

**DSX-1 BRIDGING REGENERATOR CORD
ROLLOVER PROCEDURE
800-SERIES DSX 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 800-Series DSX Bantam-type panels for both input and output (respectively).

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
DS1RGNA1800/4/BNP/30	106 982 432	30-foot (9.1 m) regenerator cord with 800-type input and Bantam-type output
DS1RGNA1800/4/BNP/60	107 050 353	60-foot (18.2 m) regenerator cord with 800-type input and Bantam-type output

STEP 1

Insert Bridging Regenerator Cord input plug into equipment A MON jack (Figure 1). Check Power, Signal, and Bipolar Violation (BPV) Light Emitting Diodes (LEDs) for operation. **Green LEDs should be lighted and yellow LED should be off. Do not proceed unless both green LEDs are lighted.**

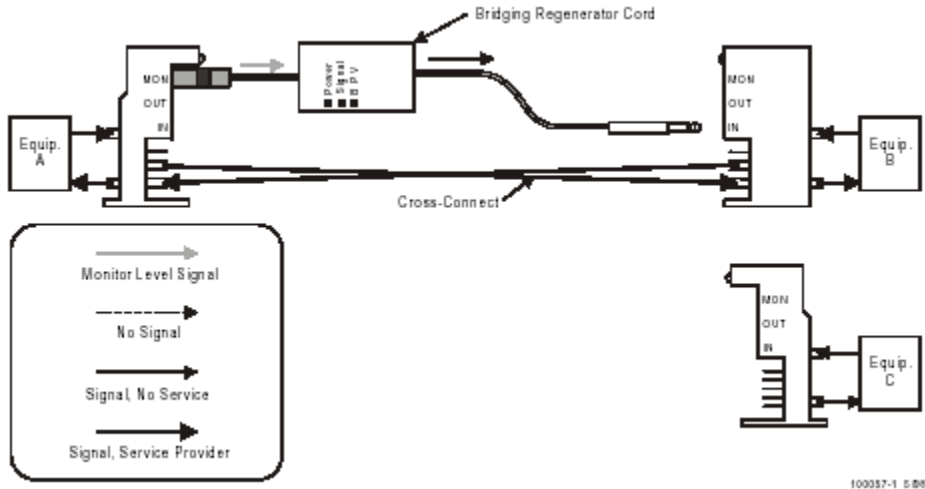


Figure 1.

STEP 2

Insert Bridging Regenerator Cord output plug into equipment B IN jack and at the same time, insert a 100-ohm terminating plug (800B/O, Material ID 104 198 411) 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.

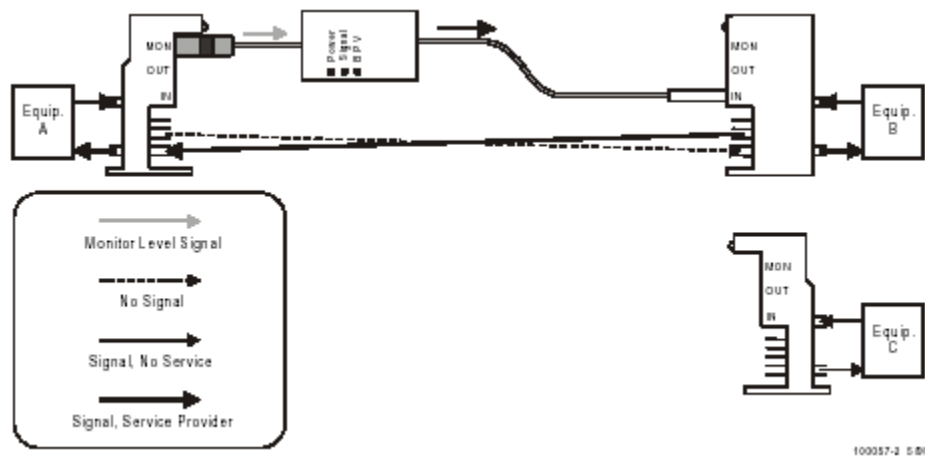


Figure 2.

STEP 3

Connect equipment B OUT jack to equipment A IN jack using a single hybrid adapter cord (800 to bantam; see Table A). Both sides of the cross-connect between equipment A and equipment B are now disconnected and can be moved or rerouted to equipment C (Figure 3).

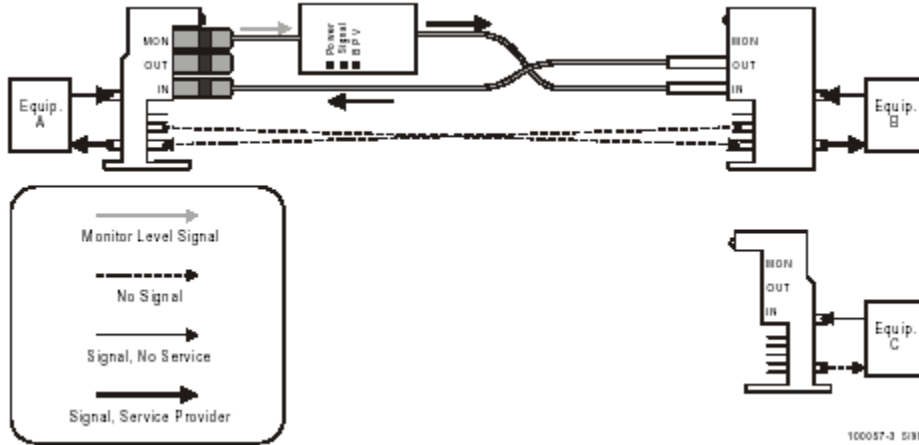


Figure 3.

Table A—800-Type Male to Bantam-Type Male — Hybrid Adapter Cords

Apparatus Code	Material ID	Length
800H/2	104 377 510	2 feet (0.6 m)
800H/6	104 366 935	6 feet (1.8 m)
800H/12	104 366 927	12 feet (3.7 m)
800H/25	104 409 834	25 feet (7.6 m)

STEP 4

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

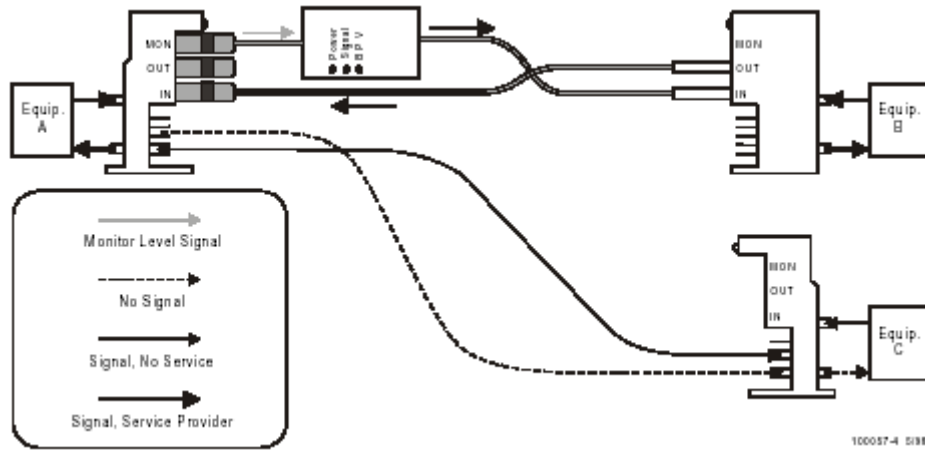


Figure 4.

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 hybrid cord (800 to bantam).

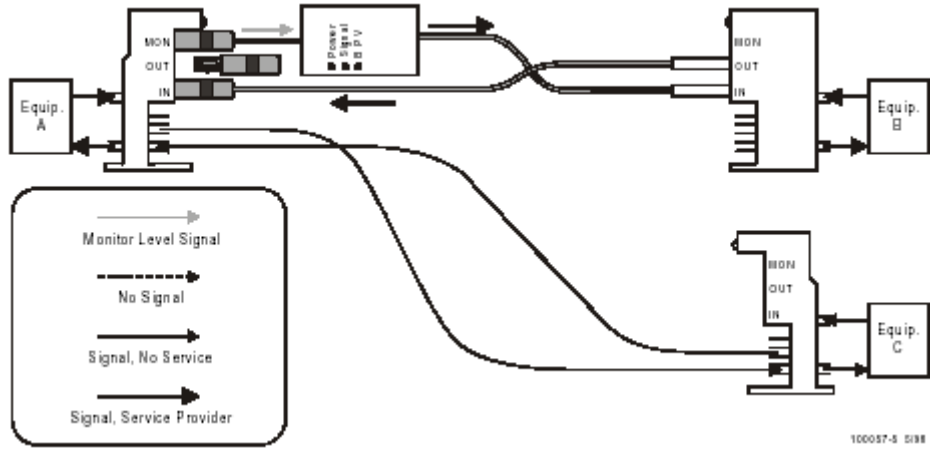


Figure 5.

STEP 6

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

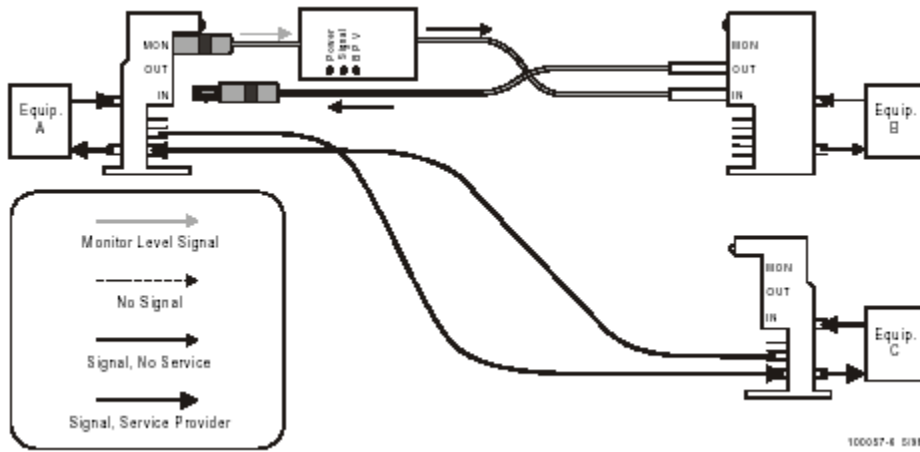


Figure 6.

STEP 7

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

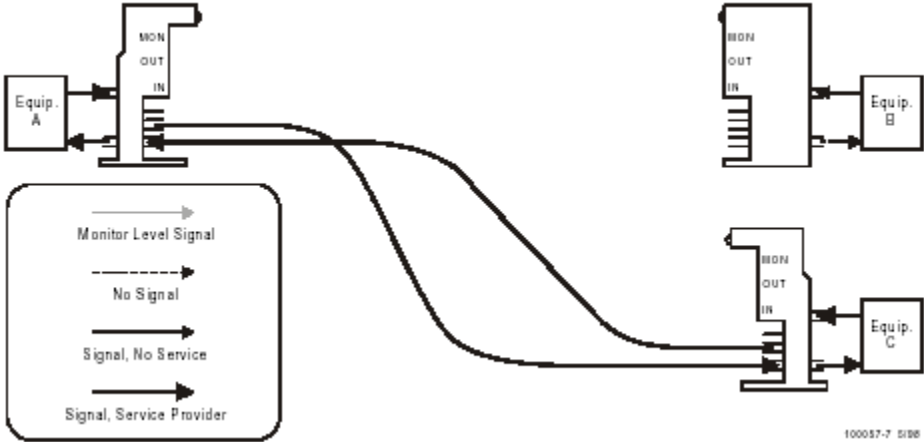


Figure 7.