

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

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107D PROTECTOR

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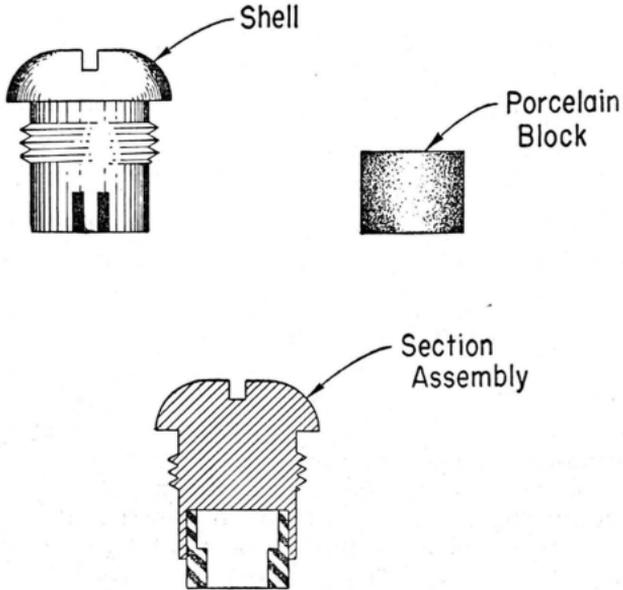
1. GENERAL

1.01 This section covers the description and use of the 107D Protector.

2. DESCRIPTION OF 107D PROTECTOR

2.01 The 107D Protector is a dummy protector designed to fit into the protector wells of NC, NH and TA cable terminals. It consists of a brass shell and a porcelain block. The shell is provided with a round head as a means of distinguishing it from the button head shell of the 107B Protector and the square head shell of the 107C Protector. The protector is illustrated on Page 2.

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3. USE OF 107D PROTECTOR

3.01 In the performance of cable testing and fault locating operations it is sometimes necessary to remove the 107B or 107C Protector in protected distribution terminals for a period of time. The dummy 107D Protectors are used as temporary replacements for the 107B and 107C Protectors in the protector wells in the terminal block for the purpose of:

- (a) Sealing the protector wells against accumulation of foreign substances or moisture.
- (b) Preventing the spring assemblies in the bottom of protector wells from grounding the cable pair by contacting the metal lining of the well.

3.02 When 1530 type Inductors are used at junctions of open wire or drop wire and cable containing N Carrier pairs for the purpose of suppressing static or radio interference entering the cable, the 107B Protector in the cable terminal is replaced with a dummy 107D Protector in order to provide the protection needed. The 1530 Inductors are equipped with 107B Protectors and when the inductor is connected to working cable pairs in protected N or T type terminals, the 107B Protectors on such pairs in the cable terminals must be replaced by 107D (Dummy) Protectors to avoid double protection.