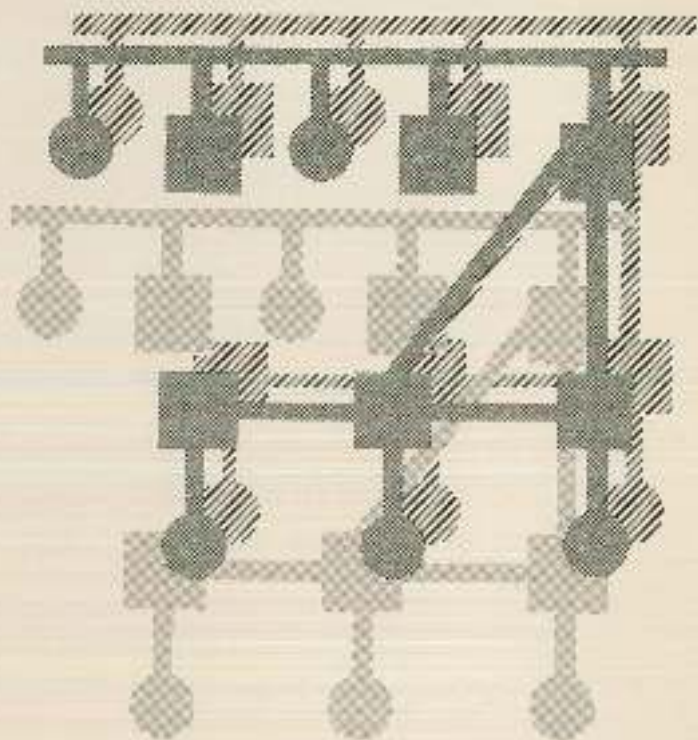


H4000 DIGITAL Ethernet Transceiver

Installation Manual





H4000
DIGITAL Ethernet Transceiver
Installation Manual

Prepared by
Educational Services
of
Digital Equipment Corporation

2nd Edition, June 1984

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Work Processor

If You Need Help:

Call the Ethernet Customer Support Center

US (except Alaska, Georgia, and Hawaii):
Call toll-free 800-564-3333

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

Note:

Install the DIGITAL H4000 Ethernet Transceiver only on black bands located every 2.5 m (8 ft) on DIGITAL Ethernet coaxial cable.

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 725-2(b) of the National Electric Code.

You Should Have These Items:



H4000 TRANSCEIVER
(IN SHIPPING PACKAGE)

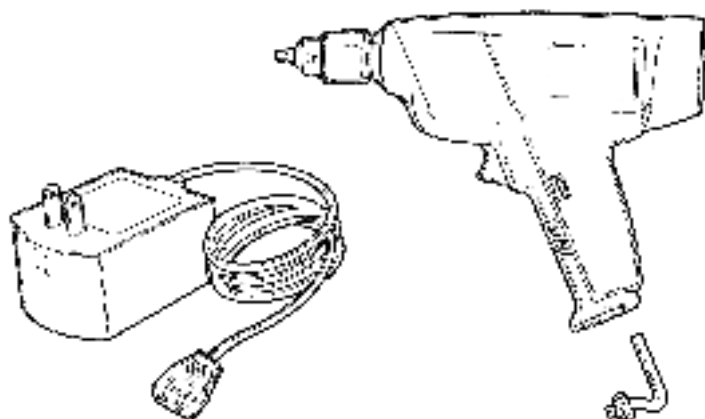
ETHERNET TRANSCEIVER
INSTALLATION KIT (H4000-KA,
OR H4000-KB AND D1011)



Installation Kit Contents

Note: Drill and charger in H409D-KA only; not required for installation.

DRILL AND DRILL CHARGER 28-24327

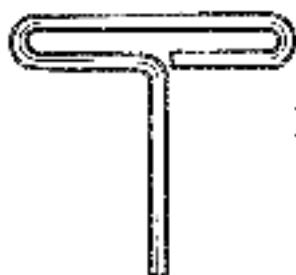


DRILL CHUCK KIT



DRILL BITS
28-24327

Installation Kit Contents (continued)

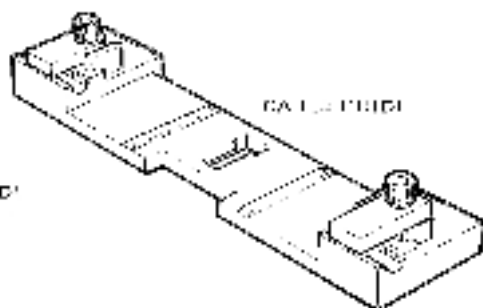


HEX WRENCH
20-24340

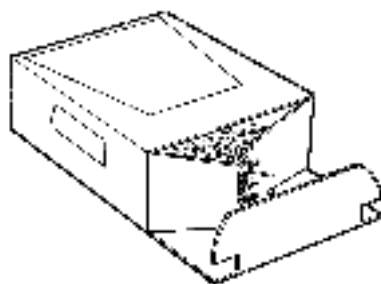
DRILLING FIXTURE 20-24339
(INCLUDES DRILL GUIDE
AND CABLE GUIDE)



DRILL GUIDE



CABLE GUIDE



BOX OF BRAID CONTACTS
20-24338
(NOT REQUIRED FOR INSTALLATION)

CABLE TIES
(NOT INCLUDED WITH
INSTALLATION KIT)

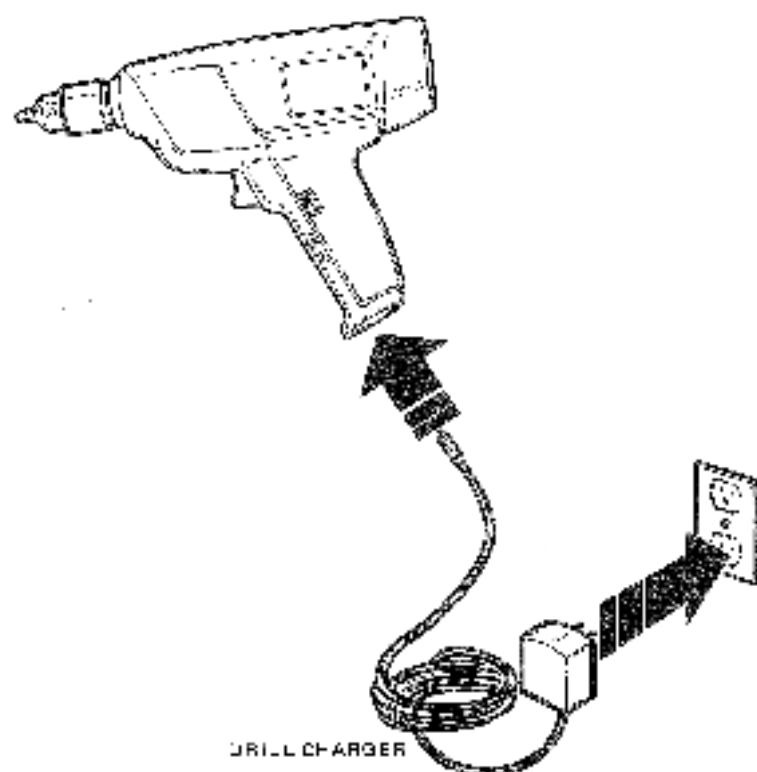


Checking Drill

If drill does not operate, turn drill to "OFF" and install drill charger.

Full recharging may take up to three hours.

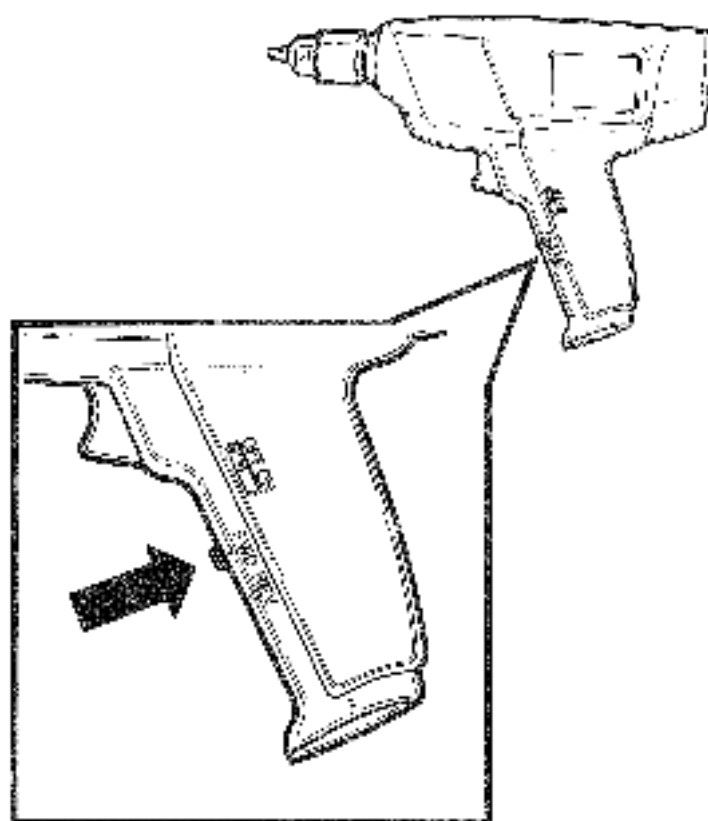
CAUTION: Do not operate drill with charger in place.



Checking Drill (continued)

Put drill in "FWD" (forward) position.

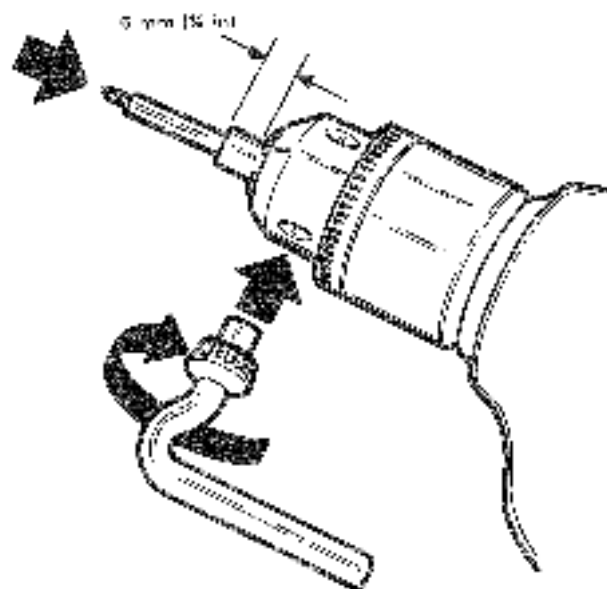
Turn drill on when ready to use.



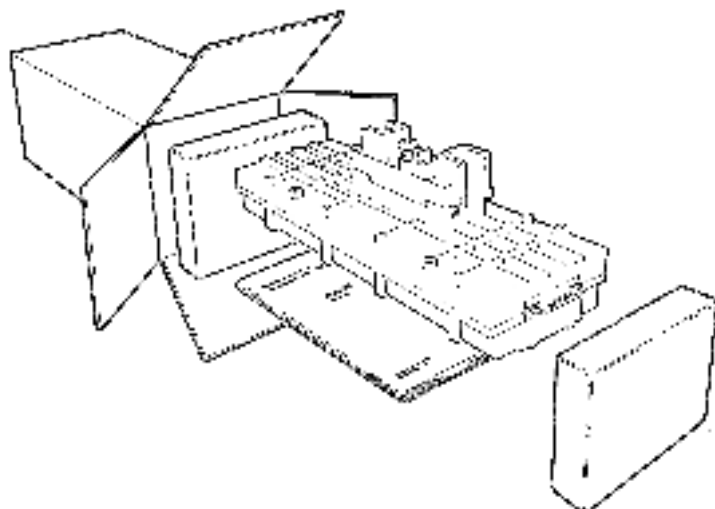
Installing Drill Bit

Install drill bit so that 6 mm (1/4 in) of bit insulation protrudes from drill.

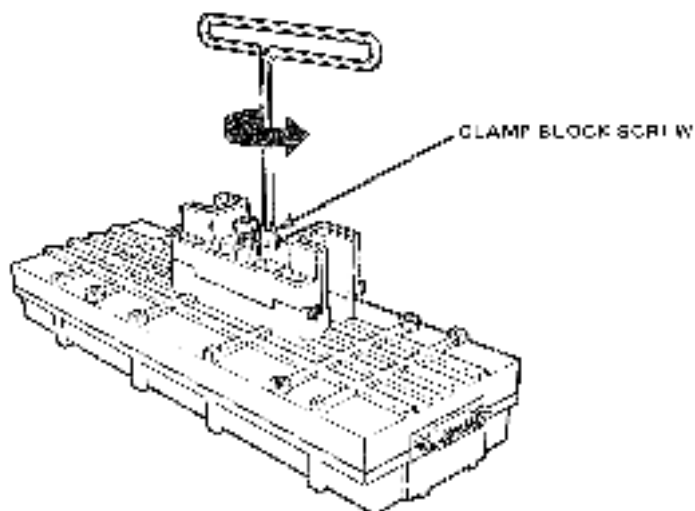
Tighten with chuck key.



Unpacking Transceiver

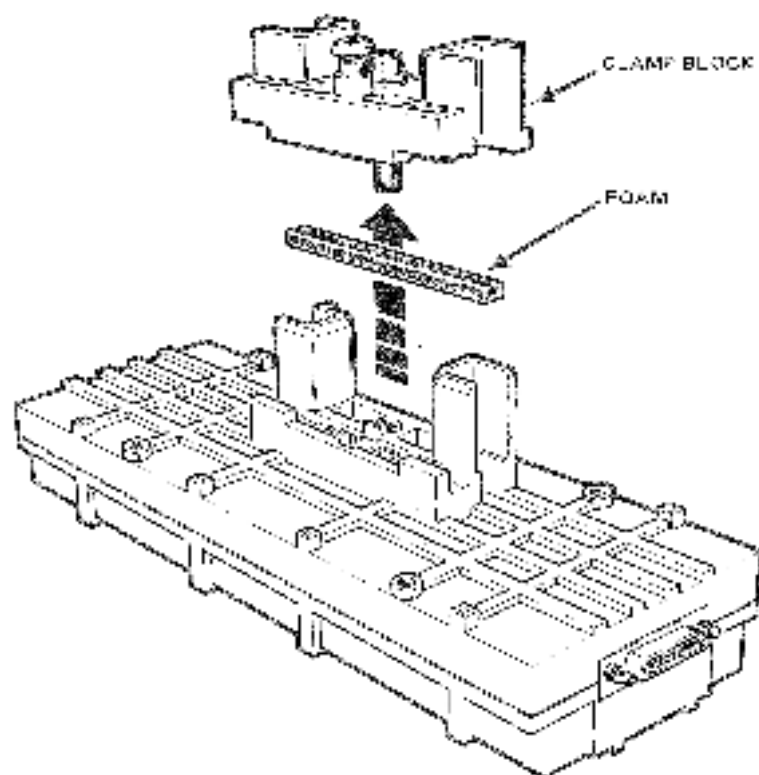


Loosen clamp block screw with hex wrench.



Unpacking Transceiver (continued)

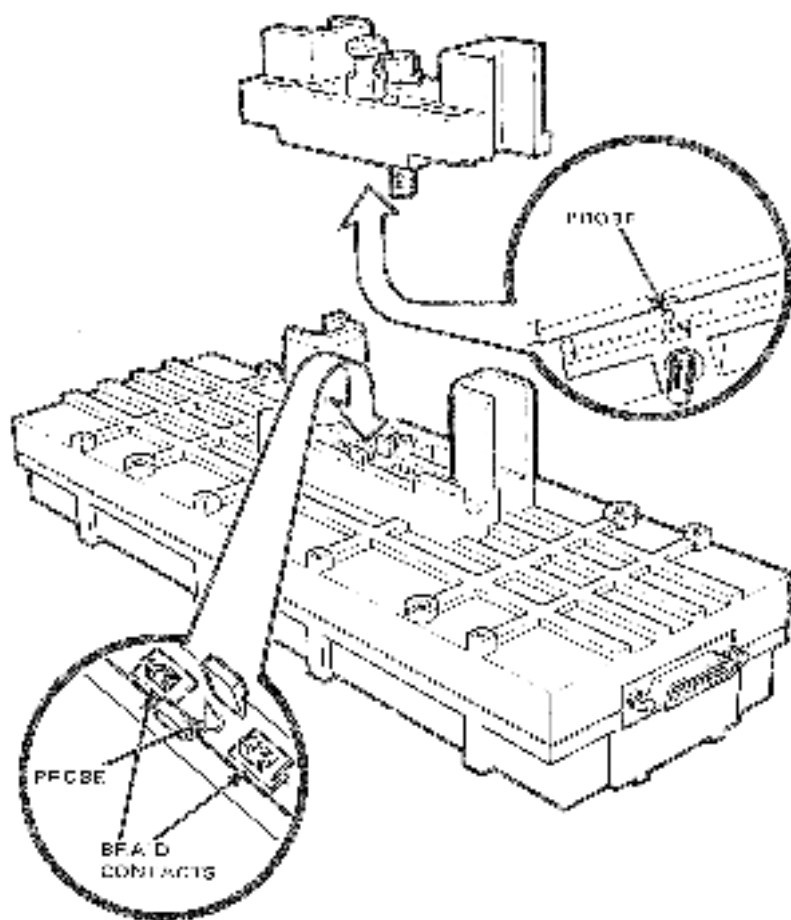
Remove clamp block and foam.



Inspecting Transceiver

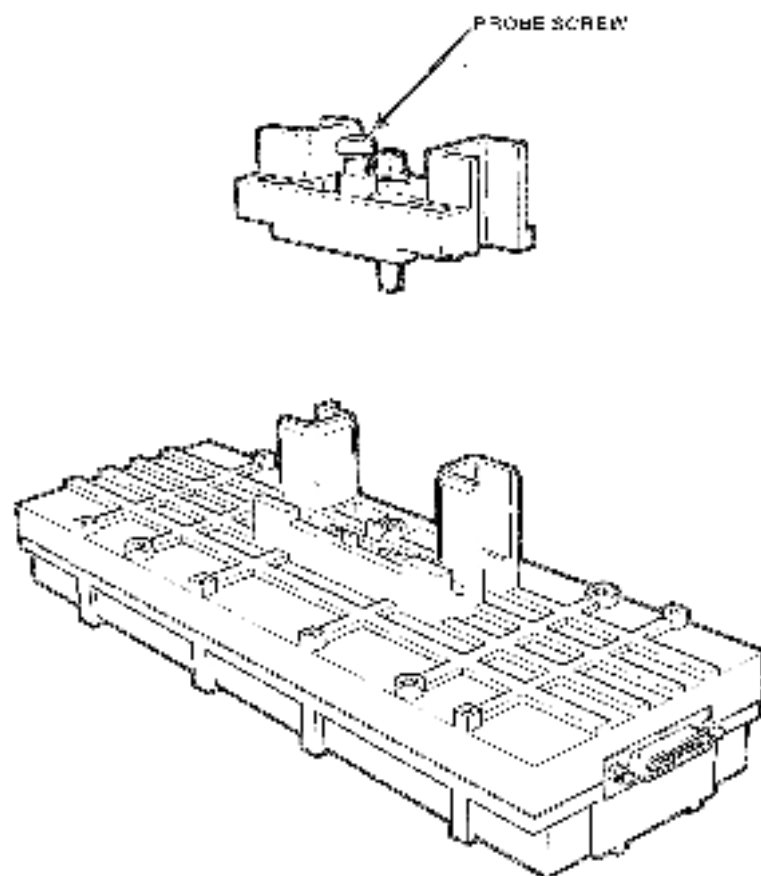
Replace transceiver if probes are broken or bent.

Replace braid contacts if broken or bent.



Inspecting Transceiver (continued)

CAUTION: Probe screw must not be screwed down.
Loosen probe screw, if necessary.

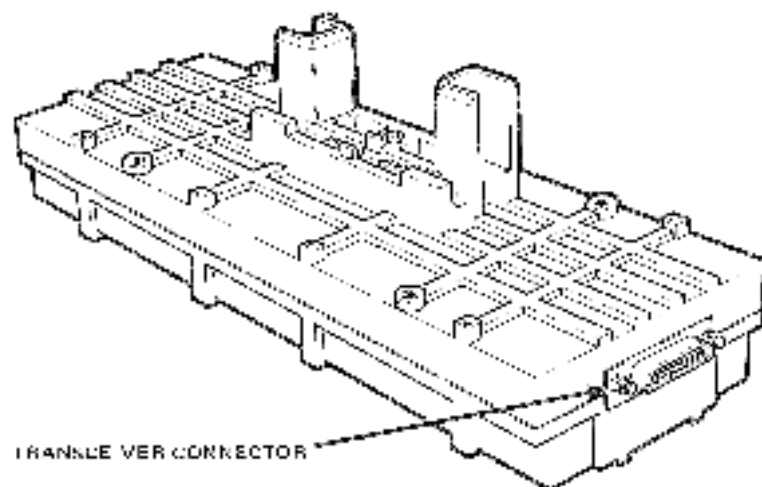


Choosing Transceiver Direction

Find black band (every 2.5 m) on coaxial cable.

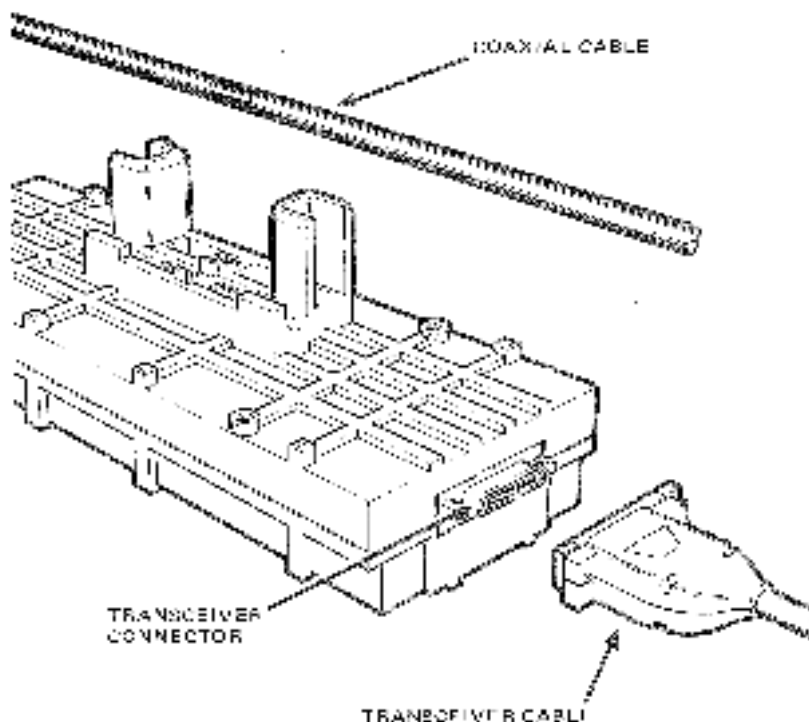


Find transceiver connector (may be located at either end of transceiver).



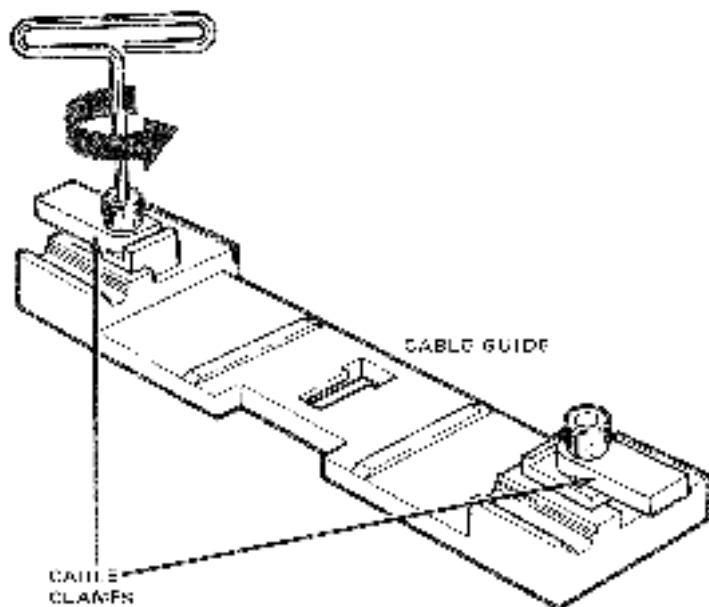
Positioning Transceiver

Place transceiver parallel to coaxial cable so that transceiver connector points towards transceiver cable.



Opening Cable Guide

Loosen cable clamps on cable guide with hex wrench.

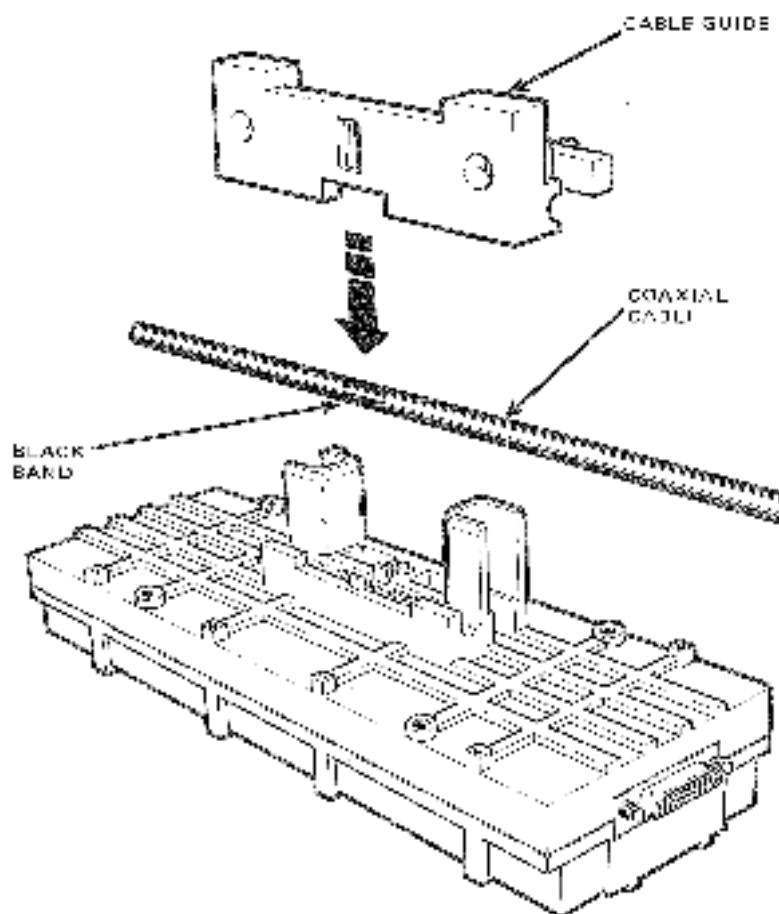


Installing Cable Guide

Place cable guide on coaxial cable as shown.

Center selected black band over notches in cable guide.

Note: Guide may be placed on cable from any angle.

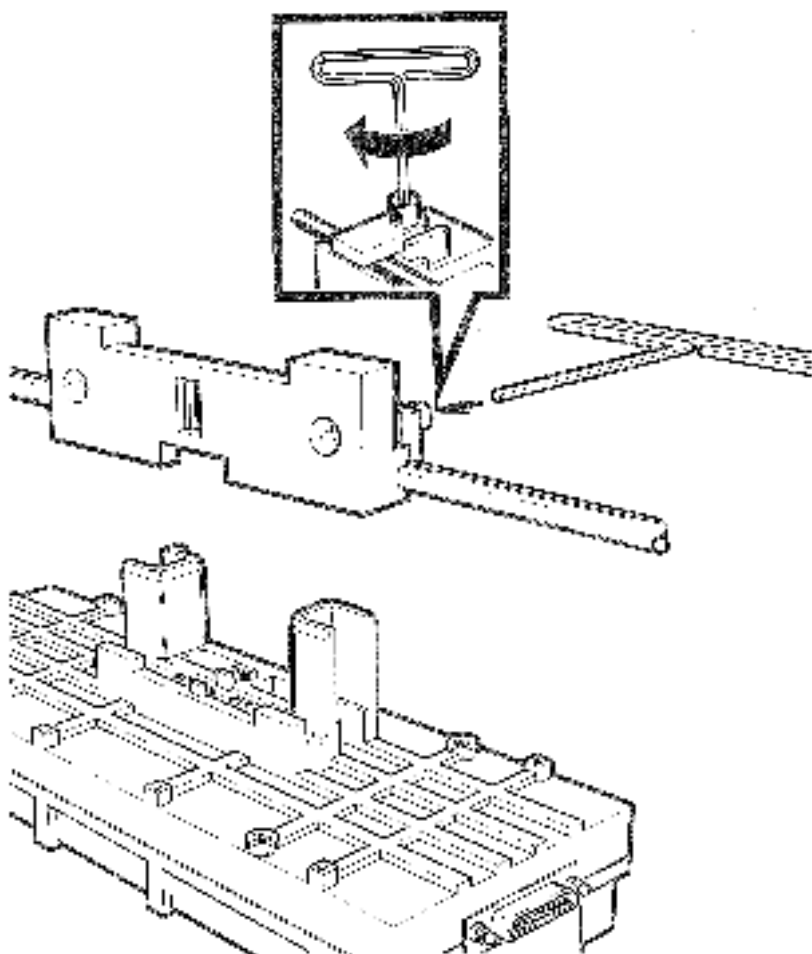


Tightening Cable Guide

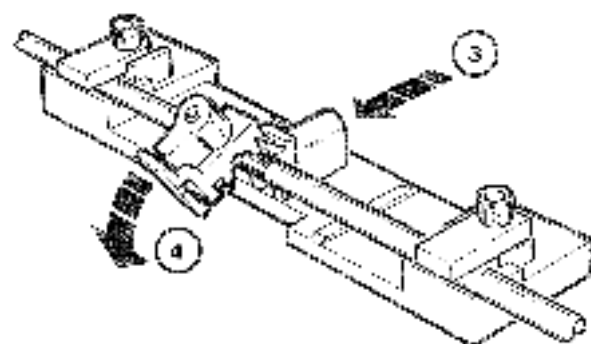
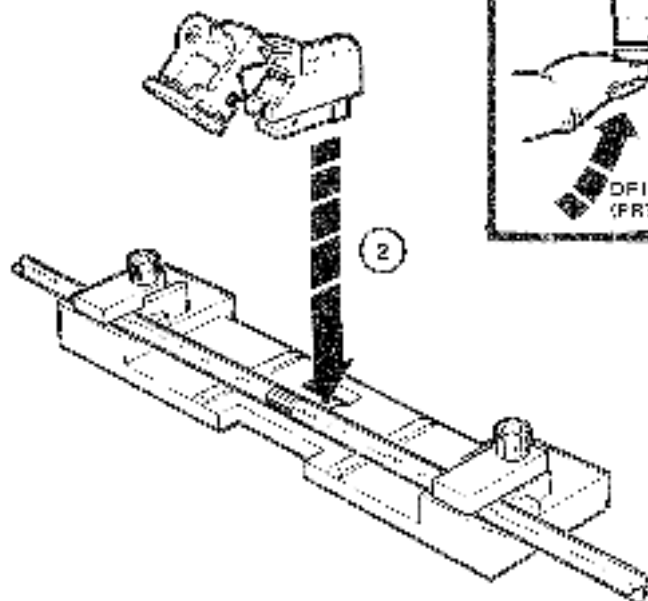
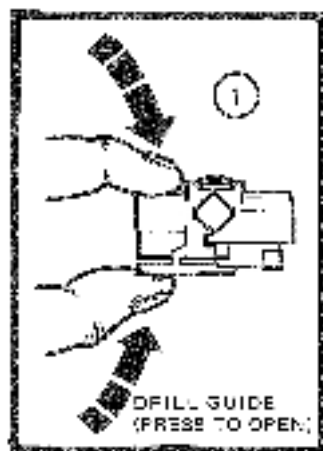
Close cable clamps over cable.

Securely tighten clamps with hex wrench.

CAUTION: To avoid damage to cable, do not overtighten.



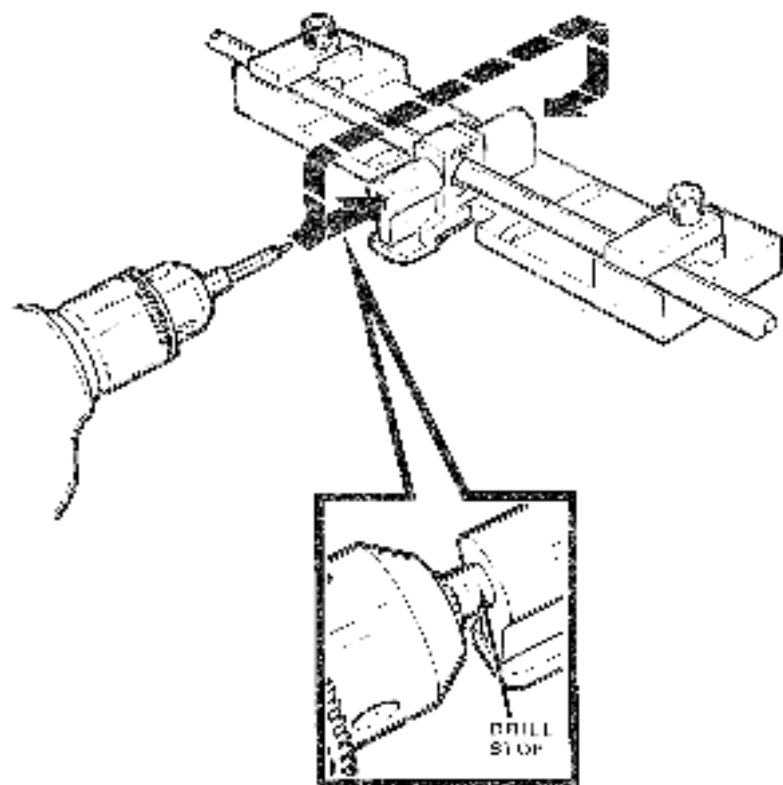
Installing Drill Guide



Drilling Cable

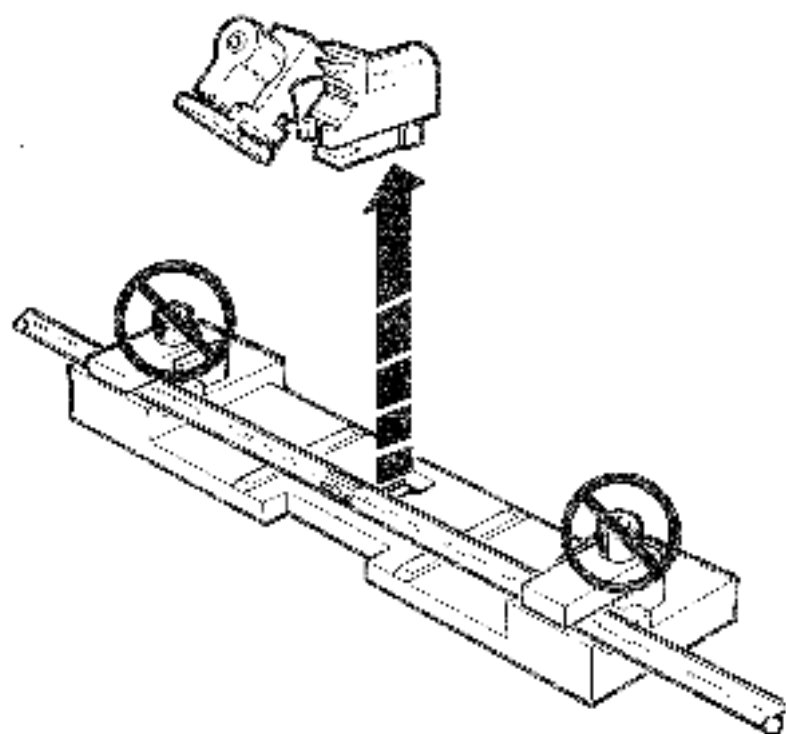
Drill from both sides of drill guide.

Drill all the way in until drill bit stops against drill guide.



Removing Drill Guide

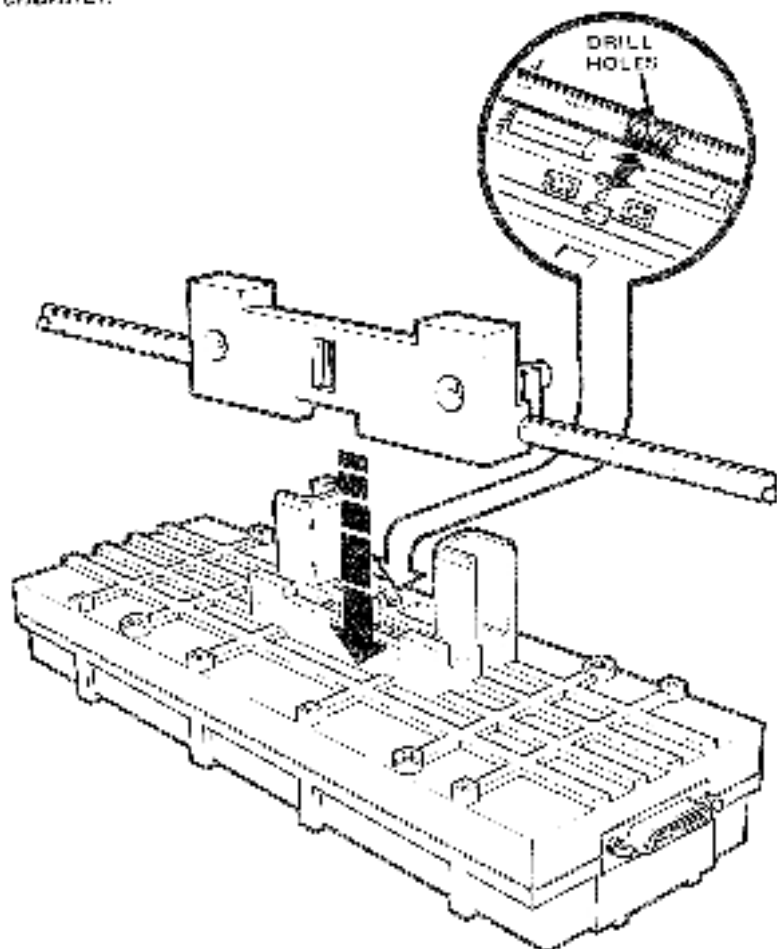
CAUTION: Do not loosen cable clamps.



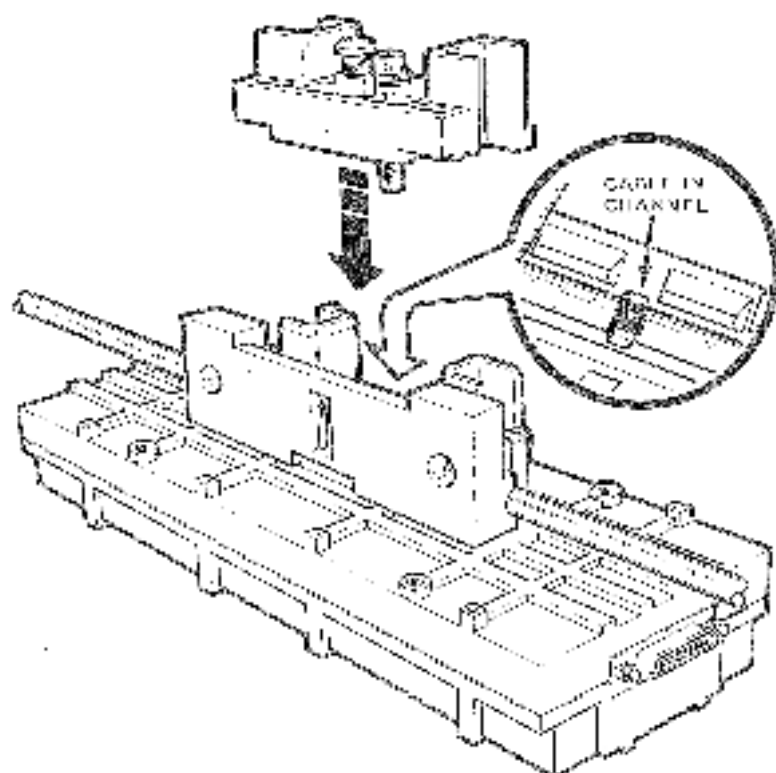
Installing Cable onto Transceiver

Push cable into coaxial cable channel.

Note: Drill holes must line up with probe in cable channel.

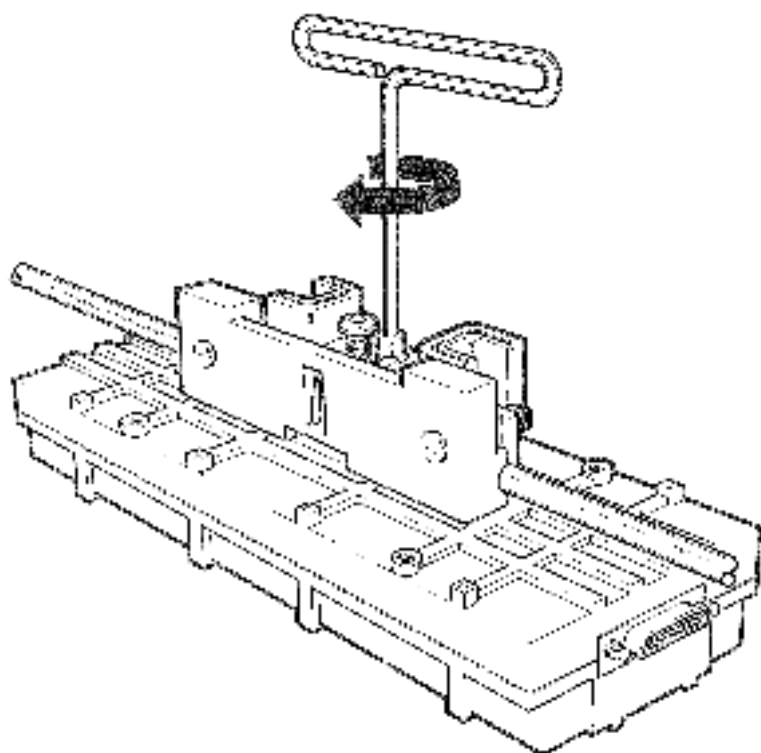


Installing Clamp Block



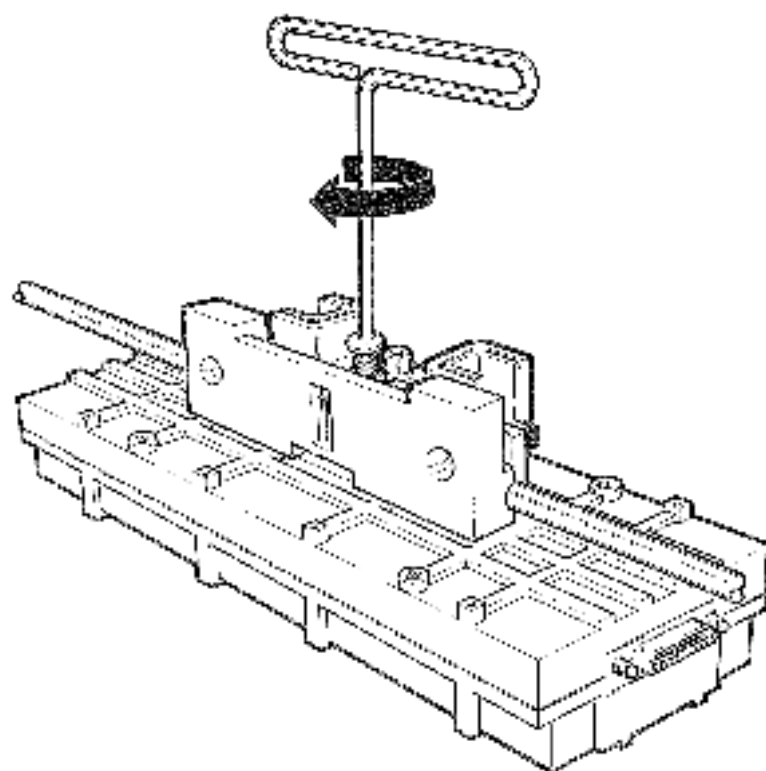
Tightening Clamp Block Screw

Tighten clamp block screw with hex wrench.



Tightening Probe Screw

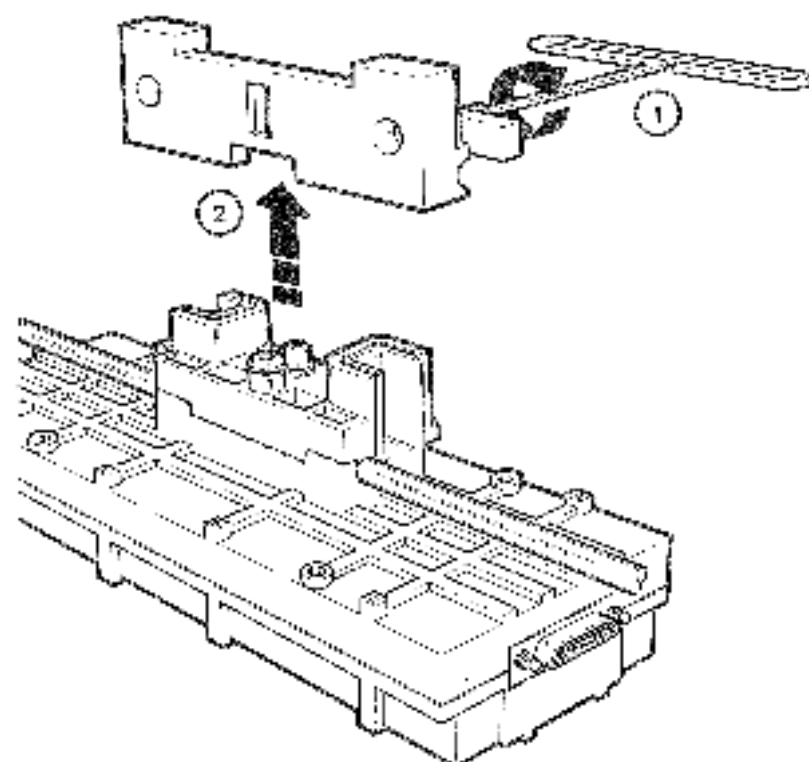
Tighten probe screw with hex wrench.



Removing Cable Guide

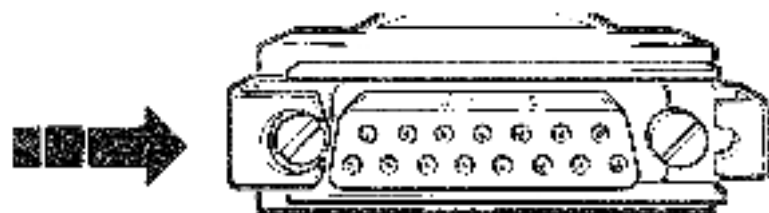
Loosen cable clamps with hex wrench. ①

Remove cable guide. ②



Opening Connector Latch

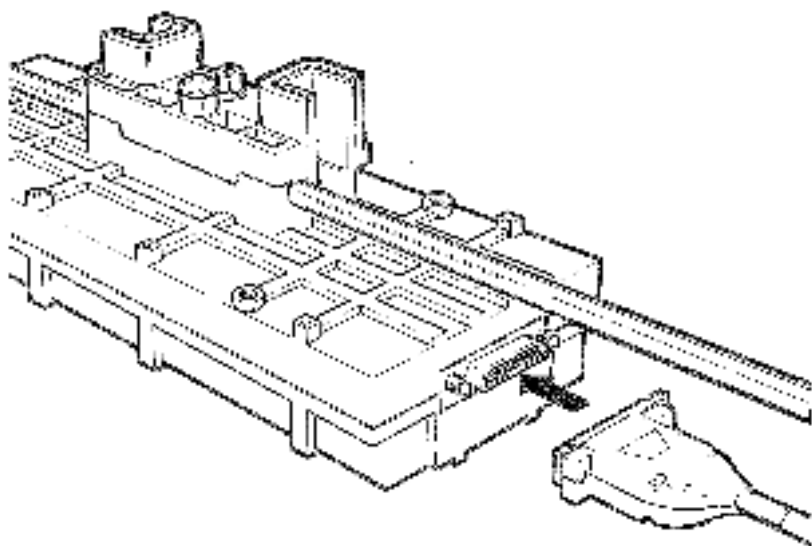
Slide cable connector latch to open position.



TRANSMITTER CABLE CONNECTOR
IN OPEN POSITION

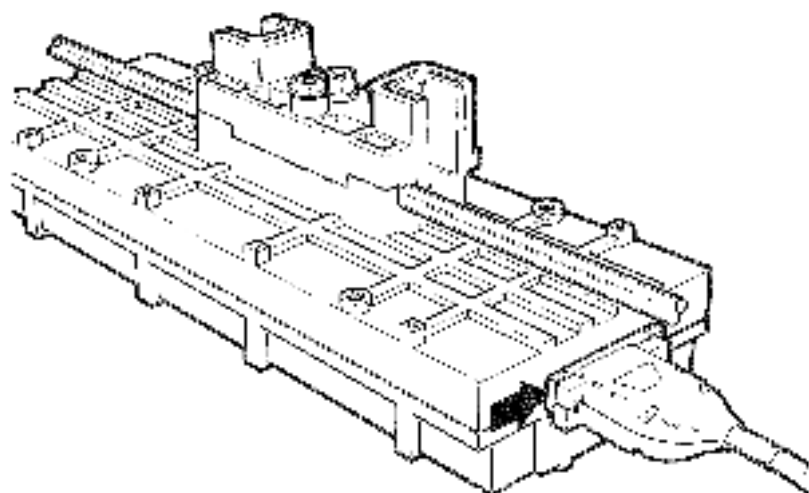
Attaching Transceiver Cable

Attach transceiver cable to transceiver cable connector



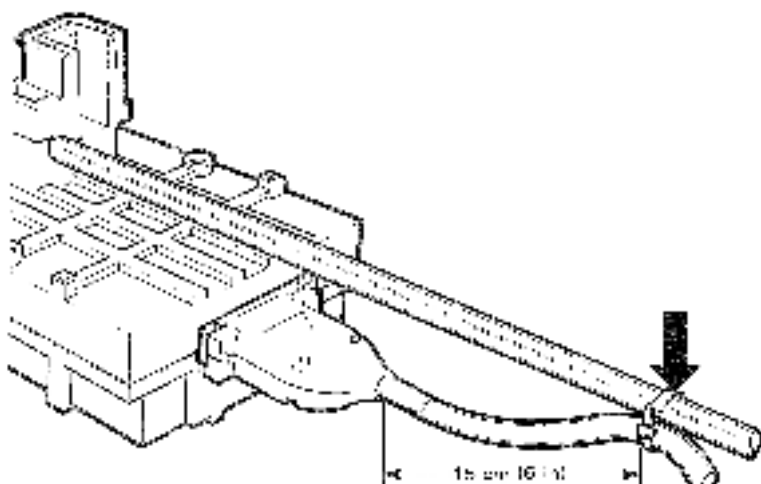
Closing Connector Latch

Slide cable connector latch to closed position, and check that connection is secure.



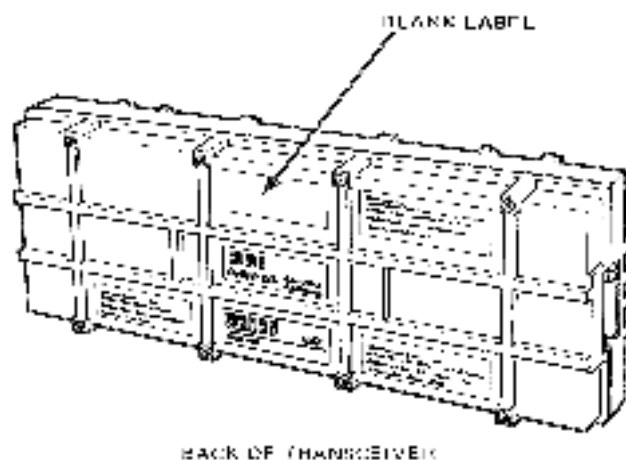
Connecting Cables

Connect transceiver cable to coaxial cable at 15 cm (6 in.) from transceiver cable connector.



Labeling Transceiver

Blank label is for your use to indicate additional information about transceiver.



Congratulations!

You have completed installation of the H4000
DIGITAL Ethernet Transceiver.

