

**TYPE N1 CARRIER TELEPHONE SYSTEM — TERMINAL EQUIPMENT**  
**PRELIMINARY TESTS**  
**MODIFICATION OF CHANNEL UNITS FOR IMPROVED TRANSMISSION**

**1. GENERAL**

**1.001** This addendum is reissued to add information about the removal of resistor R126.

**1.002** The information contained in the previous addendum has been clarified and is included in this issue.

**2. CIRCUIT CHANGES**

**2.001** Resistor R126 has been removed from the circuit to further improve channel regulation with all electron tubes. This resistor will not be included in new kits and should be removed from existing kits before they are used to modify channel carrier frequency subassemblies.

**2.002** Excessive noise has been created in some modified channels because of disturbing the wiring. To prevent this, the lead from V102

terminal 6 to T102 terminal 6 is redressed away from its present wiring path.

**3. PROCEDURES**

**New Kits (Manufactured after 12/15/61)**

**3.001** These kits are shipped without resistor R126.

**3.002** Proceed with the modification, adding lettered steps a and c of this addendum.

**Existing Kits (Manufactured before 12/15/61)**

**3.003** Remove R126 by cutting the leads on the inside of the miniplas strips. Bend down the remaining wires on the inside of the miniplas strips to keep them from pulling thru the strips.

**3.004** Proceed with the modification, adding lettered steps a and b of this addendum.

<b>A — MODIFICATION OF REGULATOR AND MODULATOR-CHANNEL UNITS WITH REGULATOR CIRCUIT PER ED-92904-30</b>	
<b>STEP</b>	<b>PROCEDURE</b>
8a	<i>Add a new step:</i> Redress the lead between V102 terminal 6 and T102 terminal 6 so that it runs along the outer edge of the casting and is separated from the other wiring by at least one inch. (It may be necessary to remove one end of the wire — redress the wire — then replace the wire.)
24	Renumber as Step 24b.
24c	<i>Add a new step:</i> Connect and solder green wire from R127 to TP7.
32a	<i>Add a new step:</i> Using a pencil eraser, stencil a black dot 1/4" to the left of V102.
<b>B — MODIFICATION OF REGULATOR AND MODULATOR-CHANNEL UNITS WITH REGULATOR CIRCUITS PER ED-92319-20 AND ED-92691-30</b>	
<b>STEP</b>	<b>PROCEDURE</b>
12a	<i>Add a new step:</i> Redress the lead between V102 terminal 6 and T102 terminal 6 so that it runs along the outer edge of the casting and is separated from the other wiring by at least one inch. (If the present wire is too short, replace it.)
36	Renumber as Step 36b.
36c	<i>Add a new step:</i> Connect and solder green lead from R127 to TP7.
41a	<i>Add a new step:</i> Using a pencil eraser, stencil a black dot 1/4" to the left of V102.
<b>C — MODULATOR AND MISCELLANEOUS RESISTOR CHANGES OF CHANNEL UNITS PER ED-92904-30</b>	
<b>STEP</b>	<b>PROCEDURE</b>
	<i>Cancel Step 3</i>
3a	<i>Add a new step:</i> Add a green lead from R127 to TP7. Follow wiring path thru casting to TP7.
9a	<i>Add a new step:</i> Using a pencil eraser, stencil a black dot 1/4" to the left of V102.