

CVF 1-WIRE ALTERNATOR INSTRUCTIONS



THANK YOU FOR YOUR PURCHASE!

*****IMPORTANT***** - It is very important to follow these instructions and procedures entirely. Failure to do so could result in voiding of warranty and severe damage to your vehicles electrical system.

Safety

- Disconnect negative battery cable before starting.
- Wear eye protection and remove jewelry.
- Keep all wiring AT LEAST 12 inches away from heat or moving parts.
- Never disconnect the battery while the engine is running.

Installation

- Remove old alternator & belt (note routing).
- Mount new alternator.
- Check or replace belt; confirm alignment and proper tension.
- Run charge wire from alternator 'BAT' post to battery positive terminal.

- Install inline fuse (200-400A) within 12 inches of the battery.
- Add ground wire (same size as charge wire) from alternator housing to engine block.
- Clean paint/rust from ground points and use corrosion inhibitor if available.
- Reconnect the negative battery cable.

Testing

- Battery voltage (engine off): $\geq 12.6V$
- Start engine, rev to $\sim 2,000$ RPM = 13.8-14.6V
- Voltage drop on charge or ground wire should be $< 0.1V$
- Do not exceed 15,000-18,000 alternator RPM

Tips

- Optional 'R' or 'I' terminal may power a dash charge light.
- Recheck belt tension and wiring after 100 miles.
- Avoid oil, water, or mud contact.

Output	Wire	Fuse
75-100A	8 AWG	200A
100-150A	6 AWG	250A
150-200A	4 AWG	300A
200-250A	2 AWG	400A

If you have any questions regarding this process, please call or email CVF directly.

651.356.8593 // SUPPORT@CVFRACING.COM

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