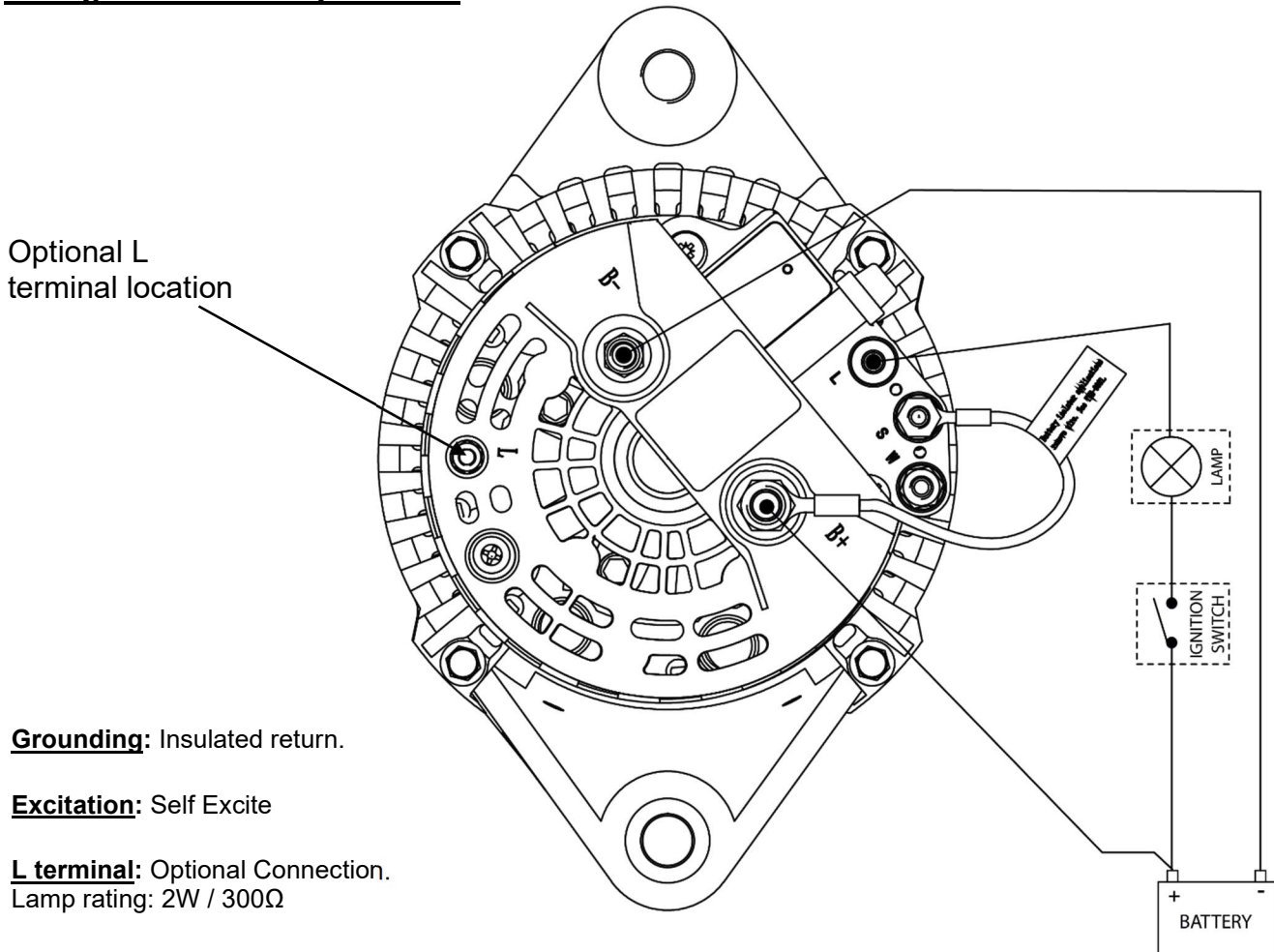


**Source:** Prestolite Electric Leece Neville Heavy Duty Systems  
**Bulletin No:** TWB-0091 **Date:** January 10, 2024  
**Models:** AVI143J3004E  
**Subject:** Wiring Diagram



techservice@prestolite.com

**Wiring without battery isolator.**



**Grounding:** Insulated return.

**Excitation:** Self Excite

**L terminal:** Optional Connection.  
Lamp rating: 2W / 300Ω

**S terminal:** Required connection.

**⚠** Connection between B+ and S terminals required for operation.  
If connection is removed, alternator will stop charging.

**W terminal:** Optional connection. 12 poles.

Terminal	Torque
B+ (M8)	8 +/- 0.5Nm
B- (M6)	5.6 +/- 0.3 Nm
S, L, W (M5)	3.5 +/- 0.3 Nm

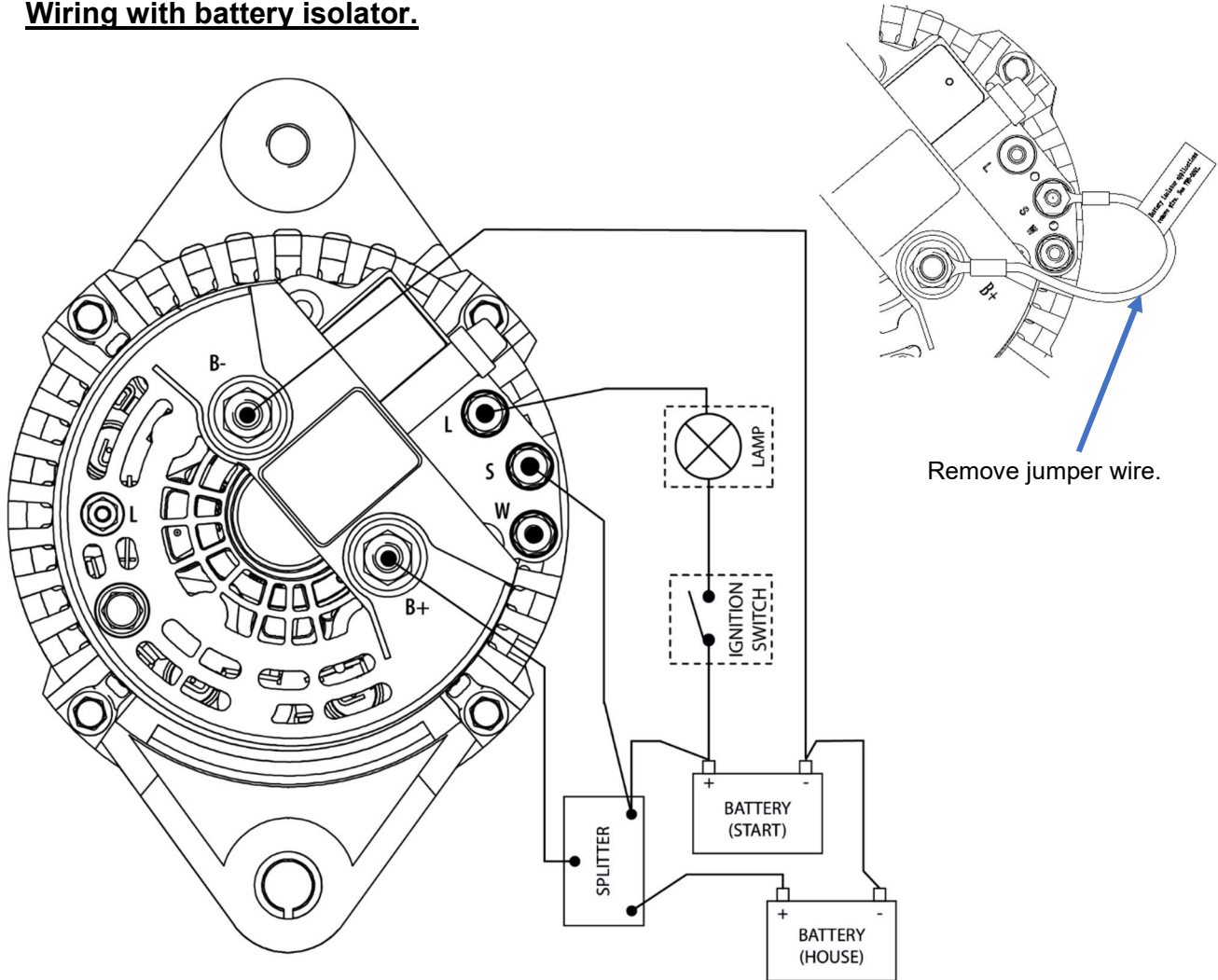
**Important:** The information contained in this bulletin is intended for use by trained, professional technicians who have the proper tools, equipment, and training to perform the required maintenance described above. This information is NOT intended for 'do-it-yourselfers', and you should not assume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



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