

Replacement Procedures For Bantam Plus DSX-1/1C System Modular Rear Cabled/Rear Cross-Connected Staggered-Jack Circuit

General

This instruction sheet provides procedures for installing and replacing individual jack circuits of the Bantam Plus DSX-1/1C Modular, Rear Cabled/Rear Cross-Connected Staggered-Jack panels. Instruction sheet 365-301-125-17 provides procedures for installing and cabling the different panels and their hardware, such as panel brackets, adapter brackets, vertical troughs, and designation labels.

Equipment Description

The Bantam Plus DSX-1/1C Modular, Staggered-Jack panels are intended for termination, cross-connecting, monitoring, and rerouting/patching of DS-1 (1.544 Mb/s) and/or DS-1C (3.152 Mb/s) digital signals.

There are two panel sizes available:

- 23-Inch (584 mm) panel—mounts in a 23-inch (584 mm) Unequal Flange Frame and accommodates a maximum of 84 individual jack circuits.
- Universal panel—mounts in either a 19-inch (482 mm) Relay Rack or 23-inch (584 mm) Unequal Flange Frame and accommodates a maximum of 56 individual jack circuits.

Panel configurations equipped with 84-, 64-, and 56-jack circuits are available. See the "Ordering Information" table for a complete list of available panels. In addition to these "equipped" panels, there are 23-inch (584 mm) and 19-inch (482 mm) empty (blank) panels. These "build-your-own" panels may be equipped with separately ordered jack circuits to customize panels for specific applications.

Each jack circuit is comprised of a Light Emitting Diode (LED), *IN*, *OUT*, and *MON* (Monitor) jacks. The two types of jack circuits, *Circuit 1-ODD* (white) and *Circuit 2-EVEN* (gray), are identical except for their color and staggered positions of their respective jacks, hence, the names "Staggered-Jack". The jack circuits are color coded to facilitate ordering, replacement, and operational procedures.

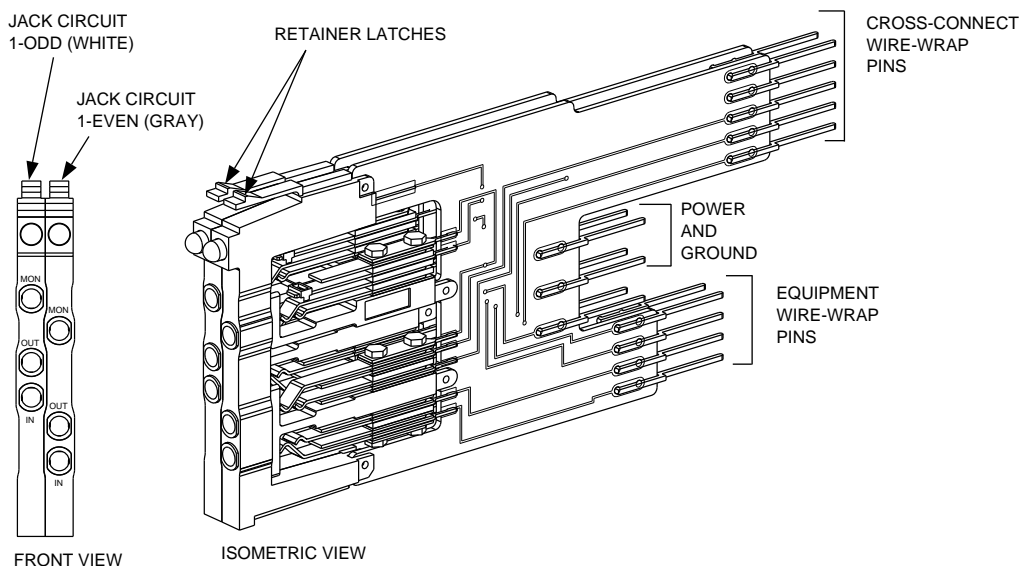


Figure 1. Bantam Plus Staggered-Jack Circuit 1-Odd (White) and Circuit 2-Even (Gray)

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

- 365-301-125 — Bantam Plus *DSX-1/1C System Reference Guide, Planning, Engineering, Installation Operation, and Maintenance*
- 365-301-125-17 — Bantam Plus *DSX-1/1C System Modular Staggered-Jack, Rear Cabled, Rear Cross-Connected Panels, Installation and Cabling*
- ED-6C156-10 — *DSX-1/1C Typical Equipment Layout*
- ED-6C157-10 — *Digital Cross-Connect and Interconnect Framework Hardware Engineering and Ordering*
- ED-6C157-30 — *Digital Cross-Connect and Interconnect Framework Hardware Groups*
- ED-6C157-31 — *Digital Cross-Connect and Interconnect Framework Hardware Groups*
- T-97814-30 — Bantam Plus—*Interconnection Circuit*

Tools Required

- Cable stripper
- Spudger
- Wire stripper
- Cable ties and/or lacing cord
- Flat-blade 0.25-inch (6 mm) wide screwdriver, 6 inches (152 mm) long
- Wire-wrap gun

Ordering Information

Apparatus Code	Material ID	Description
DSX1-R1-84-R/4SB23	107 486 060	23-inch (584 mm) wide, 84-circuit panel fully equipped with 84, 100-ohm jack circuits, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-64-R/4SB23	107 486 086	23-inch (584 mm) wide, 84-circuit panel equipped with 64, 100-ohm jack circuits, five modular filler panels, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-56-R/4SB23	107 486 094	23-inch (584 mm) wide, 84-circuit panel equipped with 56, 100-ohm jack circuits, seven modular filler panels, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-84-R/4SB23/EMP	107 486 078	23-inch (584 mm) wide, 84-circuit, empty panel with 21 modular filler panels, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-56-R/4SBU/EMP	107 486 102	19-inch (482 mm) wide, 56-circuit panel fully equipped with 56, 100-ohm jack circuits, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-56-R/4SBU/EMP	107 486 110	19-inch (482 mm) wide, 56-circuit empty panel with 14 modular filler panels, two standard circuit label holders*, and right-hand/left-hand standard vertical troughs.
DSX1-R1-R/SBC1	107 485 716	Circuit 1-ODD (WHITE), 100-ohm jack circuit.
DSX1-R1-R/SBC2	107 485 732	Circuit 2-EVEN (GRAY, 100-ohm jack circuit.
DSX1-R1-R/MFP4	107 486 383	Four circuit, modular filler panel.
ED-6C157-30, Group 84	601 794 456	8-inch (203 mm) deep vertical trough for full bay applications of 23-inch (584 mm), 84-circuit panels in line-ups with 5-inch (127 mm) spacing between adjacent bays.
ED-6C157-30, Group 85	601 798 150	One panel set of large circuit labels and label holders for use in line-ups with 5-inch (127 mm) bay spacers between adjacent bays.
ED-6C157-30, Group 92	601 868 540	Multipage flip-up style circuit designation label set and label holders (2) for use with both 84- and 56-circuit modular staggered jack Bantam Rear/Rear panels.
ED-6C157-30, Group 87	601 838 394	One panel set of small circuit labels and label holders for use in lineups with no spacing between adjacent bays.
DSX1D1-84SB	107 786 295	Package containing five each of the following items for the rear jumper trough on a staggered jack Bantam R/R panel: label designation strips, labels (paper slide-in), and covers.
DSX1E1-56SB	107 786 303	Package containing five each of the following items for the rear jumper trough on a staggered jack Bantam R/R panel: label designation strips, labels (paper slide-in), and covers.
*Standard circuit label holders and label sets are designed to be compatible with minimum bay spacing in line-ups.		

REPLACING INDIVIDUAL JACK CIRCUITS

Removing Jack Circuits

1. Remove designation faceplate from front of panel by loosening captive screws on both sides.

Note:

Jack circuits can not be removed from panel without first removing designation faceplate.

2. Disconnect wiring from wire-wrap pins on rear of affected jack circuit.
3. Insert a spare duplex patch plug or two terminating plugs into I/O jack(s) of jack circuit to be removed. The plug(s) will be used as a "handle" to facilitate removal of jack circuit from panel.
4. Release retaining latch with fingernail and withdraw circuit using patch plug or terminating plug.

Note:

When using a duplex patch plug, it may be helpful to twist plug slightly during withdrawal of a jack circuit to avoid pulling plug out of the IN/OUT jacks.

Installing Jack Circuits

Note:

Individual circuit types (Circuit 1-ODD [white] and Circuit 2-EVEN [gray]) must be alternated when installing them into a panel housing. Do not attempt to replace a white jack circuit with a gray jack circuit, or vice versa. Circuit numbering is indicated on designation faceplate.

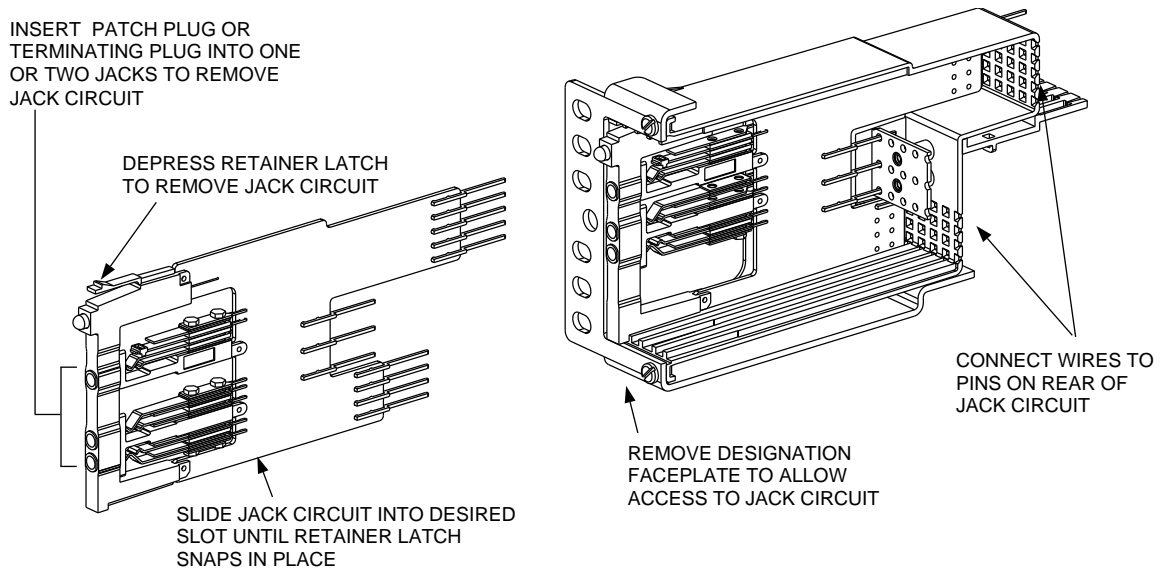


Figure 2. Replacing Individual Jack Circuits