

DIODE DYNAMICS

PERFORMANCE LIGHTING TECHNOLOGY

2017 - 2020 Chevrolet Camaro ZL1 RGBW™ DRL LED Board Installation Guide

Thank you for your purchase of this unique product for your Chevrolet Camaro! With these modules, you will be able to convert your factory LEDs inside the headlight into full multicolor functionality. They are a direct replacement for the factory LED panels inside the light.

Tools Needed: Torx T10 and T20 Screwdriver



Please note: Headlights must be opened before proceeding with installation. Before baking the headlight, remove the T20 torx screws holding the ballast to the housing and the three T20 torx screws holding the LED driver to the housing. Disconnect the OEM harness from ballast. Professional installation is strongly recommended. Please contact Diode Dynamics if you need assistance locating an installer.

Upper DRL Board Installation

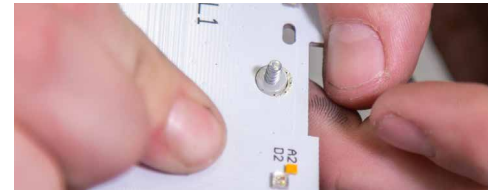


1. Remove the six T20 torx screws holding the black bezel in place, including the screw on the backside of the housing. Set the bezel aside.

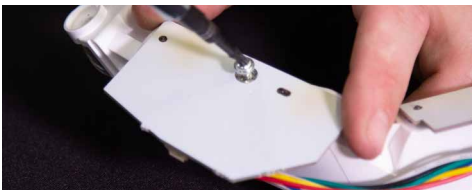
Remove the four T20 torx screws holding the white optics shroud in place and remove the optics shroud from the assembly.



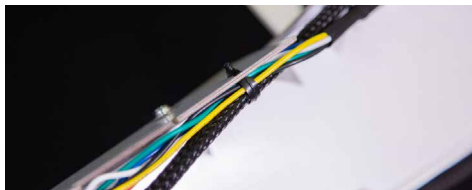
2. Remove the four T10 torx screws holding the factory boards in place. Then remove the factory boards. They won't be reused.



3. Install your new Diode Dynamics LED boards. To do so, install the supplied spacers between the boards and the back of the optics shroud as shown in the picture above. The spacers must be used in order to allow enough clearance for the LED chips.



4. Secure the boards in place using the original T10 torx screws.



5. Connect the wiring harness to the LED boards. Ensure the shortest length on the wiring harness is connected to the L1/R1 boards.

Secure the wiring harness to the back of the board using the included zip ties.



6. Using the original T20 screws, reinstall the white optics shroud and route the wires through the back of the headlight assembly, sealing any holes you may create.

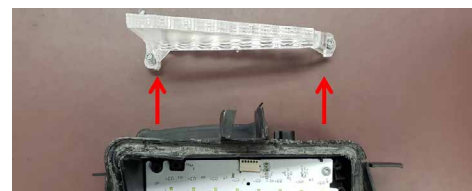
7. Using the original T20 screws, reinstall the black bezel in the headlight assembly. Once complete, repeat the same process for the other headlight.

Lower DRL Board Installation



8. Remove the two T25 torx screws holding the black plastic shroud in place.

Remove the plastic shroud to gain access to the optic beneath.



9. Remove the three T25 torx screws holding the optic in place.

Remove the optic from the lamp housing to gain access to the factory board.



10. Remove the single T25 torx screw from the factory board. Then remove the factory board and disconnect the OEM connector. It won't be reused.

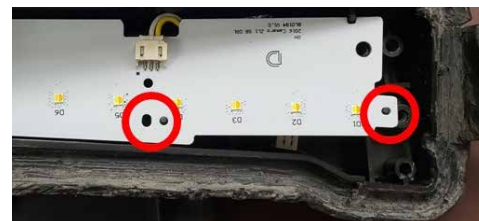
See back for further instructions.



11. Disconnect the OEM driver harness from the driver and remove the harness from the lamp.



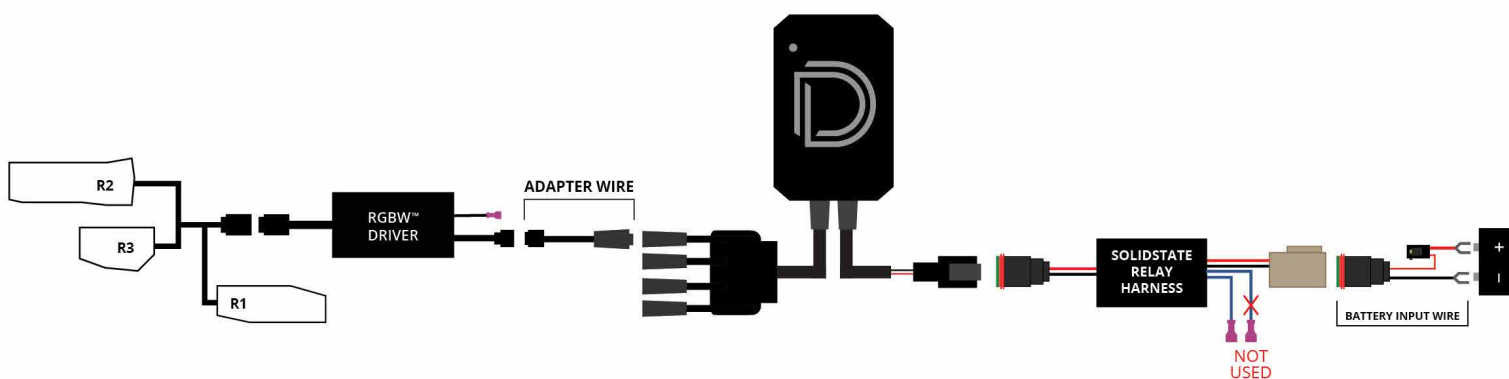
12. Drill a hole just large enough for your new wiring harness to pass through. You may need to de-pin the connector and re-pin after passing through for a proper seal.



13. Install your new LED board into the lamp housing, aligning the tabs. Then reinstall the original screws and optic. Reinstall the black shroud. Once complete, repeat the same process for the other lamp.

Upper and Lower DRL Wiring Instructions

14. Connect the LED boards to the RGBW driver. Then using the JST-to-M8 adapter wire included with the Diode Dynamics controller, connect the driver to the controller (sold separately).



IMPORTANT: DO NOT plug the LED panel directly into controller without the driver. The LEDs must be plugged into driver first to control the power.

15. Connect your controller to the SolidState Relay Harness output. Connect the battery input wire (included with Diode Dynamics RGBW Controller) to the harness. Run the battery input wire to the battery and connect to the positive and negative battery terminals.

16. Tap one of the blue wires from the SolidState Relay Harness to your power source. This will determine when the LEDs turn on. In the table below, we have listed the suggested wire to tap on the headlight harness, so the LEDs turn on with your parking lights. Alternatively, you can run this to your battery with a switch (not included) if you prefer manual activation and power. The second blue wire will not be used.

DIODE WIRE	FUNCTION	PIN	HARNES LOCATION	DRIVER WIRE	PASSENGER WIRE
BLUE	PARK/DRL	PIN 8	HEADLIGHT	N/A	BLUE/BROWN
BLACK	GROUND	PIN 2	HEADLIGHT	BLACK	BLACK

17. Mount drivers and controller, and tuck all wires. Drivers should be mounted outside of headlight for serviceability, in a location away from the engine block to avoid excessive head buildup. Test thoroughly, reseal headlights and reinstall onto vehicle.

Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (10a-5p CST) or **contact@diodedynamics.com**.

This installation guide is for the following SKUs:

DD2256 Camaro SS/ZL1 2016 RGBW DRL Boards

DD2288 Camaro ZL1 2017 RGBW Lower DRL Boards

DD2295 Camaro ZL1 2017 RGBW Upper & Lower DRL Boards

**100% SATISFACTION
GUARANTEE**

**3 YEAR
WARRANTY**

