

SB-10055202-9145

Remote Sense, Alternator Wiring
VN Models

FSB 321-012, Remote Sense, Alternator Wiring

(February 2014)

On certain Volvo Trucks built from 8/23/2010 to 12/31/2013 with the 28SI alternator, the wire for the remote sense (S Terminal) and the wire for the relay (R Terminal) may be wired incorrectly. This may cause the alternator to overcharge and the in-line fuse, for the remote sense located in the battery box, may blow. This is due to an assembly issue.

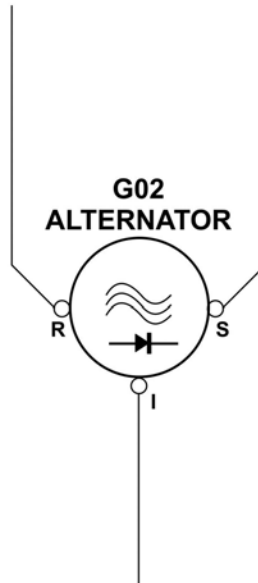
Repair

1. Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheels, and placing the transmission in neutral.
2. Disconnect all cables from the negative (ground) battery terminal to prevent personal injury from electrical shock and prevent damage to electrical components.
3. Raise the hood.

Service personnel: Please circulate, read and initial

Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians						

4. Verify that the repair is required, a properly wired alternator will have the Green wire with Tape on the R terminal and the White/Orange Stripe wire on the S terminal. If alternator is wired correctly continue diagnosing for cause of blown fuse. If incorrectly wired proceed to step 5.



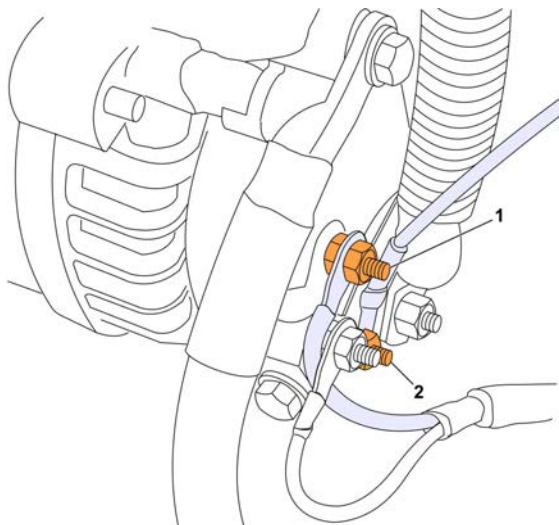
W3087872

R (Tachometer) — Green with Tape

S (Sense) — White/Orange Stripe

I (Indicator) — Green

5. If incorrectly wired, remove the wires from the “S” and “R” terminals on the rear of the alternator and swap them.



W3087704

1. Tachometer (R)
2. Sense (S)

6. Torque the terminal studs to 3–5 Nm (26–44 in lbs.)

7. Check in-line fuse in battery box, fuse may be blown due to incorrect wiring.

Note: a. If fuse is blown, replace with same size/type.

8. Close the hood.

9. Install all the previously removed cables to the negative (ground) battery terminals.

10. Remove the wheel chocks.

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W
Labor Code	
Primary Labor Code	32106-0-01 0.3 hrs.
Causal Part	21592037

Volvo Trucks North America engages in a comprehensive program of testing and evaluating to provide the best possible product. Volvo Trucks North America however, is not committed to, or liable for updating existing vehicles.