

DEH025 Instruction

Power Break® II Circuit Breaker Accessories

Hidden On Button

Introduction

The Hidden On Button, catalog number SPPBNONR, can be installed on 800-4000 ampere-frame Power Break® II circuit breakers. The kit consists of an unmarked replacement for the normal On button and a plastic button that attaches to the breaker mechanism.

Operation

Charge the breaker closing springs, then insert the end of an approximately 0.1-inch-diameter steel rod through the hole in the center of the Hidden On Button, as shown in Figure 1. When the rod engages the button attached to the mechanism, light pressure on the rod will close the breaker mechanism.

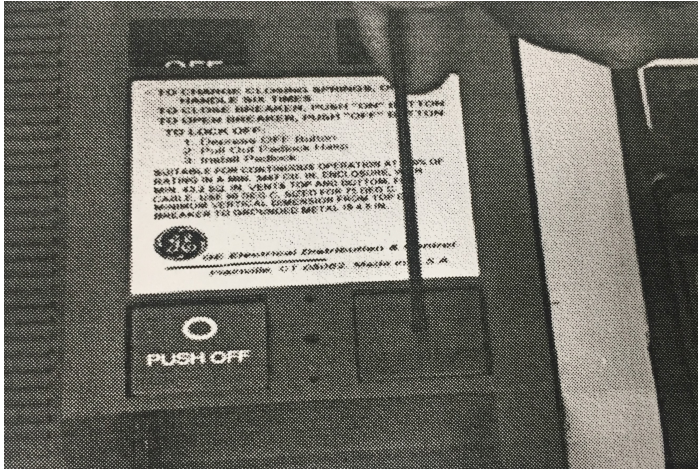


Figure 1. Activating the breaker closing mechanism through the hole in the Hidden On Button.

Installation

WARNING: Before installing any accessories, turn the breaker OFF, disconnect it from all voltage sources, and discharge the closing springs.

AVERTISSEMENT: Avant d'installer tout accessoire, mettre le disjoncteur en position OFF, le déconnecter de toute tension d'alimentation, et décharger les ressorts d'armement.

Use the following procedure to install the Hidden On Button:

1. If a trim plate is installed on the breaker, loosen the four screws securing the trim-plate assembly and remove the trim plate from the breaker.
2. Loosen the four screws at the corners of the breaker cover. Pull the operating handle down and hold it extended, then remove the cover.
3. Locate the tab on the breaker mechanism that is normally engaged by the on button, shown in Figure 2.

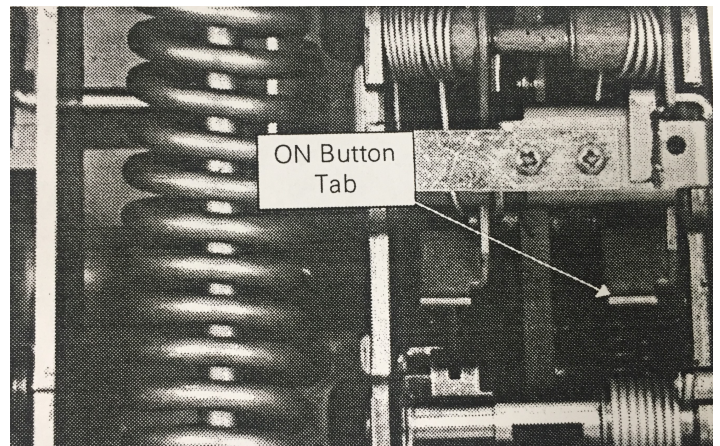


Figure 2 Tab on the breaker mechanism engaged by the On button.

4. Slide the slot on the white plastic button, supplied in the Hidden On Button kit, over the tab on the lever that closes the breaker, as shown in Figure 3. Push the button to the limit of the lever's travel to ensure a tight fit.

CAUTION: If the white plastic button is not fully seated on the tab on the breaker-closing lever, the breaker interlocks will not function.

ATTENTION: Les mécanismes de verrouillage du disjoncteur ne fonctionneront pas si le poussoir de plastique blanc n'est pas complètement enfoncé sur l'attache du levier de fermeture de l'interrupteur.

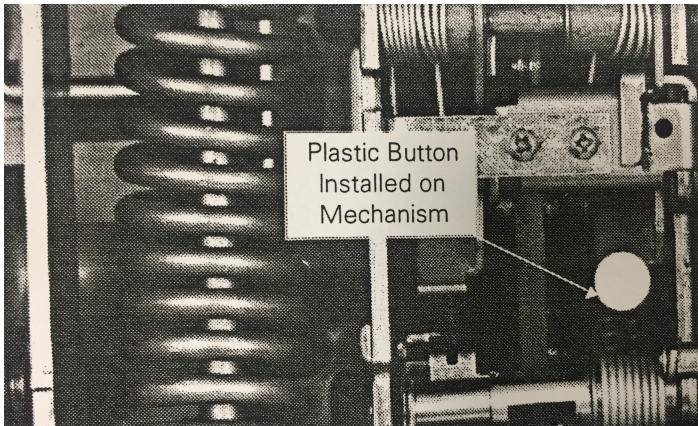


Figure 3 Plastic button installed on the breaker mechanism.

5. From the back side of the breaker cover, use two screwdrivers to press in the locking tabs on the ends of the normal On button, as shown in Figure 4, then push the button out through the front of the cover.

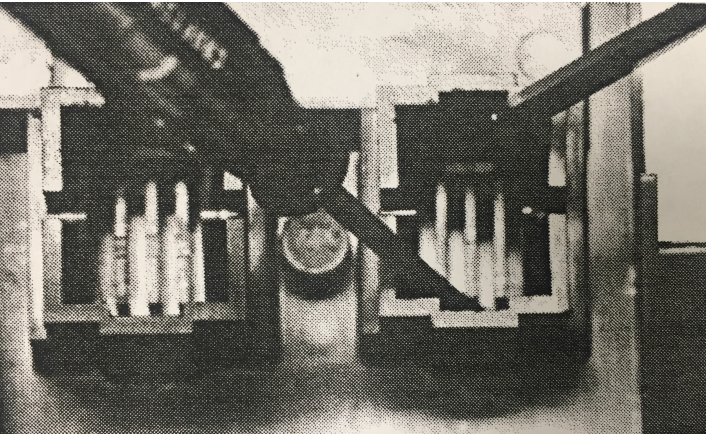


Figure 4. Removing the original On button from the breaker cover by pressing the locking tabs with two screwdrivers.

6. Slide the replacement On button into the slot on the front of the breaker cover, as shown in Figure 5, then press it in until the locking tabs click into place.
7. Reinstall the breaker top cover, ensuring that the Trip Unit and aluminum accessory sleeve are properly aligned with the cover. Tighten the four #10-32 screws to 15 in-lb.
8. Replace the trim plate, if installed, and tighten the four #8-32 screws to 15 in-lb.

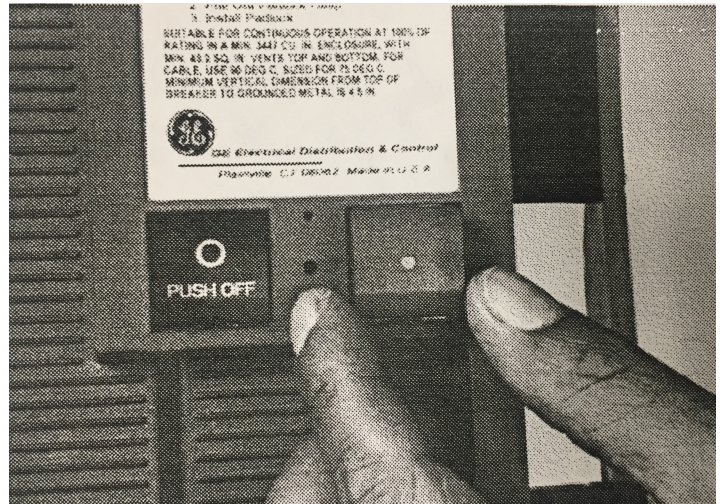


Figure 5 Installing the replacement On button into the breaker cover

These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the ABB Inc.