Installing a Power Cable Track Guide in a GainMaker HGBT RF Redundant Node Technical Bulletin

Overview

Introduction

The 1 GHz GainMaker® Broadband High Gain Balanced Triple (HGBT) RF Redundant Node has a plastic cable track that helps to protect the power and RF cables while routing them from the node housing lid to the RF Launch Amplifier located in the node housing base.

It is possible for this cable track to bend in such a way, as the node housing lid is being closed, that the cable track may damage or even dislodge a capacitor located on the Optical Interface PWB (OIB). This capacitor is responsible for a 10-second time delay in switching from an RF backup signal path to an optical signal path following restoration of a fiber loss. If the capacitor is damaged or dislodged, any subsequent switchover from an RF backup signal path to a restored optical path occurs immediately, rather than after a 10-second delay.

Purpose

The purpose of this document is to provide instructions for installing a Power Cable Track Guide, part number 4020093, on the OIB. The proper installation of the Power Cable Track Guide should prevent possible physical contact between the cable track and capacitor.

Audience

This document is intended for any customer who has purchased the GainMaker HGBT RF Redundant Node.

Qualified Personnel

Only appropriately qualified and skilled service personnel should attempt to install, operate, maintain, and service this product.

WARNING:

Allow only qualified and skilled personnel to install, operate, maintain, and service this product. Otherwise, personal injury or equipment damage may occur.

Related Publications

You may find the following publications useful as you implement the procedures in this document.

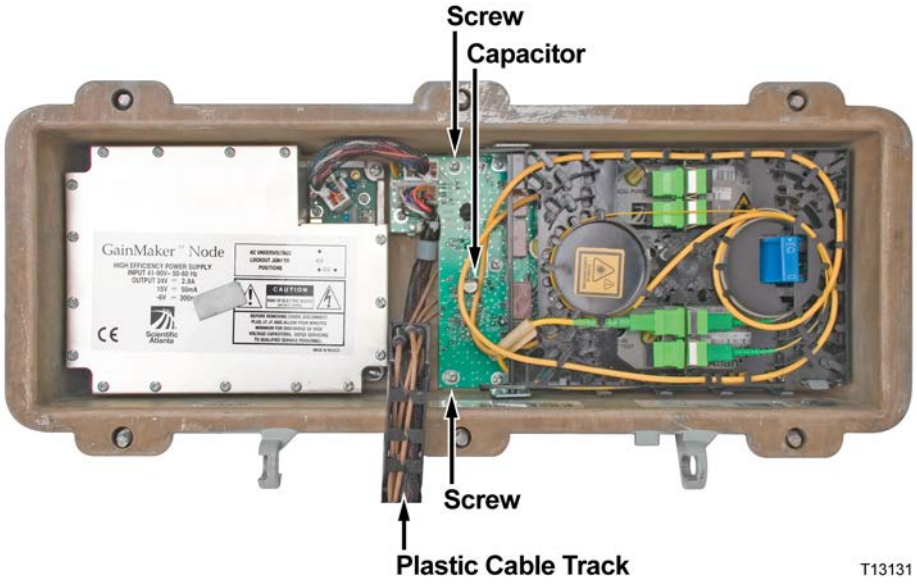
- *1 GHz GainMaker Broadband High Gain Balanced Triple (HGBT) RF Redundant Node Installation and Operation Guide*, part number 4011881

Installing the Power Cable Track Guide

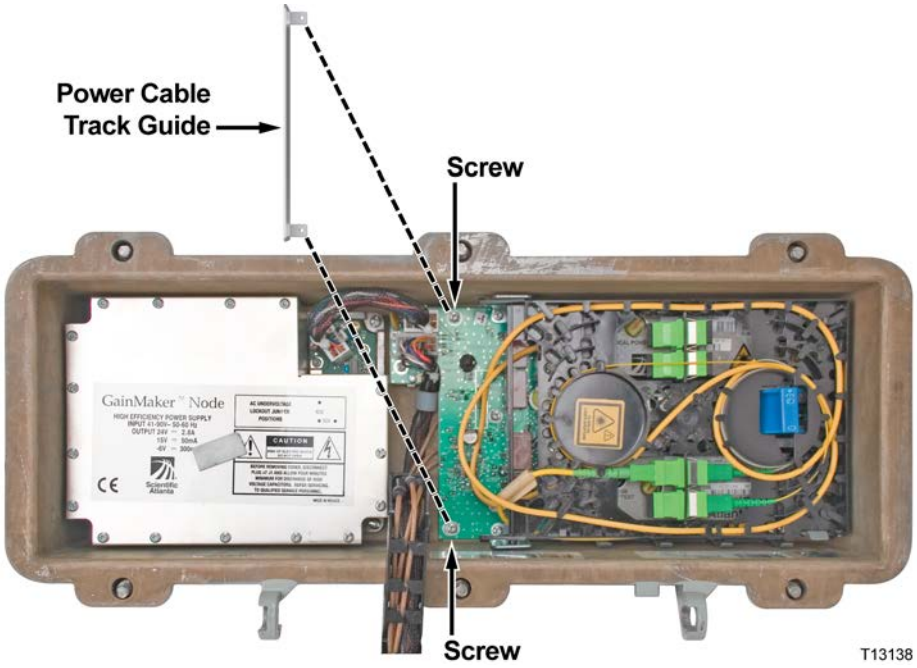
To Install the Power Cable Track Guide

Refer to *1 GHz GainMaker Broadband High Gain Balanced Triple (HGBT) RF Redundant Node Installation and Operation Guide*, part number 4011881, for information about opening the housing, closing the housing, and housing torque specifications.

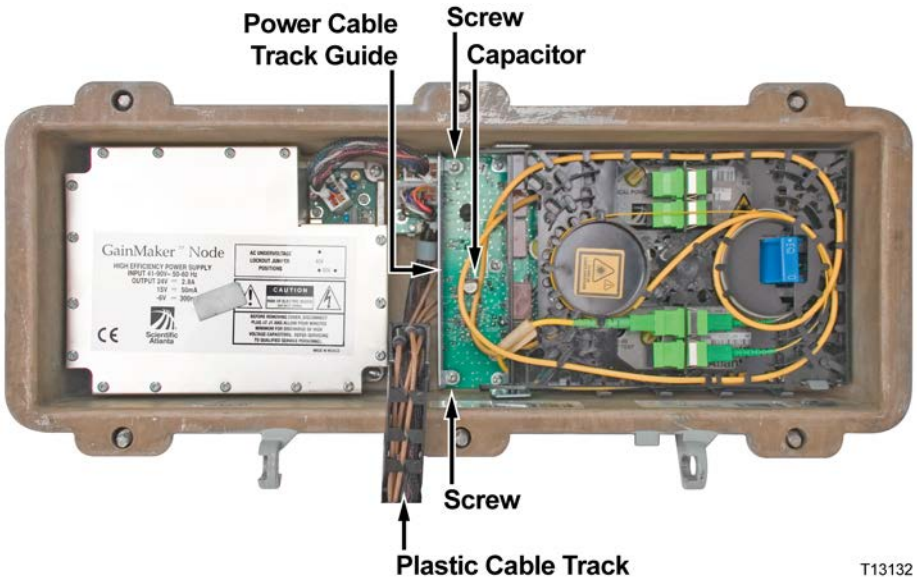
1 Remove the two OIB screws as indicated below.



2 Insert the Power Cable Track Guide as oriented in the view below.



3 Re-install the two OIB screws. Torque from 5 in-lb to 8 in-lb (0.56 Nm to 0.90 Nm).



For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.

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