
Hardwire Remote Start/Stop

(Also called Remote Ignition)

Overview

- As part of the PTO prep option (sales code LBN or LBV) Ram chassis cabs have a circuit that upfitters can use that will command the engine to start and stop. This is used on applications where the user wants the ability to start and stop the vehicle from a location other than the driver's seat. An example is an aerial device (i.e. 'bucket truck') where the boom is raised to working position and then the engine is turned off in the bucket.

Operation

- ***New for 2019: The enabling procedure is now in the EVIC cluster. See below.***
- The circuit used for this function is T754 (DG/GY). It is located (as in previous years) underneath the main fusebox (PDC) in front of the driver side battery.
- T754 is contained in a wrapped bundle of blunt cut wires terminated in heat shrink tubing. For 2019 it is now marked with yellow tape at the end. Below is a photograph of the yellow taped end of the wire bundle beneath the PDC when the is unclipped and raised.



- With T754 enabled the vehicle will toggle between starting and stopping when the circuit is grounded.
- **Note:** When the vehicle is restarted, the PTO takes about 3 seconds with diesel and about 9 seconds with gasoline to auto-resume.

Hard Wire Remote Start Stop

Requirements

- The ignition key fob must be in the vehicle, and the vehicle ignition button on the dash must be in the run position.
- The truck must be a chassis cab with the PTO prep option.
- No engine or transmission faults may be active.
- Remote start must be enabled.
- If PTO is desired. The function **auto resume** must be enabled to allow the PTO to restart after an engine restart. Auto resume is in the the PTO parameters menu.
- ***New for 2019: Standard Mode using the in cab PTO switch is now usable with remote start. The in cab PTO switch can now be programmed to 'remember' last known state.***
- Once this function is used, the vehicle enters remote mode. The vehicle cannot be moved until the the vehicle is started (or stopped and started if running) with the ignition switch on the dash. Otherwise the vehicle will stop when the transmission selector lever is moved.
- The upfitters equipment must be able sink 40mA with a closed circuit voltage of 200mV or less for the circuit to function properly. This is not expected to be a problem since the output of the upfitter's equipment is likely to be an electro-mechanical solenoid closure contact.

Enable/ Disable Procedure

- The enable and disable procedure has been made much easier for 2019. It is now contained in the Electronic Vehicle Information Center (EVIC) cluster.
- The pictures below show the screens you will see when you enter the commercial settings menu. The first picture is for the highline clusters and the second is for the low line clusters. The third screen shows the function enabled.
- The function is disabled by moving the checkmark as shown on the third screen below.

Hard Wire Remote Start Stop



Hard Wire Remote Start Stop