

HARD WIRE REMOTE START INSTRUCTIONS

NOTE: PTO must be in remote mode with auto resume enabled.

The chassis cabs offer a hard wired remote start system (sales code XBU). This must be ordered and is part of the PTO prep package. It is available only on diesels and 6.4L gas engines with Aisin automatic transmissions. Ram provides a circuit (wire) under-hood to control the start and stop functionality. This is circuit T754 and is a dark green/gray tracer (DG/GY) wire, see pages following for exact location. This wire (and others) are terminated with black heat shrink tubing on its end. It is on the driver side front of the engine compartment along side of the PDC (Black Box). This circuit is looking for a momentary ground signal to stop and/or start the vehicle. Even though you can order this feature it will still come from the factory disabled.

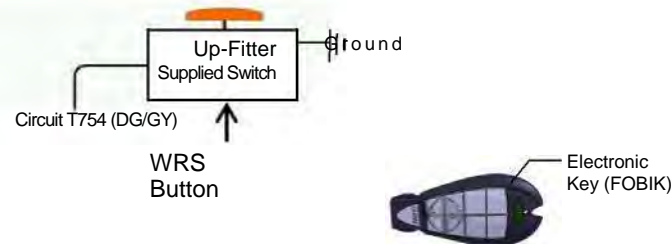
The key must be in the RUN position for the feature to operate.

Note: Using this feature puts the vehicle in remote start mode. A safety feature of remote start mode prohibits driving the vehicle. If you try to drive the vehicle it will turn off. In order to drive the vehicle, you must cycle the key off and turn the vehicle back on. This takes the vehicle out of remote start mode.

Feature and System Description

The wired remote start feature used on aerial lift applications will only operate on a vehicle with an automatic transmission.

**Ram 3500 chassis cab
Ram 4500/5500 chassis cab**



Enabling/Disabling the

Wired Remote Start Feature (Note: Changed from 2012 Model Year)

The RFHM module will be shipped with the "wired remote start" feature disabled within its electronics to prevent inadvertent starts on vehicles which have not been up-fitted. The feature may be enabled by the aftermarket up-fitter using the following procedure (This enabling/disabling procedure will be allowed on automatic vehicles only):

Connect Wired Remote Start (WRS) button (or jumper wire) to allow opening/shorting the up-fitter circuit connected to RFHM

For rotary ignition system insert a valid FOBIK into the IGNM and turn it to the RUN position

For Keyless Go ignition system turn the ignition to RUN state by pushing the Start/Stop button

Press and hold brake pedal

Move the shifter out of Park

Press and hold "WRS" button

Move the shifter to Park

Release "WRS" button

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Within 30 seconds of releasing "WRS" button:

Move the shifter out of Park

Press and hold "WRS" button

Move the shifter to Park

Release "WRS" button

Release the brake pedal

For rotary ignition system turn the FOBIK back to Off position and remove it

For Keyless Go ignition system turn the ignition Off by pressing Start/Stop button

Once the brake pedal is released, the state of the wired remote start feature will toggle (i.e., if previously disabled it will now be enabled, or if previously enabled it will now be disabled)

The enabling/disabling process may be terminated at any time before completion by moving the ignition out of the RUN state.

Notes:

The up fitter's equipment must be able to sink 40 mA with a closed circuit voltage of 200 mV or less for the RFHM to operate properly. This is not expected to be a problem, since the output of the up fitter's equipment is likely to be a mechanical solenoid closure contact.

The gasoline engine requires a delay in the auto resumption of PTO made of up to ten seconds on an engine restart.

Engine start

- From the overhead bucket, the operator would use the up-fitter's switch to close the circuit and hold it closed (0.5 seconds or longer) until the engine begins cranking. Once the engine is cranking the up-fitter's system can be released and the vehicle's "TIP start" feature completes the starting event.

Engine Shut Off

- If the engine was already running when the up-fitter's circuit closes, the engine will shut off.
- If the engine is cranking but not yet started (TIP start) and the up-fitter's circuit closes, cranking will stop.

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Location of wire used for hard wired remote start:

Release tabs to move box



Wires located in front of PDC

PDC

Pull wires up

