

MOBILE HOME WIRING PERMANENT TYPE

1. GENERAL

1.001 This addendum supplements Section 461-220-100, Issue 1. Place this pink sheet ahead of Page 1 of the section.

1.002 This addendum is issued to emphasize the procedures for testing, bonding, and grounding mobile homes, and to specify the use of rubber gloves when driving ground rods.

2. CHANGES TO SECTION

2.001 On Page 1, change paragraph 1.04 to read as follows:

1.04 Prior to proceeding with installation, a preliminary survey of the area should be made. Makeshift pole lines, insufficient clearances, etc, should definitely be avoided. These conditions should be referred to the outside plant engineer. If arrangements have not been made, or conditions are found to be unsatisfactory, check with supervisor before proceeding with installation.

2.002 On Page 1, after paragraph 1.04, add the following READ:



Before starting installation, the following must be done: 1. TEST the mobile home shell (Part 2 of this section). 2. GROUND the mobile home shell and frame (4.03 through 4.06). 3. BOND the mobile home (4.07 and 4.08).

2.003 On Page 2, after paragraph 4.02, add the following paragraph:

4.02.1 Rubber gloves must be worn when driving a ground rod. Avoid bodily contact with the ground rod during this operation. On completion of driving ground rod, the B-Voltage Tester **must**

be used to verify that no voltage condition exists on ground rod. Rubber gloves must be worn. If voltage is detected, do not proceed until the supervisor is notified and the condition corrected.

2.004 On Page 4, change paragraph 4.07, add paragraph 4.07.1, and change paragraph 4.08 to read as follows:

4.07 Bonding should be completed before any installation work is started when the power is nonpermanent (plug and cord). Use a suitable size B, C, or D insulator support to bond the mobile home chassis to the protector ground terminal post using No. 10 bare copper wire. Attach the insulator support to an outrigger on the structural member of the mobile home chassis (Fig. 3 through 6).

4.07.1 Request that the mobile home occupant not turn on lights or appliances and have thermostats adjusted so that heating or cooling systems will not start while the bond is being placed.

4.08 Check near the front door of the mobile home for a seal that shows the mobile home is wired to meet requirements of American National Standards Institute A119.1 and the National Electric Code C1. If this seal is present and the mobile home is permanently wired using conduit (not cord and plug connected), it will not be necessary to bond the mobile home chassis to ground as it is already bonded through the conduit or power ground conductor. In this case it will only be necessary to bond the power ground and the ground terminal of the protector ground together. **When power to the mobile home is cord and plug connected, always bond the chassis to protector ground terminal or to station ground electrode.**

2.005 Add Fig. 1.1.

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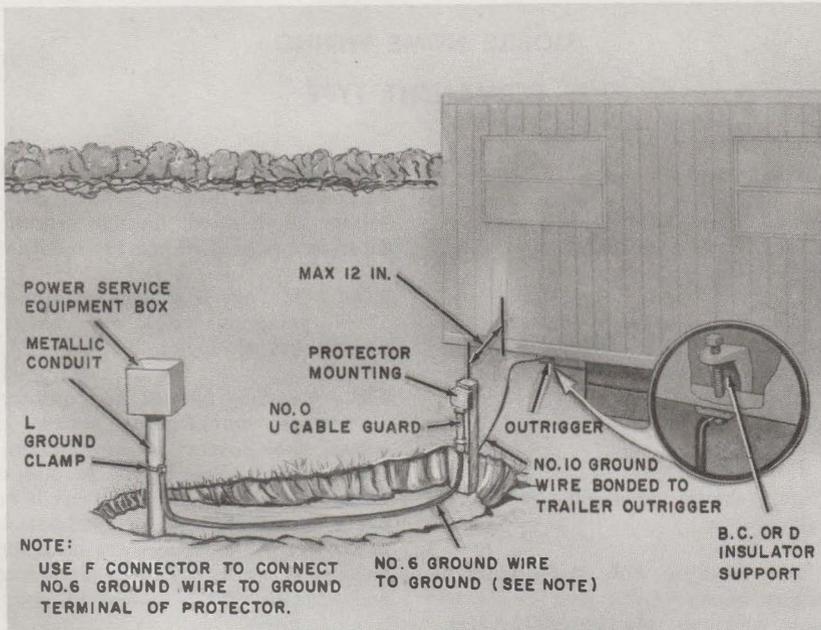


Fig. 1.1—Bonding Mobile Home to Protector Ground Terminal and to Power Equipment Ground