

Instructions



**! DANGER**

**Hazardous Voltage.**  
Will cause death, serious injury or substantial property damage.

Turn off power supplying this equipment before working inside.

**! SAFETY INSTRUCTIONS**

**Note:** This instruction outlines the recommended procedure to be completed by a qualified person, as defined by all local electrical codes and/or the National Electrical Code ®.

**Instruction Contents:**

The ECBSPDV3 kit may be used across many PowerMod Breaker Mains when indicated on device wiring diagram. Refer to correct instructions depending upon device catalog number.

**Section A:**

WBV\_C, 200A - 600A  
WEBV\_B, 200A - 800A

**Section B:**


WBV\_C, WBMV\_C, 900A - 1200A  
WEBV\_B, WEBMV\_B, 900A - 1200A

**Section C:**

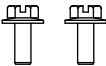
WBV\_C, 700A - 800A

**Kit Contents**


**a** (2) #10 x 5/16 Hex Head Screws




**b** (2) 1/4 x 5/8 Hex Head Sems Screws




**c** (1) #10 x 7/16 Hex Head Sems Screw



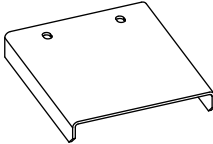
**d** (2) #10 Nut



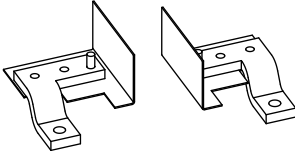
**e** (1) 1/4" Ring Terminal



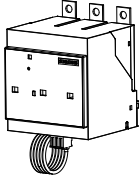
**f** (1) Mounting Plate



**g** Connector Assemblies  
(1) LH Connector Assy, (1) RH Connector Assy



**h** BSPD Surge Protection Device  
(sold separately, refer to BSPD instructions)



NOTE: Parts included in kit are shown. Some applications may not use all parts.



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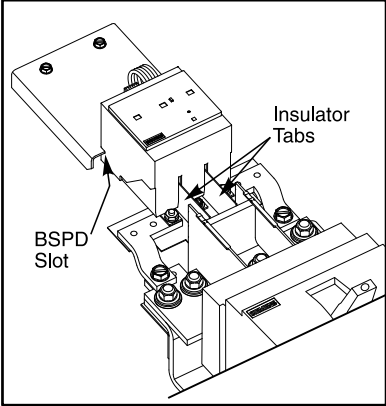
**Section A:** WBV 200A-600A, WEBV 200A-800A

**Turn off and lock off the power supplying the device before working inside.**

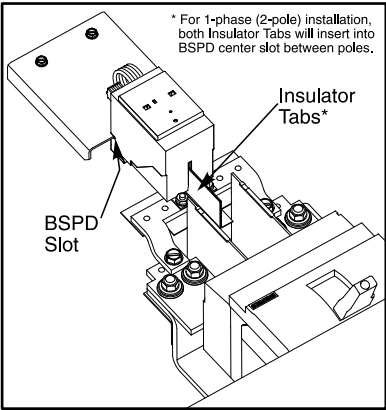
1. To enable view of SPD when cover is closed, remove and discard small plate located under clear plastic cover by removing (2) screws on inside of enclosure cover.
2. Assemble Mounting Plate (f) on top of Enclosure Bracket using (2) #10 x 5/16" Hex Head Screws (a). Torque to 35 ±5 lb-in.
3. Assemble LH Connector Assy (g) to Breaker Strap as shown using 1/4 x 5/8" Hex Head Screw (b) - install screw in hand-tight. Repeat on right side with RH Connector Assy.  
**NOTE:** use outer tapped holes for 3 phase, use inner tapped holes for 1 phase devices. See Fig.1A.
4. Position Surge Protective Device (h) (order separately) to Mounting Plate (f) by aligning slot on BSPD with mounting plate edge as shown in "Detail 3A." Align BSPD tang holes with LH/RH Connector Assy studs and press flat. Position Insulator Tabs in slots between poles on BSPD. Secure BSPD tangs on LH and RH Connector Assys using #10 Nuts (d) and torque 35 ±5 lb-ins. For 3 phase, secure center tang using #10 x 7/16" Screw (c) and torque 35 ±5 lb-ins. Tighten (2) 1/4 x 5/8" screws (b) from Step 3 to 55 ±5 lb-ins.
5. Determine length needed for Surge Protective Device pigtail to reach neutral bus, remove any slack in wire. Secure Ring Terminal (e) to Surge Protective Device pigtail. Connect Pigtail wire under screw located on neutral bus. Replace screw and torque to 55 ±5 lb-ins.

Refer to instructions included in BSPD kit for further information.

"Detail 3A" 3 Phase BSPD Mounting

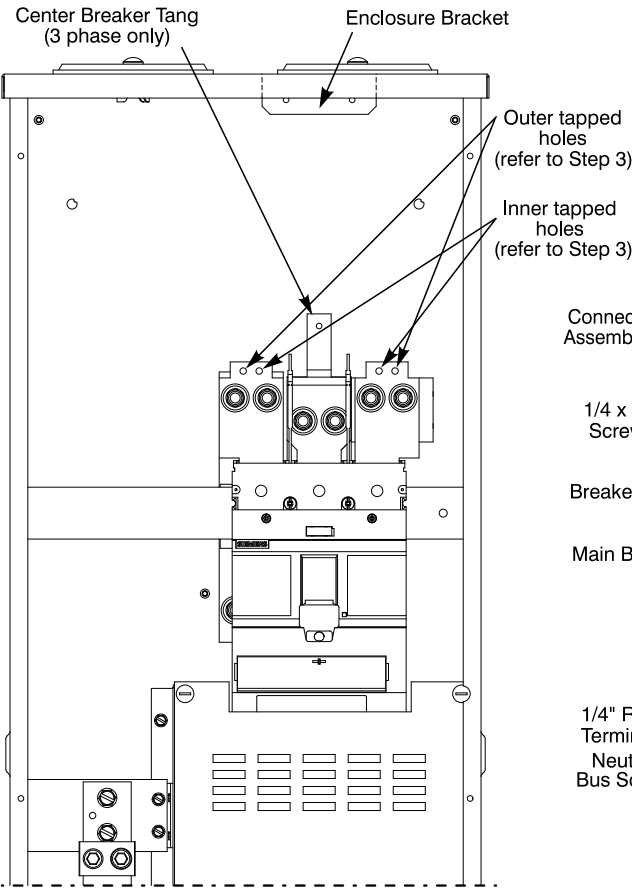


"Detail 3A" 1 Phase BSPD Mounting

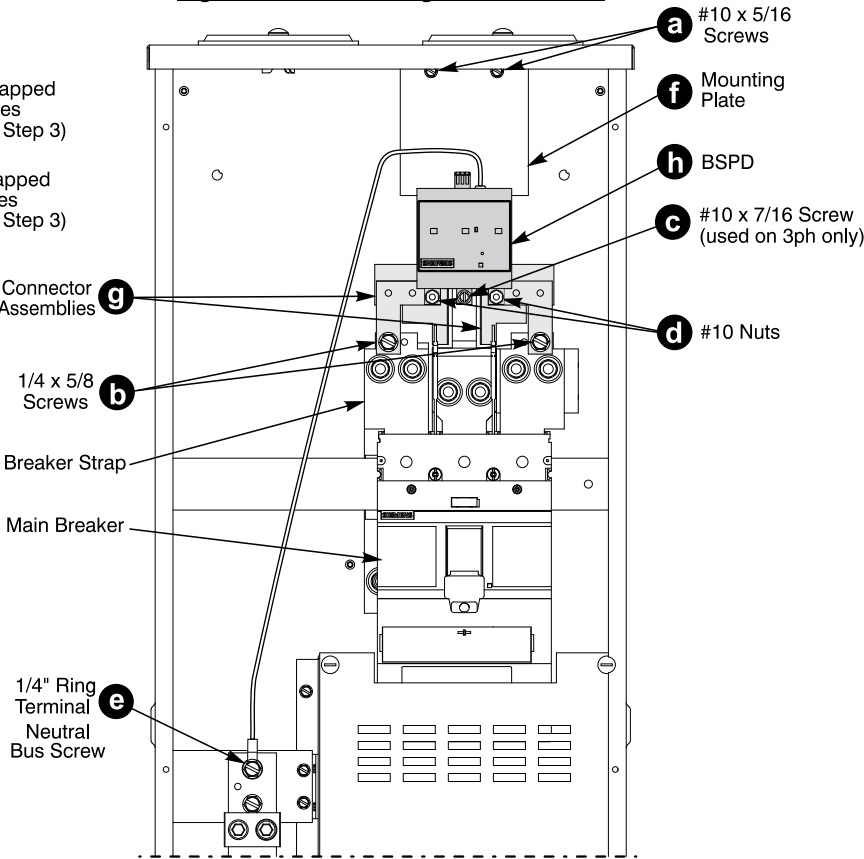


**3 Phase Installation Shown**

**Fig.1A: Before Mounting Kit installation**



**Fig.2A: After Mounting Kit installation**





### SAFETY INSTRUCTIONS

**Note:** This instruction outlines the recommended procedure to be completed by a qualified person, as defined by all local electrical codes and/or the National Electrical Code ®.

## Section B:

WB(M)V\_C, 900A-1200A, WEB(M)V\_B, 900A-1200A

**Turn off and lock off the power supplying the device before working inside.**

1. To enable view of SPD when cover is closed, remove and discard small plate located under clear plastic cover by removing (2) screws on inside of enclosure cover.

2. Remove (2) 1/4" Nuts from SPD Base and retain. Refer to Fig.1B.

3. Install Left and Right Connector Assemblies as shown in Fig.2B. Re-Install (2) 1/4" Nuts retained from Step 2. Do not tighten nuts.

4. Position Surge Protective Device (h) (order separately) to SPD Base by aligning slot on BSPD with Bracket edge as shown in Detail 3B. Align BSPD tang holes with LH/RH Connector Assy studs and press flat. Position Insulator Tabs in slots between poles on BSPD. Secure BSPD tangs on LH and RH Connector Assys using #10 Nuts (d) and torque 35 ±5 lb-ins. For 3 phase, secure center tang using #10 x 7/16" Screw (c) and torque 35 ±5 lb-ins. Tighten (2) 1/4" Nuts retained from Step 3 to 55 ±5 lb-ins.

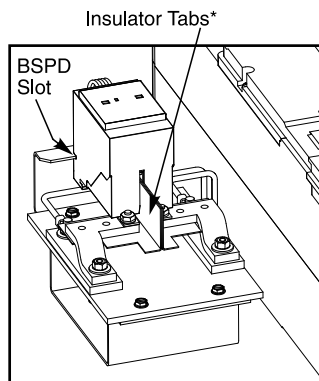
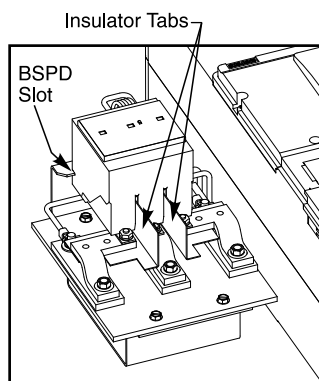
5. Determine length needed for Surge Protective Device pigtail to reach neutral bus, remove any slack in wire. Secure Ring Terminal (e) to Surge Protective Device pigtail. Connect Pigtail wire under screw located on neutral bus. Replace screw and torque to 55 ±5 lb-ins.

Refer to instructions included in BSPD kit for further information.

### Detail 3B

#### 3 Phase shown installed

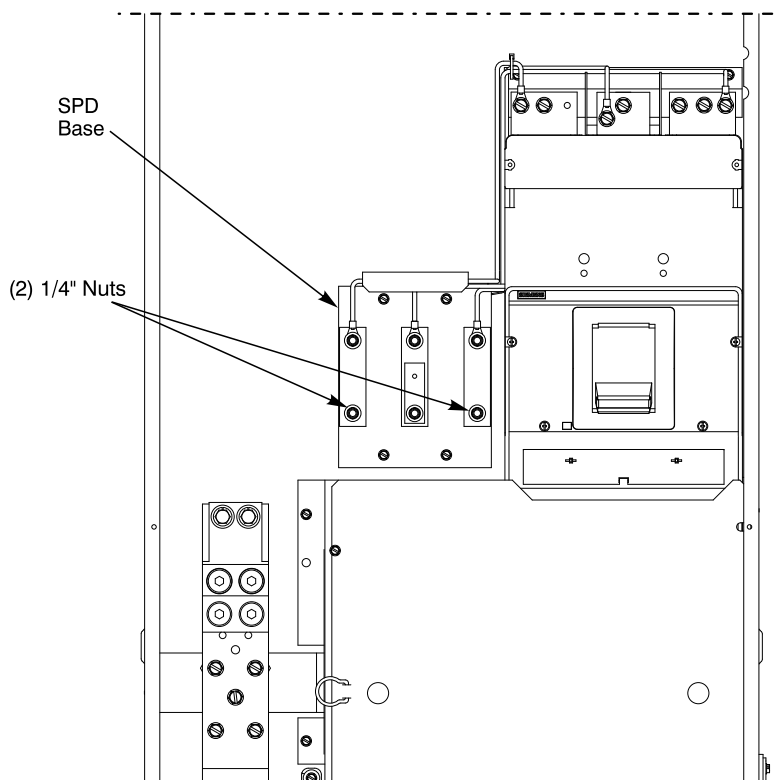
#### 1 Phase shown installed



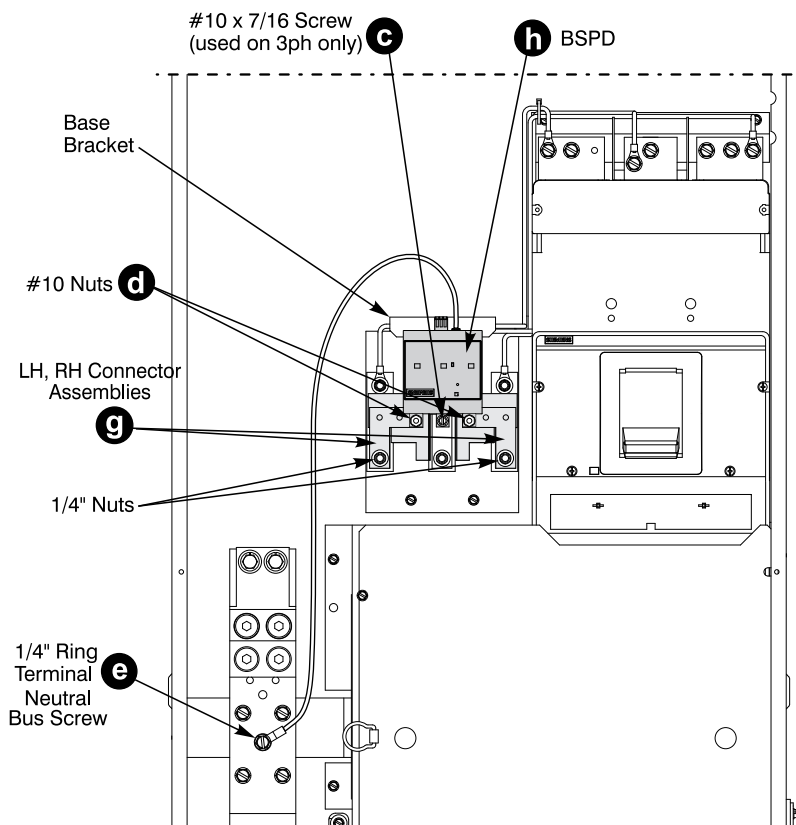
\* For 1-phase (2-pole) installation, both Insulator Tabs will insert into BSPD center slot between poles.

### 3 Phase Installation Shown

**Fig.1B: Before Mounting Kit installation**



**Fig.2B: After Mounting Kit Installation**





### SAFETY INSTRUCTIONS

**Note:** This instruction outlines the recommended procedure to be completed by a qualified person, as defined by all local electrical codes and/or the National Electrical Code ®.

### Section C:

WBV\_C, 700A-800A,

**Turn off and lock off the power supplying the device before working inside.**

1. To enable view of SPD when cover is closed, remove and discard small plate located under clear plastic cover by removing (2) screws on inside of enclosure cover.

2. If needed, remove and retain Line Terminal Barrier and screws to ease installation. Refer to Fig.1C.

3. Assemble LH Connector Assy (g) to Breaker Strap as shown using 1/4 x 5/8" Hex Head Screw (b) - install screw in hand-tight. Repeat on right side with RH Connector Assy.  
NOTE: use outer tapped holes for 3 phase, use inner tapped holes for 1 phase devices. Refer to Fig.1C.

4. Install Surge Protective Device (h) (order separately) by aligning slot on BSPD with Barrier Bracket edge as shown in Detail 3C. Align BSPD tang holes with LH/RH Connector Assy studs and press flat. Position Insulator Tabs in slots between poles on BSPD. Secure BSPD tangs on LH and RH Connector Assys using #10 Nuts (d) and torque 35 ±5 lb-ins. For 3 phase, secure center tang using #10 x 7/16" Screw (c) and torque 35 ±5 lb-ins. Tighten (2) 1/4 x 5/8" screws (b) retained from Step 3 to 55 ±5 lb-ins.

5. Determine length needed for Surge Protective Device pigtail to reach neutral bus, remove any slack in wire. Secure Ring Terminal (e) to Surge Protective Device pigtail. Connect Pigtail wire under screw located on neutral bus. Replace screw and torque to 55 ±5 lb-ins.

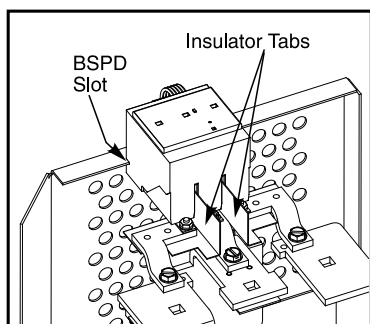
6. If Line Terminal Barrier was removed, replace Line Terminal Barrier and secure with screws retained from Step 2.

Refer to instructions included in BSPD kit for further information.

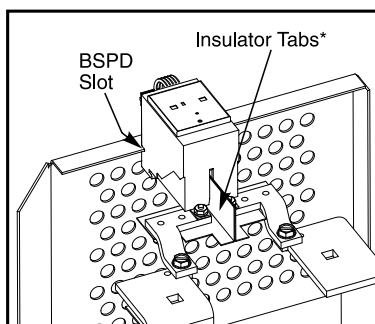
### Detail 3C

Breaker not shown for clarity

#### 3 Phase shown installed



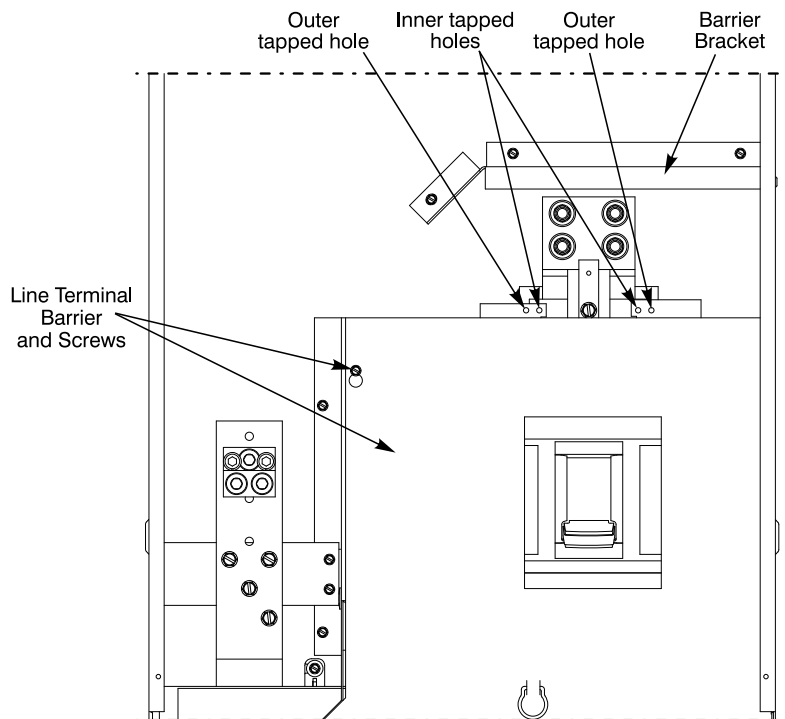
#### 1 Phase shown installed



\* For 1-phase (2-pole) installation, both Insulator Tabs will insert into BSPD center slot between poles.

### 3 Phase Installation Shown

**Fig.1C: Before Mounting Kit installation**



**Fig.2C: After Mounting Kit Installation**

