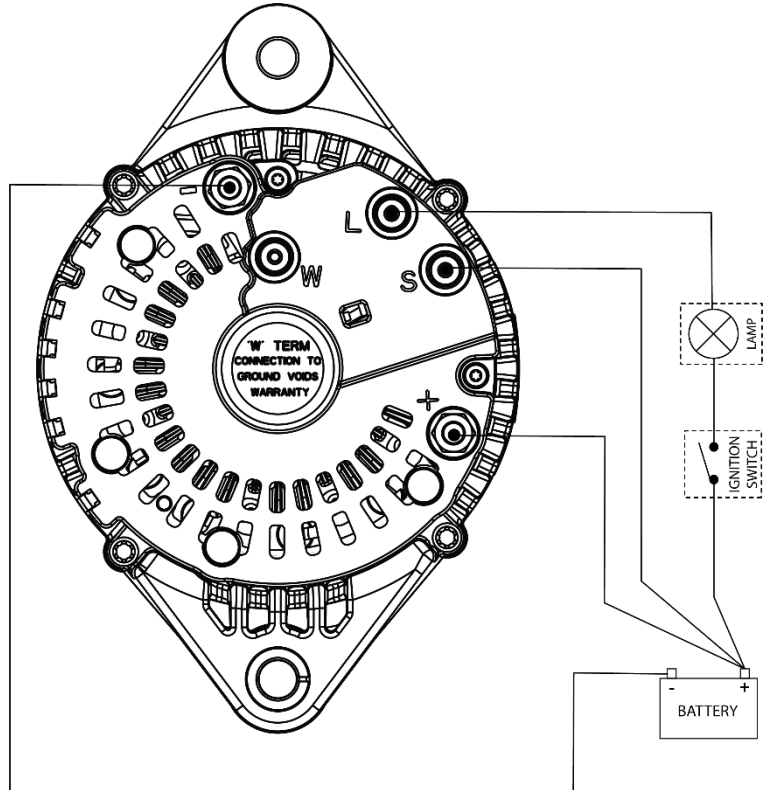


Source: Prestolite Electric Leece Neville Heavy Duty Systems
Bulletin No: TWB-0112 **Date:** July 22, 2024
Models: AVI160J
Subject: Wiring Diagram



techservice@prestolite.com



Grounding: Insulated return.

Excitation: Self Excite

L terminal: Optional Connection.
Lamp rating: 3W

⚠ See chart on page two for operation parameters.
Terminal is not a source for excitation.

S terminal: Optional Connection.

⚠ Not compatible with battery isolators.

W terminal: Optional connection. 12 poles.

⚠ Do not connect or short terminal to ground.
Regulator will be damaged.

Terminal	Torque
B+ B- (M8)	11.25 +/- 2.25 Nm
S, L, W (M5)	2.0 - 2.5 Nm

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Determine correct revision level to determine function of alternator L terminal. See fig 1.

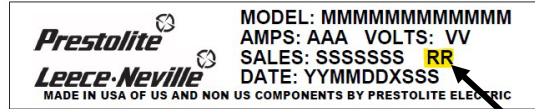


Fig 1

Revision Level

Low Side: Provides a path to ground only when not operating.

High / Low Side: Provides a voltage while operating and a path to ground when not operating.

Model	Sales	Revision Level	Lamp Function High Side / Low Side	Revision Level	Lamp Function High Side / Low Side
AVI160J2004	A160204	H and higher.	High Side / Low Side	G and lower.	Low Side
AVI160J2008	A160208	H and higher.	High Side / Low Side	G and lower.	Low Side
AVI160J2011	A160211	E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160J2014	AVI2800J	E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160J2027C		D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160J2027C1		D and higher.	High Side / Low Side	C and lower.	Low Side

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