

KS-21250 Portable Coin Telephone Test Set

(Card 1)

WARNING!!! Hazardous voltages on loads when test buttons operated.

Test set preparations to check coin telephones, time coin relays, and check coin relay operate margin.

A. TELEPHONE TESTS - Dial operation, sidetone, totalizer operation, T1 rata contact, SCR and zener diode, and oscillator. *Table and Trouble No. refers to corresponding entries in BSP 506-900-503, and only set related "possible cause" and "remedial action" entries apply- Note: Disconnect tip end ring from set. Install proper P-type patch cord in coin set (P5M, P10B, P11C as required). Connect test set to telephone set terminals; Red to R, Green to T, end Yellow to G. When test set is "ON" it supplies battery to the telephone set and sidetone it available except when either button is depressed.

DTF MODE - Test box ON	Table	Trouble No.
1. Handset on-hook. Deposit quarter. Totalizer steps back. Beep tones heard in test set	K	6
2. Refund money using REFUND/TIME button	K	6
3. Handset off-hook. Deposit nickel less than initial rate. Totalizer does NOT step back. No Beep tone(s) heard. Operate dial. Clicks/TT signals ARE heard in test set.....	K	7
4. Hangup. Totalizer steps back. Beep tone(s) ARE heard. Refund money.	K	8
5. Go off-hook. Reverse Red and Green test leads. Deposit nickel. Totalizer steps back. Beep tone heard. Refund money	K	13

•Table K is Table G in Issue 2 of BSP 506-900-503.

COIN FIRST MODE	Table	Trouble No.
1. Handset on-hook. Test set ON. Deposit quarter. Totalizer steps back. Beep tones heard in test set.	F	5
2. Refund money, using REFUND/TIME button.....	F	5
3. Handset off-hook. Test set OFF. Deposit nickel less than initial rate. Turn test set ON. Totalizer does NOT step back. No beep tone*) heard	F	7
4. Hang up. Totalizer steps back. Beep tone(s) heard in test set. Go off-hook. Operate dial. Clicks/T-T signals are NOT heard. Sidetone present in handset. Refund money.....	F	6
5. Test set OFF. Deposit Initial rate. Turn test set ON. Totalizer steps back. Beep tones heard. Operate dial. Clicks/T-T signals heard. Sidetone present In handset. Refund money	F	8-9

B. Timing — TEST Single Coil Coin Relay

Disconnect Tip and Ring from set- Remove coin chute assembly (from Single Slot sets). Connect Test Set Red to No. 3 on coin relay. Yellow to G relay terminal. Black to top lead of relay resistor.

1. Deposit coin (or trip hopper trigger).
2. Press and hold REFUND/TIME BUTTON. Relay operates. Timing light(s) can be read.

Timing Light Indications		Action	
Fast	Slow	Relay	Relay Armature Screw
ON	ON	OK	OK but See *
OFF	ON	Slow	Turn clockwise - see note
ON	OFF	Fast	Turn Counterclockwise

Note: Adjust armature screw 1/4 turn each time. Retest, re-adjust, retest until OK. When collect button is used to operate relay, the timing lights remain off.

*When the RELAY is below 20°F, check and adjust until both SLOW and FAST lights are on, than turn relay screw counterclockwise and repeat until relay tests SLOW after last 1/4 turn.

3. Unfasten end lift out P-15E730 return chute assembly (single-slot sets). Operate COLLECT button. Observe in hopper that coin vane moves to *collect* position.
4. Reassemble disconnected components.

C. COIN RELAY OPERATE MARGIN CHECK - With a working Central Office Line Connected to Coin Telephone

1. Connect Yellow to 3 on coin relay and Black to top of relay resistor, lift handset. (Test Set Off)
2. Deposit initial rate.
3. Dial any digit but "O", Hangup. Relay should operate despite added shunt load built into the test set. If coin relay fails to operate, have test deskman assist in determining loop and ground resistance measurements.

Replace all batteries at least once a year or sooner if both light fail to operate on properly timed relay.

For cold weather use, alkaline AA batteries are required. Install the 6 cell battery case before the 4 cell case. Series 2 Only.

KS-21250 COIN STATION TEST SET (CARD 2)

Test box preparations to check telephone sets, time relays, and check coin relay operate margin.

DISCONNECT C. O. Line from Coin Tel. Set**C. O. T & R Connected to Set**

Test Lead	A	Telephone Sets	B	Relay Timing	C Coin Relay Operate Margin Check
Red		R Term. Tel. Set		No. 3 Term. Coin Relav	Not Used
Green		T Term. Tel. Set		Not Used	Not Used
yellow		GND Term. Tel. Set		GND Term. Tel. Set	No. 3 Term. Coin Relay
Black		Not Used		Top Lead, Relay Resis.	Top Lead, Relay Resis.

WARNING!!! Hazardous voltages on leads when test button operated

Replace ALL batteries at least once a year or sooner if both lights fail to operate on properly timed relay. Use alkaline AA batteries. This applies to Series 2 only.