

ADJUSTABLE IDLE SPEED INSTRUCTIONS

This feature is available on all 2500, 3500 4500 and 5500 trucks with 6.4L Gas and 6.7L diesel engines equipped with automatic transmissions. It is also available on 4500 and 5500 trucks with the 6.7L diesel engine and manual transmission if the vehicle is equipped with PTO prep. (Sales Code LBN or LBV) It has been developed to aid in cabin heating / cooling or enhance stationary PTO capability by elevating the idle speed upon operator command through the steering wheel mounted cruise switches.

Vehicle Required Hardware/Software

If the vehicle is equipped with an automatic transmission:

- Original equipment cruise switches

If the vehicle is equipped with a manual transmission

- Original equipment cruise switches
- Clutch up-stop switch wired to the PCM (Standard with PTO Prep)
- PTO Prep Equipped (Sales Codes LBN or LBV)

Operation:

Pre-engagement vehicle requirements:

1. The vehicle must be in Park (automatic transmission).
2. Vehicle speed must be less than 2 mph (manual transmission).
3. Brake pedal must not be depressed.
4. Clutch pedal is not depressed (manual transmission)
5. Parking brake must be (manual transmission)
6. No active speed or engine faults present (Check Engine lamp on)

To engage, the operator first presses the “Cruise On” cruise control switch. The Cruise light will come on in the cluster. Then press and release the “Set” switch (just like you would do when operating the cruise control feature). This will activate the feature and set the engine idle speed to 1100 rpm’s.

At this point the operator may choose to “ramp” up or down the idle speed. To ramp up, press and hold the RES / ACCEL (right hand side) cruise switch. Maximum idle speed (while feature is active) is 1500 rpm’s. At any point while the idle speed is ramping up the operator may release the RES / ACCEL switch and the idle speed will stabilize at the value shown on the tachometer.

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To ramp down the procedure is the same as when ramping up except, that the operator will press and hold the COAST cruise switch. Minimum idle speed (while feature is active) is 1100 rpm's.

When the Idle Up feature is engaged it can be disabled (turned off) by several ways:

1. The cruise cancel switch can be pressed.
2. Cruise off switch can be pressed.
3. Vehicle brake pedal can be depressed.
4. Move the PRNDL (gear select lever) from Park (automatic vehicle only)
5. Vehicle speed greater than 2 mph (manual vehicle only)
6. Clutch pedal is depressed (manual vehicle only)

When this feature is disabled from any method then the idle speed will revert back to the standard vehicle idle speed. The cruise lamp will stay on until the cruise off switch is pressed even though the Idle Up feature has been disabled.

The Idle Up feature is the lowest priority between it and PTO operation. If at any time during active Idle up the PTO on/off switch is activated the control will be given over to the PTO feature. For example, if the idle up is active and the idle speed has been set to 1400 rpm's and then the PTO on/off switch is activated the idle speed will return to 900 rpm's (Stationary PTO mode). If all conditions are met to engage the PTO, the idle up feature can then be used to ramp up the idle speed again to the desired level. If any of the disable conditions are met, the PTO switch must be cycled off then back on before the Idle Up can be used again.
