

POWERTEQ

ATTENTION DIESEL TRUCK OWNERS

This Powerteq product is currently not compliant with California Air Resources Board (CARB) emissions standards, which makes the product not legal for use on CA roads and highways. The tuning files provided in this product may cause the vehicle to operate outside of CARB emissions standards established for your particular make and model of vehicle. This product should not be used other than for sanctioned, legal racing or competition purposes in the state of CA. Testing is currently being performed on this product in order to receive exemption from CARB so that this product can be legally used on road in the state of CA. As this testing is completed, customers from the state of CA will be notified in order to receive proper updates to ensure compliance for on-road use in CA. Please be sure to register your product online so that you can receive important updates regarding your product.

Powerteq currently offers products for diesel trucks that are certified for on-road use in the state of CA. If you are interested in learning more about these products, or to learn about the CARB testing status of this product for your vehicle, please call us or visit our websites to learn more.

Edge Products

1-888-360-3343

www.edgeproducts.com

Superchips

1-888-227-2447

www.superchips.com

flashpaq

P E R F O R M A N C E T U N E R



Superchips

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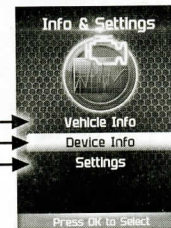
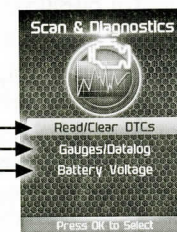
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BASIC MENU LAYOUT

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



Quick Tunes
Advanced Tunes
See tuning sections

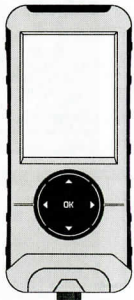


WARNING: Misapplication or misuse of this product could lead to a serious or fatal accident. Comply with all safety information in this manual, and your vehicle owner's manual. Follow safety, installation and operating instructions in this User Manual to assure proper use.

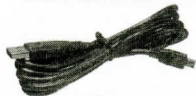
BEFORE YOU BEGIN

LIST OF COMPONENTS

DISPLAY DEVICE



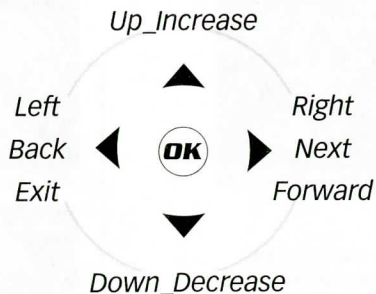
USB CABLE



PROTECTIVE BAG



BUTTON FUNCTIONALITY



NAVIGATING TIPS:

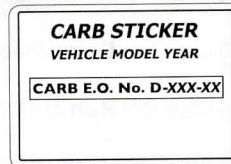
- To move back to the previous menu, press the ◀ button.
- To move forward to the next menu, you can press either **OK** or ▶ button to enter the highlighted option.
- The ▲ & ▼ buttons are used to select menu options, as well as adjust values for certain features.

CARB/EPA COMPLIANCE

NOTE: The stickers included in some products apply to products that have received CARB exemption for emissions compliance.

This product may meet the emissions compliance requirements of the California Air Resources Board and Federal Environmental Protection Agency. If so, it is legal for sale and use on pollution-controlled vehicles operated on public streets and highways.

The device must be installed and operated according to the instructions provided in this user's manual. Included with these compliant products is a sticker (similar to the one pictured above) for you to keep in your vehicle. You can either adhere it somewhere on the vehicle (e.g., the inside end of driver's door) or simply store it in your glove box. The purpose of these stickers is to inform anyone who may have questions regarding the use of your Superchips product and how it affects emissions. For example, it would be something to show an emissions technician if questioned when taking your vehicle in for an emissions check to let him/her know the product is CARB emissions compliant.

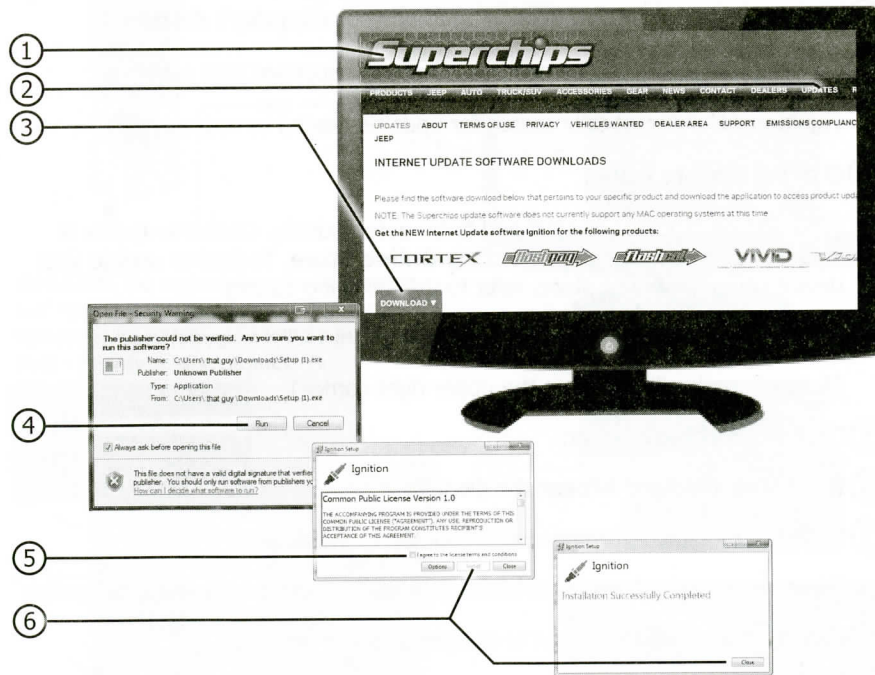


For more information regarding CARB and EPA compliant products, please check out our website: www.superchips.com

DOWNLOAD IGNITION UPDATER 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 **Ignition**.
- 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 Ignition 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.



PRODUCT UPDATES USING IGNITION

① Double-click the **Ignition Icon** located on your computer's desktop.

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

(Ignition 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.

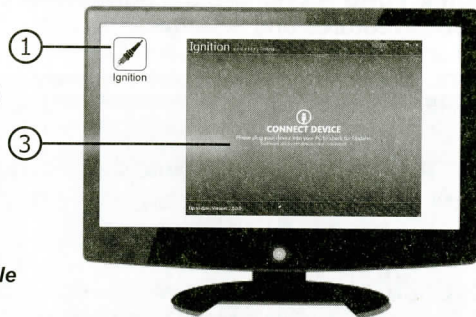
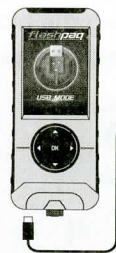
⑥ If required, read and **Accept** the disclaimer.

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

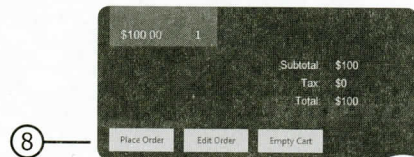
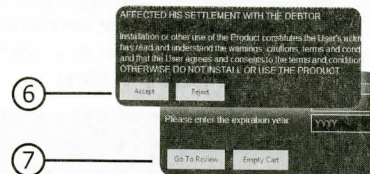
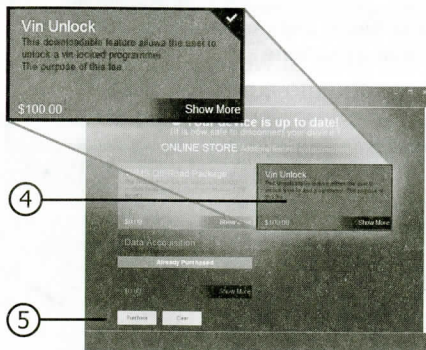
(Here you can check the information you filled in before submitting the order.)

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.



CAUTION: 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.



QUICK TUNE

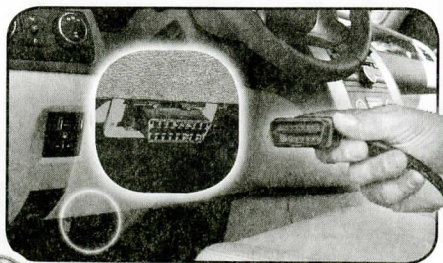
Quick Tune = Changes the power level of your vehicle using the most popular features and settings.

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

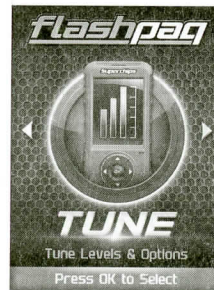
STEP 1 - Plug the device into the OBDII port.
(The device will automatically power-on once it has been connected.)

CAUTION: Do not remove or bump the OBD-II connector during any programming sequence. If you do, the vehicle may not start.

CAUTION: Do not program your vehicle while parked in unsafe locations including heavy traffic or places without cell phone service and the internet (if possible).



STEP 2 - Enter the Tuning Menu by pressing OK.



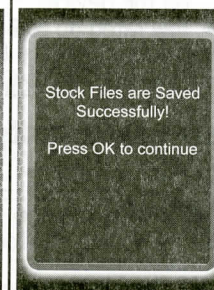
STEP 3 - Turn the ignition on, but do not start the engine.



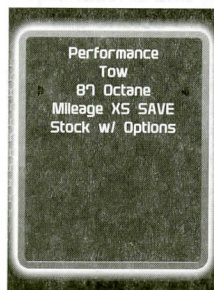
STEP 4 - Follow the on-screen instructions.



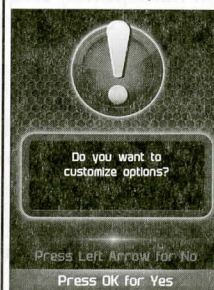
STEP 5 - Allow the device to save your stock files.



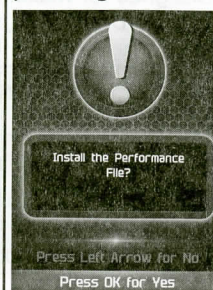
STEP 6 - Select a tuning level.



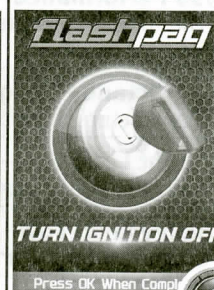
STEP 7 - Push left arrow to close out of custom options.



STEP 8 - Install the "Tune" File by pressing OK.



STEP 8 - Turn the Ignition Off. Press OK to continue.



TUNING LEVELS EXPLAINED

KEY:

- ⊖ = Towing is not recommended for this tune .
- ♣ = Octane Requirements vary for gas vehicles. Follow recommended guidelines on the device.
- ↓ = Tow rated up to Superchips recommended tow limits. See limits for your vehicle displayed by the Flashpaq during the programming process.
- ‡ = Tow rated up to OEM max towing recommendation.

Availability of specific tunes may vary based on your vehicle's make and model:

- ⊖♣ **Performance** - Designed for maximum engine and transmission performance.
- ⊖ **87 Performance** - Designed for non-towing applications and requires the use of 87 octane gas for best results.
- ⊖ **91 Performance** - Designed for premium horsepower, torque, and driveability. The tune is calibrated for 2WD, 4WD-HI, and 4WD-LO. Requires 91 octane gas for best results.
- ⊖ **93 Performance** - Designed for maximum horsepower, torque, and driveability. The tune is calibrated for 2WD, 4WD-HI, and 4WD-LO. Requires 93 octane gas for best results.
- ⊖ **87 Octane** - Designed to allow you to run 87 octane regardless of the manufacturer's recommendation.
- ♣↓ **Light Load Tow** - Optimizes engine and transmission performance for mid-weight range towing applications
- ‡ **Heavy Load Tow** - Requires the use of 91 octane gas or better and is used for optimized engine and transmission performance for heavy towing applications.

Towing - Requires the use of 91 octane gas or better and is used for optimized towing up to the OEM recommended towing limits. This tune is safe to use in 4WD-HI or 4WD-LO and is available for all Jeeps covered by Superchips.

NOTE: *If a towing tune is not available, use 87 Tune with 91 Octane fuel.*

Crawling Tune - Is a Superchips exclusive tune offering low throttle response and high low-end torque designed for precision low-speed maneuvers. This tune is currently only available for JK Jeep models.

⊖ **Extreme** - This is an aggressive tune used for maximum horsepower, torque, and driveability.

Mileage XS - Requires 87 octane gas and is used for fuel mileage gains. The tune is calibrated for 2WD, 4WD-HI, and 4WD-LO uses.

Stock - Returns vehicle to factory stock. Removed all Superchips tuning from your vehicle. It is recommended that you calibrate your vehicle back to stock prior to taking it in for service or maintenance.

TIP FOR JEEP OWNERS:

Your Flashpaq will work with the following:

- Short or normal tube headers
- Snorkels
- Aftermarket cat back exhaust and cold air intake kits

For optimum Jeep performance, Superchips does NOT recommend the following:

- Long tune headers
- Over-bored or stroked engines

ADVANCED TUNING OPTIONS

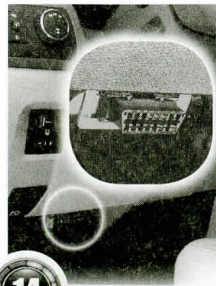
Change the power level of your vehicle using custom options and settings.

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

CAUTION: Do not remove or bump the OBD-II connector during any programming sequence. If you do, the vehicle may not start.

CAUTION: Do not program your vehicle while parked in unsafe locations including heavy traffic or places without cell phone service.

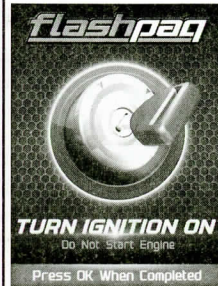
STEP 1 - Plug the device into the OBDII port.



STEP 2 - Enter the Tuning Menu by pressing OK.



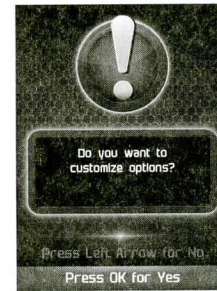
STEP 3 - Follow the on-screen instructions.



STEP 4 - Select a tuning level.



STEP 5 - Press OK to customize options.



STEP 6 - Select and adjust the custom option according to your specific requirements.



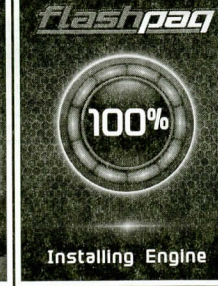
STEP 7 - Select Continue when done modifying.



STEP 8 - Press OK to install the file.



STEP 9 - Allow the file to be installed.



STEP 10 - Turn the ignition Off.



STEP 11 - Press OK to return to the main menu.



ADVANCED TUNING OPTIONS EXPLAINED

Availability of specific options may vary based on your vehicle's make and model:

Speed Limiter - Adjusts the top speed limiter by increments or fixed values.

- ⚠ The vehicle must have appropriate speed rated tires.
- ⚠ Do not exceed proper operating conditions.
- ⚠ Obey all traffic laws.
- ⚠ For use only on a controlled track. Never exceed legal limits on public roadways.

Rev Limiter - Adjusts engine rev limiter by increments or fixed values.

- ⚠ Do not exceed proper operating conditions.

Tire Size - This feature has been moved to the "Vehicle Functions" menu, under Additional Features.

TIP FOR MEASURING TIRE SIZE:

Measure from the ground to the top of your tire. Place a ruler or flat level item on the top of your tire to measure accurately. Measure in 1/4 inch increments rounding up.



⚠ WARNING

Increasing the height of your vehicle raises the center of gravity and can affect stability and control. Use caution on turns and when making steering corrections.

Axle (Gear) Ratio - Corrects the speedometer, odometer and automatic transmission shift points for rear end gear changes.

- ⚠ Confirm aftermarket parts are installed before adjusting this option.

Automatic Transmission Shift Points - Adjusts transmission shift points for optimized driveability and operation.

Automatic Transmission Shift Pressure - Adjust transmission shift pressure in PSI to allow for a more aggressive shifts.

Cooling Fan - Adjusts fan turn ON temperature.

Manual Transmission Skip Shift - Enables or disables Computer Aided Gear Selection (CAGS) for manual transmissions.

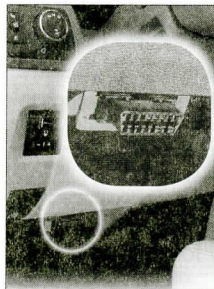
Spark Advance Set - Reduces the spark timing.

MDS Disable - Enables or disables the factory Multi- Displacement System.

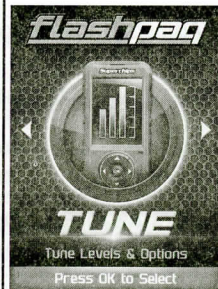
NOTE: On 13-14 Hemi Trucks, the dash light will continue to illuminate making you believe that it is not disabled.

RETURNING YOUR VEHICLE TO STOCK

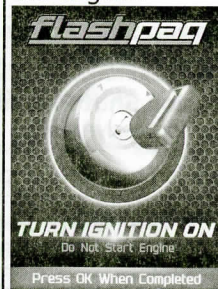
STEP 1 - Plug the device into the OBDII port.



STEP 2 - Enter the Tuning Menu by pressing OK.



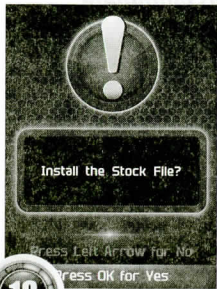
STEP 3 - Turn the ignition on, but do not start the engine.



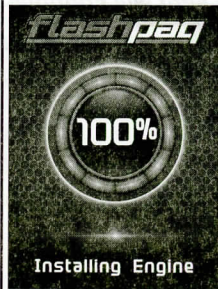
STEP 4 - Select the Stock option from the list.



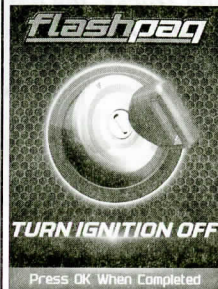
STEP 5 - Install the Stock File by pressing OK.



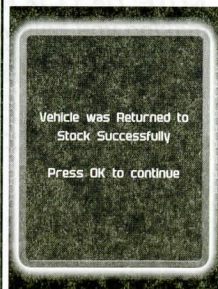
STEP 6 - Allow the stock settings to be re-installed.



STEP 7 - Turn the Ignition Off. Press OK to continue.



STEP 8 - Press OK to return to the main menu.



COMMON TUNING QUESTIONS

Questions and Answers

Q: Can my Flashpaq program more than one vehicle at a time?

A: No, only after you return your first vehicle back to factory stock.

Q: Does Superchips support custom tuning?

A: Not at this time. Please check us out online for updates.

Q: What aftermarket accessories will my Flashpaq work with?

A: Flashpaq programmers are engineered to work with the following parts right out of the box: throttle body spacers, shorty headers, cat-back exhaust system, and cold air intake kits. Compatibility may vary by make and model.

Q: How do I change my vehicle's calibration?

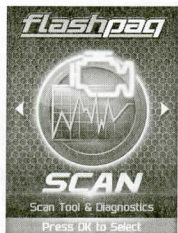
A: Refer to the TUNING sections of this guide for detailed instructions.

CAUTION: Before taking your vehicle into a service center, return your vehicle to stock. The service center might reprogram your vehicle with an updated program without your knowledge. If you do not use this device to return your vehicle to factory stock and your vehicle is reprogrammed by the service center, the programmer will no longer be able to program your vehicle.

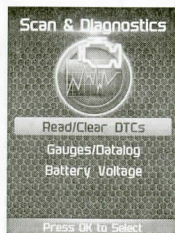
READ DTC

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.

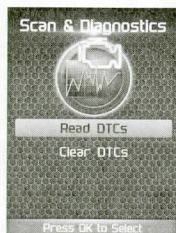
STEP 1 - Enter the Scan Menu.



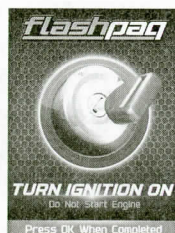
STEP 2 - Select Read/Clear DTCs.



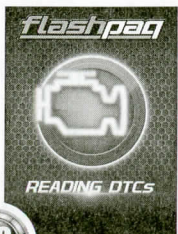
STEP 3 - Select Read DTCs.



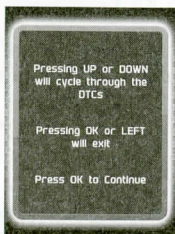
STEP 4 - If asked, turn ignition on, but do not start.



STEP 5 - Allow the device to search for DTCs.



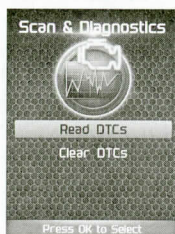
STEP 6 - Read and follow the on-screen instructions.



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



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



CLEAR DTC

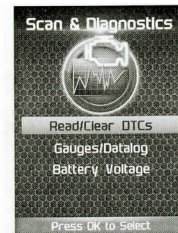
This feature allows you to clear the DTC and turns off the check engine light.

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.

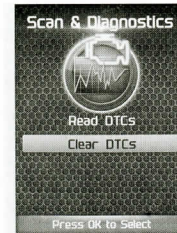
STEP 1 - Enter the Scan Menu.



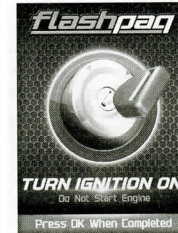
STEP 2 - Select Read/Clear DTCs.



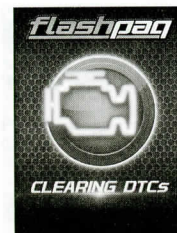
STEP 3 - Select Clear DTCs.



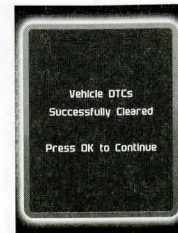
STEP 4 - If asked, turn ignition on, but do not start.



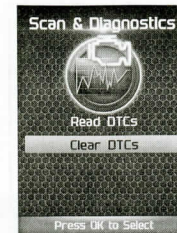
STEP 5 - Allow the device to search for DTCs to clear.



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



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

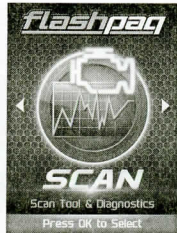


VIEWING GAUGES

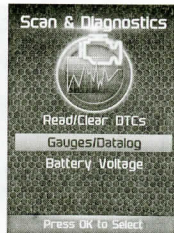
If you would like to view Parameter IDs (PIDs) specific to your vehicle, following these instructions to learn how to view them using your Flashpaq device.

CAUTION: Do not exceed legal speed limits on public roadways.

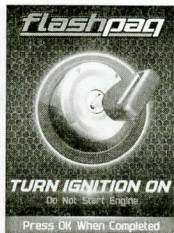
STEP 1 - Enter the Scan Menu.



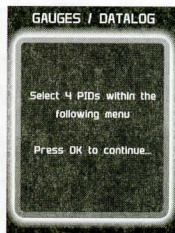
STEP 2 - Select Gauges/Datalog.



STEP 3 - If asked, turn ignition 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.

PID Groups 1/1
 Engine Misc
 Fuel Trim/Press
 Time/Distance
 Oxygen Sensors
 Misc Non-Engine
 Egr/Evap
 Catalyst Temp
 Throttle Detail

Engine Misc 1/1
 Calc Eng Load
 Engine Coolant Temp
 Manifold Abs Pressure
 Engine RPM
 Spark Advance
 Intake Air Temperature
 Mass Air Flow
 Abs Throttle Positon

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



DATA LOGGING

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.

CAUTION: Do not exceed legal speed limits on public roadways.

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

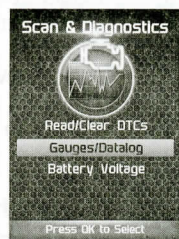


STEP 2 - Press the OK button to begin recording the PID data. Press the OK button again, to stop the recording.



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 Thr
0	15	147	822	14
126	15	149	808	14
241	14	149	813	14
359	15	149	815	14
478	14	149	804	14
600	15	149	818	14
715	14	149	804	14
834	15	149	807	14
953	17	149	834	16
1075	22	149	872	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.

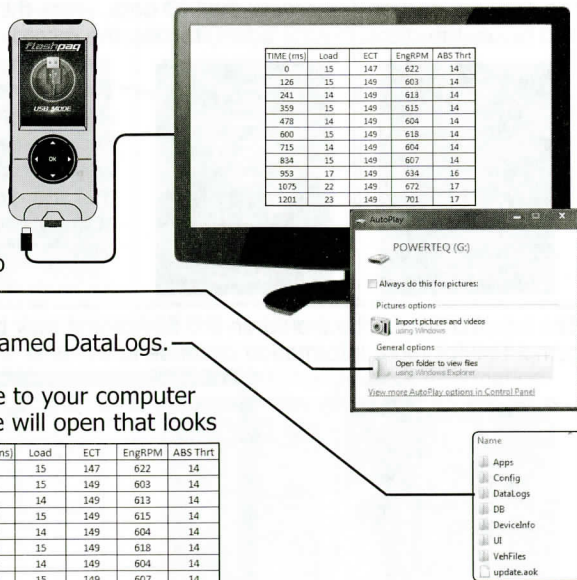
STEP 3 - The device will enter USB Mode, and allow your computer to open it's files.

STEP 4 - Open the folder to view files.

STEP 5 - Open the folder named DataLogs.

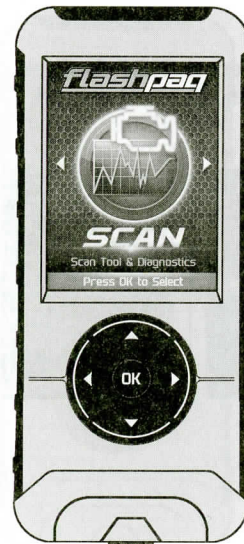
STEP 6 - Copy the Excel file to your computer desktop, then open it. A file will open that looks similar to the following:

TIME (ms)	Load	ECT	EngRPM	ABS Thrst
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

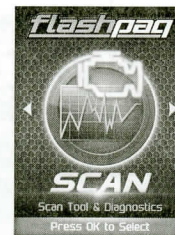


BATTERY VOLTAGE

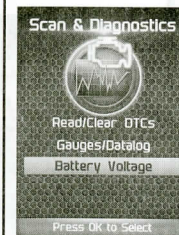
STEP 1 - Plug the device into the OBDII port.



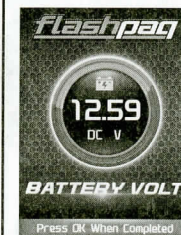
STEP 2 - Enter the Scan Menu.



STEP 3 - Select the Battery Voltage option.



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



VEHICLE INFO

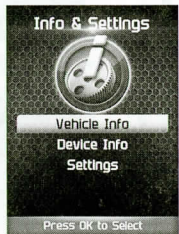
STEP 1 - Plug the device into the OBDII port.



STEP 2 - Enter the Info Menu.



STEP 3 - Select the ID Vehicle option.



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



DEVICE INFO

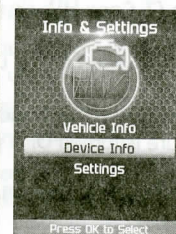
STEP 1 - Plug the device into the OBDII port.



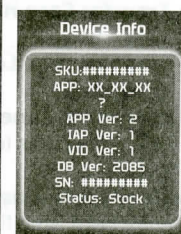
STEP 2 - Enter the Info Menu.



STEP 3 - Select the Device Info option.



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



VEHICLE FUNCTIONS EXPLAINED

Based on the make, model, and year of your vehicle, you may have the option to modify various features using the Flashpaq device. This section provides a brief explanation on what these functions are, and how they are used.

- **Tire Size** - may be used to improve the accuracy of the vehicle's speedometer by compensating for non-stock tire sizes.
- **Axle Ratio** - is used to improve your shift points by modifying the axle gear ratio.
- **Transfer Case High (T.Case Hi)** - is used if you've modified your front transfer case Hi gear ratios
- **Transfer Case Low (T.Case Lo)** - is used if you've modified your front transfer case Lo gear ratios
- **One Touch Lane Change (One Touch)** - allows you to toggle this vehicle feature ON or OFF. When this feature is turned OFF, your blinker will only blink once after pressing the switch.
- **Head Lamp Flash on Lock (Lamp Flash)** - may be used to toggle ON/OFF the keyless entry head lamp flash.
- **Horn chirp on Lock (Horn Chirp)** - may be used to toggle ON/OFF the keyless entry horn chirp.
- **Head Lamp Delay (Lamp Delay)** - gives you the ability to adjust the time it takes for the head lamps to turn off after the engine has been turned off.
- **Tire Pressure Monitoring System (Tire Pressure)** - allows you to turn on or off this vehicle feature. Off-road options are available for download.
- **Daytime Running Lights (Run Lights)** - allows you to adjust the daytime running light settings for some vehicles (if the vehicle is equipped with this feature). The running lights are activated while the engine is running, and the transmission is in "drive".

There are six available running light settings:

- High Beams
- Turn Signals
- Low Beams
- European
- Fog Lights
- Turn Lights OFF

- **Engine Idle** - allows you to increase the engine idle up to 1600 RPM. This is especially useful during extreme situations. (e.g. Winching, etc.) **NOTE: The device must remain connected in order for this feature to continue working.**
- **Return to Stock** - allows you to quickly change your vehicle back to stock with the original settings. The vehicle cannot be running in order to use this feature.
- **Axle Lock Enable** - allows you to lock the front OR rear axle. This feature can be used while the transfer case is in 4-Hi or 4-Lo.
- **Electronic Stability Program (ESP) optimization** - adjusts the ESP system for vehicles equipped with this feature. When a non-stock tire size is entered, the device re-configures and optimizes the ESP.
- **Speedometer Corrections** - adjusts the speedometer value according to the inputs specified:

Tire Size Changes (For non-stock tire sizes (22.5"-44.25")) - Once the tire height is entered, the speedometer will be updated.

Gear/Axle Swaps (for ratios up to 5.38) - Re-configures the speedometer once a modified gear or axle ratio is entered.

- **Radio Delay** - allows you to adjust the time it takes for your radio to turn off, once the engine has been turned off.

My Flashpaq does not power up when plugged into the OBDII port?

- ✓Your vehicle's OBDII port is powered through a fuse the fuse may be blown. (In most vehicles, this is the same fuse shared by the cigarette lighter)
 - ✓Try the Flashpaq on another vehicle to make sure it powers up. If it does, then the wiring on the vehicle you are trying to program may be the issue (See your dealer for service).
-

My Flashpaq Says: "Non-Stock File Detected..."

- ✓Your vehicle may have been programmed by another device. Use that device to set your vehicle back to stock before using the Flashpaq.
-

When reading the vehicle's trouble codes (DTCs), I received a P1000 error code?

- ✓P1000 is a DTC that sometimes appears after a vehicle is programmed or the battery cables are unplugged from the battery. It will automatically clear after several drive cycles. It cannot be removed using the 'DTC Clear' function.

My vehicle has several aftermarket part modifications and after I program it with the Flashpaq, the vehicle does not run well?

- ✓An Flashpaq is designed for stock vehicles (factory stock calibrations and stock engine & transmissions). In some cases, upgrades like air filters, shorty headers, cold air intakes, or cat-back exhausts may not be supported.
-

I left Flashpaq tuning in my vehicle and went to my dealer for service, now my Flashpaq will not work?

- ✓The dealership likely updated your vehicle's calibrations, and saved over the tuning. The Flashpaq does not recognize the new files in your vehicle. Contact Superchips customer care at 407.585.7000 to correct the situation.
-

My programmer did not complete programming and went into recovery mode?

- ✓Flashpaq programmers are designed with 'Recovery Mode' which means if, for any reason, the programming process does not finish, the programmer will automatically program your vehicle back to the factory stock settings. It is necessary to follow the screen prompts, possibly requiring several 'Ignition On' and 'Ignition Off' sequences. When recovery is complete your vehicle is at factory stock.

TROUBLE SHOOTING CONT'D

You are now able to start your vehicle normally. You may now attempt to program your vehicle again. In the event that recovery is unsuccessful or fails to complete the programming cycle, a status message will display on the programmer. Please make note of the message displayed and contact Superchips Customer Care at 407.585.7000.

My programmer shows a 'vehicle calibration not on file' status.

✓The Flashpaq is loaded with the latest databases meant to provide extremely broad vehicle coverage. 'Vehicle calibration not on file' status occurs when programmer does not have the necessary calibration files to program a vehicle. Update your programmer using the Ignition update software. If your calibration is available it will be downloaded to your programmer for immediate use. If your calibration is not available, your calibration will be uploaded to Superchips' R&D for tuning. You will receive an e-mail as soon as your calibration is available. Calibrations are usually available in 5 business days.

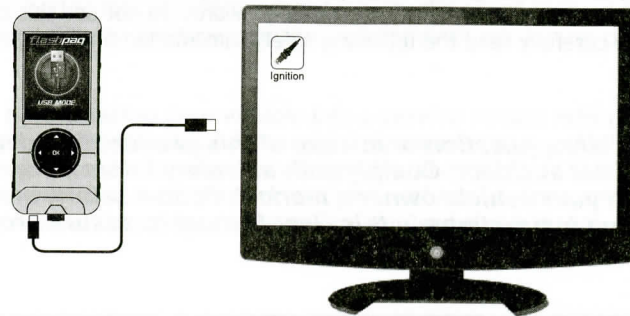
STORAGE AND MAINTENANCE

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

TIP: When you are not using your device, place it in its protective bag. This will keep the display from getting scratched.



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



SAFETY WARNING & CAUTION

SAFETY TERMS

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

WARNING: *indicates a condition that may cause serious injury or death to you, your passengers or others nearby. Pay careful attention to these Warning messages, and always comply with them. They could save a life.*

CAUTION: *indicates a condition that could cause damage to your vehicle. It is important to install and operate your Superchips product in conformance with instructions in this Manual. Caution alerts you to particularly important things that will keep your vehicle operating properly.*

The product you have bought 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.

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 owner's manual. Follow safety, installation and operating instructions in this User Manual to assure proper use.*

SAFETY GUIDELINES

1. Do not exceed legal speed limits on public roadways. Use any enhanced speed capabilities of this product only in closed circuit, legally sanctioned racing environments expressly for this purpose. Loss of control from speeding on a public road could seriously injure you, your passengers, or others on the roadway.
2. Do not operate the device while driving. Perform all adjustments or changes while stopped. Changing a setting while under way can interfere with your attention to roadway conditions.
3. "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, and do not stack products.
4. 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.

CAUTION: *Before taking your vehicle into a service center, return your vehicle to stock. The service center might reprogram your vehicle with an updated program without your knowledge. If you do not use this device to return your vehicle to factory stock and your vehicle is reprogrammed by the service center, the programmer will no longer be able to program your vehicle.*

LIMITED WARRANTY

Your **IMMEDIATE** action is required to activate your warranty!

THIS CUSTOMER LIMITED WARRANTY REGISTRATION FORM MUST BE COMPLETED AND RECEIVED BY SUPERCHIPS AS SPECIFIED BELOW WITHIN 30 DAYS OF DATE OF PURCHASE. FAILURE TO REGISTER PRODUCT WITHIN THIS TIME LIMIT WILL VOID THE LIMITED WARRANTY OFFERED ON THE PRODUCT CONTAINED HEREIN.

ONLINE REGISTRATION: WWW.SUPERCHIPS.COM

SUPERCHIPS FLASHPAQ PROGRAMMER LIMITED WARRANTY CUSTOMER LIMITED WARRANTY

1. THIS LIMITED WARRANTY COVERS THE FOLLOWING ITEMS AND COMPONENTS IN THE EVENT OF A FAILURE OF THE SUPERCHIPS FLASHPAQ PROGRAMMER ("SCP") (hereafter "Covered Components"):

- A. ENGINE** – The following internally lubricated parts of the engine, specifically, pistons, piston pins, fuel injectors, turbo, crankshaft and main bearings, connecting rods and rod bearings, camshaft and camshaft bearings, timing chain, timing chain gears, intake and exhaust valves, oil pump, push rods, rocker arms, valve/lash adjusters, hydraulic lifters, rocker arm shafts and valve stem seals. The engine block and cylinder heads are also covered if the components listed above caused a covered mechanical failure. This Limited Warranty only covers the OEM turbo charger(s) installed on diesel truck engines and the OEM turbocharger(s) and superchargers in gas vehicles. **Seal and gasket replacement is covered only for a covered repair or replacement of covered component(s).**
- B. TRANSMISSION** – The following internally lubricated parts of the manual or automatic transmission, specifically, torque converter, oil pump, governor, bands, drums, planetaries, sun gear and shell, sprag(s), shaft(s), bearings, shift rail, forks, and synchronizers. **Seal and gasket replacement is covered only for a covered repair or replacement of covered component(s).**

2. THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING COMPONENTS: This Limited Warranty does not include any part that is not part of the long block assembly. Parts that require normal manufacturer's recommended replacement intervals are not covered under this Limited Warranty. Damage resulting from failures by related parts or units such as (but not limited to) include levers, control, linkage, cables, radiator, coolers, rubber mounts, external oil lines, electronic components internal or external to the engine or transmission are not covered. Transfer cases are not covered items. This Limited Warranty does not cover external engine parts, ignition parts, fuel system parts, and engine management parts.

3. ELIGIBILITY AND TERM: Once your CUSTOMER LIMITED WARRANTY REGISTRATION FORM ("Registration") has been reviewed and approved, Superchips ("Company" or "We" or "Our"), will warrant to the Registered Owner ("You or "Your" or "Owner") of the vehicle ("Vehicle") identified in the Registration in which the SCP ("Chip") listed in the Registration is installed, so long as the Vehicle is not a corporate fleet vehicle or prepared or used for racing or other competitive events, that the Covered Components will be repaired or replaced when damage is caused directly from the proper use of the SCP for the Limited Warranty Term. Odometers must be fully functional at all time during the Limited Warranty period. Once registered, the Limited Warranty Term begins on the purchase date ("Purchase Date") for a term of two years, vehicle odometer not to exceed 100,000 miles at time of purchase or during the Term of this agreement, whichever occurs first. The Limited Warranty must be registered to become effective. Benefits are payable once the required information and the repair order are received and subsequently approved by the Company. The Limited Warranty then shall be in force for two years, or 100,000 miles on the vehicle odometer, whichever occurs first.

4. COVERAGE LIMITS: \$5,000 for ENGINE; \$3,000 for TRANSMISSION: \$8,000 AGGREGATE LIMIT: In the event of a failure of a Covered Component caused by Chip, We will repair or replace the defective Covered Component(s), including the replacement of all lost fluids. The limit of liability for the Vehicle is \$5,000 for the engine, \$3,000 for the transmission, and with an aggregate maximum liability and policy limit of \$8,000. After We have paid the full policy limit of the Limited Warranty, the Limited Warranty will lapse and no further coverage exists. If a claim exceeds the actual cash value (ACV) of the vehicle and We elect to pay the actual cash value (ACV) to You, the Vehicle becomes Our property for salvage. You must provide the Vehicle, with free and clear title to the Company

LIMITED WARRANTY CONT'D

before it will pay You the actual cash value (ACV). Our obligation under this Limited Warranty shall be to replace covered components with new or re-manufactured parts, as shall be necessary to remedy covered defects. Company reserves the right to improve the design of any components without assuming any obligation to modify any part previously manufactured or installed on the Vehicle.

- 5. EXCLUSIONS:** This Limited Warranty only applies to defects in material and workmanship. In addition to other terms and conditions that are set forth in the document, the following EXCLUSIONS are made to this Limited Warranty. Existence of an EXCLUSION means this Limited Warranty is VOID and cannot be enforced by the Owner:

A. EXCLUDED CAUSES OF DAMAGES AND/OR CONDITIONS:

- i. Damages to the Covered Components caused by neglect, abuse, lack of proper maintenance, collision, abnormal operation or improper installation of the Chip
- ii. Damages to the Covered Components caused by operation of the engine without fuels, oils or lubricants, or with fuels or lubricants that are contaminated or not suitable for the engine or transmission
- iii. Damages caused by blown head gaskets, fluid leaks, cracked heads or block, overheating or other engine failures caused by the lack of fluids or improper maintenance.
- iv. Damages caused by excess oil consumption and/or worn out parts.
- v. Damages to the Covered Components caused by towing an improper load capacity or continued operation of an impaired vehicle.
- vi. Damage to the engine caused by collision, misuse, road conditions, negligence, alterations, racing, fires, floods, riots, vandalism, theft, or acts of God.

B. EXCLUDED USES WHICH CAUSE THIS LIMITED WARRANTY TO BE VOID:

- i. Use of the vehicle for delivery services or in the commission of a crime or infraction
- ii. Installation or use of headers, pulley(ies), camshaft, bolt-on performance enhancement parts, or nitrous oxide systems on the vehicle. This exclusion does not apply to cold-air intake systems or cat-back exhaust systems.
- iii. The participation in or the preparation of the Vehicle, for racing or other competitive events/activities.
- iv. The modification of the Chip component.
- v. Covered Components that have been tampered with or altered after the original installation. All risk of such damages caused by alterations and tampering are solely with You.

- vi. Damages caused by continued operation of an impaired vehicle and Covered Components driven to destruction. It is Your sole responsibility to use all necessary precautions to protect the Vehicle from further damage if the Vehicle's operation is impaired. Continued operation of an impaired Vehicle after any mechanical failure, constitutes failure to protect the Vehicle from further damage and is negligence by the Owner or driver of the Vehicle, thereby voiding this Limited Warranty.

6. EXCEPTIONS AND ADDITIONAL CONDITIONS:

- A. We are only responsible for Covered Components on this vehicle if the Registered Owner is accurately identified in the registration documents for this Limited Warranty. THIS LIMITED WARRANTY IS NOT TRANSFERABLE AND TERMINATES UPON CONVEYANCE OF TITLE TO OR TRANSFER OF PHYSICAL POSSESSION OF, THE VEHICLE TO ANOTHER PERSON OR ENTITY.
- B. If there has been any fraud, misrepresentation, material omission or other incorrect or misleading disclosure, or failure to disclose, a material fact, then the Company has the right to void the Limited Warranty and exclude certain coverage, in its sole discretion due to that fact.
- C. If this Limited Warranty is voided or coverage excluded by reason of Your action or inaction that occurred after the Limited Warranty was activated, then You are not entitled to any refund or other consideration of payment.
- D. This is not a performance warranty. All vehicles have their own differences, and all drivers are different. Diminished performance is not a covered component or the basis for a claim under this Limited Warranty.
- E. This Limited Warranty does not cover damages from Your loss of use of the Vehicle, loss of earnings, personal damages, per diem expenses or any other consequential or incidental damages. Storage, medical, rental and phone charges of any kind are not covered.
- F. This Limited Warranty is secondary to the primary OEM Manufacturer's Warranty or any other extended service contract associated with Vehicle
- G. All express and implied warranties of merchantability of fitness are excluded from this Limited Warranty. The Maximum term of any and all implied warranties that may exist extend for only the life of the express Limited Warranty provided herein.

- 7. MAINTENANCE REQUIREMENTS** – You must properly maintain the Vehicle. It is Your responsibility to have the engine oil and filter changed pursuant to the original vehicle

LIMITED WARRANTY CONT'D

manufacturer's requirements. You **MUST** retain properly documented and verifiable receipts or records and make those available in the event of a Limited Warranty covered claim. Presentation of other maintenance and service receipts and invoices may be required in the event of a Limited Warranty claim. **Unverifiable records will not be accepted.**

8. **CLAIM PROCEDURE** – In the event of a failure of a Covered Component, You must do the following:
- A. Notify Superchips **IMMEDIATELY** at **407-585-7000** for an issue tracking number.
 - B. Have all required documentation prepared to submit to the Company. Specifically, copies of Your Registration, proof of product purchase, proof of Vehicle maintenance records (as outlined in Line 7 Maintenance Requirements) and documentation of the failure of a Covered Component.
 - C. You must use, and agree to authorize, a Superchips approved Repair Facility to tear down the Vehicle so that inspection of the Covered Component may be completed. This **MUST** be done prior to any authorization of repair or replacement of the Covered Component by the Company. You will be solely liable, and agree to pay the costs of tear down if the damages are not covered under the Limited Warranty.
 - D. Reasonable access must be provided to the Vehicle for inspection purposes by the Company.
 - E. If we need any of the Covered Components inspected, then You must pay for all related transportation Charges and/or travel time. Any parts shipped by You for inspection or repair **MUST** be shipped with freight pre-paid.
 - F. All repairs and work shall be done and covered up to the maximum of our liability, and at our approved labor rate. Failure to receive authorization from the Company prior to ANY repair work will **invalidate** this Limited Warranty.
 - G. You may not rely on representations orally, written, or otherwise, of anyone with respect to the nature and extent of the coverage under this Limited Warranty and must rely only on the terms and conditions herein. No employee or representative of Company has the right or power to change or waive any of the terms and conditions of this Limited Warranty, other than by joint written agreement of presidents of both Company and Insurer.

THIS CUSTOMER LIMITED WARRANTY REGISTRATION FORM MUST BE COMPLETED AND RECEIVED BY SUPERCHIPS AS SPECIFIED ABOVE WITHIN 30 DAYS OF DATE OF PURCHASE. FAILURE TO REGISTER PRODUCT WITHIN THIS TIME LIMIT WILL VOID THE LIMITED WARRANTY OFFERED ON THE PRODUCT CONTAINED HEREIN.

VEHICLE WARRANTY INFO

IMPORTANT INFORMATION ABOUT YOUR VEHICLE'S WARRANTY

Many of our customers ask, "Will your product void my vehicle's manufacturer's warranty?" While the answer is straightforward from a legal standpoint, it's important to educate our customers (and all aftermarket consumers) on some industry realities and offer some common sense precautions to minimize your risk. Superchips is committed to providing quality products that are safe to use. Our products do not cause damage to a vehicle when used as intended.

CAUTION: Operate your vehicle within manufactures recommended load and weight limits as shown in the Manufactures Operator Manual. Please keep in mind that towing in anything higher than the towing level and hard driving in race or extreme performance levels using Superchips is not recommended and can cause engine damage or failure. In particular, with the use of any diesel performance product, We strongly recommend the installation of an exhaust gas temperature (EGT) gauge in order to ensure the engine operates within a safe temperature range. Failure to ensure safe operating engine temperature may result in engine damage or failure.

Consumers of aftermarket products are protected by the Federal Magnusson-Moss Warranty Act. The Act states that if something breaks on your vehicle and you take it in for warranty repair, the dealer must honor your warranty unless whatever modifications you have added to your vehicle actually caused the problem in question.

However, the reality is that many dealerships have been known to void warranties on vehicles that use aftermarket products as a matter of policy. This applies in particular to those aftermarket products that produce horsepower, such as performance enhancement "chips," modified intake manifolds, or aftermarket exhaust systems, regardless of product brand.

You have strong legal protection as a consumer in regard to your vehicle's warranty. However, we strongly recommend you always disconnect and remove your module/programmer and monitor when you take your vehicle to a dealer for warranty work. In addition, leaving the product connected may affect dealer diagnostic analysis and scan tool functions. Superchips makes every effort to produce product that can be easily removed.

NOTE: Even if you disconnect your unit, in some situations your dealer can detect the use of any programmer—even if the unit has been removed.

SERVICE CENTER AND COMPATIBILITY CAUTIONS

CAUTION: *Return your vehicle to stock before taking it to a service center.*

All Superchips programmers are built to operate with OEM calibrations. If you take your vehicle to a service center they may, by your request or otherwise, update your vehicle's calibrations. If this happens and your vehicle has not been returned to stock your device will no longer be capable of programming your vehicle. Therefore it is important that you return your vehicle to stock before taking it in for service. Superchips updates its active products (i.e. those currently being manufactured) to work effectively with updated OEM calibrations. However, this process can take some time as Superchips is not always made aware of calibration changes made by the OEM. In the case of discontinued products, Superchips cannot ensure that your unit will work effectively if you take your vehicle to a dealership and you are given, by your request or otherwise, a new calibration.

CAUTION: *If you have used another tuner/programmer on your vehicle, you will need to program the vehicle back to stock and remove the device before using the Superchips Product. Failure to return to stock may result in PCM failure or engine damage. Programming your vehicle may expose existing defects in the vehicle's PCM that could disable your vehicle. It is advised that you do not program your vehicle in remote locations in case of vehicle failure.*

CAUTION: *The Flashpaq programmer was developed on a stock vehicle with no aftermarket bolt-on parts; as such, the performance changes implemented by the Flashpaq may not be compatible with certain aftermarket power add-ons. Refer to the following for a brief explanation of how the Flashpaq tuning may be affected by certain aftermarket devices.*

COLD AIR INTAKE (CAI) KITS

Most modern-day vehicles use a Mass Air Flow (MAF) sensor. The MAF sensor is generally located in the intake tube close to the factory air box. MAF sensors play a key role in determining the amount of fuel an engine needs at any given throttle position. MAF sensors are precisely calibrated for the factory intake systems; changes in intake tube diameter, sensor placement, or filter flow characteristics can adversely affect the reading from the MAF sensor.

MECHANICAL MODIFICATIONS

Mechanical modifications such as headers, upgraded camshafts, displacement changes, cylinder head improvements etc., will change the airflow characteristics of an internal combustion engine. The Flashpaq is not tailored to take advantage of these modifications, for the best results we recommend vehicle specific custom tuning.

FORCED INDUCTION (TURBOCHARGERS OR SUPERCHARGERS)

Turbochargers and Superchargers drastically change the dynamics/performance of the engine, and its fueling/timing needs. Additional hard parts and custom tuning are required to run a forced induction system on an engine that was originally designed as a Naturally Aspirated (NA) engine. The Flashpaq does not support the addition of an aftermarket forced induction kit.

NOTE: *Superchips offers a 2 year Powertrain Warranty and Extended Protection for your Flashpaq. Please register your device at www.superchips.com to review all terms, conditions, and eligibility.*

D10014000

www.Superchips.com

1790 EAST AIRPORT BLVD. | SANFORD, FL 32773 | PH: 407.585.7000

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POWERTEQ