How to install an HP Tuner in your RAM 6.7L at Home



Before you begin, watch this video first

Hp Tuners Read & Info Log Instructions

This article will walk you through the process to retrieve a stock read and info log from your truck.

Before you do anything else on the truck install the programs listed below

1. Download & Install .Net Windows Runtime 8:

https://aka.ms/dotnet/8.0/windowsdesktop-runtime-win-x64.exe

2. Download & Install the latest VCM Suite Beta:

https://www.hptuners.com/downloads/



Stock Read

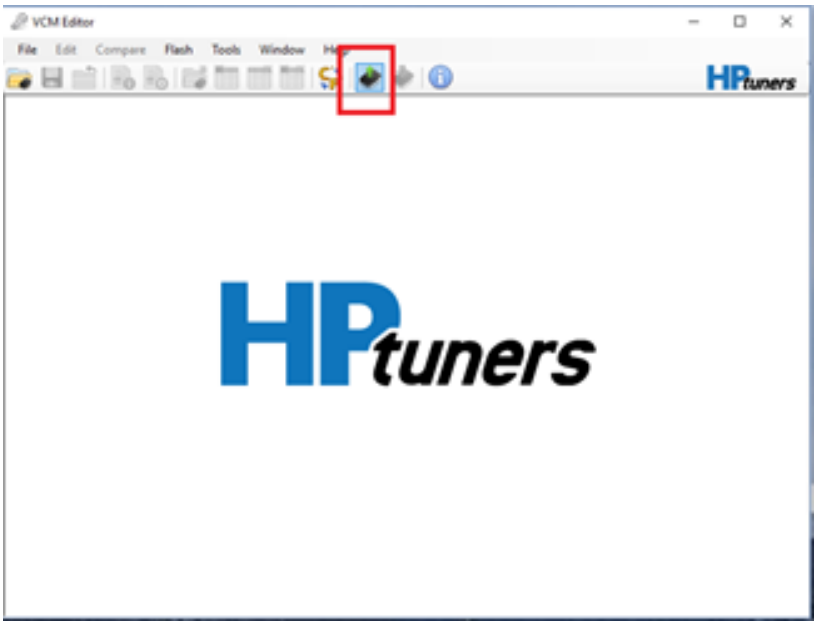
Open "VCM Editor" or "RTD Flasher" for reading & writing.

"VCM Editor" will be used if you have an MPVI3, your files should be saved as "*filename.hpt*". "RTD Flasher will be used if you have an RTD, your files will be saved as "*filename.rtd*".

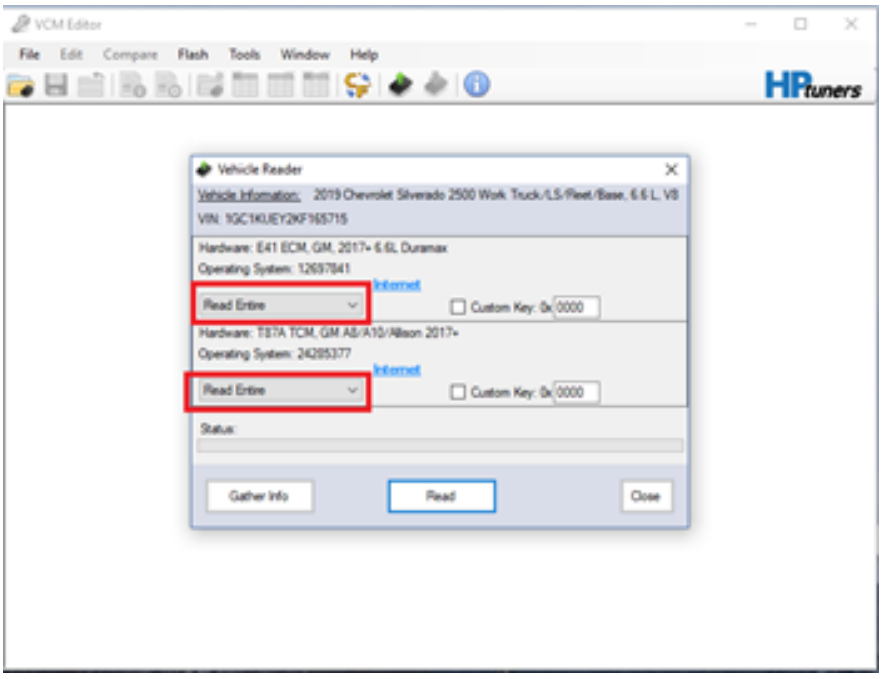
To read your ECM or TCM start by plugging the MPVI into the computer and truck with the ignition in the run position.

Click the green read arrow in the top center of VCM Editor

If you cannot select the read button, select *File>Close* to close the opened item.



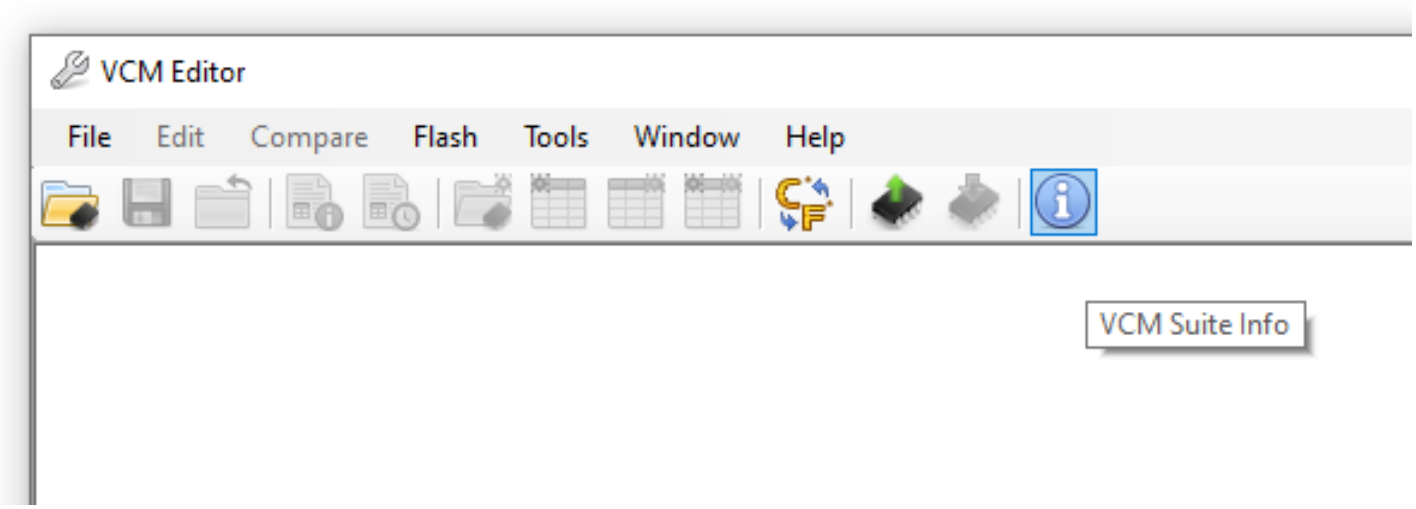
- Select the MODULES you would like to read.



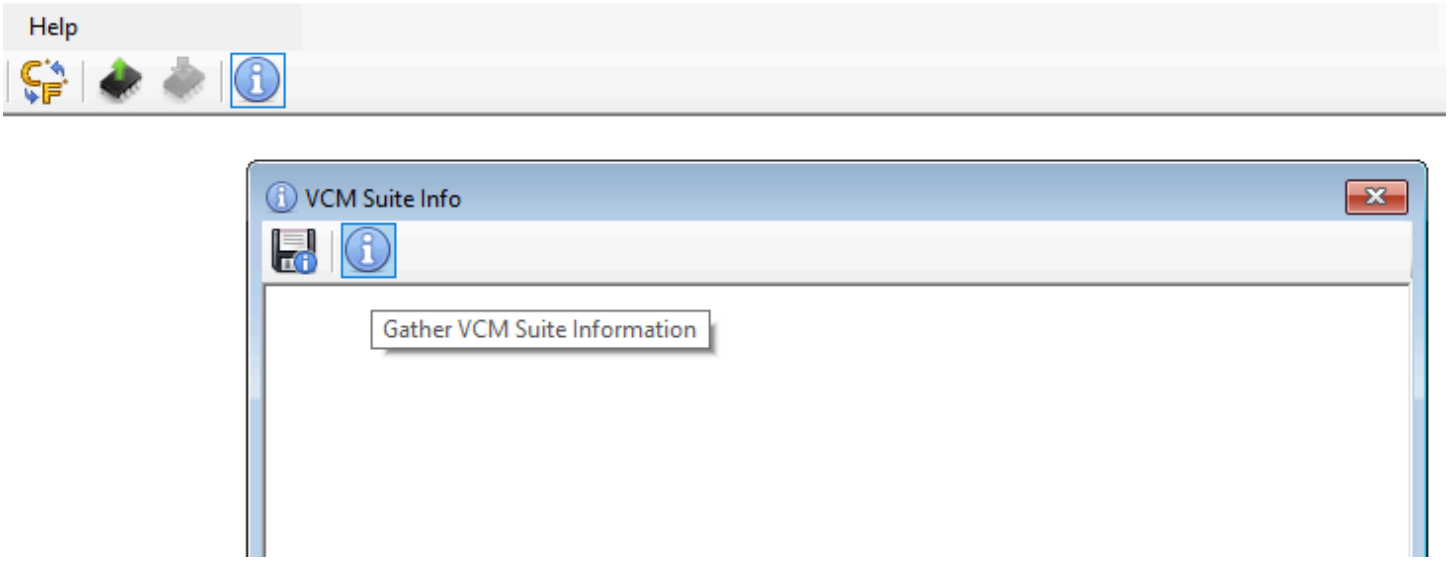
Save this file to your desktop, include your first/last name and VIN in the file name, and email it to your support rep and/or support@thedieseltechs.com along with an info log.

Info Log Instructions

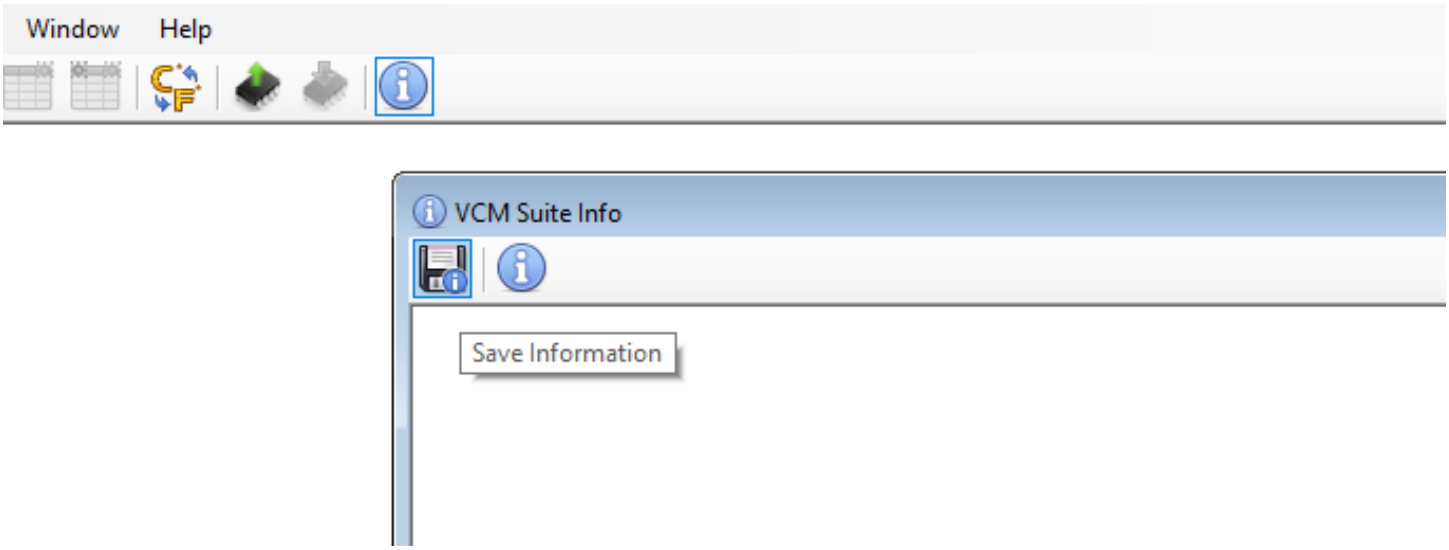
Step 1: Click the VCM Suite Info button in either the VCM Editor or VCM Scanner program.



Step 2: Click the blue circle "i" icon to poll the software and the vehicle. Note: make sure your cable is connected to the vehicle and the vehicle's key is in the ON position before clicking the blue icon. This step may take five to twenty seconds to complete.



Step 3: When the Infolog has completed generating, click on the Save icon. Save it with your first and last name and VIN. Once the file is saved, it is ready to email.



Hp Tuners L5P/L5D Unlock Cable & Tuning Installation Instructions

Instructions for Unlocking & Tuning Your E41 Ecm.

Hello,

Thank you for purchasing our Unlimited L5P/L5D Duramax Tuning DIY Package.

Please pull your vehicle into a safe location before proceeding, preferably in your garage or somewhere out of the way. The entire process may take a couple of hours. YOU WILL NEED INTERNET ACCESS FOR THE ENTIRE PROCESS.

HP Tuners- DIY UNLOCK VIDEO-

1. Download & Install .Net Windows Runtime 6:

https://aka.ms/dotnet/6.0/windowsdesktop-runtime-win-x64.exe

2. Download & Install the latest VCM Suite Beta:

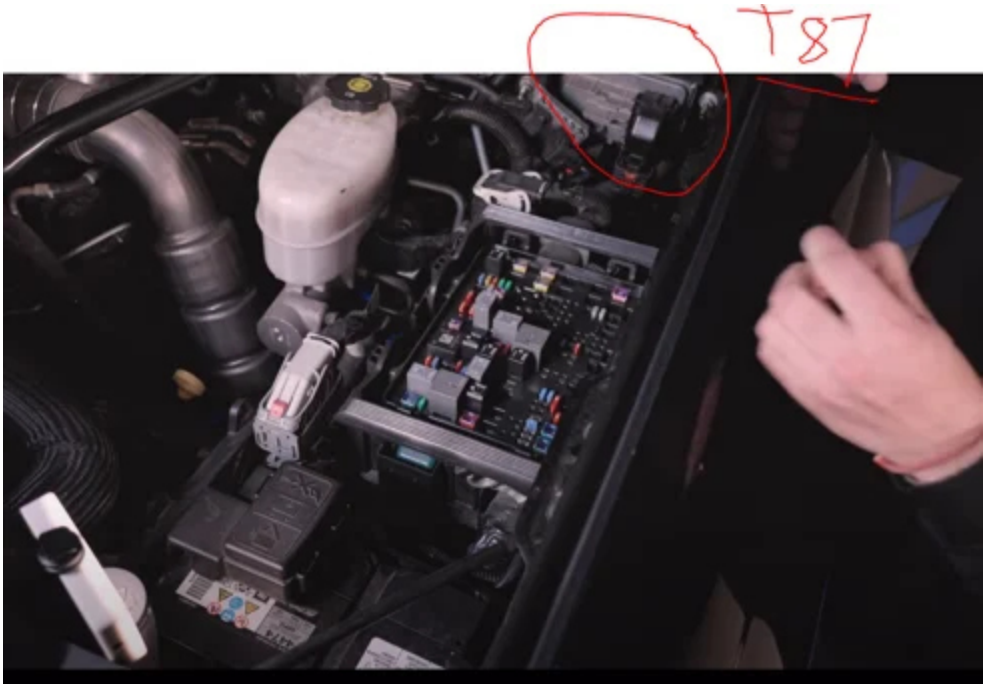
https://www.hptuners.com/downloads/



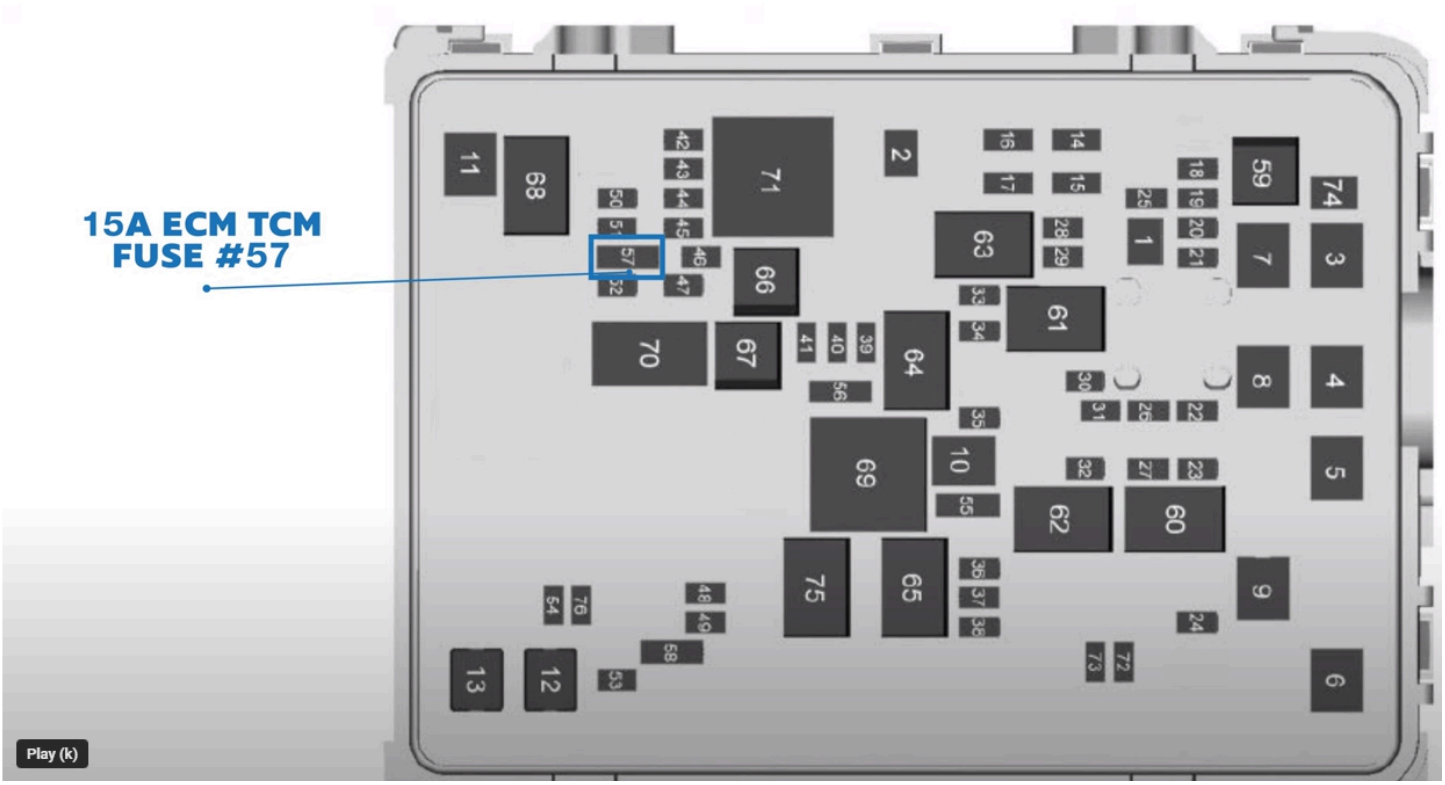
3. If this is your first time flashing and your ECM has not been unlocked prior, please locate your unlock cable that came with your package.

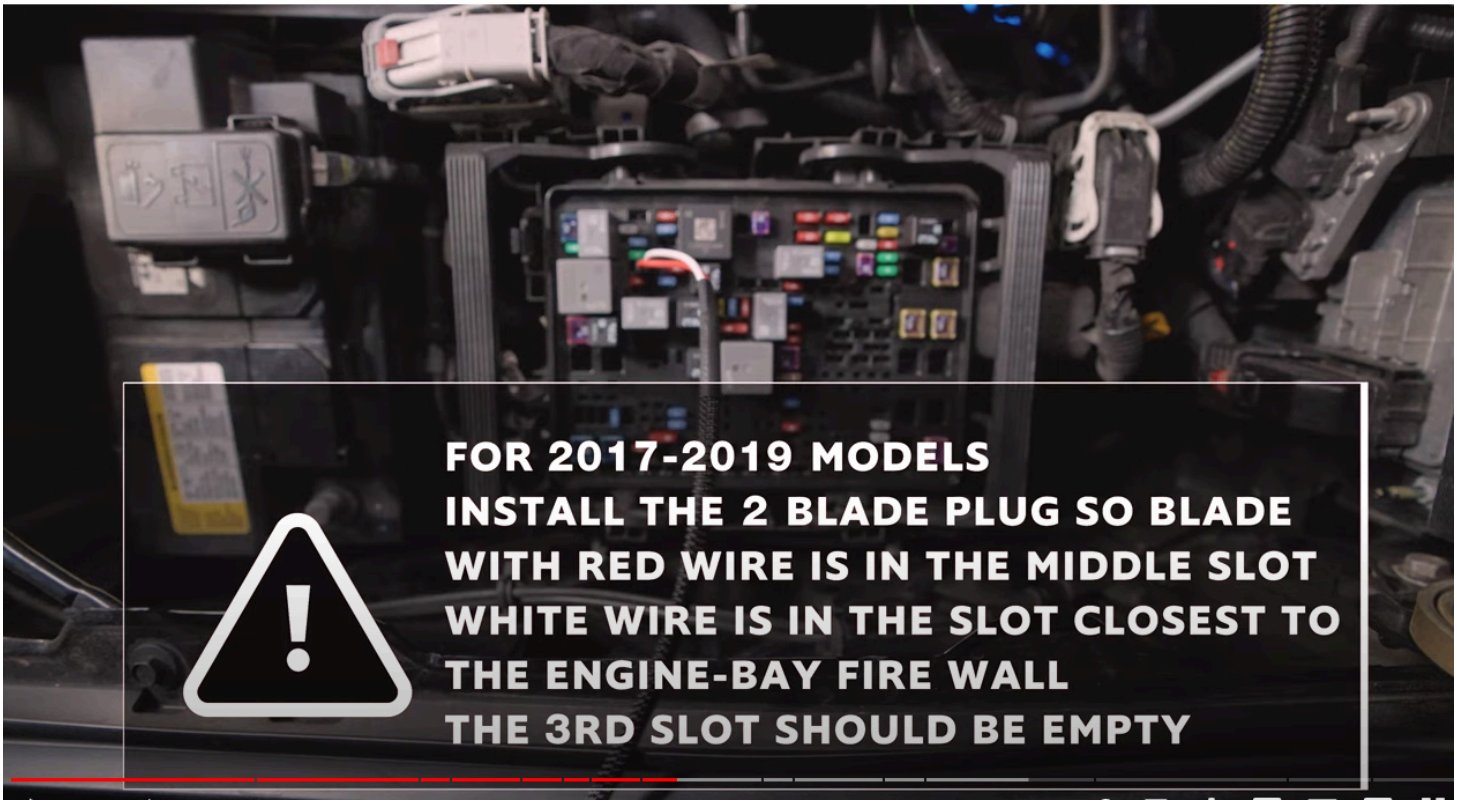
4. Locate the main fuse panel under the hood of the truck on the drivers side.

(If you are installing an unlocked TCM, now is a great time to pop this in. 2017-On the fan shroud 2018-2019 on the firewall)

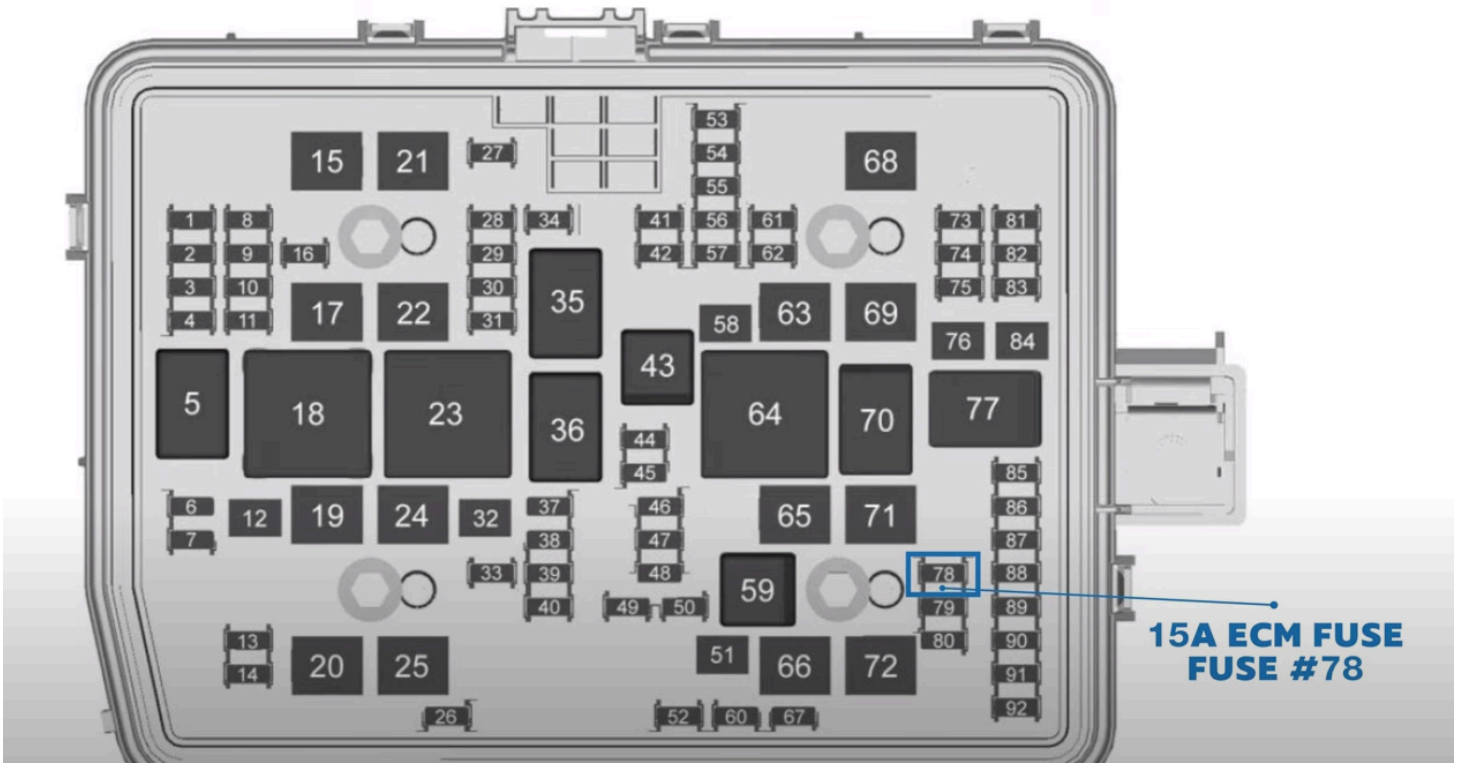


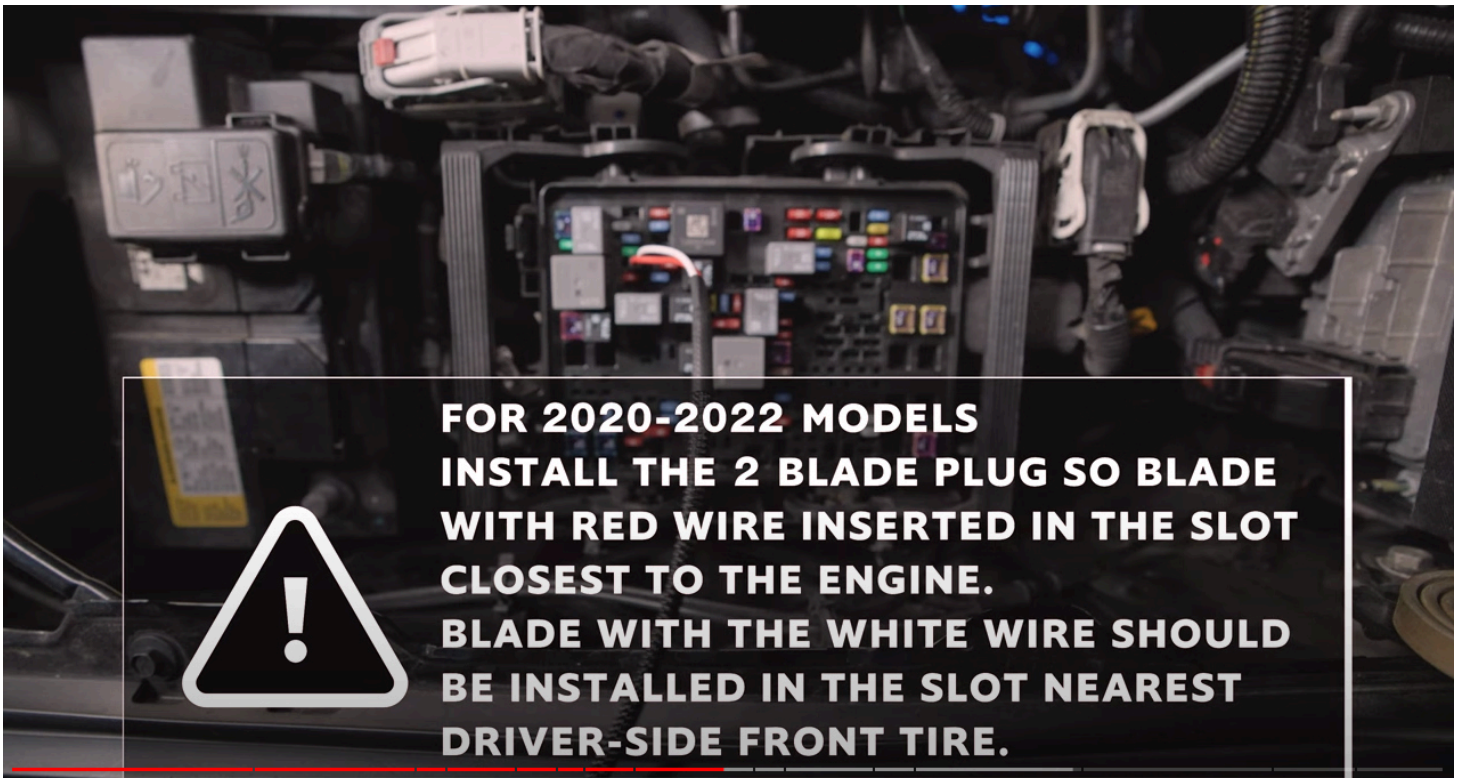
For 2017-2019 Trucks Locate ECM fuse 57 and remove the factory 3 prong fuse. Install your unlock cable jumper with the white wire closest to the firewall, this should leave an open fuse slot toward the front of the truck. This is the TCM portion of the fuse and is not used for the unlock.



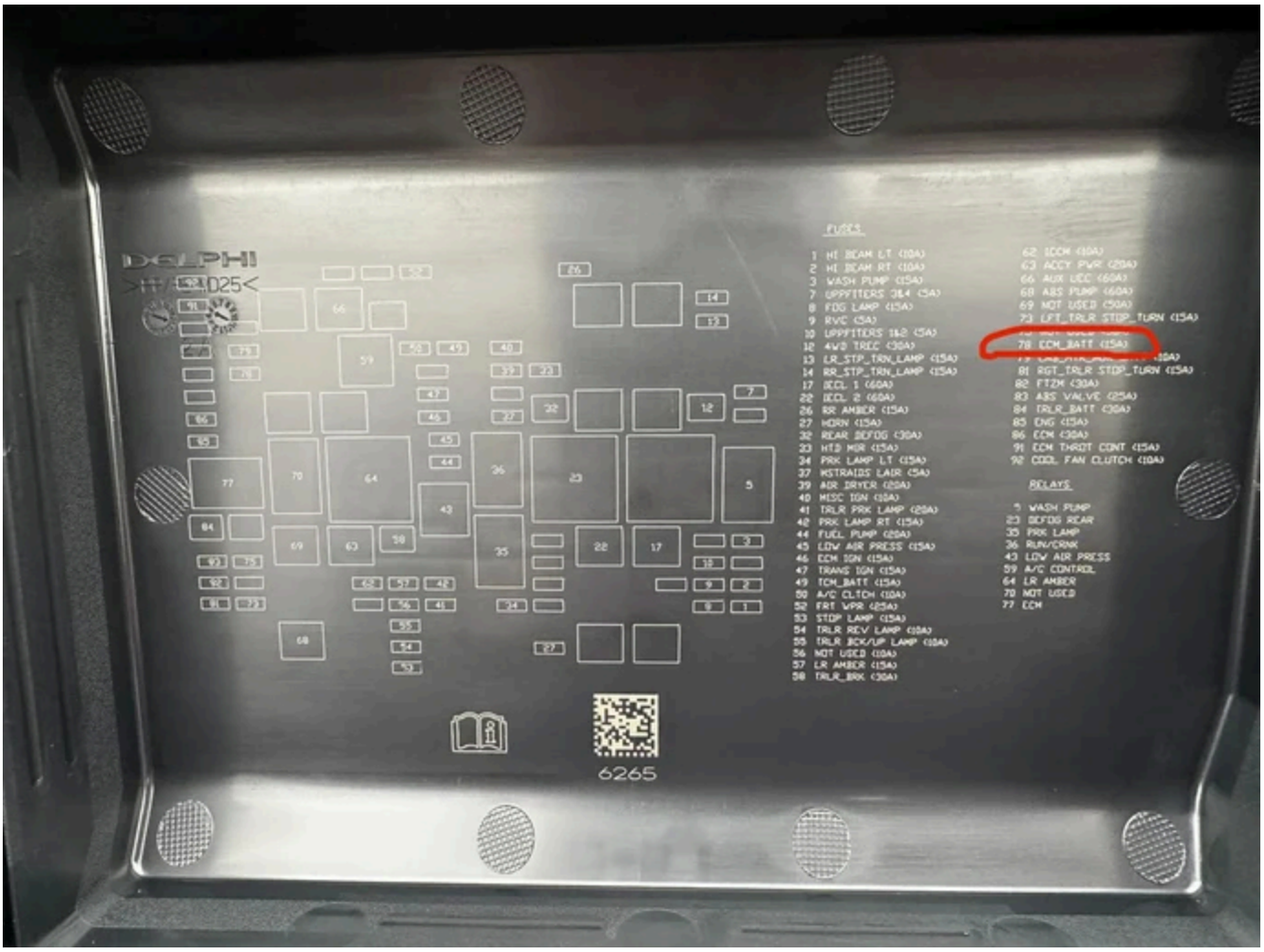


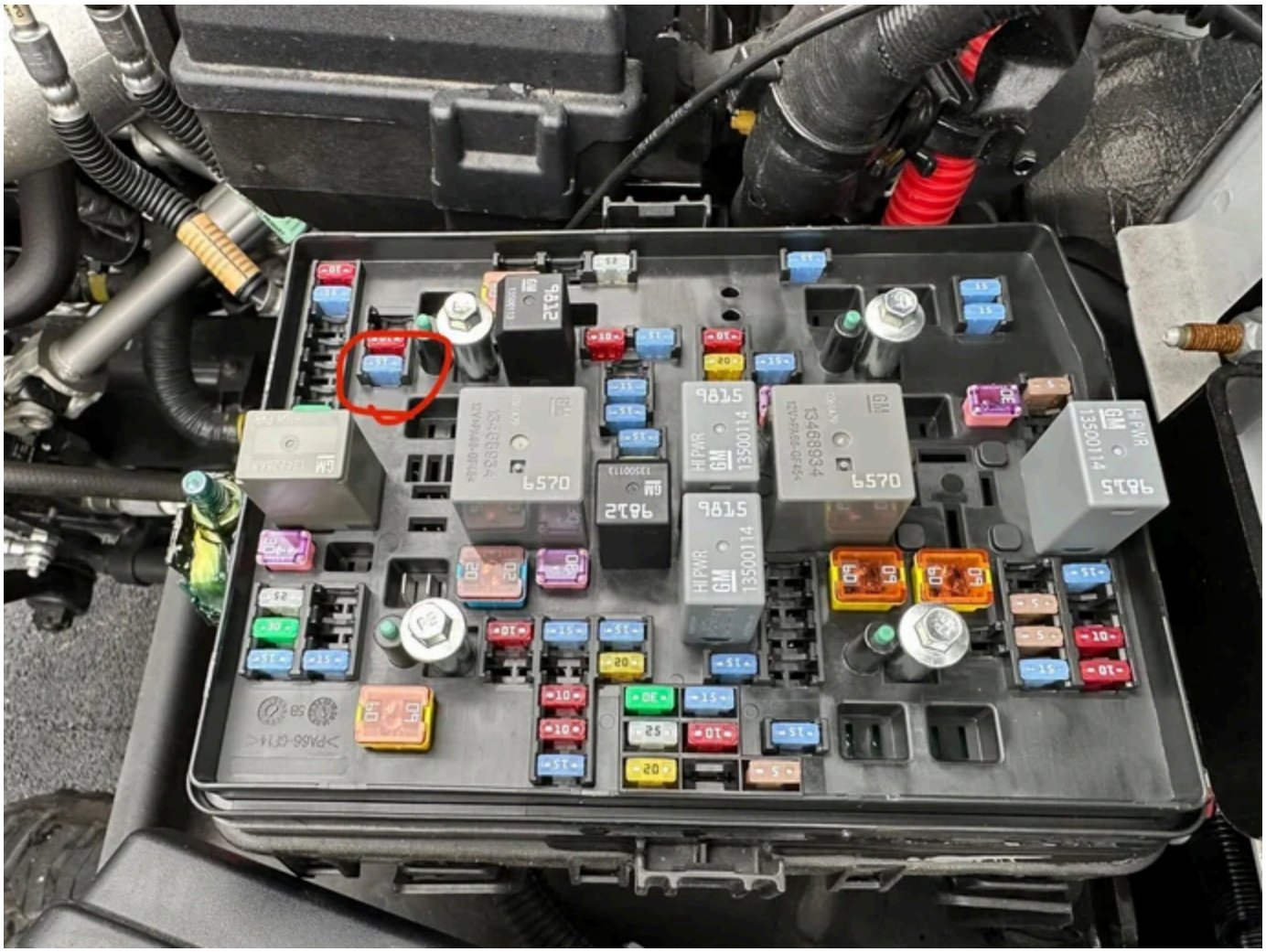
For 2020-2023 Trucks- Locate Fuse Number 78 and remove it. Install your unlock jumper into fuse spot 78 with the White Wire Facing to the drivers side. This leaves the red wire towards the engine.





For L5D Trucks- Locate Fuse Number 78 and remove it. Install your unlock cable jumper with the white wire closest to the firewall.


DELPHI
FUSES
1 HI BEAM LT (10A)
2 HI BEAM RT (10A)
3 WASH PUMP (25A)
7 UPFITTERS 3&4 (5A)
8 FOG LAMP (15A)
9 RVC (5A)
10 UPFITTERS 1&2 (5A)
12 4WD TREC (30A)
13 LR_STP_TRN_LAMP (15A)
14 RR_STP_TRN_LAMP (15A)
17 ECCL 1 (60A)
22 ECCL 2 (60A)
26 RR AMBER (15A)
27 HORN (15A)
32 REAR DEFOG (30A)
33 HID HDR (15A)
34 PRK LAMP LT (15A)
37 HSTRAIDS LADR (5A)
39 AIR DRYER (20A)
40 MISC IGN (10A)
41 TRLR PRK LAMP (20A)
42 PRK LAMP RT (15A)
44 FUEL PUMP (20A)
45 LOW AIR PRESS (15A)
46 ECM IGN (15A)
47 TRANS IGN (15A)
49 TCM_BATT (15A)
50 A/C CLTCH (10A)
52 FRT WPR (25A)
53 STOP LAMP (15A)
54 TRLR REV LAMP (10A)
55 TRLR BCK/UP LAMP (10A)
56 NOT USED (10A)
57 LR AMBER (15A)
58 TRLR_BRK (30A)
62 ECCM (60A)
63 ACCY PWR (20A)
66 AUX ECC (60A)
68 ABS PUMP (60A)
69 NOT USED (50A)
73 LFT_TRLR STOP_TURN (15A)
78 ECM_BATT (15A)
81 RGT_TRLR STOP_TURN (15A)
82 FTZM (30A)
83 ABS VALVE (25A)
84 TRLR_BATT (20A)
85 ENG (15A)
86 ECM (30A)
91 ECM THROT CONT (15A)
92 COOL FAN CLUTCH (10A)
RELAYS
3 WASH PUMP
23 DEFOG REAR
35 PRK LAMP
36 RUN/CRNK
43 LOW AIR PRESS
59 A/C CONTROL
64 LR AMBER
78 NOT USED
77 ECM
6265



5. With your wire secure in the fuse location, work your way back into the cab of the truck with your unlock cable wire, computer, and MPVI3. Your HP Tuners DIY unlock cable will plug directly into the front of your MPVI3.

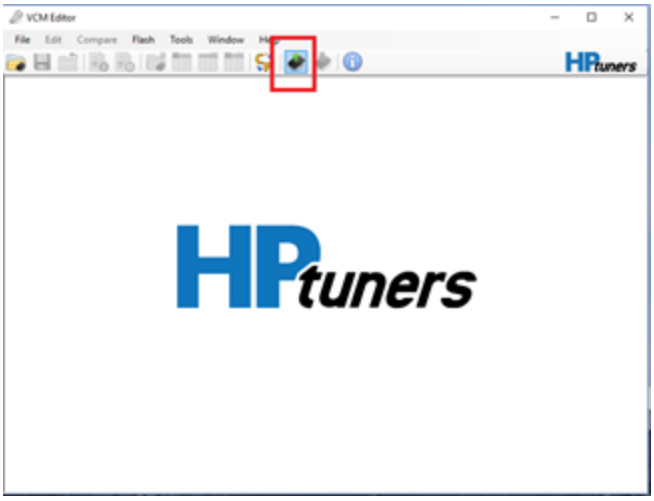




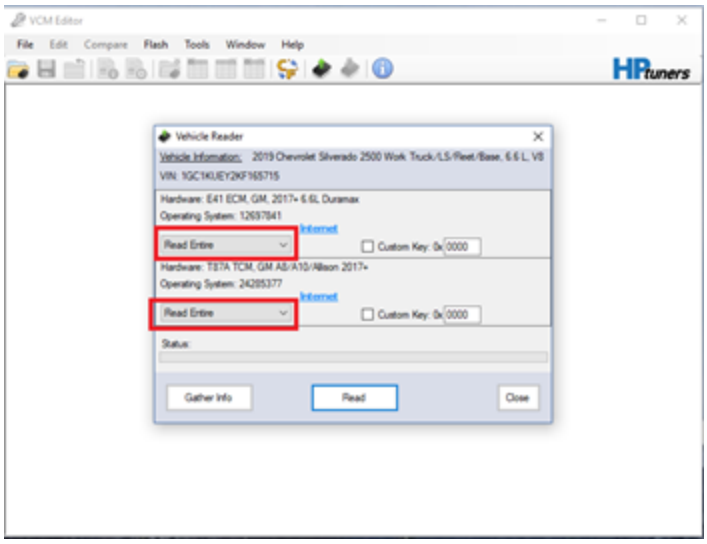
6. Open up **VCM Editor** & Connect your MPVI3 to the computer first and then to the vehicle's OBD2 port. Validate your MPVI3 by resyncing it. Do this in the *help* tab →*Resync Interface*.

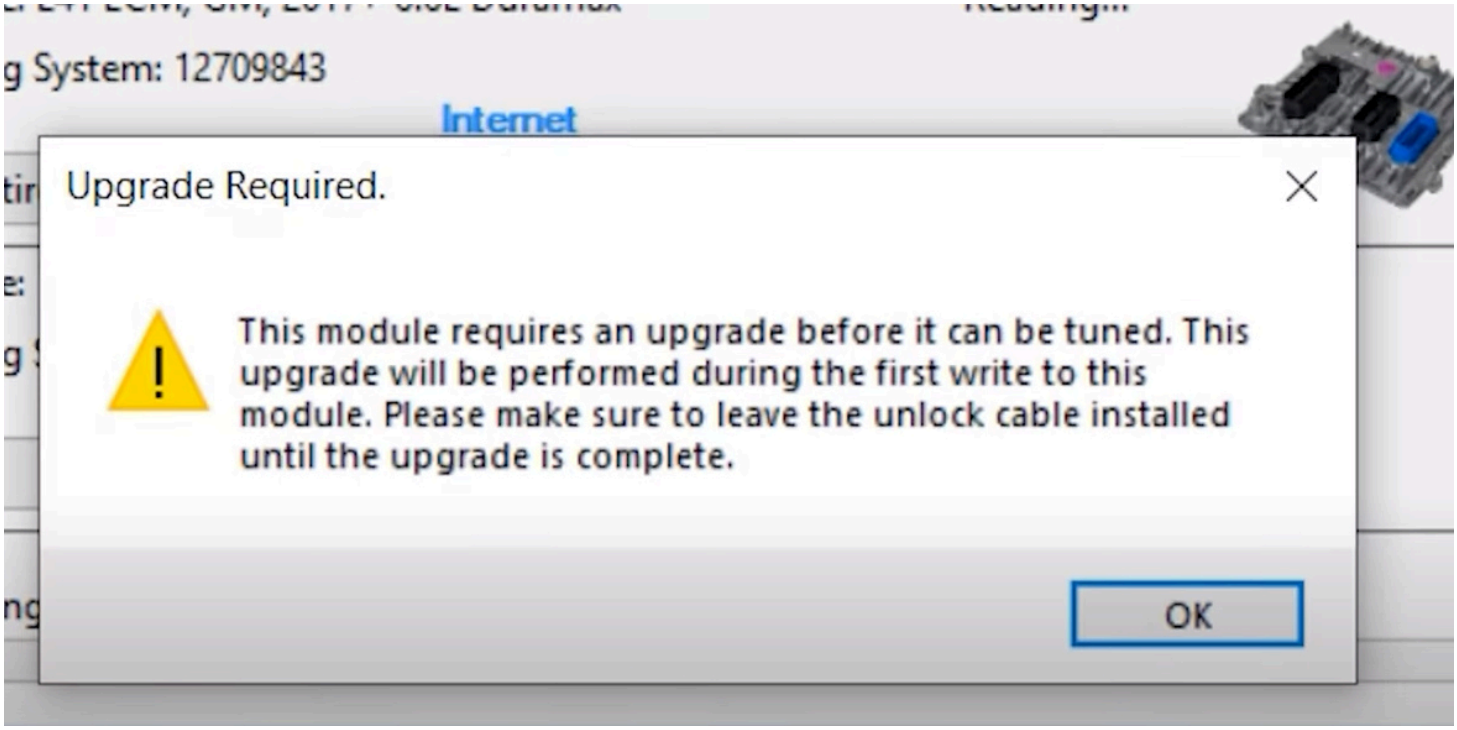
7. Reading & Writing. To read your ECM make sure no other files are open in HPTuners and

you should be able to select the green read arrow in the top center. Turn the ignition on in the truck before proceeding. **(17-19 trucks turn the key two clicks forward. For the 20+ trucks push and hold the start button for 8 seconds to cycle the ignition on)**

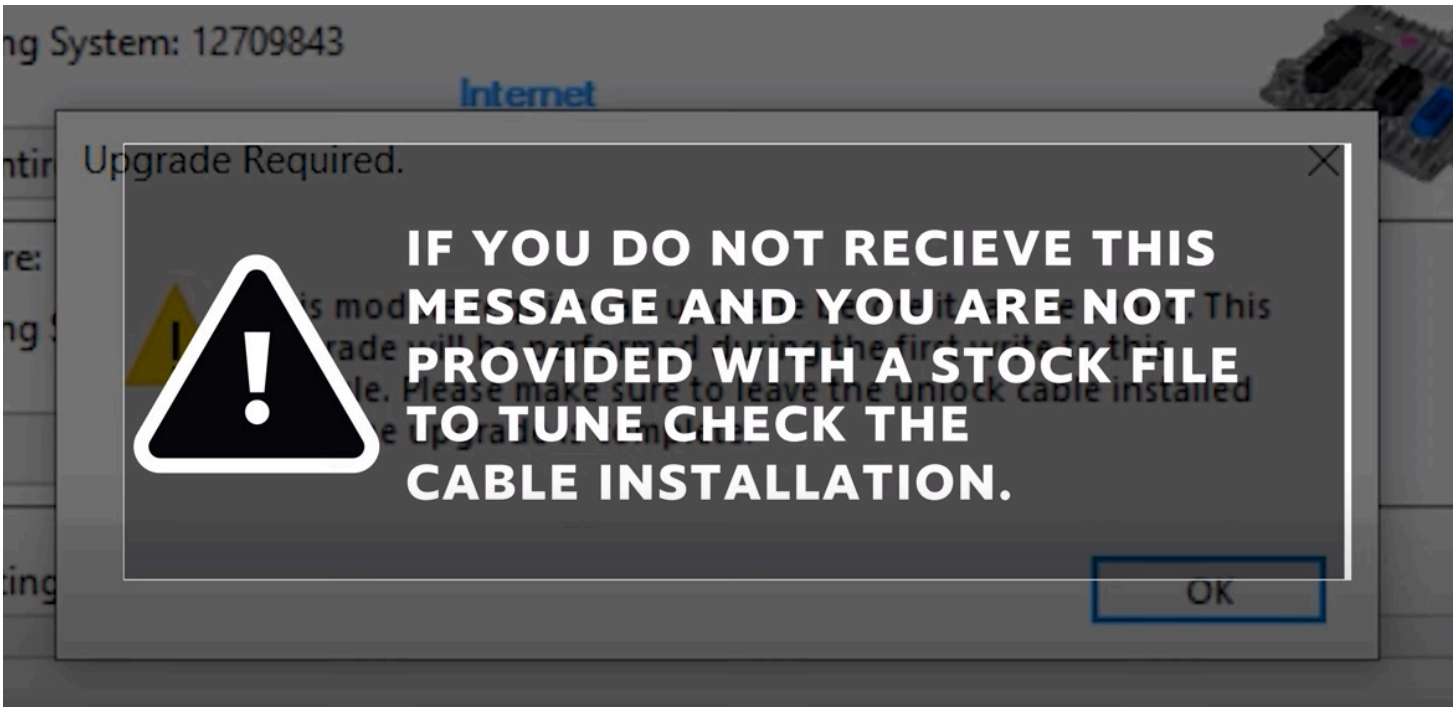


- Select the MODULE(S) you would like to read.





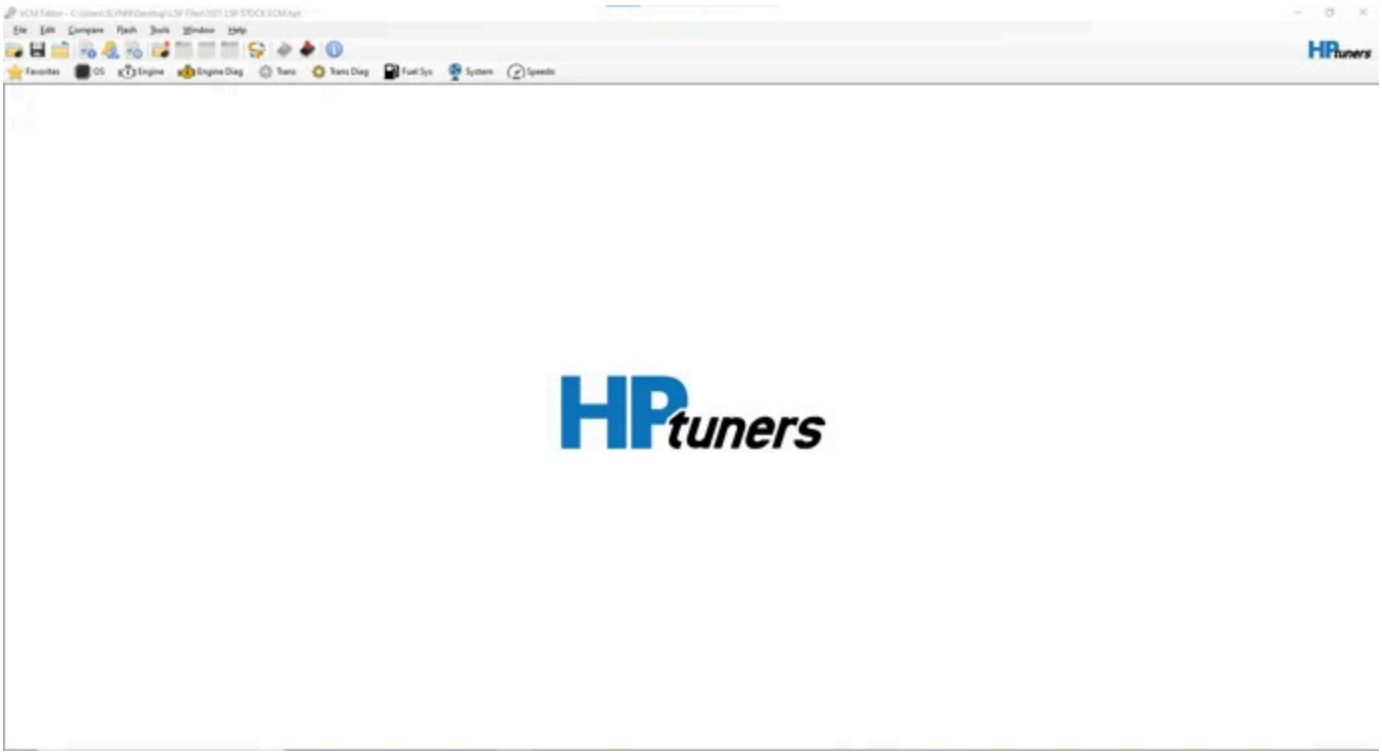
Click okay. If you do not get this message, and you have not unlocked the ECM yet. Please check your cable and connections.



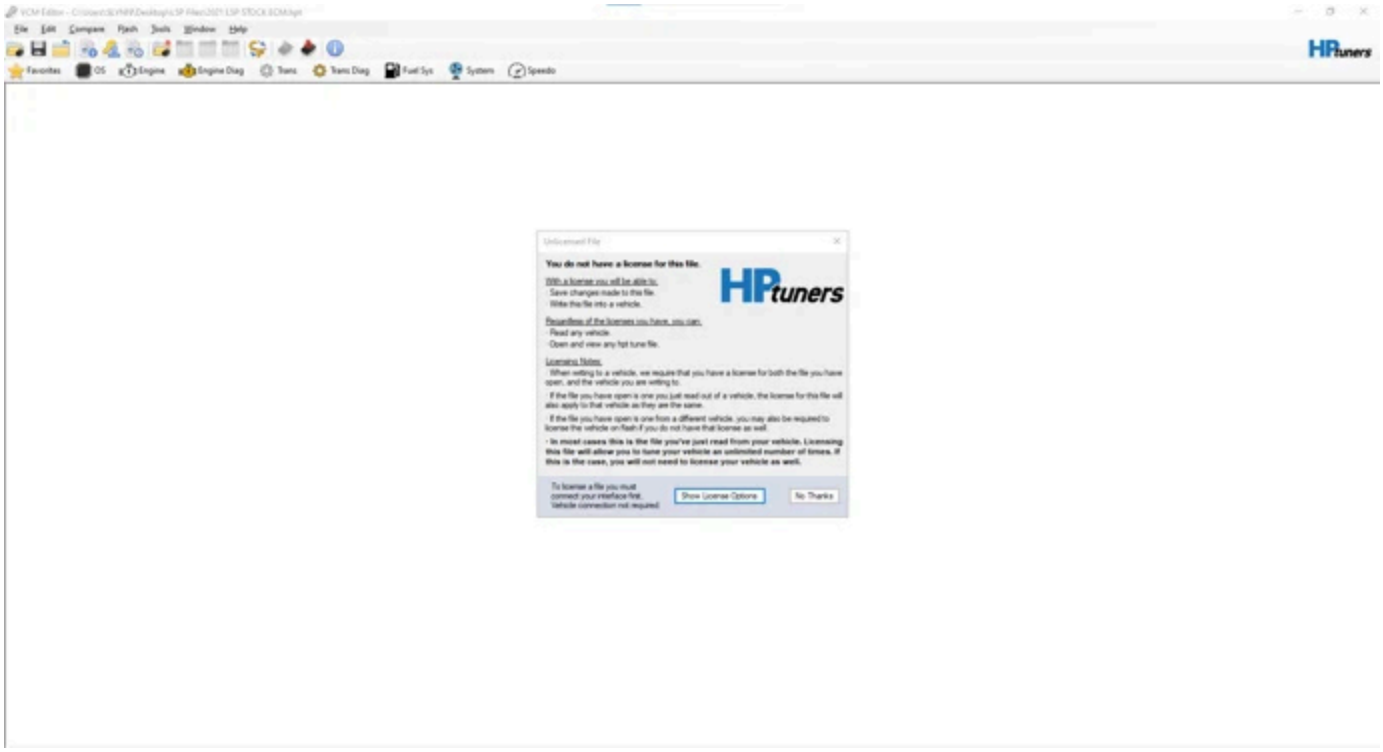
Save this file to your desktop With your name, model year, and "stock read".

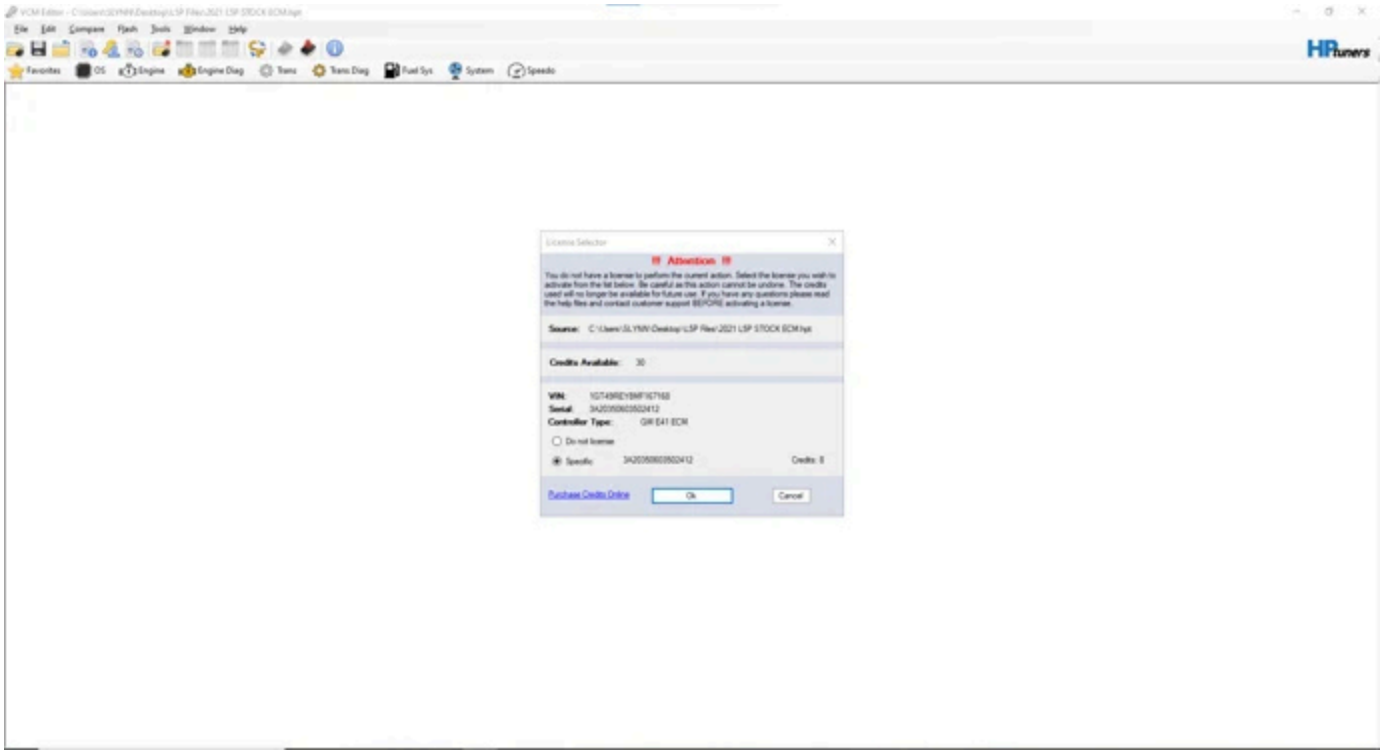
**(IF YOU BOUGHT CREDITS FROM US HIT HELP AT THE TOP AND RESYNC THE INTERFACE BEFORE PROCEEDING)

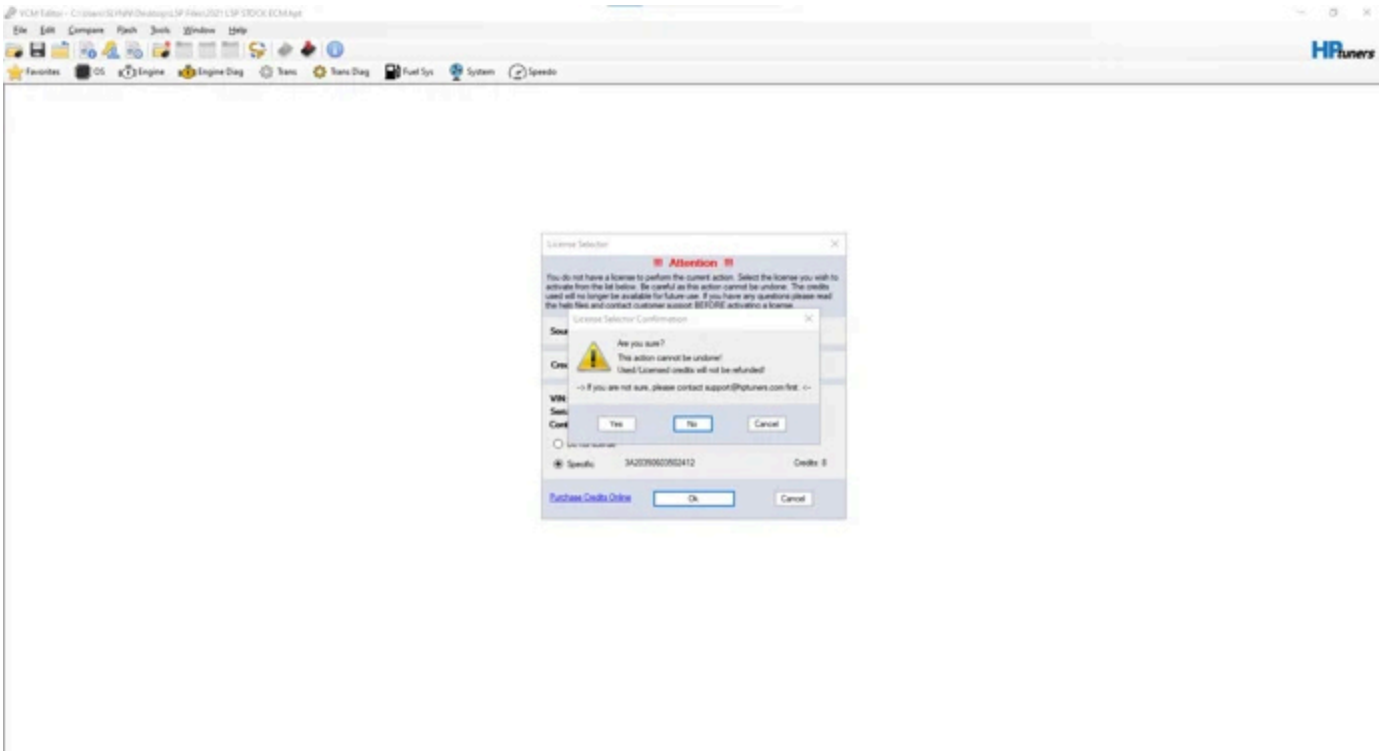
8. With your read file still open, and Unlock cable still installed, go ahead and select the Red Write Arrow.



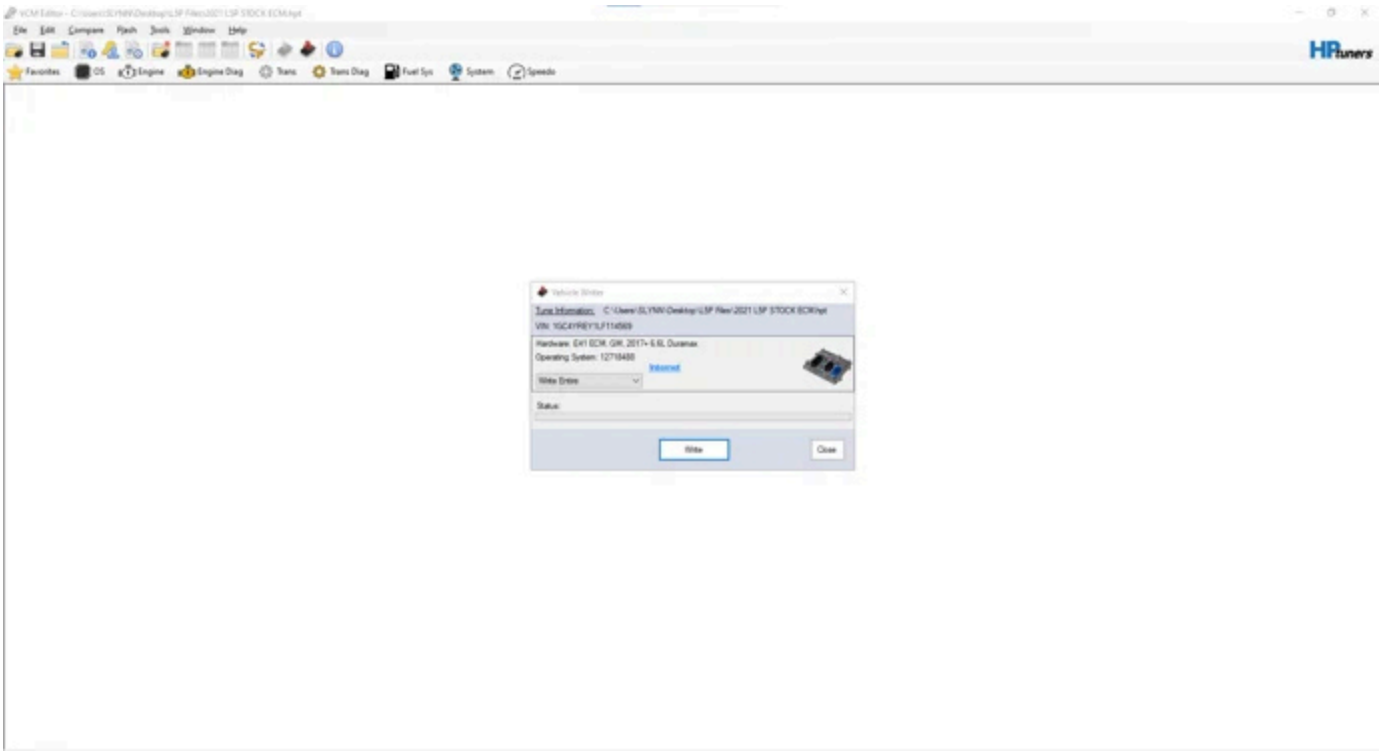
Since this is your first time flashing, you will need to choose specific under licensing and hit yes to proceed, skip to step 4 if this is not the first time loading the tune. (The ecm takes 8 credits and the tcm takes 4)



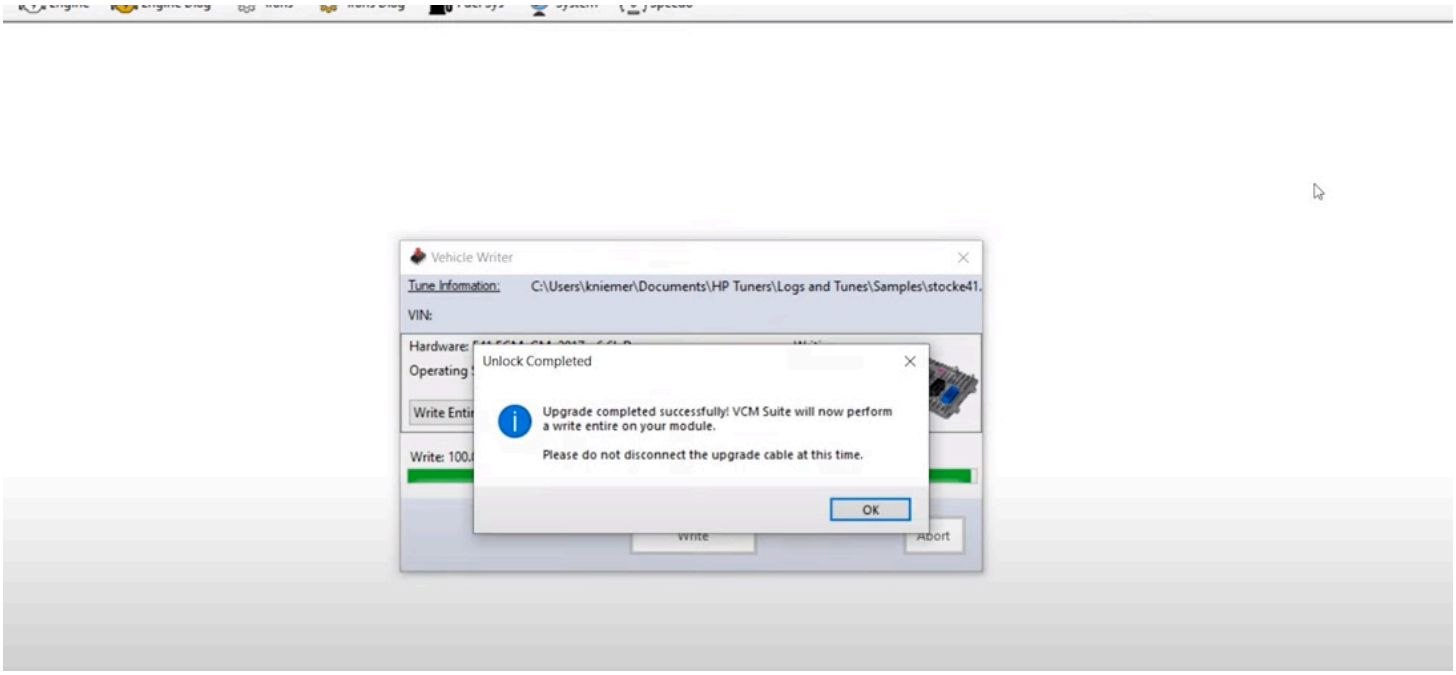




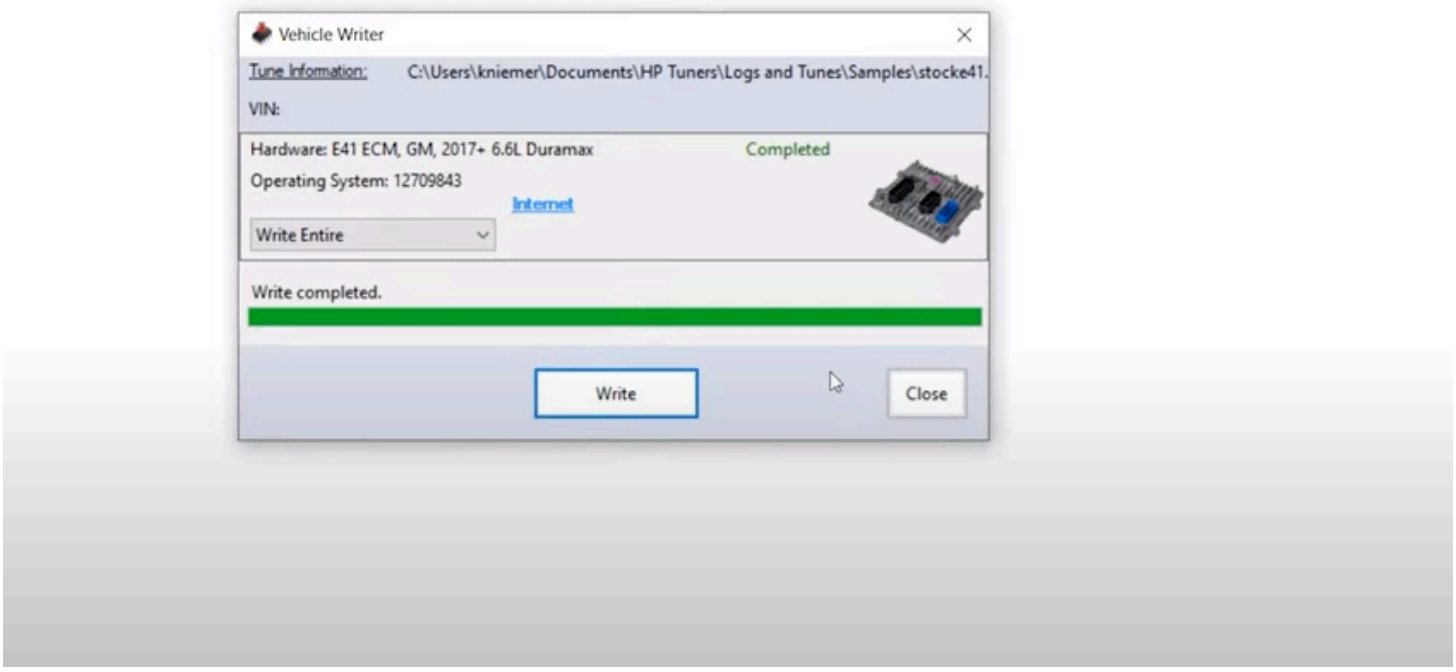
With the writing box up choose write entire and hit the write button



9. The Unlock portion of the flash will take 9 minutes. When finished hit *okay*. **DO NOT DISCONNECT.** VCM Editor is now flashing your stock file back in the ECM. This will take 6 more minutes.



10. When you get the Write complete message. You can now key the truck off and uninstall the Unlock cable. Be sure to reinstall the removed fuse.



11. You have now successfully unlocked your GM E41 controller! However, your truck is still STOCK! It is now time to send the Stock Read and INFO log into your tuner.

"For customers sending in a stock file we will also need a DOT INFO log. To get this log; key on the truck--> with vcm scanner or editior open, select the White "I" with a blue circle around it. It will

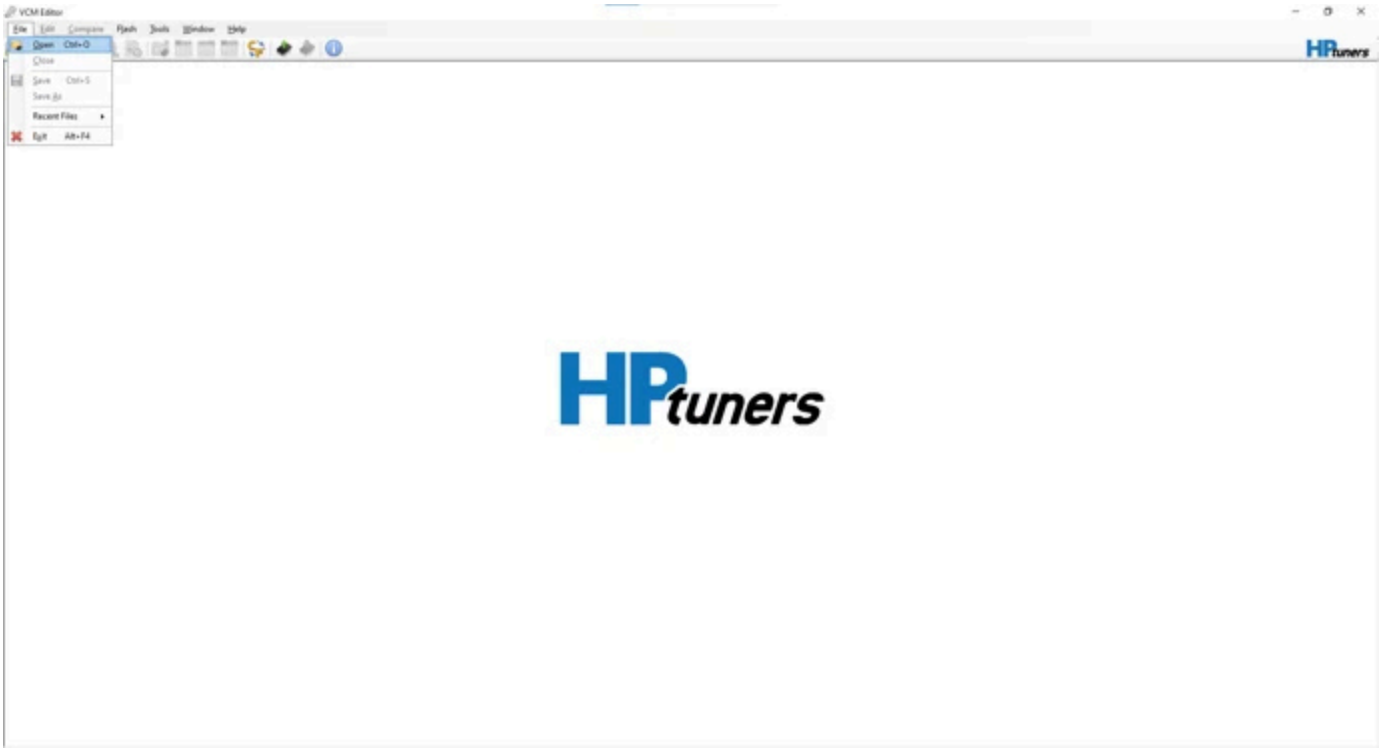
open a smaller screen, hit the white "I" again. Once the data is populated, please save that document with your name and vin number. "

***** EMAIL unlimited_performance@outlook.com with your name, order number, stock file, and info log.*********

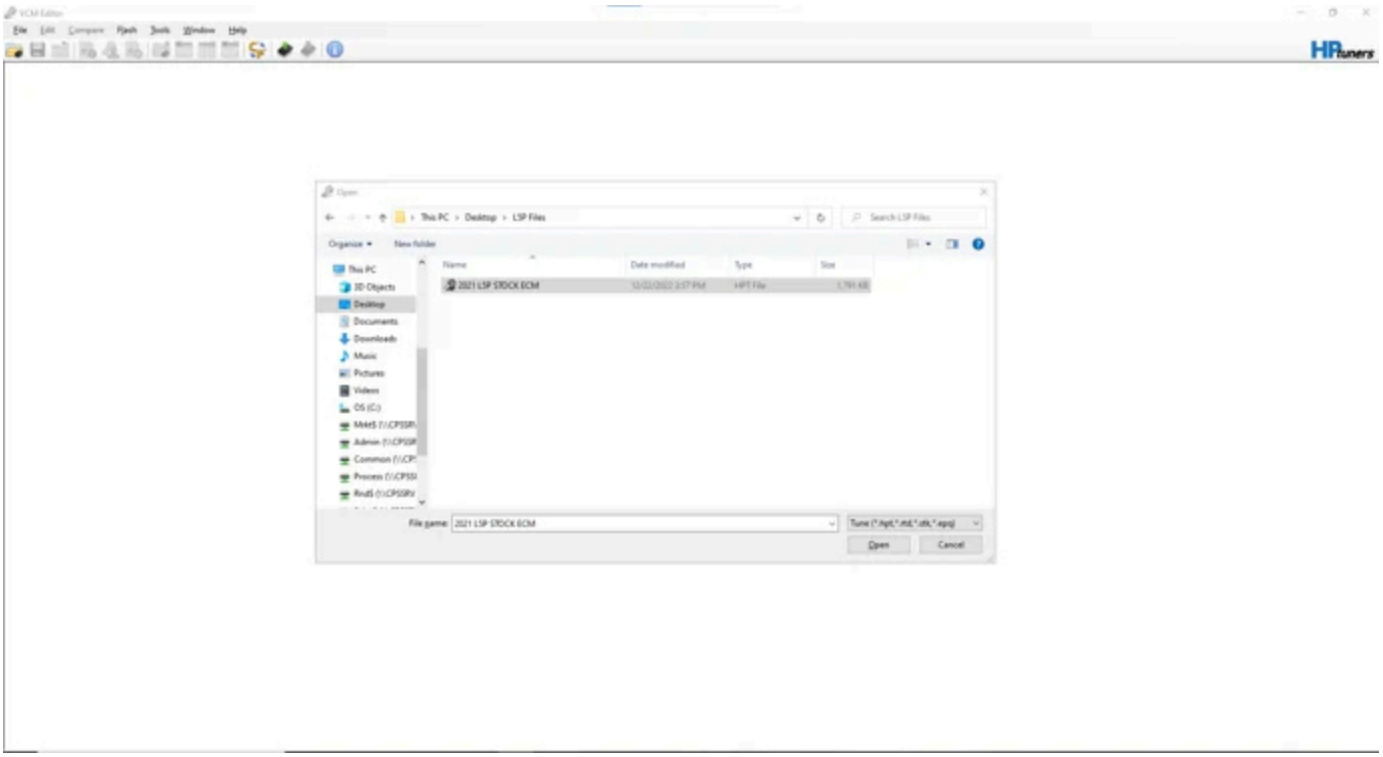
12. Please allow 1-2 business days for your custom calibrations to be built. A **pre-arranged** support and remote tuning appointment can be scheduled ahead of time for same day service. You are free to use your truck during this time & You will not need the unlock cable again.

13. Installing your modified Tunes!

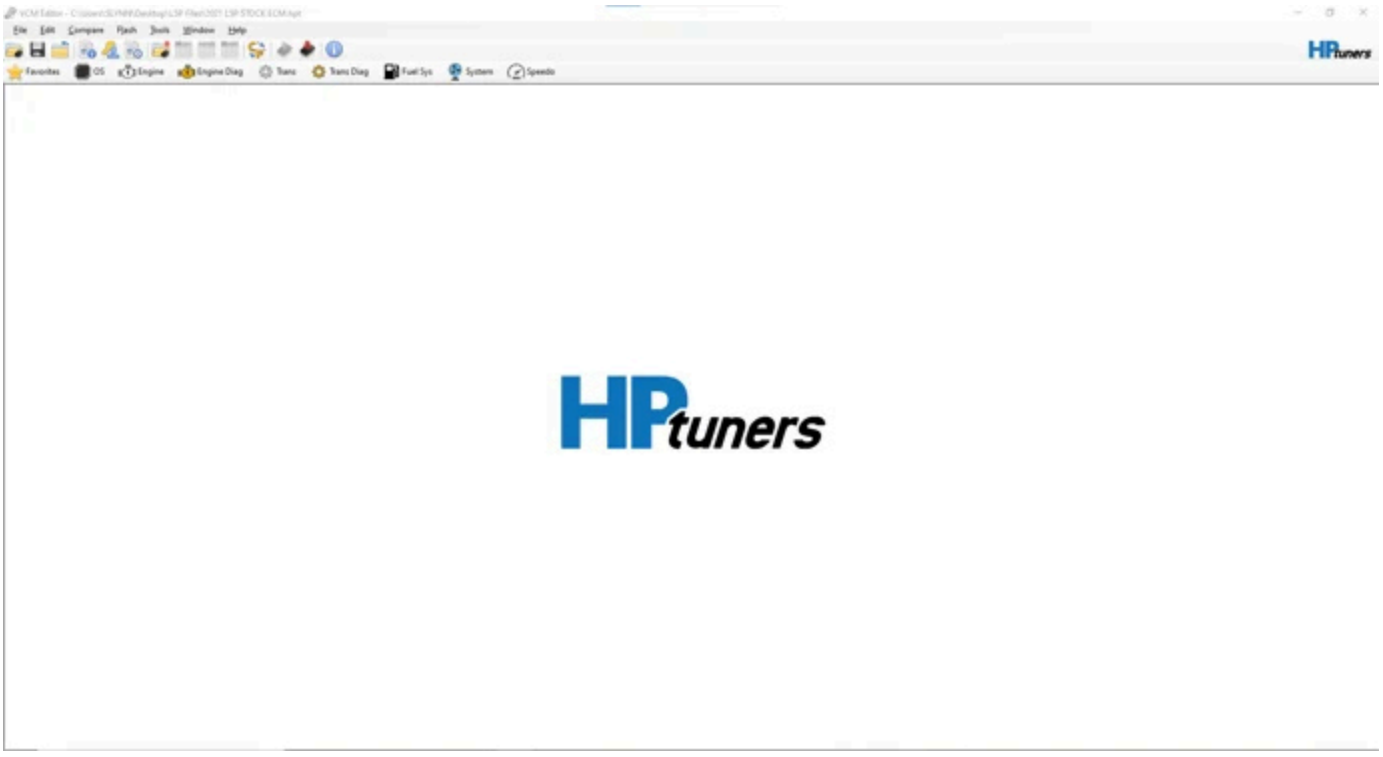
To load a tune onto your L5P start by opening up the Vcm editor program and hit the open button in the top left corner.



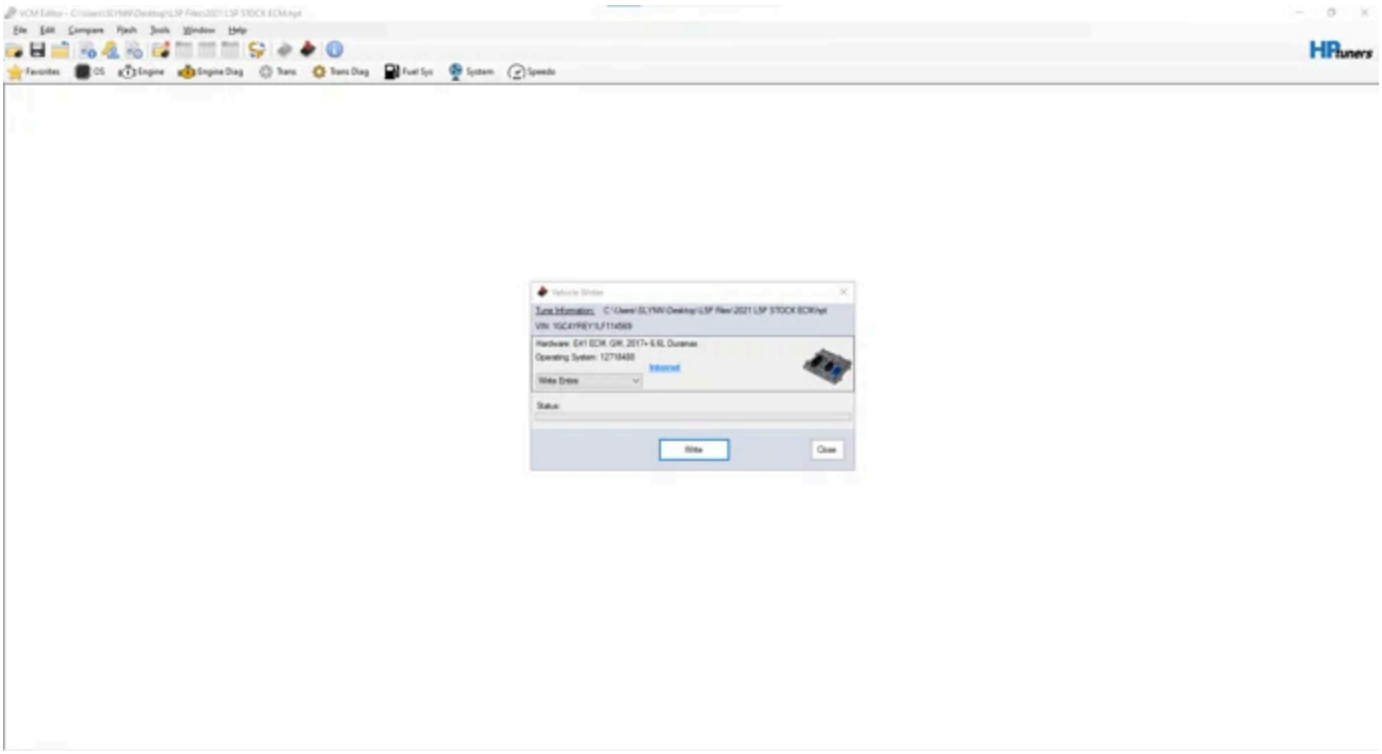
1. Search out the tune file you would like to load and open it



2. With the tune file open hit the red arrow at the top to open the write feature



With the writing box up choose write entire and hit the write button



When doing a full flash it will take around 8 min and a cal flash will take around a minute

As soon as it says write completed then you are good to go, cycle the ignition and you are finished writing the tune!!!