DIODE DYNAMICS
PERFORMANCE LIGHTING TECHNOLOGY

HDHALO™
185mm HD Halo Installation Guide

Thank you for your purchase of new HD LED Halos! With this product, you will be able to add a white accent in the headlights that also functions as an amber turn signal for a unique look on the road!
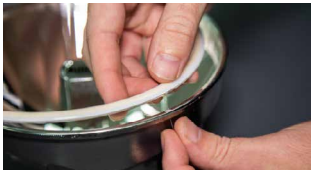
ASSEMBLED IN USA

Please note: Headlights must be opened before proceeding with installation. This process can be completed by heating and prying the lens from the housing. We recommend viewing example videos online to understand the process however, professional installation is strongly recommended. Please contact Diode Dynamics if you need assistance locating an installer.

The following instructions are specific to the 2018+ Jeep JL Wrangler. For universal installation, mount halos in preferred location, then wire to ground and 12V positive signals, using wire colors as indicated on next page (see "Function" column of table).

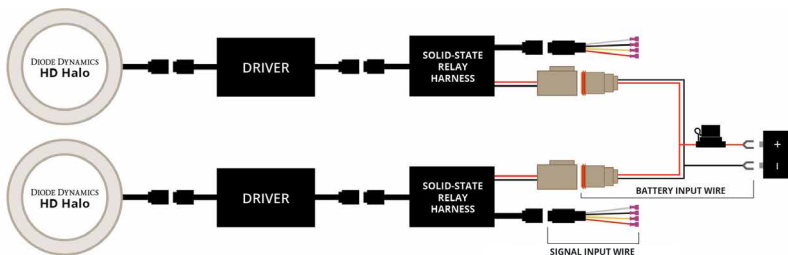**1.** Once the headlight is opened, remove the reflector by pulling out firmly.

2. Mount the halo to the chrome reflector using beading wire or JB Weld. This may require drilling a small hole in the reflector.

3. Reinstall the reflector in the headlight.

4. Route the wires behind the chrome reflector to the back of the headlight, sealing any holes that you may create.

5. Connect the halo connector to the driver and then connect the driver to the Solid-State Relay Harness. See diagram below.

See back for further instructions.

6. Next, connect the battery input wire (included with the Solid-State Relay) to the Solid-State Relays. Run the battery input wire to the battery and connect to the positive and negative battery terminals.

7. Plug the signal input wires into the Solid-State Relays. Using the included T-taps, tap the signal input wires to the OEM vehicle harness. See wire functions in the tables below. This will dictate when the panels turn on.
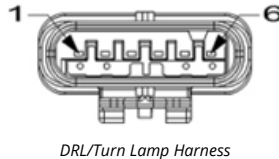
Wiring Instructions

Sport

DD WIRE	FUNCTION	PIN	HARNESS LOCATION	DRIVER WIRE	PASSENGER WIRE
WHITE	Low Power, 50% Brightness	PIN 2	Headlight	White/Blue	White/Orange
BLACK	Ground	PIN 6	DRL/Turn	Black	Black
YELLOW	Turn Signal	PIN 2	DRL/Turn	White/Green	White/Biege
RED	High Power, 100% Brightness	PIN 4	DRL/Turn	White/Brown	White/Orange

Sahara and Rubicon

DD WIRE	FUNCTION	PIN	HARNESS LOCATION	DRIVER WIRE	PASSENGER WIRE
WHITE	Low Power, 50% Brightness	PIN 2	Headlight	White/Blue	White/Orange
BLACK	Ground	PIN 6	DRL/Turn	Black	Black
YELLOW	Turn Signal	PIN 2	DRL/Turn	White/Green	White/Biege
RED	High Power, 100% Brightness	PIN 5	Headlight	Brown/Blue	Brown/Orange

Headlight Harness

DRL/Turn Lamp Harness

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

7. Mount driver and SolidState Relay Harness and tuck all wires. **They should be mounted outside of headlight for serviceability, in a location away from the engine block to avoid excessive heat buildup.**

8. 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 SKU:

DD2241 Halo 185mm Switchback (pair)   **DD2241S** Halo 185mm Switchback (one)