

Locksmith & Unlock Cable Installation Instructions



***2019+ Chevy Silverado &
GMC Sierra Gas Engine***

▲WARNING: *Failure to follow the ECM Unlock Cable instructions in the proper order may result in damage to the vehicle, device, and included hardware. Please refer to all included instructions.*

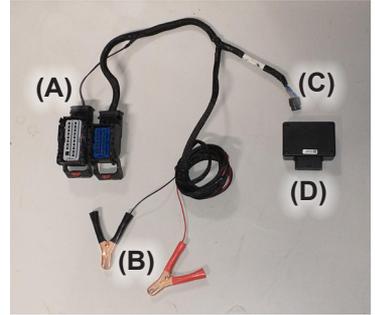
Use of a battery charger is strongly recommended!

Do not drive your vehicle with the Unlock Cable in place!

E90 ECM Unlock Cable Instructions

Unlock Cable Part Reference:

- (A) ECM Connectors
- (B) Battery Clips
- (C) E90 Unlock Cable
- (D) Locksmith Unlock Module



Required Tools:

- T15 Torx or Hex Driver

For your vehicle to accept tuning, you must perform a one-time unlock process on the Engine Control Module. With this Unlock Cable kit, you are able to unlock your own ECM using your tuning device without having to remove the ECM from the vehicle or ship it to us. Once the unlock is completed, you do not need to use the cable to install tunes or modify options, and will not need the unlock cable anymore.

STEP 1 - Before installing the Unlock Cable, make sure you have plugged your tuning device into the vehicle and attempted to tune. The tuning device will prompt you to update. After updating, connect to the vehicle and attempt tuning again. This time the tuning device will direct you to install the Unlock Cable.

STEP 2 - To connect the Unlock Cable, you must access the ECM. The ECM is located behind the felt liner in the front driver side wheel well. Park the vehicle and steer to the left (but not to full lock) to make room to access the ECM, then shut off the vehicle. Wait 5 minutes before continuing to allow the vehicle to fully shut down.

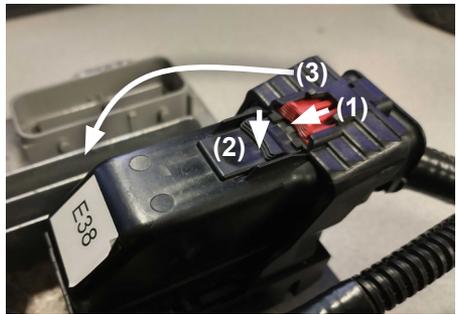
NOTE: *Do not steer left to full lock during step 2. After steering to the left, unsteer slightly to ensure that steering is not at full lock. Our testing has shown that leaving the wheel at full lock to the left may cause the steering wheel lock to bind and cause a no-start condition. If this happens to you, please refer to Troubleshooting section.)*

E90 ECM Unlock Cable Instructions Cont'd

STEP 3 - Using the allen wrench/hex driver (i), remove the indicated eight screws. One of them will be just a push pin that will pop out when pulled. Keep the screws and push pin for reinstallation. From the front of the wheel well, pull the felt liner back and towards the vehicle to expose the ECM.



STEP 4 - Remove the three connectors from the ECM. Each of them has a red tab (1). Slide the red retention tabs back to unlock each connector. Once the red tabs have been released, press the black tabs (2) down into the connector to release the locking clamps. Rotate the locking clamps (3) all the way back to release the connectors.



STEP 5 - Take the E90 Unlock Cable. Attach both of its gray and blue ECM Connectors (A) to the top and bottom connector sockets on the ECM. Close their locking levers (3) until they click. The middle connector socket (black) will be left empty.

E90 ECM Unlock Cable Instructions Cont'd

STEP 6 - The unlock cable battery clips (B) must clip onto the vehicle's battery terminals. Therefore, open the engine bay hood. Route the Unlock Cable out of the wheel well, over the driver side fender, then across the whole engine bay so that the clips (B) reach the battery on the passenger side.



STEP 7 - Slide open the red positive cover on the battery. Clip the red (positive) battery clip (B) onto the tab underneath the red cover. Clip the black (negative) battery clip (B) onto a nearby ground stud such as the one pictured to the right.

NOTE: Do not clip the black battery clip onto a bolt, as the bolts have a coating that prevents a good electrical connection. Use the stud.

STEP 8 - Go back to the wheel well. Connect the Locksmith (D) to the dangling Unlock Cable small plug (C).

STEP 9 - Connect the tuning device to the Locksmith's OBD port (D). It will power on. Select Tune, follow the instructions onscreen to begin the unlock. When it completes you will be directed to remove the Unlock Cable.

E90 ECM Unlock Cable Instructions Cont'd

UNLOCK CABLE REMOVAL - Disconnect battery clips (B) from the vehicle's battery. Disconnect the two Unlock Cable ECM connectors (A) from the ECM. Reconnect all three of the original vehicle's ECM connectors back onto the ECM. Close their locking levers (3) until you hear them click, then slide in their red retention tabs (1).

You are done using the unlock cable. Place the felt liner back into its place in the wheel well, and reapply the eight screws. Test that the truck starts, and then connect the tuning device to the vehicle's OBD port. You may now start tuning.

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Troubleshooting

If your vehicle will not start, and the steering wheel will not unlock when pressing the ignition button, this means you steered too far during the ECM Unlock. Turn off the ignition, then jerk the wheel counterclockwise while pressing the ignition button. This should unbind the steering wheel and the truck should now start.

If your vehicle's gauge cluster tells you "Shift To Park" even though you are in park, check that all connectors have correctly been reinstalled.

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For additional questions not found in the user guide, call:

Holley Technical Support: (888)-360-3343

Mon - Fri 8:00 am - 5:00 pm MST

**To expedite your support call, please have your Vehicle Information,
Part Number, and Serial Number ready prior to calling Technical Support.**

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