

Instruction Bulletin

NF Panelboard 400 A Feed-Through Lug Kit Installation onto an NF Panelboard Class 1670

Retain for future use.

Introduction

This bulletin contains instructions for installing Square D® brand 400 A feed-through lug kits onto a Square D brand NF panelboard manufactured by Schneider Electric.

Safety Precautions

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

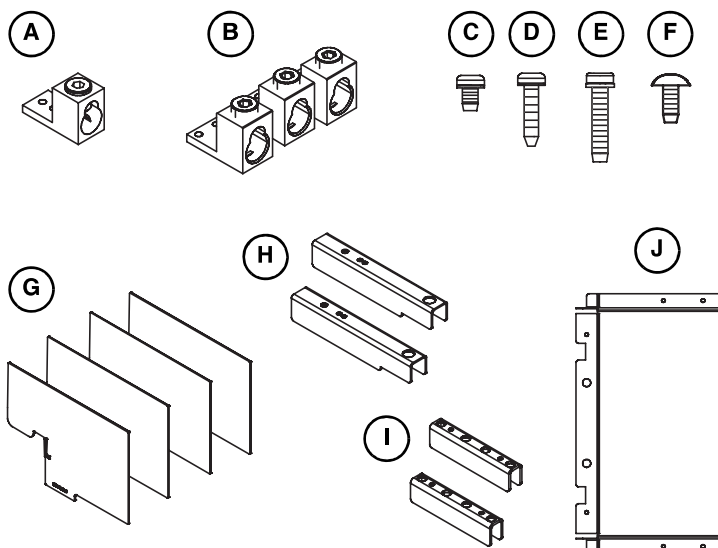
Failure to follow these instructions will result in death or serious injury.

Kit Contents

NF400FTL

- A. Neutral lug (1)
- B. Feed-through lugs (3)
- C. 10-32 x 5/16-inch tapping screws (4)
- D. 1/4-20 x 7/8-inch tapping screw (2)
- E. 1/4-20 x 1 1/8-inch tapping screws (6)
- F. 10-32 x 7/16-inch tapping screws (2)
- G. Barriers (4)
- H. Rail extensions (2)
- I. Rail splices (2)
- J. Cover extension (1)

NOTE: Kit contents not shown to scale.



Tools Needed

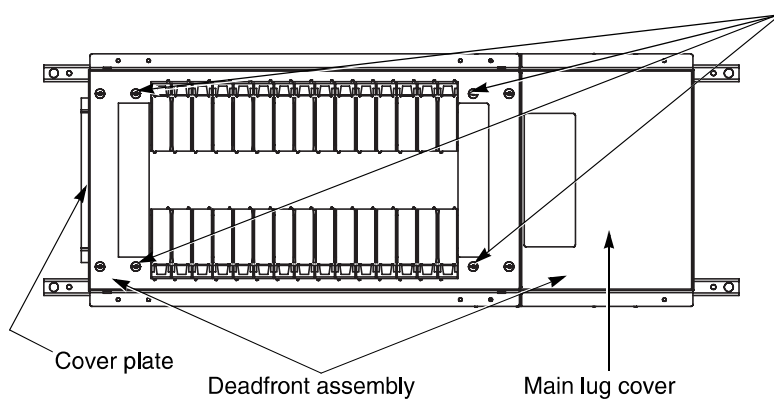


- #2 Square-head Robertson driver
- Torque wrench with 3/8-inch Allen driver
- Torque wrench with 5/32-inch Allen driver

Installing the Feed-Through Lug Kit



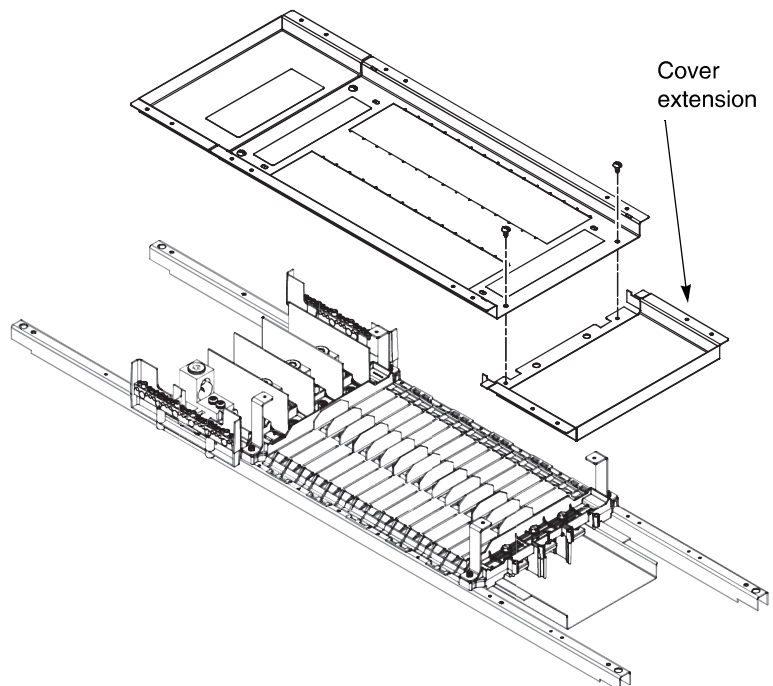
Turn off all power supplying this equipment before working inside the panelboard; follow all lockout/tagout procedures.



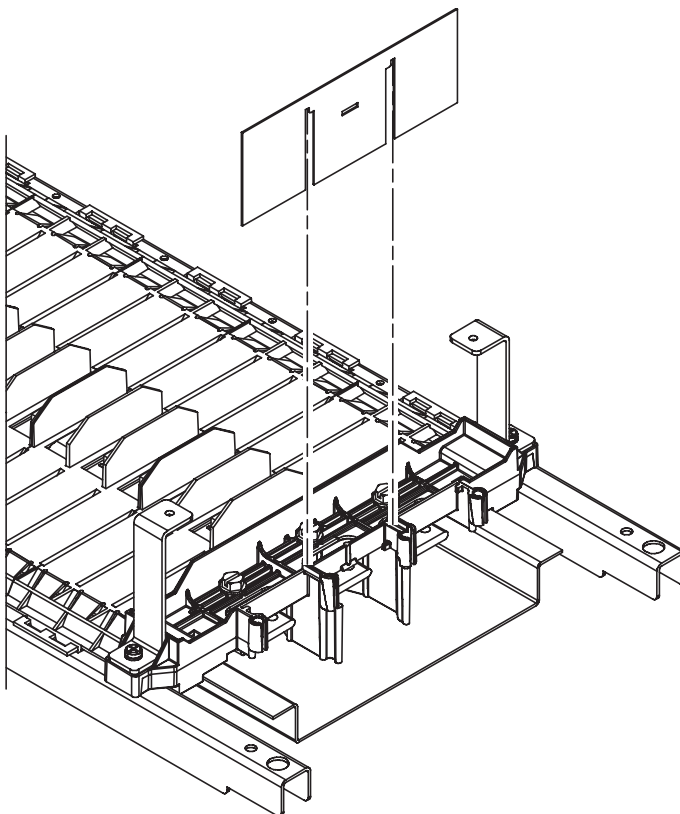
- 1 Remove the deadfront assembly. Retain the four screws for reuse.

- 2 Remove the cover plate opposite the mains end. Discard the screws and the cover plate.

- 3 Using the two 10-32 x 7/16-inch tapping screws in the kit, attach the cover extension supplied with the kit to the deadfront assembly, opposite the mains end, as shown in the graphic.



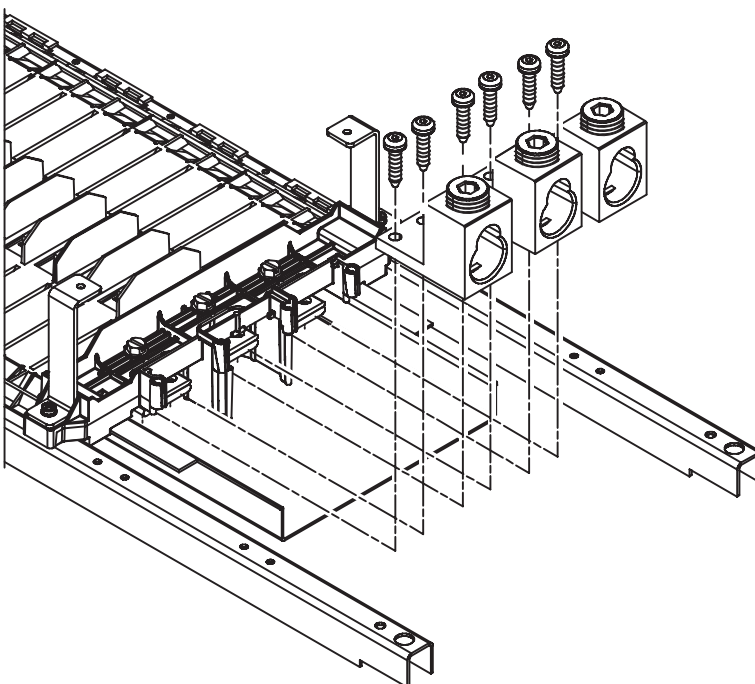
- 4** Unsnap and remove the barrier opposite the mains end. Discard the barrier.



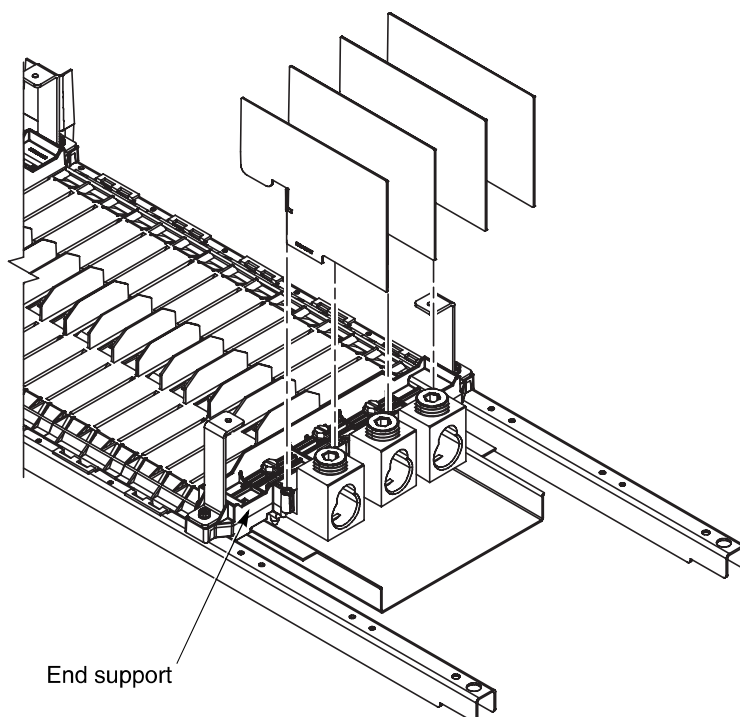
5 NOTE: Do not overtighten the screws.

Install the feed-through lugs included in the kit onto the ends of the panel bus bars, opposite the mains end, using the 1/4-20 x 1 1/8-inch tapping screws included in the kit. Tighten to 60–65 lb-in (6.8–7.3 N•m).

NOTE: Middle lug is installed for three-phase panels only.

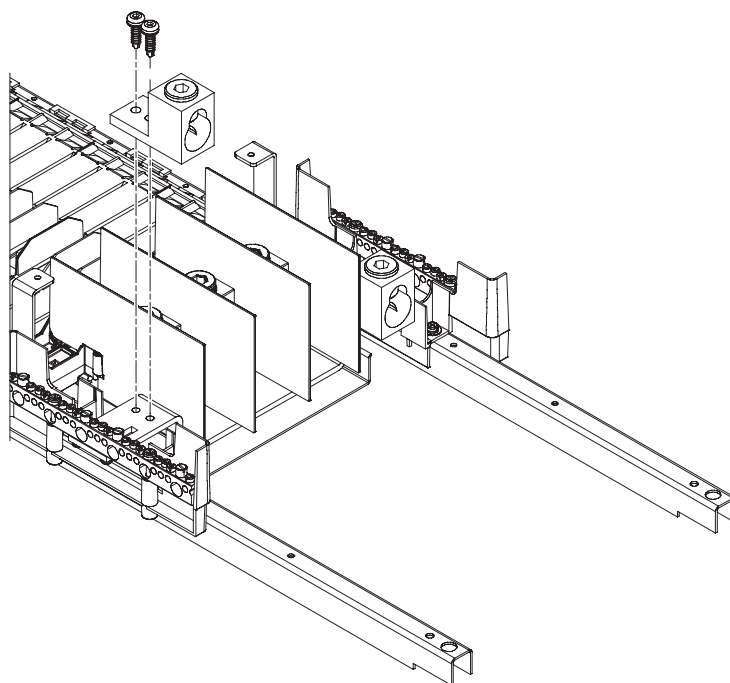


- 6** Install the vertical barriers included in the kit by snapping them onto the end support.

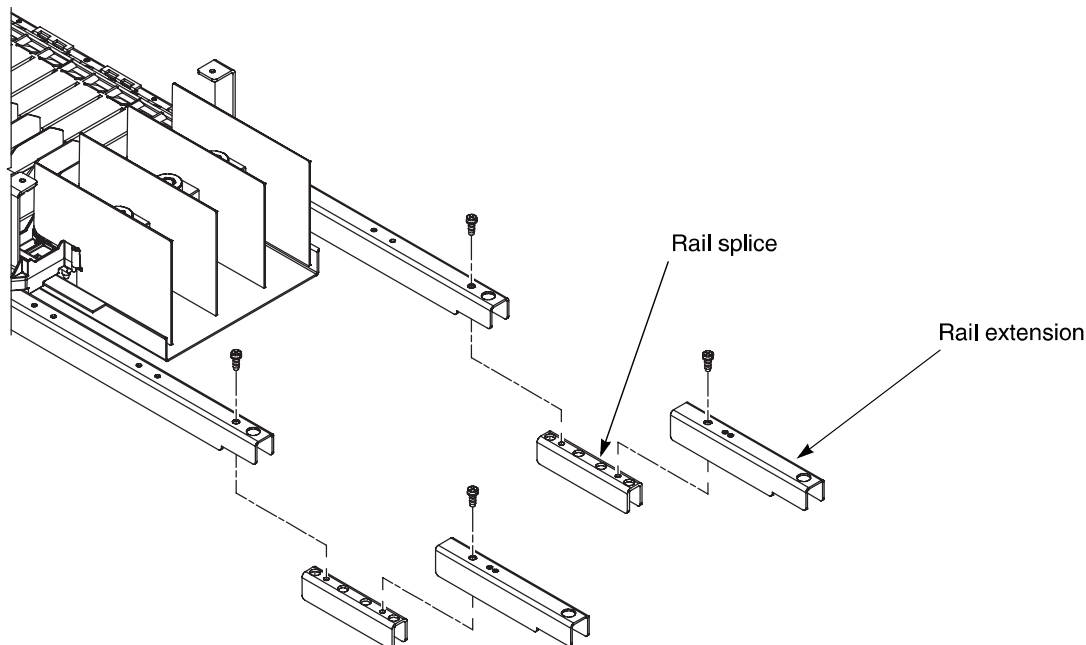


- 7** **NOTE: Do not overtighten the screws.**

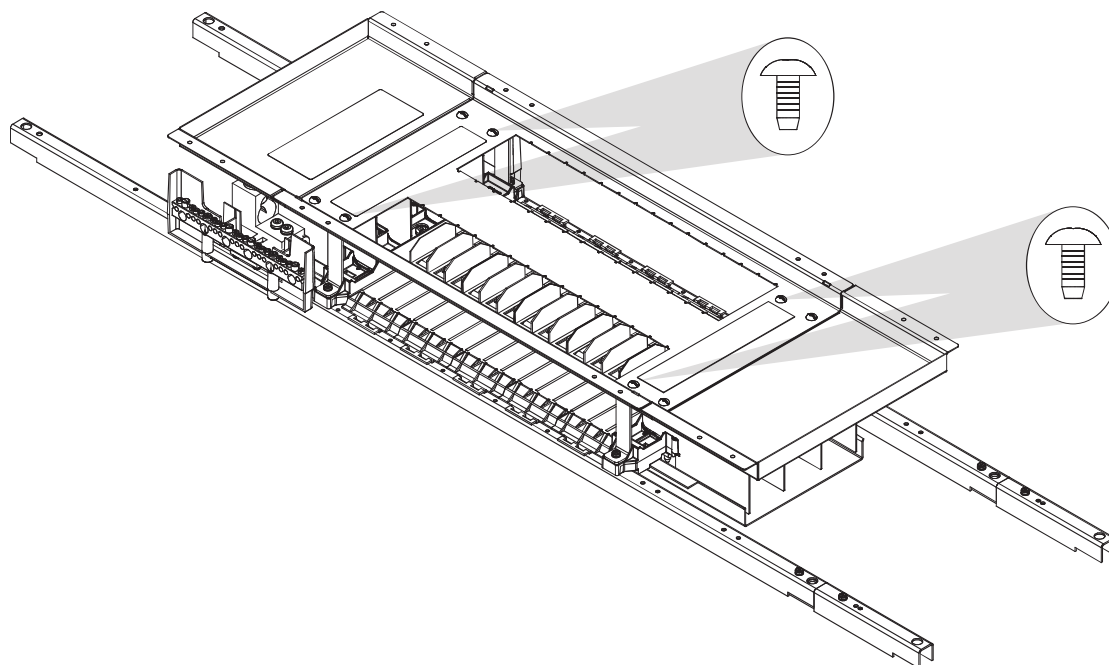
Install the neutral lug included in the kit to the neutral bar using two 1/4-20 x 7/8-inch tapping screws included in the kit. Tighten to 60–65 lb-in (6.8–7.3 N•m).



- 8** Install the rail extensions to the ends of the existing mounting rails, opposite the mains end, using the two rail splices and four 10-32 x 5/16-inch tapping screws included in the kit.



- 9** Remount the deadfront assembly using the screws retained from step 1.



For technical support on the installation of this kit, contact the Square D/Schneider Electric Customer Information Center at 1-888-SquareD (1-888-778-2733).

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