

DIODE DYNAMICS

PERFORMANCE LIGHTING TECHNOLOGY

2018+ Jeep JL Wrangler RGBW DRL LED Halo Installation Guide

Thank you for your purchase of this unique product for your Jeep JL Wrangler! With these halos, you will be able to convert your factory LEDs inside the headlight into full multicolor functionality.



Please note: Headlights must be opened before proceeding with installation. Professional installation is strongly recommended. Please contact Diode Dynamics if you need assistance locating an installer.



Tools Needed: Torx T20 Screwdriver



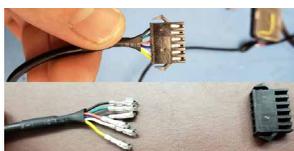
1. After opening the headlights, remove the four T20 torx screws holding the silver outer shroud in place. Remove the silver shroud.

Remove the frosted plastic shroud covering the light pipe and retainer.



2. Remove the four T20 torx screws holding the light pipe retainer in place. Remove the retainer and light pipe.

NOTE: The light pipe will be replaced by your new RGBW DRL halo and will not be used again.



3. De-pin the JST connector in order to route the wire through the light pipe retainer.



4. Route the wire through the small hole at the bottom of the light pipe retainer. Set the RGBW DRL halo in place. The tabs on the halo should line up with the slots in the retainer. Then re-pin the JST connector.



5. Route the wire through the hole at the bottom of the headlamp. Then return the retainer to its original position.

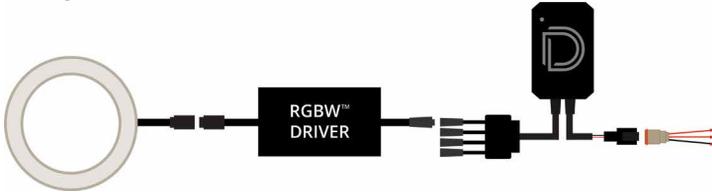
See back for further instructions.

6. Secure the retainer and the RGBW DRL halo in place using the four original T20 torx screws.

7. Reinstall the frosted plastic lens in the headlamp. Then reinstall the silver outer shroud in the headlamp using the four original T20 torx screws.

Wiring Instructions

8. Connect the LED Halo to the driver. Then connect the driver to the controller (sold separately). These modules can be used with any RGBW controller that operates with common anode (positive). See diagram below.

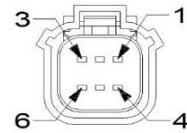


IMPORTANT: DO NOT plug the LED panel directly into controller without the driver. The LEDs must be plugged into driver first to control the power.

9. Connect your RGBW controller to 12V power and ground. This will dictate when the panels turn on. The most popular wiring choice is listed in the tables below.

Sport

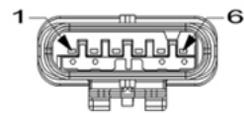
DD WIRE	FUNCTION	PIN	HARNESS LOCATION	DRIVER WIRE
RED	PARKING	PIN 4	PARKING	WHITE/BROWN
RED	LOW BEAM	PIN 2	HEADLIGHT	WHITE/BLUE
BLACK	GROUND	PIN 1	HEADLIGHT	BLACK



Headlight Harness

Sahara and Rubicon

DD WIRE	FUNCTION	PIN	HARNESS LOCATION	DRIVER WIRE
RED	DRL	PIN 5	HEADLIGHT	BROWN/BLUE
RED	LOW BEAM	PIN 2	HEADLIGHT	WHITE/BLUE
BLACK	GROUND	PIN 1	HEADLIGHT	BLACK



Parking/Turn Lamp Harness

10. 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 heat buildup.**

11. Test thoroughly, reseal headlight, and reinstall onto vehicle.

Please contact **Diode Dynamics** should you have any questions about the installation or wiring process, at **314-205-3033** (9a-5p CST) or **contact@diodedynamics.com**.

This installation guide is for the following SKUs: DD2290 Jeep JL Wrangler RGBW DRL Halos