

DODGE INSTALLATION INSTRUCTIONS

Trucks 2007 1/2 to 2010

PN: SI 340 TK 06

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SECURE-IDLE is an ignition switch bypass device designed to provide all the electrical functions that the OEM ignition switch normally provides. For proper operation and long term performance, **DO NOT deviate from the wire connection instructions.**

For each wire connection, remove approximately one half inch of insulation from the OEM wire, but **DO NOT cut through the wire.** Cutting the wires causes high resistance and a possible failure point. Strip approximately one half inch of insulation from the end of the SECURE-IDLE wires to be attached to the OEM wires. Wrap the SECURE-IDLE wire around the bare area of the OEM wire and solder the connection. Tape the connection thoroughly after it cools.

DO NOT use scotch lock type pinch through connectors. These connectors cannot handle the higher amperages of the ignition circuits, and will void the SECURE-IDLE warranty.

Use the wiring diagram to locate the correct wire and pin location on the backside of this page.

Installation

1. Remove the lower dash panel under the steering column to access the OEM ignition switch which is mounted on the steering column. Mount the SECURE-IDLE unit near the ignition switch.
2. Locate a good metal ground and connect the **Black** SECURE-IDLE wire.
3. Locate the OEM ignition switch and wiring. Remove the insulation from the **PINK/GRAY** wire, pin3, and attach the **RED** 18 Ga. SECURE-IDLE wire according to the above instructions. This OEM wire will be hot in **RUN** and **START**.
4. The **WHITE** SECURE-IDLE wire will not be used. Cap off this wire and secure it under the dash.
5. The **YELLOW** SECURE-IDLE Wire will not be used. Cap off this wire and secure it under the dash.
6. Locate the **LT BLUE/RED** wire, Pin 6. Attach the **GRAY FUSIBLE LINK** wire according to the instructions. Connect the **RED** 10 Ga. wire to the **FUSIBLE LINK** by way of the quick disconnect connector. This OEM wire will be **hot** at all times.
7. **OPTION 1:** Connect the **BROWN** SECURE-IDLE wire to the **WHITE/RED** backup light wire at the rear of the vehicle. This will make the reset of the SECURE-IDLE unit automatic when the vehicle shift lever is moved from park to reverse.
OPTION 2: To shut down and reset by using the brake pedal, use drawing NO: 01-0085

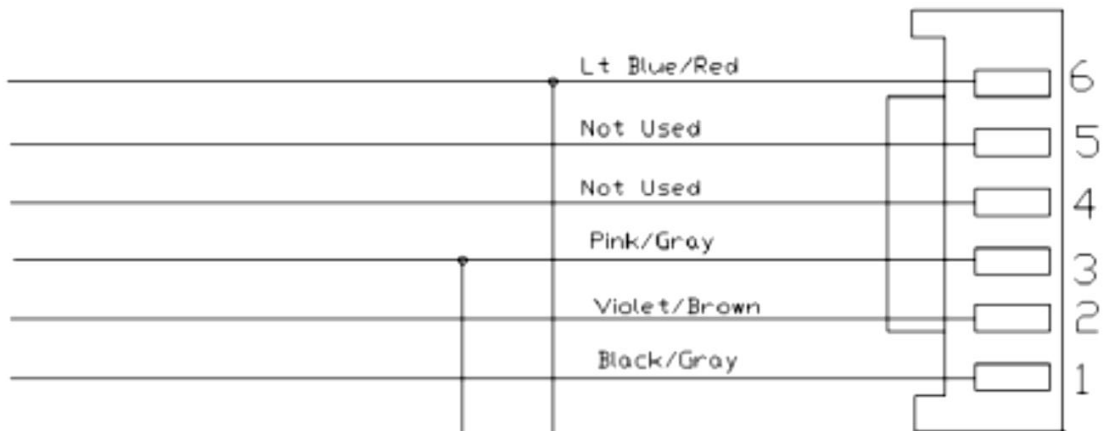
Testing the SECURE-IDLE Unit

1. With the shift lever in **PARK** start the vehicle. Push and release the **RED** push button switch. This activates the SECURE-IDLE unit. You will hear a single click when the button is pushed.
2. Turn the key to the **OFF** position. The vehicle will remain running. Test all OEM electrical functions, ie: blower motor, power windows, radio, etc.
3. Turn the key to the **START** position, the starter motor should not crank.

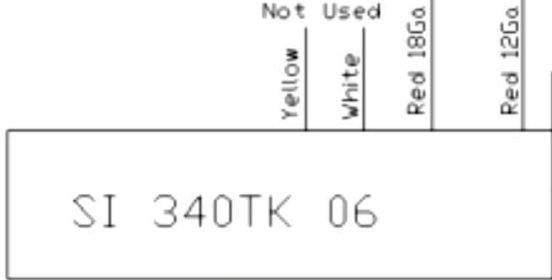
Resetting the Unit

4. Option 1: With the key in and in the **RUN** position, pull the shift lever from **PARK** into **DRIVE**, then back into **PARK**. This resets the SECURE-IDLE unit when **option 1** is used. The vehicle is now back in OEM ignition switch control. Turn the key to the **OFF** position. The vehicle will shut off.
5. Option 2: When the vehicle is under secure idle control, Depressing the brake pedal will automatically shut down the vehicle. Insert the key and turn it to the **RUN** position, Depress the brake pedal. This will reset the unit and is now back under OEM ignition switch control. Turn the key to the **OFF** position, the vehicle will turn **OFF**.
6. Tie wrap all loose wires and replace the removed panels.
7. To disable the SECURE-IDLE unit, pull apart the quick disconnect. It is located on the **RED** 10 Ga. wire coming out of the SECURE-IDLE unit.
8. Instruct all drivers on the proper operating, reset procedures, and the location of the quick disconnect of the SECURE-IDLE unit.
9. In the unlikely event that the engine will not turn off after the unit has been reset, the driver should disable the unit by pulling apart the quick disconnect.
10. If the engine stalls while under SECURE-IDLE control, the unit must be reset before the engine can be restarted.

OEM Ignition Switch



Brown wire must be connected to one of these options
 Back up lt White/Red
 CMHL Feed White/Tan (use Aux relay Dwg 01-0085)

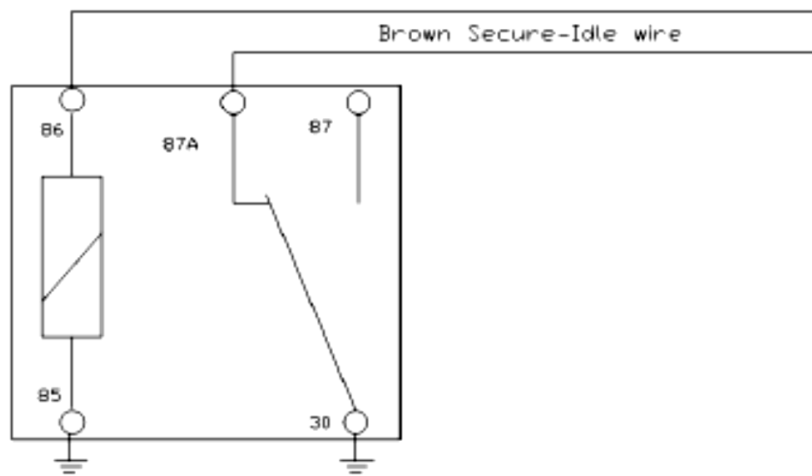


Ram Dakota Caravan/Durango/Voyager

Secure-Idle		
Chassis Make	Dodge	Year 07/10
Title		
Size A	DWG NO	01-0084

To CMHL Feed Wire White /Tan

Brown Secure-Idle wire



Customer supplied relay

SECURE- IDLE		
Chassis Make	Dodge	Year
Title CMHL Relay		
Size A	DWG NO	01-0085