

*** Necessary changes for older 250A or 400A RP1 Panels:**

NOTE: Perform these steps only if the panel does NOT list this kit for use.

(Perform these steps prior to following the installation instructions that start on page 2.)

1. Replace all four Deadfront Supports with one of these kits (per application):

For 250A Panels:

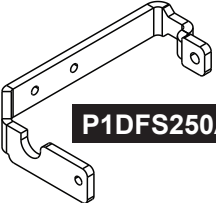
Feed-through Panels -- use kit **P1DFS250AFT**

NON-feed-through Panels -- use kit **P1DFS250ANFT**

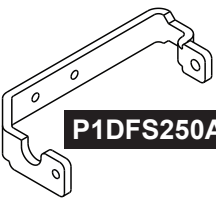
For 400A Panels:

All panels -- use kit **P1DFS400A**

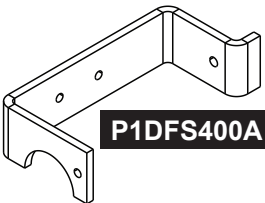
NOTE: New Deadfront Supports are constructed of 8 gage steel (approximately 0.17" thick)



P1DFS250AFT



P1DFS250ANFT

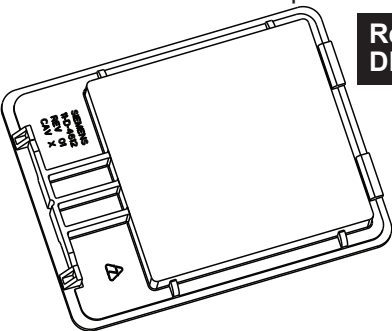


P1DFS400A

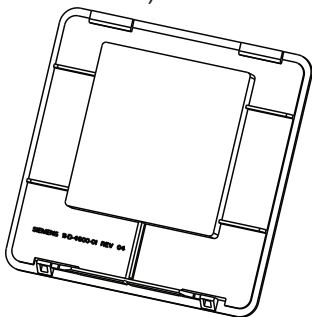
2. Replace any Main or Subfeed Blank Filler Plates that will remain AFTER the installation of this kit.

For 250A Panels Main or Subfeed Space -- use kit **DFFP01B** (Siemens part number 11-D-4612-01)

For 400A Panel Main Space -- use kit **DFFP01C** (Siemens part number 11-D-4600-01)



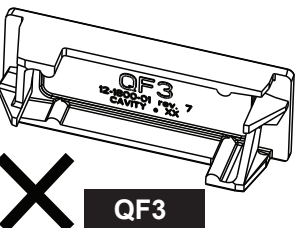
**Rear of
DFFP01B**



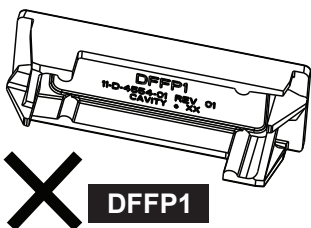
**Rear of
DFFP01C**

3. Replace all one inch Branch Filler Plates with **DFFP1A** (order as many as are needed)

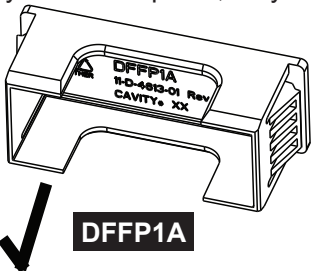
(Do NOT use any other fillers such as **QF3** or **DFFP1**. Although these may fit into the panel, they are not suitable for use in this application.)



QF3



DFFP1



DFFP1A

These instructions do not purport to cover all details or variations in equipment, or to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the local Siemens sales office. The contents of this Instruction manual shall not become part of or modify any prior or existing agreement, commitment or relationship. The sales contract contains the entire obligation of Siemens. The warranty contained in the contract between the parties is the sole warranty of Siemens. Any statements contained herein do not create new warranties or modify the existing warranty.

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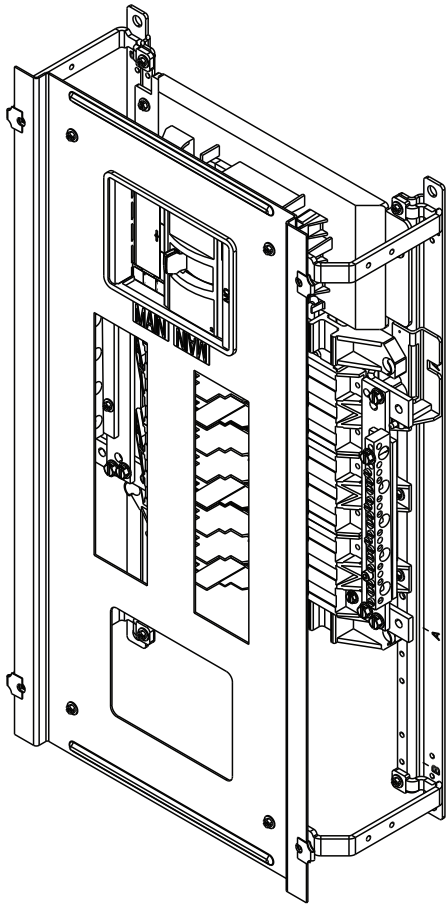
SIEMENS

MBKVA5262A* or MBKVA5262B* 3VA52 / 3VA61 / 3VA62 Main or Subfeed Breaker Kit for P1-250 Panelboard (or P1-400 Subfeed) (for use in Revised P1 Panelboards ONLY)¹

**Installation
Instructions**

**Also for 3VA
breaker kits
with breaker
INCLUDED.**

**Part numbers:
MBKVAM3150A
MBKVAM3200A
MBKVAM3225A
MBKVAM3250A
MBKVAH3200A
MBKVAH3250A**



¹ To confirm, note the part number of the panel (marked on the interior label).
If it ends in an "N" or a "T" it is a "Revised P1" and is compatible with this kit.
(For example: P1E42MC250A is an Original P1; P1E42MC250AT is a Revised P1)

*** CAUTION**

This kit MAY require additional kits (**PURCHASED SEPARATELY**), depending on the year this panelboard was manufactured (shown as **Date** on the rating label on the front of the deadfront):
BEFORE 2020: Panelboards REQUIRE installation of the kits noted on page 4 (deadfront supports, blank fillers and branch filler plates) in addition to this kit (**MBKVA5262A** or **MBKVA5262B**)
AFTER 2020: This kit (**MBKVA5262A** or **MBKVA5262B**) should be used without the need of additional kits
WITHIN 2020: If kit (**MBKVA5262A** or **MBKVA5262B**):
Is NOT listed on the kit label (on the rear of the deadfront), follow the BEFORE 2020 instructions
Is listed on the kit label, follow the AFTER 2020 instructions

⚠ DANGER

Hazardous voltage.
Will cause death or serious injury.

Keep out.
Qualified personnel only.
Disconnect and lock off all power before working on this equipment.

NOTE: Kits that include a breaker will have the following items pre-assembled to the breaker and are not included as separate parts:

- (1) Type 3VA circuit breaker
- (2) #8-32 socket-head thread-forming screws
- (1) strap and barrier assembly
- (1) 3VA52/3VA62 hardware kit

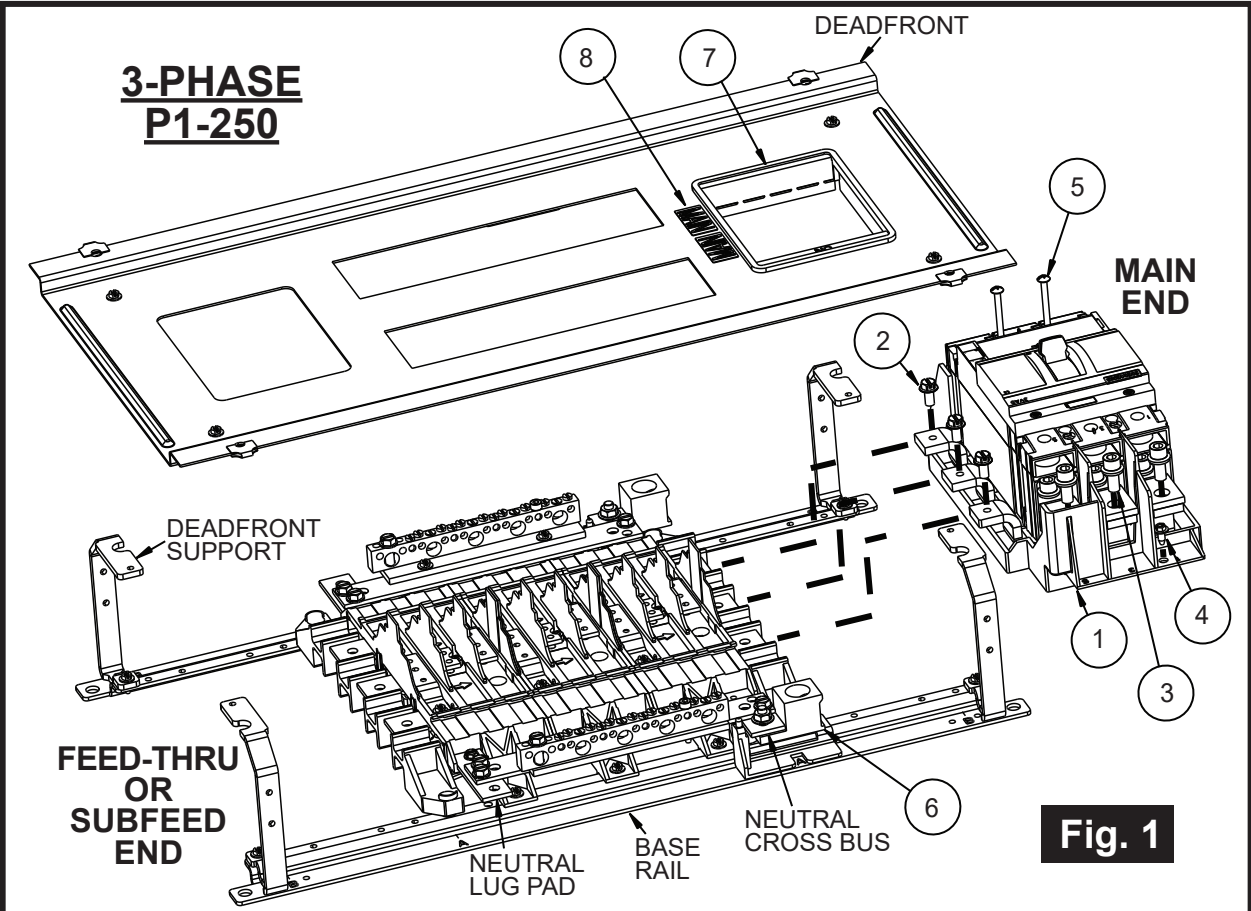


Fig. 1

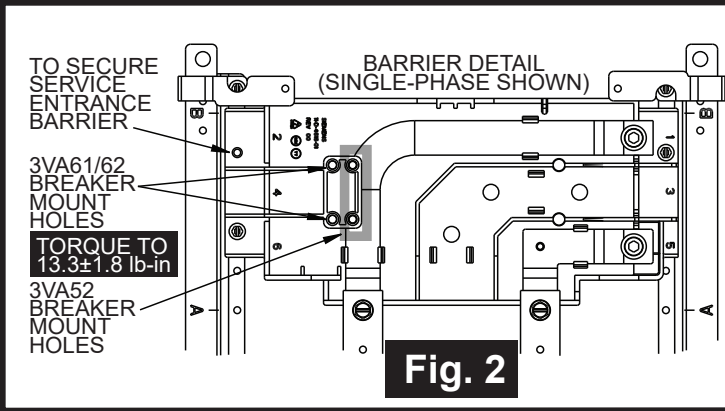


Fig. 2

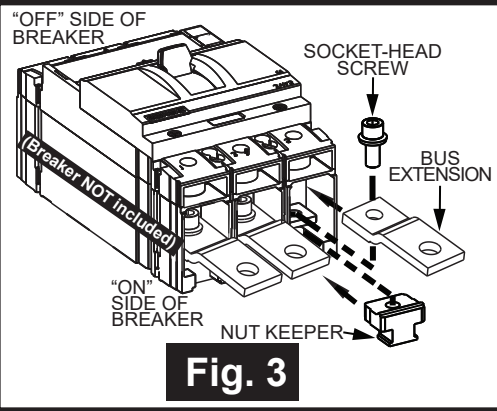


Fig. 3

THIS KIT CONTAINS THE FOLLOWING ITEMS:

| ITEM | DESCRIPTION | QTY | TORQUE |
|------|--|-----|-----------|
| 1 | STRAP AND BARRIER ASSEMBLY | 1 | N/A |
| 2 | 1/4"-20 x 1/2" HEX HEAD SEMS* ASSEMBLY SCREW | ** | 72 lb-in |
| 3 | 5/16"-18 x 3/4" SOCKET HEAD CAP MACHINE SCREW | ** | 177 lb-in |
| 4 | #10-24 x 7/16" SLOTTED HEX WASHER THREAD-FORMING SCREW | 2 | 30 lb-in |
| 5 | 3VA52 / 3VA62 HARDWARE KIT FOR P2 / P3, 1-PH / 3-PH (Kit No. BBKVA5262PHW) | 1 | N/A |
| 6 | NEUTRAL LUG ASSEMBLY | 1 | N/A |
| 7 | BREAKER ESCUTCHEON | 1 | N/A |
| 8 | MAIN LABEL | 2 | N/A |

KEY: * SEMS assembly screws have a captive washer on the screw
 ** (2) for 1Ø, (3) for 3Ø

Installation Instructions

The following instructions are for the installation of a Siemens main or subfeed breaker kit for Type **3VA52 (MFAS, HFAS or CFAS)**, Type **3VA61 (MDAE, HDAE or CDAE)** or Type **3VA62 (MFAE, HFAE or CFAE)** breakers in Revised P1 Panelboards. The kit may be installed as a main or a subfeed in panels rated 250 amps or less. For Revised P1 400A panels, it may be installed in subfeed applications **ONLY** (see Fig. 2). The parts provided enable connection to a 1-phase, 2 or 3-wire system with the use of kit **MBKVA5262A** or for connection to a 3-phase, 3 or 4-wire system with the use of kit **MBKVA5262B**. The breaker is **NOT** included with this kit and must be purchased separately. Be sure to choose the appropriate breaker for the system in use. For systems without neutrals, disregard the neutral connection instructions.

NOTE: Some main breaker kits may include this kit **AND** a breaker with the strap and barrier assembly attached. **White text on black background on these pages denote instructions specific to these particular kits (see list on front cover).** (For clarification, **DANGER** warning below applies to all.)

1. **Lock off all power supplying this equipment before working on it.**
2. Remove the deadfront.
3. Remove the Main / Subfeed lugs (if installed).
4. Review the details at the bottom of page 1 and the top of page 4. If these other parts are needed, order and install them prior to continuing.

For pre-installed breaker kits (list on page 1), skip the "Prepare the breaker" instructions

Prepare the breaker:

Refer to the Hardware Kit **BBKVA5262P2HW** (Item 5) instruction sheet (11-B-1050-01) for more detail, but use the torques on this instruction.

5. Locate the Breaker Hardware Kit (Item 5) and the breaker (**SOLD SEPARATELY**).
6. Select the proper nut keepers and slide them under each phase of the breaker stabs on the "ON"-side of the breaker. They "click" into place when properly inserted. (**See Fig. 3**)
NOTE: Hardware Kit includes two sets of Nut Keepers; one set for **3VA52** breakers and one set for **3VA61 / 3VA62** breakers.
7. Place a bus extension (part of Item 5) on top of each phase of the breaker stabs, with the smaller hole towards the breaker and with the anti-turn protrusions down. Loosely secure each phase with socket-head screws. Do not tighten at this time.

For installation as a main breaker:

(For 250A panels **ONLY**)

8. Position the Strap and Barrier Assembly (Item 1) at the **MAIN END** of the panel. (**See Fig. 1**) Ensure the straps are properly snapped into the barrier and then align them below the panel bus.
9. Loosely fasten the Strap and Barrier Assembly to the Base Rails with two #10-24 screws (Item 4) and the straps to the phase bus with 1/4"-20 SEMS screws (Item 2). Do not tighten at this time.

For pre-installed breaker kits (list on page 1), skip Steps 10, 11 and 12

10. Orient the breaker such that the "ON"-side (with Bus Extensions) fits onto the barrier carefully aligned with the two fins and bus straps. The "OFF"-side breaker mount holes are aligned with the inner inserts for 3VA52 breakers and outer inserts for 3VA61/3VA62 breakers. Breaker terminals 1, 3 & 5 and 2, 4 & 6 should align with the numeric markings on the barrier (**See Fig. 2**)
11. Loosely fasten the breaker "ON"-side to the Strap and Barrier Assembly using one 5/16"-18 screw (Item 3) for each strap.
12. Loosely fasten the breaker "OFF"-side to the Strap and Barrier Assembly using two #8-32 x 3" Breaker Mounting Screws (part of Item 5) and torque to **13.3 ± 1.8 lb-in**.
NOTE: Do not use any breaker mounting screws shipped with the breaker in this assembly.

13. Torque all connections to the values specified in these instructions or on the Hardware Tightening Torque label affixed to the rear of the deadfront.
14. For 1-phase 3-wire and 3-phase 4-wire systems, the Neutral Lug Assembly (Item 6) is required. The Neutral Lug Assembly arrives in the kit ready to assemble at any open corner. Install by positioning it below the neutral cross bus or the neutral lug pad, inserting the exposed stud through the appropriate hole and securing with the 1/4"-20 Belleville washer nut (part of Item 6).
15. Torque all connections to the values specified in these instructions or on the Hardware Tightening Torque label affixed to the rear of the deadfront.
16. Attach the main cables to the breaker and neutral terminal and torque connections to values specified on the device. If no values are listed on the device, refer to the device manual or the Hardware Tightening Torque label affixed to the rear of the deadfront.
17. Remove the blank filler or escutcheon installed on any deadfront opening in the area that will cover this kit. Install the Escutcheon (Item 7) provided with this kit into the front of the deadfront as shown. For detailed filler plate installation instructions, refer to instruction sheet **11-B-1061-01** (included in this kit).
18. For main breaker applications, apply the "MAIN" labels (Item 8) on the front of the deadfront, near the breaker escutcheon, as shown.
19. **Before energizing the panel, ensure that all connections have been properly torqued, the deadfront is installed and all fillers are in place.**

For installation as a subfeed breaker:

For pre-installed breaker kits (list on page 1), follow Steps 1-4, 8-9, 13-17 and 19.

20. Follow Steps 1 through 17, except that the kit must be installed at the feed-thru or subfeed end of the panel and any pre-existing assembly at that location must be removed prior to installation of this kit. In addition, do **NOT** install the "MAIN" labels (skip Step 18). **Finish with Step 19.**

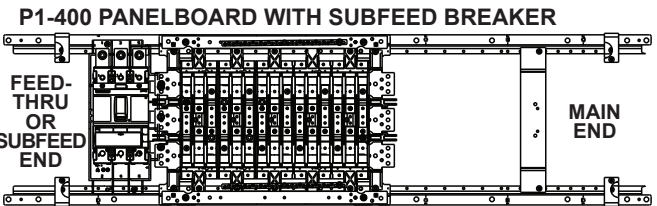


Fig. 4