

100 and 225 A Sub-Feed Lug Kit Installation onto an NQ Panelboard



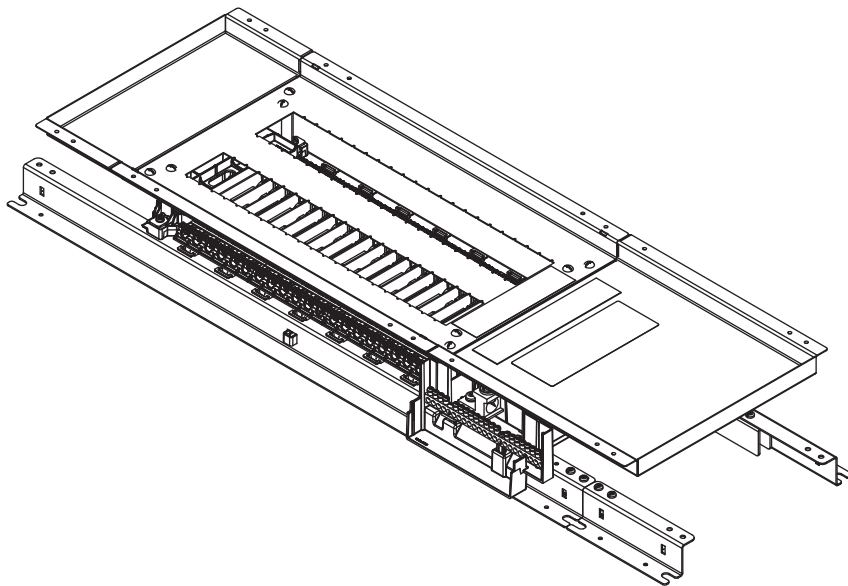
**Instalación de un accesorio de
zapatas de subalimentación de 100 y
225 A en un tablero de alumbrado NQ**

**Installation du kit de cosses de sous-
alimentation de 100 et 225 A dans un
panneau de distribution NQ**

Instruction Bulletin
Boletín de instrucciones
Directives d'utilisation

80043-729-01

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Conservar para uso futuro.
À conserver pour usage ultérieur.



Instruction Bulletin

100 and 225 A Sub-Feed Lug Kit Installation onto an NQ Panelboard

Class 1640

Retain for future use.

Introduction

This bulletin contains instructions for installing a Square D® brand 100 A or 225 A sub-feed lug kit onto a Square D brand NQ 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.

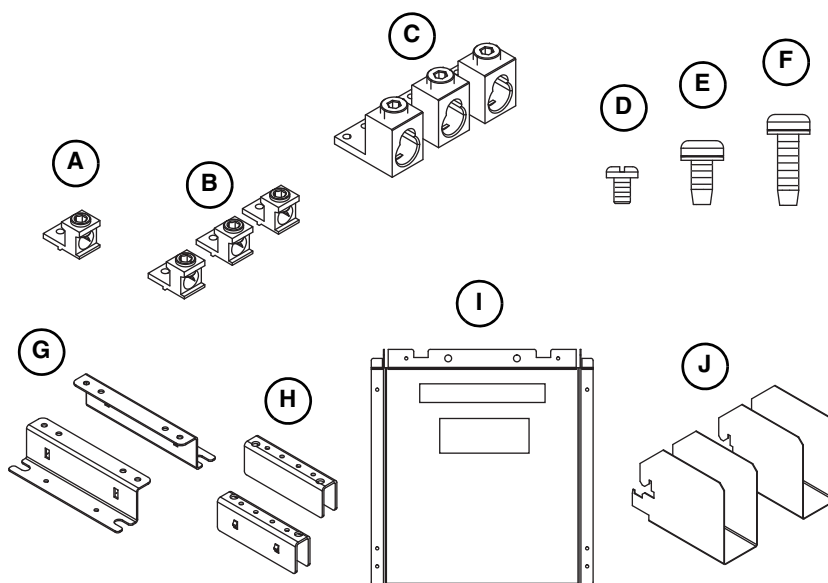
Failure to follow these instructions will result in death or serious injury.

Kit Contents

NQSFL1 and NQSFL2

- A. Neutral lug (1)
- B. **NQSFL1 kit only**—100 A Line lugs (3)
- C. **NQSFL2 kit only**—225 A Line lugs (3)
- D. **NQSFL2 kit only**—10-32 x 5/16-inch tapping screws (8)
- E. 1/4-20 x 9/16-inch tapping screw (1)
- F. 1/4-20 x 7/8-inch tapping screws (6)
- G. **NQSFL2 kit only**—Rail extensions (2)
- H. **NQSFL2 kit only**—Rail splices (2)
- I. **NQSFL2 kit only**—Main lug cover (1)
- J. **NQSFL2 kit only**—Lug barriers (2)

NOTE: Screws enlarged to show detail.



Tools Needed

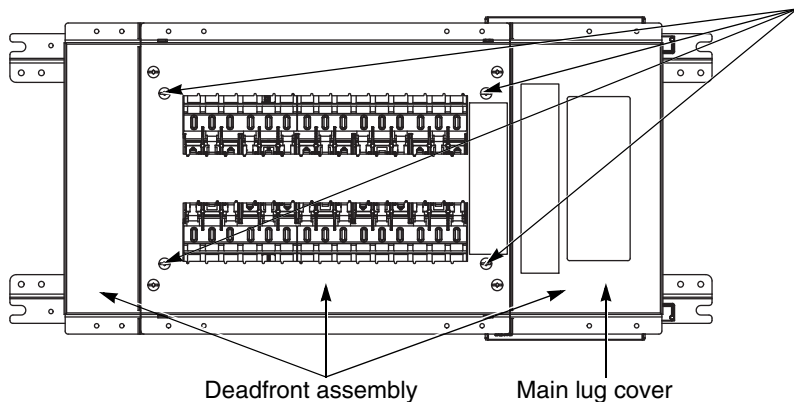


- #2 Square-head Robertson driver
- Torque wrench with 5/32-inch Allen driver (for 100 A kit)
- Torque wrench with 3/8-inch Allen driver (for 225 A kit)

Installing the Sub-Feed Lug Kit



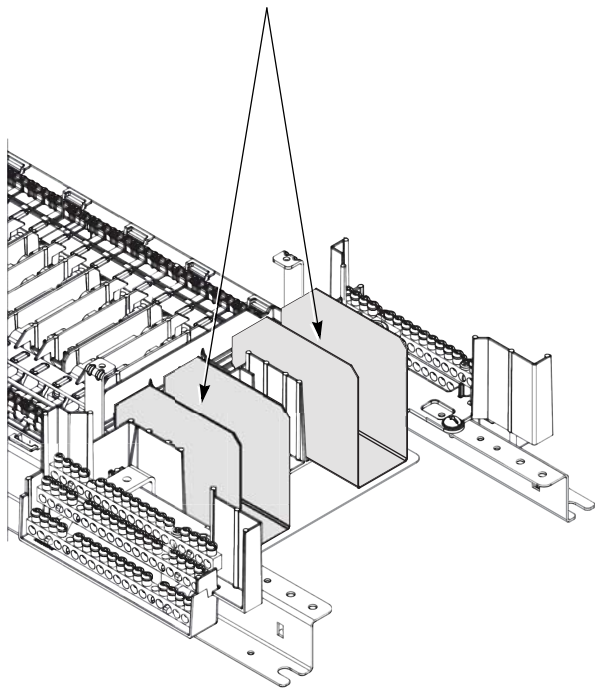
Turn off all power supplying this equipment before working inside the panelboard; follow all lockout/tagout procedures.



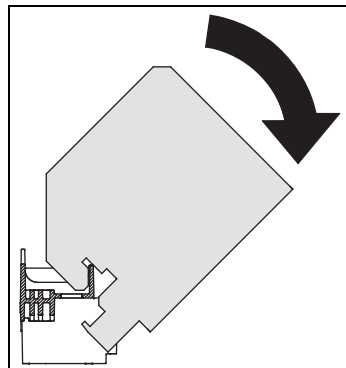
- 1** Remove the deadfront assembly. Retain the four screws for reuse.

- 2** Remove the line lugs from the panel bus. For **100 A** panel applications, retain the lugs for reuse and discard the screws. For **225 A** panel applications, discard the lugs and screws.

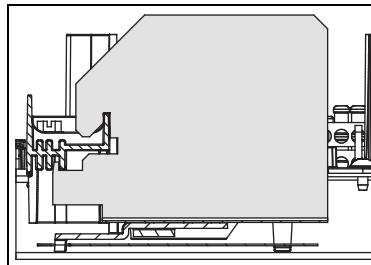
- 3** For **225 A**, assemble the plastic lug barriers included in the kit into the end support, one on "A" phase and one on "C" phase.



Barrier Rotates into Place



Barrier Installed



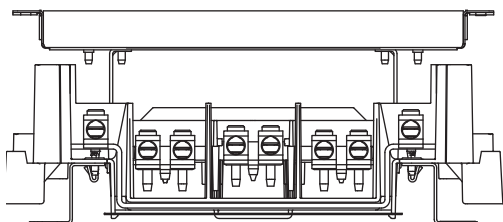
NOTE: For step 4 and step 5, do not overtighten the screws.

- 4** Install the line lugs included in the kit on the panel bus using the 1/4-20 x 7/8-inch tapping screws included in the kit. For **100 A**, add the lugs retained from step 2 (refer to 100 A graphic below) using the screws included in the kit. Tighten to 25–30 lb-in (2.8–3.4 N•m).

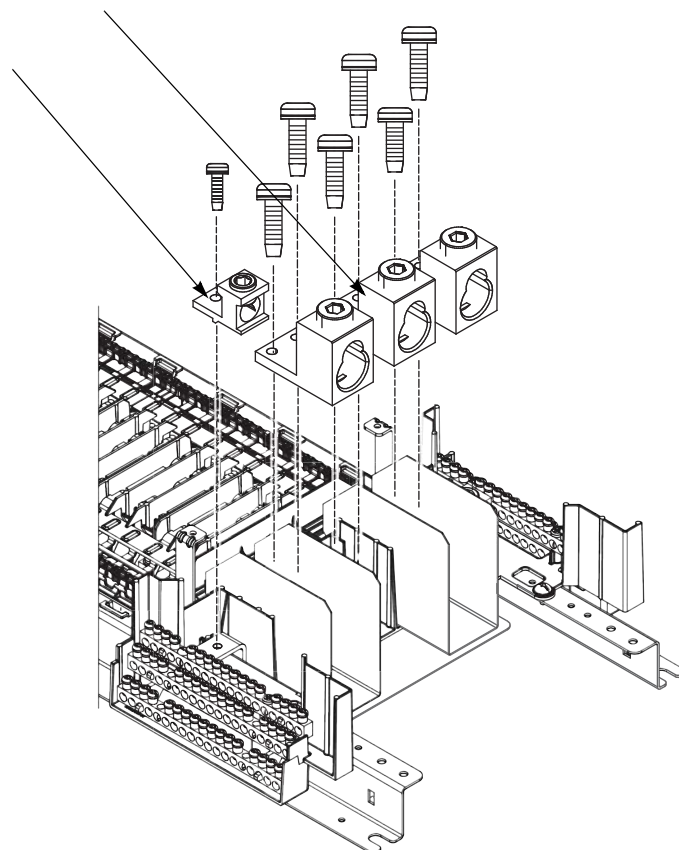
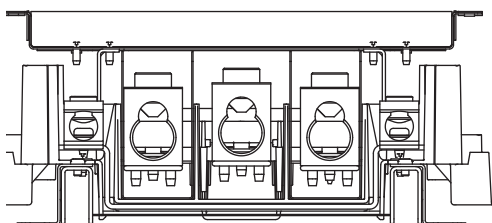
NOTE: Middle lug is installed for three-phase panels only.

- 5** Install the neutral lug included in the kit to the neutral bar using one 1/4-20 x 9/16-inch tapping screw included in the kit. Tighten to 25–30 lb-in (2.8–3.4 N•m).

100 A Lugs Installed

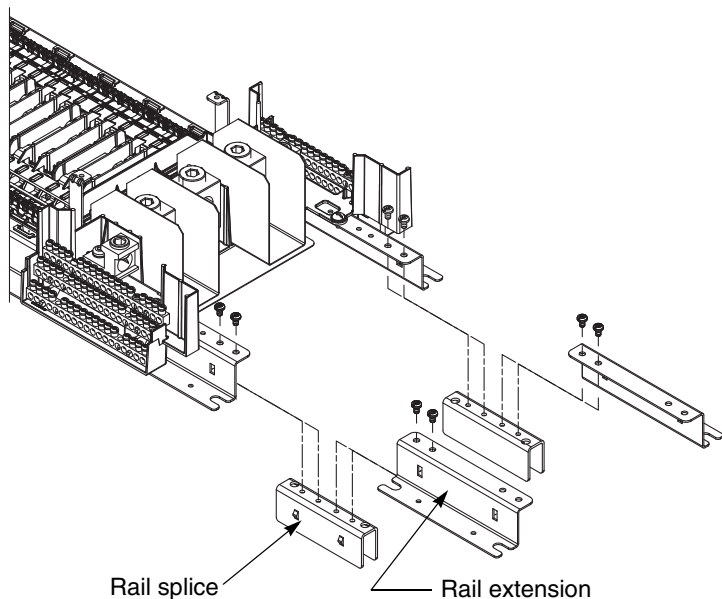


225 A Lugs Installed



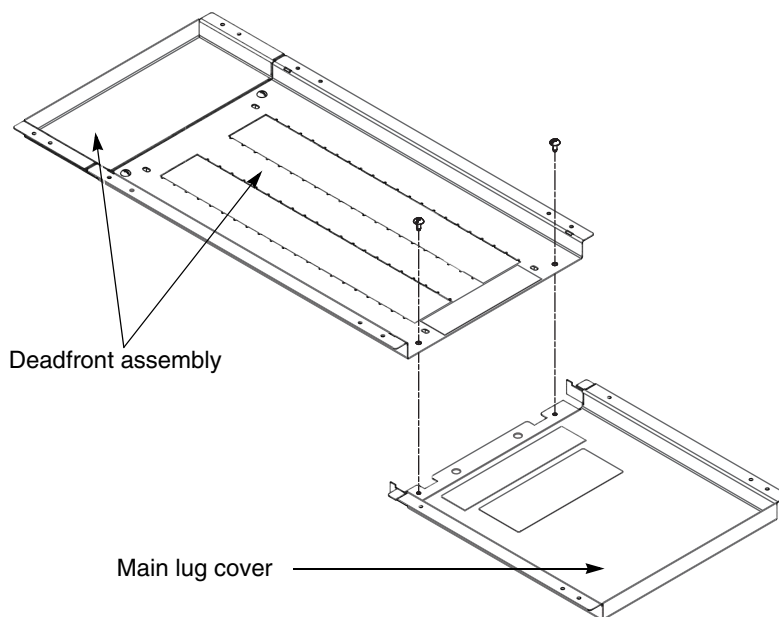
6 Additional step for a 225 A panelboard:

Install the rail extensions to the end of the existing mounting rail using rail splices and eight 10-32 x 5/16-inch tapping screws included in the kit.

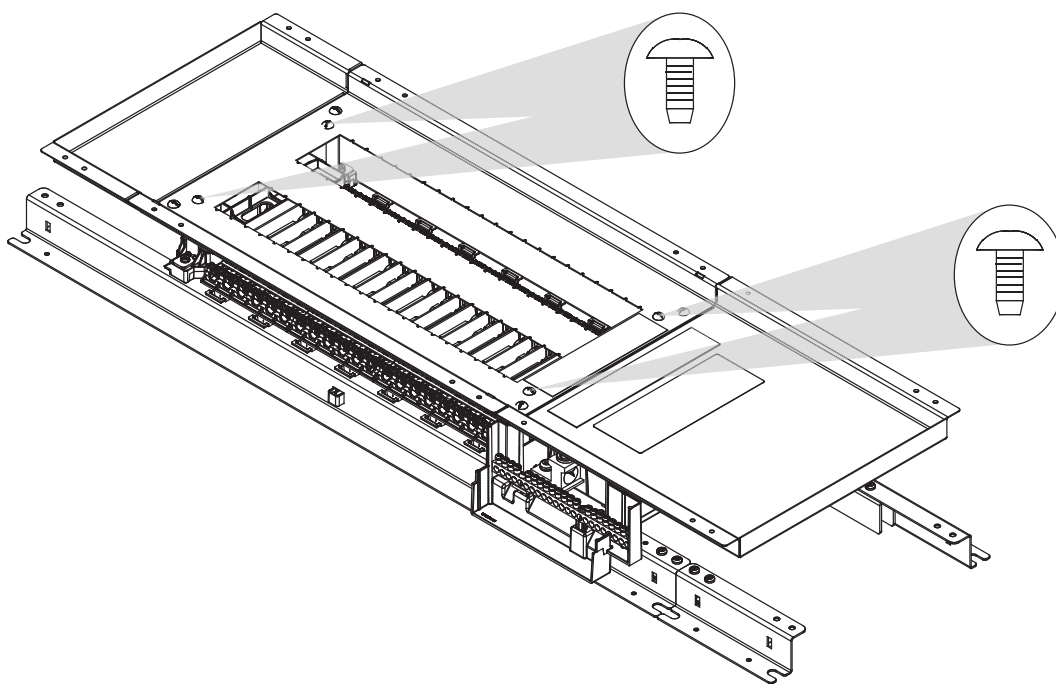


7 Additional step for a 225 A panelboard:

Remove the existing main lug cover (see step 1) and discard, but retain the two screws. Mount the main lug cover included in the kit using the two retained screws.



8 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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