

Remote Control Door Lock, Theft Deterrent, and Remote Start Transmitter Package Installation

[Installation Instructions Part Number](#)

84432218

Note: To add Remote Start, the vehicle must have an automatic transmission. The BCM must know that the hood is closed before cranking the engine.

Adding remote vehicle start requires programming of the vehicle. This is done with a Service Programming System. The installer needs to call the Techline Customer Support Center (TCSC). The TCSC will provide a Vehicle Configuration Index (VCI). The VCI is good for only one specific Vehicle Identification Number (VIN).

Kit Contents

Qty	Description
2	Key Fobs
1	One Page Installation Instructions with Authorization Code Label

Tools Required

- Scan Tool (with Pass Thru programming capability)
- Service Programming System (SPS – TIS 2000 or equivalent system with Pass Thru programming capability)

[Procedure](#)

Note: Please review this entire procedure before trying to perform it.

Note: When calling the TCSC, you must use the Authorization Code from the kit.

Verify the vehicle is equipped with an automatic transmission, and also verify the vehicle does not already have the option BTM (Factory Remote Start). This can be done by using the GM Vehicle Inquiry System (GMVIS). Call TCSC (1-888-337-1010) for programming requirements and instructions. You must have the vehicle's VIN that will be upgraded and the following Authorization Code from label: This will allow you to access the software to enable the remote vehicle start option.

[Programming Section](#)

Programming Vehicle

Body Control Module Programming and Setup (Calibrate the BCM for BTM)

Note:

- DO NOT program a control module unless directed to by a service procedure or a service bulletin. If the ECU is not properly configured with the correct calibration software, the ECU will not control all of the vehicle features properly.
- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or 50% damage may occur.

- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt programming. Install the EL - 49642 SPS Programming Support Tool to maintain system voltage. If not available, connect a fully charged 12V jumper or booster pack disconnect from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, radio, etc.
- During the programming procedure, follow the SPS prompts for the correct ignition switch position.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.

Reprogramming ECU

To program an existing BCM, perform the following procedure:

1. Install EL - 49642 SPS programming support tool.
2. Access the Service Programming System (SPS) and follow the on-screen instructions.
3. On the SPS Supported Controllers screen, select BCM Body Control Module – programming and follow the on-screen instructions.
4. Perform the following for the appropriate ignition type prior to proceeding with the next step:
 - Key Ignition System: key in the ignition and any additional keys must be away from the vehicle at least 3 meters.

Note: When performing the Tire Pressure Monitor Sensor Learn during BCM setup, the EL-46079 tire pressure monitor diagnostic tool must be used to activate each tire pressure sensor for vehicles with UJM.

5. On the SPS Supported Controllers screen, select BCM Body Control Module - Setup and follow the on-screen instructions.
6. Check the driver information center display for additional messages regarding further calibration instructions. If there are no additional driver information center instructions present, programming is complete.
7. On the SPS Supported Controllers screen , select IMMO Immobilizer Learn - Setup.
8. Select Program Transponder or Remote Key (Delete) function.

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.

Note: The transmitter pocket can be found in the following locations:

- Chevrolet Blazer — front cupholder.
9. Follow the on-screen instructions.
 10. After programming all transmitters, Programming Complete is displayed.
 11. Press and hold the ignition mode switch for 15 seconds.
 12. 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.
 13. With a scan tool, clear any DTCs.
 14. 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.

15. If ABS, Traction Control and/or Stabilitrak indicators are ON and DTC C0161 is set in the electronic brake control module after performing BCM programming and setup, do the following;
 - 15.1. Disconnect the scan tool from the data link connector.
 - 15.2. Ignition OFF, all access doors closed, all vehicle systems OFF, and all keys at least 3 meters away from the vehicle. It may take up to 2 minutes to power down.
 - 15.3. Ignition ON, verify DTC C0161 is in history. If not, repeat the above step to make sure the vehicle is in sleep mode.
 - 15.4. Use the scan tool to clear the DTC's.

Unsuccessful Programming Recovery

In the event of an interrupted or unsuccessful programming event, perform the following steps:

1. DO NOT turn the ignition OFF. Ensure that all ECU, DLC and programming tool connections are secure and the TIS terminal operating software is up to date.
2. Attempt to reprogram the ECU.
3. If the ECU can still not be programmed, turn the ignition OFF for at least one minute.
4. Turn the ignition ON and attempt to reprogram the ECU. The ECU should program.
If the ECU still cannot be programmed, replace the ECU.
 - Add the transmitters to the customer key rings and return to customer.
 - Return the old transmitters to customer.

Note: The first two transmitters programmed will serve as the master keys, identifying seat positions with each of the two transmitters.