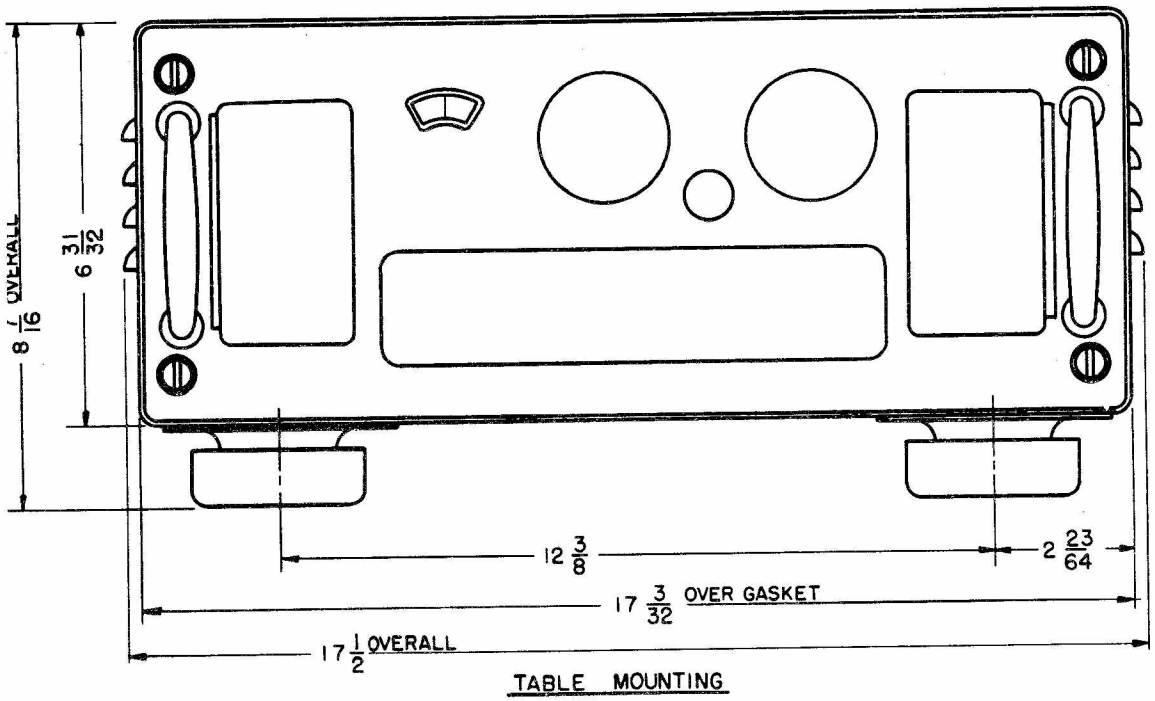
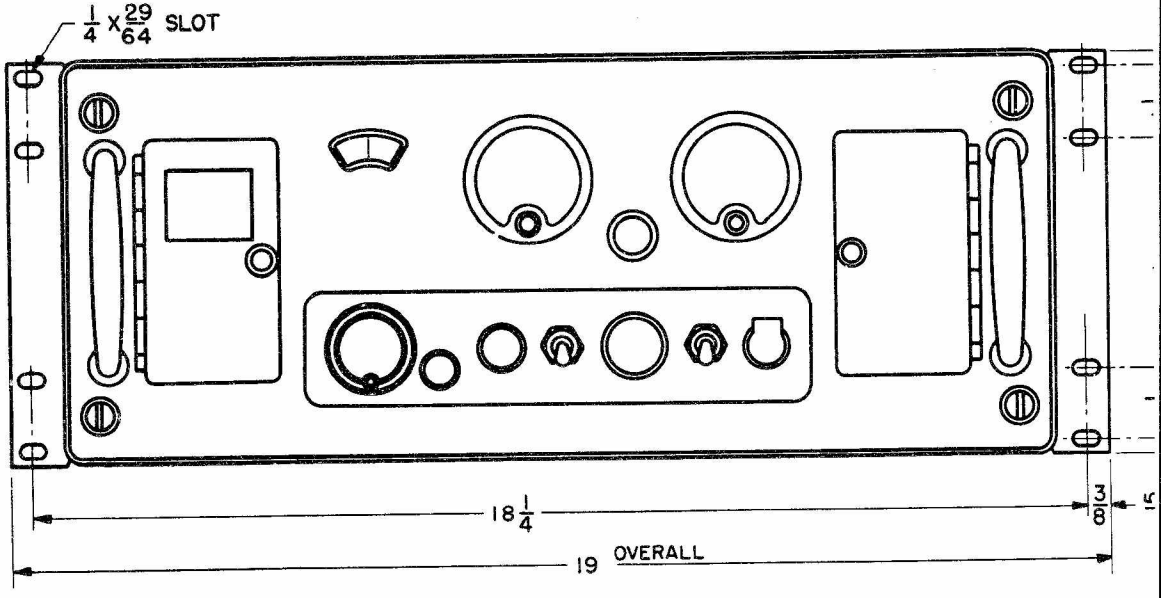
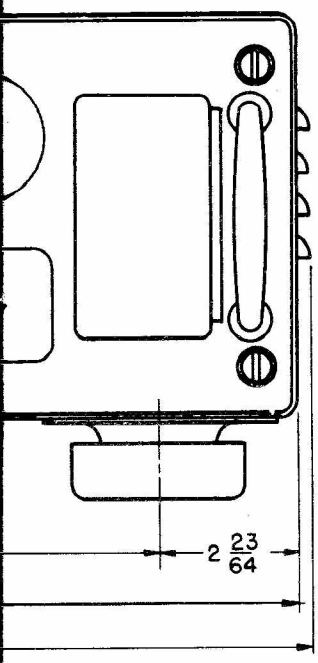


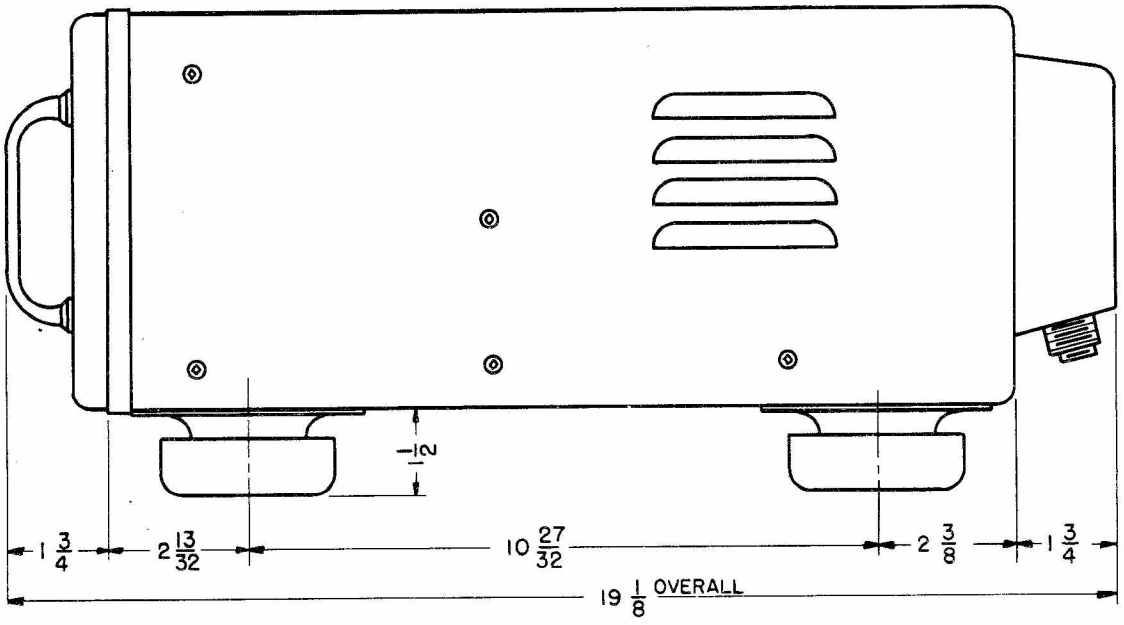
TABLE MOUNTING

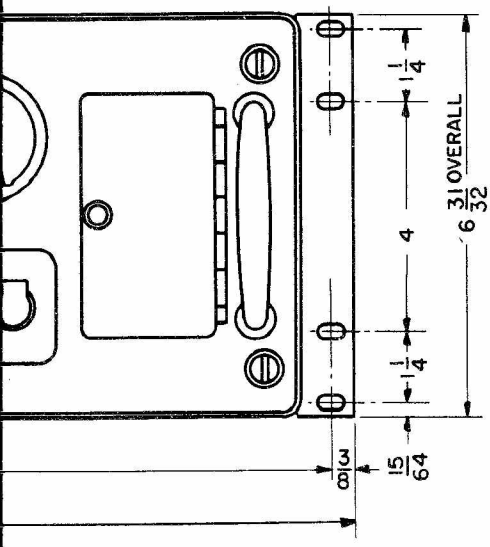


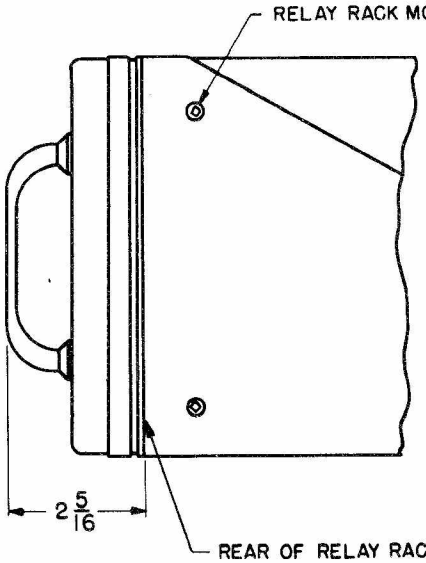
RELAY RACK MOUNTING

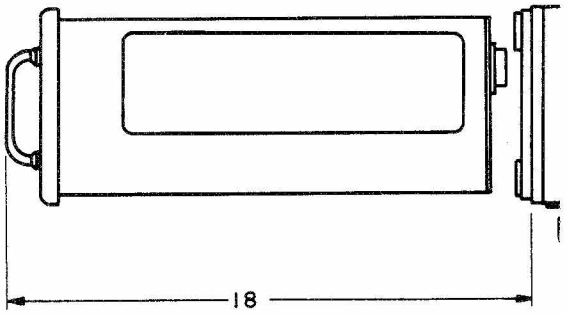
NOTE:
RECEIVER IS SUPPLIED WITH SHOCK MOUNTS AND RELAY RACK MOUNTING BRACKETS; SHOCK MOUNTS ATTACHED TO CABINET. FOR RELAY RACK MOUNTING, BRACKETS ARE FASTENED TO SIDES OF CABINET USING SCREWS ATTACHED TO CABINET.











BRACKETS; SHOCK
ARE FASTENED TO

WEIGHT — 57 POUNDS WITH SHOCK MOUNTS, LESS RELAY RACK MOUNTI

POWER REQUIRED — 120 WATTS

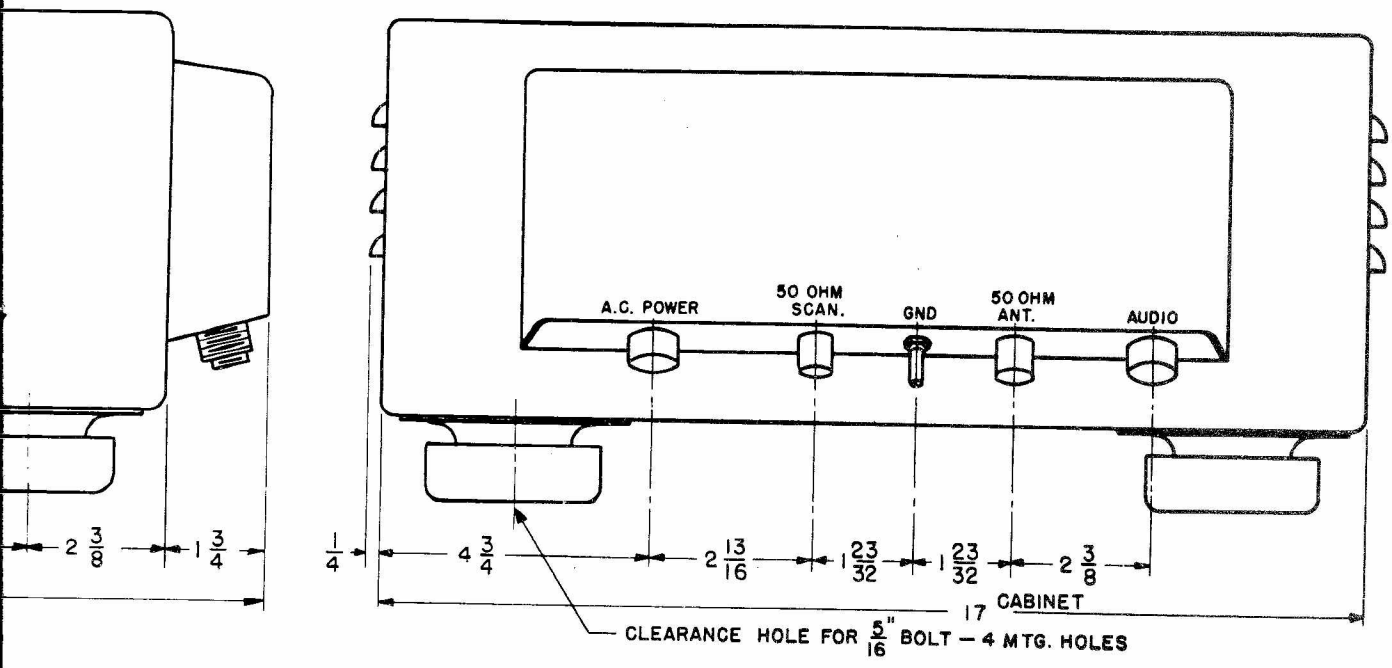
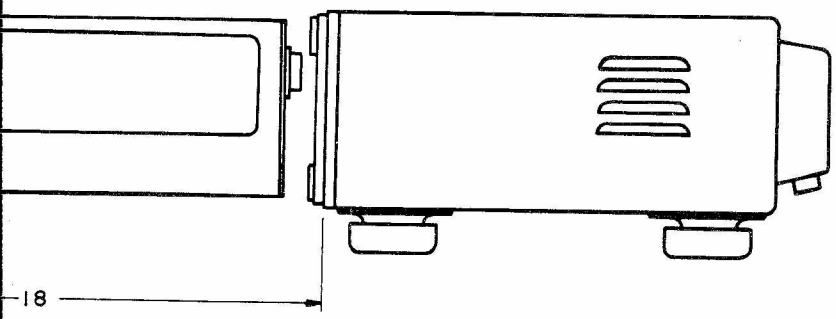


Figure 3–10. Outline Drawing—Radio Receiver R-266A/URR-13

(5)



DISTANCE REQUIRED TO REMOVE CHASSIS FROM CABINET.

TS, LESS RELAY RACK MOUNTING BRACKETS.

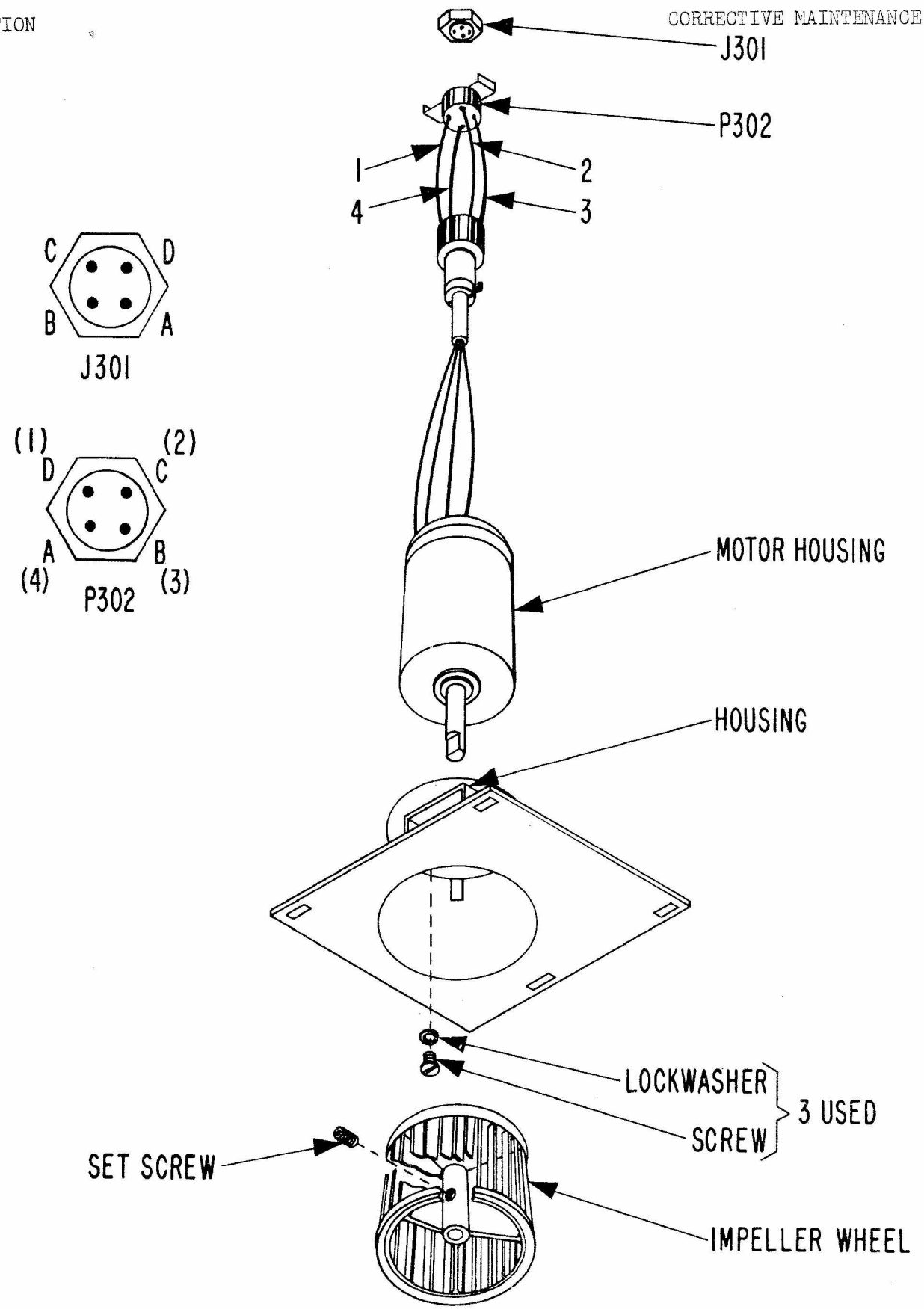
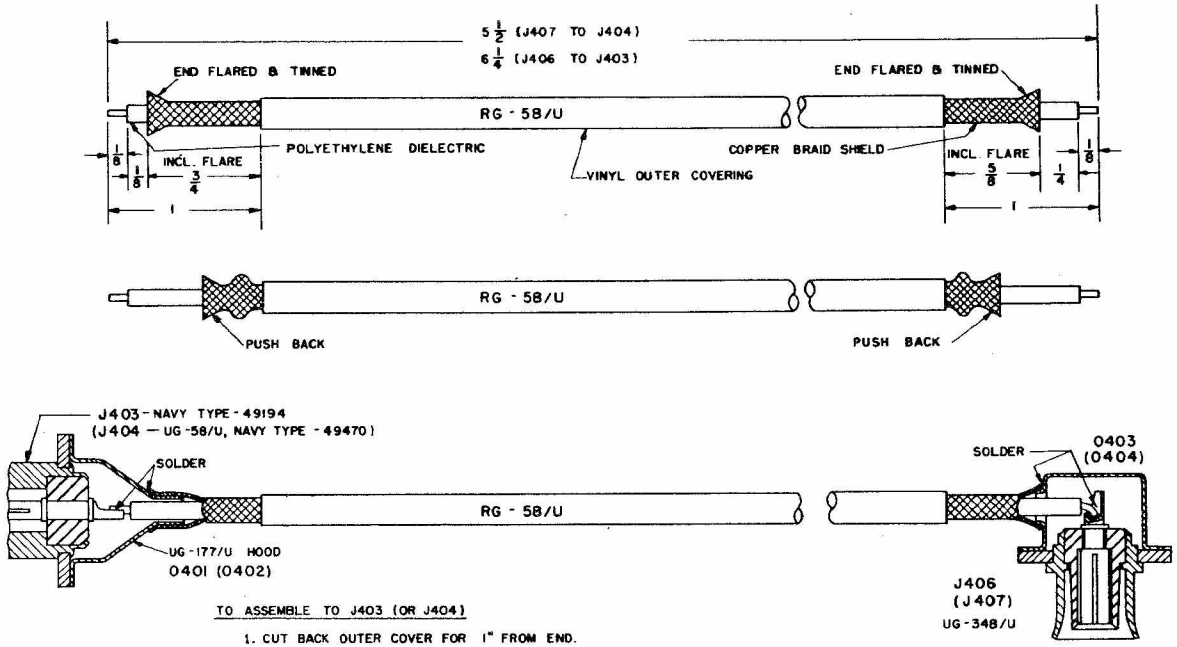


Figure 7-20 BLOWER MOTOR ASSEMBLY - BL 301, Exploded View



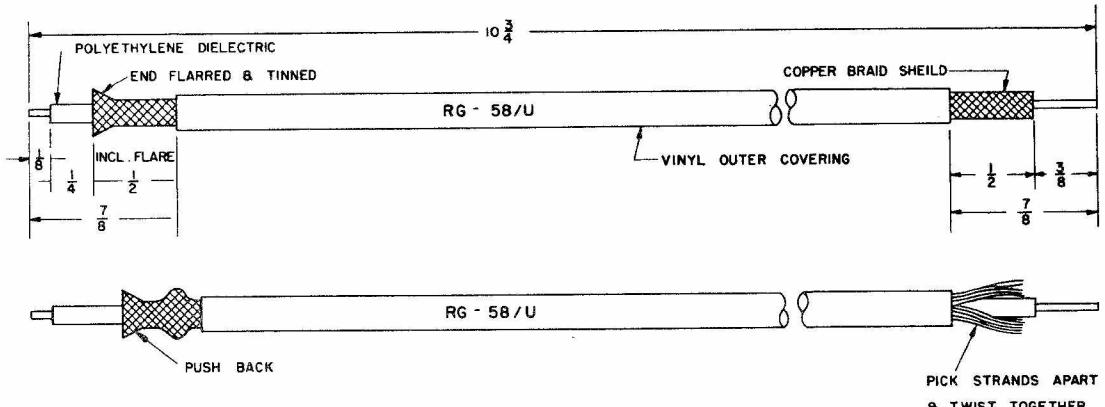
TO ASSEMBLE TO J403 (OR J404)

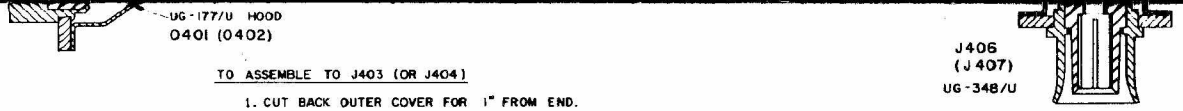
1. CUT BACK OUTER COVER FOR 1" FROM END.
2. FLARE END OF BRAID, TIN THE FLARING AND CUT BACK TO 1/4" FROM END, AS SHOWN.
3. PUSH BRAID BACK AWAY FROM END, AS SHOWN.
4. REMOVE INSULATION AT TIP FOR 1/8", USING CARE NOT TO NICK INNER CONDUCTOR.
5. PUSH DIELECTRIC THRU HOLE IN HOOD AND SOLDER WIRE TIP TO TERMINAL OF J403 (OR J404).
6. BOLT HOOD TO CONNECTOR.
7. PUSH FLARED END OF BRAID BACK OVER HOLE IN HOOD AND SOLDER BRAID TO HOOD ALL AROUND.

TO ASSEMBLE TO J406 (OR J407)

1. PROCEDURE SAME AS FOR ASSEMBLY TO J403 (OR J404), EXCEPT TINNED FLARING IS CUT BACK TO 3/8" FROM END.

Figure 7—11A. Method of Assembling R-f Cable to Antenna Input Receptacles J404 and J407, and/or to Scan Output Receptacles J403 and J406





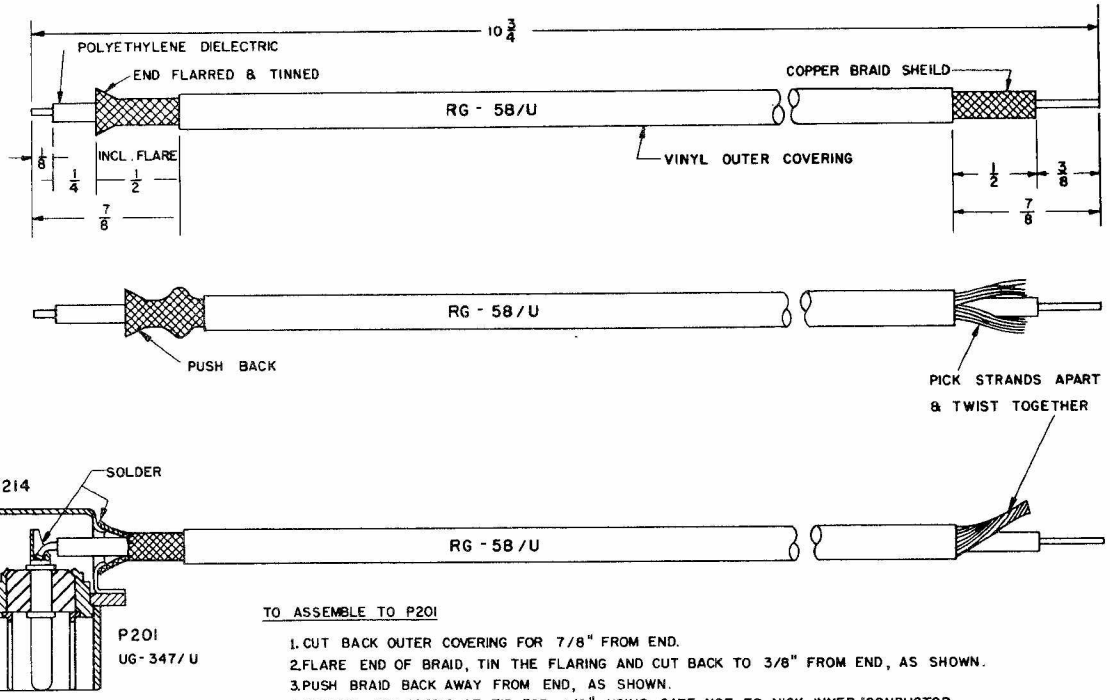
TO ASSEMBLE TO J403 (OR J404)

1. CUT BACK OUTER COVER FOR 1" FROM END.
2. FLARE END OF BRAID, TIN THE FLARING AND CUT BACK TO 1/4" FROM END, AS SHOWN.
3. PUSH BRAID BACK AWAY FROM END, AS SHOWN.
4. REMOVE INSULATION AT TIP FOR 1/8", USING CARE NOT TO NICK INNER CONDUCTOR.
5. PUSH DIELECTRIC THRU HOLE IN HOOD AND SOLDER WIRE TIP TO TERMINAL OF J403 (OR J404).
6. BOLT HOOD TO CONNECTOR.
7. PUSH FLARED END OF BRAID BACK OVER HOLE IN HOOD AND SOLDER BRAID TO HOOD ALL AROUND.

TO ASSEMBLE TO J406 (OR J407)

1. PROCEDURE SAME AS FOR ASSEMBLY TO J403 (OR J404), EXCEPT TINNED FLARING IS CUT BACK TO 3/8" FROM END.

Figure 7—11A. Method of Assembling R-f Cable to Antenna Input Receptacles J404 and J407, and/or to Scan Output Receptacles J403 and J406



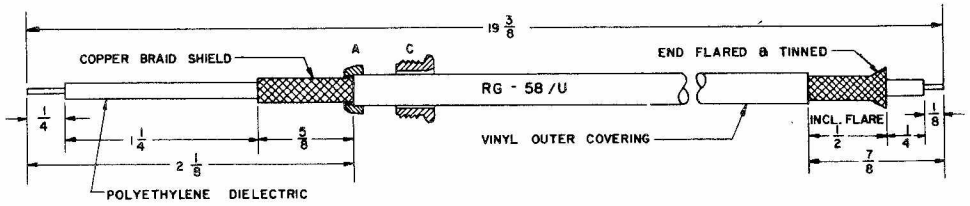
TO ASSEMBLE TO P201

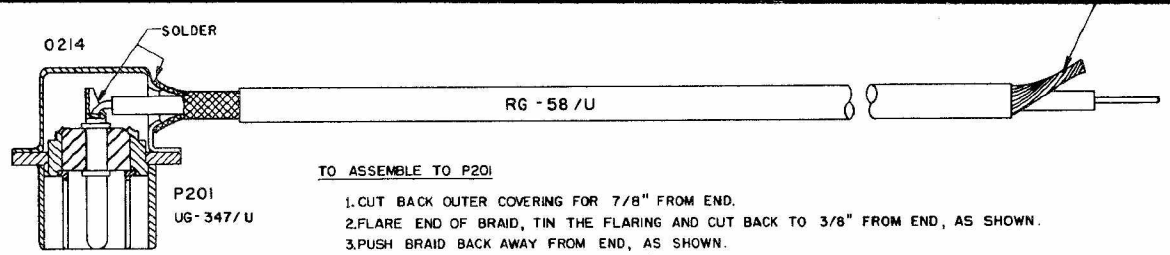
1. CUT BACK OUTER COVERING FOR 7/8" FROM END.
2. FLARE END OF BRAID, TIN THE FLARING AND CUT BACK TO 3/8" FROM END, AS SHOWN.
3. PUSH BRAID BACK AWAY FROM END, AS SHOWN.
4. REMOVE DIELECTRIC AT TIP FOR 1/8", USING CARE NOT TO NICK INNER CONDUCTOR.
5. PUSH DIELECTRIC THRU HOLE IN SIDE OF HOOD AND SOLDER WIRE TIP TO TERMINAL OF P201.
6. BOLT HOOD TO CONNECTOR.
7. PUSH FLARED END OF BRAID BACK OVER HOLE IN HOOD AND SOLDER BRAID TO HOOD ALL AROUND.

TO PREPARE FREE END

1. CUT BACK OUTER COVERING AND COPPER BRAID TO DISTANCES SHOWN, AND REMOVED DIELECTRIC TO EDGE OF BRAID (3/8") USING CARE NOT TO NICK INNER CONDUCTOR.
2. PICK APART STRANDS OF BRAID, PULL THESE TO ONE SIDE OF DIELECTRIC AND TWIST TO FORM SINGLE STRAND, AS SHOWN.

Figure 7—11B. Method of Assembling R-f Cable to Scan Output Receptacle P201 on Receiver Chassis, and of Preparation of Free End for Connection into IF/AF Section





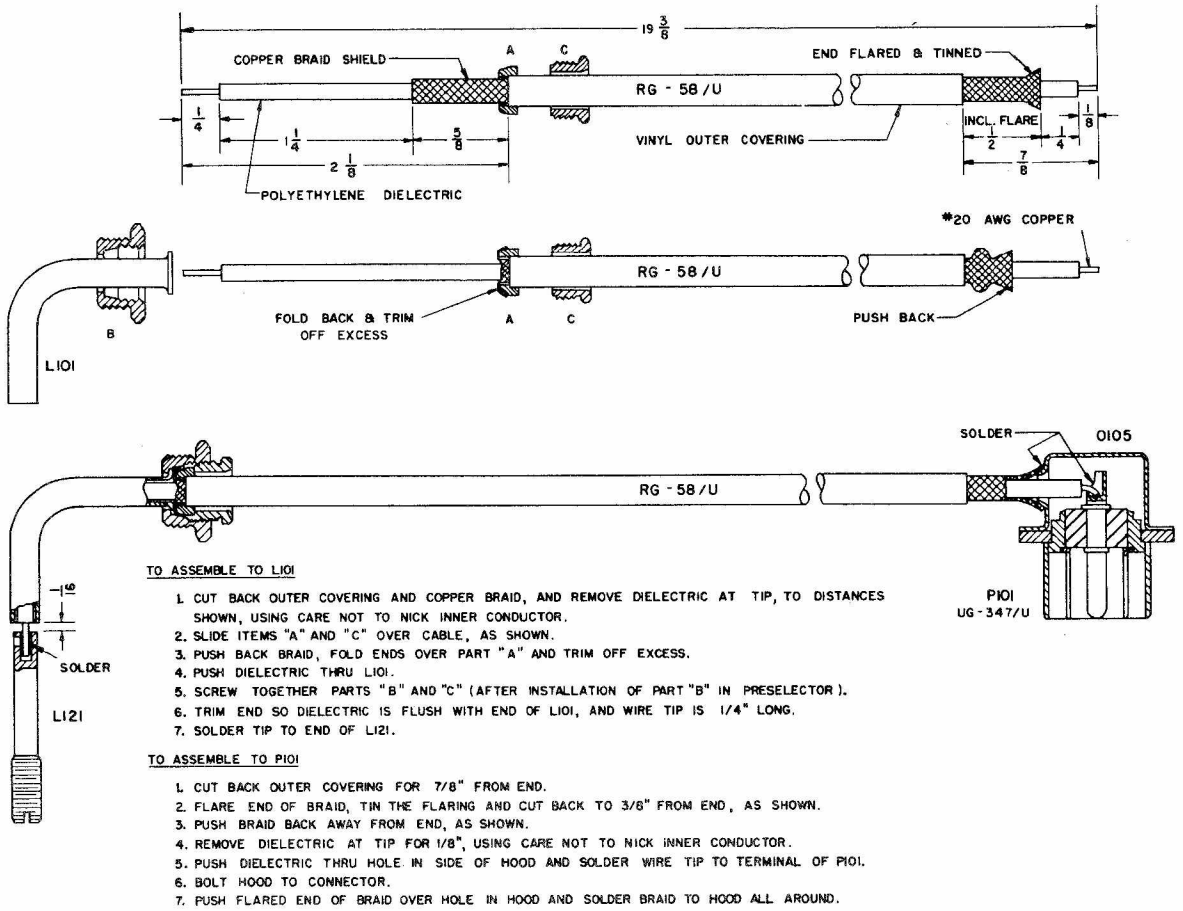
TO ASSEMBLE TO P201

1. CUT BACK OUTER COVERING FOR 7/8" FROM END.
2. FLARE END OF BRAID, TIN THE FLARING AND CUT BACK TO 3/8" FROM END, AS SHOWN.
3. PUSH BRAID BACK AWAY FROM END, AS SHOWN.
4. REMOVE DIELECTRIC AT TIP FOR 1/8", USING CARE NOT TO NICK INNER CONDUCTOR.
5. PUSH DIELECTRIC THRU HOLE IN SIDE OF HOOD AND SOLDER WIRE TIP TO TERMINAL OF P201.
6. BOLT HOOD TO CONNECTOR.
7. PUSH FLARED END OF BRAID BACK OVER HOLE IN HOOD AND SOLDER BRAID TO HOOD ALL AROUND.

TO PREPARE FREE END

1. CUT BACK OUTER COVERING AND COPPER BRAID TO DISTANCES SHOWN, AND REMOVED DIELECTRIC TO EDGE OF BRAID (3/8") USING CARE NOT TO NICK INNER CONDUCTOR.
2. PICK APART STRANDS OF BRAID, PULL THESE TO ONE SIDE OF DIELECTRIC AND TWIST TO FORM SINGLE STRAND, AS SHOWN.

Figure 7—11B. Method of Assembling R-f Cable to Scan Output Receptacle P201 on Receiver Chassis, and of Preparation of Free End for Connection into IF/AF Section



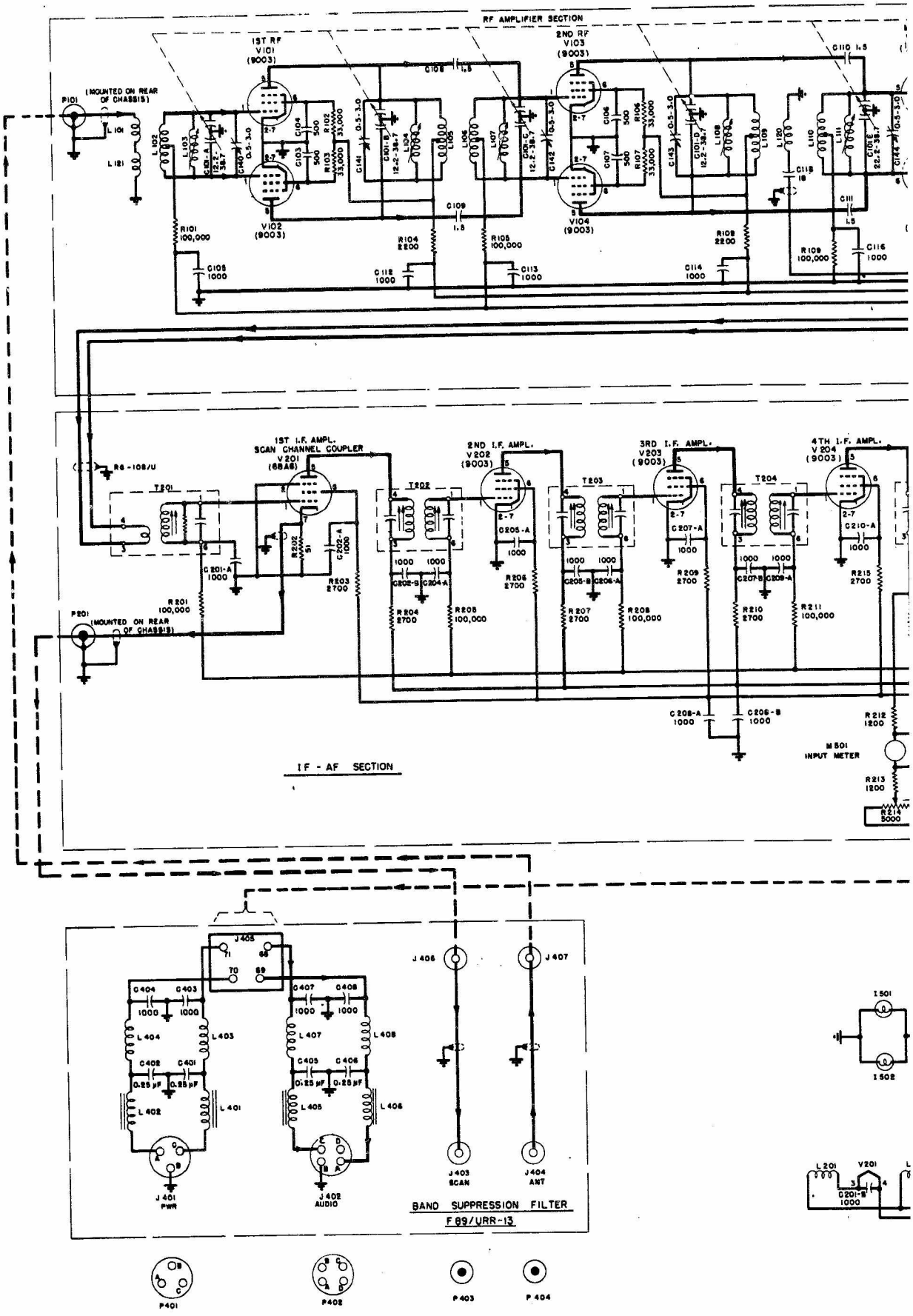
TO ASSEMBLE TO L101

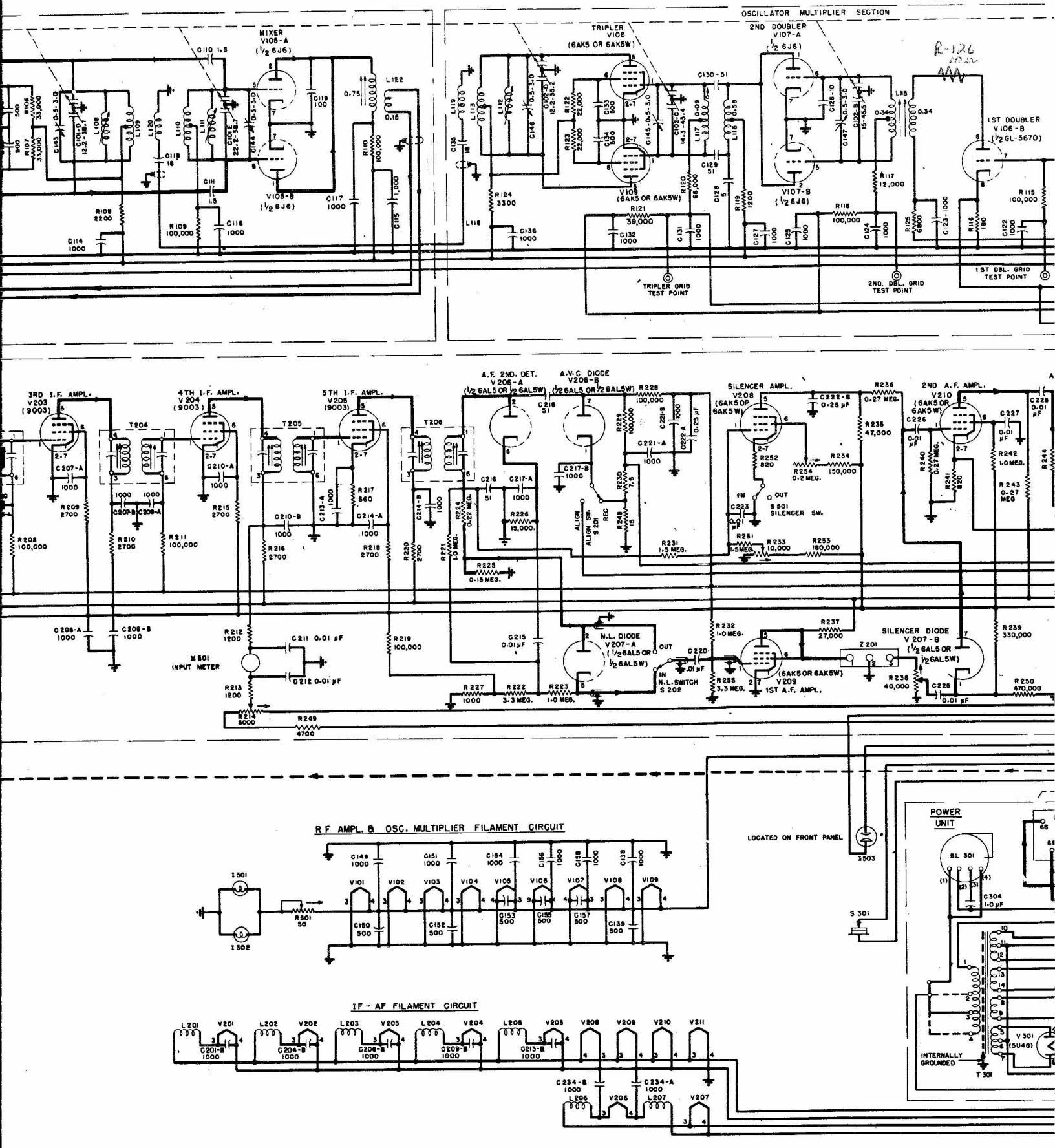
1. CUT BACK OUTER COVERING AND COPPER BRAID, AND REMOVE DIELECTRIC AT TIP, TO DISTANCES SHOWN, USING CARE NOT TO NICK INNER CONDUCTOR.
2. SLIDE ITEMS "A" AND "C" OVER CABLE, AS SHOWN.
3. PUSH BACK BRAID, FOLD ENDS OVER PART "A" AND TRIM OFF EXCESS.
4. PUSH DIELECTRIC THRU L101.
5. SCREW TOGETHER PARTS "B" AND "C" (AFTER INSTALLATION OF PART "B" IN PRESELECTOR).
6. TRIM END SO DIELECTRIC IS FLUSH WITH END OF L101, AND WIRE TIP IS 1/4" LONG.
7. SOLDER TIP TO END OF L121.

TO ASSEMBLE TO P101

1. CUT BACK OUTER COVERING FOR 7/8" FROM END.
2. FLARE END OF BRAID, TIN THE FLARING AND CUT BACK TO 3/8" FROM END, AS SHOWN.
3. PUSH BRAID BACK AWAY FROM END, AS SHOWN.
4. REMOVE DIELECTRIC AT TIP FOR 1/8", USING CARE NOT TO NICK INNER CONDUCTOR.
5. PUSH DIELECTRIC THRU HOLE IN SIDE OF HOOD AND SOLDER WIRE TIP TO TERMINAL OF P101.
6. BOLT HOOD TO CONNECTOR.
7. PUSH FLARED END OF BRAID OVER HOLE IN HOOD AND SOLDER BRAID TO HOOD ALL AROUND.

Figure 7—11C. Method of Assembling R-f Cable to Antenna Input Receptacle P101 on Receiver Chassis, and to Shield L101 in R-f Amplifier Section of Preamplifier


RF AMPLIFIER SECTION
1ST RF V101 (9003)
2ND RF V103 (9003)
V102 (9003)
V104 (9003)
P101 (MOUNTED ON REAR OF CHASSIS)
L 101
L 121
R101 100,000
R104 2200
R105 100,000
R108 2200
R109 100,000
C105 1000
C112 1000
C113 1000
C114 1000
C116 1000
C109 1.5
C110 1.5
C111 1.5
C118 10
1ST I.F. AMPL. SCAN CHANNEL COUPLER V201 (6BA6)
2ND I.F. AMPL. V202 (9003)
3RD I.F. AMPL. V203 (9003)
4TH I.F. AMPL. V204 (9003)
R6-108/U
T201
T202
T203
T204
R201 100,000
R202 51
R203 2700
R204 2700
R205 100,000
R206 2700
R207 2700
R208 100,000
R209 2700
R210 2700
R211 100,000
R212 1200
R213 1200
R214 5000
C201-A 1000
C202-A 1000
C202-B C204-A 1000
C205-A 1000
C205-B C206-A 1000
C207-A 1000
C207-B C209-A 1000
C208-A 1000
C208-B 1000
C210-A 1000
P201 (MOUNTED ON REAR OF CHASSIS)
M501 INPUT METER
IF - AF SECTION
J405
J406
J407
J403 SCAN
J404 ANT
J401 PWR
J402 AUDIO
BAND SUPPRESSION FILTER
F 89/URR-13
L 401
L 402
L 403
L 404
L 405
L 406
L 407
L 408
C401 0.25 µF
C402 0.25 µF
C403 0.25 µF
C404 0.25 µF
C405 0.25 µF
C406 0.25 µF
C407 1000
C408 1000
C403 1000
C404 1000
P401
P402
P403
P404
1501
1502
L201
V201
C201-B 1000


OSCILLATOR MULTIPLIER SECTION
MIXER V105-A (½ 6J6)
V105-B (½ 6J6)
TRIPLER V108 (6AK5 OR 6AK5W)
2ND DOUBLER V107-A (½ 6J6)
V107-B (½ 6J6)
1ST DOUBLER V106-B (½ 6GL-5670)
TRIPLER GRID TEST POINT
2ND. DBL. GRID TEST POINT
1ST DBL. GRID TEST POINT
3RD I.F. AMPL. V203 (9003)
4TH I.F. AMPL. V204 (9003)
5TH I.F. AMPL. V205 (9003)
A.F. 2ND. DET. V206-A (½ 6AL5 OR ½ 6AL5W)
A.V.C. DIODE V206-B (½ 6AL5 OR ½ 6AL5W)
SILENCER AMPL. V208 (6AK5 OR 6AK5W)
2ND A.F. AMPL. V210 (6AK5 OR 6AK5W)
S 501 SILENCER SW.
N.L. DIODE V207-A (½ 6AL5 OR ½ 6AL5W)
N.L. SWITCH S 202
1ST A.F. AMPL. V209 (6AK5 OR 6AK5W)
SILENCER DIODE V 207-B (½ 6AL5 OR ½ 6AL5W)
M 501 INPUT METER
R F AMPL. & OSC. MULTIPLIER FILAMENT CIRCUIT
IF - AF FILAMENT CIRCUIT
LOCATED ON FRONT PANEL
POWER UNIT
BL 301
S 301
V 301 (5U4G)
INTERNALLY GROUNDED
T 301

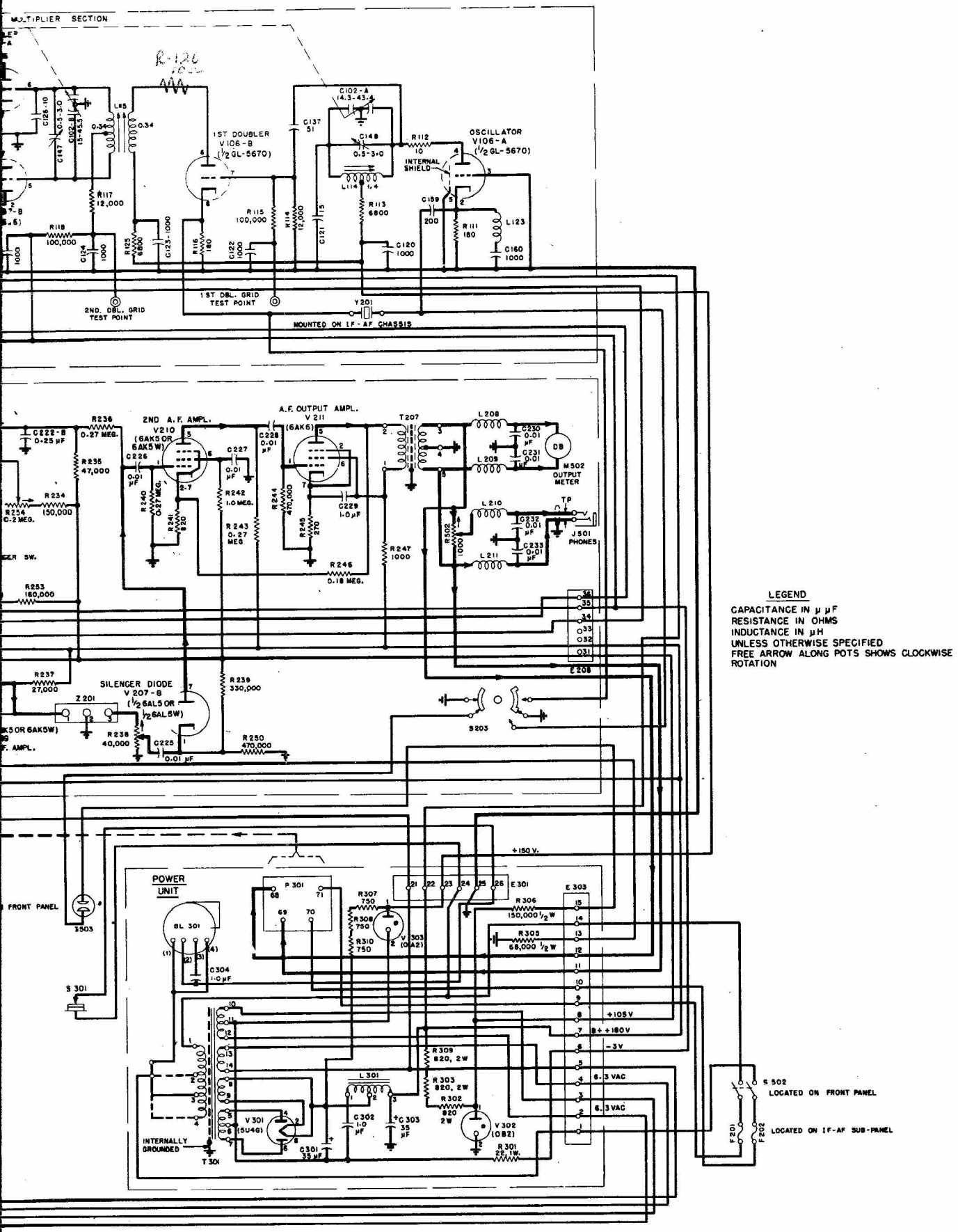


Figure 7–17. Schematic (Overall)—Radio Receiver R-266A/URR-13

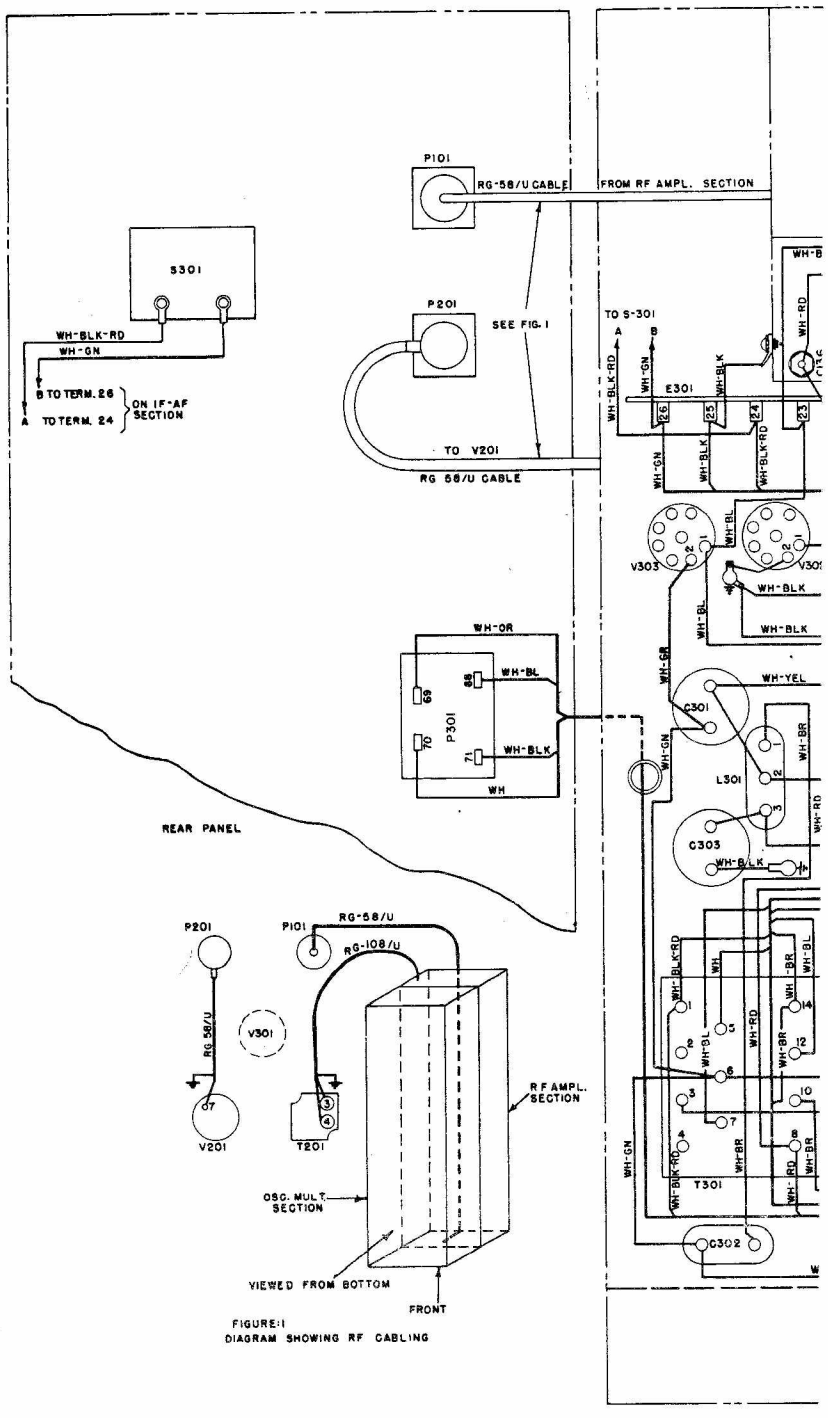
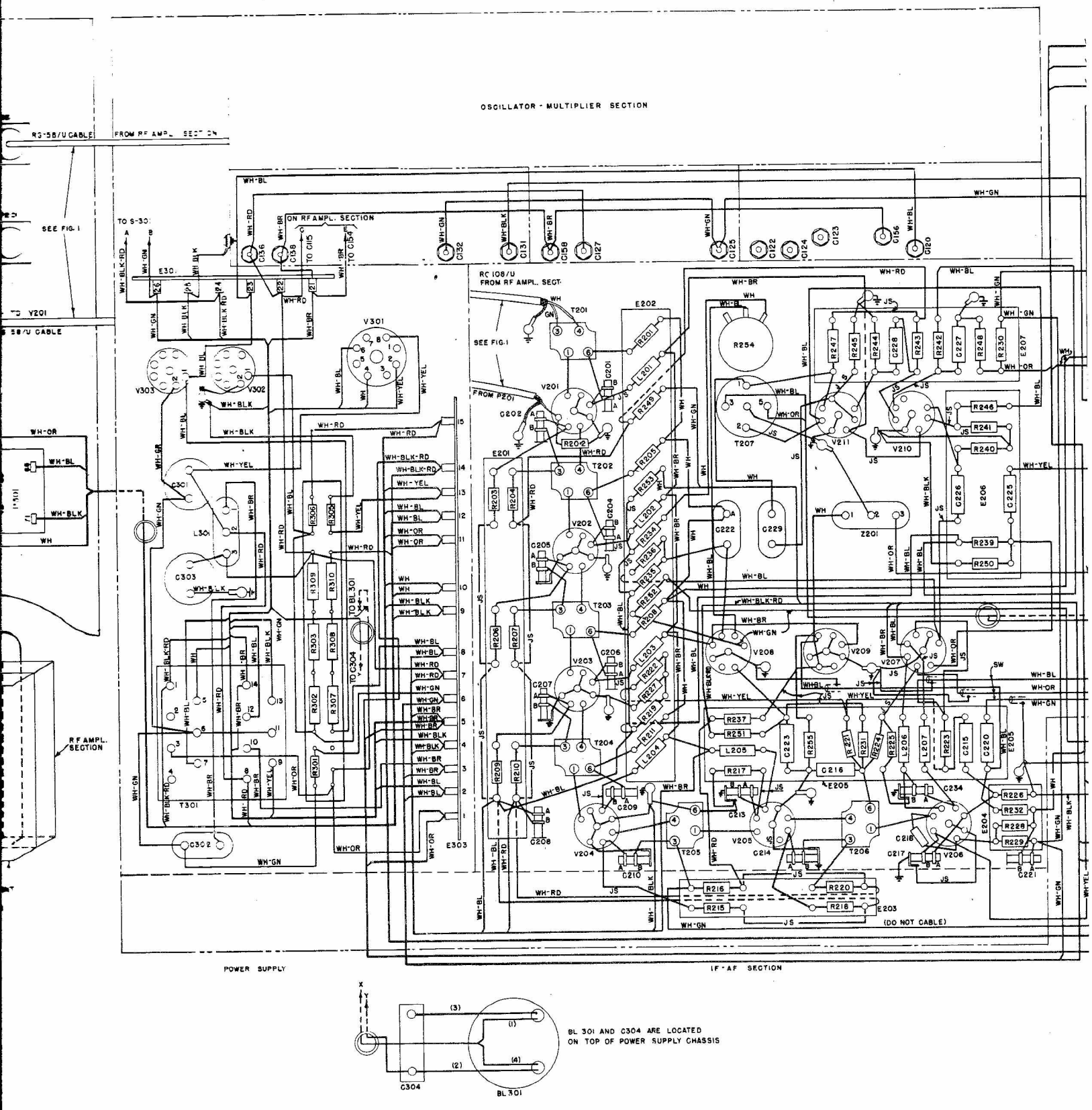
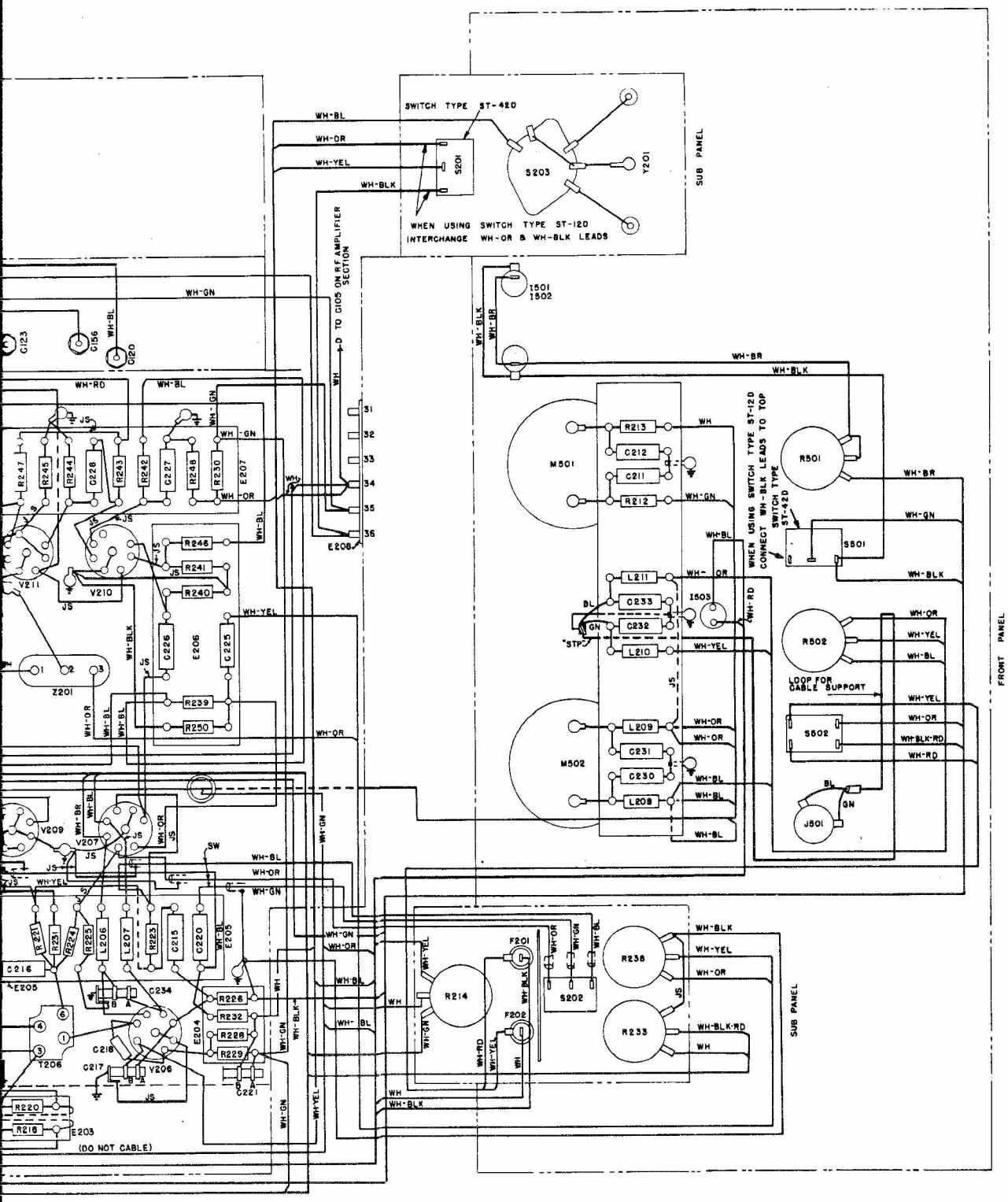
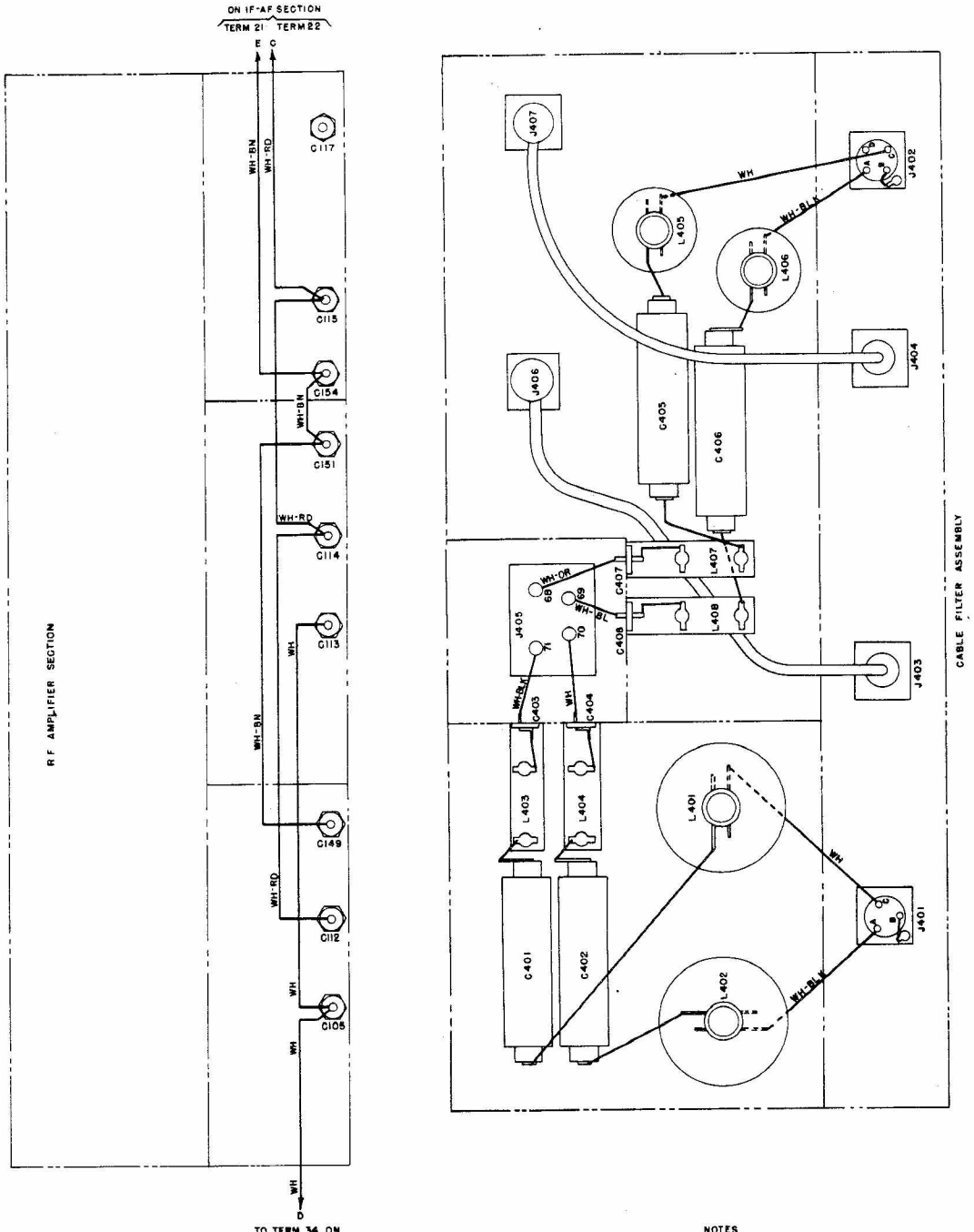


FIGURE:1
DIAGRAM SHOWING RF CABLING


OSCILLATOR - MULTIPLIER SECTION
RG-58/U CABLE
FROM RF AMPL. SECTION
SEE FIG. 1
TO V201
TO S-30
ON RF AMPL. SECTION
RC 108/U
FROM RF AMPL. SECT.
FROM P201
RF AMPL. SECTION
POWER SUPPLY
IF-AF SECTION
(DO NOT CABLE)
BL 301 AND C304 ARE LOCATED
ON TOP OF POWER SUPPLY CHASSIS

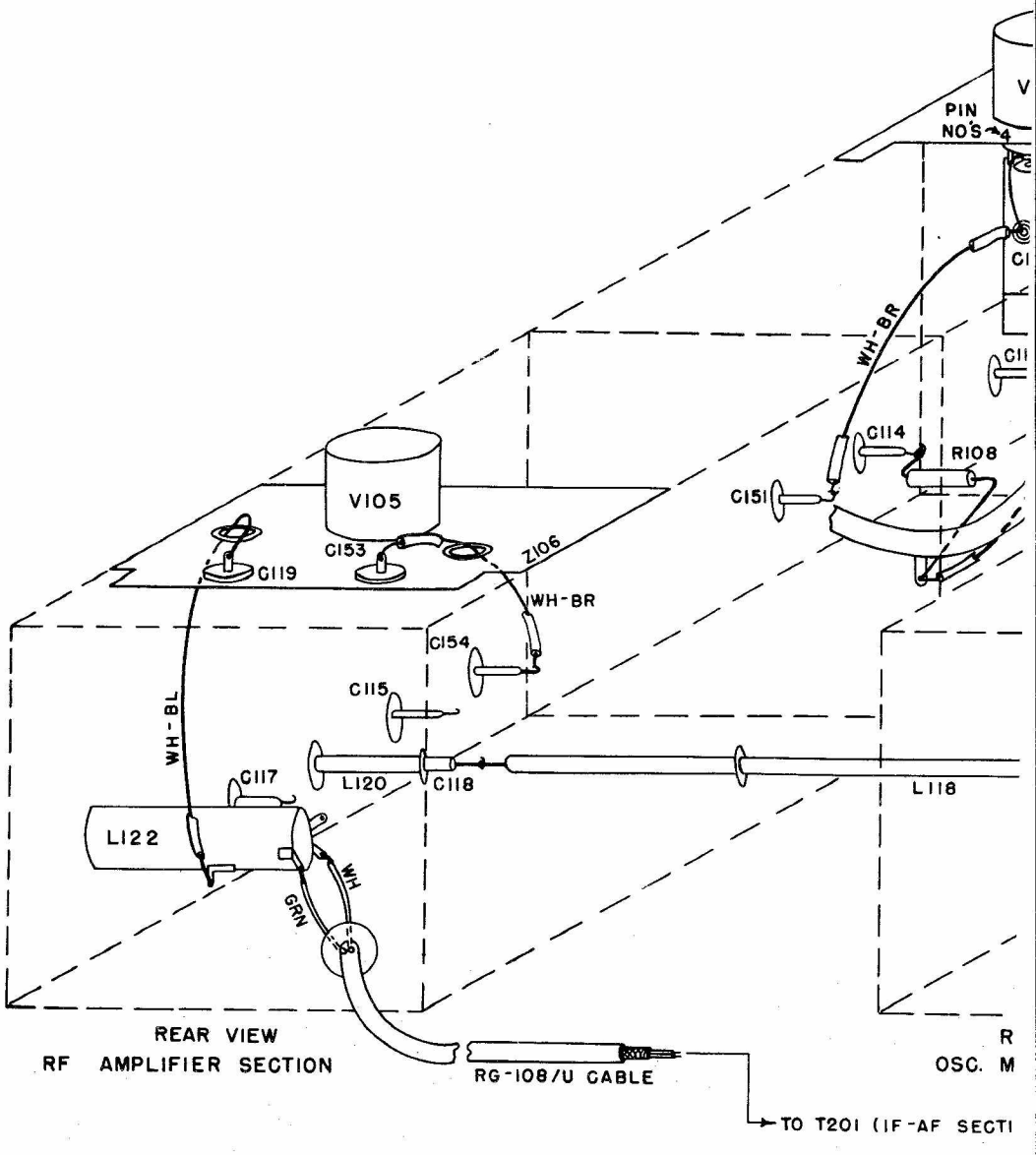

SWITCH TYPE ST-420
S201
S203
Y201
SUB PANEL
WHEN USING SWITCH TYPE ST-120
INTERCHANGE WH-OR & WH-BLK LEADS
WH-BL
WH-OR
WH-YEL
WH-BLK
WH-GN
WH-RD
WH-BR
TO GIOS ON R.F. AMPLIFIER SECTION
1501
1502
M501
M502
R501
R502
S501
S502
J501
R213
C212
C211
R212
L211
C233
C232
L210
L209
C231
C230
L208
I503
WHEN USING SWITCH TYPE ST-120
CONNECT WH-BLK LEADS TO TOP
SWITCH TYPE ST-420
LOOP FOR CABLE SUPPORT
FRONT PANEL
R.F. AMPLIFIER SECTION
V211
V210
V209
V207
V206
Z201
T206
E205
E206
E207
E208
E204
E203
(DO NOT CABLE)
R247
R245
R244
C228
R243
R242
C227
R246
R230
R241
R240
C226
C225
R239
R250
C216
R231
R224
R225
L206
L207
R223
C215
C220
R226
R232
R228
R229
C234
C218
C217
C221
R220
R216
C123
C156
C120
F201
F202
S202
R214
R238
R233
SUB PANEL
SW
JS
"STP"

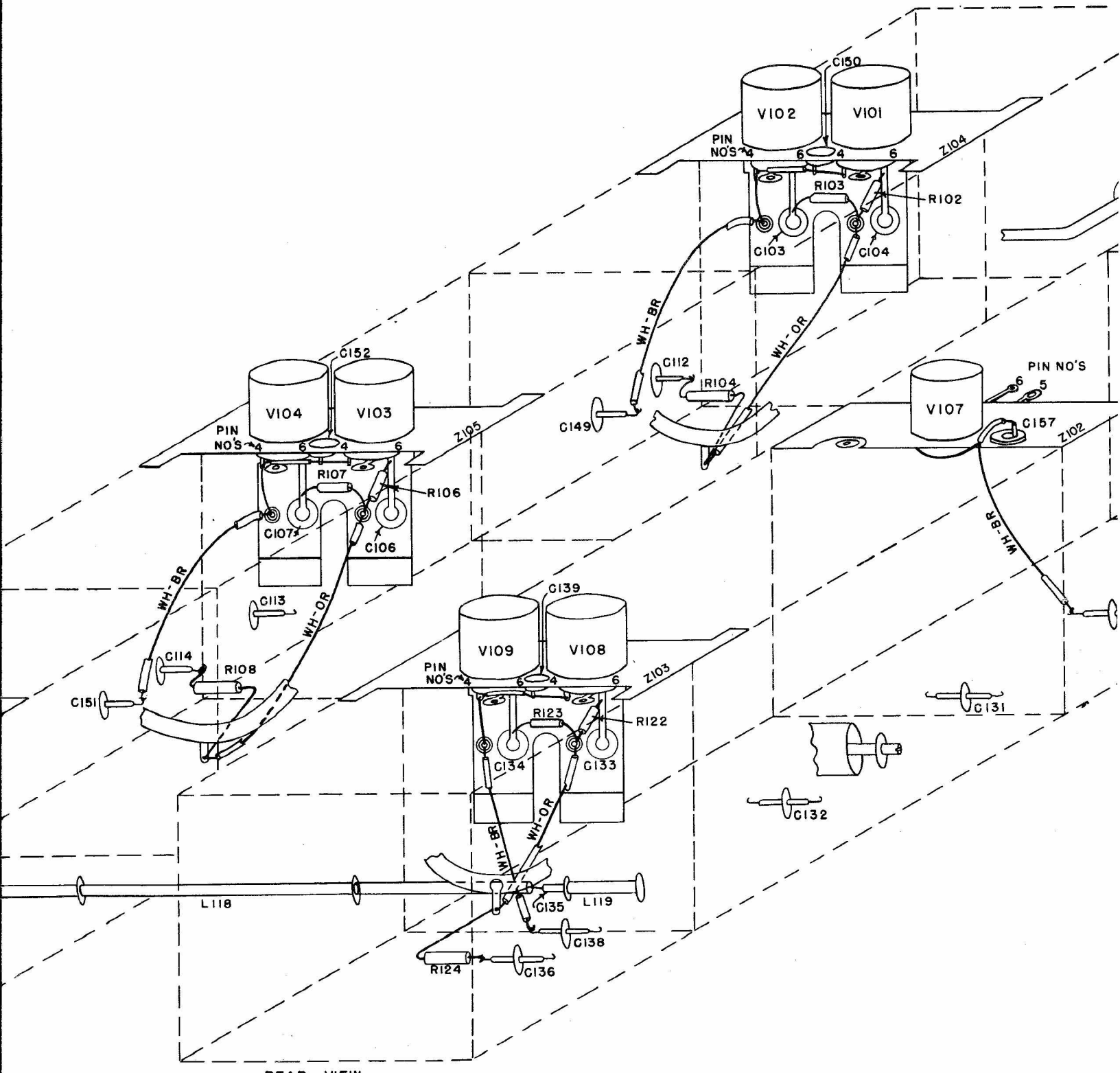


NOTES

1. ALL HOOK UP WIRES TO BE #20-7/.0126 STRANDING, 1000 V. INSULATED PER. JAN-C-76 SRIR. (RAYON BRAID OUTER COVERING).
2. "SW" INDICATES #20-7/.0126 STRANDING, 1000V. INSULATED, SHIELDED PER. FRS-19821-1.
3. ALL UNMARKED JUMPERS ARE #20 SOLID BARE TINNED COPPER WIRE PER ASTM-B33-46.
4. "JS" INDICATES A JUMPER PER NOTE #3 WITH A #20 FIBERGLASS SLEEVING, DOUBLE SATURATED PER IRVINGTON VARNISH INSULATING COMPANY OR EQUAL.
5. REFER TO DWG. FRD-20324-14 FOR INTERNAL WIRING OF RF AMPLIFIER AND OSCILLATOR MULT. SECTIONS.
6. "STP" INDICATES #20-7/.0126 STRANDING, 1000V. INSULATED, SHIELDED TWISTED PAIR PER FRS-19822-1.

Figure 7—18. Wiring Diagram—Receiver Chassis and Band Suppression Filter F-89/URR-13

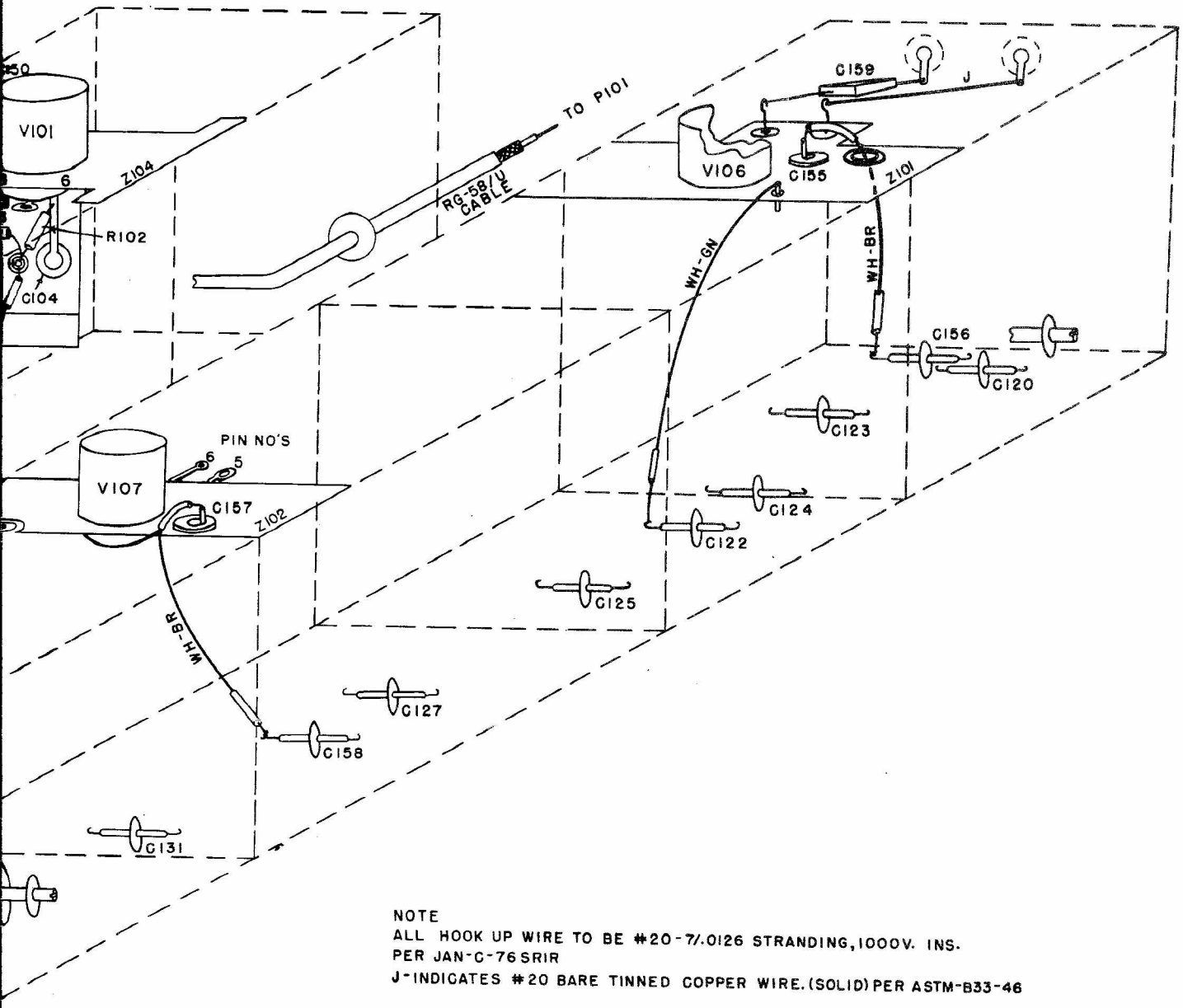

PIN NO'S
V105
C153
C119
Z106
WH-BR
C154
C115
WH-BL
C117
L120
C118
L118
L122
WH
GRN
C114
R108
C151
WH-BR
REAR VIEW
RF AMPLIFIER SECTION
RG-108/U CABLE
TO T201 (IF-AF SECTI
OSC. M



REAR VIEW
OSC. MULTIPLIER SECTION

BLE

→ TO T201 (IF-AF SECTION)



NOTE
ALL HOOK UP WIRE TO BE #20-7/.0126 STRANDING, 1000V. INS.
PER JAN-C-76 SRIR
J-INDICATES #20 BARE TINNED COPPER WIRE. (SOLID) PER ASTM-B33-46

Figure 7–19. Wiring Diagram—Preselector (Z107)