

Simple Plug & Play Installation Guide

You can install the ECM yourself in 60 minutes or less, saving you hundreds of dollars compared to a dealership visit. Our modules arrive fully programmed and ready for a seamless plug-and-play installation unless otherwise stated. In some cases, a simple key learn may be required. Please check your replacement module for a QR code—if present, simply open your camera and scan it for further instructions



PRE-INSTALLATION CHECKLIST

- Battery: Ensure it is fully charged to at least 12V.
- Wiring: Inspect the harness for damage, corrosion, or loose connections.
- Faulty Components: Replace any known defective parts before installation.
- Diagnostic Codes: Scan the original ECM and record any stored codes for future reference.
- Grounds: Verify all ground connections are clean and securely fastened.

Before Installing the New ECM:

- Disconnect the battery and wait 30 minutes to prevent electrical issues.



TOOLS YOU MAY NEED

Wrench or standard screwdriver (varies by vehicle)



Socket wrench with 13mm, 10mm, or 12mm sockets



Scanner capable of reading/clearing DTC codes (not a must but very helpful)



Flathead screwdriver

READY TO INSTALL

Follow the installation checklist on the following page

MODULE INSTALLATION PROCEDURE

1. Disconnect the Battery (Using a socket wrench)

- Remove the negative (-) battery cable first, followed by the positive (+) cable.
- Secure both cables together using a zip tie or string and keep them away from the battery terminals.

2. Disconnect the Wiring Harness from the ECM

- Slide back any red locking tabs before releasing the levers.
- Press any necessary release tabs to disconnect the plugs.
- Gently wiggle connectors as needed—take your time to prevent damage.

3. Remove the Old ECM

- Use an appropriate screwdriver or wrench, depending on the vehicle.

4. Install the Replacement ECM

- Position the new ECM securely in place.
- Reconnect all plugs—each connector is uniquely keyed to ensure proper alignment.
- Ensure all connectors are fully seated and locked into place.

5. Reconnect the Battery (After Completing the Soft Reset)

- Reconnect the positive (+) battery cable first, followed by the negative (-) cable.

6. Clear Diagnostic Trouble Codes (DTCs) – Do Not Clear SKIM or Immobilizer Codes

- Use a diagnostic scanner to read and clear any stored DTC codes before starting the vehicle.
- Do not clear any SKIM (Sentry Key Immobilizer Module) or immobilizer-related codes, as this can cause the ECM to lock and require reprogramming.

SOFT RESET

Immediately after installing your ECM, complete a soft reset before starting the vehicle. If temporary dashboard warnings persist, additional resets may be required.

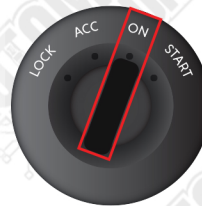
For Vehicle with key

STEP 1



Insert Key

STEP 2



Turn Key to Aux/On position (just short of cranking - Don't crank)

STEP 3



Hold for 2 minutes. Then, turn off and remove key

For Vehicle with Push Start

STEP 1



Push Start button 2x

STEP 2



Wait 2 Minutes

STEP 3



Push Start button again & start as normal