

POSITION COIN CONTROL

NO. 1 TOLL SWITCHBOARD

1. GENERAL

1.01 This section describes a method for testing the position coin control circuit used with No. 1 toll switchboards that are equipped with Type "A" cord circuits.

1.02 The tests are made with a test circuit to be locally assembled and the tests are as follows:

(A) Coin Collect Test

This test checks the ability of the position coin control circuit to apply coin collect potential to the trunk coin control circuit and to provide a low tone to the observer that the collect key has been operated.

(B) Coin Return Test

This test checks the ability of the position coin control circuit to apply coin return potential to the trunk coin control circuit and to provide a high tone to the observer that the return key has been operated.

2. APPARATUS

2.01 The test set to be assembled locally as per Fig. 1, includes the following material and apparatus: One No. 508A Key (Remote Control Key), one S3B Cord equipped with a 310 Plug and three No. 131 Cord Tips (3W1A Cord), one 18FG Resistance and one 18BY Resistance.

2.02 Test Receiver No. 716C or equivalent equipped with a 2W21A Cord Assembly consisting of one W2AB Cord, two No. 360A Tools and two No. 365 Tools.

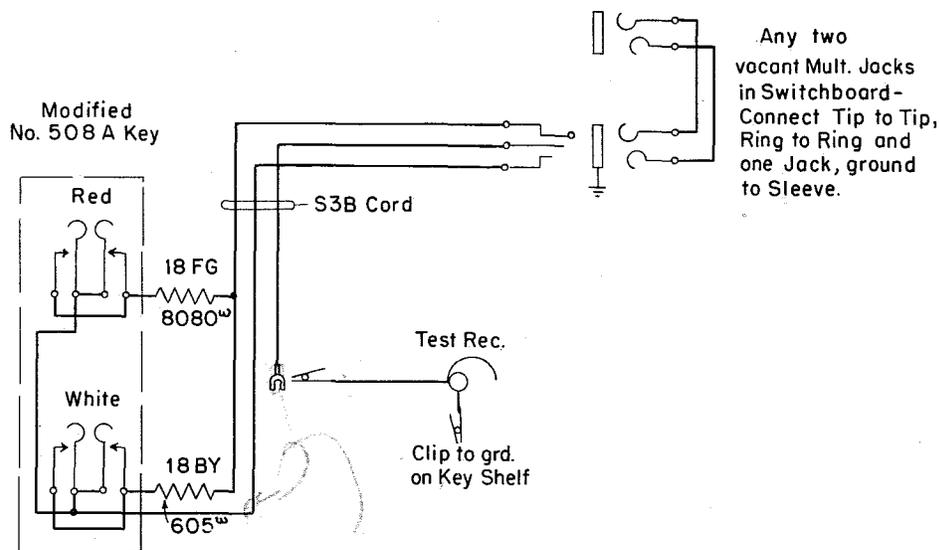


Fig. 1 - Test Set and Vacant Jack Arrangement for Testing Position Coin Control Circuit

3. PREPARATION

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
1	Connect two vacant multiple jacks as follows: Connect the tip and ring of one jack to the tip and ring of the second and on one connect ground to the sleeve (See Fig. 1).	
2	Plug the cord of the No. 508A key into the multiple jack that has the sleeve grounded.	
3	Connect one of the cords of the test receiver to any convenient ground, and the other to the ring of the cord of the No. 508A key.	
4	With the keys normal, insert a plug of any cord circuit in the position being tested into the other multiple jack.	

4. METHOD(A) Coin Collect Test

5	Depress and hold the red button of the No. 508A key.	
6	Operate the C key momentarily.	CC lamp lights.
7	Operate the RLS key momentarily.	CC lamp is extinguished and the circuit is restored to normal.
8	Reoperate the C key momentarily.	CC lamp lights.
9	Operate the ringing key of the cord connected to the multiple jack.	Low tone is heard in the test receiver.
10	Depress the white button of the No. 508A key and then release the red button.	CP lamp lights.
11	Release the ringing key and white button.	CC and CP lamps are extinguished and the circuit restores to normal.

(B) Coin Return Test

5	Depress and hold the red button of the No. 508A key.	
6	Operate the R key momentarily.	CC lamp lights.
7	Operate the RLS key momentarily.	CC lamp is extinguished and the circuit is restored to normal.
8	Reoperate the R key momentarily.	CC lamp lights.
9	Operate the ringing key of the cord connected to the multiple jack.	High tone is heard in the test receiver.

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
10	Depress the white button of the No. 508A key and then release the red button.	CP lamp lights.
11	Release the ringing key and white button.	CC and CP lamps are extinguished and the circuit restores to normal.
12	Disconnect cord, test set and test receiver.	