

See TILES S 5205 20

COIN-BOX INSTALLATIONS WITH POST-PAYMENT COIN-COLLECTING-BOX MECHANISMS
Functional Tests

[Maintenance Routine Instruction (M.R.I.) No. S 205]

1. Scope of Instruction. This instruction details the tests which are necessary to prove that the coin-collecting-box mechanism and telephone apparatus are in a satisfactory condition.

*** 2. Application of functional tests.** These tests should be applied after cleaning and overhaul of the telephone and coin-box mechanism and wiring [see S 5202 (M.R.I. S 202)]. If the tests reveal a fault, the appropriate test (or tests) should be re-applied after remedial measures have been taken, to prove that the defect(s) have been removed. These tests should also be adopted for installation purposes and should be applied after the installation of the circuit has been completed and before it is handed over for service. (For installation purposes, the term "faultsman" should be read as "fitter".) Adjustments which may be necessary as a result of these tests should be made in accordance with TELEPHONES, Call Offices, D 5001.

TABLE 1. FUNCTIONAL TESTS FOR POST-PAYMENT COIN-COLLECTING-BOX INSTALLATIONS

Purpose of Test	Operations by officer at C.C.B.	Conditions if equipment is free of faults
* 1. Check of sixpenny and shilling gong-signals (see Note 1)	Swing out mechanism	-
	Insert sixpenny piece	Coin strikes gong once
	Insert shilling	Coin strikes gong twice
	Return mechanism	-
* 2. Insulation	Request test desk to check insulation resistance (see Note 2)	-
3. (a) Condition of local speaking battery	Test the local battery in accordance with POWER, Cells, B 5001. Take remedial action if necessary	-
(b) Calling conditions	Lift receiver. (If magneto system, turn generator handle)	Operator answers
(c) Transmission	Verify by speaking to operator that transmission and reception are satisfactory	-
* (d) Ringing of magneto bell	Ask operator to make a call to C.C.B. line, and replace receiver. Take remedial action if necessary. (See TELES., Stations, A 5905, for bell adjustments)	Bell rings satisfactorily
4. (a) Calling conditions	Lift receiver. (If magneto system, turn generator handle) Ask operator to listen for "penny" gong signals	Operator answers -
(b) "Penny" gong signals	Swing mechanism out and insert three tokens. Note delayed restoration of spring-set; (1½ to 2 sec. approx.)	Operator hears "penny" gong signals

* NOTE 1. The coin-gong transmitter, the "penny" chute and the "penny" gong are proved by test 4(b). The "shilling" and "sixpenny" chutes and gong-signals are tested with the mechanism swung out to avoid coins being deposited in the cash box.

Distribution:- 4, 44, 45

*NOTE 2. If test desk is not available, an insulation test should be made before the visit to the C.C.B.
(see Lines, B 5021 for insulation limits).

References:- S 5202
(Tp2/4) Lines, B 5021
POWER, Cells, B 5001
TELEPHONES, Call Offices, D 5001
" Stns., A 5905

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