. | MALLORY PART No. | REPLACEMENT DATA | | CORNELL-DUBNER PART No. | IDENTIFICATION CODES AND INSTALLATION NOTES | |
|----------|--------|------|------------------|------------------|------------------|------------------|-------------------------|---|---------|
| | CAP. | VOLT | | | SOLAR PART No. | SPRAGUE PART No. | AEROVOX PART No. | | |
| 7A | 40 | 450 | 45X346 | FP346 | DY-240-450/20-25 | EL-330 | | • Filter ■ Cath. Bypass | UP9DU53 |
| B | 40 | 450 | | | | | | 6V6 Plate Bypass | DT6D4 |
| C | 20 | 25 | | | | | | Audio Coupling | DT481 |
| 8 | .004 | 400 | D66402 | TP407 | S-6-004 | TC-24 | 484--004 | Tone Compensation | DT481 |
| 9 | .01 | 400 | D66103 | TP421 | S-4-.01 | TC-11 | 484-.01 | Audio Plate Decoup. | DT6D4 |
| 10 | .004 | 400 | D66402 | TP407 | S-6-004 | TC-24 | 484--004 | Tone Compensation | DT481 |
| 11 | .025 | 400 | D66253 | TP451 | | | 484-.025 | Audio Screen Bypass | DT481 |
| 12 | .1 | 400 | D66104 | TP428 | S-4-.1 | TC-1 | 484-.1 | Audio Coupling | DT481 |
| 13 | .005 | 400 | D66502 | TP408 | S-6-.005 | TC-25 | 484-.005 | Tone Compensation | DT481 |
| 14 | .04 | 400 | D66403 | TP425 | S-6-.04 | TC-14 | 484-.04 | Screen Bypass | DT481 |
| 15 | .04 | 400 | D66403 | TP425 | S-6-.04 | TC-14 | 484-.04 | Screen Bypass | DT481 |
| 16 | .05 | 200 | D66503 | TP426 | S-4-.05 | TC-15 | 484-.05 | AVC Filter | DT481 |
| 17 | .04 | 400 | D66403 | TP425 | S-6-.04 | TC-14 | 484-.04 | 6SA7 Screen Bypass | DT481 |
| 18 | .0005 | 200 | D66501 | TP403 | M-0.5-0005 | TC-35 | 1468--0005 | RF Coupling | DT481 |
| 19 | 320 | 500 | 47X470 | MC241 | M-0.5-333 | 1FM-333 | 1468--0003 | Audio Plate Bypass | DT481 |
| 20 | 47 | 500 | 47X463 | MC225 | M-0.5-45 | 1FM-45 | 1468--0005 | Tone Compensation | DT481 |
| 21 | 68 | 500 | 47X471 | MC235 | M-0.5-31 | 1FM-31 | 1468--0001 | IF Filter Diode | DT481 |
| 22 | 100 | 500 | 47X476 | MC235 | M-0.5-31 | 1FM-31 | 1468--0001 | IF Filter Diode | DT481 |
| 23 | 47 | 500 | 47X463 | MC225 | M-0.5-45 | 1FM-45 | 1468--0005 | IF Coupling | DT481 |
| 24 | 68 | 500 | 47X466 | MC235 | M-0.5-31 | 1FM-31 | 1468--0001 | Osc. Grid Capacitor | DT481 |
| 25 | 286 | 500 | 47X461 | MC241 | M-0.5-33 | 1FM-33 | 1468--0003 | Fixed Pad | DT481 |
| 26 | 40 | 500 | 47X472 | MC2823 | MOS. 5-44 | MS-44 | 1469--0004 | Fixed Pad | DT481 |
| 27 | 350 | 500 | 47X474 | MC241 | MOS. 5-45 | MS-45 | 1469--0005 | Fixed Pad | DT481 |
| 28 | 47 | 500 | 47X473 | MC241 | MOS. 5-33 | MS-33 | 1468--0003 | Fixed Pad | DT481 |
| 29 | 270 | 500 | 47X445 | MC241 | MOS. 5-33 | MS-33 | 1468--0003 | Fixed Pad | DT481 |
| 30 | 400 | 500 | D67204 | TF429 | S-4-2 | TC-2 | 484--2 | RF Bypass Pwr. Supp. | DT481 |

* Used in series B models

CONTROLS

| ITEM No. | RATING | | REPLACEMENT DATA | | | | INSTALLATION NOTES |
|----------|-----------------|-------|---------------------|---------------------|-----------------|-----------------------|--------------------------------|
| | RESIST- ANCE | WATTS | FURITAN PART No. | MALLORY PART No. | IRC PART No. | CLAROSTAT PART No. | |
| 30A | 500KΩ | 1 | 361354 | TM227 | D13-153X | AT-92* | Volume Control |
| B | Shaft | | Not Req. | SS25 | E | KSS-3 | Attach to 30A per instructions |
| C | Switch | | " | M26 | 41 | SW-A | " |
| 31A | 3 Meg. | 1 | 40X280 | UM165 | D13-140 | AM-67-Z | Tone Control-See Note 1 |
| B | Not Req. | | " | SS25 | E | KSS-3 | Attach to 31A per instructions |
| 31A | 3 Meg. | 1 | 40X275 | | | | Tone Control |
| B | Shaft | | Not Req. | | | | " |

*Use 100KΩ tap, cut other tap off.
Note 1-Attach original arm to tone control shaft to actuate radio-phonc switch.

RESISTORS

| ITEM No. | RATING | | REPLACEMENT DATA | | IDENTIFICATION CODES |
|----------|------------|-------|------------------|--------------|-------------------------------------|
| | RESISTANCE | WATTS | PURITAN PART No. | IRC PART No. | |
| 32 | 2.2 Meg. | N | B55225 | BTS-2.2 Meg. | Red-Red-Grn. Converter Grid |
| 33 | 39KQ | N | C54393 | BTA-39K | Or.-White-Or. Mixer Screen Dropping |
| 34 | 39KQ | N | B94383 | BTS-39K | Or.-White-Or. Osc. Grid |
| 35 | 39KQ | N | C54393 | BTA-39K | Or.-White-Or. If Screen Dropping |
| 36 | 2200Q | N | B54222 | BTS-2200 | Red-Red-Red If Plate Load |
| 37 | 2200Q | N | B54105 | BTS-1 Meg. | Br.-Blk.-Grn. If Grid |
| 38 | 2.2 Meg. | N | B55225 | BTS-2.2 Meg. | Red-Red-Grn. AVC Network |
| 39 | 47KQ | N | B55473 | BTS-47K | Yl.-Yl.-Or. If Filter |

CHASSIS—BOTTOM VIEW

RESISTORS (CONTINUED)

| ITEM No. | RATING | | REPLACEMENT DATA | | IDENTIFICATION CODES |
|----------|---------------|-------|------------------|--------------|------------------------------------|
| | RESISTANCE | WATTS | PURITAN PART No. | IRC PART No. | |
| 40 | 15K Ω | 2 | B84153 | FTS-15K | Br.-Grn.-Or. Tone Compensation |
| 41 | 10 Meg. | 41 | B65108 | FTS-10 Meg. | Br.-Blk.-Blue 1st AF Grid |
| 42 | 470K Ω | 42 | B85474 | BTS-470K | Yl.-Vl.-Yl. 1st AF Screen Dropping |
| 43 | 33K Ω | 43 | B84533 | FTS-33K | Or.-Or.-Or. 1st AF Plate Load |
| 44 | 82K Ω | 44 | B94823 | FTS-82K | Gray-Red-Or. 1st AF Plate Filter |
| 45 | 470K Ω | 45 | B95474 | FTS-470K | Yl.-Vl.-Yl. Output Grid |
| 46 | 270K Ω | 46 | C94271 | EW-1-270 | Red-Vl.-Br. Output Cathode |
| 47 | 29 | 47 | 43X213 | EW-3-2.2 | Series Pilot Lignits |
| 48 | 1800 Ω | 48 | B84182 | FT-2-1800 | Br.-Gray-Red Filter |

TRANSFORMER (POWER)

| ITEM No. | RATING | | | | REPLACEMENT DATA | | | INSTALLATION NOTES |
|----------|----------------------------|----------------------|--------|--------|------------------|------------------|---------------------|--------------------|
| | PRI | SEC. 1 | SEC. 2 | SEC. 3 | FURITAN PART No. | STANCOR PART No. | THORDARSON PART No. | |
| 49 | 117V AC 485V CT ③ .370A | 16.35V AC ③ .060A | | | 5312B2 ③ 2.5A | | | |

TRANSFORMER (OUTPUT)

| ITEM No. | RATING | | | | REPLACEMENT DATA | | | INSTALLATION NOTES |
|----------|-----------|------|---------|-------|------------------|------------------|-------------------|-------------------------------|
| | IMPEDANCE | | DC RES. | | PURITAN PART No. | STANCOR PART No. | THORDARN PART No. | |
| | PRI. | SEC. | PRI. | SEC. | | | | |
| 50 | 6600Ω | 3.7Ω | 53Ω | 1.25Ω | A-3923 | T-13537T | 12A442 | idrill one new mounting hole. |

SPEAKER

| ITEM No. | RATINGS | REPLACEMENT DATA | | INSTALLATION NOTES |
|-------------|---|---------------------|--------------------|--|
| | | PURITAN PART No. | JENSEN PART No. | |
| 51 | FIELD WC IMP. PW 3.78 CONE DIA. 6" | 12M442 | ST-110 | |
| 52 | 7/8" | | | NOT READY REPEACEABLE-USE COMPLETE SPEAKER UNIT. |

RF COILS

| ITEM No. | USE | DC RES. | | REPLACEMENT DATA | | INSTALLATION NOTES |
|----------|---------------|---------|-------|------------------|------------------|---------------------------------|
| | | PRI. | SEC. | PURITAN PART No. | MESSNER PART No. | |
| 53 | "B" LOOP ANT. | 22Ω | 1Ω | 9A18251 | | Items 55, 56 wound on same form |
| 54 | "D" Ant. Coil | 1Ω | 1Ω | 9A1812 | | |
| 55 | "B" Osc. " | 1Ω | 2Ω | 9A1813 | | |
| 56 | "D" " | | Ω | 9A1813 | | |
| 57 | Input IF | 22Ω | 20.5Ω | 9A1814 | 16-6858 | |
| 58 | Output IF | 19.8Ω | 18.2Ω | 9A1815 | 16-6860 | |

DIAL LIGHT

| ITEM No. | BASE TYPE | VOLTS | AMPS. | BEAD COLOR | REPLACEMENT DATA | | INSTALLATION NOTES |
|-------------|----------------------|-------|-------|---------------|---------------------|--|----------------------|
| | | | | | PURTYAN PART No. | | |
| 59 | Rayonet [®] | 6-8 | 0.15 | Brown | | | Type 47 [®] |
| 60 | | 6-8 | 0.15 | | | | |

ISCELLANEOUS

| ITEM No. | PART NAME | PURITAN PART No. | NOTES |
|----------|--------------|------------------|---------------------------------|
| 51 | Hard Switch | 21365 | Radio-Phono-when 40X260 Is Used |
| 52 | Switch | 2116 | 2 Gene Variable Cap with Driver |
| 53 | Tuning Cap. | 14A154 | |
| A5 | Trimmer Cap. | 17A109 | BC Osc. Adj. 2.5-35MfF |
| A8 | Trimmer Cap. | 17A123 | SW Osc. Adj. 2.5-35MfF |
| A6 | Trimmer Cap. | 17A123 | BC Ant. Adj. 1.0-12 MfF |
| A7 | Padder Cap. | 17A155 | BC Osc. Pad 350-430 MfF |
| A9 | Trimmer Cap. | 17A164 | SK Ant. Adj. 5-50 MfF |
| | Knob | 10A578 | Tuning |
| | " | 10A579 | Volume |
| | " | 10A580 | Tone-Radio-Phono |
| | " | 10A581 | SW-BC |



