An ISO 9001:2015 Registered Company

G-IDLE656-A

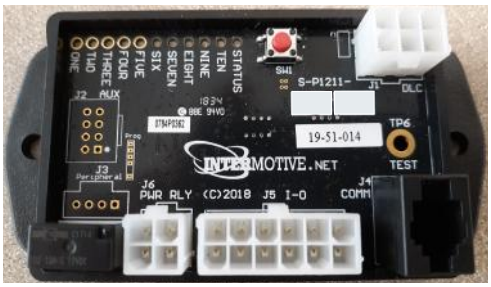
Idle Lock™ with Autosense Technology

2024-2026 Chevrolet Silverado/GMC Sierra 1500-3500*

*Column Shifter Only

Contact InterMotive for additional vehicle applications

Not for Vehicles with Key-in Ignition Switches



Introduction

The IdleLock for GM Trucks will detect when the key fob leaves the vehicle, automatically lock the shifter in Park, and will allow the user to remove the key fob with the engine running. The IdleLock will automatically disable the OEM idle timer to prevent the vehicle from shutting down. It also provides outputs to disable the weapon rack, trunk release, or other equipment when the vehicle is in IdleLock.

Installation Instructions

Disconnect vehicle battery before proceeding with the installation.

It is the installer's responsibility to route and secure all wiring harnesses where they cannot be damaged by sharp objects, mechanical moving parts and high heat sources. Failure to do so could result in damage to the system or vehicle and create possible safety concerns for the operator and passengers.

It is important to avoid placing the module where it could encounter strong magnetic fields from high current cabling connected to motors, solenoids, etc. Also avoid radio frequency energy from antenna's or inverters next to the module. Finally, avoid high voltage spikes in vehicle wiring by always using diode clamped relays when installing upfitter circuits.

IDLE656 Module

Remove the lower dash panel below the steering column and find a suitable location to mount the IDLE656 module. Do not mount the module where it will be exposed to excessive heat. Do not mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module.

Installation Instructions

Data Link Harness (Part #840-00330) (6-pin connector)

1. Locate the vehicle's Gateway Module. It will be mounted under the dash and above the acceleration Panel.

2. Locate the 30-Pin connector, X1 labeled "BLK" on the Module.

3. Remove the OEM connector from the Gateway module and insert the mating connector from the 840-00330 harness.

4. Insert the OEM connector into the mating connector on the 840-00330 harness.

5. Locate the 30-Pin connector, X2 labeled "LTGY" on the module.

6. Connect the yellow and white blunt cut wires of the 840-00330 harness to pin 16 and 26 of the OEM connector using the included Posi-Taps. Note that the wire colors should match that of the OEM harness.

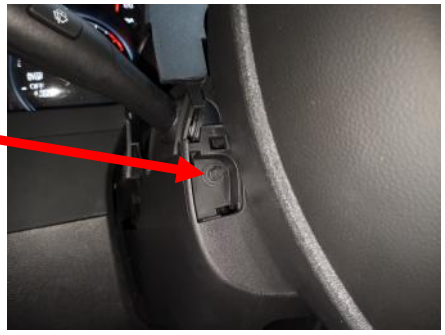
7. Secure the Data Link harness so that it does not hang below the lower dash panel.

8. Plug the free end of the Data Link harness into the mating 6-pin connector on the module.

IDLE Shift Lock Harness (Part #840-00340)

1. Remove the screw from the lower half of the steering column cover.

2. Lift the upper half of the steering column cover. Start the vehicle, turn the steering wheel to the right, and remove the screw (see picture). Turn the steering wheel to the left, and remove the screw on the right side of the steering column.



3. Remove the clamp shell panels.
4. Unplug the connector (see picture) and plug the mating connector from the G-IDLE656 (part #840-00340) into the mate. Plug the other side of the InterMotive harness into the OEM mate.
5. Plug the 10-pin Molex connector into the mating connector at the IDLE module.

I/O Wiring, Features, and Descriptions: (Solder and heat shrink all connections)

Lock Output (Active High)

Pin 2, Red wire of the 12 pin connector is the Idle-Lock output. This output (500mA max current) can control installer supplied normally closed relays to lock/disable equipment when Idle-Lock is active. This minimizes possible theft when Idle-Lock is active and the vehicle is unattended.

When Idle-Lock is enabled, this output becomes active after 10 seconds. This output remains active until the key is back in the vehicle.

Idle-Lock Active Output (Active High)

Pin 11, White wire of the 12 pin connector is the Idle-Lock Active output. This output (500mA max current) can control installer supplied normally closed relays or auxiliary indicator LEDs. When Idle-Lock is enabled, this output becomes active. This output remains active until the key is back in the vehicle. Mounted in an appropriate location these indicators will allow the operator to easily determine if Idle-Lock mode is active.

IdleLock Operating Instructions :

Auto Enable

Preconditions: Transmission in PARK, Engine running, Idle-Lock OFF.

- Every time the door is closed, IdleLock will check the location of the key fob. If the fob is present, nothing will happen. If the fob is NOT present, IdleLock will lock the shifter.
- If the door is left open, IdleLock will automatically lock the shifter after 10 seconds.

Auto Disable

Preconditions: Transmission in PARK, Engine running, Idle-Lock ON.

- Get in driver seat with the key fob and close the door with the key inside. Shift out of park.
- Idle lock can only read the OEM key fob when the driver door is closed. If driver door is not closed then shifter will not be unlocked.

IdleLock Post Installation Instructions

Perform the following tests before mounting the module to allow viewing of the diagnostic LED's, if needed.

1. With the engine running, confirm Idle-Lock is off by shifting out of Park.
2. Place transmission in Park, step away from the vehicle with the Key Fob in hand and close the driver door.
3. Place the Key Fob around 10 feet from the vehicle.
4. Open the driver door, get in the driver seat, and confirm the shifter is locked in Park.
5. Grab the key fob and place it in your pocket. Get back in the driver seat and close the door. At this point the Idle-Lock should be disabled. Confirm by shifting out of Park.

DO NOT PUT VEHICLE IN SERVICE IF IT DOES NOT PASS ALL OF THE ABOVE TESTS

Contact InterMotive at 1-800-969-6080 for technical assistance.

Diagnostics

Diagnostic mode is entered by pressing the red test button. The module provides diagnostic LEDs which illuminate according to the following table. LEDs 1-10 show the state of IDLE-LOCK. Contact Intermotive for assistance.

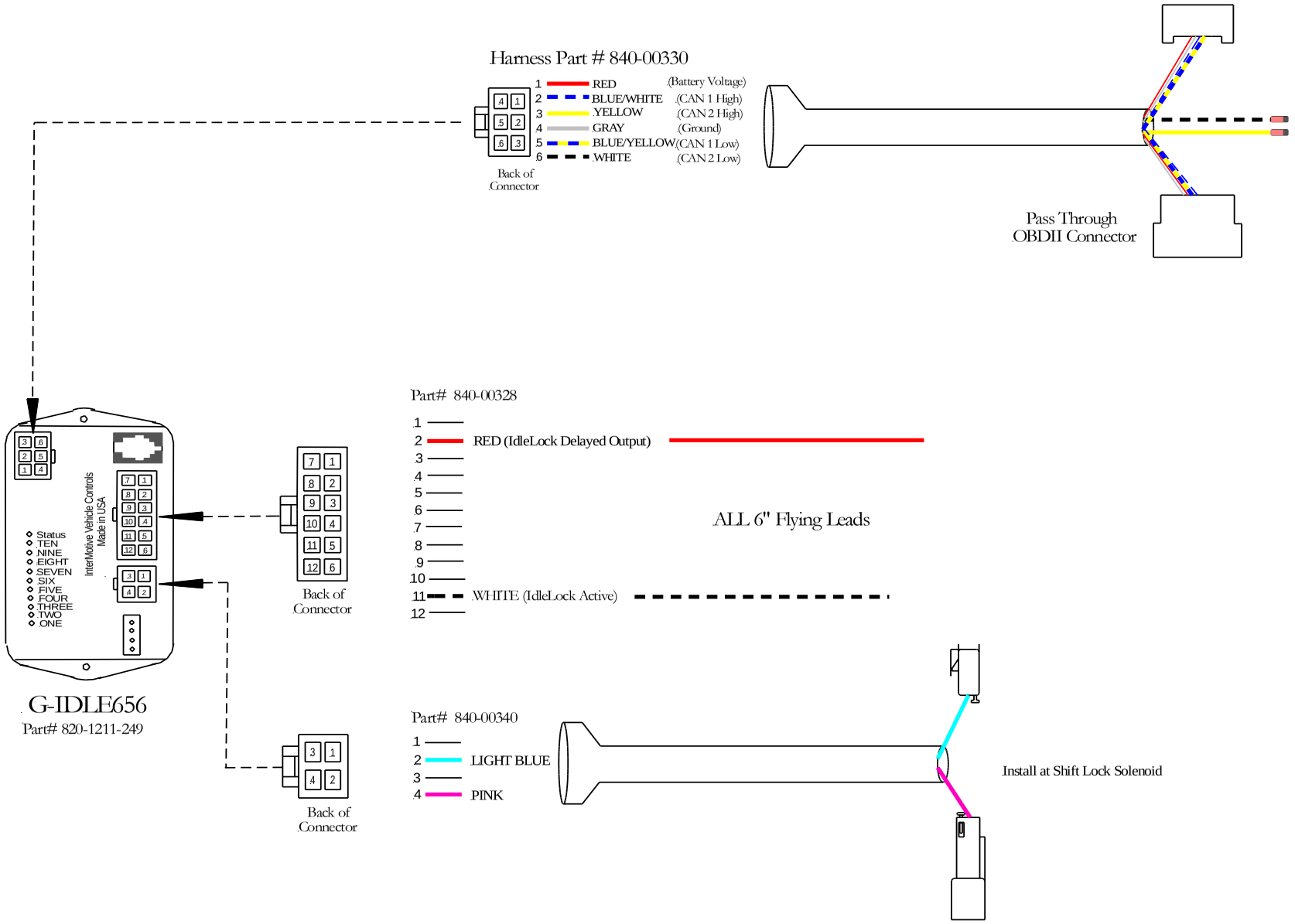
	LED ON
LED1	Internal use
LED2	Internal use
LED3	Internal use
LED4	High Beams ON
LED5	TR not in Park
LED6	RPM < 350
LED7	Internal use
LED8	20 sec output timer
LED9	Delayed output active
LED10	Idle Lock Active

Delay Output Timer Programming sequence

By default the IdleLock delay timer is set to 10 seconds. The timer can be set to 20 seconds by performing the following sequence.

1. Turn ignition ON with engine OFF
2. Keep the transmission in **PARK.**
3. Press the red test button to get in to the diagnostic mode.
4. Confirm LED8 is off. This indicates the timer is set to 10 seconds.
5. Open the Driver Door.
6. Cycle the High Beams On/Off 3 times within 5 seconds.
7. All LED's will flash once for confirmation.
8. LED 8 off means the delay timer is 10 seconds. LED 8 on means delay timer is 20 seconds.

Repeating this procedure will toggle between the times.



Submit product registration at www.intermotive.net

If the G-IDLE656 fails any step in the System Operation Test, review the installation instructions and check all connections.
If necessary, call InterMotive Technical Support at (530) 823-1048

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