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### Requirements

- 1. Windows 7 or higher compatible Laptop
- 2. Laptop with Bluetooth compatibility



### **Bluetooth Connection Process**

- Plug the Spork OBD-II Dongle into the OBD-II port of the vehicle.
  Pair the Delicious Tuning Spork to the laptop
- 3. Make sure the laptop shows it is connected after it has paired successfully.

• PC and devices	٩	Manage Bluetooth devices
		Your PC is searching for and can be discovered by Bluetooth devices.
Lock screen		
Display		Delicious Tuning Spork Ready to pair
Bluetooth		Pair
Devices		
Mouse and touchpad		
Typing		
Corners and edges		
Power and sleep		
AutoPlay		
Disk space		
PC info		



### Software Installation

- 1. Extract from the zip file to the desktop and double click the installation executable
- 2. Follow the steps to install the software for reflashing your vehicle





## **Retrieving Spork's Serial Number**

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- Double click the Delicious Tuning Flash Tool Icon to open the software
  a. This will automatically connect to the Delicious Tuning Spork Hardware
- 3. Goto -> Tuning -> Device Info and Retrieve the Serial Number
- 4. Please email the serial number to sales@delicioustuning.com

D	Delicious Tuning Flash Tool	_ 🗆 🗡
File Logging Tuning Window	Help	
No file loaded	×	
Potie loaded  Otata Logging  Trouble Codes	Log    Info      Log    Info	ciousTuning\Profiles



### **Retrieving the ECU's ROM Calibration**

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- 2. Double click the Delicious Tuning Flash Tool Icon to open the software
- 3. Goto -> Tuning -> Read to download the calibration information
- 4. Please "OPEN" the file when prompted to do so.
  - a. If asked to upgrade to latest version, select "YES".
  - b. The file identification will be at the top of the left hand window.
  - c. Ex. "2001 Subaru Forester 2457cc (AJ211)"
- 5. Please send those details to sales@delicioustuning.com

D	Delicious	Tuning Flash Tool	_ □	×
File Logging Tuning Window Help				
Untitled: 2001 Subaru Forester 2457cc (AJ511)	×	Read ECU Reading ECU calibration	pen	
	Log Info 16:45:10 16:45:10 16:45:11 16:45:14 16:45:14 16:45:24	Connecting to ECU Connecting to Delicious Tuning Spork device. Delicious Tuning Spork device connected ECU ID: 2312000205, System ID: A11001 Reading ECU calibration Finished ECU read	*	^
Ready			Connected Stopped	<b>v</b>



# Reflashing the custom ECU ROM Calibration

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- 2. Double click the Delicious Tuning Flash Tool Icon to open the software
- 3. Goto -> File -> Open and select the file that was emailed and downloaded to your laptop
- 4. Goto -> Tuning -> Write to flash the calibration onto the ECU and follow the on screen steps
  - a. The green test mode connectors are located under the driver's side dash.

D	Delicious Tuning Flash Tool	_ 🗆 🗡
File Logging Tuning Window Help		
Untitled: 2001 Subaru Forester 2457cc (AG037) ×		
Oata Logging  Trouble Codes  Oata Logging  Oata Logging	Write ECU    X      Connect green test connector and turn ignition on.    OK      OK    Cancel	
	Log Info	
	16:46:25 ECU ID: 2312000205, System ID: A11001	^
	16:46:25 Reading ECU calibration	
	16:46:35 Finished ECU read	
	16:46:39 Stock ROM detected	
	16:58:32 Loaded calibration from ECU, ECU type: AG037	
	ECU operation cancelled by user	
		¥
Ready	Not connecte	d Stopped



# Setup logging profile for ECU ROM Calibration

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- 2. Double click the Delicious Tuning Flash Tool Icon to open the software
- 3. Goto -> File -> Open and select the file that was emailed and downloaded to your laptop
- 4. Goto -> Logging -> Settings and "Select ECU"
  - a. Select the Model, Market (USDM if purchased in North America) and Year
  - **b.** Then select the highest valued ECU ID and press OK
  - c. Set ECU as default profile and press OK, it will ask you to save the profile.

Filter						
Model	Any	✓ Market Any	✓ Engine	Any	~	
Year	1999	✓ to 2016 ✓	ECU			
howing <mark>243/</mark> 2	243 calibr	ations				
ECU	Year	Model	Engine	OS ID	ROM ID	
AF408X-AT	2002	GDEA Impreza USDM	EJ251	A11001	1B12008105	
AF408X-MT	2002	GDEA Impreza USDM	EJ251	A11001	1B12008005	
AF580	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12000405	
AF581	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12000705	1
AF582	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12080805	1
AF583	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12080905	
AF584	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12080A05	
AF592	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12000805	
AF593	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12000905	
AF594	2000	(GC) Impreza 2.5RS USDM	EJ251	A11001	1E12000A05	
		PEOP BUOD O 11 LUCDU				



### Setup logging parameters for ECU ROM Calibration

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- 2. Double click the Delicious Tuning Flash Tool Icon to open the software
- 3. Goto -> File -> Open and select the file that was emailed and downloaded to your laptop
- 4. Goto -> Logging -> Select Parameters (list below) and Save As to store the changes.
  - a. Some parameters will be different or missing between ROM's.

Logging Profile	×
Subaru Impreza MY2000, EJ251 ECU: AF594 System ID: A11001 Select ECU Set as defa Auxiliary Logger None V Port None	ault profile for ECU ault profile for System ID
Available Parameters	Selected Parameters       Intake Air Temperature      Atmospheric Pressure      Mass Air Flow      Manifold Absolute Pressure      Mairfold Relative Pressure      Air/Fuel Sensor #1      Injector Pulse Width      Fuel Trim - Short Term      Engine Speed      System Voltage      Idle Speed Control Valve Steps      Ignition Advance - Fine Learn      Ignition Advance      Throttle Position      Oxygen Sensor Voltage - Rear      Fuel Trim - Long Term      Coolant Temperature
Parameter: Intake Air Temperature Units: degrees celsius (°C) Profile File Name:	
Open Save As	OK Cancel

Please select at least these parameters (right hand column) when sending logs.

1250 Activity Dr. Ste A Vista, CA 92081 408-480-0995



### Logging based on the custom ECU ROM Calibration

- 1. Make sure to the have the Spork plugged into the vehicle and the car in the ON position
- 2. Double click the Delicious Tuning Flash Tool Icon to open the software
- 3. Goto -> File -> Open and select the file that was emailed and downloaded to your laptop
- 4. Goto -> Logging -> Start
  - a. This will start logging immediately
- 5. Goto -> Logging -> Stop
  - a. This will stop the logging process
- 6. Goto -> Logging -> Open Log Folder
  - a. Select the most recent logs and please email them to your tuner for review.

Logging      Tuning      Window      Help        Unterstand      Data Logging      Transbe Codes        •      Transbe Codes      Information      Information      Information        •      Information      Information      Information      Information      Information        •      Information      Information      Information      Information      Information      Information        •      Information      Information </th <th>)</th> <th></th> <th>Delicio</th> <th>us Tuni</th> <th>ng Flash</th> <th>Tool</th> <th></th> <th></th> <th>_ □</th>	)		Delicio	us Tuni	ng Flash	Tool			_ □
Logging      Farameter      Units      Value      Min      Mas        • Toroble Codes      •	ile Logging Tuning Window Help								
Link Largence      Parameter      Units      Value      Min      Max        Trouble Codes      Mainfold Absolute Pressure      KB      101.0      101.0      101.0      101.0        Information      Ignition Advance - Fine Learn      *      440.      -400.      -440.      -400.      -440.      -400.      -440.      -400.      -440.      -400.      -440.      -400.      -440.      -400.      -400.      -440.      -400.      -440.      -400.      -440.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.      -400.	titled: 2001 Subaru Forester 2457cc ( 🗙	Data Logging							
• Trouble Codes      Image Name      Im	Data Logging		Parameter	Unite	Value	Min	Max		
Information      Imported reacting in the imported reacting i	Trouble Codes	Manifold Ab	solute Pressure	kPa	101.0	101.0	101.0		
Ignition Advance - Fine Learn      4      -64.0      -64.0        Ignition Advance - Fine Learn      4      0.0      0.0      0.0        Throad Position      %      7.8      7.8      7.8        Engine Speed      rpm      25      25      25        Fuel Trim - Short Term      %      0.00      0.00      0.00        Fuel Trim - Short Term      %      0.000      0.00      0.00        Air/Fuel Sensor #1      \lambda 0.992      0.992      0.992      0.992        Oxgen Sensor Voitage - Rear      mV      325      325      325        Intake Air Temperature      °C      -40      40      40        Coolant Temperature      °C      -40      -40      -40        Tr225:09      Stock ROM detected      17:25:09      Stock ROM detected      17:25:10      Loaded calibration from ECU. ECU type: AJ511        17:25:16      Connecting to ECU      17:25:16      Connected to ECU      17:25:16      Connected to ECU      17:25:16      Connected to ECU      17:25:16	Information	li	8	10.0	10.0	10.0			
Ignition Advance - Fine Learn      4      0.0      0.0        Throttle Position      %      7.8      7.8      7.8        Fingine Speed      rpm 225      25      25        Fuel Trim - Short Term      %      0.00      0.00        Ali//Fuel Sensor #1.3      0.992      0.992      0.992        Oxgen Sensor Voltage - Rear      mV      325      325        Intake Air Temperature      %      4.40      4.40        Coolant Temperature      %      4.40      4.40        Coolant Temperature      %      4.40      4.40        17.24:00      Finished ECU read      17.25:0      1.40      4.40        17.25:09      Stock ROM detected      17.25:0      1.20      4.40      4.40        17.25:10      Loaded calibration from ECU. ECU type: AJ511      17.25:16      Connecting to ECU      17.25:16      Connected to ECU      17.25:16      Connected to ECU      17.25:16      Connected to ECU      17.25:16      Tome ECU      17.25:16      Tome ECU      17.25:10      1.25:12:10:10:10:10:10:10:10:10:10:10:10:10:10:		Ignition Advance	0	-64.0	-64.0	-64.0			
Log      Info        17:24:00      Finished ECU read        17:25:09      Stock ROM detected        17:25:10      Loaded calibration for ECU. ECU type: AJ511        17:25:16      Connected to ECU        17:25:16      Connected to ECU		Ignition Adva	nce - Fine Learn		0.0	0.0	0.0		
Engine Speed      rpm      25      25        Fuel Trim - Short Term      %      0.00      0.00        Fuel Trim - Long Term      %      100.00      0.00        Ali/fuel Sensor #1      %      0.0922      0.992        Oxygen Sensor Voltage - Rear      mV      325      325      325        Intake Air Temperature      °C      -40      -40      -40        Coolant Temperature      °C      -40      -40      -40        Coolant Temperature      °C      -40      -40      -40        Tr224:00      Finished ECU read      -722:00      Finished ECU read      -722:00        Tr25:09      Stock ROM detected      -725:01      Loaded calibration from ECU. ECU type: AJ511      -725:10        17:25:10      Loaded calibration from ECU. ECU type: AJ511      -725:16      Connected to ECU        17:25:16      Connected to ECU      -721:20:02:05:      -721:20:02:05:		Т	hrottle Position	%	7.8	7.8	7.8		
Log      Info        17:24:00      Finished ECU read        17:24:00      Finished ECU read        17:25:10      Load calibration from ECU. ECU type: AJ511        17:25:16      Connected to ECU        17:25:16      Connected to ECU			Engine Speed	rpm	25	25	25		
Fuel Trim - Long Term      Si      100.00      1.00.00      0.090        Air/Fuel Sensor #1      A      0.992      0.992      0.992        Oxgen Sensor Voltage - Rear      Trime - Long      M      2325      325        Intake Air Temperature      *C      -40      -40      -40        Coolant Temperature      *C      -40      -40      -40        Trizevoir      Finished ECU read		Fuel Tr	rim - Short Term	%	0.00	0.00	0.00		
Air/fuel Sensor #1    A    0.992    0.992    0.992      Oxgen Sensor Voltage - Rear    mV    325    325      Intake Air Temperature    fc    4.0    4.0      Coolant Temperature    fc    4.0    4.0      Coolant Temperature    fc    4.0    4.0      Coolant Temperature    fc    4.0    4.0      Trize    fmfo    17:24:00    Finished ECU read      17:25:09    Stock ROM detected    17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:10    Loaded calibration from ECU    17:25:14    Connected to ECU      17:25:16    Connected to ECU    17:23:2000205'.		Fuel T	rim - Long Term	%	-100.00	-100.00	0.00		
Log      Info        17:24:00      Finished ECU read        17:25:09      Stock ROM detected        17:25:10      Loaded calibration from ECU. ECU type: AJ511        17:25:16      Connected to ECU        17:25:16      Connected to ECU with ROM ID '2312000205'.		Air	/Fuel Sensor #1	λ	0.992	0.992	0.992		
Log      Infake Air Temperature      *C      -40      -40      -40        Coolant Temperature      *C      -40      -40      -40      -40        Coolant Temperature      *C      -40      -40      -40      -40        Image: State Sta		Oxygen Senso	r Voltage - Rear	mV	325	325	325		
Log    Info      17:24:00    Finished ECU read      17:25:09    Stock ROM detected      17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:14    Connecting to ECU      17:25:16    Connected to ECU      17:25:16    Connected to ECU with ROM ID '2312000205'.		Intake A	Air Temperature	°C	-40	-40	-40		
Log      Info        17:24:00      Finished ECU read        17:25:09      Stock ROM detected        17:25:10      Loaded calibration from ECU. ECU type: AJ511        17:25:14      Connecting to ECU        17:25:16      Connected to ECU        17:25:16      Connected to ECU with ROM ID '2312000205'.			in remperatore	-	-10				
Leg    Info      17:24:00    Finished ECU read      17:25:09    Stock ROM detected      17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:14    Connecting to ECU      17:25:16    Connected to ECU      17:25:16    Connected to ECU with ROM ID '2312000205'.									
17:24:00    Finished ECU read      17:25:09    Stock ROM detected      17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:14    Connecting to ECU      17:25:16    Connected to ECU      17:25:16    Connected to ECU with ROM ID '2312000205'.		Log Info							
17:25:09    Stock ROM detected      17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:14    Connecting to ECU      17:25:16    Connected to ECU      17:25:16    Connected to ECU with ROM ID '2312000205'.		17:24:00 Finished ECU read							
17:25:10    Loaded calibration from ECU. ECU type: AJ511      17:25:14    Connecting to ECU      17:25:16    Connected to ECU      17:25:16    Connected to ECU with ROM ID '2312000205'.		17:25:09	Stock ROI	M detec	ted				
17:25:14      Connecting to ECU        17:25:16      Connected to ECU        17:25:16      Connected to ECU with ROM ID '2312000205'.		17:25:10	Loaded c	alibratio	n from E	CU. ECU ty	ype: AJ511		
17:25:16      Connected to ECU        17:25:16      Connected to ECU with ROM ID '2312000205'.		17:25:14	Connectin	g to EC	U				
17:25:16 Connected to ECU with ROM ID '2312000205'.		17:25:16	Connecte	d to ECU	J				
		17:25:16	Connecter	d to ECU	J with RO	M ID '231	2000205'.		



#### PROGRAMMING POLICY; RESULTS NOT GUARANTEED

Results are not guaranteed for Installation Services and Programming Services. Any horsepower estimates are believed to be accurate based on the best information available at the time the estimates are made, however they are subject to the efficiency of individual automobile engines and transmissions, and may be adversely affected by the intake system, turbochargers, suspensions, O2 sensors, the exhaust system, other performance products, programming devices, among other variables outside of the control of DT For example, an important part of having my automobile tuned is to be sure that the intake tract is free of leaks both when in positive boost pressure and under engine vacuum. The vast majority of modern day cars use an extremely sensitive mass airflow sensor which can be thrown off by these leaks.

DT cannot be responsible for variation in the actual power output of automobiles from DT's representative results—even where the power output is adversely affected by performance products or programming devices serviced or programmed by DT.

Programming of electronic devices is a highly sensitive science. DT cannot be responsible for my actions regarding fuel quality, maintenance, driving use or abuse, or other such factors. Therefore, DT is not responsible for direct or consequential damages to my automobile or engine from driving after the Diagnostic Testing and Programming Services.