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www.NationsStarterAlternator.com

Van Wakespeed installation Notes

Consult wiring diagram

Regulator preconfigured per battery info

- Van harness is designed to locate WS500 regulator in Van with batteries to shunt, power and install battery temp sensor.
- Current sensing wires must be installed to shunt as shown in the diagram for the regulator to function correctly.
- Alternator branch of the van harness is 27 feet long. Connect green heat shrink connector to alternator temp sensor, cut connector off with blue and yellow wire. Connect blue wire to field wire from plug. Yellow wire is not used.
- Run adequate size cables from output and ground of alternator to battery distribution. Under 20 feet 2/0 welding cable and over 20 feet use 4/0. Fuse for the alternator will be at the Power distribution located close to the battery.
- Best Practice is to run Ground wire from the 2nd alternator back to battery power distribution.
- Brown ignition wire route to fuse panel, or upfitter panel on Sprinter. Find a fuse that has constant power when the vehicle is running only.
- Wakespeed has start-up delay and will initiate charge when led blinking light goes to "fast" blink- normally 30 seconds.
- Service cut off switches --- if used --- cannot be turned off while vehicle is running. This can result in alternator damage. Any questions please call and Thank You, for your purchase!