

Electronic Bypass Override Switch Kit

Product Description

This kit contains the parts needed to install an Electronic Bypass Override Switch on an existing BTE Bypass unit.

Contents



Figure 1. Contents.

- Switch plate with override switch
- Wire harness
- Wire ties
- Adhesive mounts

Product Number

BTE-SW-KIT

Warning/Caution Notations

WARNING:		Personal injury/loss of life may occur if you do not follow the procedures as specified.
CAUTION:		Equipment damage, or loss of data may occur if you do not follow the procedures as specified.

Required Tools

- 7 mm nut driver/socket
- Small wire cutters

Expected Installation Time

10 minutes

Prerequisites



WARNING:

Disconnect and lock-out power, and wait at least five minutes prior to installing.

Installation

Remove existing coverplate

1. Open bypass door.
2. Remove and retain four M4 hex nuts from the existing coverplate.

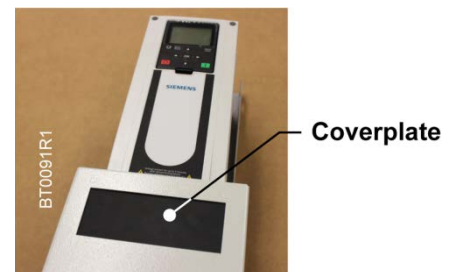


Figure 2. Coverplate (Exterior View).

3. Remove coverplate and retain for future reinstallation (if desired).

Coverplate



Figure 3. Coverplate Screws (Interior View).



Figure 4. Coverplate Removed.

Install new switch plate and route wiring harness

1. Install new switch plate using the four hex nuts removed in Step 1.
2. Use a 7 mm nut driver to securely tighten hex nuts.

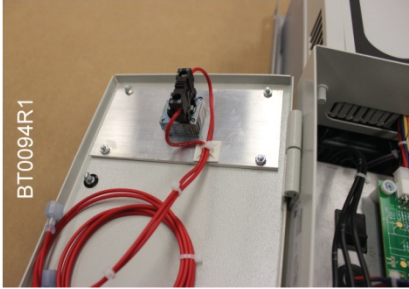


Figure 5. Switch Plate Installed.

3. Route wiring harness to the diagnostics board using adhesive mounts and wire ties (included). Trim wire ties as necessary after cinching.

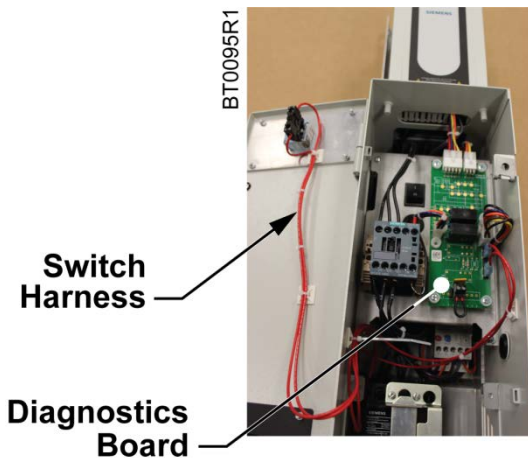


Figure 6. Routed Wiring Harness.

Terminate harness and complete installation

1. Terminate the wiring harness lugs at the override jumper.

NOTE:

You may terminate either lug on either post.

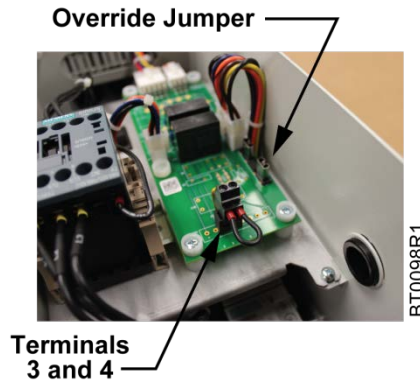


Figure 7. Override Jumper Location.

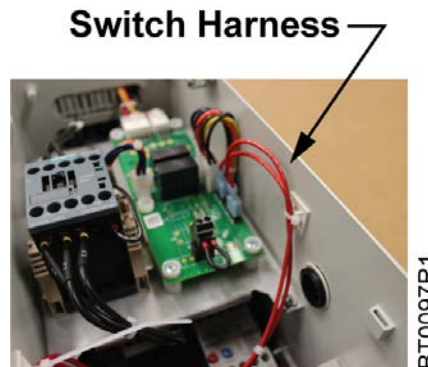


Figure 8. Terminated Switch Harness.

2. Close bypass door.



Figure 9. Completed Installation.

The installation is now complete.

Switch Operation

There are two modes of operation for the BT300 Electronic Bypass when using the Override Switch Kit (BTE-SW-KIT):

1. **STANDARD Mode** – This is the default operation mode. The switch must be in this position to enable the Drive to control the attached motor. The switch will control the motor in Drive (Auto or Hand), Off, and Bypass as Normal with the electronic bypass function of the Drive. See the *Siemens BT300 Bypass Operator's Manual* (DPD01391) for further information on these control methods.

2. **OVERRIDE Mode** – This is a final solution to run the motor in Override mode if the drive is unable to function properly. This is NOT an alternative method of putting the Drive into Override mode in lieu of using the keypad.

The Override mode supplies line voltage directly to the motor, and bypasses all controls from the Drive. The output contactor (M2) will be opened, and the bypass contactor (M1) will be closed. The overload still runs in series with the motor's power supply.



CAUTION:

When this Override mode is selected, any safeties wired to the Drive must be relocated to Terminals 3 and 4 of the diagnostics board (see Figure 7). If multiple safeties exist, they must be run in series with the circuit.

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