

General Information

This feature, when engaged via the hard wired input circuit, will elevate the engine idle to a customer programmable set point between 900 and 2000 RPMs.

This feature is standard on all Ram Chassis Cabs without PTO Prep (sales codes LBN or LBV). It is not available on pickups with or without box delete. (sales code XBC)

Operation

SEIU is enabled and the RPM set point is programmed in the IDLE CONTROL sub-menu found under the COMMERCIAL SETTINGS menu in the EVIC. The IDLE CONTROL menu is not present on vehicles with PTO prep. (sales code LBN or LBV) For the programming menu map, see the IDLE CONTROL document under EVIC PROGRAMMING MENUS in the UPFITTERS CONTROLS AND FEATURES category on the Ram Body Builder's Guide.

Once in the IDLE CONTROL menu, enter the INPUT WIRE screen to enable or disable the feature. Enter the RPM SET POINT screen to set the desired idle speed. The engine speed can be programmed to a value between 900 and 2000 RPMs in 25 RPM increments. 900 RPMs is default.

Once enabled, SEIU is engaged by grounding the F425 circuit. With F425 grounded, the engine will idle up to the programmed set point. F425 is the pink (PK) wire in the Upfitters_1 connector.

The Upfitter_1 connector is found in the upfitter wiring kit delivered with the vehicle. It is a black 6 pin connector. It plugs into the white Upfitter_1 port located under the dash. The port is located near the mag bracket just left of the steering shaft in model year 2019. For 2020 and later, it's near the BCM just to the right to the park brake mechanism.



Model Year 2019



Model Years 2020 and Later

Stationary Engine Idle Up (SEIU)

For more information on the vehicle's upfitter electrical system, see the UPFITTER CIRCUIT SCHEMATICS document found under UPFITTER ELECTRICAL INSTRUCTIONS in the ELECTRICAL WIRING INFORMATION category on the Ram Body Builder's Guide.

Feature Inhibits

There are certain vehicle system conditions that that must be true before SEIU can be engaged. Should any of these conditions change or become false after SEIU is engaged, SEIU will disengage. The conditions are listed below.

- Engine running.
- Transmission in PARK.
- SEIU enabled in EVIC.
- Service brake released.
- Accelerator pedal released - at idle position. (6.4L gas engine only)
- No active engine, transmission, accelerator or brake system faults.

If SEIU is engaged, and one or more of the inhibit conditions occur, SEIU will not automatically re-engage once the inhibit condition(s) is/are eliminated. F425 must be ungrounded then re-grounded to re-engage SEIU.

The Auto-Resume feature found in the Standard and Mobile PTO modes is not available in SEIU. If the ignition key is turned off while SEIU is engaged, SEIU will not automatically re-engage once the engine is restarted. F425 must be ungrounded then re-grounded to re-engage SEIU.

Tech Tips

- Connecting F425 to VSIM circuit W725 (Park Brake Applied) will engage SEIU when park brake is set.

Stationary Engine Idle Up (SEIU)