

IDLE TRUNK AND POSITION INDICATING LAMPS NO. 1 OFFICE

1. GENERAL:

- 1.1 This routine covers a method of inspecting the trunk indicating lamps which are associated with the outgoing trunk multiple for the purpose of locating burnt out and dim lamps.
- 1.2 The routine may be used for checking the lamps of groups arranged for trunk indicating only, and also for those which are controlled by a position indicator control circuit.
- 1.3 Since the selection of a trunk associated with the lamp multiple being checked would interfere with the test, the lamps associated with a part of the trunk group should be checked at one time and traffic restricted to the remainder of the group, disregarding lamps in the portion of the group under test. Accordingly, it will be necessary to make the routine during night hours in a period of practically no traffic.
- 1.4 If the lamps are controlled by a position indicator circuit, it will be necessary to instruct the "A" operators to disregard the lamps entirely and use that part of the trunk group which is not under test, making a busy test in the usual manner before selecting a trunk. Where trunks arranged for position indicating from other "A" offices appear on the same "B" or tandem positions with the trunks being tested, it will be necessary to follow this same practice of selecting trunks at the other "A" boards during the test. This will make it advisable to coordinate the tests at all "A" boards having trunks to a particular "B" or tandem position.
- 1.5 At the "B" or tandem position it will be necessary to dispose of calls which may come through on trunks not included in the test but which may terminate on the same positions.

Note: In the case of two-wire trunks the guard lamps should not light on any trunk except those which have been selected for calls, since the plugs have not been fully inserted at the "A" board. If a plug is fully inserted in error on one of the trunks under test, the "B" operator should dispose of the signal by placing the plug of

the trunk cord in the busy back jack after going in on the trunk and ascertaining that it is not a legitimate call. In the case of local three-wire trunks the guard lamp will light on each trunk as it is plugged up at the "A" board. In this case, it will be necessary for the "B" operator to cooperate in the test by operating the release key as each guard lamp appears, in order to disconnect the control circuit. If the control circuit is connected to a trunk, the position is busy and the lamps associated with that subgroup will not light at the "A" board. The "B" operator should be alert to note any guard lamps which do not appear in regular sequence with the test, since these will probably be regular calls.

- 1.6 If the lamps of a subgroup go out in all sections during the progress of the test, it is probable that a call has been received at the terminating position. The lamps will relight when the call is disposed of. This condition should be recognized by the tester and should not be considered a trouble.

2. APPARATUS:

- 2.1 Operator's telephone set for each position at "B" or tandem board (required only when lamps are controlled by a position indicator circuit).

3. METHOD:

- 3.1 When the lamps are controlled by a position indicator circuit, call the "B" or tandem board and notify the person in charge which trunks are to be tested. Request her to split the positions on which the trunks appear so that each position is an individual unit, and insert an operator's telephone set in the jack of each position. When the lamps are arranged for trunk indicating only, see that the battery control key is operated.
- 3.2 The first lamp of each subgroup should be lighted. Check all sections to see that the multiple appearances of the lamps are lighted.

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3.3 Insert the plug of an "A" cord just far enough in the first outgoing trunk jack of each subgroup to make the sleeve connection but not the tip and ring connections. The lamps associated with these jacks should go out and the second lamp should light in each case. Check the multiple appearances of these lamps.

3.4 Repeat the operation until all lamps have been checked.

4. **REPORTS:**

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