P/N 92230301 • Rev B • 4/2/2008

***Warranty:*** *If this unit fails during the warranty period, contact tii customer service to authorize return. Unit may be returned prepaid.*

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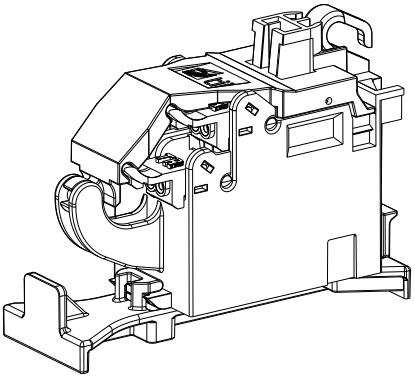

**Model 95S Series**
Customer Bridge Module
With Adapter Bracket

# Installation Note

## Description

1. A Customer Bridge Module (CBM) maintains a constant direct connection between customer and central office service provider. The CBM is equipped with a customer test jack (See Figure 1). Customer can insert the RJ-11 plug from a working telephone into this test jack to assure a signal is received from the central office. This is the only time the customer is disengaged from the central office.

## Features

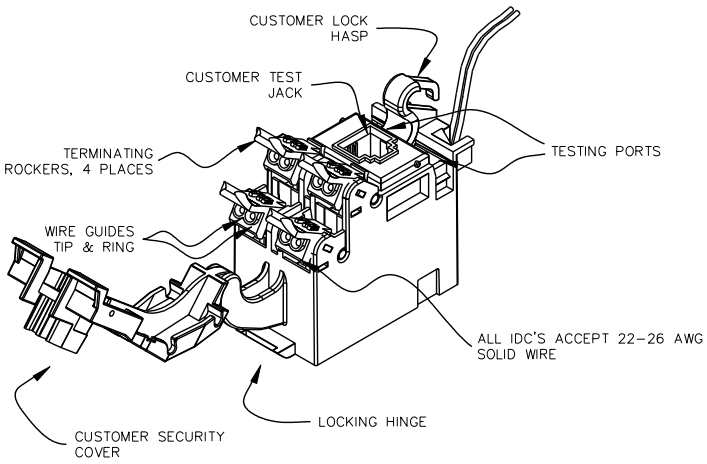


**Figure 1**

## Installation

### Installing Customer Bridge Module into TII NID

1. Hold CBM module with wires to the left.
2. Insert the CBM module locking hinge into Network Interface Device (NID) locking tab (See Figure 2).

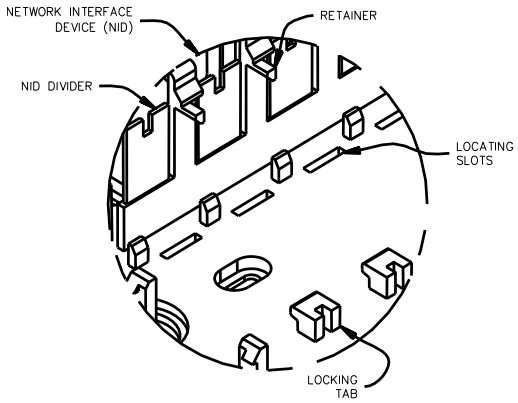


**Figure 2**

3. Pull back NID retainer (See Figure 2) and slip CBM front locating fingers (See Figure 3) into the NID locating slot.

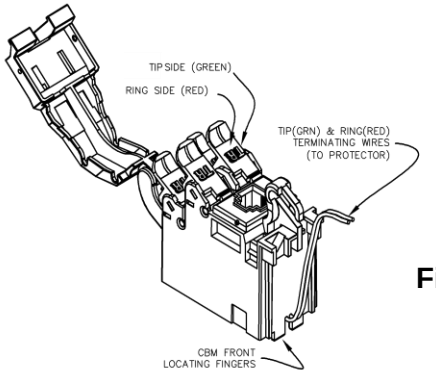


**Figure 3**

**Installing Customer Bridge Module into Alternate NID**

1. Snap the adapter onto the CBM module (See Figure 4).

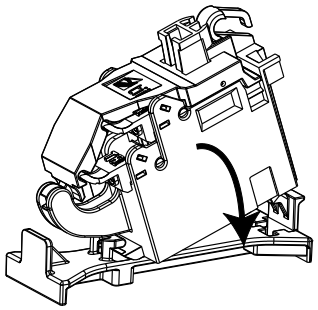

**Figure 4**

2. With the CBM and adapter turned so the wires are to the left, put the right side of the adapter under the NID retaining wall.
3. Using your thumb, pull the NID latch to the left. Press the CBM down and release the NID latch to secure the CBM into position, (See Figure 5).

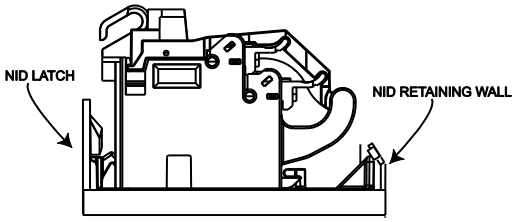


**Figure 5**

## Wiring

**CBM Wiring**

1. Four independent telephone pairs can be connected to a single CBM module. The customer has the option of putting a #10 Master lock in the customer lock hasp (See Figure 1).
2. When installing the first pair of customer telephone wires, always begin with the bottom terminating rockers (See Figure 1).
3. Do not strip wire insulation from wires to be terminated to CBM.

**CAUTION: TO REDUCE THE RISK OF PERSONAL INJURY, INSERT A RJ-11 PLUG INTO THE CUSTOMER TEST JACK PRIOR TO MAKING ANY WIRING CONNECTIONS.**

4. Dress terminating wires (to protector) over NID divider (See Figure 2).
5. Insert and terminate TIP (GRN) & RING (RED) wires into sealed IDC station protector (see protector installation note for further details).
6. Open customer security cover on CBM module.
7. Lift all CBM rockers to the open position as shown (See Figure 1).
8. Dress wires around customer security cover.
9. Hold the customer telephone wires between thumb and index finger (approx. 1/8" separation between wires).

**NOTE:** Wires should be aligned to the corresponding holes. Green wire to the "T" (GRN) labeled wire guide and the Red wire to the "R" (RED) labeled wire guide.

10. Insert wires into wire guides at the same time until they bottom out.
11. While holding wires in wire guides, terminate rocker with thumb (lower rocker all the way).
12. Terminate additional pairs to rockers as required.
13. Assure all rockers are in the down position and close customer security cover.

## Central Office Signal Testing

1. Open customer security cover.
2. Insert RJ-11 plug into customer test jack to isolate telco and customer wiring.
3. Using an ohmmeter, insert test clips into test ports as shown (See Figure 6).
4. If continuity is measured a "short" may exist in the customer premise.
5. Wires are ok if meter shows a reading.

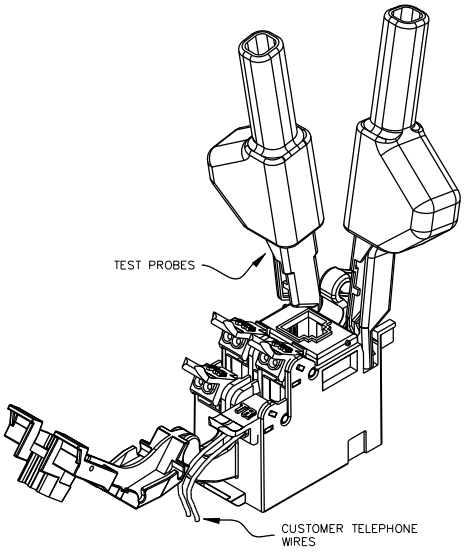


**Figure 6**

## Customer Telephone Wire Integrity Testing

1. Open customer security cover.
2. Using a working telephone, insert the telephone RJ-11 plug into the customer test jack (See Figure 7).
3. Wait a few seconds, lift receiver, and listen for tone.
4. If dial tone is not present, then contact central office service provider.
5. If dial tone is present, then a problem exists in the customer telephone wires.

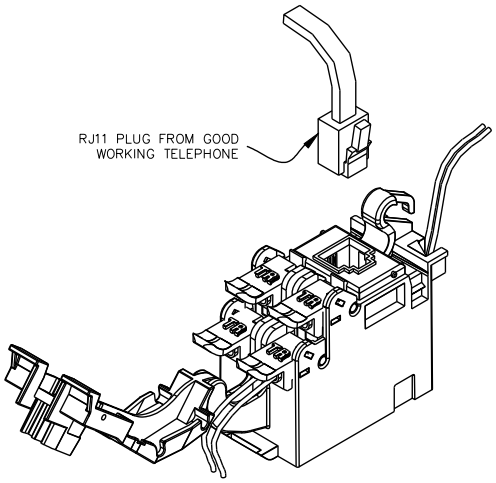


**Figure 7**