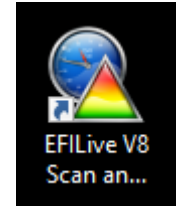


Updating Device Bootblock & Firmware

1. Do NOT connect Autocal/ V2 until step 2 has been completed and EFI Live V8 Scan & Tune program has been successfully installed
2. Download EFI Live V8 Software here: <http://www.efilive.com/latest/cat/download-efilive>
3. Install EFI Live V8 software once download process has completed
4. Connect Autocal/V2 to computer using supplied USB cable and wait a couple minutes for device drivers to install successfully



5. Open the EFI Live V8 Scan & Tune program (icon will be located on users' desktop)
6. Click on the Check Firmware button towards the top left of the window.
7. In the pop-up window, begin at the top, with Bootblock, and update each section that is out of date, by clicking on the Update button beside it. If Bootblock is up to date, proceed to firmware and click update (if available), and then proceed to config files.

EFILive Scan and Tune

File Edit View Help

F2: Scan
F3: Tune
F4: OBD
F5: BBX
F6: Devices
F7: Licenses
F8: Tools

Recent Items:

Tune Filename

- CMB_0009 (003).ctz
- CMEG56_CSP_DEL_3.13.3.ctz
- CSP4_P_170.ctz
- CSP5_T_170_P.ctz
- CSP5_T_170_P_609586v2.ctz
- CSP5_T_170_P_609586v3.ctz
- dual tank cal.ctz
- Sal DeAngelo_CMEG56_CSP_DEL_3.13.3_160644.ctz

Scan Filename	VIN	OS
E86_0002.efi	1GT120E86FF581166	12
E86_0075.efi	1GT322C87EF138272	12
E86_0004.efi	1GT120E86FF581166	12
CMC_0001.efi	3D7KS28A28G112856	55
E86_0003.efi	1GC1KXC81CF198954	12
CMB_0007.efi	3D7MX49C56G219516	55
CMD_0004.efi	3C6UD5DL9CG230084	52
585 log 1.efi	3D7MX49C56G219516	55
E86_0001.efi	1GC1KXC81CF198954	12
CMB_0001.efi	3D7MX49C56G219516	55

Update Firmware and Configuration Files

Firmware Update

Current Boot Block:

Version: Date:

Boot block version is OK.

Current Firmware:

Firmware: Date:

Firmware version is OK.

Configuration Files:

File Name	Status
A40.pmm	Update Required
A40_F.obj	Update Required
A40_R.obj	Update Required
A40_W.obj	Update Required
ch_p.dtc	Update Required
ch_u.dtc	Update Required

Please update config files

Update Files

Refresh Ok

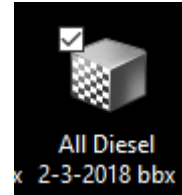
C:\Users\phenslee\AppData\Local\Microsoft\Windows\NetCache

Licenses and Streams:

[Purchase VIN License Activation Code\(s\)](#) [Purchase Stream License Activation Code\(s\)](#)

- Once it says Boot block version, Firmware version, and Config Files are all ok, Click OK at the bottom right and proceed with updating BBX settings.

Updating Device BBX Settings & Configuration Files



- Locate the All Diesel BBX file saved to your desktop and double click it
- Click on the F2: Scan tab at the top left of the window.

FlashScan/AutoCal PID Selections [Untitled.txt] Quick Setup Manager

F2: Scan

F3: Tune

F4: Switch

F5: DTCs

F6: Quick Setup

BBX Quick Setup:

- ☒ Include current device settings.
- ☒ Include current BBX configuration files.
- ☒ Format CONFIG File System before copying BBX configuration files to device.
- ☐ Delete all existing tune files before copying new tune files to device.
- ☐ Overwrite existing tune files when copying new tune files to device.

\\Ppuidc-vm\UserData\$phenslee\Desktop\All Diesel 2-3-2018 bbx.bbx (file is "read-only" and cannot be modified)

Tune Files	Type	Private	Lock	Cal-Only	Full-Only	Device Lice...	Device Serial	Controller ...	Controller ...	Target OS	Mast
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New Quick Setup Open Quick Setup Program Quick Setup Space Required for Tune Files: 0.0MB

Open Save Read Program Space Required for Configuration Files: 39%

11. Place a checkmark in each box beside the appropriate controller(s) – See Controller list below for reference

ECM Controller List:

2001-2004 6.6L Duramax LB7: E54

2004.5-2005.5 6.6L Duramax LLY: E60

2001-2005.5 Allison 5 Speed TCM: AL5

2006-2007 6.6L Duramax LBZ: E35A

2007.5-2010 6.6L Duramax LMM: E35B

2006-2008 Allison 6 Speed TCM: A40

2011-2014 6.6L Duramax LML: E86A

2009-early 2015 Allison 6 Speed TCM: A50

2015-2016 6.6L Duramax LML: E86B

2015.5-2016 LML Allison TCM: T87

2016-2018 2.8L Duramax: E98

2016-2018 2.8L Duramax 6-speed TCM: T43

2006-2007 5.9L Cummins: CMB

2007.5-2009 6.7L Cummins: CMC

2010-2012 6.7L Cummins: CMD

2013-2017 6.7L Cummins: CME

2014-2015 Chevrolet Cruze: E47

FlashScan/AutoCal PID Selections [Untitled.txt]

F2: Scan
F3: Tune
F4: Switch
F5: DTCs
F6: Quick Setup

BBL Enabled Controllers

Caption	Module(s)	HotK...	Description
☐ E54	E54		E54 LB7 Duramax ECM
☐ E60	E60		E60 LLY Duramax ECM
☐ E35A	E35A		E35A LBZ Duramax ECM
☐ E35B	E35B		E35B LMM Duramax ECM
☒ E86A	E86A		E86A LML Duramax 11-14 ECM
☐ E86B	E86B		E86B LML Duramax 2015+ ECM
☐ CMB	CMB		CMB CM849 Cummins Diesel ECM
☐ CMC	CMC		CMC CM2100 Cummins Diesel ECM
☐ CMD	CMD		CMD CM2200 Cummins Diesel ECM
☐ CME	CME		CME CM2350B Cummins Diesel ECM
☐ A40	A40		A40 Allison 6 speed TCM
☐ AL5	AL5		AL5 Allison 5 speed TCM
☒ A50	A50		A50 Allison 2009+ 6 speed TCM
☐ T87	T87		T87 6/8 speed TCM
☐ E98	E98		E98 Diesel ECM
☐ T43	T43		T43 6 speed TCM
☐ E47	E47		E47 Cruze (USA) Diesel ECM
☐ E41	E41		E41 Diesel ECM

Selections made here include both controllers (ECM & TCM) for an 11-14 LML

Selected PIDs

Name	Description	Units	Group	Source
VSS	Vehicle Speed Sensor	km/h	ECM - Generic	ECM
RPM	Engine RPM	rpm	ECM - Generic	ECM
TP	Throttle Position	%	ECM - Generic	ECM
ECT	Engine Coolant Temperature	°C	ECM - Generic	ECM
IAT	Intake Air Temperature	°C	ECM - Generic	ECM
MAF	Mass Air Flow	g/s	ECM - Generic	ECM
EGR_PCT	Commanded EGR	%	ECM - Generic	ECM
MAP	Manifold Absolute Pressure	kPa	ECM - Generic	ECM
TCDBPR	Turbocharger Desired Boost Pressure	kPa	ECM - Enhanced	ECM
TCVDES	Desired Turbo Vane Position	%	ECM - Enhanced	ECM
TCVPOS	Turbo Vane Position	%	ECM - Enhanced	ECM
FRPDI	Fuel Rail Pressure Desired	kPa	ECM - Enhanced	ECM
FRP_A	Fuel Rail Pressure (absolute)	kPa	ECM - Generic	ECM
TQ_ACT	Actual Engine Percent Torque	%	ECM - Generic	ECM
TQ_DD	Driver's Demanded Engine Percent Torque	%	ECM - Generic	ECM
FRP_C	Fuel Rail Pressure	kPa	ECM - Generic	ECM
FRPVAC	Rail Pressure Control Valve Measured Current	mA	ECM - Enhanced	ECM

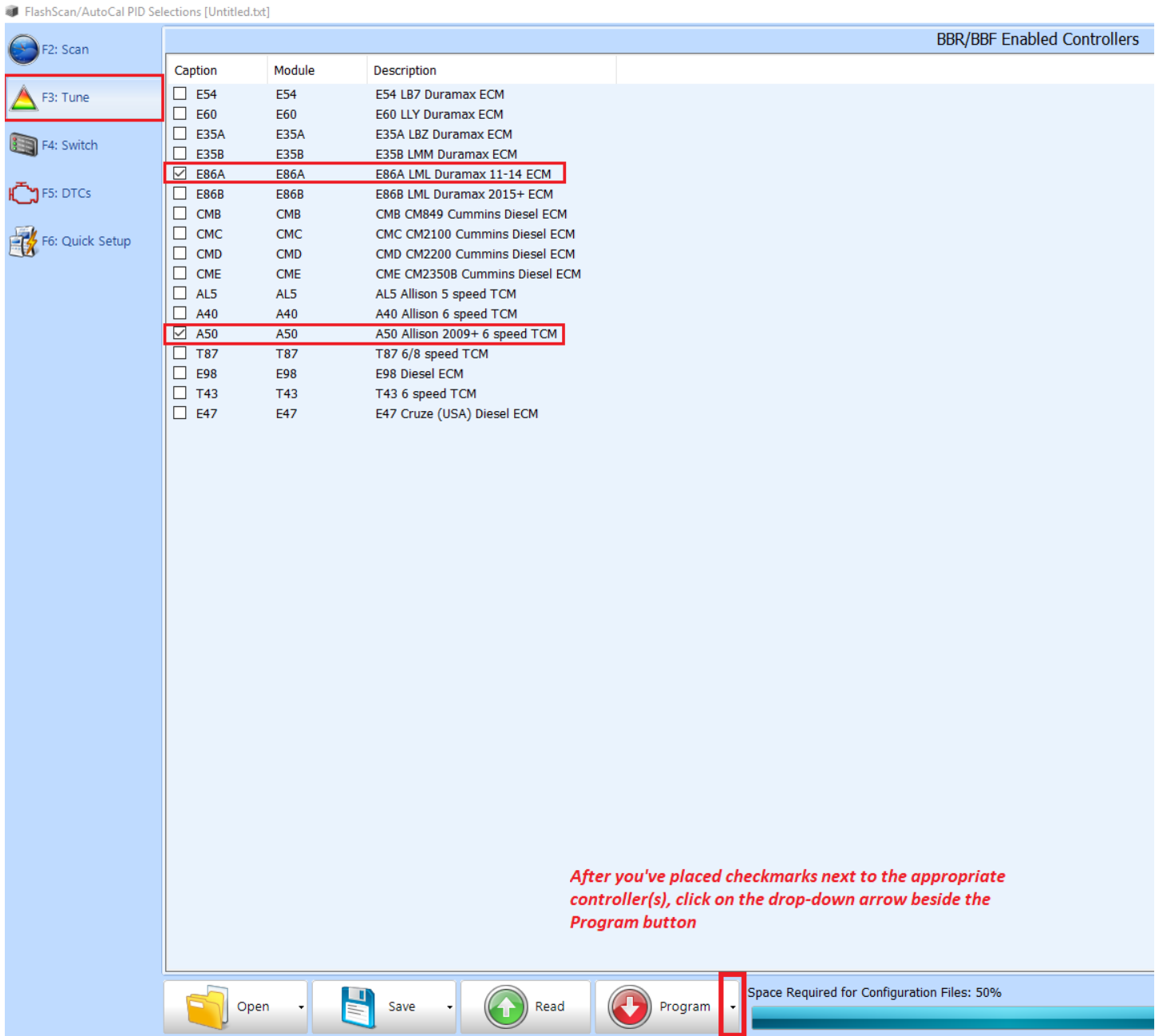
Channel Allocation Per Controller:
E86A 55 of 112 channels used

Search for PIDs:
Channels: Any Group: All
Search:

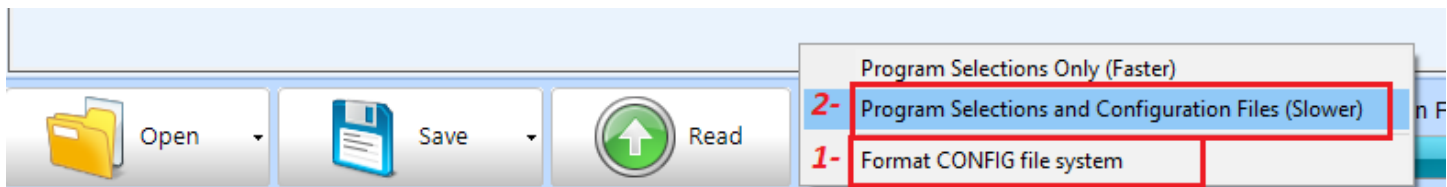
Space Required for Configuration Files: 43%

Open Save Read Program

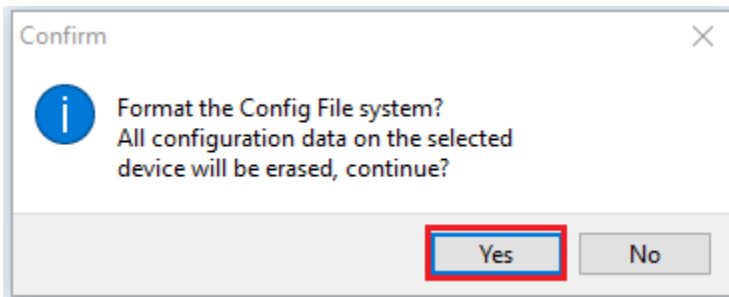
12. Click on the F3: Tune tab and select the appropriate controller(s) again



13. After you've made your selections next to the appropriate controller(s), click on the dropdown beside the Program button at the bottom of the window

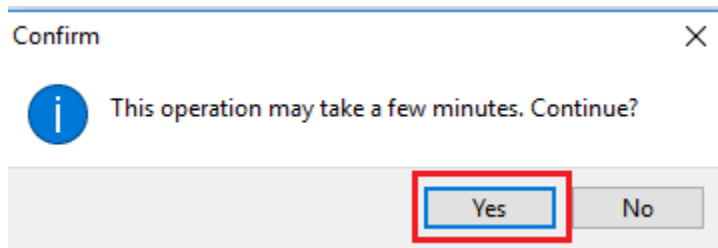


14. Select the third option in the list “Format CONFIG file system” – Click Yes on the pop-up window



15. Click on the dropdown beside the Program button again, and this time select the second option in the list “Program Selections and Configuration Files (Slower)”

16. Click Yes on the popup window to continue.



17. Once the green progress bar finishes moving across the screen, a popup window will say “Configuration files have been copied.” – Hit OK on that message and select Close at the bottom right of the screen.

18. Your Autocal/V2 is now up-to-date and properly configured!