

2013 “VOLTAGE MONITORING AUTO IDLE-UP” ALTERNATOR POWER OUTPUT CONTROL – CUMMINS ENGINE ONLY

*Vehicles With Sales Code XF6 “Voltage Monitoring Auto Idle-Up” (idle-up strategy), Early To Mid-2013 Model Year

Early to mid-2013 model year vehicles were available with sales code XF6 (idle-up strategy). This automatically increased the idle speed to 1150RPM dependent on the electrical loads of the vehicle.

Note: the automatic transmission must be in PARK position or the park brake set with the manual transmission.

Ambulance Vehicles

Due to the typically high amperage requirements of ambulance vehicles operating during emergency scenarios (emergency lighting, front and rear A/C systems, onboard radios and computers, vehicle lighting, etc.), it’s necessary to “idle-up” the engine while the vehicle is stopped for any length of time.

- The “idle-up” engine speed should be 1500RPM, which is programmed by the Upfitter via an aftermarket module or via using the idle speed adjustment feature of PTO prep (sales code LBN or LBV). Vehicles without PTO prep can have this feature enabled at a Ram dealer.
- “Idle-up” capability should be restricted to the simultaneous applications of the transmission in Park, the park brake applied, and the upfitter master emergency switch actuated.

*Vehicles With Sales Code XF6 “Voltage Monitoring Auto Idle-Up” (idle-up strategy), Beginning Mid-2013 Model Year

Beginning mid-2013 model year a new “idle-up” strategy was introduced. The sales code remains XF6. This new strategy will automatically increase the idle speed in 150RPM steps up to a maximum of 1450-1475RPM, dependent on the electrical loads of the vehicle. This can take up to approximately 3 minutes to reach maximum RPM. Note: the automatic transmission must be in PARK position or the park brake set with the manual transmission.

The upfitter should determine via testing if this stepped “idle-up” strategy is adequate to meet their needs or if a fixed and immediate higher RPM is required (such as is described above in the Ambulance Vehicle/early 2013 model year strategy description).

***See attached chart of engine numbers to determine if your vehicle has the new “idle-up” strategy which began mid-2013 model year. The attached photo shows the location of the engine number label.**

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CUMMINS CHASSIS CAB NEW "IDLE-UP" STRATEGY → INSTITUTED MID-2013

| VEHICLE/TRANSMISSION | ENGINE SERIAL NUMBERS |
|------------------------------|------------------------------------|
| Chassis Cab 3500/Auto | implementation began with 58288541 |
| Chassis Cab 3500/Manual | implementation began with 58290020 |
| Chassis Cab 4500/5500/Auto | implementation began with 58288592 |
| Chassis Cab 4500/5500/Manual | implementation began with 58289121 |

CUMMINS HD PICKUP NEW "IDLE-UP" STRATEGY → INSTITUTED MID-2013

| VEHICLE/TRANSMISSION | ENGINE SERIAL NUMBERS |
|--------------------------------|------------------------------------|
| HD Pickup 2500/3500/68RFE Auto | implementation began with 58283217 |
| HD Pickup 2500/3500/Manual | implementation began with 58288954 |
| HD Pickup 2500/3500/Aisin Auto | implementation began with 58289136 |

Cummins Engine
Serial Number

