

**DSX-1 Bridging Regenerator Cord  
Rollover Procedure  
Bantam-Type To Bantam-Type**

**General**

This instruction sheet describes how to use the Bridging Regenerator Cord in rolling an active DSX-1 cross-connect circuit. The cords described in this instruction sheet are designed for use with Bantamtype to Bantam-type panels for both input and output.

**How to Contact Us**

- To find out more about **Carrier Apparatus** products, visit us on the web at: <http://cw.commscope.com/>
- For technical assistance regarding Carrier Apparatus products: contact your local CommScope account representative or CommScope technical support at 1-800-344-0223.
- Report any missing or damaged parts to CommScope customer service in Omaha, Nebraska, at 1-866-539-2795.

**References**

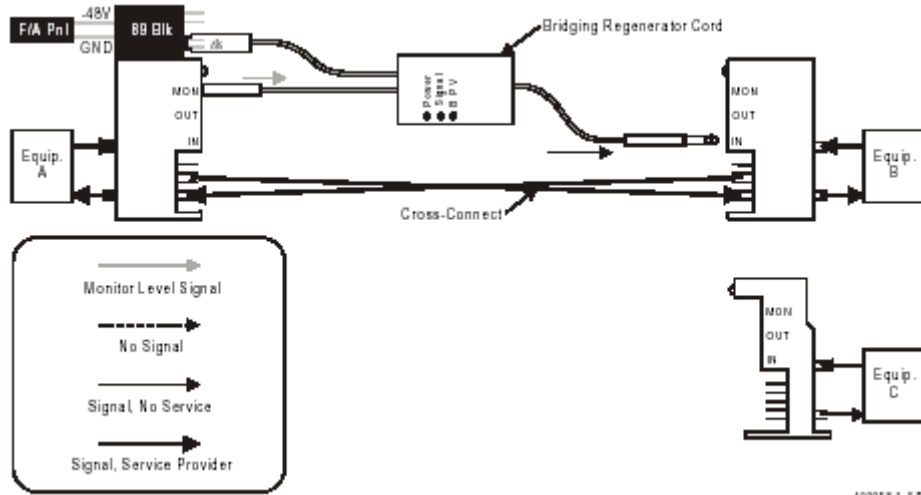
- 365-301-120, 800-Series and 900-Series DSX-1/1C Systems System Reference Manual
- 365-301-125, Bantam Plus DSX-1/1C System Reference Guide

**Ordering Information**

Apparatus	Material ID	Description
DS1RGNA1BNP/4/BNP/30	106 982 424	30-foot (9.1 m) bantam-type input and bantam-type output

**STEP 1**

1. Prepare (daisy-chain) 200-pair 89-type block(s) (Material ID 104 164 835) to distribute -48 V and ground (Figure 1). The 89-type blocks provide power to the Bridging Regenerator Cords.
2. Temporarily mount 89-type block(s) in bay(s) where patching is required; use one block for every two bays.
3. Connect block to -48 V and ground from the fuse and alarm panel in accordance with local procedures. Minimum fuse requirement is 5 amps.
4. Insert labeled power plug onto wire-wrap pins of 89-type block. Check Power Light Emitting Diode (LED) on Bridging Regenerator Cord for lighted green (on) indication. If the LED does not light, rotate power plug 180 degrees and check again.
5. Insert Bridging Regenerator Cord input plug into equipment A MON jack. Check Power, Signal, and Bipolar Violation (BPV) LEDs for operation. Green LEDs should be lighted and yellow LED should be off. **Do not proceed unless both green LEDs are lighted.**



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Figure 1.

## STEP 2

Insert Bridging Regenerator Cord output plug into equipment B IN jack and at the same time, insert a 100-ohm terminating plug (DSX1TP1-100BNA; Material ID 106 578 651) into equipment A OUT jack (Figure 2). This completes the circuit between equipment A MON jack and equipment B IN jack. It also disconnects one side of the cross-connect (equipment A OUT to equipment B IN) and provides a matching impedance of 100 ohms to equipment A

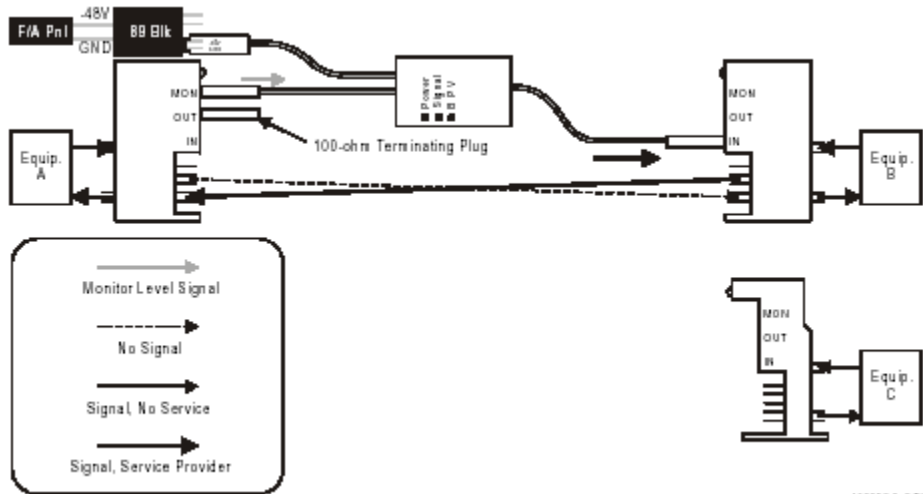


Figure 2.

**STEP 3**

Connect equipment B OUT jack to equipment A IN jack using a single patch cord (bantam to bantam; Figure 3). Both sides of the cross-connect between equipment A and equipment B are now disconnected and can be moved or rerouted to equipment C. The bantam-type to bantam-type patch cords are listed in Table A.

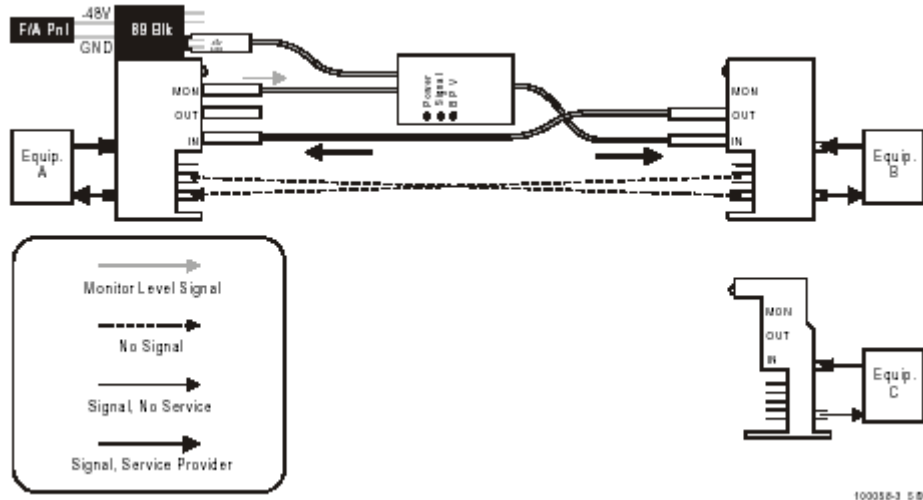


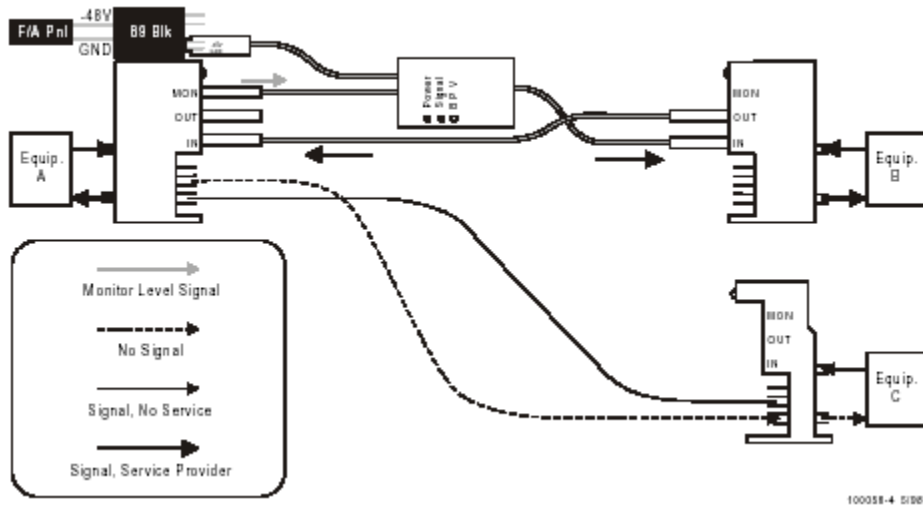
Figure 3.

Table A—Bantam-Type to Bantam-Type Patch Cords

Apparatus Code	Material ID	Length
DSX1D1A-01-BNP	106 578 321	1 foot (0.3 m)
DSX1D1A-03-BNP	106 578 503	3 feet (0.9 m)
DSX1D1A-06-BNP	106 578 511	6 feet (3.7 m)
DSX1D1A-012-BNP	106 578 529	12 feet (3.7 m)
DSX1D1A-25-BNP	106 578 537	25 feet (7.6 m)
DSX1D1A-50-BNP	106 578 545	50 feet (15.2 m)

**STEP 4**

Remove existing cross-connect and run a new cross-connect from equipment A to equipment C (Figure 4).



**Figure 4.**

**STEP 5**

Remove 100-ohm terminating plug from equipment A OUT jack (Figure 5). Equipment A is now transmitting duplicate signals to equipment B (via Bridging Regenerator Cord) and to equipment C (via cross-connect). Input signal is transmitted to equipment A from equipment B via the single cord (bantam to bantam).

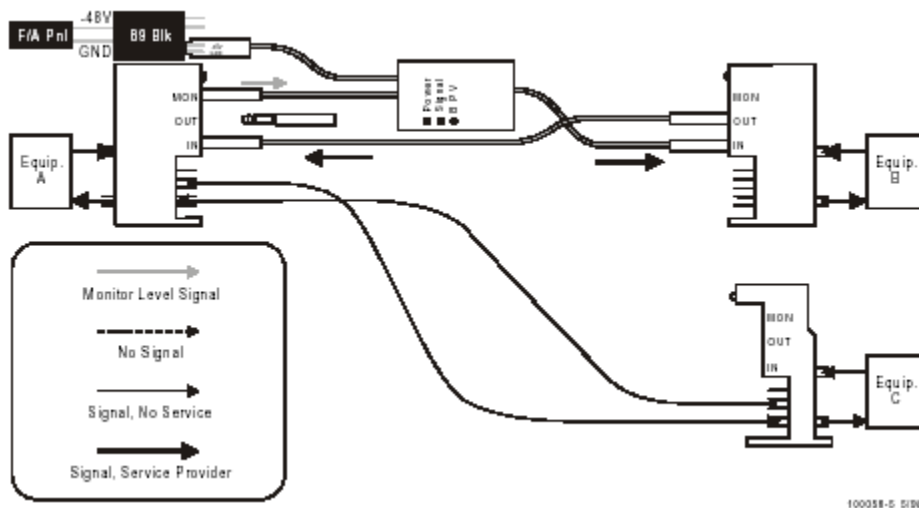


Figure 5.

### STEP 6

Remove the single cord (bantam to bantam) from equipment A IN jack (Figure 6). Equipment A is now working with equipment C through the cross-connect.

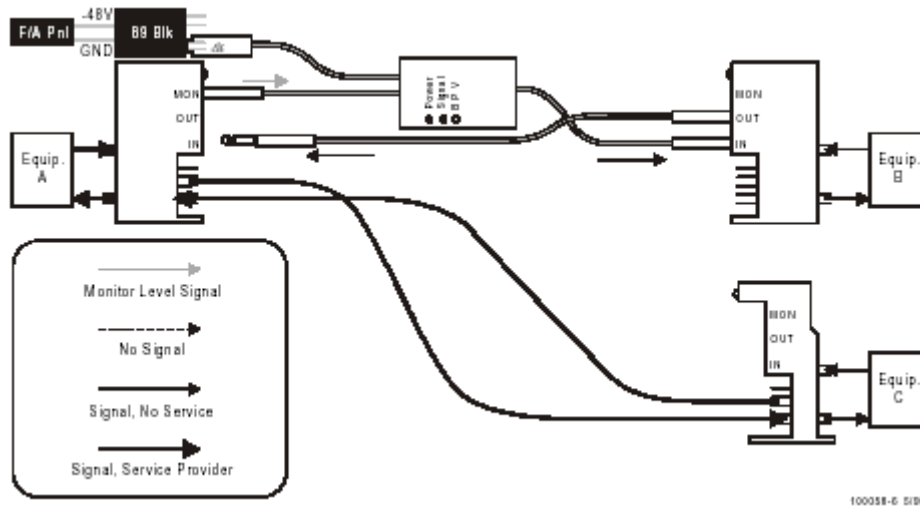
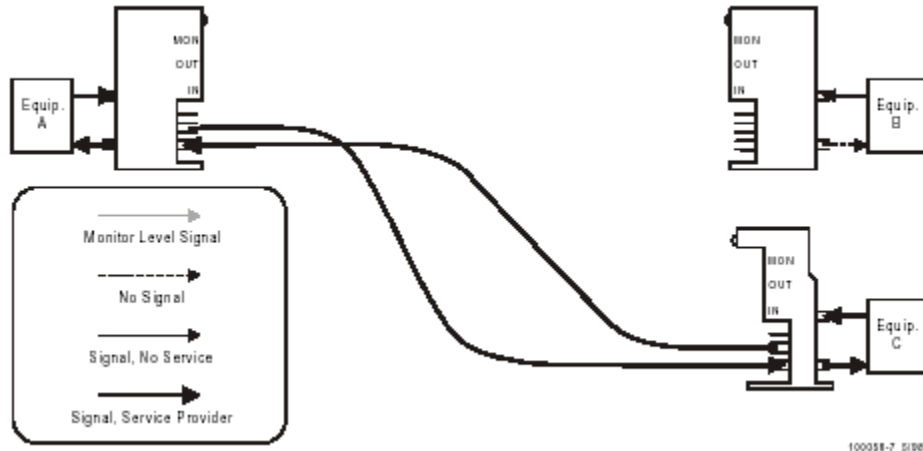


Figure 6.

**STEP 7**

Remove remaining plugs and cords (in any order) to complete the rollover (Figure 7).



**Figure 7.**