



Alpha Amp Clamp for Power Inserter Installation Instructions

Overview

Introduction

This document provides a technician with instructions on how to install an Alpha amp clamp in a power inserter.

Parts

Power Inserter	Power Inserter Part Number	Amp Clamp Part Number	Power Inserter with Amp Clamp Part Number
750 MHz	467339	562654	503749
1 GHz	506667	562654	506668
High Current	544838	562654	544839

Required tools

Before you start, make sure you have the following tools.

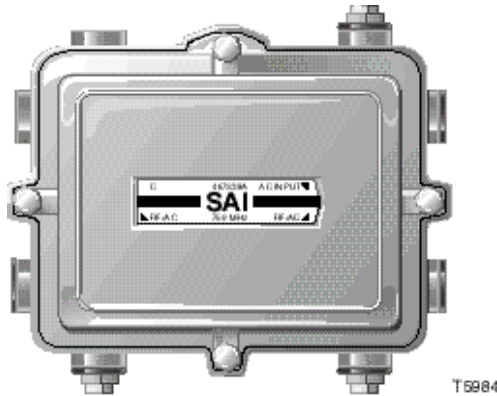
- 3/8-in. nut driver
- #2 Phillips-head screwdriver

Overview, Continued

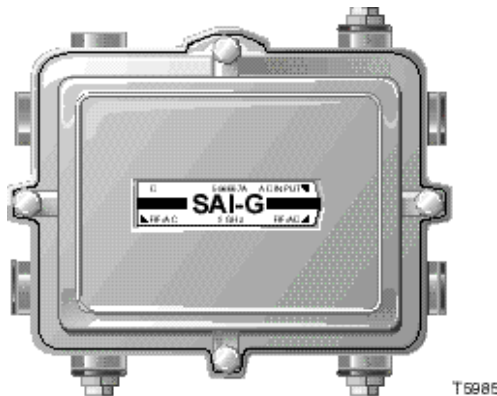
Power inserter illustrations

The following illustrations show the 750 MHz, 1 GHz, and high current power inserters.

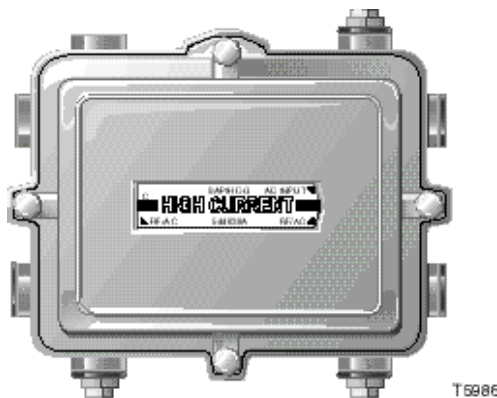
750 MHz Power Inserter



1 GHz Power Inserter



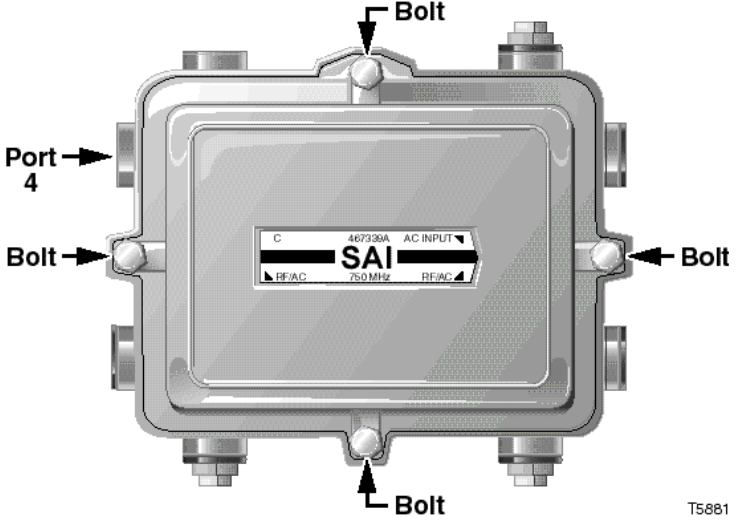
High Current Power Inserter



Installing the Alpha Amp Clamp

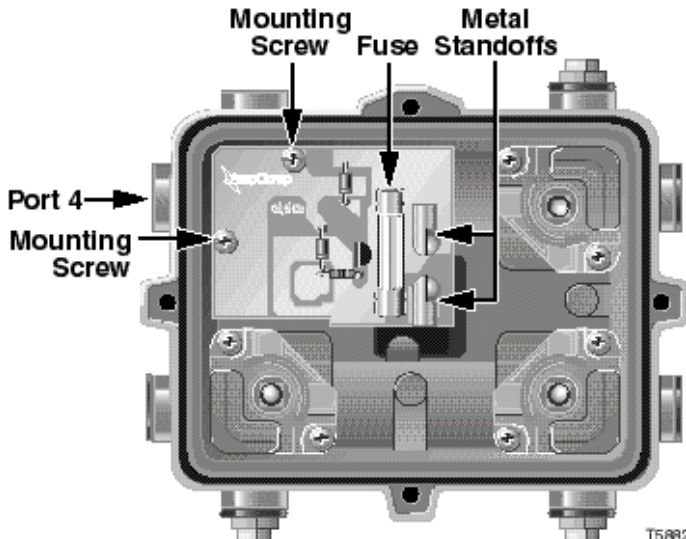
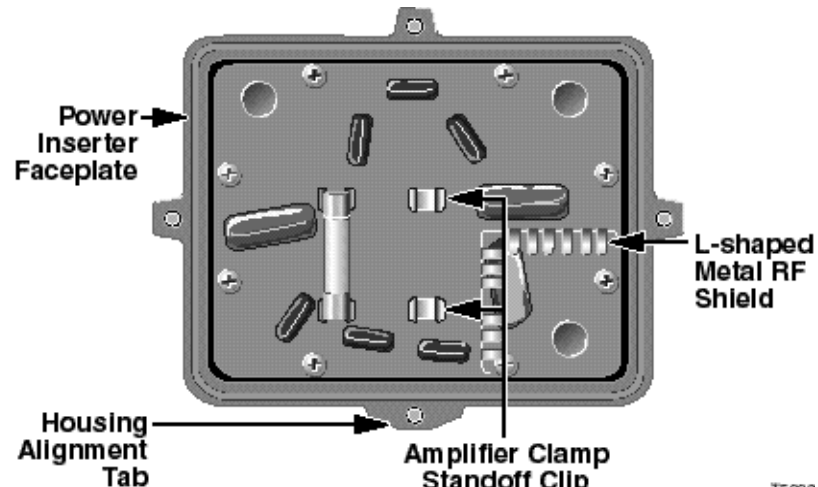
Installing the amp clamp

Follow the steps in the table below to install the amp clamp in the power inserter.

Step	Action
1	Using a 3/8-in. nut driver, loosen the four captive bolts on the faceplate.  <p>The diagram shows a rectangular metal faceplate with a central label. The label contains the text: 'C 467938A AC INPUT', 'SAI', and '750 MHz'. There are four bolts, one on each side (top, bottom, left, right), with arrows pointing to them and the word 'Bolt' next to each arrow. On the left side, there is a label 'Port 4' with an arrow pointing to a port. The number 'T5881' is located in the bottom right corner of the diagram area.</p>
2	Grasp two bolts on the faceplate and pull straight out from the power inserter housing.
3	Locate the Port 4 label on the exterior of the power inserter housing.

Installing the Alpha Amp Clamp, Continued

Installing the amp clamp (continued)

Step	Action
4	<p>Place the amp clamp board, SCR side down, in the Port 4 corner of the power inserter housing. Align the two holes in the board with the two mounting holes in the housing.</p> 
5	<p>Insert the two mounting screws into the amp clamp board and tighten from 10 in-lb to 12 in-lb (1.13 Nm to 1.35 Nm) to ensure a good ground connection.</p>
6	<p>Remove the power inserter fuse from the faceplate (closest to the vertical L-shaped metal RF shield) and insert it into the amp clamp's fuse holder.</p> 

Installing the Alpha Amp Clamp, Continued

Installing the amp clamp (continued)

Step	Action
7	<p>Align the power inserter faceplate with the power inserters housing. Ensure that the housing alignment tab on the faceplate and power inserter housing match. Carefully press the two halves together.</p> <p>Note: The metal standoff mating prongs on the amp clamp must snap between both standoff clips on the faceplate.</p>
8	<p>Using a 3/8-in. nut driver, tighten the faceplate's four captive bolts from 50 in-lb to 60 in-lb (5.6 Nm to 6.8 Nm).</p>
9	<p>If you have a 750 MHz power inserter use the following label:</p> <div data-bbox="699 800 1187 947" style="text-align: center;"> </div> <p>If you have a 1 GHz power inserter use the following label:</p> <div data-bbox="699 1035 1187 1182" style="text-align: center;"> </div> <p>If you have a high current power inserter use the following label:</p> <div data-bbox="699 1270 1187 1417" style="text-align: center;"> </div>
10	<p>Clean the label area on the surface of the power inserter (remove dust, etc.). Remove the adhesive backing of the product/serial number label from the retrofit kit and place on the exterior of the power inserter housing.</p>

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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August 2012 Printed in USA

Part Number

78-589863-01 Rev C