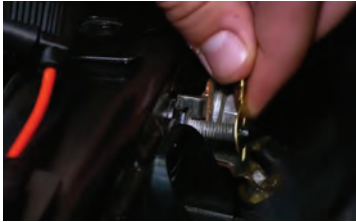


2018+ Jeep JL Wrangler  
Hood Light Bar Kit Installation Guide



6. Locate the four power wires for the Auxiliary Switch Bank near the battery. Connect to one of the 40A power wires. Using wire strippers, remove enough insulation to make a good connection. Insert the wire into the butt connector and crimp it to secure the connection.

|            |          |           |           |
|------------|----------|-----------|-----------|
| Orange 10A | Blue 10A | Brown 40A | Green 40A |
|------------|----------|-----------|-----------|



7. Locate the factory grounding point. Remove the nut using a 10mm socket. Attach your ground wire and reinstall the 10mm nut.

Secure the wires and test thoroughly to complete your installation.



**This installation guide is for the following SKUs:**

- DD6090** Jeep 2018 Hood Bracket Kit
- DD6104** Jeep 2018 SS50 Hood LED Kit White Driving
- DD6105** Jeep 2018 SS50 Hood LED Kit White Flood
- DD6106** Jeep 2018 SS50 Hood LED Kit White Combo

- DD6107** Jeep 2018 SS50 Hood LED Kit Amber Driving
- DD6108** Jeep 2018 SS50 Hood LED Kit Amber Flood
- DD6109** Jeep 2018 SS50 Hood LED Kit Amber Combo



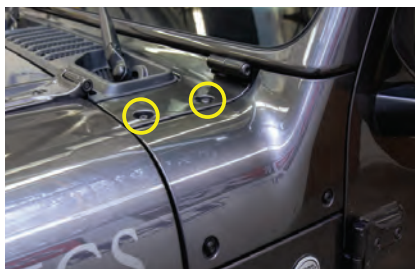
# DIODE DYNAMICS

## 2018+ Jeep JL Wrangler

### Hood Light Bar Kit Installation Guide

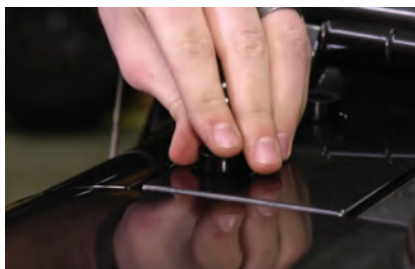
Thank you for your purchase of this custom-designed LED light bar kit for your 2018+ Jeep JL Wrangler! This kit utilizes both factory mounting points and included hardware to mount the bracket to the vehicle.

**Tools Needed:** T40 Torx driver, 10mm socket, wire strippers, and wire crimper



1. On either side of the vehicle, remove the two factory bolts as indicated using a T40 Torx driver.

**Tip:** If you're planning on running wires, you can remove the bottom two bolts to remove the panel completely. Route your wires out next to the windshield hinge, then reinstall the trim piece.



2. Place the included spacers over both mounting points.



3. Align the bracket in place, and use the included OEM-style extended hardware to secure. Repeat for the other side of the vehicle.

# DIODE DYNAMICS

## 2018+ Jeep JL Wrangler

### Hood Light Bar Kit Installation Guide

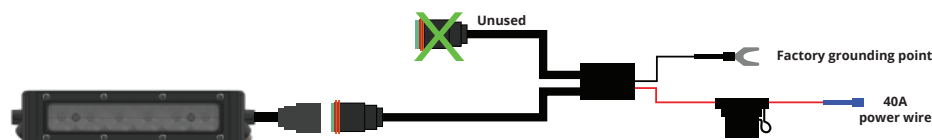


4. Mount your 50" light bar to the brackets using the low profile hex bolts included in the universal mounting bracket box. Secure using a 10mm socket.



### Wiring Instructions

The following instructions are for the included OEM Auxiliary Switch Dual-Output Wiring Harness. This harness is compatible with JL Wranglers with an Auxiliary Switch Bank. If you do not have the Auxiliary Switch Bank, use the included heavy duty harness to mount a switch and connect directly to the battery.



5. Route the included harness to the light bar through the engine bay.

**NOTE:** The harness includes two output connectors. Since you are only installing a single light bar, tuck the second connector away from any moving parts or heat.

## Specifications

| LENS COLOR/OPTICS | PEAK BEAM INTENSITY (CANDELA) | ILLUMINANCE (LUX @ 10M) | MEASURED OUTPUT (LUMENS) | RAW OUTPUT (LUMENS) | OUTPUT COLOR |
|-------------------|-------------------------------|-------------------------|--------------------------|---------------------|--------------|
| White Driving     | 440,000 cd                    | 4,400 lux               | 11,200 lm                | 18,240 lm           | 6000K White  |
| White Combo       | 325,000 cd                    | 3,340 lux               | 11,200 lm                | 18,240 lm           | 6000K White  |
| White Flood       | 16,000 cd                     | 160 lux                 | 11,200 lm                | 18,240 lm           | 6000K White  |
| Amber Driving     | 264,000 cd                    | 2,640 lux               | 6,400 lm                 | 9,120 lm            | 2000K Amber  |
| Amber Combo       | 245,800 cd                    | 2,004 lux               | 6,400 lm                 | 9,120 lm            | 2000K Amber  |
| Amber Flood       | 9,600 cd                      | 98 lux                  | 6,400 lm                 | 9,120 lm            | 2000K Amber  |

Color Temp (CCT): 2000K, 6000K

Beam Angle: Driving, 20°x8°, Combo (Driving and Flood), Flood, 80°x50°

Power (watts): 259

Operating Voltage: 9-16V

Current (amps @ 13.2V): 18.5

Polarity: Polarity Specific

Operating Temperature: -40C to 85C (-40F to 185F)

LED Emitter: Luxeon Z E5

Connector(s): Deutsch DT Input

Materials: Aluminum PCB, Polycarbonate Lens, Aluminum Heatsink

Cooling: Passive, heatsink

Intrusion Ratings: IP68 Waterproof

Product Dimensions (in): 49x3x1.63 If you would like CAD for your project, please contact us.

When it comes to quality off-road lights, Diode Dynamics is the brand you can depend on.