



WARNING

BEFORE INSTALLATION, ENSURE THAT SYSTEM BATTERIES ARE DISCONNECTED AND NO LIVE VOLTAGE IS PRESENT. BE SURE TO ADHERE TO YOUR FACILITY'S LOCKOUT/TAGOUT PROCEDURES AND PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS. EYE, HAND, AND TOE PROTECTION ARE RECOMMENDED AT A MINIMUM FOR INSTALLATION OR SERVICE.

N2013 Battery Isolator Installation

CEN model N2013 Battery Isolator is a passive device designed to allow two batteries/battery packs to be charged at the same time while staying isolated from each other. This prevents one battery/battery pack from depleting the other when at a low state of charge.

N2013 Battery Isolator also has an integrated voltage filter on the input circuit.

Follow these instructions to ensure proper installation of N2013 Battery Isolator. See Figure 1 for mounting/ground points and input/output terminal locations. See Figures 2 and 3 for input/output terminal hardware stacking sequences.

1. Mount N2013 on suitable flat metal surface where mounting points can be securely fastened. Mounting holes are sized for M10 or 3/8 in. screws/bolts. Hardened washers should be used between aluminum surface and bolt heads. Torque to vehicle manufacturer's specification.

2. Connect suitable ground strap/cable from N2013 isolator ground point (GND) to vehicle chassis or B- circuit (if isolated ground system) as required by application. See Figure 2 for hardware stacking sequence. Torque to 15 Nm/11 lb. ft.
3. Connect cable(s) from alternator's output terminal (or other power source if applicable, depending on application) to ALT terminal on N2013. See Figure 3 for hardware stacking sequence. Torque to 30 Nm/22 lb. ft.
4. Connect cable(s) from vehicle's main, AUTO, or SLI (starting, lighting, ignition) battery pack to N2013 isolator STRT terminal. See Figure 3 for hardware stacking sequence. Torque to 30 Nm/22 lb. ft.
5. Connect cable(s) from vehicle's auxiliary battery pack to N2013 isolator AUX terminal. See Figure 3 for hardware stacking sequence. Torque to 30 Nm/22 lb. ft.

NOTICE

Wire gauge for input/output cables must be capable of handling maximum circuit input/output current with minimum voltage drop. All cables must be supported within 305 mm (12 in.) to prevent twisting, loosening, and damage to terminals.

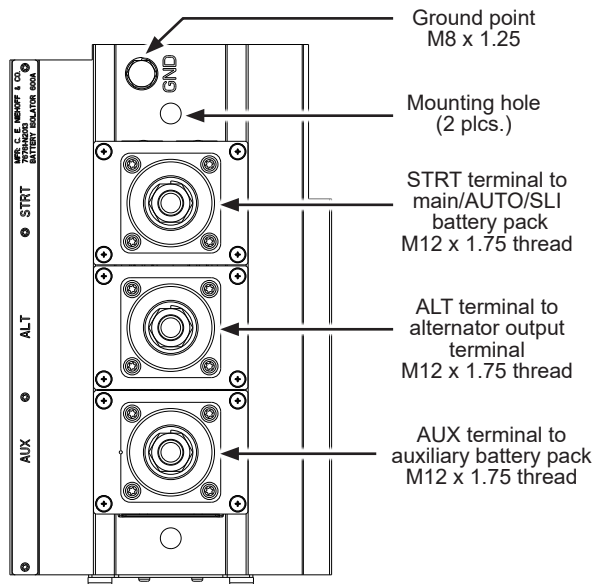


Figure 1: N2013 Installation/Connections

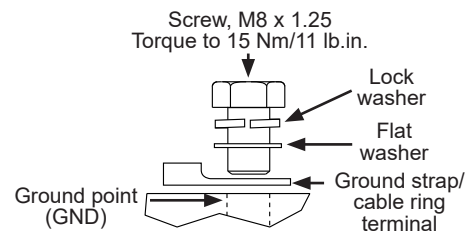


Figure 2: GND Terminal Stacking Sequence

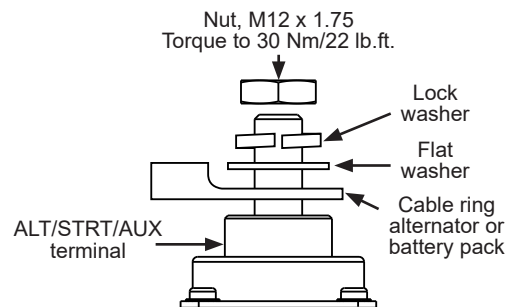


Figure 3: ALT/STRT/AUX Terminal Stacking Sequence

If you have questions about your alternator or any of these instructions, or if you need to locate a Factory Authorized Service Distributor, please contact us at:
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