

Operating Instructions for

CHANCE

Temporary Cutout Tools

Temporary Disconnect Tools

Keep these instructions and warnings with the product for future reference.

Catalog No.	Description	Application	Continuous Current	Interrupt Capacity
PSC6010341	Standard Type	15 kV	100 A	10,000 A
PSC6010345	Pivot-Lever Type	15 kV	100 A	10,000 A
PSC6010343	Solid Blade Disconnect	15kV	300 A	---
PSC6010342	Standard Type	27 kV	100 A	8,000 A
PSC6010346	Pivot-Lever Type	27 kV	100 A	8,000 A
PSC6010344	Solid Blade Disconnect	27 kV	300 A	---

CAUTION

The equipment covered by this instruction guide should be selected, installed and serviced by competent personnel who understand proper safety procedures. This instruction guide is written for such personnel and is not a substitute for adequate training and experience in safety procedures regarding this type of equipment.

This guide does not claim to cover all details or variations in equipment nor to provide for all possible conditions to be met with concerning installation, operation or maintenance of this equipment. If further information is desired or if particular problems are encountered which are not sufficiently covered in this guide, contact Chance.

CAUTION

The equipment covered here is for temporary use only; it is not to be used in place of a permanent cutout or a switch.

NOTICE

Proper size and rating of the Temporary Cutout Tool must be selected for each installation with consideration to recovery voltage, continuous current and fault-interrupting rating. Should there be any concern regarding use of this tool as rated, consult your supervisor before installation.

Installation of Fuselink

To install the fuselink in the fuseholder, remove the cap from the upper ferrule of the fuseholder assembly. Slide the fuselink, cable end first, into the top of the fuseholder and pull out at the lower end.

WARNING

Do not mount this Temporary Cutout Tool in vaults or other enclosed areas because of the expulsion emitted during fault interruption which can cause personal injury. Stay clear of the fuse tube barrel centerline.

CAUTION

Do not remove or damage the small tube on the fuselink. It is an integral part of the fuselink and removal or damage to it may result in a failure to interrupt.

Replace the cap on the upper fuseholder ferrule and tighten with a wrench. Holding the fuseholder at the lower end, rotate the link ejector about its pivot until it stops, making certain the tab on the link ejector engages the latch on the lower fuseholder ferrule (see Figure 1).

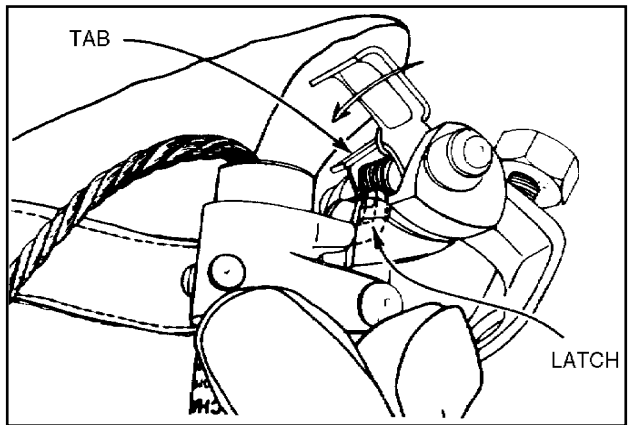


Figure 1

Holding the ejector in this position, feed the cable over the link ejector channel and around the threaded stud in a clockwise direction (see Figure 2). Maintaining tension on the fuselink cable, tighten the fuselink attachment nut with a wrench. Clip off excess fuselink cable.

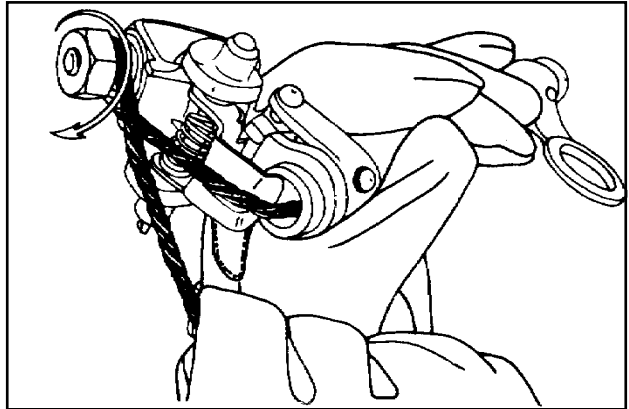


Figure 2

CAUTION

Do not use 100-amp or smaller fuselinks in 200-amp fuseholder by employing washers or other means. This could result in failure to interrupt.

To Install On Line

Remove fuseholder if in Temporary Cutout Tool.

Do not proceed with fuseholder in Temporary Cutout Tool

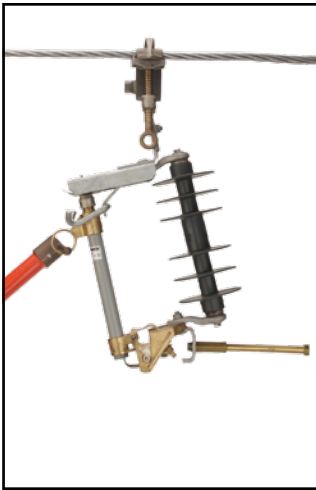
Attach both clamps of temporary jumper on Temporary Cutout Tool stud at lower trunnion.

Use a Grip-All clampstick to place the Temporary Cutout Tool on the energized line conductor. **Mount the assembly vertically and allow for clearance above and below the fuseholder to adjacent phase conductors and grounds.**

Again using a Grip-All clampstick, place one of the jumper clamps on the load to be picked up (such as Apparatus jumper or branch line). **When attaching jumper to load, do not pull tool out of vertical position.**

With a disconnect stick, install fuseholder in lower trunnion of Temporary Cutout Tool and close it, securing contacts in latched position.

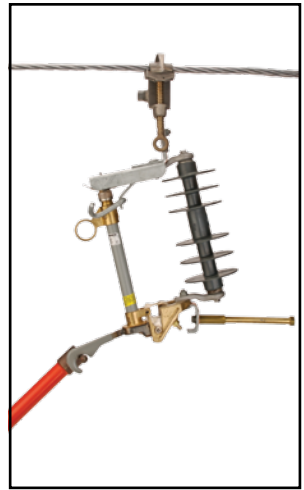
NOTE: While closing Temporary Cutout Tool, operator should be positioned well clear of the vented end (exhaust path) of the fusetube.



**Closing Standard Type
Tool**



Closing Pivot-Lever Type Tool



To Remove from Line

Back on the structure, close the bypassed switch or make up a permanent connection. Open the Temporary Cutout Tool, remove temporary jumper clamp from the load and secure it on the Temporary Cutout Tool stud at the lower trunnion.

CAUTION

Do not attempt to open a Temporary Cutout Tool to interrupt a load current or a loop current. An arc started by such an opening could cause damage to equipment or personal injury.

NOTE: If the fuse is blown or should be replaced, it is not necessary to remove the Temporary Cutout from the line. Simply lift out the fuse holder, refit with a new fuselink and replace fuseholder, as with a regular open type cutout.

Checklist:

1. Check tool for proper closing and latching before each use.
2. Allow clearance for gas expulsion from lower end of fusetube.
3. This product should not be installed for extended periods when it might be exposed to inclement weather. With the fuseholder in blown position the skirted support may permit excessive leakage, depending upon surface contamination and extent of surface wetting. Wiping the skirted support pole with a clean Chance Wiping Cloth (Cat. No. M1904) or a Chance Silicone Wipe (Cat. No. C4002568) before each extended use will help resist this condition.
4. To assure proper closing and dropout operations, always close the fuseholder in line with the skirted support pole.
5. When attaching jumper to load, do not pull tool out of vertical position.

Solid Blade Disconnect Application:

For use of the above Temporary Cutout Tool for 15 or 27 kV as a disconnect rated at 300 amps, simply remove the standard fuseholder assembly and add the T710133T (15kV) or T710233T (27kV) solid blade.

When using the solid blade disconnect, it should be used for a temporary means of connecting and disconnecting equipment or circuits with load conditions under 300 amps. When disconnecting load or opening loop circuits of 15 or 27 kV under 300 amps, the disconnect tool must be opened only with the use of an S&C Load Buster®, Utility Solutions LoadRanger®, or similar loadbreak tool.

WARNING

A load break device such as a LoadBuster® or LoadRanger® tool must be used when opening this tool. Opening this tool without a loadbreak device may result in continued arcing and equipment damage, personal injury or death.

CAUTION

The Temporary Cutout Tool and Temporary Disconnect Tool should not be used for picking up circuits when conditions of the line are unknown. These tools should not be utilized for picking up a circuit when a fault could occur.

Recommendations for use

Prior to installing a Temporary Cutout or Temporary Disconnect Tool on any conductor, the conductor and adjacent supports shall be inspected for mechanical integrity.

Additional precaution must be taken when using on small or slack conductors.

WARNING

Adequate electrical clearance between the conductor and tool to other energized conductors, or grounded surfaces or equipment must be maintained during any conductor movement or position of the fuse tube assembly or disconnect blade. Failure to maintain adequate electrical clearance during operation may result in equipment damage, personal injury or death.

The use of a loadbreak tool will reduce the movement of the conductor during opening procedures. When closing the tool, position the cutout fuse tube assembly or disconnect blade 5" to 6" from the contacts and then close with a quick positive action. This will reduce movement of the conductor during closing procedures.

NOTE: Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.



POWER SYSTEMS, INC.

CHANCE

210 N. Allen St.
Centralia, MO 65240 USA
Phone: 573-682-5521
Fax: 573-682-8714
<http://www.hubbellpowersystems.com>

©Copyright 2007 Hubbell Power Systems, Inc.

Printed in USA

P6001981

Rev. E