

## TOTALIZER CURRENT FLOW TEST

**Notes:**

1. This test must be conducted with a craftsperson at the coin station. Use Fig. 1, 2, and 3.
2. The purpose of this test is to ensure the totalizer operates properly and can be reset to the home position by applying 23 ma of current. On D series sets the 47-type signal should be tested to ensure that coin tones are read out at 23 ma loop current.
3. Perform an FEMF test (Chapter 3-1) prior to the current flow test.

STEP	ACTION	VERIFICATION
1	Connect to the subscriber line with the primary test cord.	
2	Operate the RCCI and T key.	Talking battery (48 volts) and ground applied to coin line.
3	Signal the station.	Answering party takes station handset off-hook.
4	Request answering party to:  (a) Remove cover unit assembly (box type coin station) or open the door and faceplate assembly (panel type coin station). Use a KS-20950 parking tool or connect a P11C cord between P1 and J1.  (b) Operate RHE switch and adjust potentiometers until meter registers 23 ma.  <b>Note:</b> On coin REG loops, measure circuit at the station. Circuit should read 23 ma or more. Potentiometer at test desk cannot be used to adjust current to 23 ma.  (c) Listen for RCCI and T keys being released at the local test desk (LTD). (Talking circuit to LTD is disconnected.)  (d) Deposit a minimum of 35 cents to step the totalizer off normal the required steps.  (e) Keep handset off-hook during current flow tests.	Check that totalizer is in home position.

**NOTICE**

Not for use or disclosure outside the  
Bell System except under written agreement

STEP	ACTION	VERIFICATION
	(f) Observe that totalizer resets when 23 ma of current is applied from LTD by operating RCCI and T keys.	
5	Restore the RCCI and T keys.	Talking battery and ground removed from coin line.
6	Allow sufficient time for person at coin station to step totalizer off normal as instructed in Step 4(d).	
7	Operate T key.  <b>Note:</b> Operate T key before operating RCCI key so totalizer readout tone may be heard.	
8	Operate RCCI key.	<p><b>At the LTD</b></p> <p>(a) 23 milliamperes of current applied to coin line with 48 volts of talking battery.</p> <p>(b) Listen for totalizer readout. Tone heard momentarily and stops.</p> <p><b>Note 1:</b> A steady tone that cannot be removed indicates a jammed totalizer arm or full money box.</p> <p><b>Note 2:</b> A continuous series of beep tone indicates an open T2 totalizer contact.</p>
<b>If totalizer does not reset:</b>		
10	Operate REV key	<p>If totalizer resets to home position while RCCI, T, and REV keys are operated, indicates the loop to an "A" series coin station is reversed.</p> <p>For a "C" series station a malfunction in the totalizer polarity protection circuitry is indicated.</p>
<b>If coins were deposited in Step 4(d):</b>		
	<b>Note:</b> Do not operate CC or CR keys if totalizer is not homed.	
11	Operate and release CR key.	Coins returned to person at coin station.
<b>If no further testing is required:</b>		
12	Request person at coin station to restore station for normal service.	

## STEP

## ACTION

## VERIFICATION

13

Restore RCCI and T keys.

Talking battery disconnected from coin line.

**Note:** Upon completion of testing the totalizer from the LTD, the person at the coin station should attempt to reset the totalizer from the coin station. The totalizer may be stepped off normal by depositing coins amounting to more or less than the initial rate. If coins deposited amount to initial rate or more, the totalizer should home immediately. If less than initial rate is deposited the totalizer will not home until handset is on-hook. A totalizer which may be made to operate properly from the LTD but cannot be reset from the station indicates a defective coin trunk or associated central office circuit.

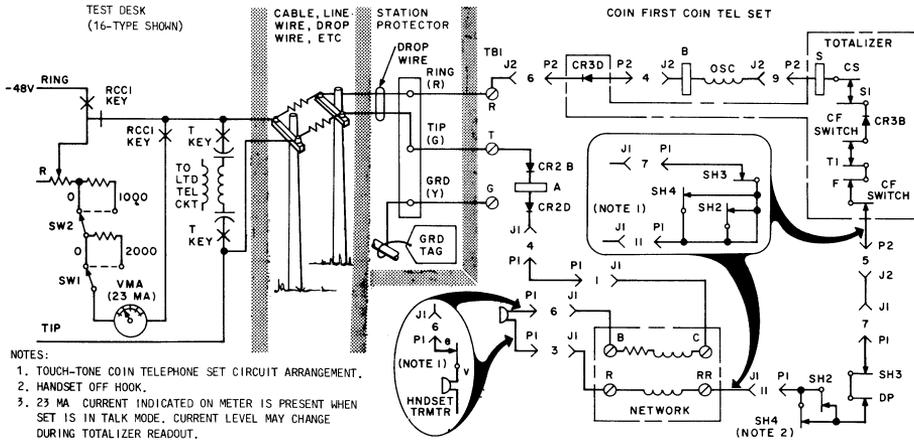


Fig. 1—Totalizer Current Flow Test (Coin-First)

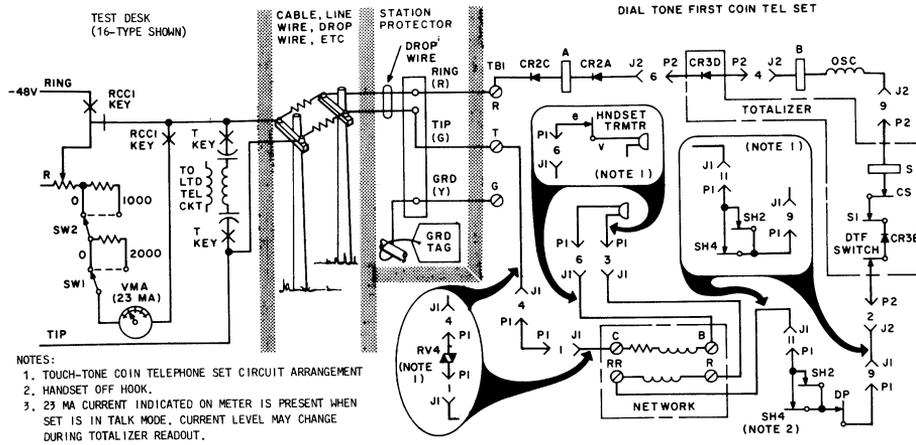


Fig. 2—Totalizer Current Flow Test (Dial-Tone-First)

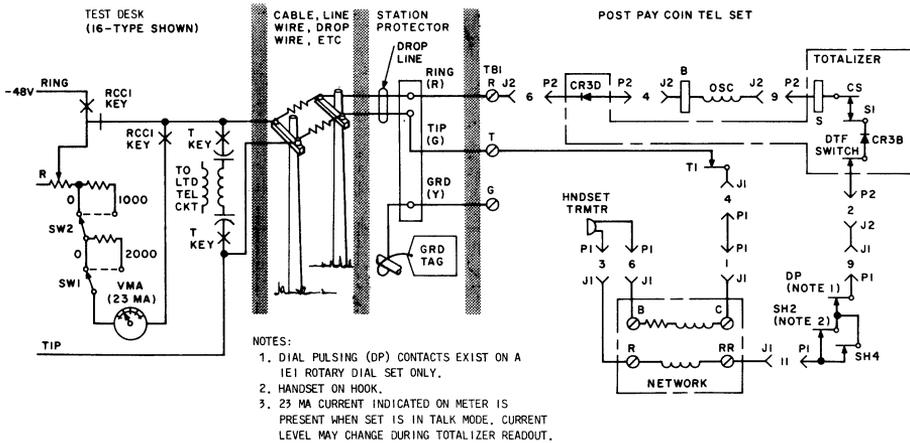


Fig. 3—Totalizer Current Flow Test (Postpay)