

PROTECTORS AND PROTECTOR MOUNTINGS C-, E-, AND SIMILAR TYPE, INCLUDING 444-TYPE JACKS (301-TYPE CONNECTOR)

DESCRIPTION

1. GENERAL

1.01 This section describes the C-, E-, and similar type protector mountings and the 444-type jacks (301-type connector).

1.02 This section contains information previously covered in Sections 201-202-301 and 201-203-301 which have been canceled.

1.03 The 300-type connector and associated protectors (replaced 121-type protector) are described in Section 201-207-101. The 302- and 303-type connector and associated protector units are described in Section 201-208-101.

Note: The term *connector* is applied to distinguish the newer cable terminating devices (300-, 301-, 302-, and 303-type connectors) from the term *protector* which has been applied to cable terminating mounting assemblies such as the C50, E50, etc.

1.04 Protector mountings or 444-type jacks (301-type connector) are used to terminate outside cable conductors on main distributing frames or protector frames.

1.05 On B-type main distributing frames the protector mountings or jacks are mounted on the vertical side of the frame. On separate protector frames the protectors or jacks are mounted on the verticals on both sides of the frame.

1.06 The 444-type jack (301-type connector) does not provide protection and is used to terminate unexposed outside cable conductors.

1.07 The C-, E-, and similar protector mountings can be equipped with carbon blocks and heat coils for voltage and current protection when used with exposed cable conductors. Dummy blocks and heat coils are available for use with unexposed conductors.

1.08 The class of conductors entering a central office and the protection required are covered

in Section 201-202-101 which describes types of protection.

1.09 Protector mountings or 444-type jacks also provide a means of gaining access to either the outside cable conductors or central office equipment for testing and maintenance purposes. Section 201-203-101 describes the various cords, plugs, and devices employed in testing or maintaining main distribution frames.

2. DESCRIPTION

2.01 The C-type protector mounting is shown in Fig. 1.

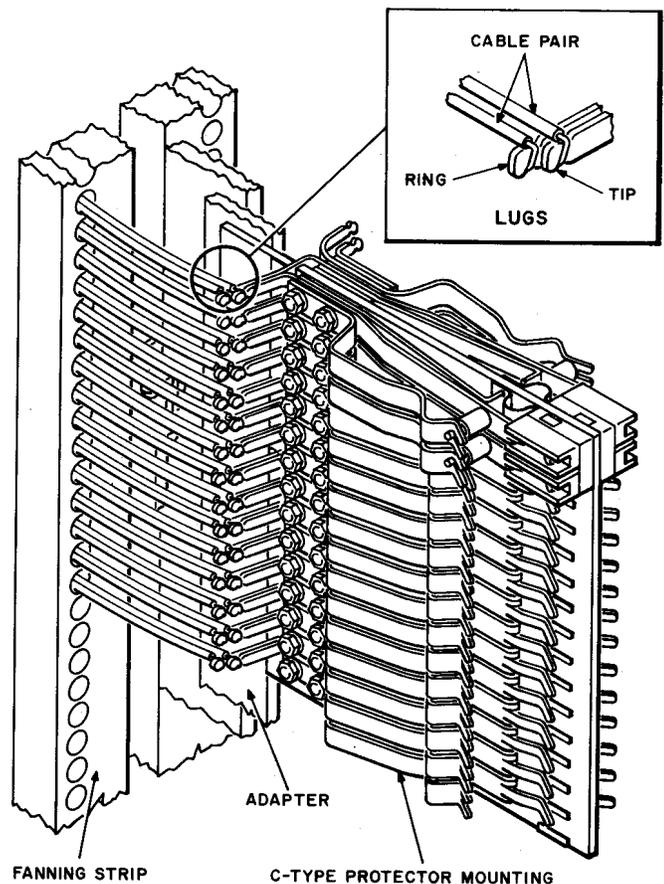


Fig. 1—C-Type Protector Mounting

SECTION 201-206-101

2.02 The C-type protectors (Fig. 2) are arranged for both heat coils and protector blocks and are intended for use in terminating exposed outside plant cables.

2.03 Other protector mountings similar to the C-type are shown in Fig. 3, 4, 5, and 6.

2.04 The E-type protector mounting is shown in Fig. 7.

2.05 The E50 and E52 protector mountings (Fig. 8) are arranged for protector blocks only and are intended for use in toll cable plant where current protection is not required.

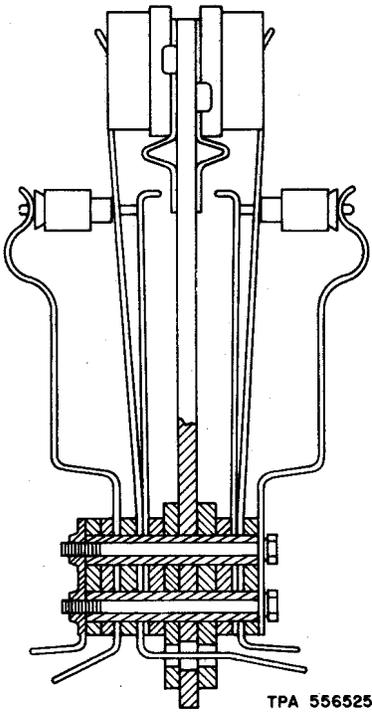


Fig. 2—C50A and C52A Protectors—C50 and C52 Protector Mountings

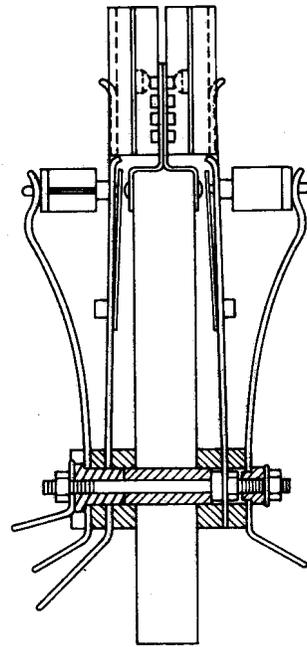


Fig. 3—4A and 4C Protectors—10-Type Protector Mounting

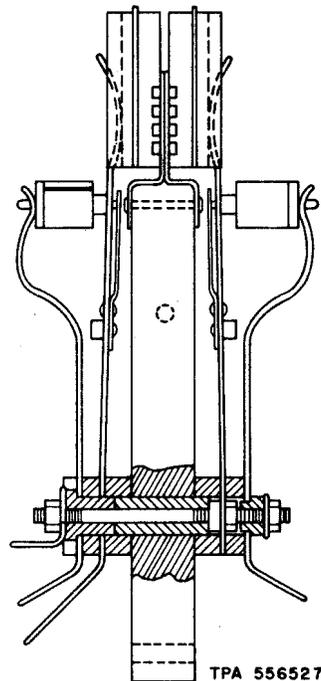


Fig. 4—87AA and 87BA Protectors—64A Protector Mounting

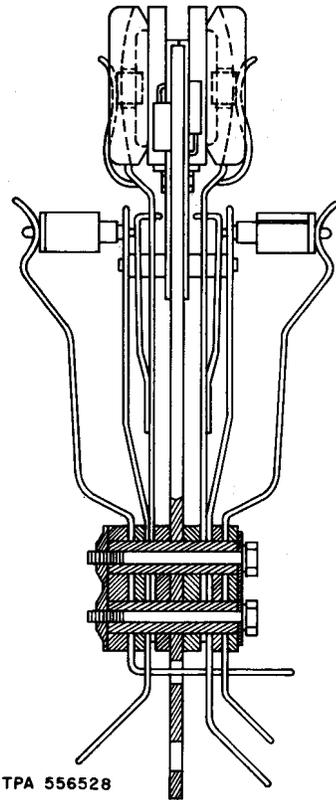


Fig. 5—1268A, 1268B, and 1269A Protectors—68A, 68B, and 69A Protector Mountings

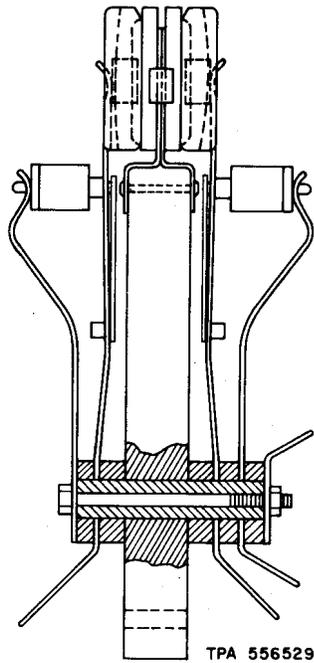


Fig. 6—1177A and 1177B Protectors—77A and 77B Protector Mountings

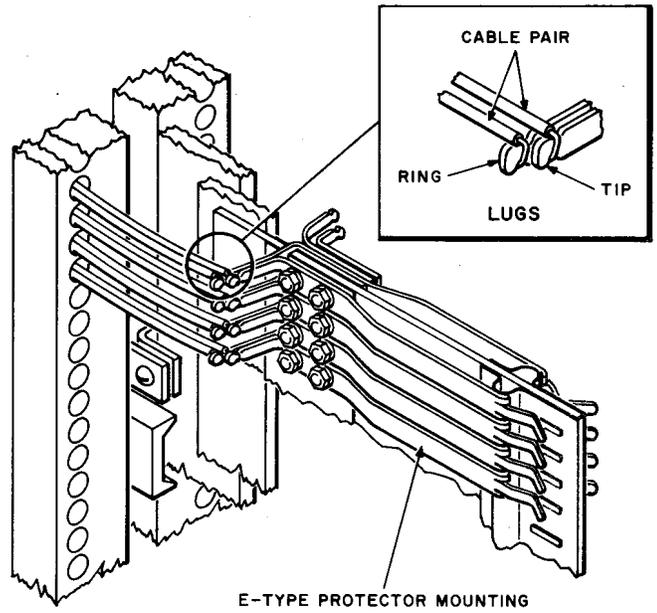


Fig. 7—E-Type Protector Mounting

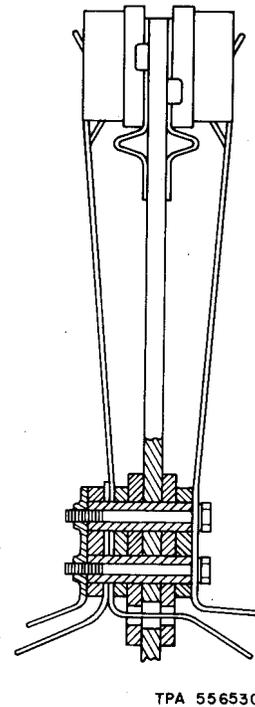


Fig. 8—E50A and E52A Protectors—E50 and E52 Protector Mountings

2.06 The 444-type jack (301-type connector) is used to terminate unexposed cable conductors (Fig. 9) and does not provide protection.

Protector Blocks and Heat Coils

2.07 Fig. 1 through 8 show the makeup of the usual types of B-type frame protector

mountings. Fig. 10 shows the various types of protector blocks and heat coils, including some early types still in use. Table A lists the standard types of heat coils and protector blocks and the corresponding older types.

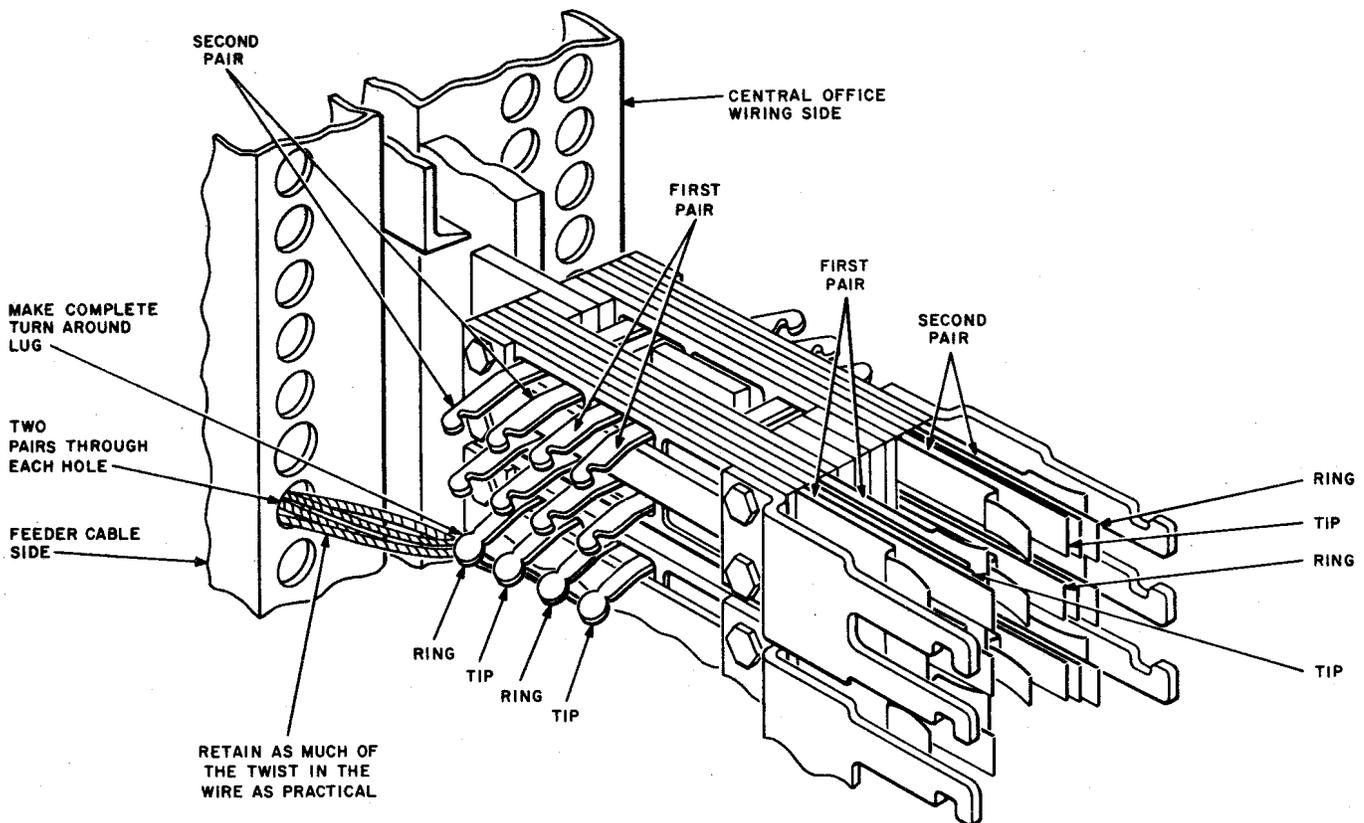
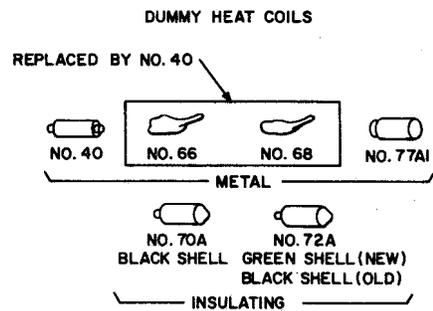
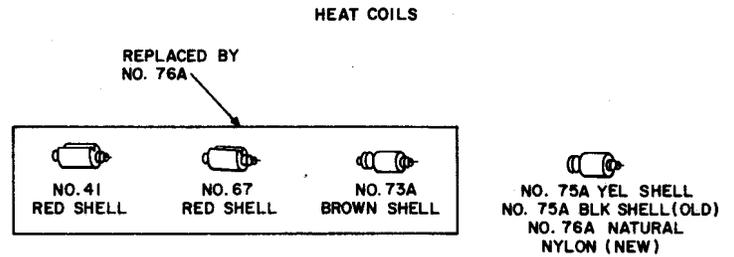
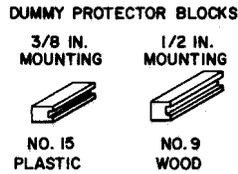
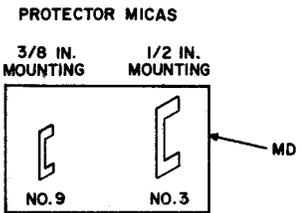
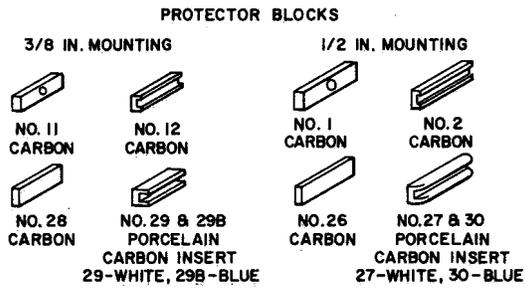


Fig. 9—444-Type Jack (301-Type Connector) Mounting and Terminating



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Fig. 10—Types of Protector Blocks and Heat Coils

TABLE A
 PROTECTOR BLOCKS AND HEAT COILS

TYPE OF BLOCK OR COIL			STANDARD	OLDER TYPES (MD)
Protector Blocks	Ground Side	3/8-inch mounting	28	*11
	Line Side		‡29	*12
	Ground Side	1/2-inch mounting	26	†1
	Line Side		‡27	†2
Dummy Protector Blocks	3/8-inch Mounting		15	—
	1/2-inch Mounting		9	—
Heat Coils	Battery Feeders		75A	—
	All Other Lines Requiring Heat Coils		76A	41, 67, 73A
Dummy Heat Coils	Metal		40	66, 68
	Insulating		§ 72A	§ 70A

* Use 9-type protector micas with 11- and 12-type protector blocks.

† Use 3-type protector micas with 1- and 2-type protector blocks.

‡ Use 29B- and 30-type protector blocks instead of 29- and 27-type, respectively, where the MDF protector mountings are connected to drainage coil assemblies.

§ The 70A and 72A dummy heat coils are insulating dummy coils used in the protectors of lines which are to be kept open as an indication that regular heat coils are not to be put in.