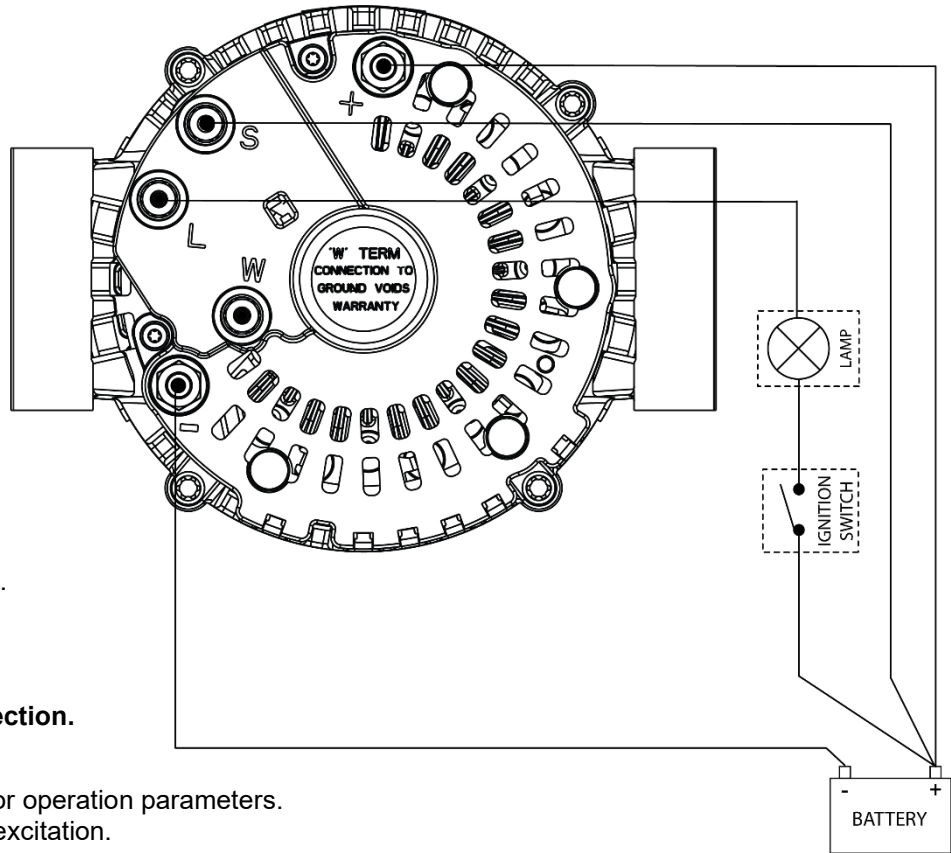


**Source:** Prestolite Electric Leece Neville Heavy Duty Systems  
**Bulletin No:** TWB-0111 **Date:** July 18, 2024  
**Models:** AVI160P  
**Subject:** Wiring Diagram



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.

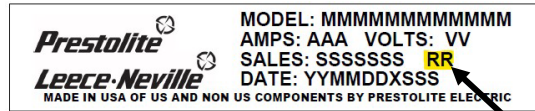


Fig 1

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
AVI160P2003	A160203	H and higher.	High Side / Low Side	G and lower.	Low Side
AVI160P2003-2		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2003-3		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2003-4		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2003-5		D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2003-6		D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2003B		B and higher.	High Side / Low Side	Rev A.	Low Side
AVI160P2003N		F and higher.	High Side / Low Side	E and lower.	Low Side
AVI160P2007	A160207	G and higher.	High Side / Low Side	F and lower.	Low Side
AVI160P2007-1		D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2007-2		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2007-3		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2007-4		E and higher.	High Side / Low Side	D and lower.	Low Side
AVI160P2007-6		D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2007A		C and higher.	High Side / Low Side	B and lower.	Low Side
AVI160P2007B		B and higher.	High Side / Low Side	Rev A.	Low Side
AVI160P2007N		F and higher.	High Side / Low Side	E and lower.	Low Side
AVI160P2010	A160210	D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2010-2		C and higher.	High Side / Low Side	B and lower.	Low Side
AVI160P2010-3		C and higher.	High Side / Low Side	B and lower.	Low Side
AVI160P2010-4		C and higher.	High Side / Low Side	B and lower.	Low Side
AVI160P2010-6		C and higher.	High Side / Low Side	B and lower.	Low Side
AVI160P2010B		B and higher.	High Side / Low Side	Rev A.	Low Side
AVI160P2012	AVI2800P	D and higher.	High Side / Low Side	C and lower.	Low Side
AVI160P2012N		F and higher.	High Side / Low Side	E and lower.	Low Side
AVI160P2013N		G and higher.	High Side / Low Side	F and lower.	Low Side

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