

Programming Theft Deterrent System Components

Important:

- The body control module (BCM) must be programmed with the proper RPO configurations before performing learn procedures. See [Body Control Module \(BCM\) Programming/RPO Configuration](#).
- If replacing the BCM with a GM Service Parts Operations (SPO) replacement part, the module will learn passlock™ sensor data code immediately. The existing PCM however, must learn the new fuel continue password when the BCM is replaced.
- If replacing a PCM with a GM Service Parts Operations (SPO) replacement part, after programming, these modules will learn the incoming fuel continue password immediately upon receipt of a password message. Once a password message is received, and a password is learned, a learn procedure must be performed to change this password again. A PCM which has been previously installed in another vehicle will have learned the other vehicle's fuel continue password and will require a learn procedure after programming to learn the current vehicle's password.

Conditions

Use this procedure after replacing:

- Passlock™ Sensor
- BCM
- PCM

Learn Procedures

There are two available methods to perform the programming procedure:

- A 10 minutes procedure which requires a Tech 2 and a techline terminal.
- A 30 minutes procedure which does not require the use of any tools.

10 Minute Learn Procedure

Tools Required

- Tech 2
- Techline terminal with current (SPS) Service Programming System software

1. Connect the Tech 2 to the vehicle.
2. Select "Request Information" under "Service Programming".
3. Disconnect the Tech 2 from the vehicle and connect it to a techline terminal.
4. On the techline terminal, select "Theft Module Re-Learn" under "Service Programming".
5. Disconnect the Tech 2 from the techline terminal and connect it to the vehicle.
6. Turn ON the ignition, with the engine OFF.
7. Select "VTD Re-Learn" under "Service Programming".

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8. Attempt to start the engine, then release the key to ON, vehicle will not start.
9. Observe the SECURITY telltale, after approximately 10 minutes the telltale will turn OFF, the vehicle is now ready to relearn the Passlock™ Sensor Data Code and/or password on the next ignition switch transition from OFF to CRANK.
10. Turn OFF the ignition, and wait 5 seconds.
11. Start the engine, the vehicle has now learned the password.
12. With the Tech 2 scan tool, clear any DTCs.

30 Minute Learn Procedure

1. Turn ON the ignition, with the engine OFF.
2. Attempt to start the engine, then release the key to ON, vehicle will not start.
3. Observe the SECURITY telltale, after approximately 10 minutes the telltale will turn OFF.
4. Turn OFF the ignition, and wait 5 seconds.
5. Repeat steps 1 through 4 two more times for a total of 3 cycles/30 minutes, the vehicle is now ready to relearn the Passlock™ Sensor Data Code and/or passwords on the next ignition switch transition from OFF to CRANK.

Important: The vehicle learns the Passlock™ Sensor Data Code and/or password on the next ignition switch transition from OFF to CRANK. You must turn the ignition OFF before attempting to start the vehicle.

6. Start the engine, the vehicle has now learned the Passlock™ Sensor Data Code and/or password.
7. With a scan tool, clear any DTCs if needed, history DTCs will self clear after 100 ignition cycles.