

**AUXILIARY LINE CIRCUITS**  
**PREPAYMENT COIN SERVICE**  
**OPERATION TEST**  
**USING TEST SET SD-90469-02 (J94710A)**  
**STEP-BY-STEP SYSTEMS**

**1. GENERAL**

**1.01** This section describes a method of testing auxiliary line circuits in step-by-step offices using the SD-90469-02 (J94710A) test set.

**1.02** This section is reissued to add test procedures for dial tone first prepay coin service and to make a more complete series of tests.

This reissue does not affect the Equipment Test List.

**1.03** This test checks for operator coin control operation when the auxiliary line circuit is used with prepayment coin subscriber lines.

**1.04** Local instructions should be followed with reference to recording any register operations caused by performing these tests.

**1.05** All keys, jacks and lamps referred to are located at the test set unless otherwise specified.

**1.06** The tests should preferably be made during periods of light traffic.

**1.07 Lettered Steps:** A letter a, b, c, etc, added to a step number in Part 4 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

**2. APPARATUS**

**2.01** Test set, J94710A (SD-90469-02).

**2.02** Test telephone set—52A head telephone set (for use with the J94710A test set).

**2.03** Patching cord—P3E cord, 6 feet long (3P6D cord) equipped with two 310 plugs (or equivalent) (for connecting battery and ground to test set).

**2.04** Testing cord—W3A cord, 12 feet long, equipped with a 310 plug and three KS-6780 clips (3W3A cord) (for connecting the T jack to tip, ring and sleeve of the auxiliary line circuit).

**3. PREPARATION**

STEP	ACTION	VERIFICATION
1	Connect BAT G jack to frame battery supply jack.  <i>Note:</i> Connect cord to test set first and, when disconnecting, remove from test set last.	
2	Connect test telephone set to TEL jack and operate TRS key.	

SECTION 226-842-501

4. METHOD

STEP	ACTION	VERIFICATION
3	Connect T jack to T, R, S terminals of auxiliary line circuit C.D.F. block.	If BSY lamp is lighted— Disconnect or wait until lamp is extinguished.
4a	If trunk is arranged for dial tone before coin deposit— Operate DL ST, CBT LP keys.	Dial tone heard.
5a	Operate CN key.	
6b	If trunk is arranged for dial tone after coin deposit— Operate DL ST, CBT LP keys.	No dial tone heard.
7b	Operate CN key.	Dial tone heard.
8	Dial operator code ( ).	Operator answers. Dial tone removed. REV lamp lighted. CR lamp momentarily lighted.
9c	◆If trunk is arranged for dial tone first, prepay coin service— Operate RCK key.◆	
10	Request operator to establish the necessary connections and apply coin return current.	CR lamp flashes at 1/2 second intervals and operator hears high tone. REV lamp extinguished when CR lamp is lighted.  <i>Note:</i> If testing trunks requiring operation of RCK key and coin potential is present on the ring side of the line, the CR and CC lamps will flash alternately.◆
11	Restore CN key.	CR lamp extinguished
12	◆Request operator to establish the necessary connections and apply coin collect current.	
13	Operate CN key.	CC lamp flashes at 1/2 second intervals and operator hears low tone. REV lamp may flash.  <i>Note:</i> If testing trunks requiring operation of RCK key and coin potential is present on the ring side of the line. The CR and CC lamps will flash alternately.

STEP	ACTION	VERIFICATION
14	Restore CN key.	CC lamp extinguished.
15	Operate FL key.	Operator disconnects. REV lamp extinguished.
16	When testing is completed— Restore keys and disconnect testing cords.	