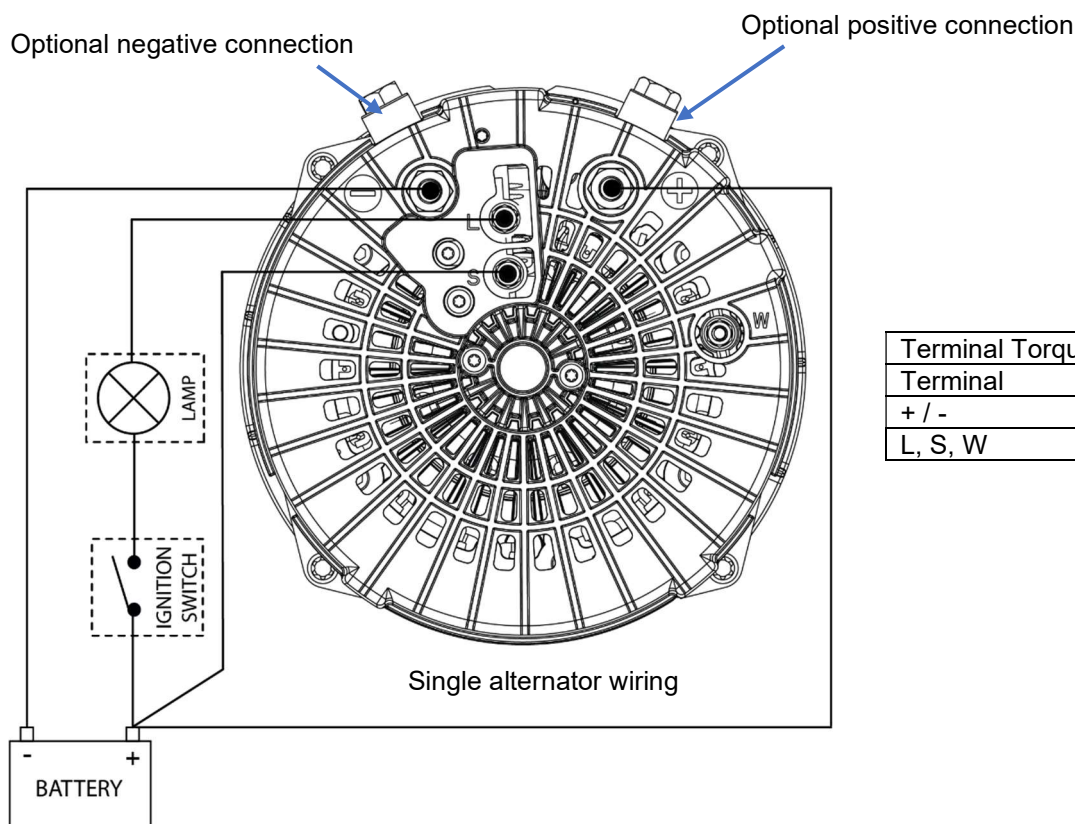


**Source:** Prestolite Electric Leece Neville Heavy Duty Systems  
**Bulletin No:** TWB-0101 **Date:** October 31, 2023  
**Models:** 24V BL4000 series  
**Subject:** Wiring Diagram



techservice@prestolite.com

## 24V BL4000 Series wiring diagram.



Terminal Torque Requirements	
Terminal	Torque
+ / -	6 +/- 1.2 Nm
L, S, W	2.0-2.5 Nm

**Excitation:** Self excite.

**Ground:** Insulated return.

**Lamp (L) Circuit:** Lamp circuit can operate a relay not exceeding a current draw of 100mA from the relay coil. The lamp feature is a dual function high side/ low side switch. Connection not required for operation.

**Sense (S):** Operation voltage 28.4 with or without sense terminal connected. Connection not required for operation.



Sense circuit will not work with diode type battery isolators. Do not ground sense terminal. Regulator will be damaged.

**W:** AC / W /R connection 16 pole. Connection not required.

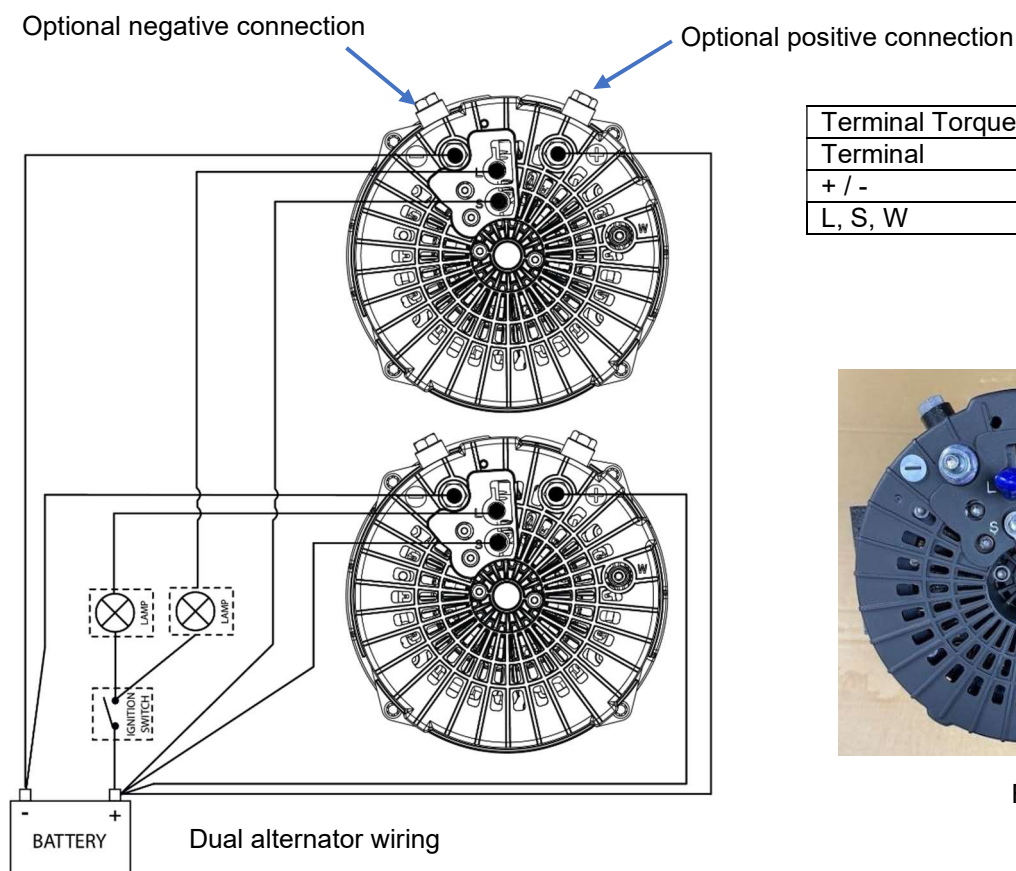
**Important:** The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume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

**Technical Service:** [techservice@prestolite.com](mailto:techservice@prestolite.com)



Bulletin No: TSB-0101

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Terminal Torque Requirements	
Terminal	Torque
+ / -	6 +/- 1.2 Nm
L, S, W	2.0-2.5 Nm



Fig 1

**Excitation:** Self excite.

**Ground:** Insulated return.

**Lamp (L) Circuit:** Lamp circuit can operate a relay not exceeding a current draw of 100mA from the relay coil. The lamp feature is a dual function high side/ low side switch. Connection not required for operation.

**Sense (S):** Operation voltage 28.4 with or without sense terminal connected. Connection to sense terminals is required for alternators to load share. If the remote sense terminals are not used in the application a (A049104702S) jumper wire is required between the alternator's (+) and (S) terminals. See (Fig 1) This wire will need to be purchased separately.



Sense circuit will not work with diode type battery isolators. Do not ground sense terminal. Regulator will be damaged.

**W:** AC / W /R connection 16 pole. Connection not required.

**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](http://www.prestolite.com), or contact our technical service department at:



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