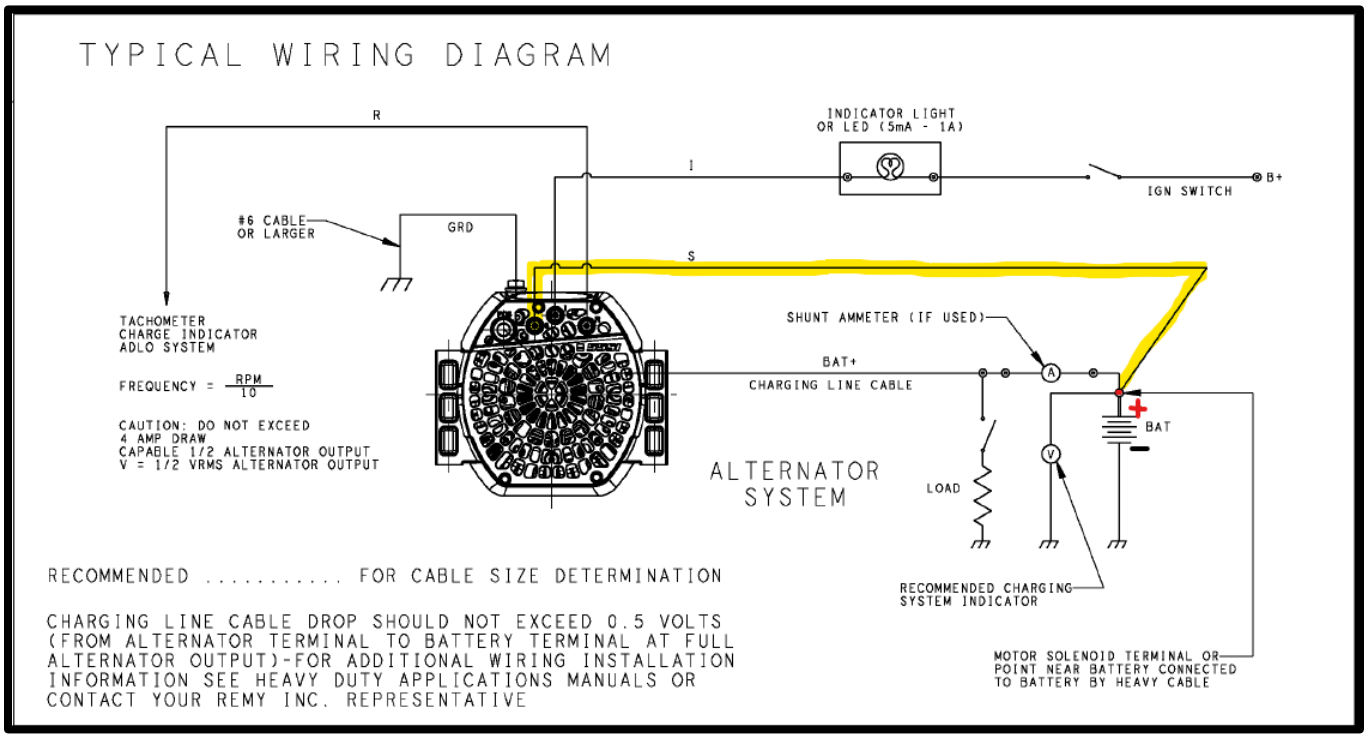
Title:	**Alternator Sense Wire**		
Number:	**SB_717**	**Release Date:**	**10/29/2024**
Revision Number:	**Not Applicable**	**Revision Date:**	**Not Applicable**
Chassis Type:	**Custom Chassis**		
Component Description:	**Alternator voltage sense wire**		

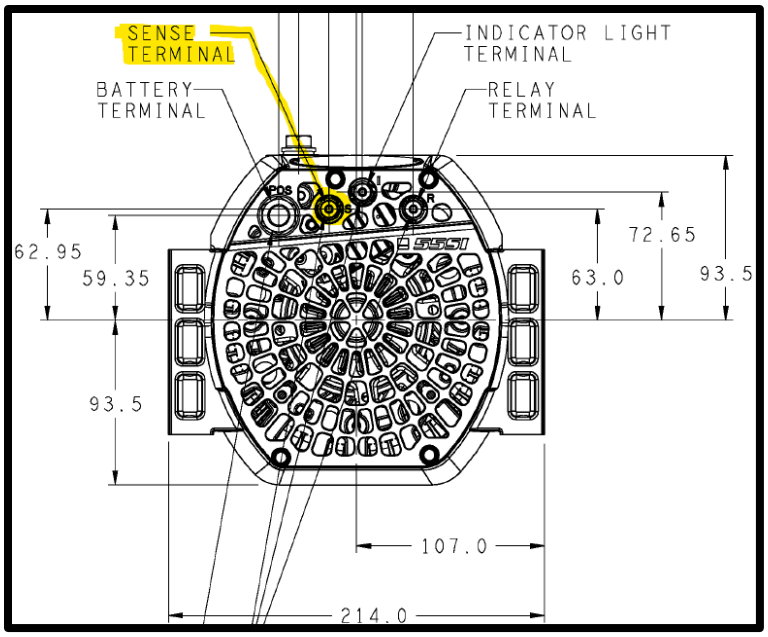
Subject:

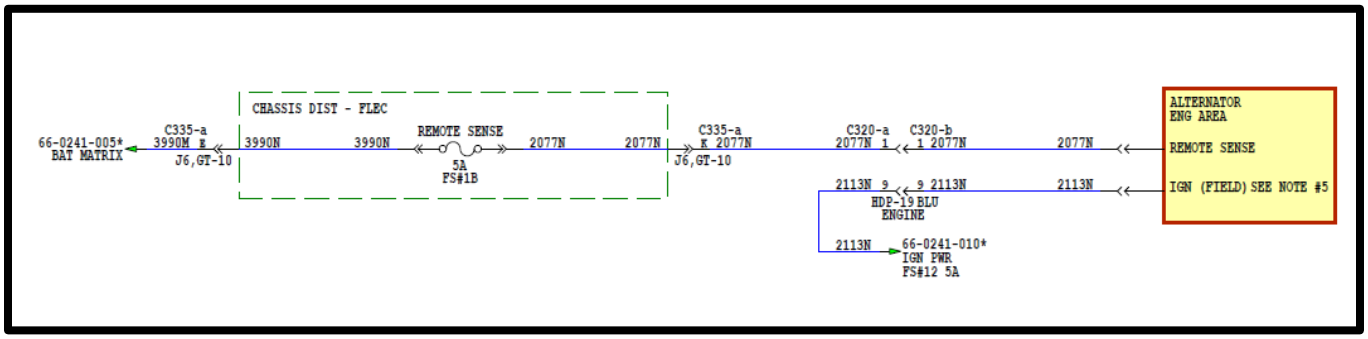
Alternators with a voltage sense terminal must have a voltage sense wire installed between the sense terminal of the alternator and a positive stud of a battery in the main battery bank.

The voltage sense wire provides a more accurate voltage measurement to the voltage regulator, resulting in better electrical performance.

Procedure:







1. While engine is running and all electrical loads are activated, observe and record the voltage reading on the gauge cluster and Command Zone display (if equipped).
2. Remove small jumper wire if there is one installed between the main positive battery cable and the voltage sensor terminal.
3. Install and 18 ga wire with 5-amp inline fuse, between the sense terminal of the alternator and a positive stud of a battery in the main battery bank.
4. While engine is running and all electrical loads are activated, observe and record the voltage reading on the gauge cluster and Command Zone display (if equipped). Measured voltage readings should be improved.

If any additional support is needed, please open a technical support incident on Pierceparts.com.