

**IDLE601  
Anti-Theft  
2015 - 2016 Chevy Tahoe  
2015 - 2016 Chevy Silverado**  
**Contact InterMotive for additional vehicle applications.**



## Introduction

Idle-Lock is an anti-theft system that keeps an unattended vehicle's engine idling with the key removed and shifter locked in Park. Idle-Lock is instantly disabled when the key is inserted and turned to Run.

## Installation Instructions

**Disconnect vehicle battery before proceeding with installation**



**WARNING**  
Disconnect the battery to  
prevent setting a check engine  
light.

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.

## IDLE601 Module

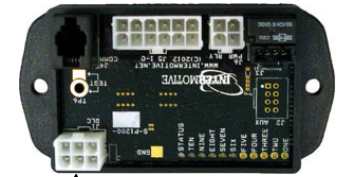
Find a location to mount the module.

Ensure when routing harnesses that the tilt steering column does not contact them in the full down position. When installing the harnesses, leave several inches of take-out such that the module can be removed if necessary.

## Installation Instructions (continued)

### Data Link Harness

1. Locate the vehicle's OBDII Data Link Connector. It will be mounted below the lower left dash panel.
2. Remove the mounting screws for the OBDII connector. Plug the Red connector from the Idle-Lock Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secure connectors together with the supplied wire tie.
3. Mount the Black pass through connector from the Idle-Lock Data Link Harness in the former location of the vehicle's OBDII connector.
4. Secure the Idle-Lock Data Link harness so that it does not hang below the lower dash panel.
5. Plug the free end of the Data Link harness into the mating 6-pin connector on the Idle-Lock module.



↑ Data Link Harness plugs in here

### Ignition Switch Harness

The ignition switch must be accessed in order to connect the Idle-Lock ignition harness.

- Remove two T27 torx screws from lower dash panel. Solid arrows in image indicate screw locations.
- Firmly grasp right side of lower dash panel and pull towards the rear of the vehicle to release clips. Dashed arrows in image indicate approximate clip locations. The left side of the lower dash panel will still be connected to vehicle.



## Ignition Switch Harness (continued)

- Remove steering column tilt lever by pulling away from steering column.



- Image shows steering column after steering column tilt lever has been removed.



- Remove lower half of steering column cover. There are several clips. To release, apply inward pressure on top half of cover and pull down on lower half of cover.



## Ignition Switch Harness (continued)

- Locate ignition switch connector. Use image for reference.



- Remove the OEM 6 pin connector from the ignition switch and connect it to the female connector of the Idle-Lock harness. Connect the male Idle-Lock connector to the OEM ignition switch.



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

#### **Lock Output**

Pin 2, White wire of the 12 pin connector is the Idle-Lock output. This output (500mA max current) can control installer supplied normally closed relays to disable the trunk and weapon rack release buttons when Idle-Lock is active. When Idle-Lock activates this output, the relays will open the circuits from the buttons and disable them. This minimizes possible theft when Idle-Lock is active and the vehicle is unattended.

When Idle-Lock is enabled, this output becomes active after a **10 second delay**. This output remains active until the key is back in the run position.

## **I/O Wiring, Features, and Descriptions:** (continued)

### **Idle-Lock Active Output**

Pin 11, Yellow 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 run position.

### **Idle-Lock Enable Switch and Active LED**

An LED is provided in the kit which lights when Idle-Lock is active.

1. Drill a 16mm (0.630") hole in the desired mounting location. One possibility is the dash panel to the left of the Steering Wheel.
2. Route the LED harness through the hole and mount the LED in the hole.
3. Slide the LED's lock nut onto the harness and snug it down onto the back of the LED.
4. Plug in the 4 pin (Black) connector of the LED harness into the mating connector on the Idle-Lock main harness.
5. Apply optional "Idle-Lock Enable/Active" label included in the kit.



### **IDLE601 Module Mounting**

Ensure all harnesses are properly connected and routed, and are not hanging below the dash area. Mount the module as described on page one and secure with supplied screws or double sided tape.

### **IDLE601 Harness (4 Pin connector and 12 Pin connector)**

1. Plug the IDLE601 12 Pin connector into the mating 12 pin connector on the IDLE601 module.
2. Plug the IDLE601 4 Pin connector into the mating 4 pin connector on the IDLE601 module.

### **Reconnect the vehicle battery**

## Post Installation Operational Test

**Test 1.** Start the Engine.

**Test 2.** While the engine is running, enable Idle-Lock by momentarily pressing the enable switch.

- The Red LED will flash five times and then blink every two seconds.
- Remove the key from the ignition within 3 seconds, the engine will continue to idle.
- Idle-Lock is now active.

**Test 3.** Attempt to shift the vehicle out of Park. The system will keep the shifter locked.

**Test 4.** Verify that weapon rack and trunk release switches are disabled at the proper times (if wired).

**Test 5.** Insert key and turn to RUN. The vehicle should be able to shift out of Park and the trunk and weapons rack release switches should operate normally.

- The system will deactivate (shut down engine) if anyone defeats the OEM shift lock mechanism and shifts the vehicle out of Park.

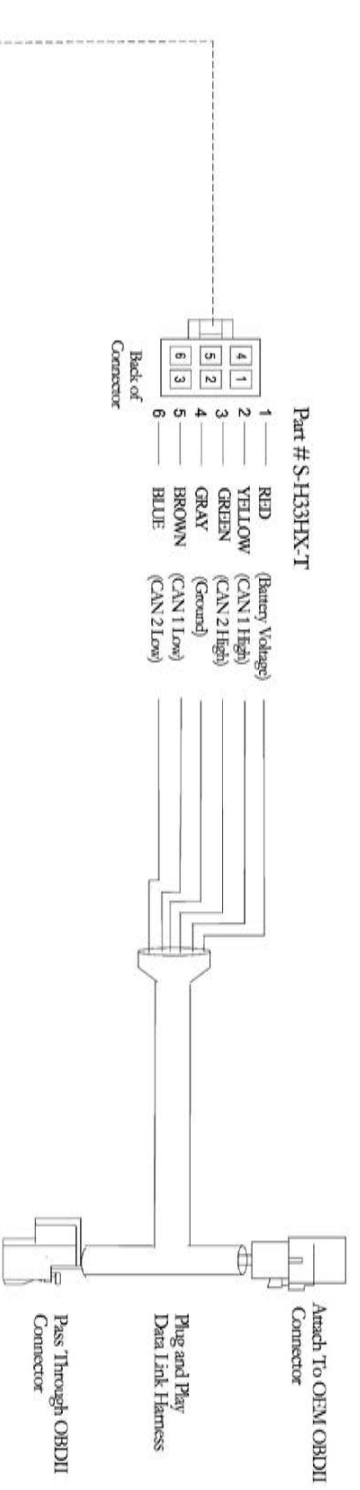
**If the system fails any of the above tests, check the related wiring. If necessary, call InterMotive Technical Support at 530-823-1048. Do NOT release vehicle for service unless it has passed ALL of the above tests.**

**Leave in Vehicle  
Operating Instructions  
IDLE601-A  
2015 - 2016 Chevy Tahoe  
2015 - 2016 Chevy Silverado**

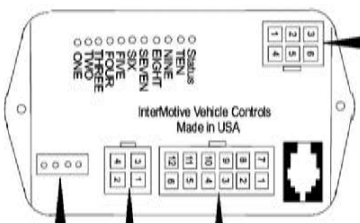


Idle-Lock is an anti-theft system that keeps an unattended vehicle's engine idling with the key removed and shifter locked in Park. Idle-Lock is instantly disabled when the key is inserted and turned to Run.

- Idle-Lock is enabled by removing the key from the ignition within 3 seconds of pressing the Idle-Lock enable switch. Transmission must be in Park.
- To prevent unattended vehicle theft (Idle-Lock active), the engine will turn off if someone successfully defeats the OEM shift lock mechanism to shift the vehicle out of Park. The trunk and weapons rack release buttons will remain disabled.
- Inserting the key and turning it to Run restores normal operation. Trunk and weapons rack release buttons are restored to normal operation.

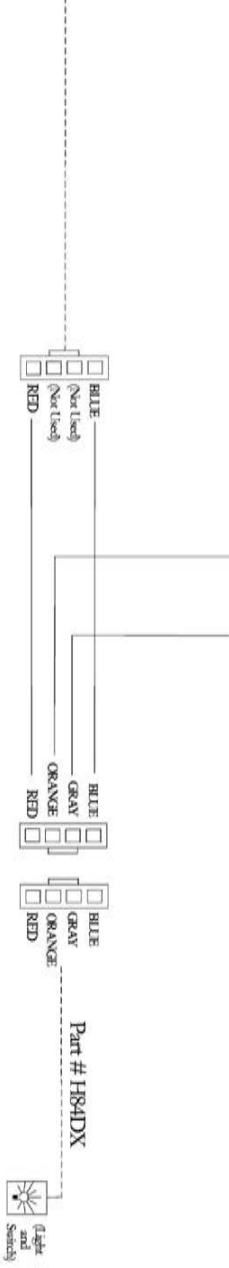
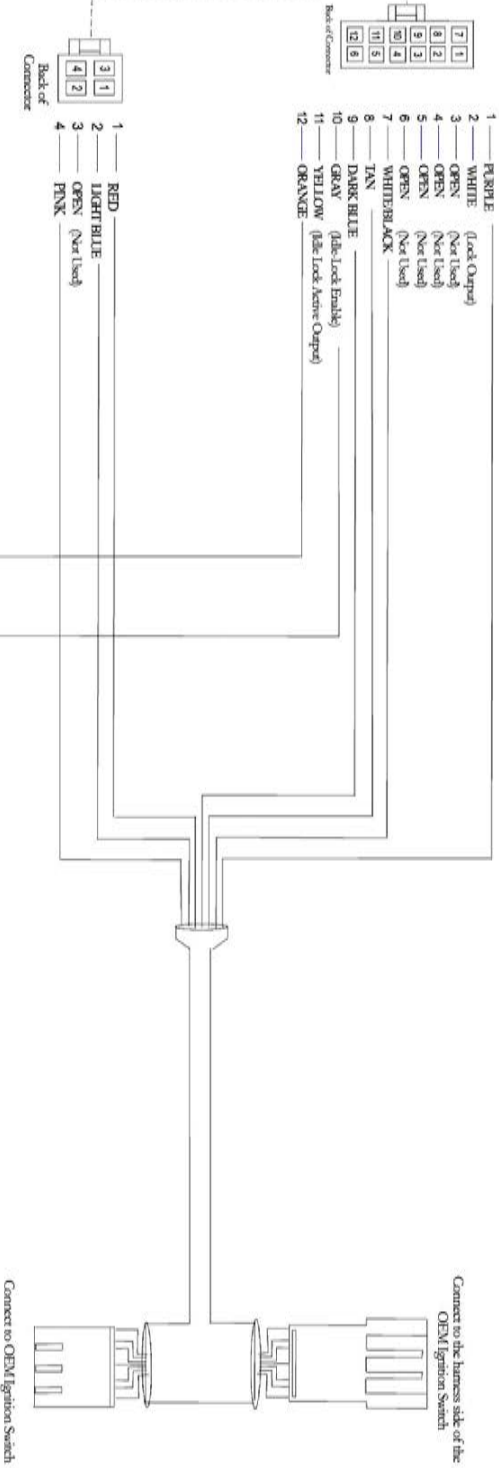


Part # S-H33HX-T



IDLE LOCK 601  
Part # S-M1200-73

Part # S-H87JX



**Submit product registration at [www.intermotive.net](http://www.intermotive.net)**

If the Idle-Lock 601 fails any step in the Post Installation Test, review the installation instructions and check all connections.  
If necessary, call InterMotive Technical Support at (530) 823-1048.