

89-89-99-065 Rev.M

# NOTES

## \*It is the responsibility of the customers/installer to make sure the vehicle is on the latest stock calibration from Toyota.

### A laptop computer running Windows 7, 8 or 10 with an Internet connection is required.

## Go to MagnusonSuperchargers.com

#### 1a. For Tacoma:

Under Superchargers → Toyota → Tacoma → Toyota Tacoma 2GR-FKS 3.5L V6 Superchargers System → Manuals, Documents and Calibration. Click on "Toyota Tacoma 3.5L Calibration File Form 1".

#### 1b. For Tundra:

Under Superchargers  $\rightarrow$  Toyota  $\rightarrow$  Tundra  $\rightarrow$ 2019 Toyota Tundra 3UR-FE 5.7L V8 Superchargers System  $\rightarrow$  Manuals, Documents and Calibration. Click on "Toyota Tundra 2019+ Calibration File Form 1".

#### 1c. For 4Runner:

Under Superchargers  $\rightarrow$  Toyota  $\rightarrow$  4Runner  $\rightarrow$ TVS1320 4Runner 4.0L Supercharger System  $\rightarrow$  Manuals, Documents and Calibration. Click on **"Toyota 4Runner 4.0L** Calibration File Form 1".







 Fill out the Calibration File Form 1. Please use accurate information in order to get a faster response. Tool will be licensed within 24 hours (Monday-Friday excluding holidays).

Toyota Tacoma 3.5L Calibration File Form 1
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3. Connect your vehicle's battery to a battery charger to ensure that you have at least 12V at all times while following these instructions.

4. Gather the supplied VF Tuner flash tool.





5. Now go to <u>https://www.</u> <u>magnusonsuperchargers.</u> <u>com/</u> and click on the "Support" tab at the top of the page.



 Click on the "Toyota Flash Tool" which is on the "Support" page. Note: You will need to turn off any firewall and antivirus programs for these downloads.



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7. Click on "Run".

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O @ P Search or enter web addres

 If you get a "Windows protected your PC" message, click on more info.



9. Click on "Run Anyway".



10. Select "I accept the	Setup - vF Tuner version 1.2.9.9.5 - X
agreement" then click	License Agreement Please read the following important information before continuing.
Next.	Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
	License agreement
	This is a legal agreement between you, the "END USER", and OVTURE IIC ("AUTHOR"). Use of this software (the "SOFTWARE") written by AUTHOR indicates your acceptance of these terms. A CREAT OF INTERFE AUTHOR between sense use the software with the SOFTWARE is a penale
	<ol> <li>GRANT OF LLEURGE. AN Invice nettery grants you the right to use the SUH I MARKE on a single computer. The SOFTWARE is considered in use on a computer when it is loaded into temporary memory or installed into permanent memory.</li> </ol>
	2. PROPRETAKY R3CHTS. The SOFTWARE is owned exclusively by AUTHOR, and this license does not transfer any ownership of the SOFTWARE to you. A 3. NON PREMITTED USES. You may not transfer reverse program, disassemble, decomple or
	otherousia reverse enonceer the COETWARE. You may not obser any information related to tables.
	O I do not accept the agreement
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11. Click on "Next".	Setup - vF Tuner version 1.2.9.9.5 – 🗆 🗙
	Information Please read the following important information before continuing.
	When you are ready to continue with Setup, click Next.
	16. You may not claim any feature developed by vF Tuner as a feature provided by your company, a rather this feature is provided by vF Tuner to you, the customer.
	17. Adatana, cutator reatures may be provided through exclusive and unique cataration tab, which must be unlocked through the purchase of credits. The customer does not automatically obtain the right to use any feature, the customer must purchase license credits to use features when applicable.
	Update: 1.0.08; - Table sizing, structure - tables for lexus RC-F ECM. TCU
	controls for Flashing - Flash capability     craph bockground colorization     other frees
	Update: 1.0.09 - Table structure fix - Cylinder AFR correction 12, 34, 56 - Tables Release: Rev limits, Dash Control, Oll Control limits, ECT Limits
	Feature Release - Inst Geer lock out files / Burn Out Mode     Button to open Flash Tool     Other minor fixes
	Next > Cancel
· • • • · · · · · · · ·	
12. Click on "Next".	Setup - vF Tuner version 1.2.9.9 - X Select Destination Location
	Where should v= Tuner be installed?
	Setup will install vF Turner into the following folder.
	To commute, dick Next. If you would like to select a different tolder, dick browse.  Stypcorton Files (x85)/x#Tuner  Browse
	At least 293.9 MB of free disk space is required.
	Next > Cancel
13 Select "Create a desktop	Setup - vF Tuner version 1.2.9.9.5 — 🗌 🗙
shortcut Click on "Next"	Select Additional Tasks Which additional tasks should be performed?
	Select the additional tasks you would like Setup to perform while installing vF Tuner, then click Next.
	Additional shortcuts:
	Create a desktop shortcut
	Next > Cancel

#### 14. Click on "Finish".



 Open the software by double clicking on the software shortcut icon "vF Tuner" on your computer desktop.



## Identifying the ECU

- The following steps require you to connect your vehicle to the laptop through the OBDII Port using the orange dongle. You <u>MUST</u> also have internet connection on your laptop.
- 17. Turn the ignition switch to the on position (Engine off). On Tacoma's / Tundra's with a push button start DO NOT depress the brake pedal and push the start button twice. Click on Flash ECU icon shown with the arrow.





 Click on "Prepare ECM" the ID number is your calibration ID. Do not license the vehicle at this point yet. Calibration ID should look something like ex: 8966304B3100.



#### Go to back to MagnusonSuperchargers.com

- 19a. For Tacoma: Under Superchargers → Toyota → Tacoma → Toyota Tacoma 2GR-FKS 3.5L V6 Superchargers System → Manuals, Documents and Calibration. Click on "Toyota Tacoma 3.5L Calibration File Form 2".
- 19b. For Tundra: Under Superchargers → Toyota → Tundra → 2019 Toyota Tundra 3UR-FE 5.7L V8 Superchargers System → Manuals, Documents and Calibration. Click on "Toyota Tundra 2019+ Calibration File Form 2".
- 19c. For 4Runner: Under Superchargers
  → Toyota → 4Runner → TVS1320 4Runner 4.0L
  Supercharger System
  → Manuals, Documents and Calibration. Click on
  "Toyota 4Runner 4.0L
  Calibration File Form 2".







- 20. Fill out the Calibration File Form 2. Please use accurate information in order to get a faster response.\*Magnuson Superchargers will send back a calibration file within 24 hours (Monday-Friday excluding holidays).
- 21. When you receive the new calibration file back, re-connect to the vehicle. (Key on **engine off**). Open the VF tuner software and click on the flash ECU icon. Click on prepare ECU.
- Make sure you have a battery charger connected. Click on "Prepare ECM" Follow on screen prompts.

Toyota Tacoma 3.5L Calibration File Form 2



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Prepare EOM	1 1	Cabraten Nac		
Select Calibration File	Celbrate TOH			
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Read UES TOM	Read DTC			
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Read ECU BKI	Read ECU 38	Nuel ICU LAT		
Read (ICU Bk)		Read RCJ 1.3T		
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			10	DITEMPET ACCESS IS REQUIRED TO PLASH A VEH

23. Follow the prompt on screen and click "Select Calibration File".

ECU Programming U	ality		
	-	Calibration File:	
Prepare ECN	Cilinix ID		
Select Calibrator His			
Read PS EON	Asset ECH	Gent Force Flash	
Read PS TCM	CierTCU	Gen3 Force Fligh	
Read LOS ECH	Clear DTC	Gen2 TCM Force Flash	
Read LOS TOM	Read ETC		
	libration		
111111111111	a		×
Read ECU Bit	Read (CCU 34	Read EQU LAT	
Read ECU 842		Read ECU 1.3T	
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			BUTTONE LOTING IN BRANDS TO BE LOD A LODGE

24. Click on calibrate ECM and follow the prompts on the screen. Progress bar will be completely green when it is complete

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FECU Programming Ut	tilty			>
Presses L'Dil	Office ID	Calibration File:		
Select Calibraton He	Califrata TON		-	
Read PS EON	Reset ECH	Gent Rorce Riedh		
Read PS TCM	Cear TOJ	Gen2 Force Flimh		
Read LOS ECH	Clear DTC	Gen2 TCM Force Flash		
Read LOS T/ON	Read DTC			
Uprede ECN/TCH Cal	bretien		V	
Read ECU Bit	Read GCU 38	Aesd EQLL &T	~	
Read ECU BIQ		Read BCU 1.3T		
			c	

# NOTES

If you have any troubles with this process contact our technical support at support@magnusonsuperchargers.com or call 1-805-642-8833 (Press Option 3).





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