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Programming Theft Deterrent System Components (Domestic, Canada, and Japan)

PROGRAMMING THEFT DETERRENT SYSTEM COMPONENTS (DOMESTIC, CANADA, AND JAPAN)

NOTE**Important**

When replacing an engine control module (ECM) with a GM SPO replacement part, the new ECM will learn the incoming password of the remote control door lock receiver (RCDLR) immediately upon the next ignition switch from OFF to CRANK. If the ECM is being replaced with an SPO replacement part, the theft deterrent password learn procedure is not required.

An ECM which has been installed in another vehicle will have learned the theft deterrent password of that particular vehicle's RCDLR. Perform either the 10-minute relearn procedure or the 30-minute relearn procedure to learn the password of the current vehicle's RCDLR.

A new RCDLR installed in a vehicle will require having the ECM (if equipped) learn the new RCDLR's password. Perform either the 10-minute relearn procedure or the 30-minute relearn procedure to learn the password of the new RCDLR.

10-MINUTE RELEARN PROCEDURE

Use this procedure after replacing any of the following components:

- Remote control door lock receiver (RCDLR)
 - The engine control module (ECM) — if previously installed in another vehicle
1. Connect a scan tool to the vehicle.
 2. Turn ON the ignition, with the engine OFF.
 3. Insure that all power consuming devices are turned OFF on the vehicle.
 4. With a scan tool, select Request Info. under Service Programming System and follow the scan tool on-screen instructions.
 5. Disconnect the scan tool from the vehicle and connect the scan tool to a Techline Terminal with the current Service Programming System (SPS) software.
 6. On the Techline Terminal, select Service Programming System and follow the Techline Terminal on-screen instructions. Ensure the correct programming procedure is selected based on component being replaced or programmed.

For ECM password learn, select Theft Deterrent Learn for ECM on the SPS terminal.
 7. Disconnect the scan tool from the Techline Terminal and re-connect the scan tool to the vehicle.
 8. Turn ON the ignition, with the engine OFF.
 9. With a scan tool, select Program ECU under Service Programming

System.

10. At this point the scan tool must remain connected for the duration of the 10-minute relearn procedure.

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11.

NOTE

Important

 - The scan tool will initially display 12 Minutes. The first 2 minutes allow the scan tool to initialize the appropriate control module. The remaining 10 minutes is the relearn timer.
 - On some vehicles the SECURITY indicator may be illuminated for the duration of the 10-minute relearn procedure.

Observe the scan tool. After approximately 10 minutes the scan tool will display Programming Successful, Turn OFF Ignition. The vehicle is now ready to learn the passwords on the next transition from OFF to CRANK.

12. Turn OFF the ignition and wait 5 seconds.
13. Start the vehicle. The module being programmed has now learned the RCDLR password.
14. With a scan tool, clear any DTCs.

30-MINUTE RELEARN PROCEDURE

Use this procedure after replacing any of the following components:

- Remote control door lock receiver (RCDLR)
- The engine control module (ECM) if previously installed in another vehicle

1.

NOTE

Important
This procedure is not available on vehicles equipped with EXPORT configured modules.

Press and hold the OFF/Acc button for approximately 4 seconds to turn the ignition ON, with the engine OFF.

2. Observe the Security indicator. After approximately 10 minutes the indicator will turn off.
3. Turn OFF the ignition, and wait 5 seconds.
4. Repeat steps 1–3 two more times for a total of 3 cycles or 30 minutes.

5.

NOTE

Important
The vehicle learns the password on the transition from OFF to CRANK. You must turn the ignition OFF before attempting to start the vehicle.

Start the vehicle. The module being programmed has now learned the RCDLR password.

6. With a scan tool, clear any DTCs.