

# **OVTUNE TACOMA INSTRUCTIONS**

### **FLASHING & UPDATES**

### CHECKING YOUR ECU ID, DOWNLOADING AND FLASHING TUNES

### THESE INSTRUCTIONS WILL COVER DOWNLOADING THE TUNE FILES AND CHECK YOUR ECU ID, FLASH TUNES AND GETTING UPDATES.

\*NOTE – INTERNET CONNECTION IS REQUIRED TO DOWNLOAD TUNE FILES.

LAST UPDATED 02/2019



#### TO BEGIN, RUN TOYOTA FLASH MANAGER

	Turnto Florit Manager (Grafier 100)			~
	Config. Turning, Usin		- 0	^
	Config Tuning Help			
Toyota Flash	Dongle:	Yes 🗸		
Manager 1	Year:	2017 ~		
	ECU Calibration:	04804 - AT V		
	Tune Version:	1.05 ~		
	Octane:	87 ~		
	Options:	None V		
		Download		

RUN "P5 FLASH UTILITY" (IMAGE IS RE-USED FROM PREVIOUS INSTRUCTIONS)

OR if you have our dongle kit (mini black or purple USB) run PCMFLASH Utility

FOR DONGLE USERS - (If your kit came with a mini black USB or Purple USB Flash drive)

Plug your USB drive into your computer and use the PCMFLASH utility for flashing, NOT the P5Flash utility.

漤 Тоуо	ta Flash N	1anager [Config: 1.2.0]				—	×
Config	Tuning	Help					
*	Inst	all OVTUNE Cable Drivers	1				
	View	w Instructions					
	P5F	lash Utility					
	PC	MFlash Utility					
	Dat	alogger	Dongle:	Yes	$\sim$		
	Dat	alog Viewer	Year:	2017	$^{\vee}$		
	Оре	en Download Location	ECU Calibration:	04804 - AT	$^{\vee}$		
			Tune Version:	1.05	$\sim$		
			Octane:	93	$\sim$		
			Options:	Performance	$\sim$		
				Download			

📸 Toyota Flash Manager [Config: 1.0.0]	- 🗆 X	
Config Tuning Help		
Install OVTUNE Cable Drivers		
View Instructions		
P5Flash Utility		
Datalogger angle:	Yes 🗸	
Open Download Location Year:	2017 ~	
ECU Calibration:	04B04 - AT 🗸	
Tune Version:	1.05 ~	
Octane:	87 ~	
Options:	None ~	
	Download	
✤ ToyFlash [1.1.0]	_	
Interface: J253	4: Tactrix Inc OpenPort 2.0 J2534 ISO/CAN/VPW/PWM	-
Identify El	ach TH Read DTC Clear DTC	
System ID: NTE8QBM	8E32L2I8P53 DVTUNE	~
		~
Сору	Clear	Cancel

CONNECT TO YOUR VEHICLE AND TURN YOUR VEHICLE ON (ENGINE OFF)



\*NOTE: THE VEHICLE MUST BE FULLY ON, NOT ACCESSORY MODE. IF YOU HAVE A PUSH BUTTON START, PRESS IT TWO TIMES WITHOUT YOUR FOOT ON THE BRAKE.



#### ON TOYFLASH (P5 FLASH UTILITY) CLICK "IDENTIFY"

Then, Click 'Identify button'

erface:	32534: Tactrix I	inc OpenPort 2.	0 J2534 ISO/CAN/VP	N/PWM	
Identify	Flash It!	Read DTC	Clear DTC		

Once the software identifies your truck, check your ECU version (for example, 89663-04B03 / Picture below)

Calibration:	896620480200
Calibration file:	89663-04803
Part Number:	89661-04K53
Completed	COULD WOR
Interface: Tactrix I DLL: 1.02.4791 Jun Firmware: 1.17.48	nc OpenPort 2.0 J2534 ISO/CAN/VPW/PWM n 2 2016 12:43:17 77
Protocol: Toyota: 7	76F0199 GearBox P5-CAN-bus
Calibration:	896650401300
Calibration file: Completed	89665-04013

#### PLEASE REVIEW YOUR TRUCK DETAILS :

YOU WILL SEE "CALIBRATION FILE (red arrow points to). Notice the last 5 digits of the ID.

In this example, the ID is 04B03 (see red arrow).

Check YOUR Truck ID.

Next, Go to our Flash Manager Software.

Under "Dongle" Select NO

涉 Toyota Flash Manager [Config: 1.0.0]			—	$\times$
Config Tuning Help				
1				
Dongle:	Yes 🗸 🗸	נ		
Year:	Yes No			
ECU Calibration:	04B04 - AT 🗸 🗸			
Tune Version:	1.05 ~			
Octane:	87 ~			
Options:	None $\sim$			
	Download			
				.:!

#### UNDER <u>YEAR</u>, SELECT THE YEAR OF YOUR TRUCK

**\*NOTE:** For 2016 Trucks, some of them may have been updated by the dealer, our flash manager goes by CALIBRATION YEAR. SO, if you DO NOT SEE your ECU CALIBRATION option under that year, please select one year newer. So for example if your truck is 2016 and there is no matching ID, please select "2017")

#### SELECT ECU CALIBRATION THAT MATCHES WITH YOUR ECU ID

涉 Toyota Flash Manager [Config: 1.0.0]		_	×
Config Tuning Help			
1			
Dongle:	Yes 🗸		
Year:	2017 ~		
ECU Calibration:	04B04 - AT 🗸		
Tune Version:	04803 - AT		
Octane:	04B24 - AT		
Options:	04B12 - MT		
	04B13 - MT Download		
			.:

#### NEXT, SELECT TUNE VERSION TO DOWNLOAD (1.05 IS OUR LATEST RELEASE)

FOR EXAMPLE, "STOCK" IS FOR THE <u>STOCK TUNE IF YOU WOULD LIKE TO FLASH BACK TO</u> <u>STOCK.</u>

📸 Toyota Flash Manager [Config: 1.0.0]	- 🗆 X
Config Tuning Help	
:	
Dongle:	Yes 🗸
Year:	2017 ~
ECU Calibration:	04B04 - AT 🗸
Tune Version:	1.05 ~
Octane:	1.05
Options:	None ~
	Download

SELECT THE OCTANE OF THE TUNE YOU WOULD LIKE UNDER THE "OCTANE" OPTION

SELECT THE OPTION THAT YOU WOULD LIKE, FROM THE AVAILABLE OPTIONS.

FOR EXAMPLE, OUR "MPG" ORIENTED TUNE, OR OUR "PERFORMANCE" ORIENTED TUNE. OR

😿 Toyota Flash Manager [Config: 1.0.0]	- L X
Config Tuning Help	
1	
Dongle:	Yes V
Year:	2017 ~
ECII Calibration:	04804 - AT ×
Tues Version	
Tune version:	1.05 ~
Octane:	87 ~
Options:	None 🗸
	Download

FOR EXAMPLE FOR AT TRUCKS, OUR "GEAR LOCK" TUNE.



#### ONCE YOU HAVE SELECTED YOUR OPTIONS, PRESS "DOWNLOAD"

📸 Toyota Flash Manager [Config: 1.0.0]	- 🗆 X
Config Tuning Help	
3	
Dongle:	Yes 🗸
Year:	2017 ~
ECU Calibration:	04B04 - AT 🗸
Tune Version:	1.05 ~
Octane:	87 ~
Options:	None ~
	Download
Error downloading file C:/Users/Mathew Wilson/Toy	ota Flash Manager/tunes/1.05/dongle_04B04_1.05_{

#### IT MAY TAKE A MOMENT TO DOWNLOAD THE FILE. NOTE, YOU MUST HAVE INTERNET CONNECTION TO DOWNLOAD THE FILES.

🜟 Toyota Flash Manager [Config: 1.0.0]	_	×
Config Tuning Help		
Install OVTUNE Cable Drivers		 
View Instructions		
P5Flash Utility		
Datalogger ongle: Yes V		
Datalog Viewer		
Open Download Location		
Tune Version: 1.05 V		
Octane: 87 V		
Options: None 🗸		
Download		
		.::

TO GET YOUR FILES OPEN THE DOWNLOAD LOCATION:

THIS WILL OPEN A FOLDER WITH YOUR TUNE FILES. YOU WILL SEE THEM LABELED EXACTLY HOW YOUR SELECTION WAS SETUP. (FOR EXAMPLE, SID\_04B03\_1.05\_87.P5F)



NEXT, PREPARE TO FLASH YOUR TRUCK.

**CLICK "FLASH IT" ON TOYFLASH SOFTWARE** 

SELECT THE TUNE FILE YOU HAVE DOWNLOADED (IF YOU HAVE DIFFICULTY FINDING IT, MOVE IT TO A DIFFERENT FOLDER OR YOUR DESKTOP FROM THE DOWNLOAD LOCATION FOLDER)

ALLOW THE TRUCK TO FLASH. THIS CAN TAKE UP TO 5 MINUTES.

#### FLASHING YOUR TRUCK:

Flashing is as simple as reading. Run p5flash(Toyflash), connect to truck,  $\mbox{truck}$  ON engine OFF

Click the button "flash it!", Then select your tune file(s)



#### ONCE THE FLASH HAS COMPLETELY SUCCESSFULLY, THE TRUCK FLASH IS COMPLETE.

PLEASE START THE TRUCK AND ALLOW IT TO IDLE FOR 1-2 MINUTES. THIS WILL INITIATE THE FUEL TRIM LEARNING.

**\*NOTE:** THESE ECUS USE VARIOUS TRIM LEARNING METHODS AND HAVE A COMPLEX CALIBRATION FOR CONTROLLING THE ENGINE AND TRANSMISSION. THE TRUCK MAY DRIVE DIFFERENTLY FOR THE FIRST 15-20 MILES WHILE ALL LEARN TRIMS SETTLE.

YOU MAY EXPERIENCE SLIGHTLY UNSTABLE IDLE FOR THE FIRST 10-30 MILES, OR UNTIL ALL IDLE LEARNING IS COMPLETE.

## **FUTURE UPDATES**

#### FOR FUTURE UPDATES (WHEN WE RELEASE A NEW TUNE OPTION)

#### SIMPLY SELECT " UPDATE " ON FLASH MANAGER, ALLOW IT TO UPDATE, AND THE NEW TUNE FILES WILL BE AVAILABLE.

😿 Toyota Flash Manager [Config: 1.0.0]		_	×
Config Tuning Help			
update			
About			
Dongle:	Yes 🗸		
Year:	2017 ~		
ECU Calibration:	04B04 - AT $$		
Tune Version:	1.05 ~		
Octane:	87 ~		
Options:	None $\vee$		
	Download		

WHEN WE RELEASE A NEW TUNE, WE POST IT ON OUR WEBSITE AS A BLOG POST.

IF YOU NEED ANY FURTHER ASSITANCE, PLEASE EMAIL US

EMAIL TO: <a href="mailto:support@ovtune.zendesk.com">support@ovtune.zendesk.com</a>

We will try to get back to you as soon as possible. Regular processing time for response/registry file/tune files is 2-4 business days.