

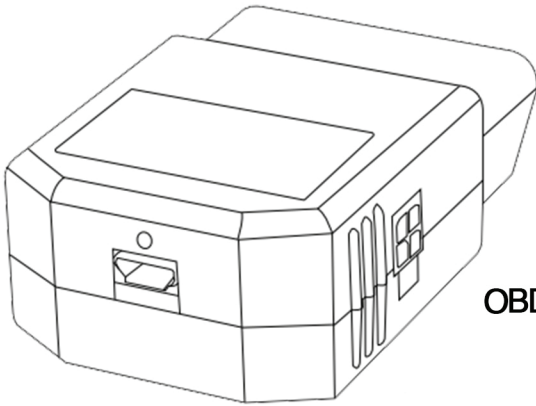
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# **Flash**<sup>TM</sup>

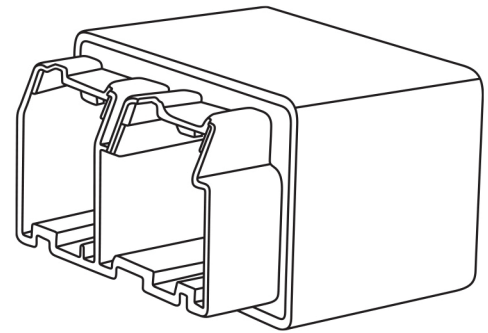
## VEHICLE FLASHER

**USER MANUAL**

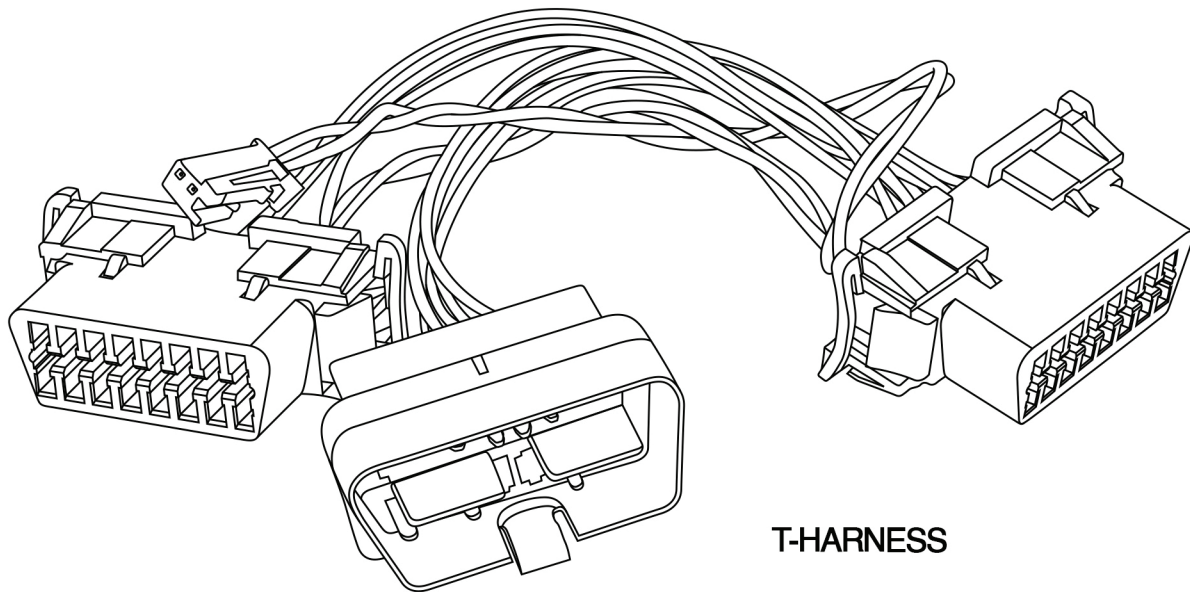
OBD-II STALK •  
DODGE | JEEP | RAM | CHRYSLER



OBD-II STALK



GATEWAY BYPASS MODULE



T-HARNESS



## WARRANTY



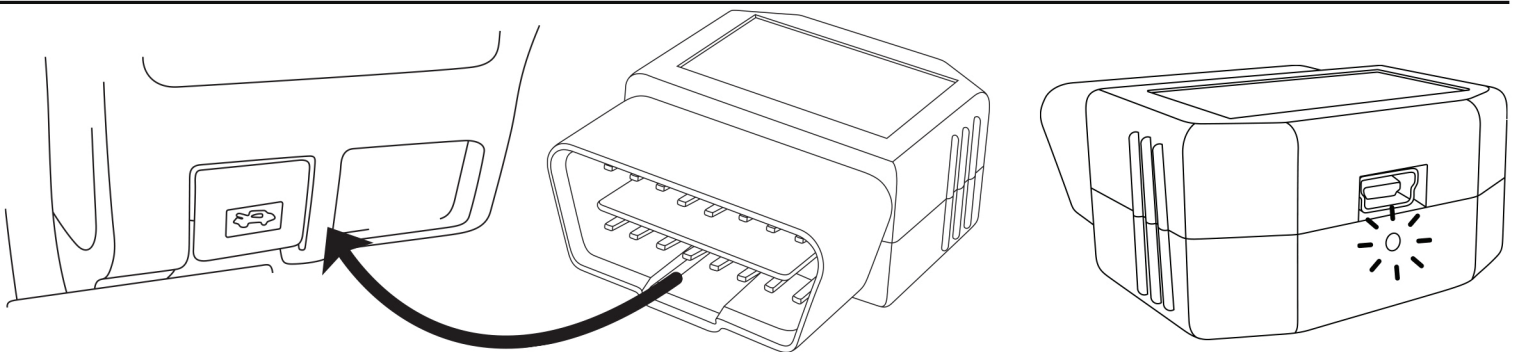
## WARNING

This warranty protects the product(s) specified to be free from defects in material and workmanship for 1 (one) year. During the warranty period we will, at our sole discretion, repair or replace the product(s). This limited warranty does not cover travel expense or labor charges for the removal and reinstallation of the product, or any other charges alike. We are not responsible for incidental damages, including but not limited to: loss of time, loss of work, inconvenience, loss and/or damage to personal property, shipping expenses. We are in no way responsible for any loss or any indirect or consequential damages resulting from any such defect in material and/or workmanship whether it's due to negligence, incorrect installation, or manufacturer mistake. It is the sole responsibility of the party initiating a warranty claim to pay shipping charges associated with returning a product.

- If you do not know what you are doing, do not try.
- We advise professional installation for all products.
- Electrical shock can cause injury or death. Please use proper tools and protection when installing. Professional installation is strongly advised.
- Please check for correct installation method before powering on. Electrical fire can occur.
- Do not run any wires in the way of air bags or other safety devices.



## OBD-II MODULE INSTALLATION



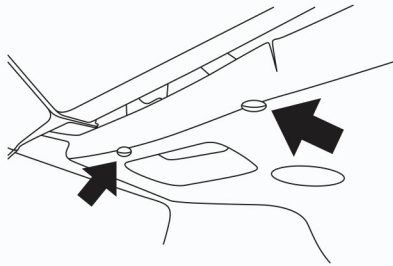
1. Connect the module into the vehicle's OBD-II port. The OBD-II port is located under the dashboard on the driver's side.
2. Start your vehicle.
3. The module will begin to boot and the LED will flash for 5 seconds.
4. When the module is ready to use the green LED will flash for 5 seconds and then turn off.
5. If you need to disconnect the module and plug it back in, you will need to follow the boot sequence again.



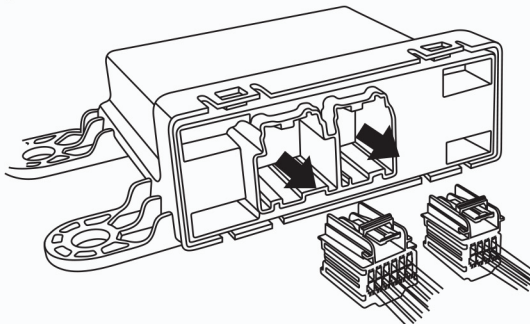
# GATEWAY MODULE INSTALLATION

- 2018-2021 Jeep Grand Cherokee
- 2018-2024 Durango

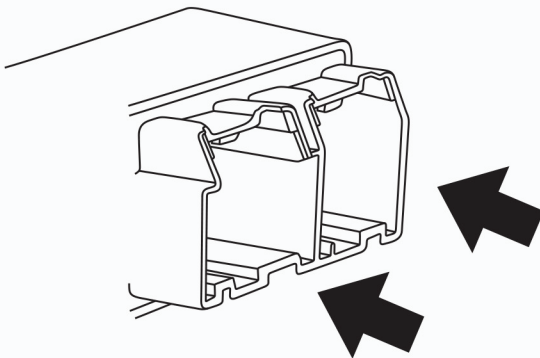
The security gateway module is located on the passenger side under the glove box.



1. Remove the push pins holding the passenger side carpet silencer panel in place.



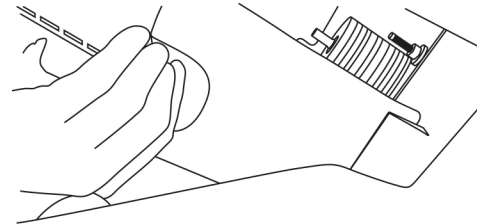
2. Remove both connectors plugged into security gateway module.



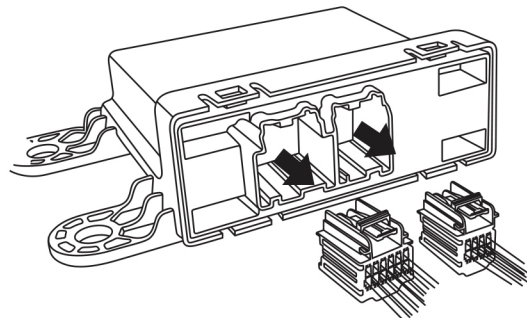
3. Remove the two plugs in the security module and reconnect to the bypass module.

*\*You must remove the Z-Flash Bypass Module and reconnect the Chrysler Security Module when servicing your vehicle to ensure the dealer tool will operate.*

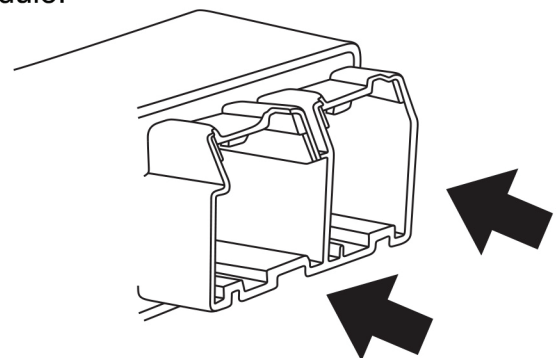
- 2019-2024 Ram 1500
- 2018-2024 Charger
- 2018-2024 Wrangler JL
- 2018-2023 300



1. Remove the panel to access under the dash.



2. You can remove the 3 screws and remove the entire module. Or reach your hand behind and remove the plugs from the module.



3. Remove the two plugs in the security module and reconnect to the bypass module.

*\*You must remove the Z-Flash Bypass Module and reconnect the Chrysler Security Module when servicing your vehicle to ensure the dealer tool will operate.*



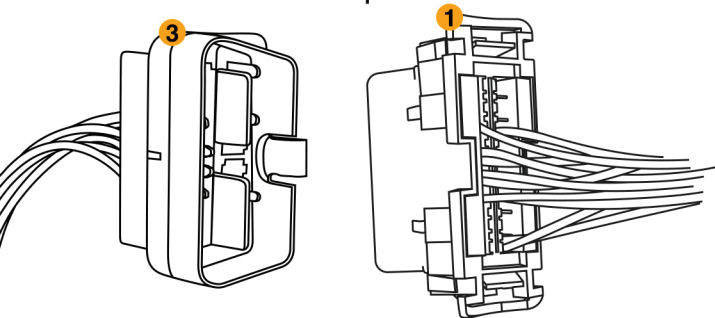


# T-HARNESS INSTALLATION FOR

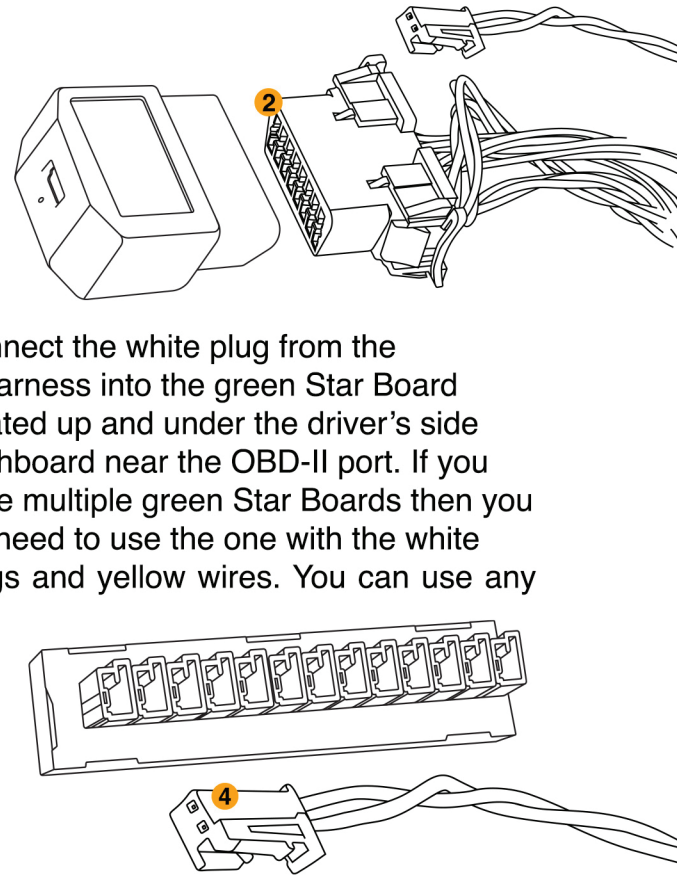
- 2018 Ram 1500
- 2019-2024 Ram 1500 Classic
- 2018-2024 Ram 2500-5500

This harness prevents you from having to access the security gateway and install a Gateway Bypass Module on the 2018 Ram 1500, 2019-2020 Ram 1500 Classic and 2018-2020 2500-5500 Rams. Once your T-Harness is installed you will not need a Z-Flash Gateway Bypass Module. The T-Harness does not need to be removed when getting the vehicle serviced. The T-Harness also acts as a splitter and leaves room for an additional OBD-II device to be connected to the vehicle.

1. Using the two clips on the side of the OBD-II port, squeeze and push the port forward to push it out of the holder.
2. Connect the Z-Flash to the T-Harness OBD-II port where the green and white plugs exit from.
3. Connect the female end of the T-Harness into the vehicles OBD-II port that you removed in step 1.

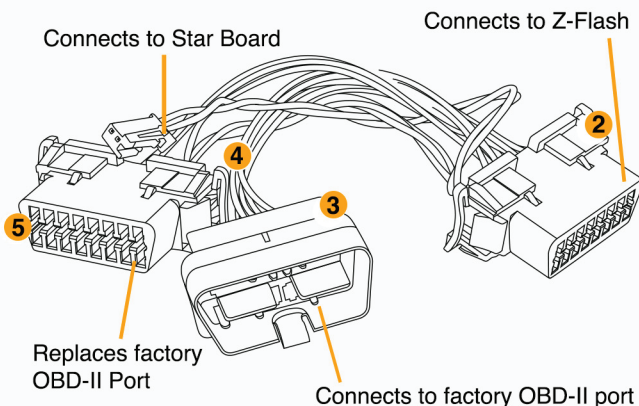


4. Connect the white plug from the T-Harness into the green Star Board located up and under the driver's side dashboard near the OBD-II port. If you have multiple green Star Boards then you will need to use the one with the white plugs and yellow wires. You can use any



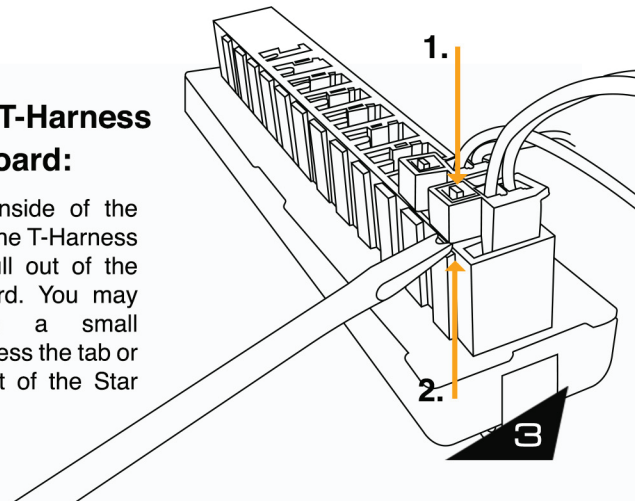
5. The last OBD-II plug on the T-Harness can be put back into the vehicle's OBD-II holder where you removed the OBD-II port from in step 1.

## Quick Reference Guide



## To Remove T-Harness from Star Board:

Press the tab inside of the white plug from the T-Harness and carefully pull out of the green Star Board. You may need to use a small screwdriver to press the tab or pull the plug out of the Star Board.





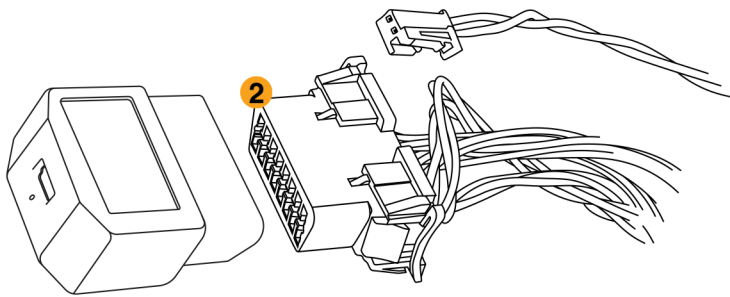


# T-HARNESS INSTALLATION FOR

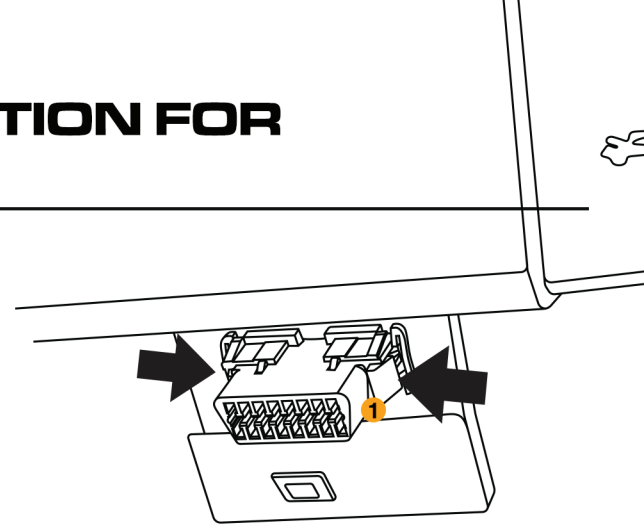
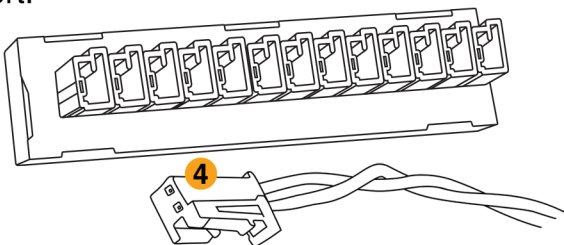
## 2018-2023 Dodge Challenger

The Z-Flash T-Harness will work with 2018-2020 Dodge Challenger. This harness prevents you from having to access the security gateway and install a Gateway Bypass Module. Once your T-Harness is installed you will not need a Z-Flash Gateway Bypass Module. The T-Harness does not need to be removed when getting the vehicle serviced. The T-Harness also acts as a splitter and leaves room for an additional OBD-II device to be connected to the vehicle.

2. Connect the Z-Flash to the T-Harness OBD-II port where the white plug exits from.

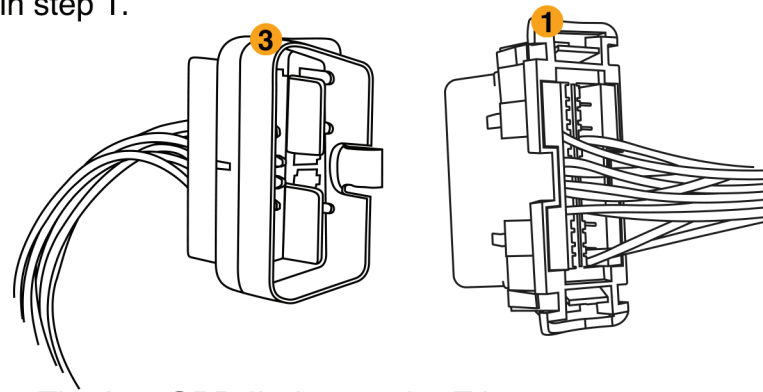


4. Connect the white plug from the T-Harness into the green Star Board. For the 2018-2020 Dodge Challengers the Star Board is located on the passenger's side to the right of the glove box. If you have multiple green Star Boards then you will need to use the one with the white plugs and yellow wires. You can use any open port.

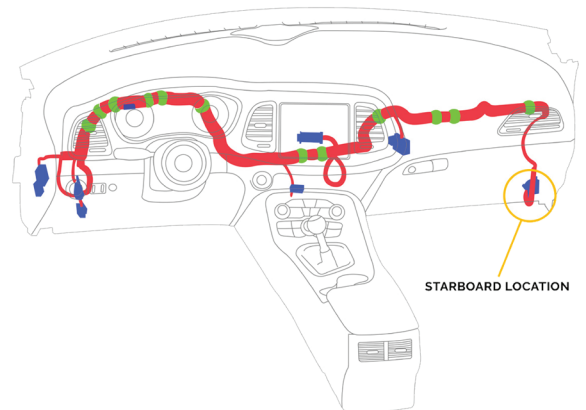


1. Using the two clips on the side of the OBD-II port, squeeze and push the port forward to push it out of the holder.

3. Connect the female end of the T-Harness into the vehicles OBD-II port that you removed in step 1.



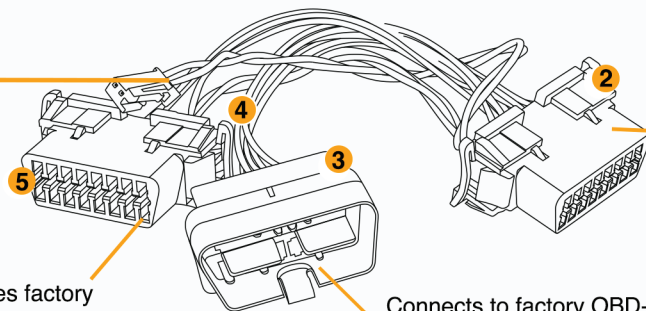
5. The last OBD-II plug on the T-harness can be put back into the vehicle's OBD-II holder where you removed the OBD-II port from in step 1.



### Quick Reference Guide

Connects to Star Board

Replaces factory OBD-II Port



Connects to Z-Flash

Connects to factory OBD-II port



## OPERATION

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### **Activation:**

The module requires no external switches and can activate with the high beam stalk.

1. Pull the high beam stalk back for 5 seconds to activate it. You'll know it's turned on when the high beam indicator is active on the dashboard. If your vehicle is equipped with a dashboard screen it will display the Z-Flash pattern that you are currently using in the place where your radio normally displays.
2. To turn it off pull the high beam stalk for two seconds

### **Pattern Changing:**

1. To change the pattern press both the left arrow and cancel button simultaneously.  
(For 2011-2014 Chargers use the back button and cancel button simultaneously)
2. The flash pattern will be displayed on the dashboard if your dashboard screen is set to view the radio.

### **How to Change Pattern Speed:**

1. To increase the speed of the pattern, push the high beam stalk forward and lift up (like signaling you are turning right). Do this 2 more times to reach the maximum speed.
2. To decrease the speed of the pattern, push the high beam stalk forward and push down (like signaling you are turning left). Do this 2 more times to reach the slowest speed.

### **Quick Start Activation:**

1. When entering the vehicle pull the high beam stalk back while starting the vehicle.
2. The lights will immediately turn on when the vehicle starts

### **Key Fob:**

Use the key fob to turn your lights on by pressing:

1. Unlock
2. Unlock
3. Lock
4. Unlock

While the module is activated you may use the unlock button on the key fob to change to the next available pattern.



## FAQS

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- **How does it work?**

Using diagnostic signals the module tells the vehicle to activate the respective lights. The module does not rewrite computer code or effect the vehicle. The codes are the same that the dealer could use to diagnose your vehicle.

- **Will this burn my computer?**

The module does not put out any voltage and will not burn up the computer. It's much like plugging a USB stick into your PC.

- **Will my brake lights still work?**

Your brake and turn signals will override the flashing pattern. If the module is active and you hit the brakes or use your turn signal, that function will override. This cannot be disabled as it is an important safety feature.

- **Will this burn up my bulbs?**

Like any headlight/taillight flasher it will burn out your bulbs faster than normal. Aftermarket HID's will burn up very quickly because the ballasts are not intended to flash.

- **My bulb is not flashing or very dim?**

Unlike LEDs, Halogen bulbs require a charge up and cool down time. Because of this it is not possible to flash them as fast as LED bulbs. Try using a custom pattern to slow the flash rate down.

- **Is the module traceable?**

Once removed, the module does not leave any trace of being installed. For 2018-2019 model years be sure to remove the gateway module and reconnect the vehicle's security module before attempting to connect an OBD-II scanner or before having the vehicle serviced. Leaving the gateway module installed will prevent an OBD-II scanner from operating properly.

- **Does the Z-Flash work with aftermarket bulbs?**

Yes, but some low quality aftermarket HID's and LEDs will burn up very quickly because the ballasts are not intended to flash.

- **Will my trailer lights flash?**

Trailer lights should only flash if they're using an aftermarket trailer wiring harness. If it's the factory tow kit, in most cases it wouldn't flash as those are commanded separately.

- **Will my plow lights flash?**

Yes, most plow lights will flash provided they are wired to your vehicle's headlights.