

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

[Installation Instructions Part Number](#)

22741614

[Kit Usage](#)

This kit adds remote start to vehicles with option AQQ but without option BTV. The vehicle must also have an automatic transmission. 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	Transmitters
1	Hood Primary and Secondary Latch
1	Vehicle Label
1	Hood Switch Harness
1	Authorization Code

Tools Required

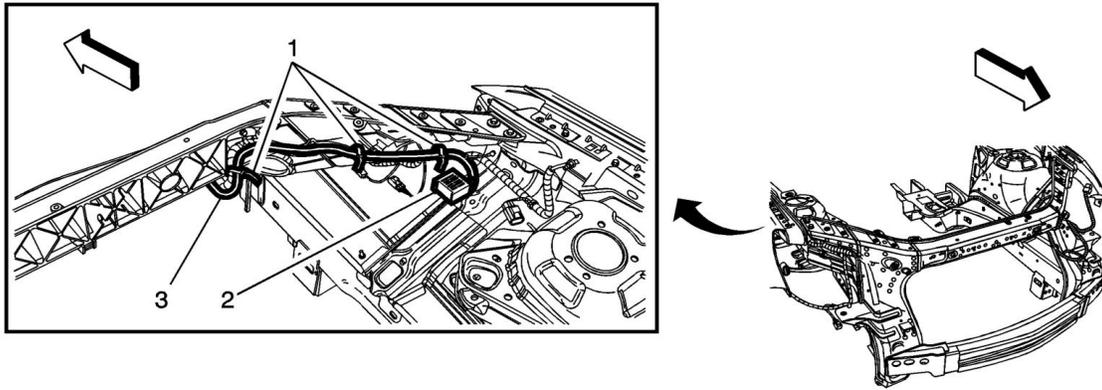
- Scan Tool (with Pass Thru programming capability)
- Service Programming System (SPS – TIS 2000 or equivalent system with Pass Thru programming capability)
- Surface Cleaner 50 percent isopropyl alcohol, FS-1082 hi-flash naphtha or equivalent)

[Procedure](#)

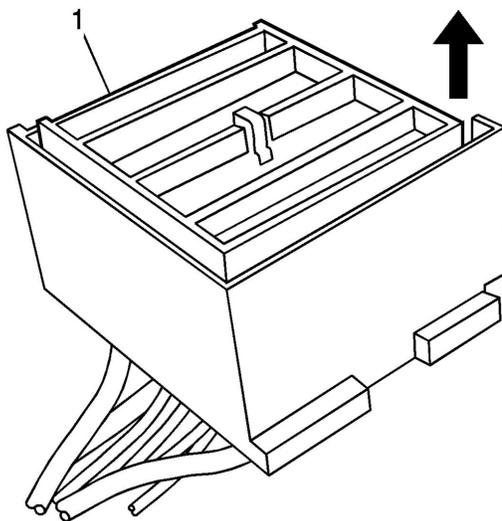
Note: Please review this entire procedure before trying to perform it.

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

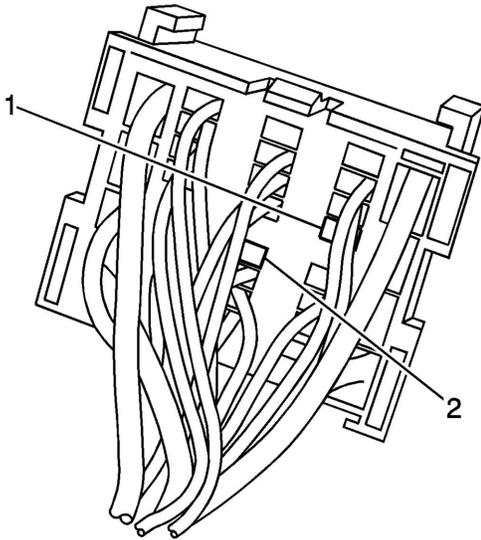
1. Verify the vehicle has the AQQ option and does not have the option BTV. This can be done by using the GM Vehicle Inquiry System (GMVIS) or the vehicle's Service Parts ID Label. Call TCSC (1-888-337-1010) to obtain a VCI number. You must have the vehicle's VIN that will be upgraded and the following Authorization Code from label: This will allow you to access the software to enable the remote vehicle start option.
2. Remove hood latch and install new latch. Refer to [Hood Primary and Secondary Latch Replacement](#).
3. Connect the hood switch wiring harness to the hood switch.
4. Loosen the coolant recovery reservoir to access the routing path by removing two bolts.



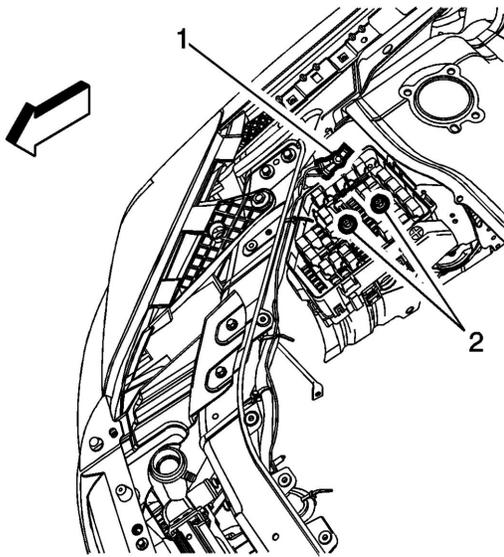
5. Route the hood switch wiring harness (3) into the engine compartment along the forward lamp harness toward the underhood electrical center connector X1 (2). Secure the hood switch wiring harness (3) to the forward lamp harness with three integral tie wraps (1).
6. Remove the underhood electrical center. Refer to [Underhood Electrical Center or Junction Block Replacement](#).
7. Remove underhood electrical center connectors X1 and X3 from the electrical center bracket.
8. Remove the underhood electrical center forward lamp harness connector X1 from the connector X3.



9. Lift the secondary lock (1) from the forward lamp harness connector.



10. Insert terminals from the hood switch wiring harness into connector X1. Ensure that the pink/black wire labeled "Cavity 17" is in cavity 17 (2). Ensure that the purple wire labeled "Cavity 8" is in cavity 8 (1).
11. Reinstall the secondary lock on the forward lamp harness connector.
12. Snap connector X1 and connector X3 together and stage the connectors into the underhood electrical center bracket.
13. Reinstall the underhood electrical center. Refer to [Underhood Electrical Center or Junction Block Replacement](#).



14. Route the hood switch wiring harness ground ring terminal to G102 ground location (1).
Caution: Refer to [Fastener Caution](#).
15. Remove the G102 ground bolt, add the hood switch wiring harness ground ring terminal under the existing ring terminal, and secure with original bolt and tighten to 9 Y (80 lb in).
16. Reinstall the coolant recovery reservoir bolts. Refer to [Coolant Recovery Reservoir Replacement](#).
17. Adjust the hood latch placement as needed for proper hood alignment.
18. Reinstall removed components.

19. Using the Scan Tool and SPS terminal, reprogram the theft deterrent module (TDM, not VTD). Use "Normal" mode, and select the calibration with remote start. Refer to the TDM portion of [Theft Deterrent Module Programming and Setup](#).
20. Reprogram the body control module (BCM) using the method called out by the TCSC. Refer to [Body Control Module Programming and Setup](#).
21. Turn the ignition off for 1 minute.
22. Turn the ignition on.
23. Using the scan tool, retrieve any diagnostic trouble codes (DTCs) from all of the modules.
24. Clear all DTCs.
25. Remove the scan tool.
26. Program the new transmitters to the remote control door lock receiver using the scan tool.

Note: All transmitters that are to be recognized must be programmed in a single programming sequence. If the system is placed in program module it will erase all previously programmed transmitters upon the receipt of the programming signal from the first transmitter. Up to 4 transmitters can be programmed. Do not operate or program the transmitters in the vicinity of other vehicles that are in the keyless entry program mode. This prevents the programming of the transmitters to the incorrect vehicle.

- Using a scan tool, access the Remote Control Door Lock Receiver (RCDLR) Module Setup: Program Key Fobs.
- Press the START soft key on the scan tool.

Note: The scan tool must stay connected until all of the transmitters are programmed.

- Press and hold the LOCK button and the UNLOCK button simultaneously on one transmitter. After a delay of 5 - 10 seconds, the scan tool will indicate that the transmitter is programmed.
- Repeat the previous step in order to program up to 4 transmitters.
- Remove the scan tool.
- Operate the transmitter functions in order to verify correct system operation.

27. Add the transmitters to the customer key rings.