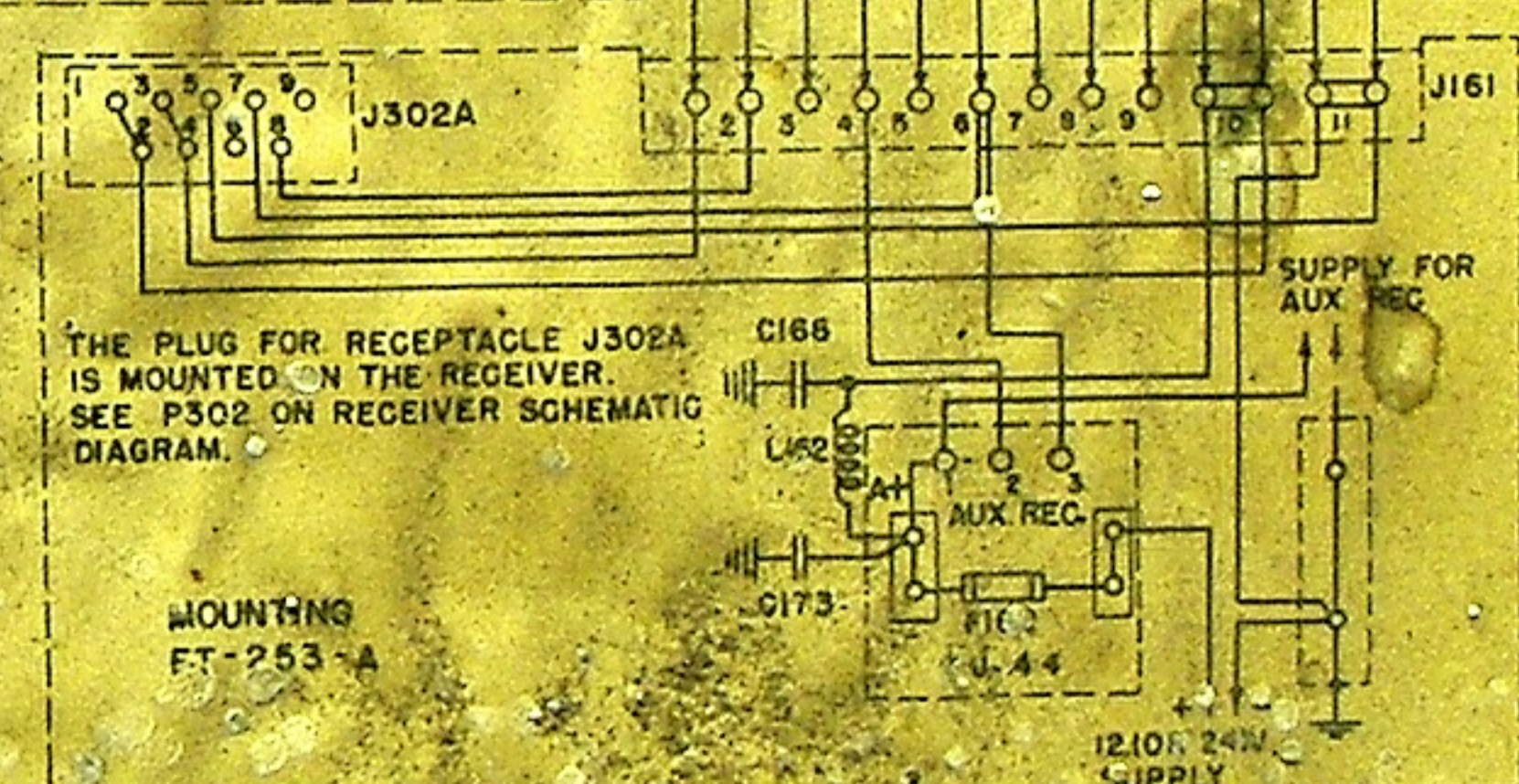
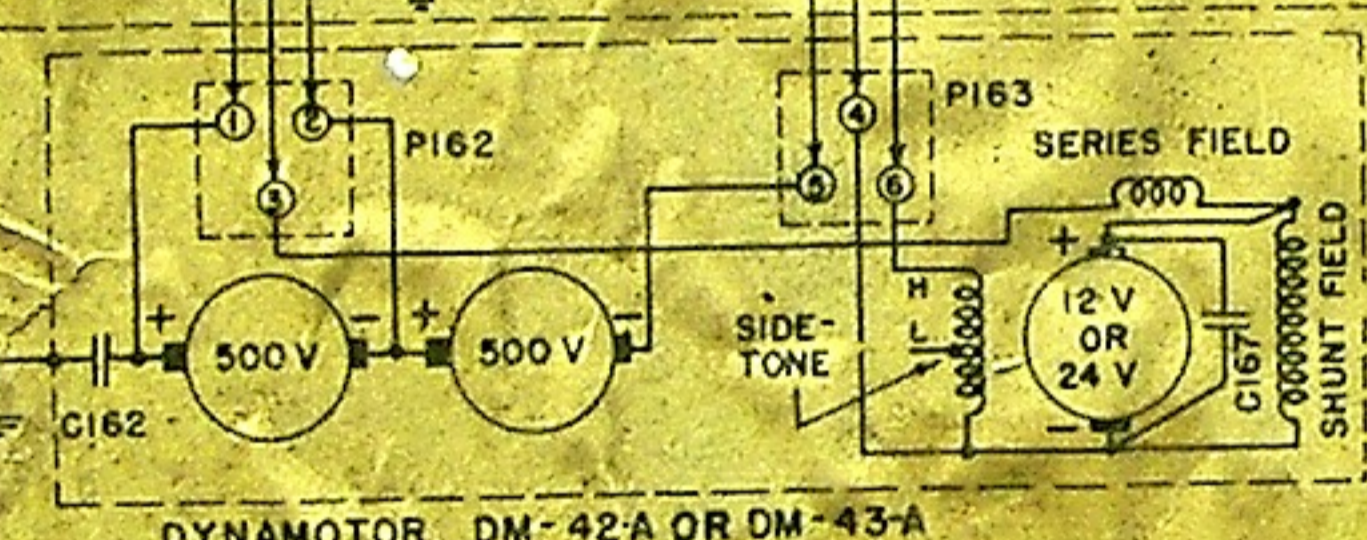
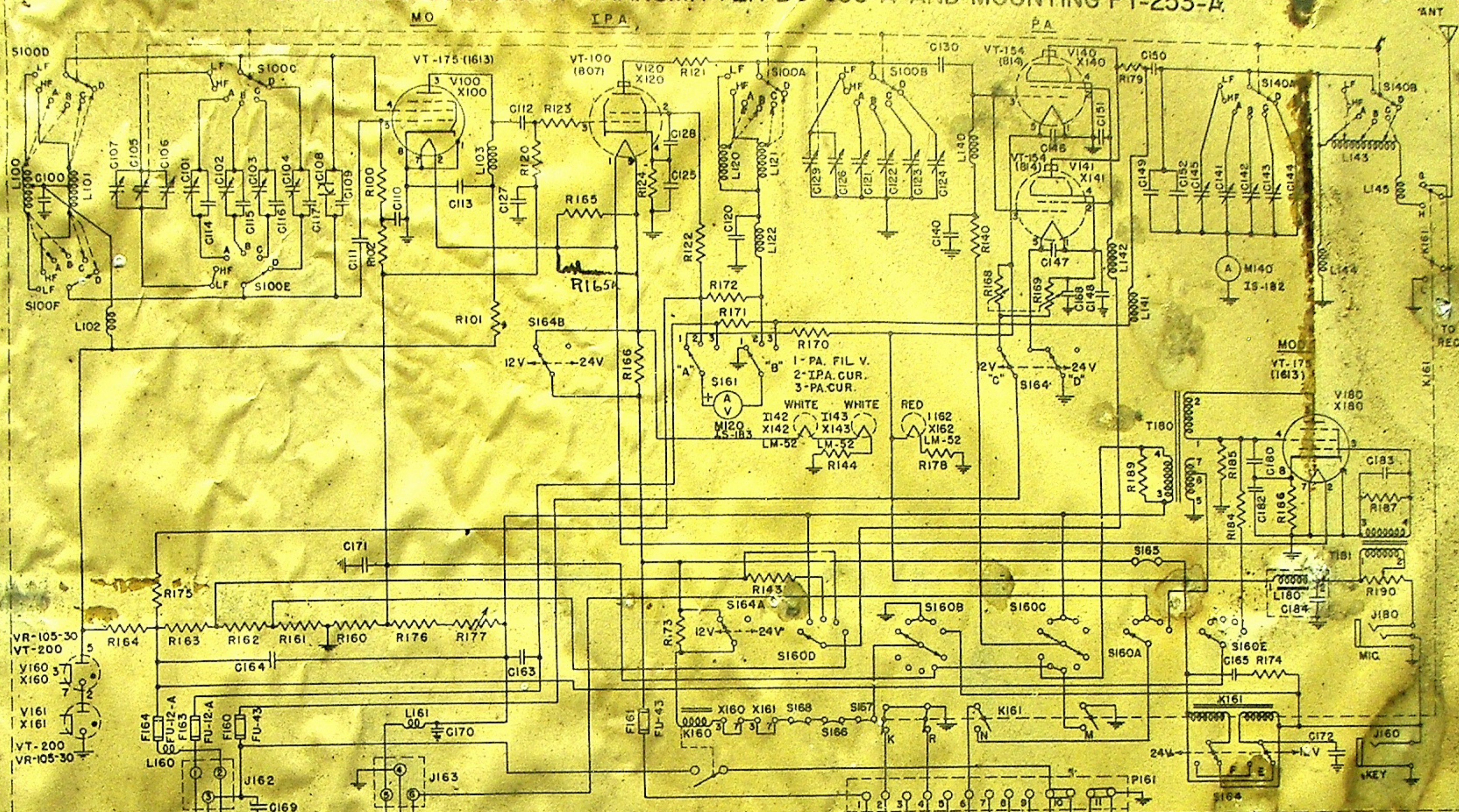


SCHEMATIC DIAGRAM OF TRANSMITTER BC-653-A AND MOUNTING FT-253-A



- FUSES**
- | | | | | |
|------|-------------|----------|-------|---------|
| F160 | K-7882557P5 | 10AMP. | 25V | FU-43 |
| F161 | K-7882557P5 | 10AMP. | 25V | FU-43 |
| F162 | G-E #1112 | 70AMP. | 250V | FU-43 |
| F163 | 787IIIPI | 0.5 AMP. | 1000V | FU-12-A |
| F164 | 787IIPI | 0.5 AMP. | 1000V | FU-12-A |

- RESISTORS (CONT.)**
- | | | |
|------|------------|---------|
| R165 | 15 OHMS | 8 WATT |
| R166 | 7 OHMS | 25 WATT |
| R168 | 1.3 OHMS | 4.2 A |
| R169 | 1.3 OHMS | 4.2 A |
| R170 | 2400 OHMS | 1 WATT |
| R171 | 25 OHMS | 8 WATT |
| R172 | 160 OHMS | 1 WATT |
| R173 | 1 OHMS | 25 WATT |
| R174 | 4.7 OHMS | 1 WATT |
| R175 | 5000 OHMS | 25 WATT |
| R176 | 1600 OHMS | 35 WATT |
| R177 | 225 OHMS | 4 A |
| R178 | 39 OHMS | 2 WATT |
| R179 | 5 OHMS | 5 WATT |
| R184 | 2000 OHMS | 2 WATT |
| R185 | 18000 OHMS | 2 WATT |
| R186 | 430 OHMS | 2 WATT |
| R187 | 33000 OHMS | 2 WATT |
| R189 | 7500 OHMS | 2 WATT |
| R190 | 200 OHMS | 2 WATT |

- TUBES**
- | | | |
|------|-----------|----------|
| V100 | GL-1613 | 4 WATT |
| V120 | GL-107 | 4 WATT |
| V140 | GL-814 | 0.5 WATT |
| V141 | GL-814 | 0.5 WATT |
| V175 | VR-105-30 | 25 WATT |
| V177 | VR-105-30 | 25 WATT |
| V178 | GL-1613 | 4 WATT |

CAPACITORS

- | | | |
|------|-------------------------|--------|
| C100 | .0002 MFD | 1000 V |
| C101 | MIN. 45, 280 MMFD SWING | 1750 V |
| C102 | MIN. 45, 280 MMFD SWING | 1750 V |
| C103 | MIN. 45, 280 MMFD SWING | 1750 V |
| C104 | MIN. 45, 280 MMFD SWING | 1750 V |
| C105 | 280 MMFD SWING | 1750 V |
| C106 | MIN. 6-9 40-45 MMFD | 1750 V |
| C107 | MIN. 4-6 24-28 MMFD | 1750 V |
| C108 | 28 MMFD K-7890705 | 1000 V |
| C109 | 70 MMFD | 250 V |
| C110 | .005 MFD | 600 V |
| C111 | .0005 MFD | 500 V |
| C112 | .002 MFD | 1000 V |
| C113 | .005 MFD | 1000 V |
| C114 | 25 MMFD | 500 V |
| C115 | 25 MMFD | 500 V |
| C116 | 25 MMFD | 500 V |
| C117 | 25 MMFD | 500 V |
| C120 | .005 MFD | 1000 V |
| C121 | MIN. 25, 180 MMFD SWING | 1500 V |
| C122 | MIN. 25, 180 MMFD SWING | 1500 V |
| C123 | MIN. 25, 180 MMFD SWING | 1500 V |
| C124 | MIN. 25, 180 MMFD SWING | 1500 V |
| C125 | .005 MFD | 1000 V |
| C126 | MIN. 5, 8 MMFD SWING | 2500 V |
| C127 | .005 MFD | 1000 V |

CAPACITORS (CONT.)

- | | | |
|------|-------------------------|--------|
| C128 | .005 MFD | 1000 V |
| C129 | 100 MMFD SWING | 1750 V |
| C130 | 40 MMFD | 1000 V |
| C140 | .0005 MFD | 2500 V |
| C141 | MIN. 33, 435 MMFD SWING | 1500 V |
| C142 | MIN. 33, 435 MMFD SWING | 1500 V |
| C143 | MIN. 33, 435 MMFD SWING | 1500 V |
| C144 | MIN. 33, 435 MMFD SWING | 1500 V |
| C145 | MIN. 33, 435 MMFD SWING | 1500 V |
| C146 | .005 MFD | 600 V |
| C147 | .005 MFD | 600 V |
| C148 | .005 MFD | 1000 V |
| C149 | 45 MMFD K-7890180 | 1000 V |
| C150 | .005 MFD | 5000 V |
| C151 | .005 MFD | 5000 V |
| C152 | 45 MMFD K-7890180 | 1000 V |
| C162 | .015 MFD | 5000 V |
| C163 | 1.0 MFD | 2400 V |
| C164 | 1.0 MFD | 2400 V |
| C165 | 1.0 MFD | 600 V |
| C166 | 25 MFD | 50 V |
| C167 | 25 MFD | 50 V |
| C168 | .02 MFD | 600 V |
| C169 | .025 MFD | 600 V |
| C170 | .05 MFD | 600 V |
| C171 | .05 MFD | 800 V |

CAPACITORS (CONT.)

- | | | |
|------|-----------|--------|
| C172 | .005 MFD | 500 V |
| C173 | 10 MFD | 1200 V |
| C180 | 1.0 MFD | 1000 V |
| C182 | 25 MFD | 50 V |
| C183 | .0001 MFD | 1000 V |
| C184 | 25 MFD | 50 V |

LIGHTS

- | | | |
|------|--------------------------|-------|
| I142 | MAZDA #47, 6.3 V., 1.5 A | LM-52 |
| I143 | MAZDA #47, 6.3 V., 1.5 A | LM-52 |
| I162 | MAZDA #47, 6.3 V., 1.5 A | LM-52 |

METERS

- | | | | |
|------|------------|-----------|--------|
| MI20 | 15 V. D.C. | 3800 OHMS | IS-183 |
| MI40 | 6 A R.F. | | IS-182 |

RESISTORS

- | | | |
|------|------------|----------|
| R100 | 22000 OHMS | 2 WATT |
| R101 | 8000 OHMS | 4 WATT |
| R102 | 4700 OHMS | 1 WATT |
| R120 | 22000 OHMS | 2 WATT |
| R121 | 5 OHMS | 5 WATT |
| R122 | 22000 OHMS | 2 WATT |
| R123 | 5 OHMS | 5 WATT |
| R124 | 390 OHMS | 2 WATT |
| R140 | 4000 OHMS | 2 WATT |
| R143 | 56000 OHMS | 0.5 WATT |
| R144 | 15 OHMS | 25 WATT |
| R160 | 2500 OHMS | 25 WATT |
| R161 | 5000 OHMS | 25 WATT |
| R162 | 3150 OHMS | 25 WATT |
| R163 | 3150 OHMS | 25 WATT |
| R164 | 5000 OHMS | 25 WATT |

(VOLTAGE RATINGS ARE 3 C TEST VOLTAGE)