

Safe Work Practices

Title:

Energized Cutout Change-Out

Reference:

SWP-5.09

Revision:

Page:

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Date:

12/21/2017

Revised:

1.0 PURPOSE

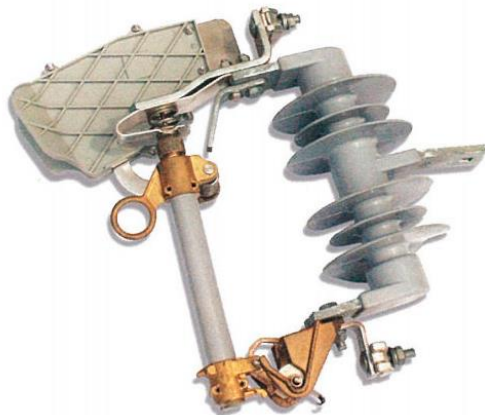
- 1.1 The purpose of this document is to provide guidelines for changing a cut out while energized.

2.0 SAFETY

- 2.1 When working within the “MAD” zone, a yellow tag is required.
- 2.2 When work is being performed overhead, employees shall remain away from the base of the pole, except to assist the person doing the overhead work.
- 2.3 All equipment and tools to be used aloft shall be raised and lowered by aerial basket, hand line, canvas bucket, or other suitable container. Heavy items shall be raised by crane or hoist. Items should not be thrown or dropped.

3.0 GENERAL

- 3.1 The basic protective devices used on our distribution system are fuses, reclosers and circuit breakers. The most widely used protective device on the Versant Power system is the distribution fused cutout. The name cutout is given to it because by removal of the fuse link, the circuit is opened the same as if a switch were opened. The cutout is used to protect primary lines as well as all types of equipment (transformers, underground systems, capacitors, etc.). In this SWP, you will be instructed in changing out a cutout. The reason a cutout may need to be changed could be for a number of reasons such as a broken insulator, top or bottom contacts burnt, top or bottom conductor clamp bad, etc...



LOAD BREAK CUTOUT



CUTOUT

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e:

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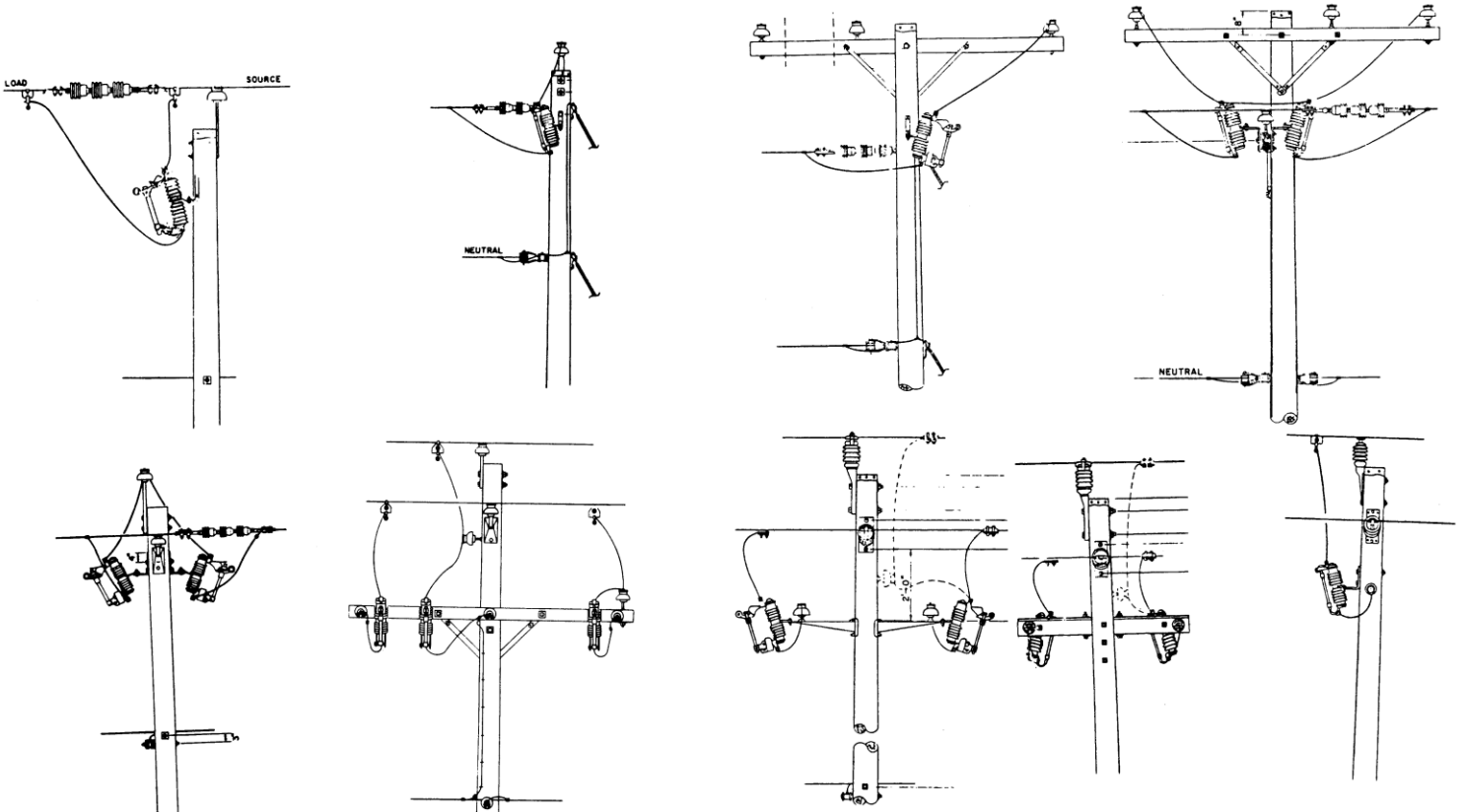
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As you can see, each cutout installation may require a different procedure in order to obtain a safe working position. An important thing to remember is that you may be in very close quarters, so use proper protective equipment.

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6.0 STEPS FOR CHANGING OUT CUTOUT

- 6.1 Determine the type of cutout installation needed, then choose the appropriate protective equipment you will need.
- 6.2 Obtain new cutout and loosen new conductor clamps.
- 6.3 Obtain mechanical jumper needed and inspect before use. (SWP 5.08-3.3)
- 6.4 Install protective equipment as you move into position to bypass cutout.
- 6.5 Jumper out cutout and **REMEMBER: DO NOT LAY THE JUMPER ON UNCOVERED EQUIPMENT.**
- 6.6 Open cutout door with switch stick and remove. **REMEMBER: BOTH THE TOP AND BOTTOM OF CUTOUT ARE STILL ENERGIZED.**
- 6.7 Remove conductors from bottom and top of cutout.
- 6.8 Remove cutout from bracket and place in grunt bag.
- 6.9 Install new cutout on the bracket.
- 6.10 Install conductor in top and bottom of cutout and attach to phase with shot gun stick (preferred method).
- 6.11 Check for proper fuse size, install and close cutout door with switch stick.
- 6.12 Remove mechanical jumper. Remember, jumper will be hot until both ends have been removed.
- 6.13 Remove protective equipment.

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