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3rd Edition
October 1984

EK-H4000-IN-003



H4000 DIGITAL Ethernet Transceiver

Installation Manual

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CAUTION

**NOT FOR INSTALLATION IN AIR DUCTS OR PLENUMS
FOR INSTALLATION IN OTHER ENVIRONMENTAL AIR
HANDLING SPACES. USE ONLY WITH CABLE CLASSIFIED
BY UNDERWRITERS LABORATORIES, INC. AS TO FIRE
AND SMOKE CHARACTERISTICS IN ACCORDANCE WITH
SECTION 726-2(B) OF THE NATIONAL ELECTRIC CODE.**

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DECmate	MASSBUS	UNIBUS
DECset	PDP	VAX
DECsystem-10	P/PS	VMS
DECsystem-20	Professional	VT
		Work Processor

IF YOU NEED HELP:

Call the Ethernet Customer Support Center:

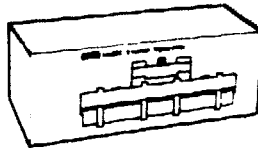
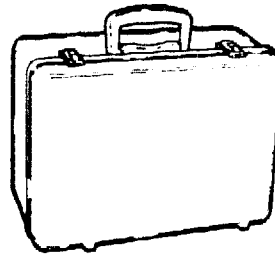
US (except Alaska, Georgia, and Hawaii):
Call toll-free 800-554-3333

Alaska, Georgia, and Hawaii:
Call collect 404-953-9056

Prepared by
Educational Services
of
Digital Equipment Corporation

YOU SHOULD HAVE THESE ITEMS

ETHERNET TRANSCEIVER
INSTALLATION KIT H4090-KA,
OR H4090-KB AND DRILL



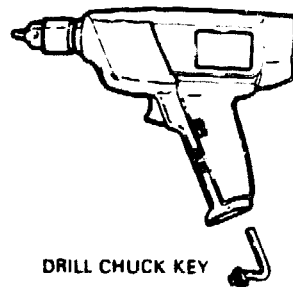
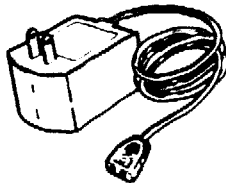
H4000 TRANSCEIVER
(IN SHIPPING PACKAGE)

INSTALLATION KIT CONTENTS

NOTE

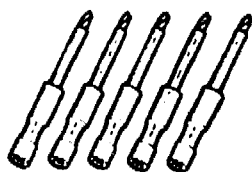
DRILL AND CHARGER IN H4090-KA ONLY

DRILL AND DRILL CHARGER 29-24337



DRILL CHUCK KEY

INSTALLATION KIT CONTENTS (CONT)

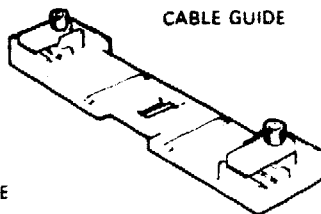


DRILL BITS
29-24341

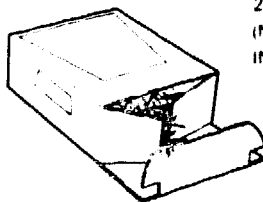
DRILLING FIXTURE 29-24338
(INCLUDES DRILL GUIDE
AND CABLE GUIDE)



DRILL GUIDE



CABLE GUIDE

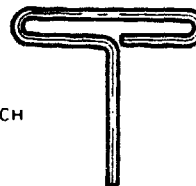


BOX OF BRAID CONTACTS
29-24339
(NOT INCLUDED WITH
INSTALLATION KIT)

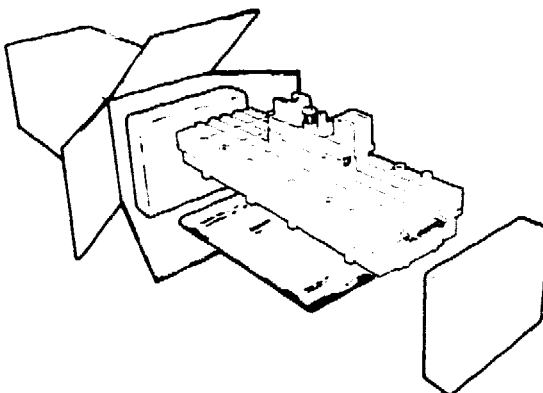
CABLE TIES
(NOT INCLUDED WITH
INSTALLATION KIT)



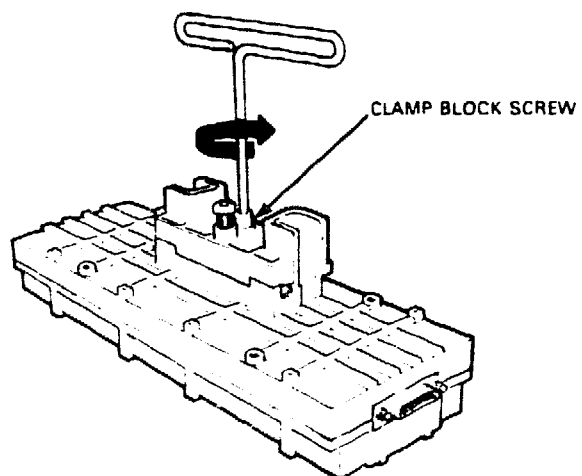
HEX WRENCH
29-24340



UNPACKING TRANSCEIVER

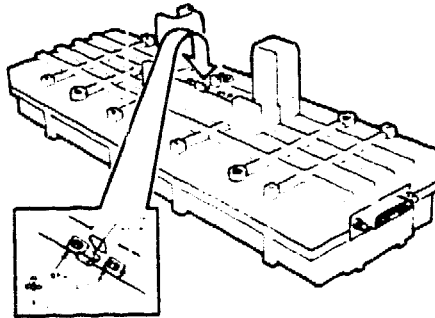
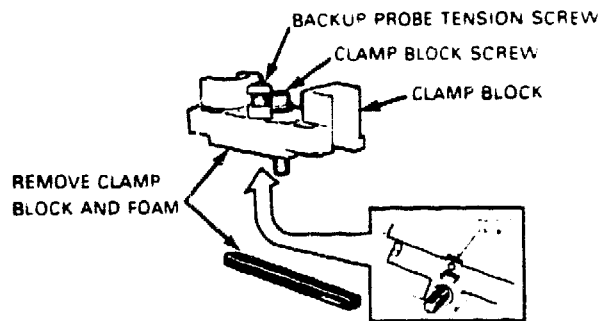


LOOSEN CLAMP BLOCK WITH HEX WRENCH



CAUTION
BACKUP PROBE SCREW MUST NOT BE SCREWED
DOWN. LOOSEN PROBE SCREW IF NECESSARY.

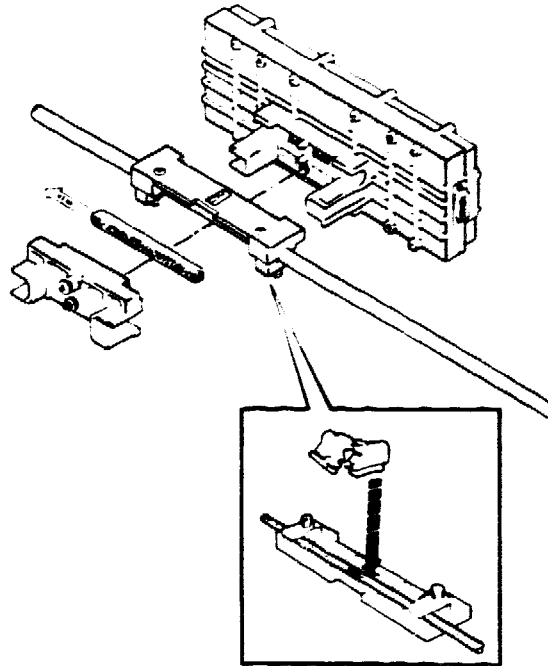
INSPECT TRANSCEIVER



If probes are broken or bent, obtain replacements from DIGITAL Field Service

If braid contacts are broken or bent, replace with new ones

INSTALLING CABLE GUIDE



NOTE

*ROTATE FIXTURE TO BRING THE H4000 INTO ITS
FINAL POSITION BEFORE TIGHTENING CLAMPS*

Place cable guide on coaxial cable as show

Center selected black band over notches in cable gun

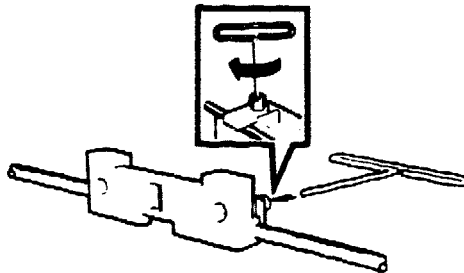
TIGHTENING CABLE GUIDE

Close cable clamps over cable

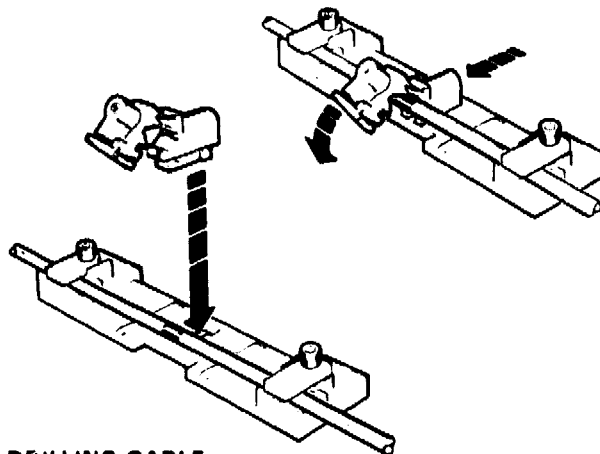
Securely tighten clamps with hex wrench

CAUTION

TO AVOID DAMAGE TO CABLE, DO NOT OVERTIGHTEN



INSTALLING DRILL GUIDE

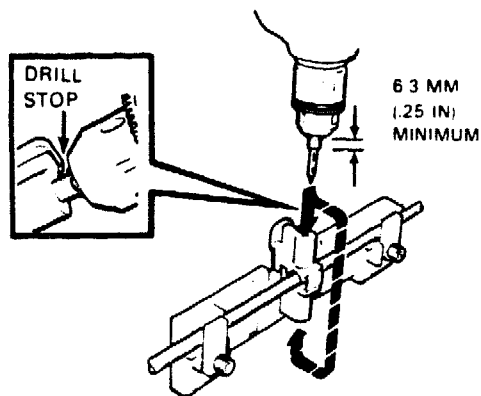


DRILLING CABLE

- Check Drill
 - If drill does not operate, set to "OFF" and install drill charger
 - Full charging may take up to 3 hours

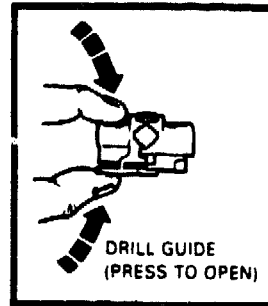
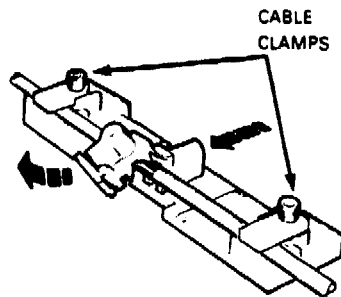
CAUTION
DO NOT OPERATE DRILL WITH CHARGER IN PLACE.

- Put drill in "FWD" position before operating
- Drill from both sides of drill guide
- Drill all the way in, until drill bit stops against drill guide



REMOVING DRILL GUIDE

NOTE
USE SPARE DRILL
BIT TO CLEAN HOLES
INSPECT FOR DEBRIS

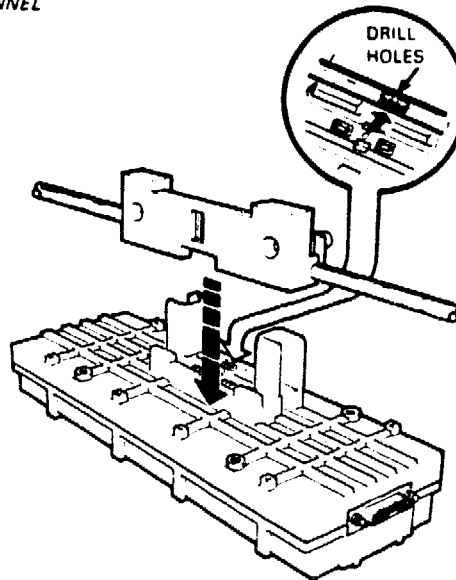


CAUTION
DO NOT LOOSEN CABLE CLAMPS.

INSTALLING CABLE ONTO TRANSCEIVER

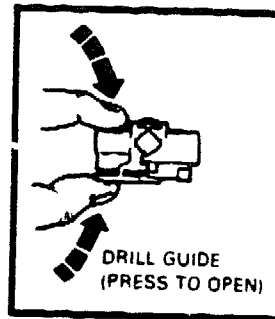
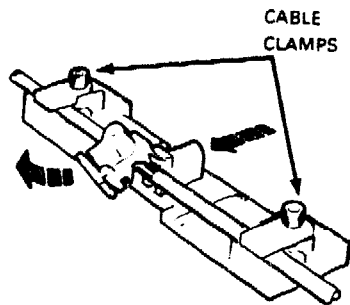
Push cable into coaxial cable channel

NOTE
DRILL HOLES MUST LINE UP WITH PROBE IN CABLE
CHANNEL



REMOVING DRILL GUIDE

NOTE
USE SPARE DRILL
BIT TO CLEAN HOLES
INSPECT FOR DEBRIS

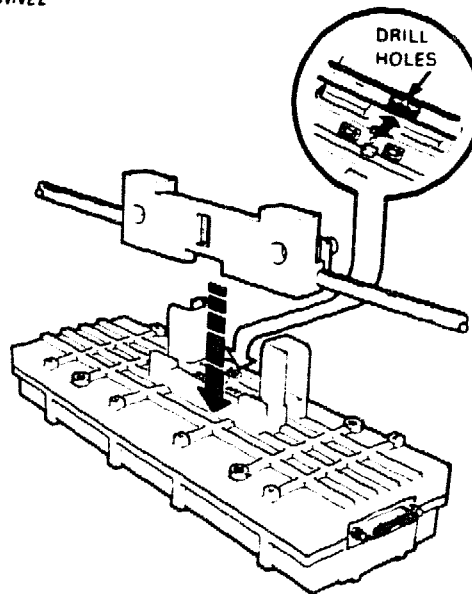


CAUTION
DO NOT LOOSEN CABLE CLAMPS.

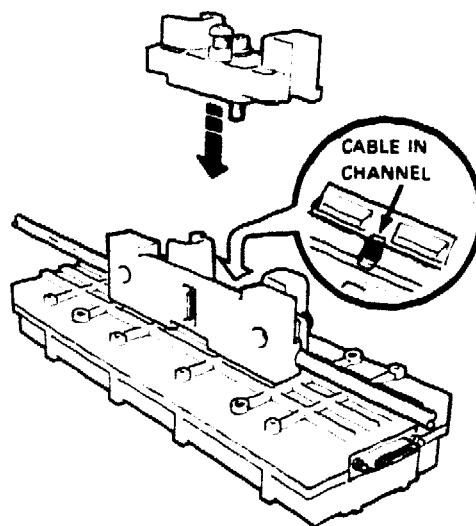
INSTALLING CABLE ONTO TRANSCEIVER

Push cable into coaxial cable channel

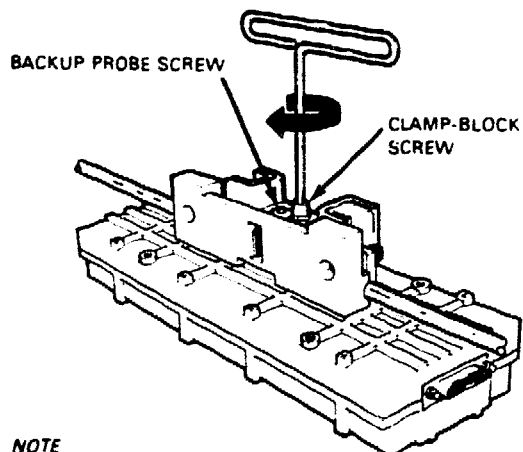
NOTE
DRILL HOLES MUST LINE UP WITH PROBE IN CABLE
CHANNEL



INSTALLING CLAMP BLOCK



TIGHTENING CLAMP BLOCK SCREW



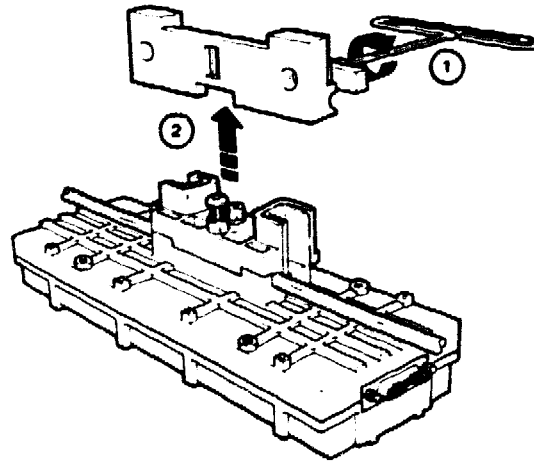
NOTE
PERFORM THESE STEPS IN THE
EXACT ORDER GIVEN

1. Tighten clamp-block screw
2. Tighten backup-probe screw with hex wrench

REMOVING CABLE GUIDE

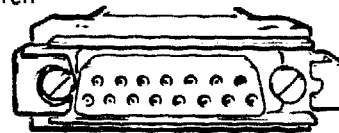
LOOSEN CABLE CLAMPS WITH HEX WRENCH ①

REMOVE CABLE GUIDE ②



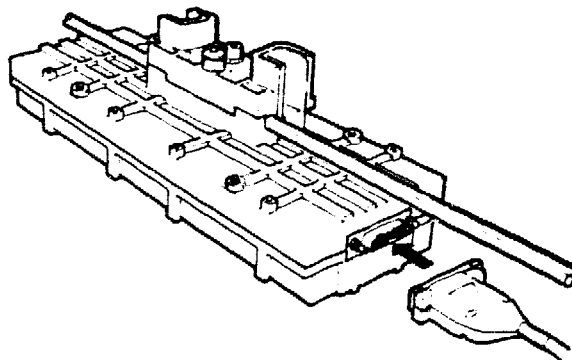
OPENING CONNECTOR LATCH

SLIDE CABLE CONNECTOR LATCH
TO OPEN POSITION



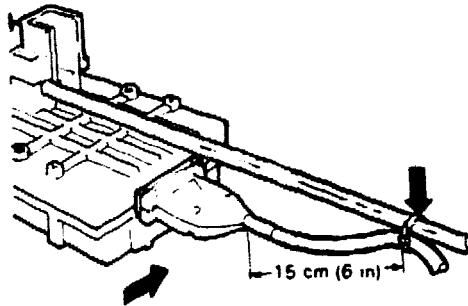
TRANSCIVER CABLE CONNECTOR
IN OPEN POSITION

ATTACHING TRANSCEIVER CABLE



ATTACH TRANSCEIVER CABLE TO TRANSCIVER
CABLE CONNECTOR

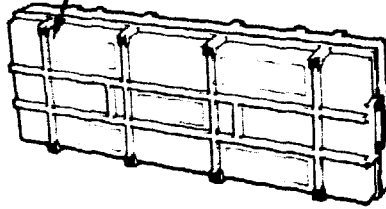
CLOSING CONNECTOR LATCH AND TIE- WRAPPING TRANSCEIVER DROP CABLE TO COAXIAL CABLE



SLIDE CABLE CONNECTOR LATCH TO CLOSED POSITION.
AND CHECK THAT CONNECTION IS SECURE

LABELING TRANSCEIVER

BLANK LABEL FOR YOUR USE TO INDICATE ADDITIONAL
INFORMATION ABOUT TRANSCEIVER



BACK OF TRANSCEIVER

CONGRATULATIONS!

You have completed installation of the H4000 DIGITAL Ethernet Transceiver

**EDUCATIONAL SERVICES
DEVELOPMENT AND PUBLISHING
UPDATE NOTICE**

*H4000 DIGITAL Ethernet
Transceiver Installation Manual*

EK-H4000-IN-CN1

May 1985

Insert this update notice into the folds of the *H4000 DIGITAL Ethernet Transceiver Installation Manual*.

**PLEASE READ THIS PRIOR TO INSTALLING
THE H4000 ETHERNET TRANSCEIVER**

Due to a slightly larger diameter encountered with PVC type cable, more force is required to install the cable into the coaxial cable channel of the transceiver. The PVC type cable may bulge slightly in the upper assembly of the tap and may not appear to properly contact the lower assembly of the tap. This is normal for PVC type cable.

The drill bits supplied with the DIGITAL installation kit can be used for tap installation on PVC or Teflon™ cable. After drilling coaxial cable, use a spare drill bit to clean previously drilled holes. Inspect the holes for debris.

Do **NOT** loosen the cable clamps of the cable guide until the cable is installed into the transceiver and the clamp block is installed.

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