

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G50.730.1
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AT&T Co Standard

1A1 AND 1B1 CLOSURES

DESCRIPTION

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1. GENERAL

1.01 This section is issued to describe the 1A1 and the 1B1 Closures. These "Ready-Access" closures can be used for enclosing branch cable splices on aerial PIC cables. The 1A1 is used on cables up to and including 1.0 inch O.D.; the 1B1 is used on larger cables up to 2.2 inch O.D.

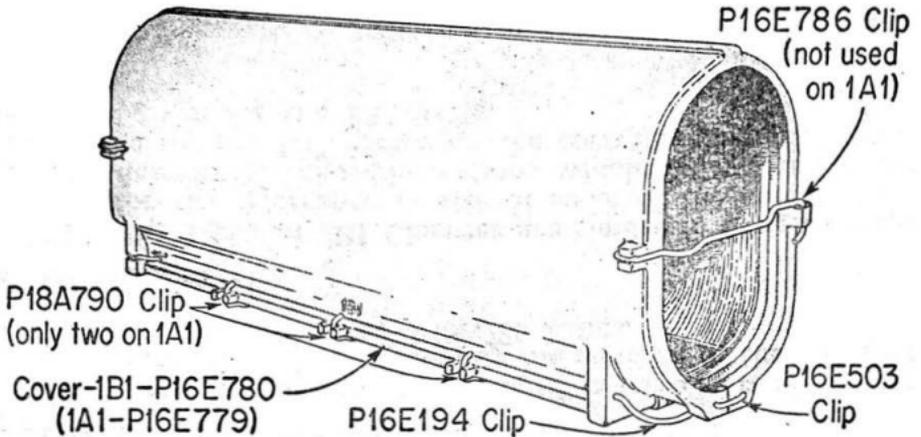
1.02 These closures can be equipped to serve as ready-access terminals, when needed, by the addition of the P18A782 Terminal Block and three P18A786 Rings.

2. DESCRIPTION

2.01 The 1A1 and 1B1 Closures are similar in design except for the difference in size of some of the components. In the description and illustrations which follow, the parts shown are for the 1B1. However, the corresponding part numbers are given for the 1A1 parts.

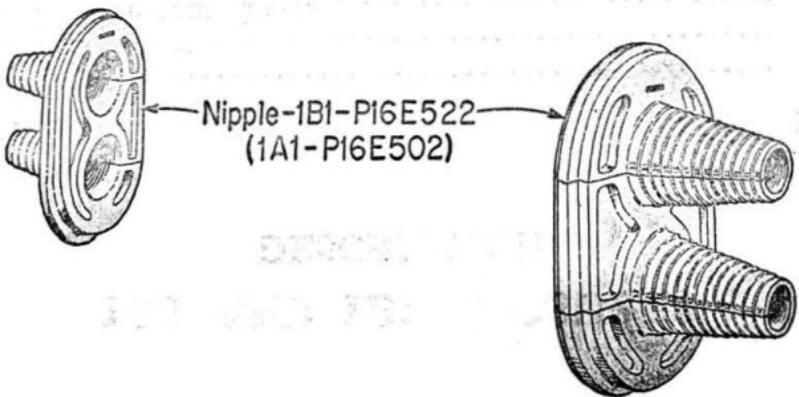
Cover

2.02 The molded neoprene rubber cover forms a flexible closure around the body of the splice. It forms a weatherproof cover when fitted around the nipples and the base assembly. It is held in place by means of shaped wire clips.



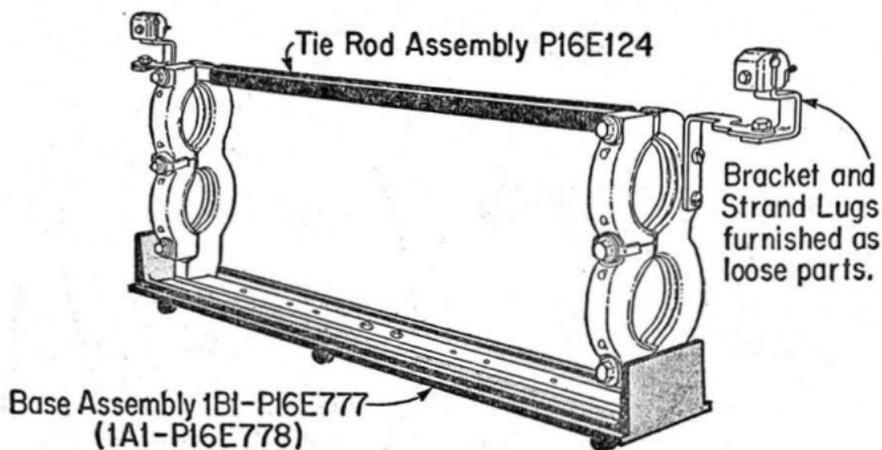
Nipples

2.03 At each end double cone shaped nipples form the weatherproof cable entrance holes.



Base

2.04 The closure base consists of a molded neoprene strip fastened between metal strips. The base has 24 numbered entry points for drop wires for use when the closure is fitted as a ready-access terminal.



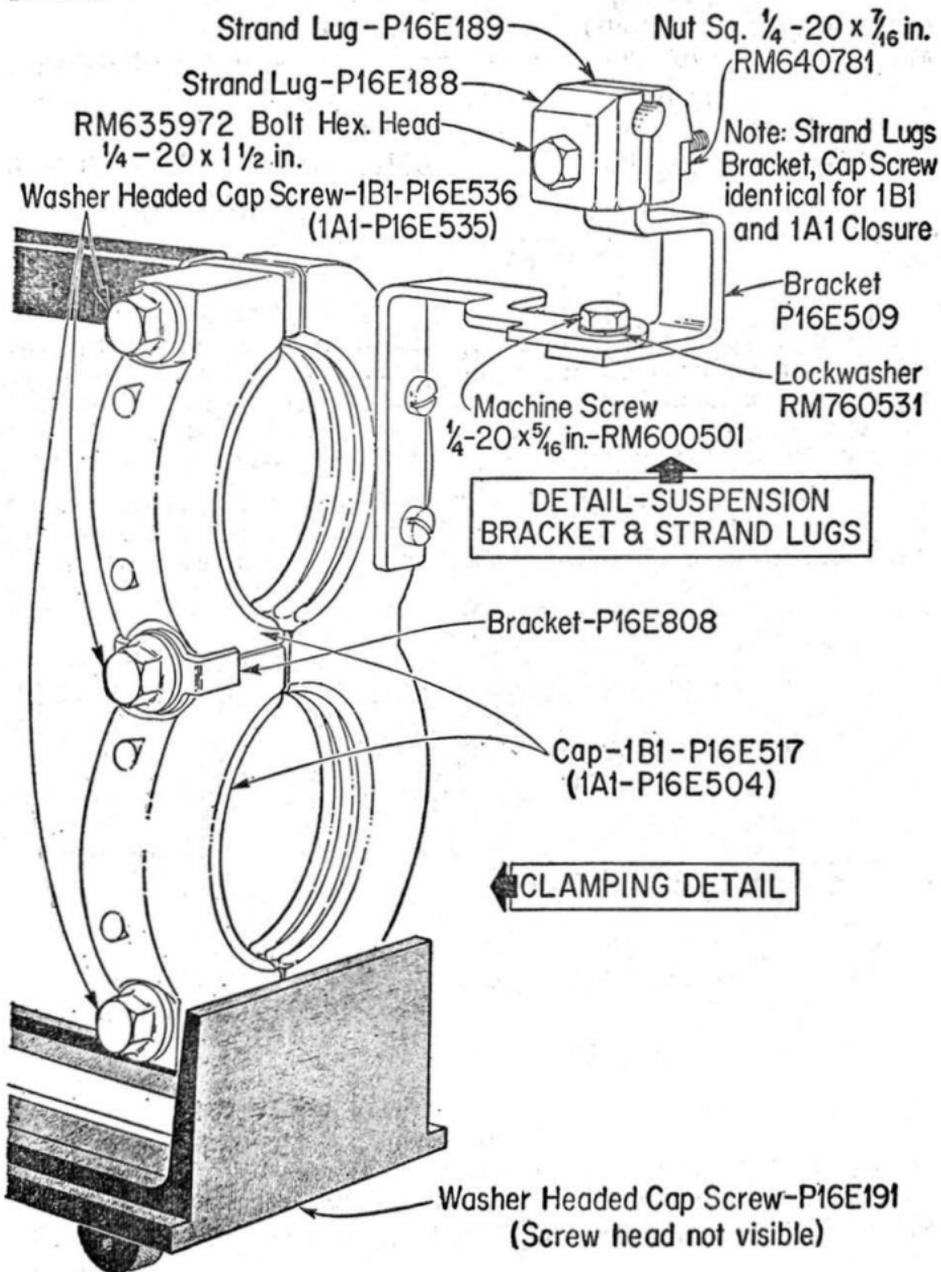
2.05 At each end of the base, double sheath clamps are provided for fastening the closure to the cables. The tie rod holds the sheath clamps in position.

2.06 Cables are fastened in these sheath clamps by use of an inner clamp or an adapter assembly. The adapter assembly consists of an inner clamp, two spacers and a length of lead lashing wire used to hold the spacers in place until the sheath clamps grip them. Use clamps or adapters as shown in the table below.

<u>Cable Size</u>	<u>Closure</u>	
	<u>1A1</u>	<u>1B1</u>
0 to 1.0 inch	P16E198 Inner Clamp	138B Adapter Assembly* (includes P16E198 Inner Clamp)
1.0 inch to 1.6 inch	—	138A Adapter Assembly (includes P16E200 Inner Clamp)
1.6 inch to 2.2 inch	—	P16E199 Inner Clamp

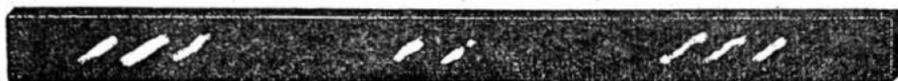
*Not furnished, order separately

2.07 The closure is fastened at each end to the suspension strand by a suspension bracket and strand lug. These serve as the electrical bond between closure, cable sheath and strand.



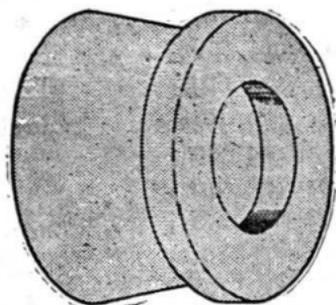
2.08 Lengths of sealing tape are included for making drip collars.

P18A785 SEALING TAPE



2.09 Unused cable entrance holes are closed by means of an end plug. This is placed in the tapered end of the of the nipple.

END-PLUG



1B1-P16E 518
1A1-P16E 508

3. REPLACEMENT PARTS

3.01 The following are replacement parts. This information may be used for ordering purposes when required.

<u>1A1</u>	<u>Closure</u> <u>1B1</u>	<u>Name</u>	<u>Illustrated in</u> <u>Par.</u>
—	138A	Adapter Assembly	—
—	138B	Adapter Assembly	—
P16E778	P16E777	Base Assembly	2.04
P16E509	*	Bracket	2.07
P16E808	*	Bracket	2.07
P16E504	P16E517	Cap	2.07
P16E198	P16E199, P16E200	Clamp, Inner	— —
P16E194	*	Clip	2.02
P16E503	*	Clip	2.02
P18A790	*	Clip	2.02
—	P16E786	Clip	2.02
P16E779	P16E780	Cover	2.02
P16E188	*	Lug, Strand	2.07
P16E189	*	Lug, Strand	2.07
P16E502	P16E522	Nipple	2.03
P16E508	P16E518	Plug	2.09
P16E124	*	Rod, Tie Assembly	2.04
P18A785	*	Tape	2.08
P16E535	P16E536	Screw, Cap	2.07
P16E191	*	Screw, Cap	2.07
RM635972	*	Bolt, Hex Head, 1/4-20X 1-1/2 in.	2.07
RM600501	*	Bolt, Hex Head, 1/4-20X 5/16 in.	2.07
RM640781	*	Nut, Sq. 1/4-20X 7/16	2.07
RM760531	*	Washer, Lock 1/4 X 3/64 thick	2.07

*Uses same part as shown under 1A1 Closure.