flashcal FOR EV

CALIBRATION TOOL

Superchips

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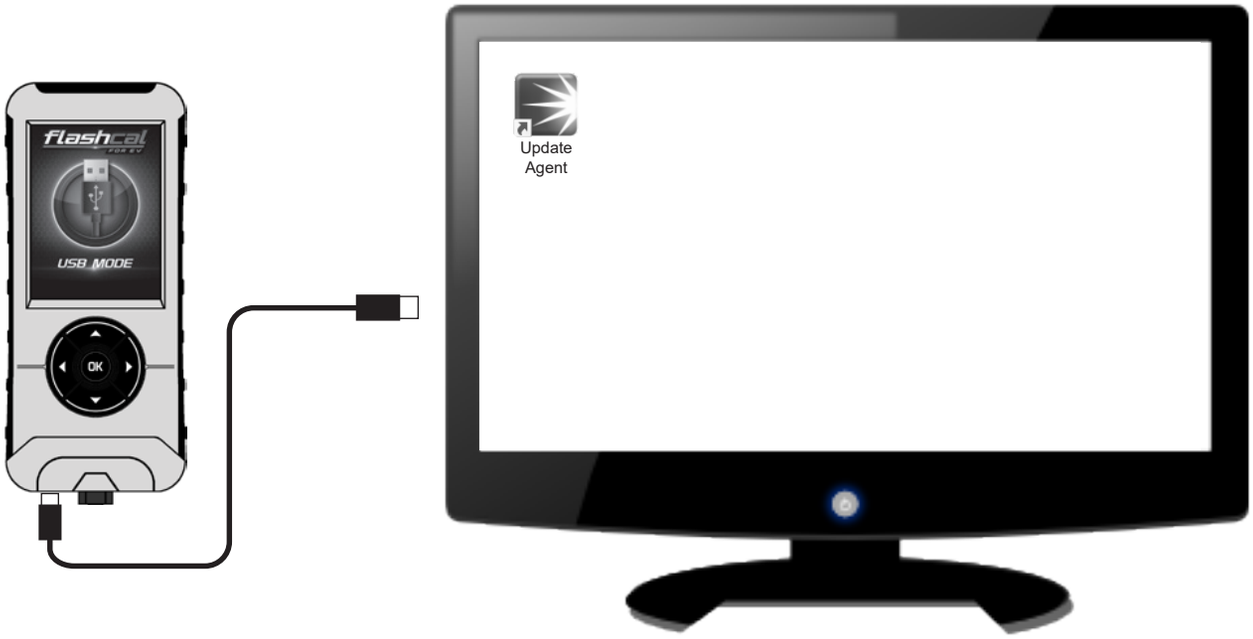
NOTICE
It is NOT recommended to store this device in your vehicle in extreme heat, direct sunlight or extreme cold (temperatures near or below freezing). These conditions can cause malfunction or damage the device.

TIP: Prior to using your device after a long period of non-use, use Update Agent 1.0 to update. This will ensure that your device is up-to-date and contains all of the latest files and functionality.



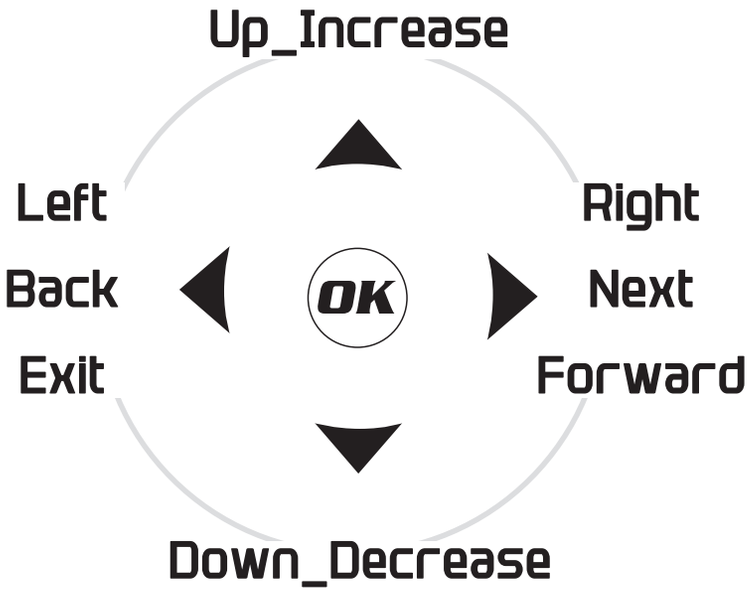
BEFORE YOU BEGIN

LIST OF COMPONENTS

DISPLAY DEVICE

USB CABLE

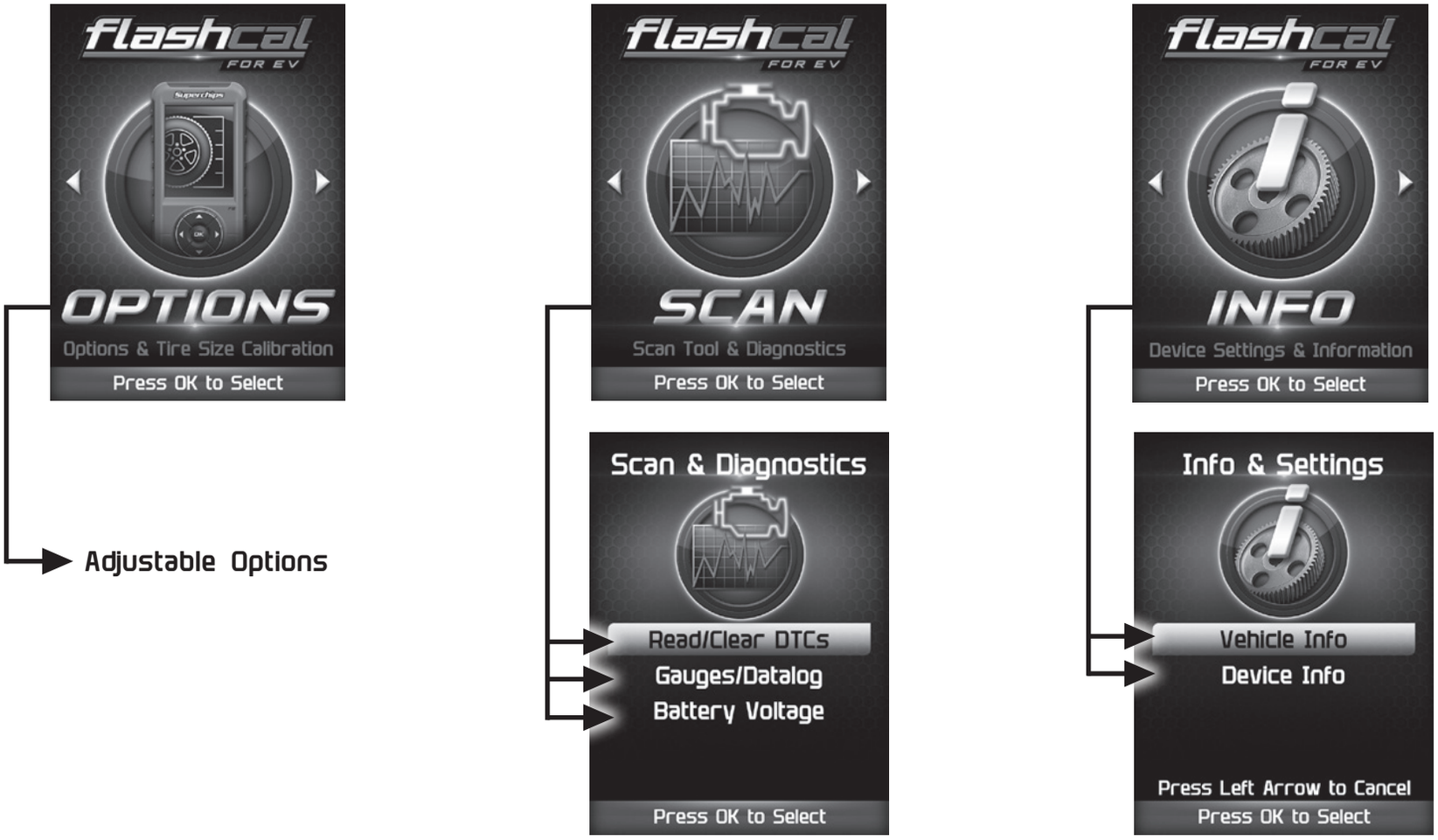
BUTTON FUNCTIONALITY



NAVIGATING TIPS:

- To move back to the previous menu, press the ◀ button.
- To move forward to the next menu, you can press either **OK** or ▶ button to enter the highlighted option.
- The ▲ & ▼ buttons are used to select menu options, as well as adjust values for certain features.

Some of the menu options or features displayed in this manual are vehicle specific, and may not be available for your make and model.



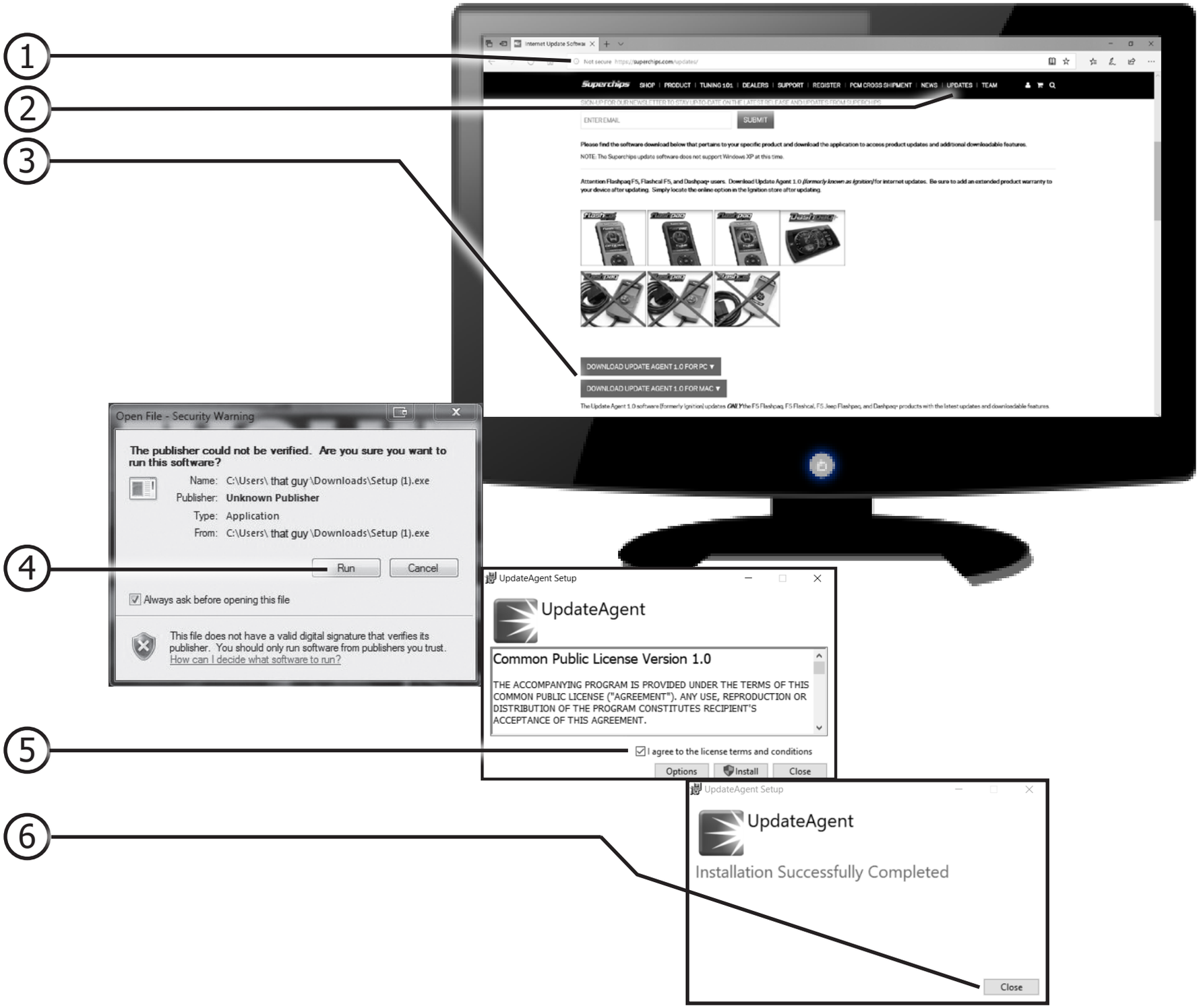
⚠ WARNING

Misapplication or misuse of this product could lead to a serious or fatal accident. Comply with all safety information in this manual, and your vehicle owners manual. Follow safety, installation and operating instructions in this User Manual to assure proper use.

DOWNLOAD UPDATE AGENT 1.0 TOOL

1. Go to: www.superchips.com
2. Click the **UPDATES** tab located at the top of the page.
3. Click the **Download** button to download **Update Agent 1.0**.
4. Click the **Run** button on the pop-up menu.
5. Read and click the box to accept the license agreement terms.
6. Click the **Install** Button, then the **Close** button once the download is complete.
7. Double-click the Update Agent 1.0 desktop icon.
8. Fill out the registration form.
9. Refer to the next section for performing product update.

TIP: Use a wired internet connection vs. wireless, air card, or satellite connections. This will minimize potential connection issues that may affect the update process.


1
2
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Internet Update Softwar
Not secure https://superchips.com/updates/
Superchips SHOP | PRODUCT | TUNING 101 | DEALERS | SUPPORT | REGISTER | PCM CROSS SHIPMENT | NEWS | UPDATES | TEAM
ENTER EMAIL
SUBMIT
Please find the software download below that pertains to your specific product and download the application to access product updates and additional downloadable features.
NOTE: The Superchips update software does not support Windows XP at this time.
DOWNLOAD UPDATE AGENT 1.0 FOR PC
DOWNLOAD UPDATE AGENT 1.0 FOR MAC
Open File - Security Warning
The publisher could not be verified. Are you sure you want to run this software?
Name: C:\Users\ that guy \Downloads\Setup (1).exe
Publisher: Unknown Publisher
Type: Application
From: C:\Users\ that guy \Downloads\Setup (1).exe
Run
Cancel
Always ask before opening this file
This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust.
How can I decide what software to run?
UpdateAgent Setup
UpdateAgent
Common Public License Version 1.0
THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.
I agree to the license terms and conditions
Options
Install
Close
UpdateAgent Setup
UpdateAgent
Installation Successfully Completed
Close

PRODUCT UPDATES USING UPDATE AGENT 1.0

① Double-click the **Update Agent 1.0 Icon** located on your computer's desktop.

② Connect your device to the computer using the supplied USB cable.

(Update Agent 1.0 will automatically search for updates related to your device.)

③ Click the **Update** button.

(The update process will start and finish automatically. Once the update is complete, you may be directed to the **Online Store**. To further update your device using the online store, refer to the following steps.)

④ Click on any or all of the available options.

(A check mark will appear in the upper right corner.)

⑤ Click the **Purchase** button.

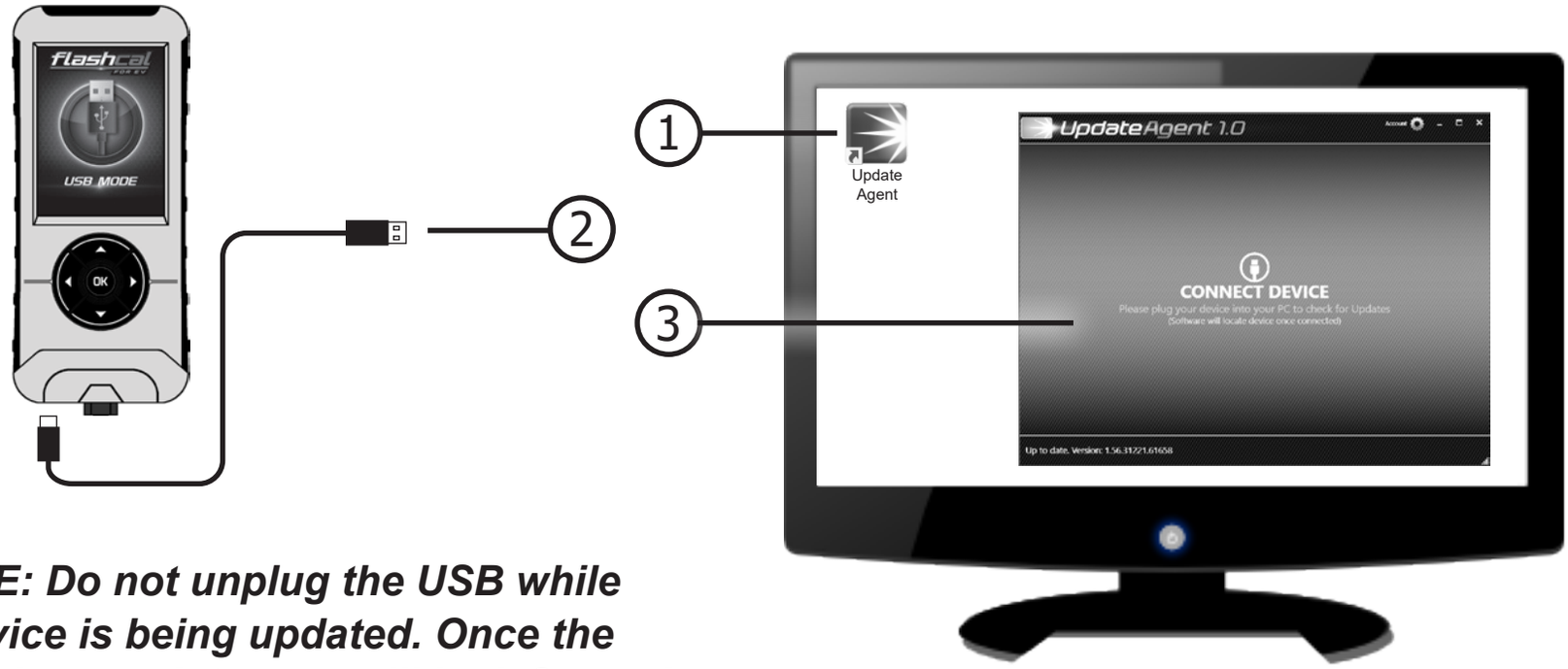
⑥ If required, read and **Accept** the disclaimer.

⑦ Fill in the required information and click **Go to Review**.

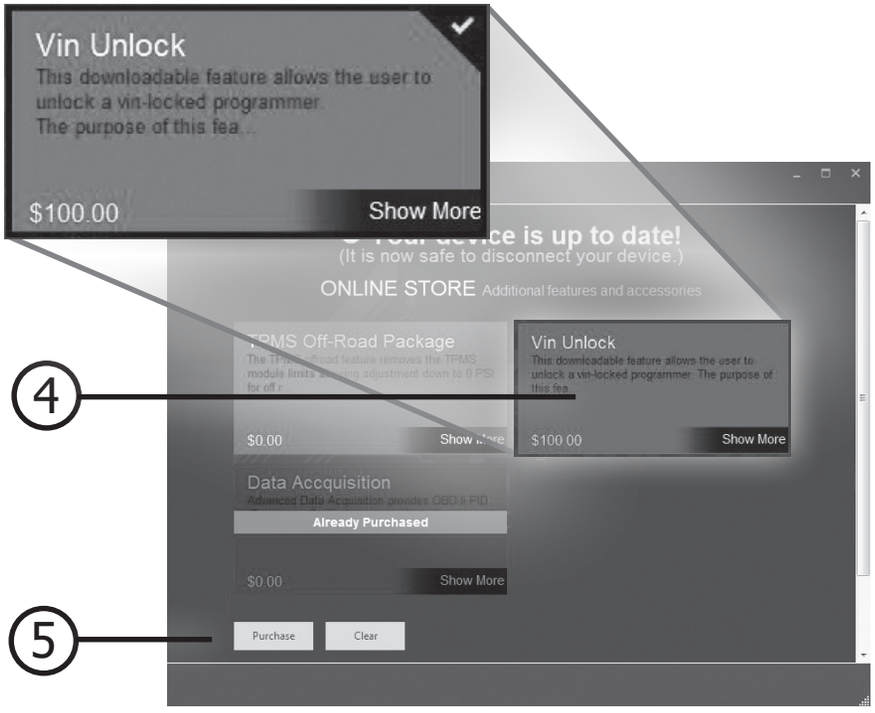
(Here you can check the information you filled in before submitting the order.)

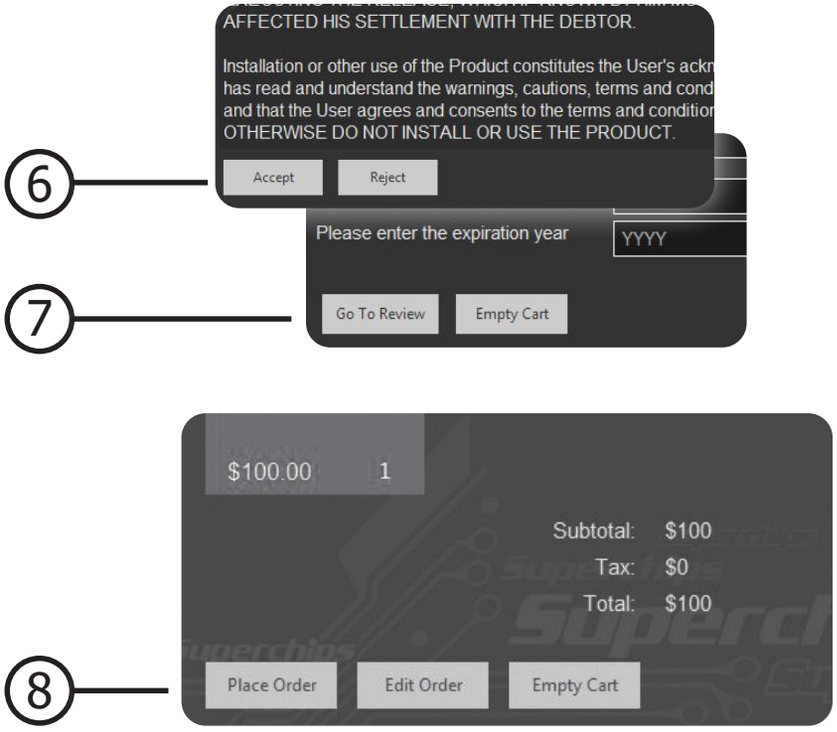
⑧ Click the **Place Order** button to complete your order.

⑨ If a purchase was made, follow steps 1-3 above to complete the update.



NOTICE: Do not unplug the USB while the device is being updated. Once the update is complete, you will be informed that it is safe to disconnect.





OPTIONS

These options allow to you quickly adjust the settings for the available features.

NOTE: Not all features are available on every make, model, and engine.

⚠ CAUTION

Do not remove or bump the OBD-II connector while changing Quick option settings. If you do, the vehicle may not start.

⚠ WARNING

Do not make adjustments to your vehicle while parked in unsafe locations including heavy traffic or places without cell phone service.

STEP 1 - Enter the Options Menu by pressing ok.

STEP 2 - Follow the on-screen instructions.

STEP 3 - Select an option from the list provided.

STEP 4 - Modify each setting according to your specific needs.

STEP 5 - Press OK to apply the changes.

STEP 6 - Press OK to Confirm.

Standard Feature List

Tire Size: This feature allows you modify the programmed Tire Height.

Adjust Front TPMS: Adjust front tire pressure at which the TPMS warning light will illuminate for a low tire-pressure condition.

Adjust Rear TPMS: Adjust rear tire pressure at which the TPMS warning light will illuminate for a low tire-pressure condition.

Disable/Enable TPMS: Disable or Enable the TPMS warning light.

NOTE: Some makes and models have additional features.

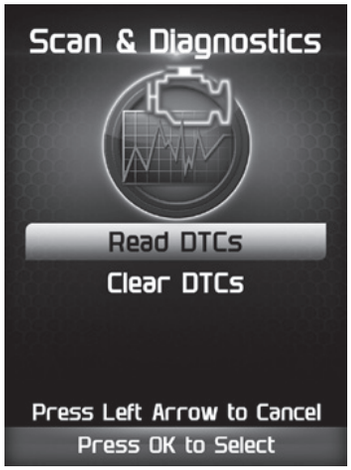
READ DTC

This feature allows you to troubleshoot issues that your vehicle may be experiencing. Most vehicles will illuminate the in-dash check engine light. A Diagnostic Trouble Code (DTC) arises when a vehicle's computer detects a sensor failure or a parameter outside of specific range.

STEP 1 - Enter the Scan Menu.

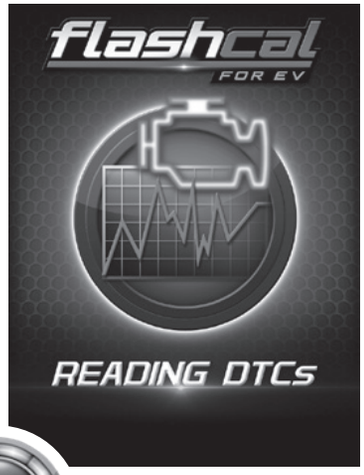
STEP 2 - Select Read/Clear DTCs.

STEP 3 - Select Read DTCs.

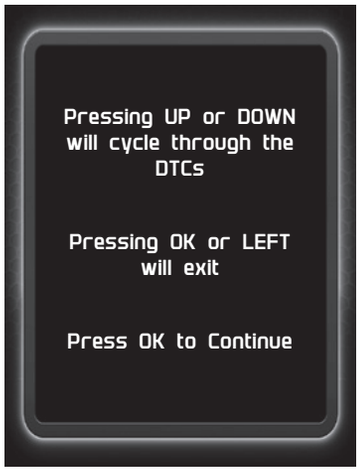


STEP 4 - If asked, turn power on, but do not start.

STEP 5 - Allow the device to search for DTCs.



STEP 6 - Read and follow the on-screen instructions.



STEP 7 - Push the ▲/▼ arrows to view each DTC.

STEP 8 - Press **OK** to return to the DTC menu.

CLEAR DTC

This feature allows you to clear the DTC and turns off the check engine light.

NOTE: If a DTC persists, this could indicate a vehicle malfunction. We recommend seeking a qualified professional in resolving the issue. Program the vehicle back to stock prior to service.

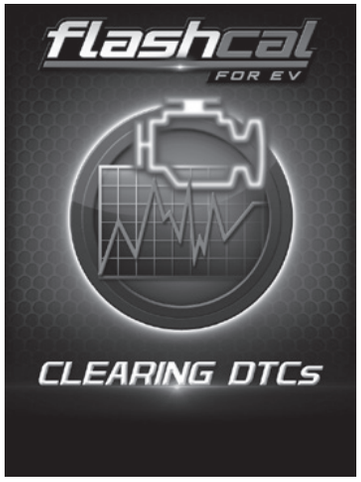
STEP 1 - Enter the Scan Menu.

STEP 2 - Select Read/Clear DTCs.

STEP 3 - Select Clear DTCs.

STEP 4 - If asked, turn power on, but do not start.

STEP 5 - Allow the device to search for DTCs to clear.



STEP 6 - Read and follow the on-screen instructions.

STEP 8 - Press **OK** to return to the DTC menu.

VIEWING GAUGES

If you would like to view Parameter IDs (PIDs) specific to your vehicle, following these instructions to learn how to view them using your Flashcal device.

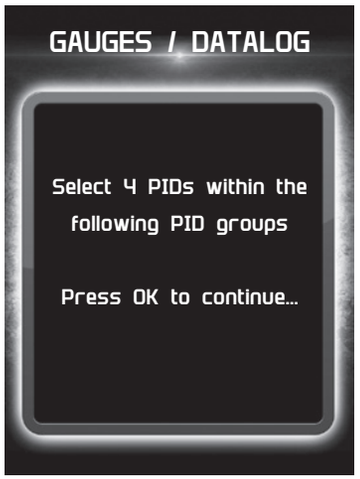
⚠ WARNING ***Do not exceed legal speed limits on public roadways.***

STEP 1 - Enter the Scan Menu.

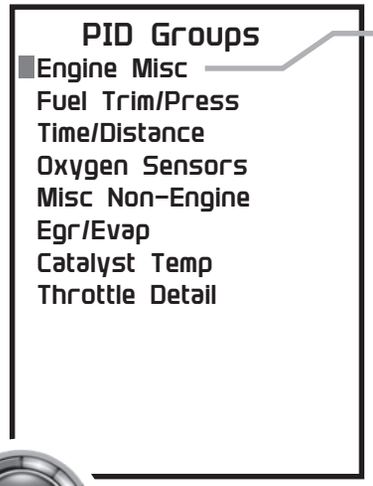
STEP 2 - Select Gauges/Datalog.

STEP 3 - If asked, turn power on, but do not start.

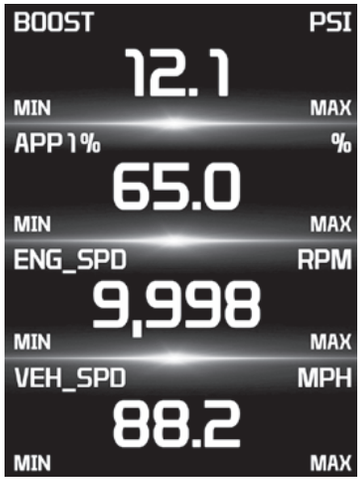
STEP 4 - Follow the on-screen instructions.



STEP 5 - Select a PID Group, then select a total of 4 PIDs. Use the ◀ / ▶ arrows to switch between screens. OK to select.



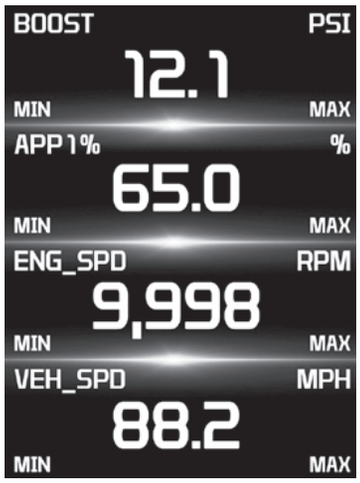
STEP 6 - Follow the on-screen instructions. Note the RED highlights. See DataLogging for more information.



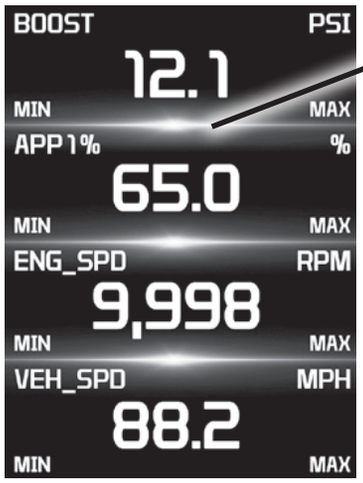
Data logging allows you to record specific vehicle information while driving. Follow these instructions to find out how to datalog, and how it may be helpful to your particular needs.

WARNING ***Do not exceed legal speed limits on public roadways.***

STEP 1 - Refer to the previous section and follow the steps.



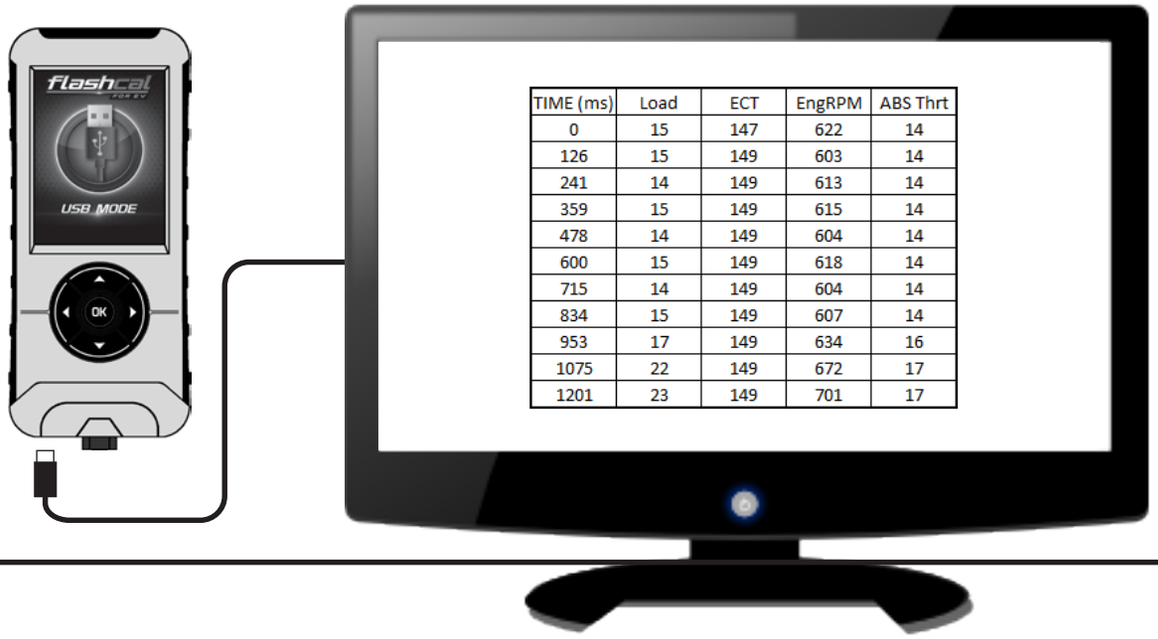
STEP 2 - Press the OK button to begin recording the PID data. Press the OK button again, to stop the recording.



The separator lines will change from Red to **Green**, which indicates that the device is actively **recording** (datalogging).

STEP 3 - Press the left arrow to return to the menu.

The information will be stored on the device and may be retrieved using a computer. For more information continue to the next section.



TIME (ms)	Load	ECT	EngRPM	ABS Thrt
0	15	147	622	14
126	15	149	603	14
241	14	149	613	14
359	15	149	615	14
478	14	149	604	14
600	15	149	618	14
715	14	149	604	14
834	15	149	607	14
953	17	149	634	16
1075	22	149	672	17
1201	23	149	701	17

DATA LOGGING RETRIEVAL

To learn more about how Data Logging results can be extracted from the device, please follow these instructions:

STEP 1 - Remove the device from the vehicle OBDII port.

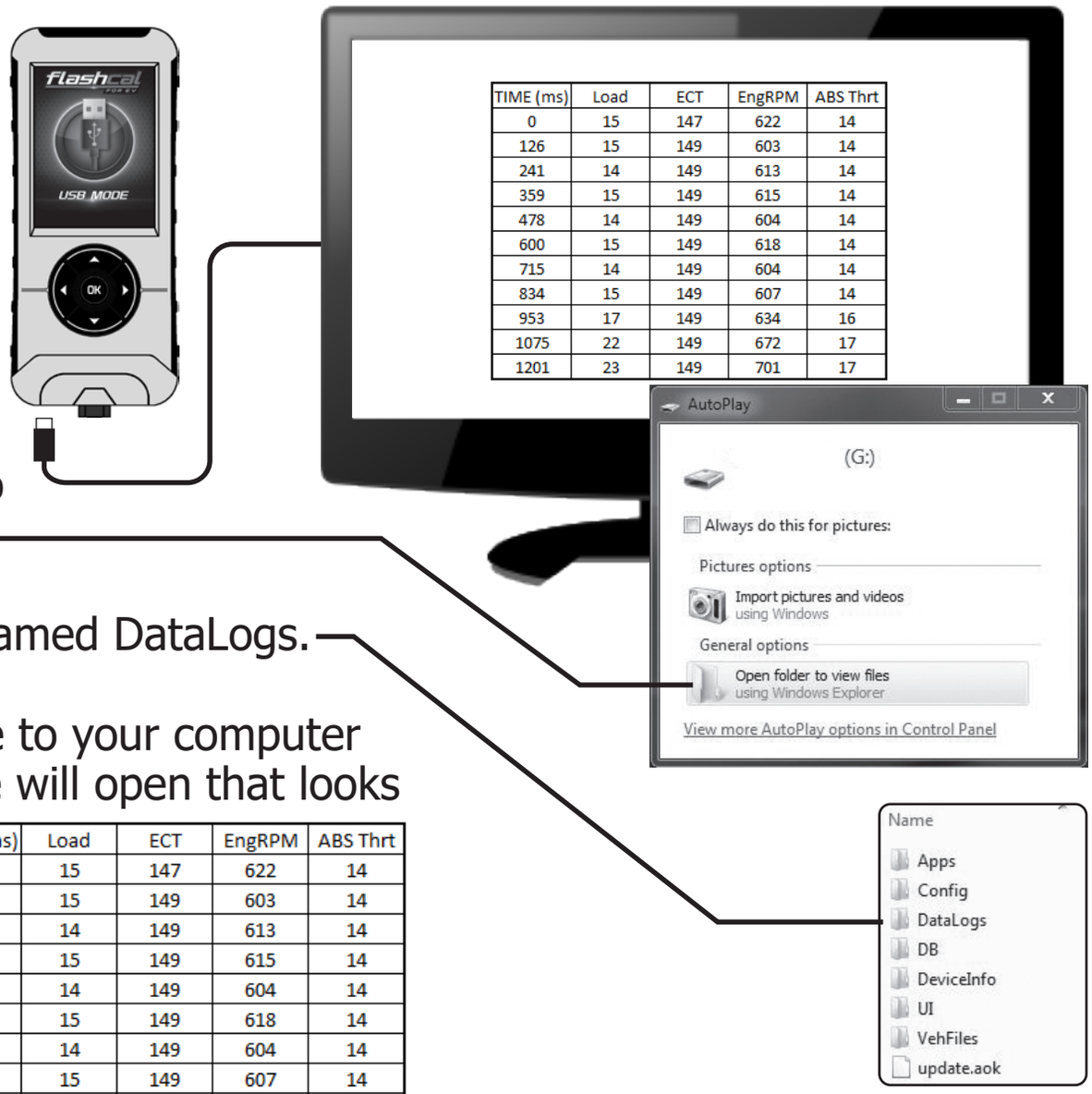
STEP 2 - Using the USB cable provided, connect the device to your computer.

STEP 3 - The device will enter USB Mode, and allow your computer to open it's files.

STEP 4 - Open the folder to view files.

STEP 5 - Open the folder named DataLogs.

STEP 6 - Copy the Excel file to your computer desktop, then open it. A file will open that looks similar to the following:



TIME (ms)	Load	ECT	EngRPM	ABS Thrt
0	15	147	622	14
126	15	149	603	14
241	14	149	613	14
359	15	149	615	14
478	14	149	604	14
600	15	149	618	14
715	14	149	604	14
834	15	149	607	14
953	17	149	634	16
1075	22	149	672	17
1201	23	149	701	17

STEP 1 - Plug the device into the OBDII port.

STEP 2 - Enter the Scan Menu.

STEP 3 - Select the Battery Voltage option.

STEP 4 - Press OK to return to the previous screen.

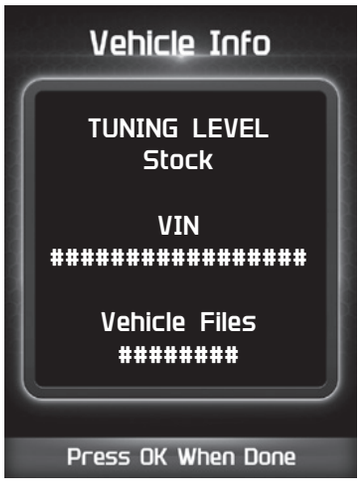
VEHICLE INFO

STEP 1 - Plug the device into the OBDII port.

STEP 2 - Enter the Info Menu.

STEP 3 - Select the Vehicle Info option.

STEP 4 - Press OK to return to the previous screen.



STEP 1 - Plug the device into the OBDII port.

STEP 2 - Enter the Info Menu.

STEP 3 - Select the Device Info option.

STEP 4 - Press OK to return to the previous screen.

SAFETY WARNING & CAUTION

Throughout this User Manual you will see important messages regarding your safety or the protection of your vehicle. These messages are designated by the words WARNING, CAUTION, or NOTICE.

⚠ WARNING

A WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ CAUTION

A CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

A NOTICE indicates a condition that could cause damage to the product or your vehicle.

The Superchips product you have purchased is a high-performance product. As such, it does present some risks of which you should be fully aware. Do not use this product until you have carefully read the following safety information and the Owner Agreement.

NOTE: After the display has been installed, a warning screen will appear (3) different times.

⚠ WARNING: Misuse of this device could lead to a serious accident. Do not use to break legal speed limits. Before installing, read and comply with all information in the User Guide. Do you agree?

If you agree with the agreement, select Yes to continue.

WARNING

Before using device, read and understand the user manual, including these additional safety instructions. Failure to do so could result in DEATH or SERIOUS INJURY.

- Do not exceed legal speed limits on public roadways. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.

- Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Violating traffic laws is dangerous and could result in injury or vehicle damage or both.

- Do not operate the device while driving. Distracted driving could result in traffic accidents, death or serious injury, and/or damage to your vehicle. Always perform all adjustments or changes while stopped. Changing a setting while driving can interfere with your attention to roadway conditions and could result in injury or vehicle damage or both.

- Do not stack products. “Stacking” performance-enhancing devices or other improper installation can cause power train failure on the road. Other products may have features incompatible with your Superchips device. Follow all installation and operating instructions.

- Some modifications may affect other parts of your vehicle. For example, if you remove/adjust the speed limiter in your vehicle, be sure your tires and other components are rated for the increased speeds they will have to withstand. Not doing so can lead to loss of vehicle control. Modify the speed limiter only for use in closed circuit, legally sanctioned racing environments, not for use on public roadways.

LIMITED 1 YEAR WARRANTY

Powerteq, LLC, (hereafter “SELLER”), subject to the conditions and limitations set forth herein, warrants to the original consumer purchaser only that each Flashcal product sold by SELLER (the “Product”) through an authorized dealer will be free from defects in material and workmanship under normal operating conditions for one (1) year after the date of purchase. SELLER will repair or replace, at SELLER’s option, any Product that is found to be defective in material or workmanship under normal operating conditions during the one-year period after the date of purchase by the original consumer purchaser.

What Is Not Covered by This Warranty?

This warranty does not apply to any of the following:

1. Loss, damage, repairs, or maintenance required as a result of accident, abuse, negligence, or misuse.

2. Loss, damage, repairs, or maintenance required as a result of any third-party tuning software.

3. Loss, damage, repairs, or maintenance required as a result of fire, water, hail, theft, earthquake, wind, ice, lightening, acts of god, accident, animals, corrosive atmosphere, or other external causes beyond the control of SELLER.

4. Any special, indirect, incidental, consequential, or punitive damages, including property damage, arising out of or related to the use or loss of use of the Product under this Limited Warranty.

5. Any Products purchased through auction websites.

Limitation of Liability

The terms of this Limited Warranty constitute the entire agreement between the parties with respect to the Product. The original consumer purchaser's exclusive remedy shall be limited to the repair or replacement of the defective product.

EXCLUDING THE LIMITED WARRANTY PROVIDED ABOVE, SELLER, TO THE MAXIMUM EXTENT PERMITTED BY LAW, MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND DISCLAIMS ALL WARRANTIES, DUEITES AND CONDITIONS, WHETHER EXPRESS, IMPLIED, OR STATUTORY, WITH RESPECT TO THE WORK, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY REMEDY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT.

How to Make a Warranty Claim

Contact Powerteq Customer Service. BUYER will be required to submit proof of purchase from an authorized dealer within 5 days of the warranty claim.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS. IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT, THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

www.Superchips.com

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For additional questions not found in the user guide, call:

Holley Technical Support: (888)-360-3343

Mon - Fri 8:00 am - 5:00 pm MST, Sat 8:00 am - 2:00 pm MST

To expedite your support call, please have your Vehicle Information, Part Number, and Serial Number ready prior to calling Technical Support.

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