

SEQUENCE SWITCHES TEST FOR SLIPPING DRIVES

1. GENERAL:

- 1.1 This section describes a method of testing sequence switches for slipping between the driving and driven discs.
- 1.2 Tests should not be applied to a sequence switch while the associated circuit is off normal on a service call.
- 1.3 If tests are made while a peg count record of traffic is being taken, the chief operator should be notified of the number of registrations resulting from the tests on each group of equipment.
- 1.4 Tests for slipping sequence switches should be made only during periods of light traffic, unless the associated circuits are previously made busy. This is particularly true of two-wire selectors which are unguarded during the time that the switches are off normal; and of sender selector type district selectors or subscribers' link circuits, a sender selector of which may be resting on a busy sender.
- 1.5 Whenever tests are to be made on equipment which may result in false indications to the traffic forces, the chief operator should be notified before the tests are started.

2. APPARATUS:

- 2.1 One No. 218B Tool for sequence switches which do not restore to normal.

3. METHOD:

Sequence Switches Which Restore to Normal:

- 3.1 Test each sequence switch by grasping the index wheel with the thumb and forefinger, and turning it far enough to move the switch to the position from which it will automatically restore to normal. Exert a slight

pressure against the index wheel as the switch returns to normal, and check for slipping by sight and feel.

Caution: The tester should exercise care in applying pressure to the index wheel, as excessive braking will cause switches to slip, resulting in worn and polished surfaces on the driving and driven discs.

- 3.2 Check that the sequence switches and associated equipment have restored to normal.

Sequence Switches Which Do Not Restore to Normal:

- 3.3 Insert the No. 218B tool (see paragraph 2.1) between the A cam roller and the A cam contact spring, so as to cross these springs at the point where they leave the brush assembly. This operation will cause the sequence switch to rotate.
- 3.4 As the sequence switch rotates, exert a slight pressure against the index wheel with the thumb and forefinger, and check for slipping by sight and feel.

Caution: The tester should exercise care in applying pressure to the index wheel, as excessive braking will cause switches to slip, resulting in worn and polished surfaces on the driving and driven discs.

- 3.5 Remove the screwdriver from the A cam springs and turn the sequence switch to position 1.

4. REPORTS:

- 4.1 The required record of this routine should be entered on the proper form.