

Higher Voltage During High Humidity or Wet Conditions

Service Update #25-0514



High Voltage Errors When Humid/Wet on L-N Model “HAB”

Blue Bird 280 AMP – Part #10044860

Recently we have had reports where units are experiencing High Voltage errors, especially when they have sat over a weekend in the recent Monsoons!

Working with Blue Bird and Leece-Neville, we found that it has been noted through Leece-Neville that if the “remote sense” terminal is not used that adding a jumper wire (#A049104702S) from that terminal to the B+ terminal will correct the condition.

Please see the attached “Technical Service Bulletin” (TSB-1224) from Leece-Neville.

UPDATE 6/30/2026: We recently were made aware that this update could be used on any of the AVI160 model alternators experiencing the issues with High Voltage errors caused by excessive humidity.

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Heavy Machinery website](#)

Source: Prestolite Leece-Neville Heavy Duty Systems
Bulletin No: TSB-1224 **Date:** March 01, 2023
Models: HAB (Idle Pro Extreme) 12V alternators
Subject: Intermittent high voltage readings when remote sense is not used.



techservice@prestolite.com

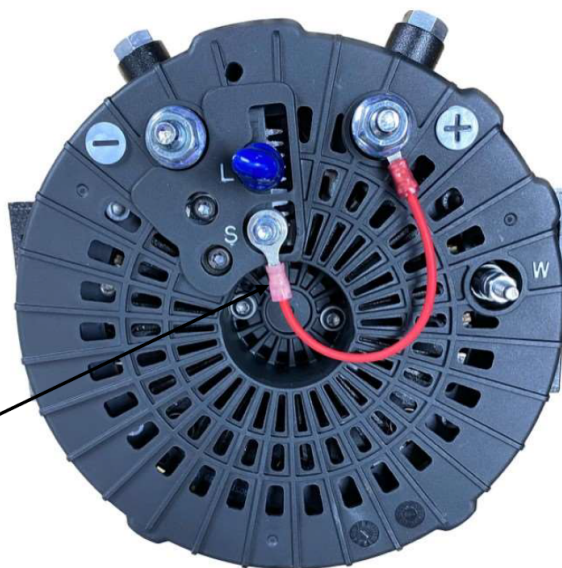
If you are experiencing the alternator operating at a voltage higher than 14.5V while not using the remote sense terminal (S). Very high humidity or wet conditions could cause this to happen.

By connecting a jumper wire between the alternator's B+ and Sense (S) terminals will correct this condition.

Jumper part number: A049104702S

+ Terminal Torque: 53 +/- 11 in - lbs.
6 +/- 1.2 Nm

S Terminal Torque: 18-22 in - lbs.
2.0-2.5 Nm



A049104702S jumper wire

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:

Technical Service: techservice@prestolite.com



Page 1

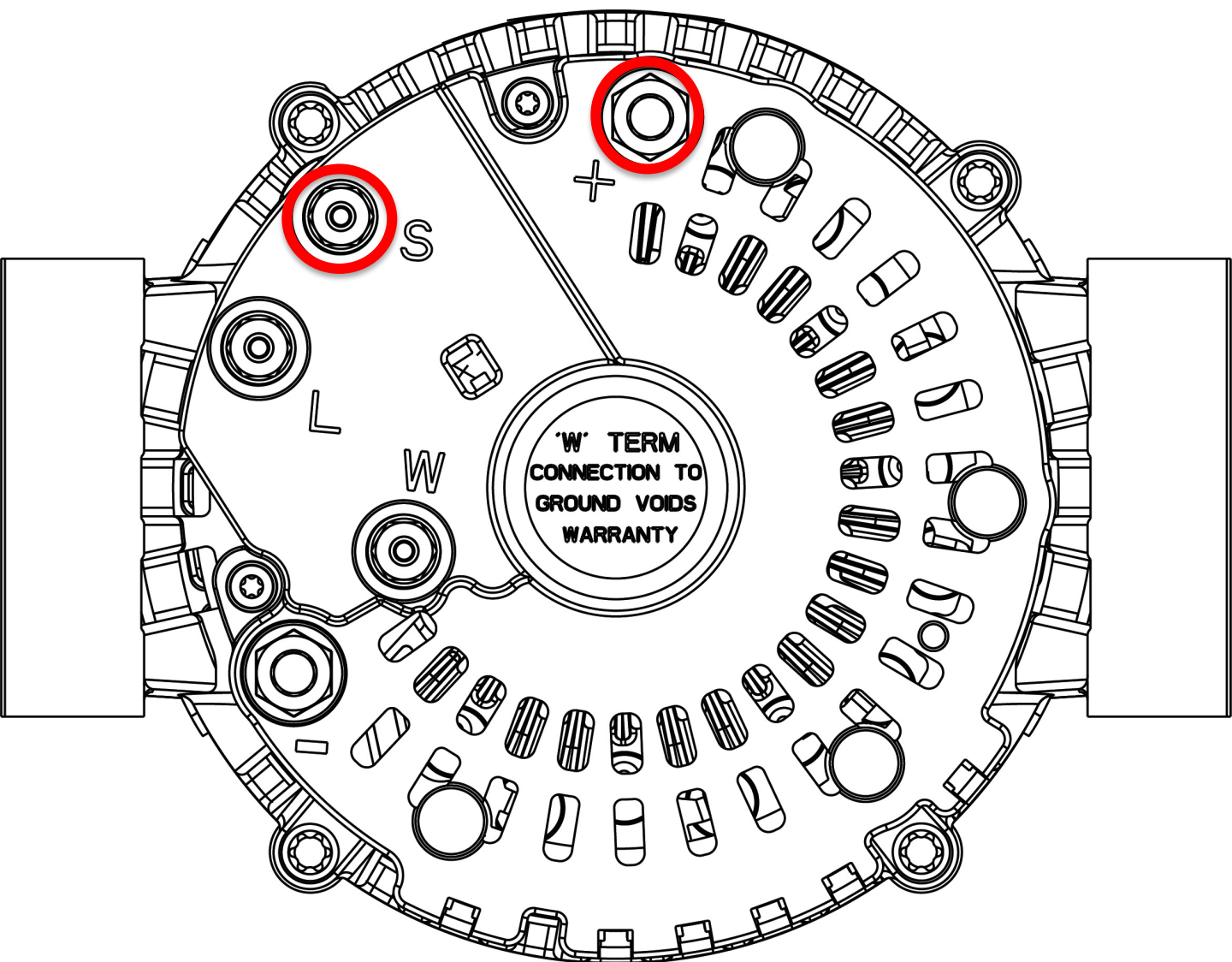


FIGURE #2

Positioning of the B+ and S terminals are not necessarily in the same position from the various AMP ratings of the model AVI160. The 240 AMP unit has a slightly different position as shown in FIGURE #2 above, both terminals are circled in **RED**.

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Road Machine website](#)

We have found that the jumper part number is not readily available, but we were able to get the specs on the jumper and found that most shops carry the common supplies to make the jumper. (FIGURE #1)

The jumper can be made using the supplies listed below by taking the wire, stripping $\frac{1}{4}$ " of insulation off of each end and then crimping the terminals on each end.

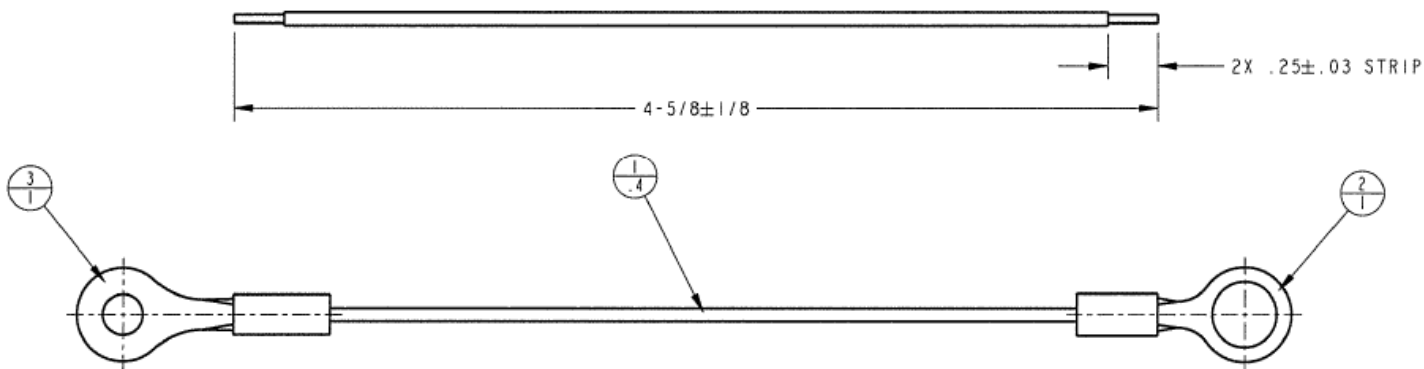


FIGURE #1

REQUIRED SUPPLIES

- 1 4-5/8" 18ga. RED WIRE
- 1 5/16" RED RING TERMINAL
- 1 #12 RED RING TERMINAL

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Road Machine website](#)

CONTACT US FOR SERVICE or QUESTIONS

Director of Service

Matt Woodman

mwoodman@newyorkbussales.com

Chittenango: 800-962-5768

Morgan Jenkins

mjenkins@newyorkbussales.com

Brian Goodfellow

bgoodfellow@newyorkbussales.com

Bob Reith

breith@newyorkbussales.com

Phil Tucker

ptucker@newyorkbussales.com

Albany: 866-867-1100

Ross Phipps

rphipps@newyorkbussales.com

Customer Support

Ben Reiling

breiling@newyorkbussales.com

Batavia: 800-463-3232

Matt Dargusch

mdargusch@newyorkbussales.com

Eric Bosley

ebosley@newyorkbussales.com

ALL of our Service Updates can be found on the [New York Bus Sales website](#)
Or at the [New York Road Machine website](#)

