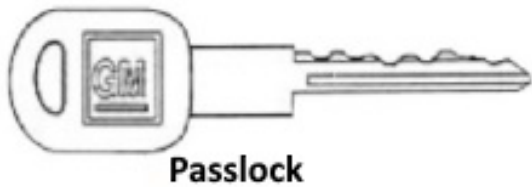


General Motors

Passlock – Coded Lock Cylinder and Relearn Procedure



The Passlock anti-theft system requires the presence of a key in the lock cylinder to enable starting. The lock cylinder contains a stationary Hall effect sensor and a rotating magnet. When the key is turned in the lock cylinder, the magnet creates a signal on the Hall effect sensor. The cylinder then sends a coded signal to the instrument panel cluster (IPC) or body control module BCM. If the IPC/BCM receives the expected coded signal, the IPC/BCM will send a message over serial data to inform the PCM that the vehicle may be started.

IMPORTANT: To perform a relearn on a Passlock system, make sure there is a fully charged battery in the vehicle. The battery will be used for 30 minutes without the alternator available for charging.

Connect a battery charger to the battery to ensure power is available while programming. Both the IPC/BCM and PCM must be working and communicating with each other.

Pre-Relearn Procedure Check List

- Fully Charge Battery
- Clear all Diagnostic Trouble Codes (DTC). Record and/or repair your DTCs before clearing. You can clear the codes by disconnecting the battery for 10 minutes.

Relearn Procedure

1. Turn ignition on.
2. Attempt to start the engine, and then release the key to the "ON" position.
3. Observe the "SECURITY" indicator light. After 10 minutes the "SECURITY" indicator light will turn off.
4. Turn ignition to the "OFF" position, and wait 10 seconds.
5. Attempt to start the engine, and then release the key to the "ON" position.
6. Observe the "SECURITY" indicator light. After 10 minutes the "SECURITY" indicator light will turn off.
7. Turn ignition to the "OFF" position, and wait 10 seconds.
8. Attempt to start the engine, and then release the key to the "ON" position.
9. Observe the "SECURITY" indicator light. After 10 minutes the "SECURITY" indicator light will turn off.
10. Turn ignition to the "OFF" position, and wait 30 seconds.
11. Vehicle has now learned the new password. Start the engine.
12. With a scan tool, clear any trouble codes.

IMPORTANT: *For most cars, one 10-minute cycle will be enough for the vehicle to learn the new password. Perform all 3 cycles if the car will not start after 1 cycle. Most trucks will require all 3 cycles for learning the password.*

Contact Us

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