



GEH3483

Neutral Kit

TNIJ61*, TNIJ62*, TNIJA62*. TNIJ63*, TNIJ64*, TNIJ66*



Hazards of electrical shock or burn! Turn off power before working inside this equipment.

Used with:

NEMA 4/4X, 5 and 12 Switches

Description:

The TNIJ Neutral kits are UL listed for use as insulated groundable neutrals.

Each kit provides the neutral strap assembly, mounted copper and aluminum lugs, necessary mounting hardware and a bonding screw.

The factory-supplied lugs are field-replaceable with crimp connectors. For a list of the replacement connectors, see the Switch Rating Label.

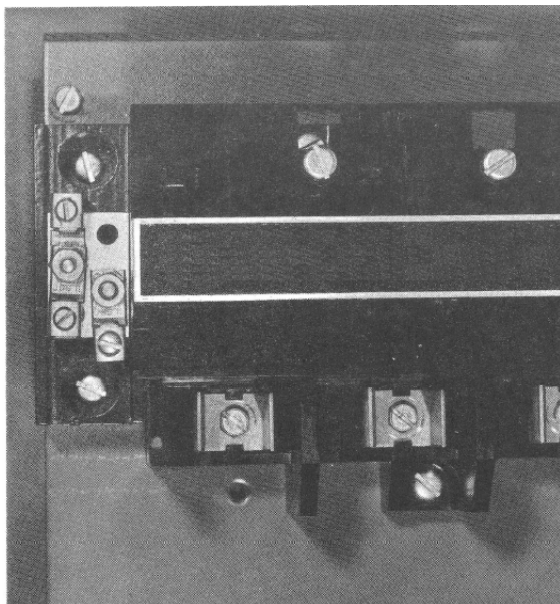


Fig. 1 TNIJ61* Installed

TNIJ61 – Use in 30Amp Fusible and No-Fuse Switches

The TNIJ61* mounts as shown in Fig. 1. Mounting and bonding screw holes are provided in the inner plate next to the switch base.

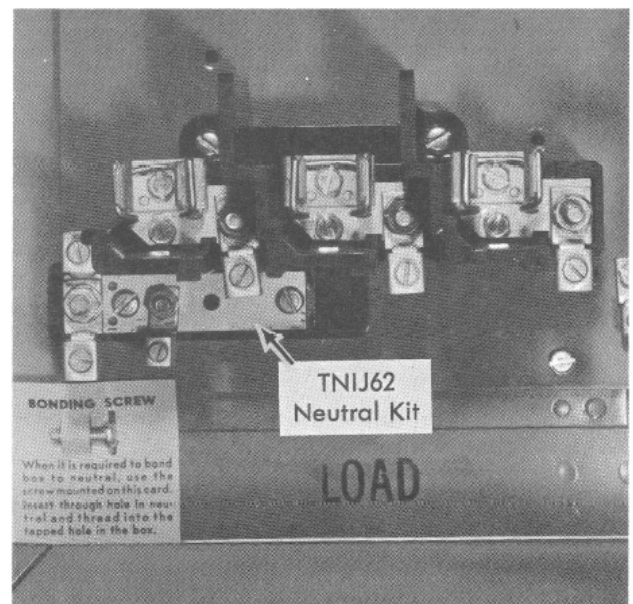


Fig.2 TNIJ62* Installed

TNIJ62 – Use in 60Amp Fusible Switches only

The TNIJ62* mounts on the fuse base as shown in Fig. 2.

Note: The fiber washers which hold the mounting screws to the neutral strap must remain in place when installing the neutral strap. **Do not remove the fiber washers.**

Note: * - Applicable for UL Recognized catalog numbers with UR suffix also.

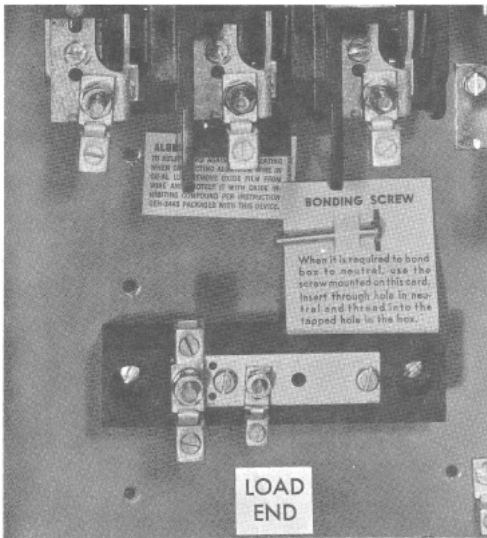


Fig.3 TNIJA62* Installed

TNIJA62* - Use in 60Amp No-Fuse Switches only

The TNIJA62* mounts as shown in Fig. 3. Mounting holes are provided at the load end of the inner plate.

TERMINAL TIGHTENING INFORMATION

TIGHTENING TORQUE FOR SLOTTED HEAD SCREWS	
WIRE SIZE	TORQUE (IN-LBS)
14-10	35
8	40
6-4	45
3-1/0	50

TIGHTENING TORQUE FOR INTERNAL SOCKET HEAD SCREWS

SOCKET SIZE ACROSS FLATS	TORQUE (IN. LBS.)
1/8	45
5/32	100
3/16	120
7/32	150
1/4	200
5/16	275
3/8	375
1/2	500

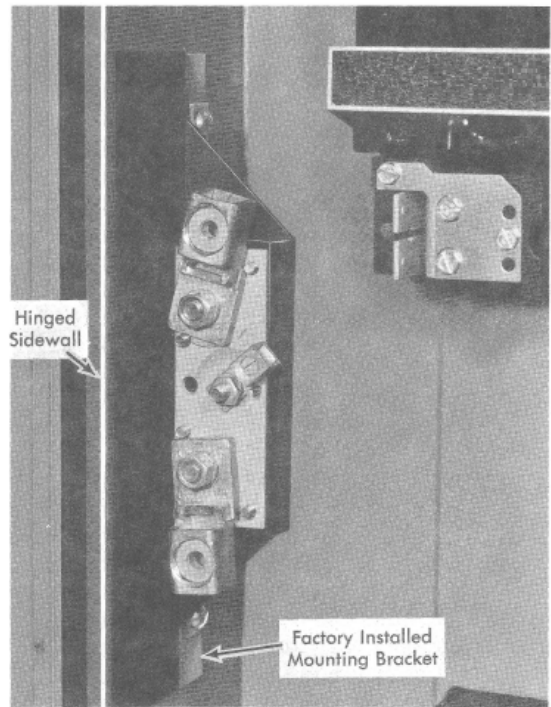


Fig.4 Typical 100-600A Kit Installed

TNIJ63* - Use in 100Amp Fusible and No-Fuse Switches

TNIJ64* - Use in 200Amp Fusible and No-Fuse Switches

TNIJ66* - Use in 400 & 600Amp Fusible and No-Fuse Switches

The 100Amp through 600Amp Neutral kits mount to the hinged sidewall of the switch enclosures, as shown in figure 4. A bracket is provided in each switch to which the neutral kit is mounted.

Note: * - Applicable for UL Recognized catalog numbers with UR suffix also.