

C RURAL WIRE PLACING 178A1 COIL CASE

Contents	Page
1. General	1
2. Description	1
3. Installation on New Wire	1
4. Installation on Existing Wire	2

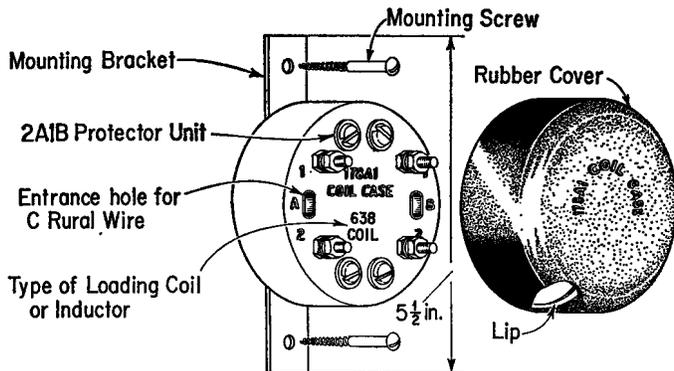
1. GENERAL

1.01 This section describes the 178A1 Coil Case and methods of installing these coil cases with C Rural Wire.

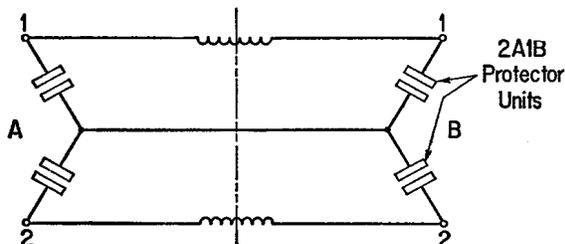
1.02 Loading coils or inductors should be installed on C Rural Wire only when specified in detail construction plans or other specific instructions. These plans or instructions should indicate the poles where loading coils or inductors are to be installed and the type of loading coil or inductor to be used.

2. DESCRIPTION

2.01 The 178A1 Coil Case is a cylindrical resin filled, plastic case equipped with a weatherproof, rubber snap-on cover. It has either a 632, 638 or 639 Loading Coil or a 1574A Inductor cast in the resin filling the plastic case. The type of loading coil or inductor is indicated by its code number being stamped with black ink on the face of the coil case just below the code designation of the case.



2.02 The coil case is equipped with four 2A1B Protector Units needed to protect the loading coil or inductor against lightning or heavy surge currents. No ground connection is required as the protector units are used to bypass the currents around the coil or inductor, as shown in the following illustration.

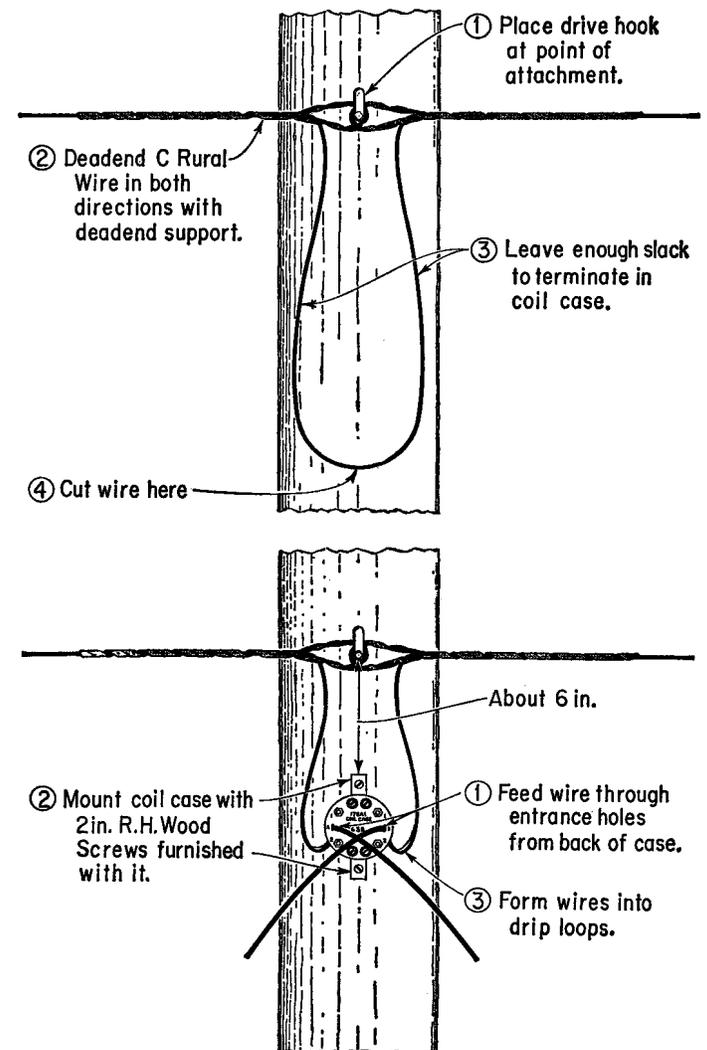


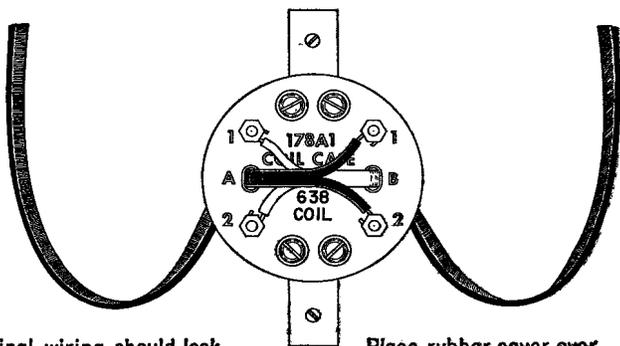
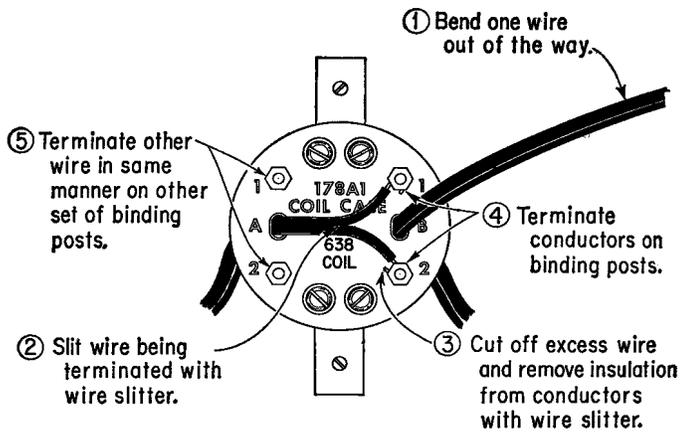
2.03 The coil case is equipped with a corrosion resistant mounting bracket which is cast into the resin filled case. Two mounting screws are furnished for fastening the mounting bracket to a pole.

2.04 The rubber snap-on cover can be removed by disengaging the lip from under the case on one side and pulling away from the face. When replacing the cover, make sure that the lip is engaged under the case all around the bottom to make the seal weatherproof.

3. INSTALLATION ON NEW WIRE

3.01 The 178A1 Coil Case can be mounted on a pole about 6 inches below the drive hook by using the screws furnished with the case. The C Rural Wire should be dead-ended both ways and sufficient wire brought down the pole to terminate in the coil case.

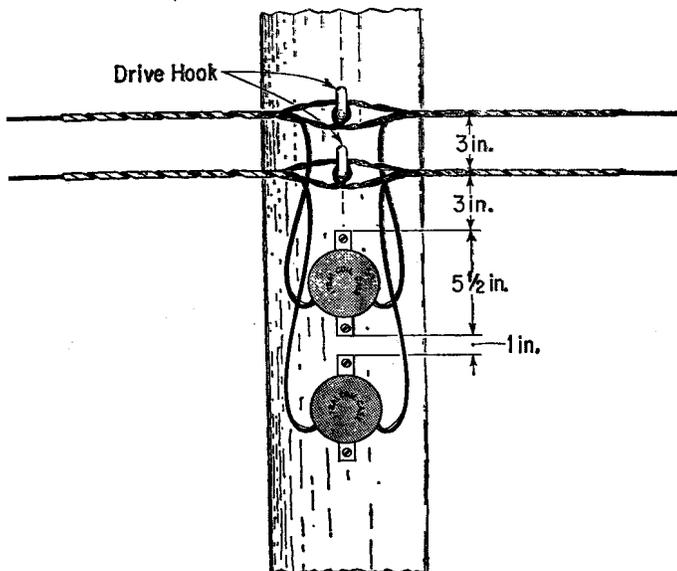




Final wiring should look as shown. (Either left or right wire can be on top).

Place rubber cover over case being sure lip is under case all around bottom.

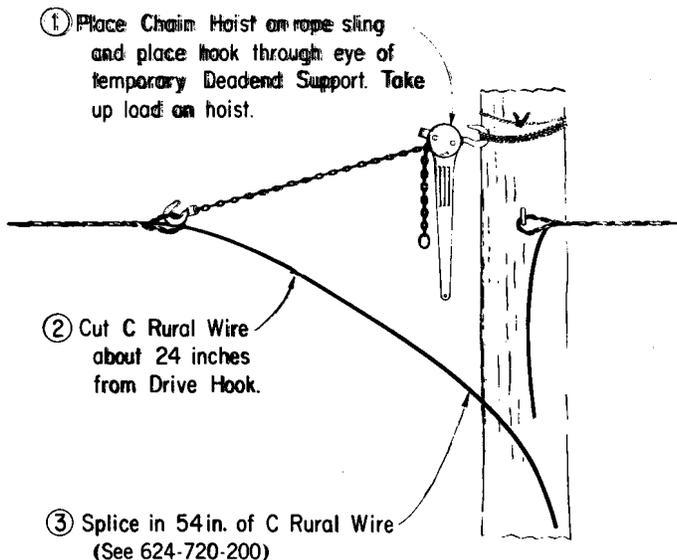
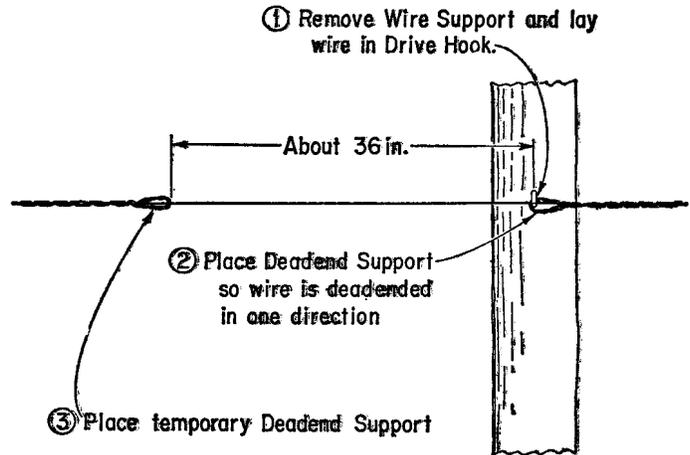
3.02 A second 178A1 Coil Case can be installed in the same manner as the first as shown below.



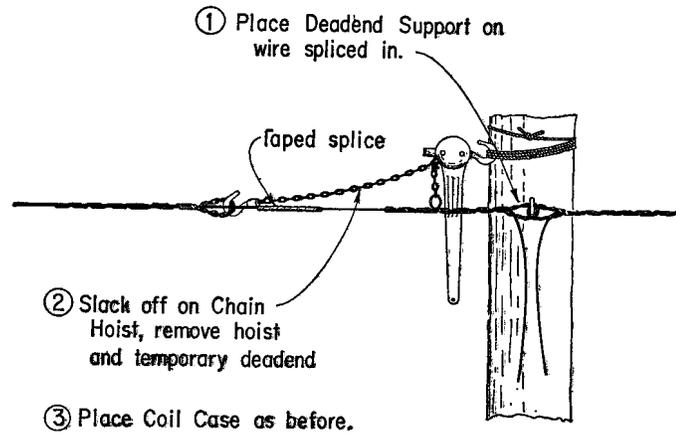
3.03 Where C Rural Wire is being attached to a crossarm with the C Wire Support, the wire should be brought to the pole and dead-ended both ways at poles where a coil case is being placed. The coil case is then installed in the usual manner.

4. INSTALLATION ON EXISTING WIRE

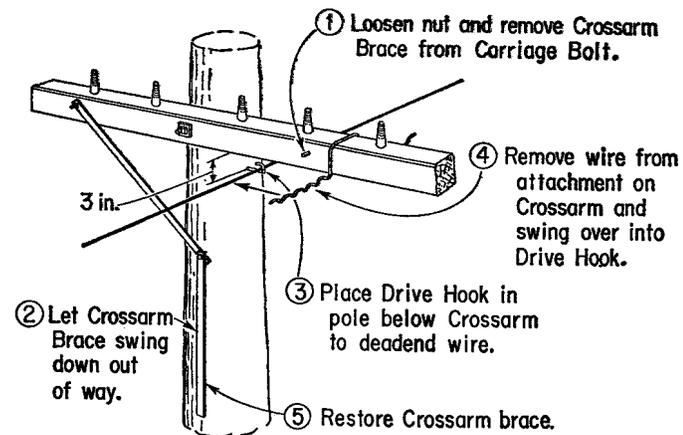
4.01 When installing a 178A1 Coil Case at a pole where the C Rural Wire is existing or runs straight through, it is necessary to cut the wire and splice in a piece of slack. This is done as follows:



Note: Rope blocks can be substituted for chain hoist.



4.02 When installing a 178A1 Coil Case at a pole where the existing C Rural Wire is attached to a crossarm with a C Wire Support or a D Wire Bracket, it is necessary to cut the wire and splice in a piece of slack. This is done as follows:



Note: If steps ③, ④ and ⑤ do not immediately follow step ②, swing crossarm brace up and tape it to other crossarm brace.

Proceed as shown in Paragraph 4.01.