

2022 CHEVROLET CORVETTE SERVICE MANUAL

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Remote Control Door Lock and Theft Deterrent Transmitter Programming

Programming Transmitters

Transmitters can be programmed in various ways using the procedures outlined below. Using the Replacing Transmitters procedures will first erase all the known transmitters from the vehicle. Any existing transmitters and any new transmitters will then be programmed. This procedure should be used any time a transmitter is required to be unlearned or erased from a vehicle. If a new transmitter is being learned to a vehicle to replace a damaged, inoperative, or stolen transmitter, the Replacing Transmitters procedure must be used. This ensures that the old transmitter cannot be used to access or start the vehicle after programming.

The Adding Transmitters procedure does not erase any transmitters prior to programming. The procedure will simply program the transmitter into the next available slot. The Adding Transmitters procedure should only be used when adding an additional transmitter to the vehicle. The Adding Keys procedure should never be used to program a transmitter to a vehicle that is having a transmitter replaced, regardless of the cause for the replacement.

Replacing Transmitters (With SPS)

Note:

- To prevent errors or immobilizer learn failure, the vehicle must be in Park (for automatic transmission) or Neutral with park brake applied (for manual transmission).
 - This procedure will unlearn all previously learned transmitters. All transmitters that are to be programmed must be with the vehicle.
 - A minimum of two transmitters must be learned during this procedure. The vehicle will not exit the learn mode until at least a second transmitter is learned.
 - This procedure may be used with or without existing learned transmitters being present.
 - This procedure will take more than 15 minutes to complete.
 - A total of eight transmitters can be learned to a single vehicle.
 - This procedure will only learn the vehicle transmitter information. This procedure will not learn any immobilizer information between the body control module (BCM) and engine control module (ECM).
 - If the battery voltage is low, charge the battery before continuing with the procedure.
1. Connect a scan tool to the vehicle and access SPS.
 2. Ensure that all power consuming devices are turned OFF on the vehicle.
 3. Select the SPS application and follow the on-screen instructions.
 4. Select Reprogram ECU.
 5. Select IMMO Immobilizer Learn - Setup.
 6. Select the Program Transponder or Remote Key (Delete) function.
 7. Note:
 - At multiple times during the learn procedure, SPS will instruct you to turn the ignition to the run position. Make sure the vehicle is actually in the run mode before continuing on the SPS terminal. If the igniting is not in the run mode, the learn procedure will fail. To verify the vehicle is in Run mode, verify the green LED is illuminated on the ignition mode switch.
 - For the transmitter pocket location refer to the Remote Keyless Entry (RKE) System Operation document in the owner manual.
 8. Follow the on-screen instructions.

9. After programming all transmitters, Programming Complete, is displayed.
10. Press and hold the ignition mode switch for 15 seconds.
11. Press the lock and unlock button on each transmitter that was programmed. This will awaken each transmitter and allow passive and active keyless entry functions to be established.
12. With a scan tool, clear any DTCs.
13. Verify each transmitter that was programmed is operating properly. Operate each of the keyless entry functions using the buttons on the transmitter and then start the vehicle. When verifying operation, make sure that no other transmitters are near the vehicle.

Adding Transmitters (With SPS)

Note:

- To prevent errors or immobilizer learn failure, the vehicle must be in Park (for automatic transmission) or Neutral with park brake applied (for manual transmission).
 - This procedure may be used with or without existing learned transmitters being present.
 - This procedure will take more than 15 minutes to complete.
 - A total of eight transmitters can be learned to a single vehicle.
 - This procedure will only learn the vehicle transmitter information. This procedure will not learn any immobilizer information between the body control module (BCM) and engine control module (ECM).
 - If the battery voltage is low, charge the battery before continuing with the procedure.
1. Connect a scan tool to the vehicle and access SPS.
 2. Ensure that all power consuming devices are turned OFF on the vehicle.
 3. Select the SPS application and follow the on-screen instructions.
 4. Select Reprogram ECU.
 5. Select IMMO Immobilizer Learn - Setup.
 6. Select the Program Transponder or Remote Key (Add) function.
 7. Note:
 - At multiple times during the learn procedure, SPS will instruct you to turn the ignition to the run position. Make sure the vehicle is actually in the run mode before continuing on the SPS terminal. If the igniting is not in the run mode, the learn procedure will fail. To verify the vehicle is in Run mode, verify the green LED is illuminated on the ignition mode switch.
 - For the transmitter pocket location refer to the Remote Keyless Entry (RKE) System Operation document in the owner manual.
 8. Follow the on-screen instructions.
 9. After programming all transmitters, Programming Complete, is displayed.
 10. Press and hold the ignition mode switch for 15 seconds.
 11. Press the lock and unlock button on each transmitter that was programmed. This will awaken each transmitter and allow passive and active keyless entry functions to be established.
 12. With a scan tool, clear any DTCs.
 13. Verify each transmitter that was programmed is operating properly. Operate each of the keyless entry functions using the buttons on the transmitter and then start the vehicle. When verifying operation, make sure that no other transmitters are near the vehicle.