C.E. Niehoff & Co.

N1610-1 Alternator / N3247 Regulator

28/14 V or 28 V Wiring Connections

Installation Instructions

28/14 V applications

(see other side for 28 V): Connect as shown on this page. Boots (2) Locknut, #10-24; torque to 3.4 Nm / 30 lb.in. Locknut, 0.250-20; torque to 3.4 Nm / 30 lb.in. Washer - Washer Regulator - AC terminal Regulator - IGN terminal Alternator connector J1939 connector **Boot** AC connector Vehicle harness Regulator - 14 V terminal Washer Nut, 0.312-18 UNC-2B; torque to 5.6 Nm / 50 lb.in. Figure 1a - N3247 Regulator Wiring Connections Figure 1- N1610-1 Alternator

B+ connections on alternator

Bolt, 0.3750-16 UNC-2A; torque to 20 Nm / 15 lb.ft. when securing positive cable of suitable size for output power. Both positive cables must be connected together at battery positive potential when alternator is installed in vehicle and during operation. Cable as shown must be used as part of vehicle cabling.

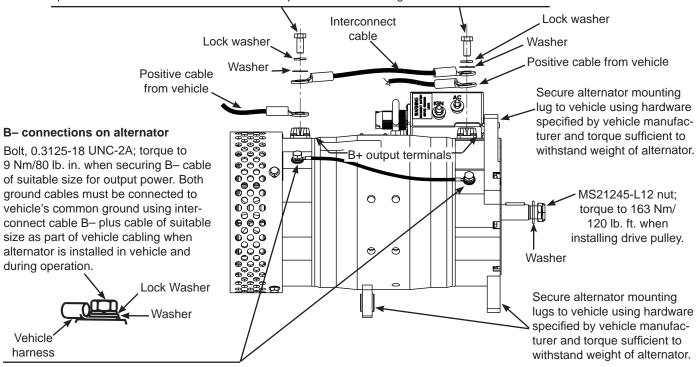


Figure 1b - B+ and B- Terminal Connections

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28V applications

(see other side for 28/14 V): Connect as shown on this page. Boots (2) Locknut, #10-24; torque to 3.4 Nm / 30 lb.in. Locknut, 0.250-20; torque to 3.4 Nm / 30 lb.in. Washer - Washer Regulator - AC terminal Regulator - IGN terminal Alternator connector J1939 connector AC connector Regulator - 14 V terminal Washer Nut, 0.312-18 UNC-2B; torque to 5.6 Nm / 50 lb.in. Figure 2a - N3247 Regulator Wiring Connections Figure 2- N1610-1 Alternator

B+ connections on alternator

Bolt, 0.3750-16 UNC-2A; torque to 20 Nm / 15 lb.ft. when securing positive cable of suitable size for output power. Both positive cables must be connected together at battery positive potential when alternator is installed in vehicle and during operation. Cable as shown must be used as part of vehicle cabling.

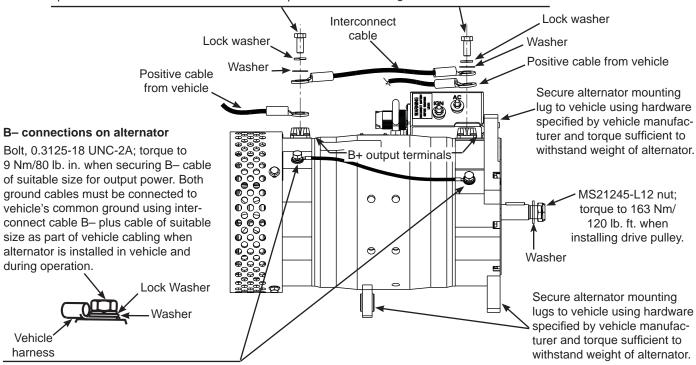


Figure 2b - B+ and B- Terminal Connections

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