B AERIAL INTERFACE (AT-8685)

DESCRIPTION AND INSTALLATION

1. GENERAL

1.001 This addendum supplements Section 631-340-105, Issue 2.

1.002 This addendum is issued to:

- Change procedures for constructing moisture plug.
- Include use of B cabinet balcony (AT-7928) at installations where backrest is considered necessary.
- Include preterminated terminal block installation procedures.
- Revise Parts 2, 4, 5, 7, and 8.

1.003 Changes to Parts 2, 4, 5, 7, and 8 are as follows.

2. DESCRIPTION

2.01 (10) Change—***One Pair Insertion Cut-Off Tool*** (778D2) to ***One pair Insertion Cut-Off Tool*** (788D3)

2.01 (13) Delete—***Plug Cup***—For building moisture dam on incoming cables entering bottom of closure.

2.02 (4) Change to read as follows—***A 5-pair Insertion Tool***—Comprised of 788B1 tool (head) and 788A1 tool (handle) for seating cable conductors and connector blocks.

2.02 (8) Add—The ***B cabinet balcony (AT-7928)*** may be used at installations where a backrest is considered necessary.

2.02 (9) Add—***Moisture Plug Kit***—For forming moisture plugs in buried air core cable as outlined in Section 631-600-305. Waterproof cables do not need to be plugged.

2.02 (10) Add—Preterminated connectors are available for installation in the B aerial interface. Table A provides information on installation options.

4. INSTALLATION

4.01 (c) Add—A 88AS2-1800 closure and three 11A1-600 terminal blocks listed in Table A may be ordered separately and assembled in a garage or at a construction site.

4.02 Change to read—Terminate stub cable in B aerial interface (AT-8685) in a garage or other sheltered area as follows:

(a) Temporarily mount closure to a wall, column, or other supporting surface.

(b) Prepare and terminate stub cable as outlined herein.

(c) Carefully coil and support stub cable to prevent kinking of sheath and stressing of sealing gland as shown in Fig. 1 of this addendum.

(d) Transport completed assembly to construction site and install as outlined in 4.04 through 4.10.

4.02.1 Add—Preterminated stub cables described in Table A may be installed as outlined in Part 8.

4.09 Add—Where a backrest is considered necessary install a B cabinet balcony (AT-7928).

5. CABLE PLACING

Add note prior to 5.01 as follows.

> ***Note:*** Cables to be terminated on wiring block by field forces, either in a garage or at a construction site should be routed into closure and prepared for termination as outlined in Parts 5, 6, and 7 prior to installation of any preterminated terminal blocks as outlined in Part 8.

7. CABLE SHEATH PREPARATION

7.02 Delete paragraph and associated Fig. 5.

7.07 Add—Filled cables do not require moisture plugs.

7.08 Change to read as follows:

Install a moisture plug as outlined in Section 631-600-305. Due to the time required for encapsulant to reach no-flow condition, it is advisable to complete cable forming and pour encapsulant before leaving job location.

8. INSTALLING PRETERMINATED TERMINAL BLOCK

8.01 through 8.05—Delete and add following 8.01 through 8.11.

8. INSTALLING PRETERMINATED TERMINAL BLOCKS

8.01 Install a D bond clamp on each cable stub as described in Section 081-852-118.

8.02 Secure a ground strap to bond clamp.

8.03 For bottom-entering stubs which must be plugged, apply binder group identification ties at a point 6 inches above the butt of the cable and then remove all unit binders from the cable between the butt and the ties.

8.04 Preterminated terminal blocks are shipped with an inner protective wrapping to keep out dirt. Do not remove this wrapping until terminal block is installed and mounting frame is to be reassembled.

8.05 Remove mounting frame from closure. Pass end of stub through proper cable entrance hole from inside of closure. On installations where closure has been pole mounted prior to this operation use a handline or other appropriate hoisting gear to raise stub into place. Protecting terminal block from damage, raise stub into place until terminal block is in position. Install hinge bolt through bracket at bottom of closure as shown in Fig. 2 and temporarily lash connector panel in upright position.

Note: A slack loop as shown in Fig. 8 must be provided for each bottom entering cable.

8.06 Secure each ground strap to inside surface of closure frame (Fig. 7).

8.07 Install sealing glands and C sealing clamps as outlined in Part 6.

8.08 Install a moisture plug on each air core bottom entrance stub as outlined in Section 631-600-305.

8.09 Working with one panel at a time, remove temporary lashing and assemble mounting frame channels to front side of panels. Position wiring troughs from rear of panel and reassemble to frame.

8.10 In those installations which also involve cables to be field terminated, install required wiring block panels and proceed as described in Parts 9 through 16.

8.11 In installations where cable termination is now complete, proceed as described in 9.05, 9.06, 9.07, and 9.13 through 9.16.

TABLE A

INTERFACES AND PRETERMINATED CONNECTORS

CODE	DESCRIPTION
AT-8685B Aerial Interface	Complete unit for field termination of 1800 pair of cable conductors.
88AS2-1800 Closure	Same as AT-8685 B aerial interface except furnished less wiring blocks on mounting panels, connecting blocks, and adapters. Intended for use with the 11A1-600 stubbed terminal blocks.
11A1-600 Stubbed Terminal Blocks	BKMG cable stub terminated to a 600-pair panel of 88-type connectors. Mounts in the 88AS2-1800 closure as either feeder or distribution cables. A full compliment consists of (3) 11A1-600 stubbed terminal blocks, one for feeder and two for distribution cables.
88K3-600 Terminal Block	This code consists 288A1-25 adapters, 88BBW1-5 connecting blocks, and 88DW1-300 wiring blocks on a mounting panel to terminate 600 pair. Intended to provide the components necessary to field terminate 600 cable pair in the 88AS2-1800 closure when a full compliment of 11A1-600 stubbed terminal blocks is not desired.

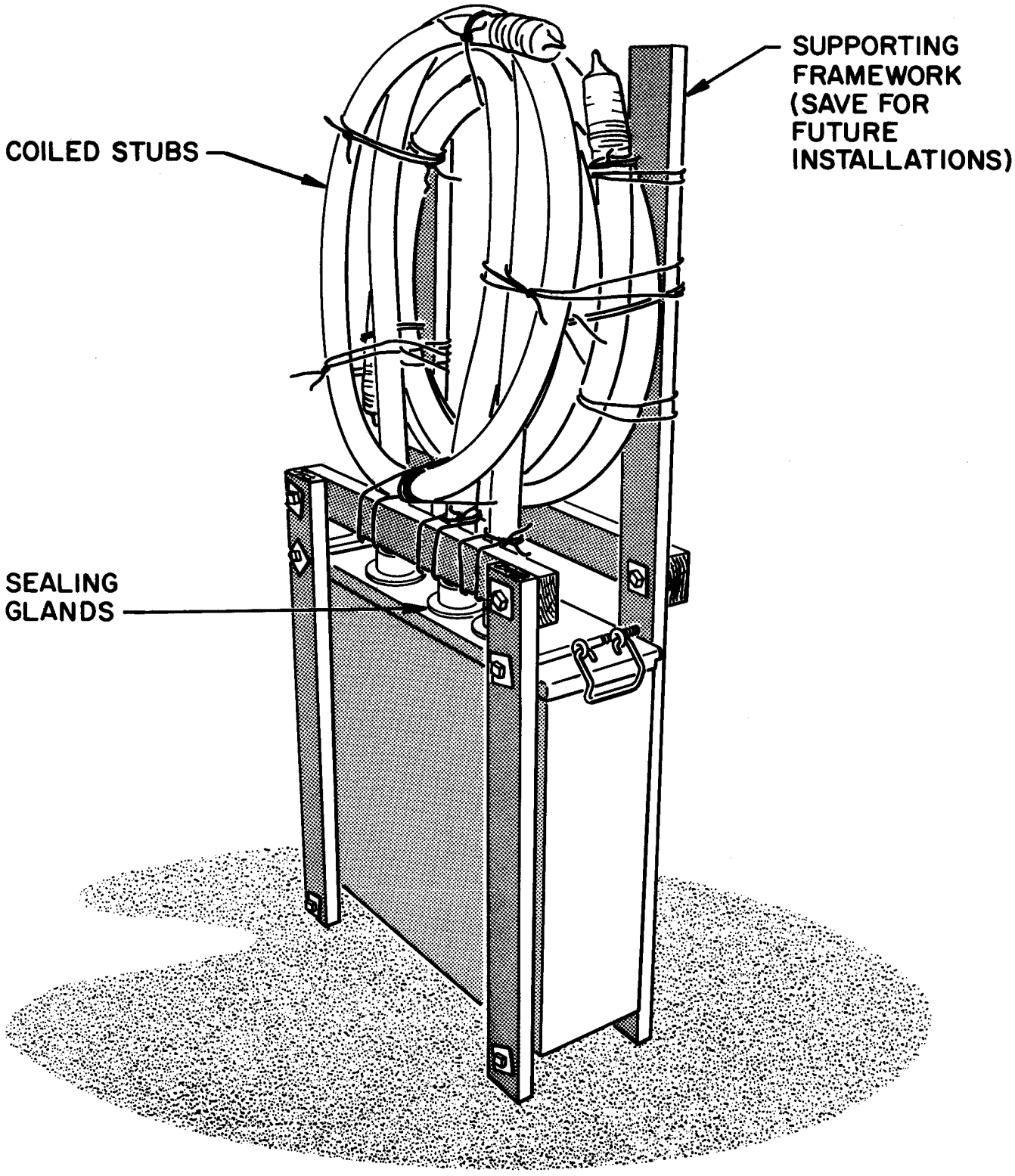

Fig. 1—A Method of Coiling and Supporting Stubs

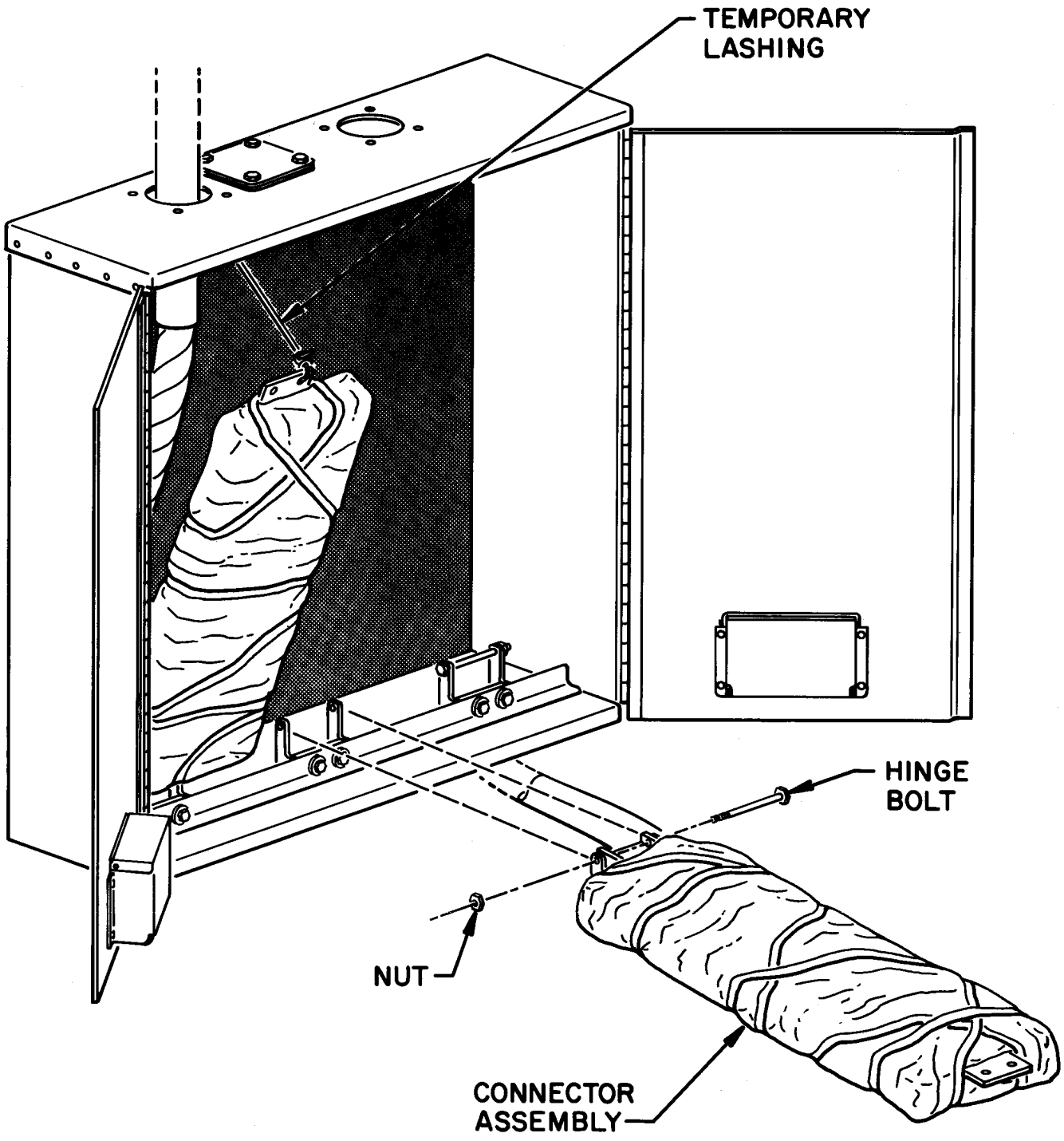

Fig. 2—Installation of Hinge Bolt in Connector Assembly