C RURAL WIRE

DESCRIPTION OF 107-TYPE WIRE TERMINAL

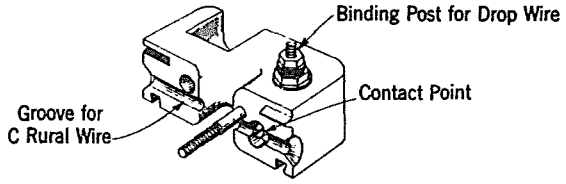
1. GENERAL

1.01 This section describes the 107-type wire terminal which is used in making line connections to C Rural Wire without removing the insulation. It can be used to connect bridle wire, subscriber drop wire, or a 118-type protector to C Rural Wire.

1.02 (Reserved for future use)

2. DESCRIPTION OF 107A2 WIRE TERMINAL

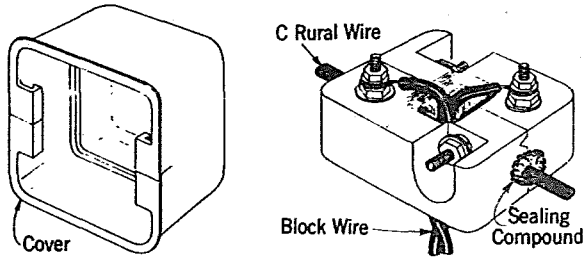
2.01 The 107A2 Wire Terminal is similar its predecessor, the 107A1, except that it is smaller and lighter. It consists of a pair of molded blocks, each equipped with a binding post which terminates in an insulation piercing contact point, as shown in the half section view in Fig. 1. Space is provided on each binding post for the termination of two wires. A flexible neoprene cover and strips of sealing compound are provided with the terminal.



107A2 Wire Terminal (Half section view)
Fig. 1

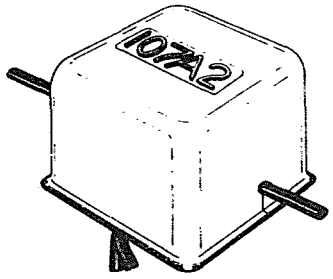
2.02 The terminal is installed by first removing the cover and then loosening the nuts holding the half sections together with the small end of a 216B Tool. Next the terminal is placed over the C Rural Wire so the wire is in the groove between the blocks. The blocks are then squeezed together by hand and the nuts are tightened with the 216B Tool.

2.03 Strips of sealing compound are placed around the C Rural Wire where it enters each end of the terminal. A recess in the terminal block is provided for the sealing compound. The 107A2 Wire Terminal, with the cover removed and the blocks installed on a C Rural Wire, is shown in Fig. 2.



107A2 Wire Terminal (Cover removed)
Fig. 2

2.04 After completing wire work on the blocks, place the cover over the terminal and push the cover down into place. Be sure the cover is snugly in place with the locking projections in position in the slots on the under side of the blocks. The cover should fit closely around the C Rural Wire at each end, as shown in Fig. 3.



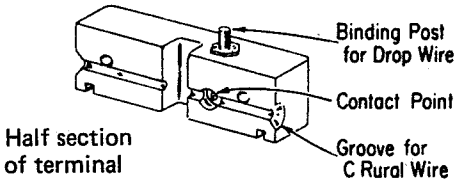
107A2 Wire Terminal (Cover in place)
Fig. 3

3. DESCRIPTION OF 107A1 WIRE TERMINAL

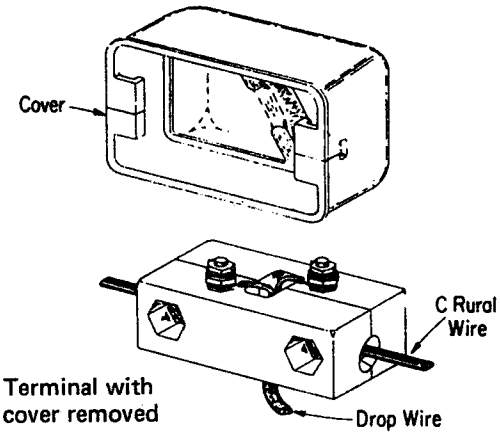
3.01 The 107A1 has been replaced by the 107A2 Wire Terminal. The 107A1 Wire Terminal, shown in Figs. 4, 5 and 6, consists of a pair of molded phenolic terminal blocks, each equipped with a binding post which terminates in an insulation piercing contact point. Space is provided on the binding posts for termination of two wires. A flexible neoprene cover and strips of sealing compound are provided with the terminal. The 107A1 Wire Terminal is installed on C Rural Wire in the same manner as the 107A2.

4. REUSE OF TERMINALS

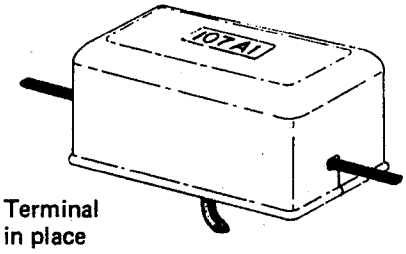
4.01 The 107-type wire terminal should *not* be reused. The contact points of the terminal do not always make a satisfactory connection with the conductors when reused.



107A1 Wire Terminal (Half section view)
Fig. 4



107A1 Wire Terminal (Cover removed)
Fig. 5



107A1 Wire Terminal (Cover in place)
Fig. 6