

## FOUNDATION AND ASSOCIATED APPARATUS

### KS-21976

#### 1. GENERAL

1.01 This section includes information on the KS-21976, List 1 foundation (Fig. 1); KS-21976, List 2 drive tool (Fig. 2); KS-21976, List 3 tread plate (Fig. 3); and KS-21976, List 4 pad fixture (Fig. 4).

1.02 This section is reissued to:

- Revise information KS-21976, List 3 tread plate
- Add information on KS-21976, List 4 pad fixture.

#### 2. IDENTIFICATION

2.01 The foundation (Fig. 1) is a screw type anchoring device, designed to support a KS-20842 SENTRY\* telephone mounting, which can be used in lieu of a poured concrete base.

2.02 The foundation has the following features.

- (a) The main body consists of a 6-inch diameter steel pipe, 48 inches long.
- (b) On one end of the pipe is a mounting plate for attaching the drive tool or pedestal.
- (c) On the other end is an 11-5/16 inch diameter helix and a 12-inch long pilot.
- (d) The foundation weighs approximately 85 pounds.

2.03 The drive tool (Fig. 2) is a round tool designed to interface between the foundation and the line truck digger shaft (Fig. 5).

2.04 The drive tool has the following features.

\* Trademark of Western Electric.

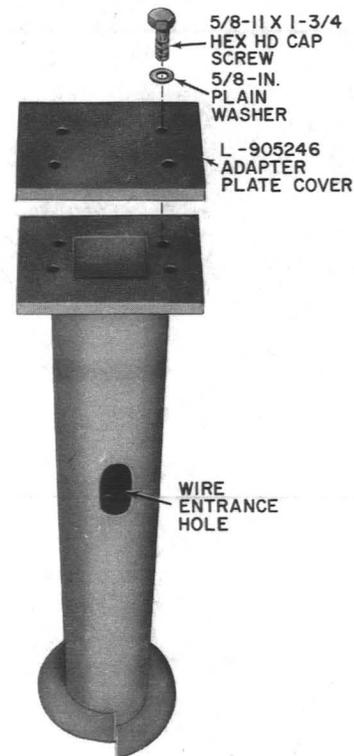


Fig. 1—KS-21976, List 1 Foundation

- (a) Made of steel.
- (b) Is approximately 7-3/4 inches in diameter and 3-1/2 inches thick.
- (c) One tool can be used for all foundations.

2.05 The tread plate (Fig. 3) is an aluminum plate, 27-5/8 inches by 31-1/8 inches, which is used as a pad for the customer to stand on while using the phone. It is attached directly to the foundation with the support of a steel framework.

2.06 The pad fixture (Fig. 4) facilitates the construction of a concrete (or equivalent)

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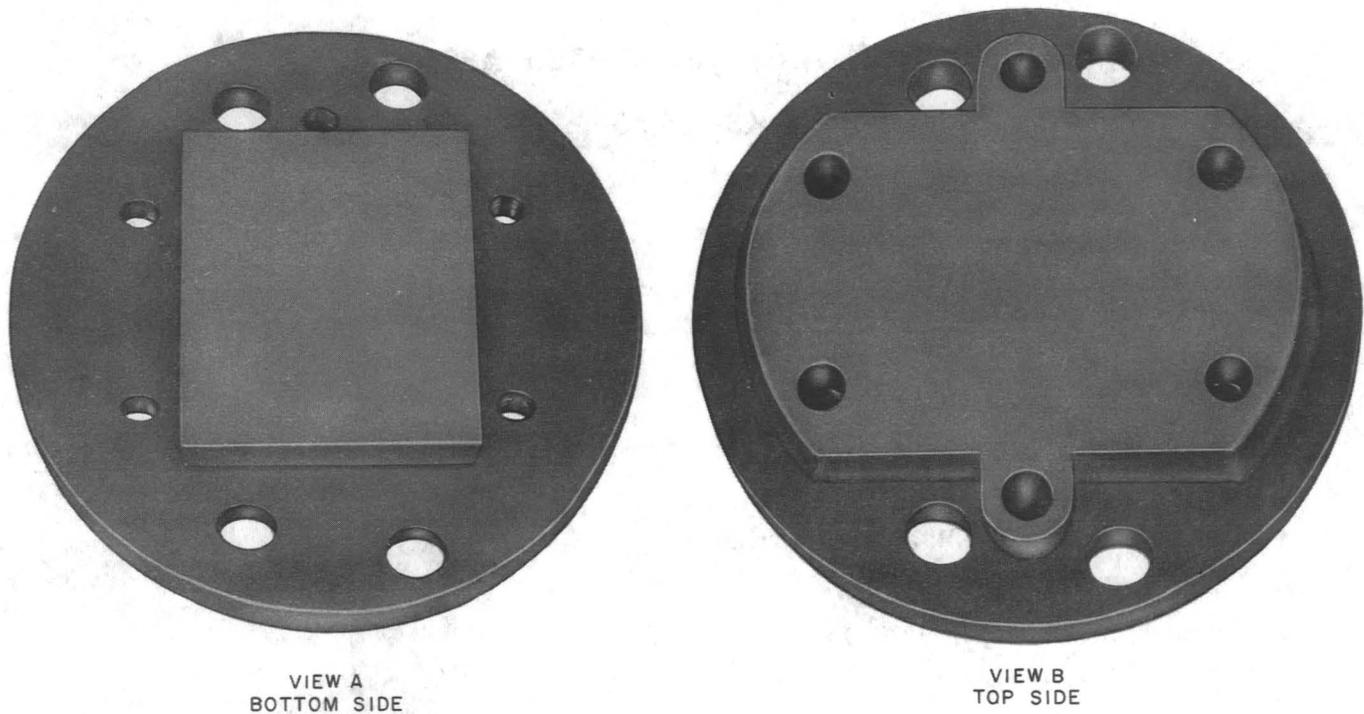


Fig. 2—KS-21976, List 2 Drive Tool

floor pad. It can be used an infinite number of times.

#### Ordering Information

**Note:** Since one List 2 drive tool and List 4 fixture can be used an infinite number of times, it is not necessary to order the tool and the List 1 foundation on a 1 to 1 basis.

**2.07** Following is an example of a typical order:

5—Foundations KS-21976, List 1

1—Tool, Drive KS-21976, List 2

5—Plates, Tread, KS-21976, List 3.

### 3. INSTALLATION (Fig. 4)

#### A. List 1 Foundation

**3.01** Assemble the List 2 drive tool to the Kelly bar adapter.

**3.02** Remove the coverplate from the foundation and assemble the List 1 foundation to the

List 2 drive tool, using the 5/8-11 by 1-3/4 hex head cap screws which secured the cover.

**3.03** Attach the digger shaft adapter to the digger shaft.

**Note:** A digger shaft that has been modified to approximately 24-inches long is recommended.

**3.04** Maneuver the digger shaft until the pilot of the foundation is over the exact location of installation.

**3.05** Lower the foundation until the pilot is forced into the ground and the helix is flush with the ground surface.

**3.06** Using a suitable carpenter's level, ensure that the foundation is plumb in every axis.

**3.07** Apply downward pressure on the foundation and rotate it in the *dig* direction.

**3.08** When the helix has penetrated approximately 1 foot into the ground, verify that foundation is still plumb.

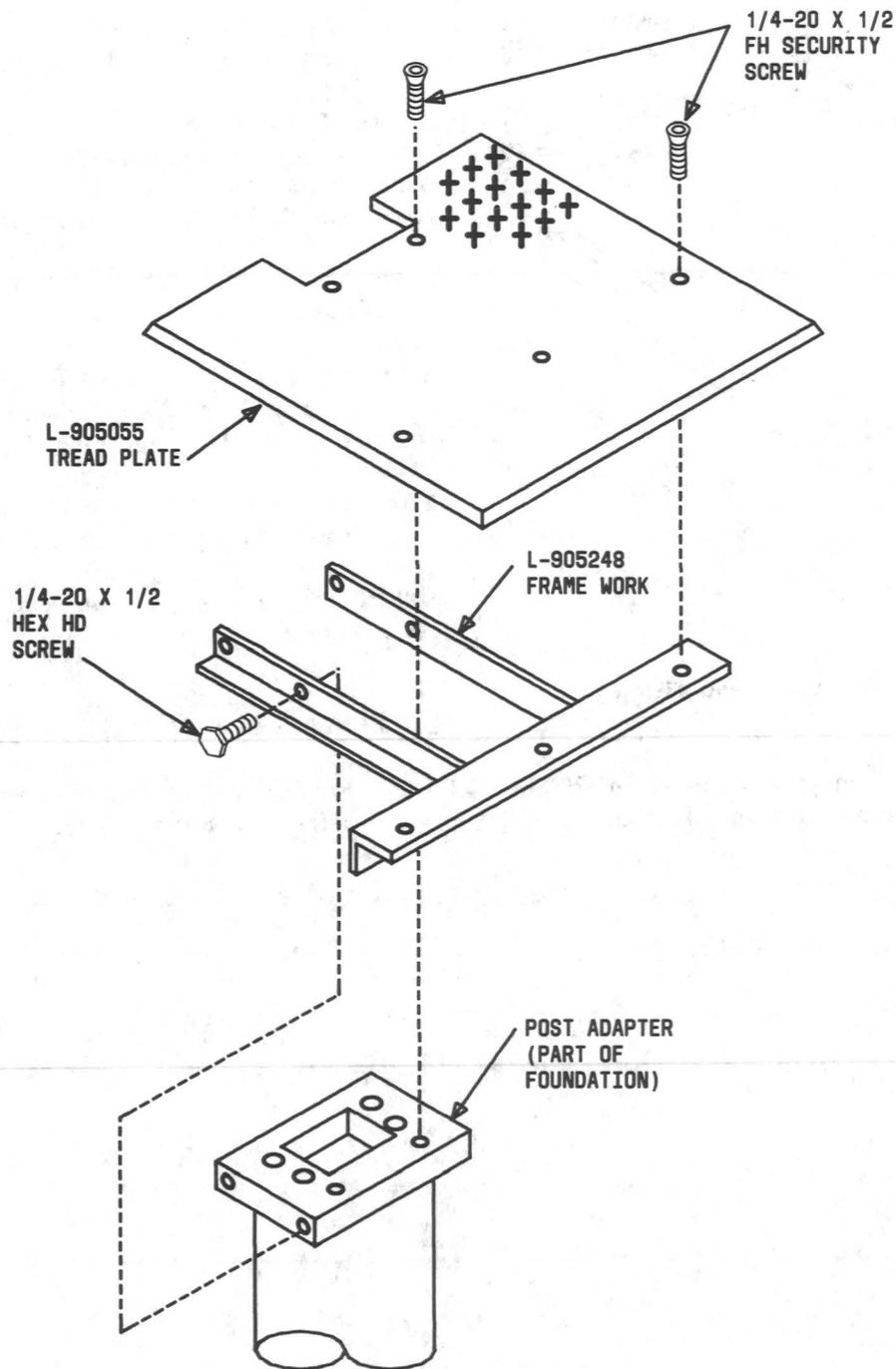


Fig. 3—Installation of KS-21976, List 3 Tread Plate

**3.09** Continue to install the foundation, applying downward pressure and correcting the digger shaft's orientation so the foundation embeds itself in one smooth continuous motion.

**Note:** The top edge of the foundation should be level with the surface upon which the

customer will stand. When using the List 4 fixture, leave top edge of foundation up enough to allow for the poured concrete (or equivalent).

**3.10** When the foundation's baseplate is to the correct depth, stop the digger, remove the drive tool from the foundation and the digger

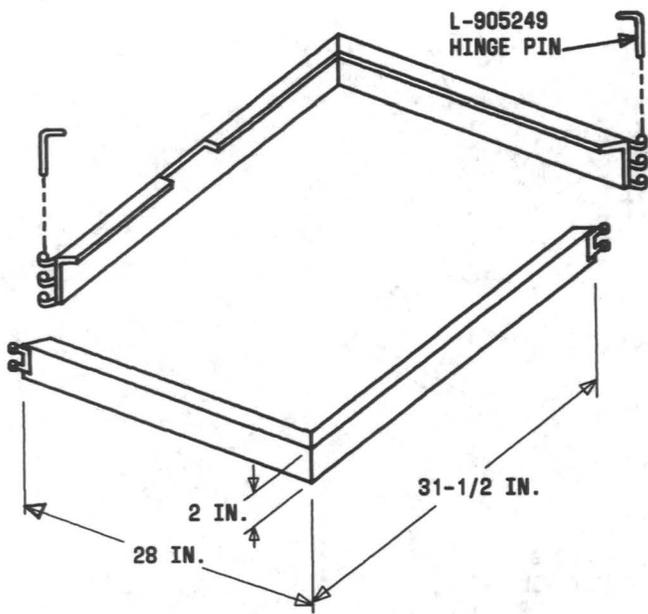


Fig. 4—KS-21976, List 4 Pad Fixture

shaft. Replace the adapter plate cover if the mounting is not available for installation.

3.11 Holes are provided on the side of the foundation for underground wiring.

**B. List 3 Tread Plate**

3.12 Install the KS-21976, List 3 tread plate on the foundation as shown in Fig. 3.

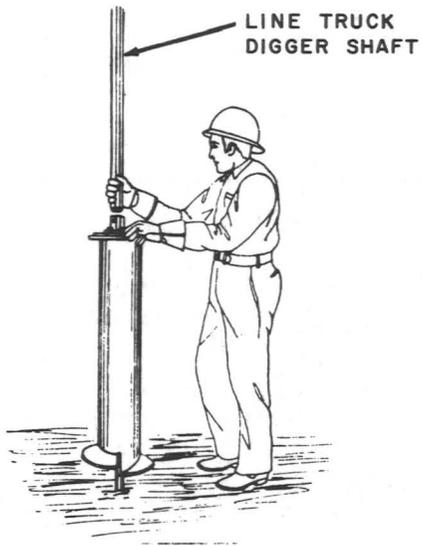
**C. List 4 Pad Fixture**

3.13 Place the cutout portion of the fixture around rear of foundation. Fasten the two sections together using the hinge pins furnished (Fig. 4).

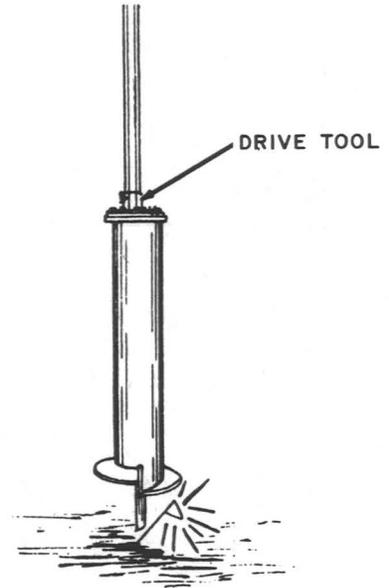
3.14 Pour the material (concrete, Par-Rock) in the fixture per local regulations. After the concrete sets up, pull the hinge pins from the fixture and retrieve the two sections. Retain the fixture for future use.

**D. KS-20842 SENTRY Telephone Mounting**

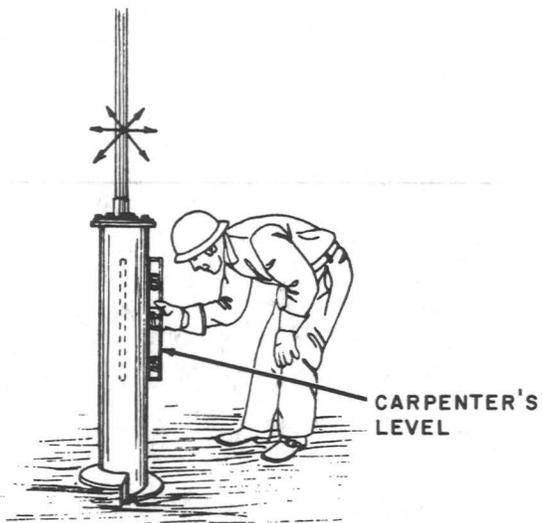
3.15 For installation procedures on the mounting, refer to Section 508-452-100.



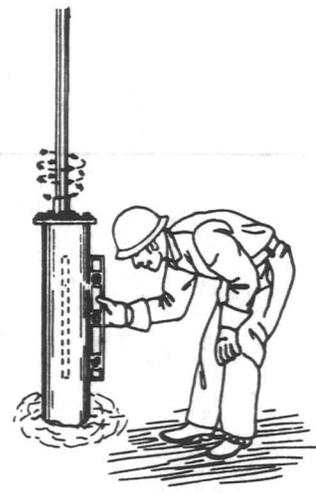
VIEW A



VIEW B



VIEW C



VIEW D

Fig. 5—Installation Procedures