

CORRECT INSTALLATION OF POWER CABLES AND HARDWARE ON INPOWER SSC10 SERIES SWITCHES

Purpose

Correct installation of cables and retaining hardware is essential for proper operation and optimal conductivity on InPower LLC power switches. InPower has issued this bulletin to advise on the correct procedures for the mounting of power cables to power switches.

InPower provides 2 pieces of hardware per terminal for mounting cables:

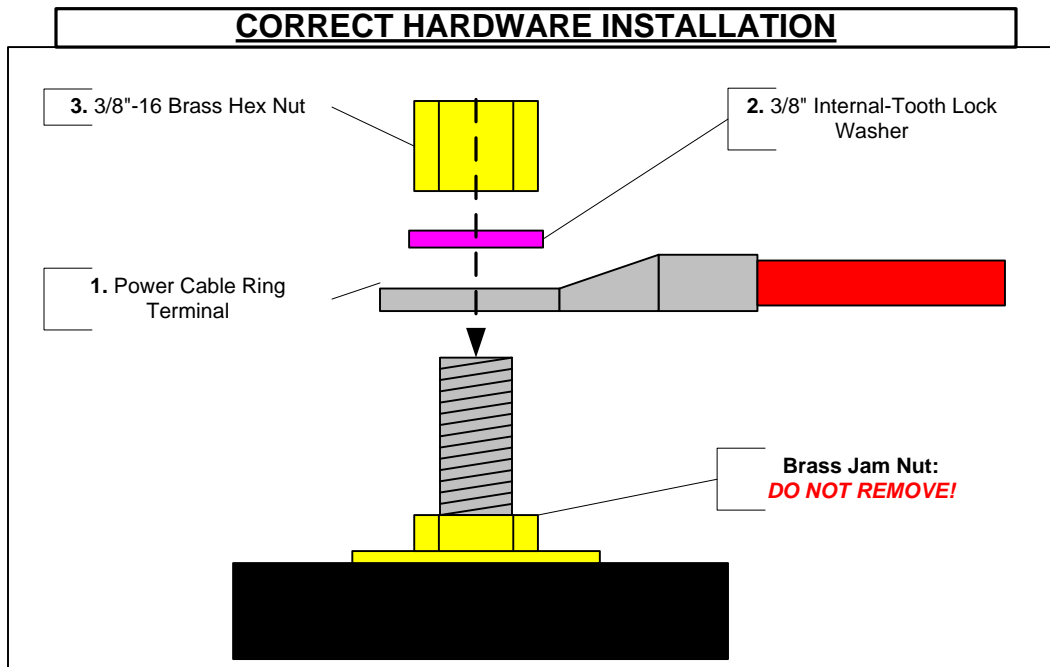
- (1) 3/8-16 Brass Hex Nut
- (1) 3/8" Stainless Steel Internal-Tooth Lock Washer

In addition, InPower has installed a brass Jam Nut at the base of the threaded stud. **THIS JAM NUT IS NOT TO BE REMOVED OR LOOSENED UNDER ANY CIRCUMSTANCES!**

Please follow these steps to attach your cables to your power switch. (See also diagram below)

1. The 3/8" Brass nut and lock washer need to be removed prior to the cable installation
2. Drop your cable's ring terminal over the stud onto the brass Jam Nut.
3. Replace the Internal-Tooth Lock washer onto the stud, on top of the cable.
4. Install the 3/8" Brass Nut onto the stud and tighten to **no more than 15 ft-lbs.**

Incorrect installation adds electrical resistance to the connection which causes heating may result in degraded performance.



See Page 2 for Alternate Installation Options & Warnings:

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Alternate Installation Option: Adding a Flat Washer to Minimize Cable "Clocking"

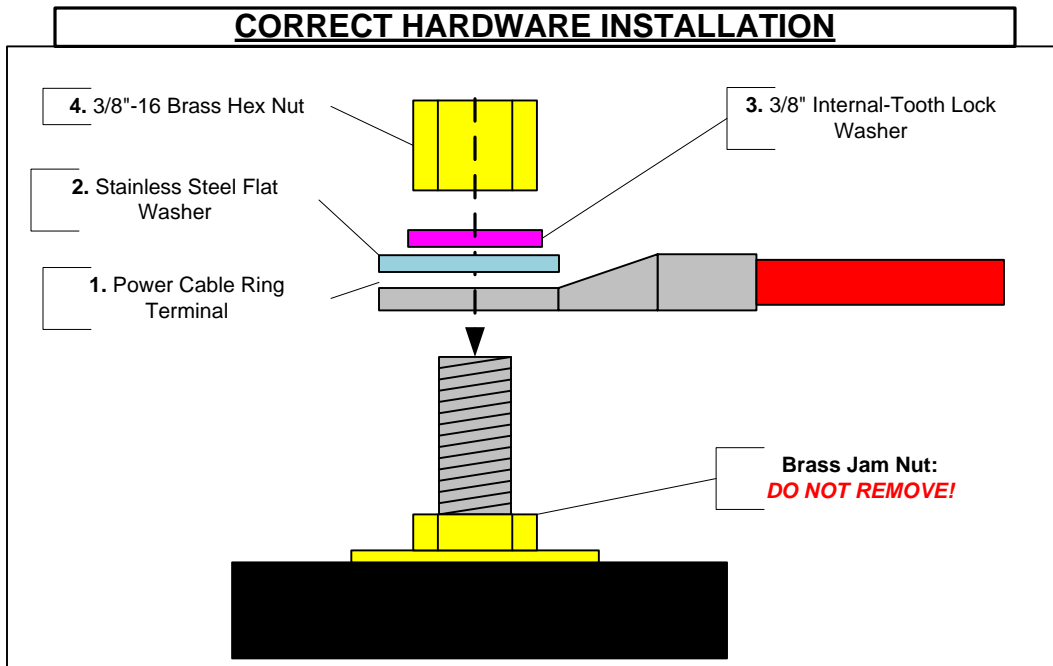
THE JAM NUT IS NOT TO BE REMOVED OR LOOSENED UNDER ANY CIRCUMSTANCES!

In order to minimize cable "clocking" or turning during the tightening of the Brass Hex Nut, a 3/8" flat washer may be added to the installation between the Internal-Tooth Lock Washer and the Cable Terminal

Please follow these steps. (See also diagram below)

1. The 3/8" Brass nut and lock washer need to be removed prior to the cable installation
2. Drop your cable's ring terminal over the stud onto the brass Jam Nut.
3. Drop a 3/8" Stainless Steel Flat Washer onto the stud over top of the cable ring terminal
4. Replace the Internal-Tooth Lock washer onto the stud, on top of the cable.
5. Install the 3/8" Brass Nut onto the stud and tighten to **no more than 15 ft-lbs.**

Incorrect installation adds electrical resistance to the connection which causes heating may result in degraded performance.



INCORRECT HARDWARE INSTALLATIONS

