

TYPE N AND ON CARRIER TELEPHONE SYSTEMS
LINE BUILD-OUT AND CROSS-CONNECTING EQUIPMENT
CHECK OF FUSE ALARMS

In offices containing large numbers of N-type and/or ON carrier terminals and N-type repeaters, cross-connect cabinets and line build-out bays may be used to provide greater flexibility in the assignment of carrier lines. When line build-out bays are used, a fuse and alarm panel and individual fuse panels are provided, where required, as an integral part of the shop-wired bay. Relays on the fuse and alarm panel control office alarms when distribution or individual +130v, -130v, or -48v circuit fuses fail.

The purpose of this section is to test the operation of the line build-out bay fuse alarms by purposely causing failures so that associated office alarms will operate.

APPARATUS:

- 1 — 265C Tool (Contact Burnisher)
- 1 — 266C Tool (Steel Music Wire)

STEP	PROCEDURE
	A. Fuse Alarm Operation — Initial Installation and Out-of-Service Test
1	<p>Check 70A-type power distribution fuse alarms (+130v, -130v, and -48v) by inserting a blown fuse into the appropriate fuse holder.</p> <p><i>Requirement:</i> Associated alarms should operate.</p>
2	Reinstall good fuses into fuse holders.
3	<p>Check one 70K-type circuit fuse in each group (+130v, -130v, and -48v) of individual circuit fuses by inserting a blown fuse into the fuse holder.</p> <p><i>Requirement:</i> Associated alarms should operate.</p>
4	Reinstall good fuses into fuse holders.

STEP	PROCEDURE
1	<p style="text-align: center;">B. Fuse Alarm Operations — In-Service Test</p> <p>Check one 70A-type and one 70K-type fuse in each group (+130v, -130v, and -48v) of individual circuit fuses.</p>
2	<p>Place the 266C tool (steel music wire) in the 265C tool (contact burnisher). Put the cap in place over the end of the 265C tool. Insert the wire into the opening of the fuse holder cap, beside the alarm indicating plunger, so that the wire touches the side of the opening and the head of the fuse at the same time.</p> <p><i>Requirement:</i> All alarms associated with the particular fuse should operate.</p>
3	<p>Remove tools and restore circuits to normal.</p>