TAG INC.
Telecom Assistance Group, Inc.
800-824-7005

Adtran Total Access 1500 Channel Unit Streaker/Test Board
STB-TA1500CU Practice

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2 ▶ APPLICATION

The STB-TA1500CU is utilized by installers to quickly and easily verify wiring from the backplane of the Adtran 1500 Channel Unit to the cross-connect Frame. Easy access via the test board eliminates slower methods of testing. The "streaker" test determines whether or not the Adtran 1500 card slots are properly connected through the interconnect wiring.

The STB-TA1500CU does not require a powered backplane.

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1 ▶ GENERAL

This practice describes the STB-TA1500CU Streaker / Test Board for use with Adtran's TA 1500 Channel Unit. The STB-TA1500CU is used during installations to quickly "streak" verify wiring continuity from the Adtran 1500 Channel Unit slots to the Frame. It has 8 LED's that correspond to the backplane wiring of the Channel Unit. The STB-TA1500CU has two (2) bantam jacks for metallic access to tip & ring pairs. It also has an LED test button, pin jacks for connection to the frame ground and a 9 volt battery to power the LED's.

For complete information - See Page 2 - Physical Description/Wiring.

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3 ▶ PROCEDURE

The test procedure typically requires two (2) people for ease of testing. Tester 1 will observe the LED's at the front of the STB-TA1500CU. Tester 2 will connect a test probe to the frame ground and begin by grounding the corresponding frame pins with the other end of the probe.

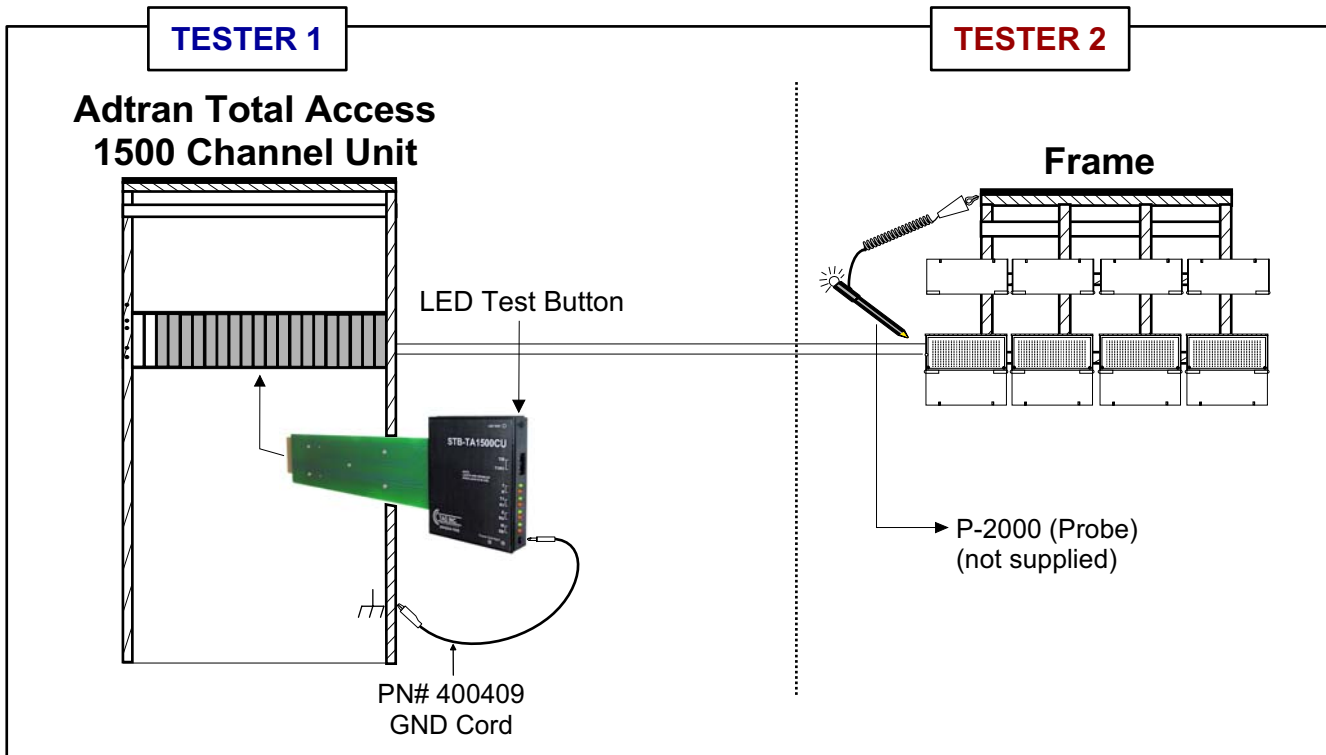*- See Page 3 - Step-by-Step Test Procedure.*

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The STB-TA1500CU provides both continuity testing and jack access for signal acceptance testing from the Adtran Total Access 1500 Channel Unit card slot to the cross-connect wiring points. It has 8 LED's that correspond to the backplane wiring of the Channel Unit. The STB-TA1500CU has two (2) bantam jacks for metallic access to tip & ring pairs. It also has an LED test button, pin jacks for connection to the frame ground and a 9 volt battery to power the LED's.

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TESTER 1 (Equipment)

1. Press the LED test button on the STB-TA1500CU. Verify that all LED's illuminate.
 (if LED's do not illuminate - make sure 9 volt battery is seated properly or replace
 with a new battery).

2. Select a card slot to begin testing.
    (CAUTION: Do not force. Verify proper alignment before inserting).

3. Insert the pin the plug test cord (# 400409) into STB-TA1500CU pin jack and
 connect the alligator clip to frame ground.

4. Establish verbal communication with Tester 2 at the frame.   You are ready to begin
 testing at the 1500 Channel Unit (observe LED's illuminating).

TESTER 2 (Frame)

1. Connect the test probe (P-2000) alligator clip to the frame ground.
 Use the probe end to ground the wiring points (T, R, etc.) at the frame.
 The LED on the probe will illuminate to indicate a connection to the STB-TA1500CU.
 The LED on the STB-TA1500CU will indicate which wire is being probed.
    They will correspond when correctly wired.

2. Continue the above step to test all points.