

Source: Prestolite Electric Leece Neville Heavy Duty Systems

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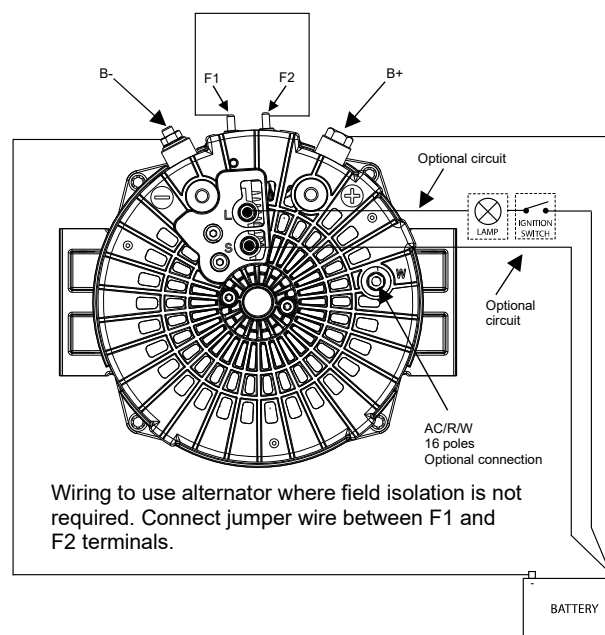
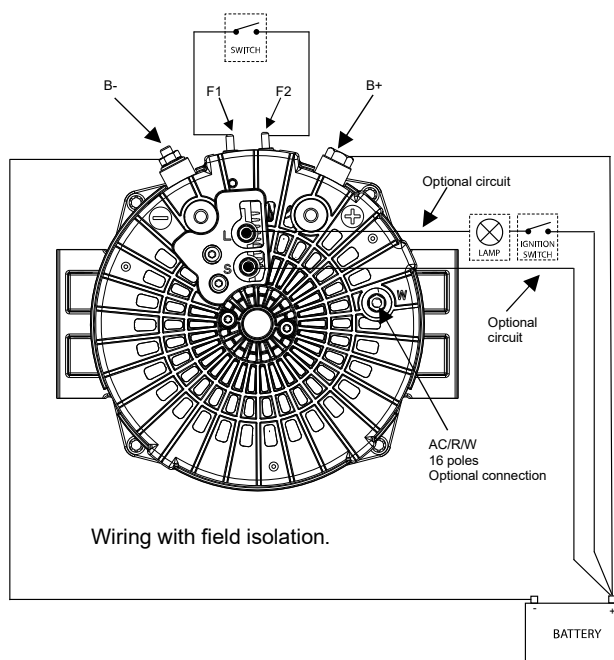
Models: BLP4000 with field isolation

Subject: Wiring Diagram



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Wiring diagram for BLP4000 series alternators with field isolation.



Field isolation: Gives the customer the ability to disable the alternator while the engine is operating.

Alternator is self-excite.

Alternator grounding is insulated return.

Sense (S) terminal:

- 1) Will not work on diode type battery isolators
- 2) Voltage setpoint 14.2V with or without sense terminal connected.
- 3) Do not ground S terminal. **Regulator will be damaged.**
- 4) Connection to S terminal optional.

Lamp (L) terminal:

- 1) The (L) terminal can function as either a high side relay driver or a low side lamp driver.
- 2) The (L) terminal can supply up to 100m Amp current for driving relays.
- 3) The (L) terminal can sink up to 1 Amp lamp current.
- 4) Lamp rating 3W 0.25A Max.

Field F1 / F2 terminals:

- 1) Maximum circuit current 9A.
- 2) If field isolation is not required connect jumper wire between F1 and F2 terminals.

Terminal Torque Requirements

B+	7.2 - 4.8 Nm
B-	7.2 - 4.8 Nm
L	2.0 - 2.5 Nm
S	2.0 - 2.5 Nm
W	2.0 - 2.5 Nm
F1/F2	1.0 - 1.3 Nm

Important: The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume that this information applies to your equipment. If you have any questions regarding this information please visit our website at www.prestolite.com, or contact our technical service department at:

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