

Idle-Lock™ IDLE552-A

Anti-Theft

2007-2011 Ford Crown Victoria Police Interceptor

Contact InterMotive for additional vehicle applications.



Introduction

Idle-Lock is an anti-theft system that allows an unattended vehicle's engine to idle with the key removed from the ignition and the shifter locked in park. The system is activated by pressing a momentary enable switch and removing the key within three seconds. 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 up fitter circuits.

IDLE552 Module

Remove the lower dash panel below the steering column and find a suitable location to mount the module. Locate the module in an area away from excessive heat sources (engine, heater ducts, etc.). Ensure when routing harnesses that the tilt steering column does not contact them in the full down position. Do not mount the module until all wire harnesses are routed and secure. The last step of the installation is to mount the module. When installing the harnesses, leave several inches of take-out so the module can be removed if necessary.

Data Link Harness Installation

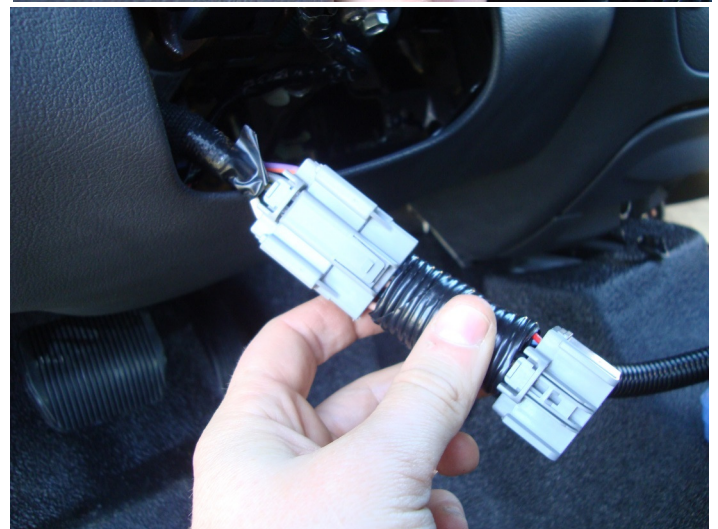
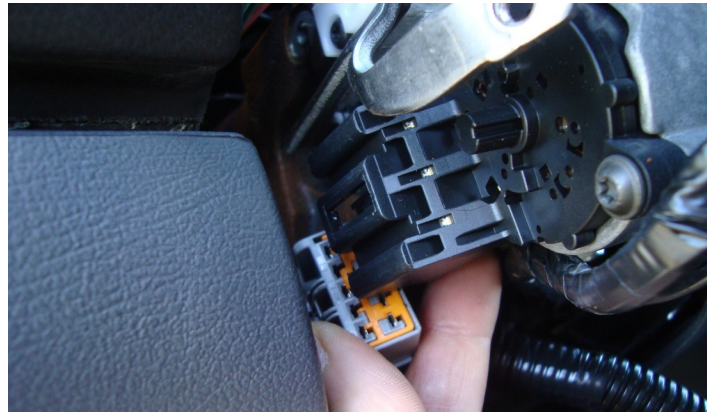
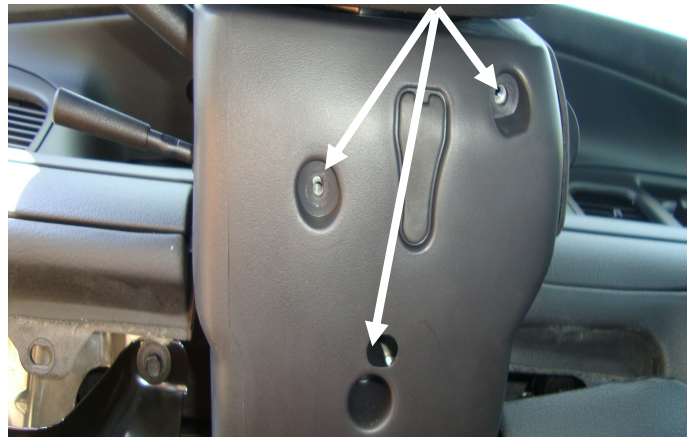
1. Locate the vehicle's OBDII Data Link Connector. It will be mounted below the lower left dash panel.
2. Remove the mounting screws for the OBDII connector. Plug the Red connector from the Idle-Lock Data Link Harness into the vehicle's OBDII connector. Ensure the connection is fully seated and secure 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



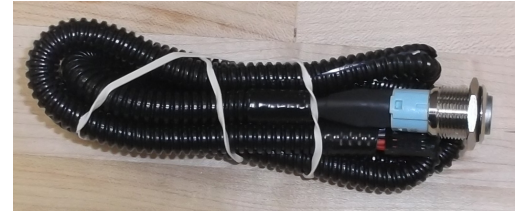
Ignition Switch harness Installation

- Remove the lower steering column housing by removing the 3 screws.
- Locate the 10 pin Ignition Switch Connector.
- Remove the 10 pin connector from the Ignition Switch.
- Plug the OEM harness side of the 10 pin Ignition Switch into the mating Intermotive Ignition Switch 'T' Harness (see picture).
- Plug the other end of the Intermotive Ignition Switch 'T' harness into the OEM Ignition Switch (see picture).



Idle-Lock Enable Switch and Active LED

An switch with an integrated LED is provided in the kit. The switch is used to enable Idle-Lock. The LED will flash to indicate 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.

IDLE552 Harness (4 Pin connector and 12 Pin connector)

1. Plug the IDLE552 12 Pin connector into the mating 12 pin connector on the IDLE552 module.
2. Plug the IDLE552 4 Pin connector into the mating 4 pin connector on the IDLE552 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 10 seconds after removing the key in Idle-Lock mode (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.

IDLE552 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.

Leave in vehicle
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Operating Instructions
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- Idle-Lock is activated by pressing the Idle-Lock enable switch and removing the key from the ignition within 3 seconds. Idle-Lock can only be enabled with the engine running and the transmission in park.
- When active, Idle-Lock will disable the weapons rack and trunk release switches (if wired) 10 seconds after the key is removed.
- 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.

