

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
> Argosy COE
Cargo

> Columbia
> Coronado
> Business Class M2
> Cascadia

Freightliner
Service Bulletin

General Information

Some Freightliner vehicles with Leece Neville 12V 270 AMP 4967PGH alternators may have left the factory with the remote-sense circuit connected to an incorrect terminal. The remote-sense circuit allows the alternator to measure battery voltage by avoiding any voltage drop in the main battery cable system. This bulletin describes the procedure to inspect and correct a remote-sense circuit that is incorrectly connected.

Procedure

1. Park the vehicle, shutdown the engine, and set the parking brake. Chock the tires and open the hood, or tilt the cab if the vehicle is an Argosy COE.
2. Identify the wires that are connected to the alternator, and the terminals where they are connected. See [Fig. 1](#) for terminal identification on the back of the Leece Neville 12V 270 AMP 4967PGH alternator.

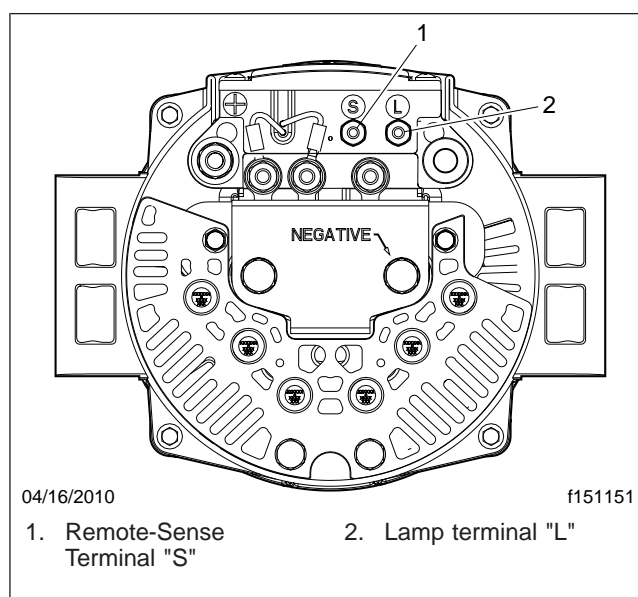


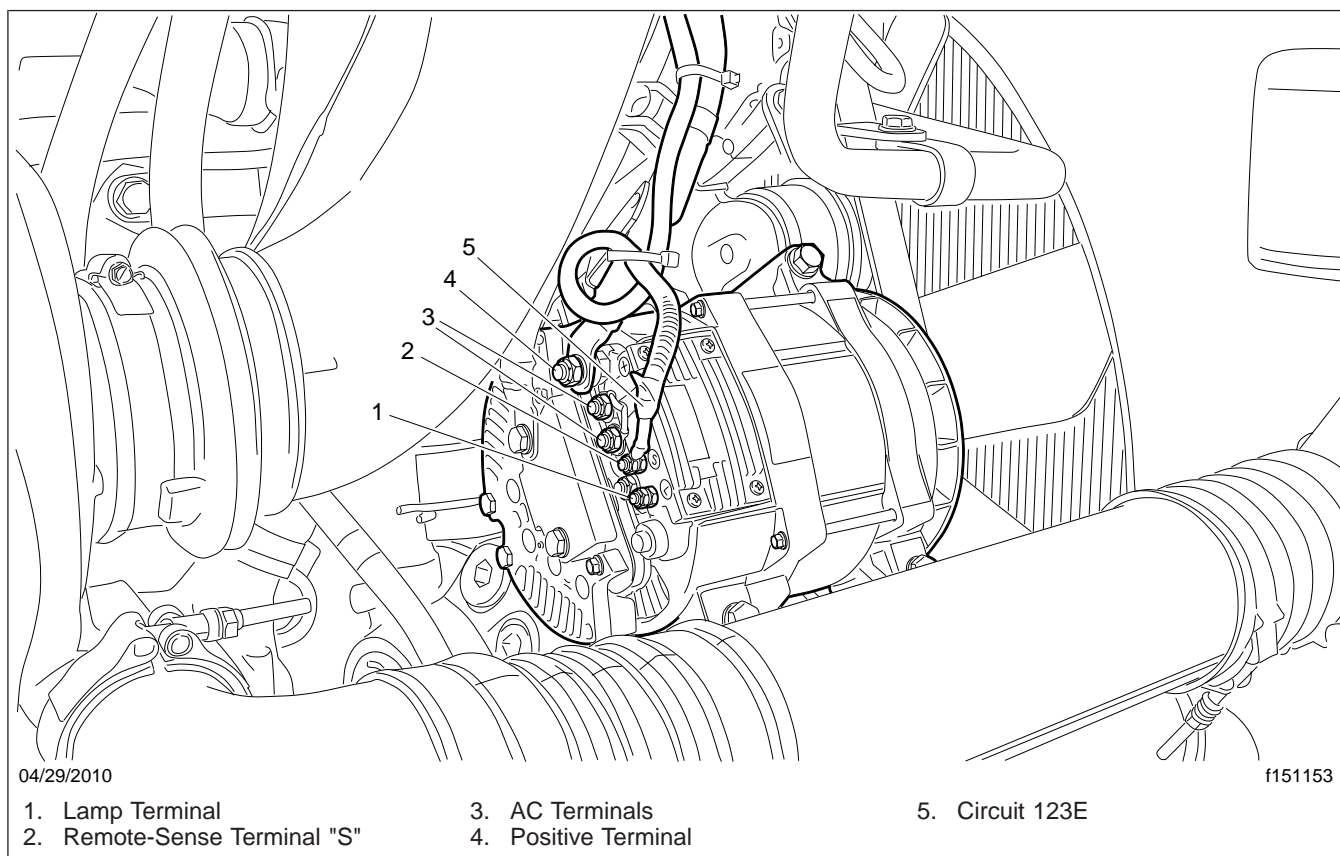
Fig. 1, Leece Neville 12V 270 AMP 4967PGH Alternator Terminals

3. If the remote-sense circuit 123E is connected to the S (Remote-Sense) terminal the wiring is correct and no further work is required.
4. If the remote-sense circuit 123E is connected to the L (Lamp) terminal the wiring should be changed as follows.
 - 4.1 Disconnect the battery cables at the negative terminals.
 - 4.2 Disconnect circuit 123E from the lamp terminal on the alternator.
 - 4.3 Clean any dielectric enamel from the terminal and from the circuit 123E terminal.
 - 4.4 Connect circuit 123E to the remote-sense terminal on the alternator and torque 20 to 25 lbf·in (320 to 380 N·cm). See [Fig. 2](#) for the correct installation of a Leece Neville 12V 270 AMP 4967PGH alternator with a remote-sense circuit.
 - 4.5 Apply dielectric red enamel to any exposed alternator connections.
5. Connect the batteries and close the hood, or return the cab to the operating position.

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Fig. 2, Leece Neville 12V 270 AMP 4967PGH Alternator with Remote-Sense Wiring

Warranty

Warranty applies if the remote-sense circuit is found connected to the incorrect terminal during the applicable warranty period. See [Table 1](#) or [Table 2](#) for damage code and labor allowance information, and refer to this bulletin by number in the story of the claim.

QuickClaim Damage Code and Labor Allowance			
Damage Code	SRT Code	Description	Time: Hours
124-003651940	124-5020A	Remote Sense Wire, Leece Neville, Reconnect	0.2

Table 1, QuickClaim Damage Code and Labor Allowance

OWL VMRS Codes and Labor Allowance				
Component Code	Cause Code	SRT Code	Description	Time: Hours
031-001-060	77	124-5020A	Remote Sense Wire, Leece Neville, Reconnect	0.2

Table 2, OWL VMRS Codes and Labor Allowance