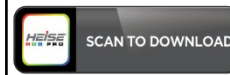


## 9" Premium Chasing LED headlight

Fits: 18+ JL *Wrangler* | 20+ JT *Gladiator*

Visit [HeiseLED.com](http://HeiseLED.com) to view the available installation parts and accessories.

Lighting controller app



### Features:

- Full replacement LED headlight
- Direct bolt-in
- Plugs into OE harness
- Heise connect controller
- Lumens: 4300lm (high), 2100lm (low)

### Heise connect:

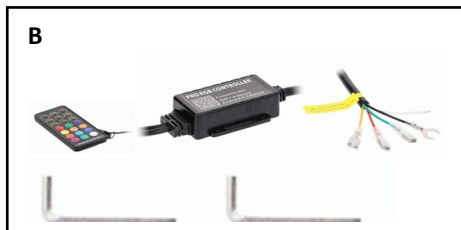
- Addressable LED controller
- Turn signal function
- Card remote
- Able to be grouped with ANY Heise connect controlled products

### Chapters:

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| Disassembly.....       | 3 |
| Wiring details.....    | 4 |
| Wiring with OE AUX.... | 5 |
| Wiring w/o AUX.....    | 6 |
| Assembly.....          | 7 |
| Headlight adjustment.. | 8 |

### What's in the box:

A) 9" Premium reflector headlight B) Heise connect controller, card remote and adjustment hex key



### Recommended Parts: sold separately

- JP-TSH1 (Fender light t-harness)



- JP-APIJT (Accessory power t-harness)



When installing aftermarket headlights on a JL Wrangler or JT Gladiator, where the headlight is also being utilized as a Daytime Running Light (DRL). It is recommended to disable the factory DRL function.

With the Jeep in the ON/RUN position, using the factory screen. Press the Apps button, then press the Settings button on the touchscreen to display the menu setting screen.

Navigate to "Lights" and remove the checkbox from [Daytime running lights].

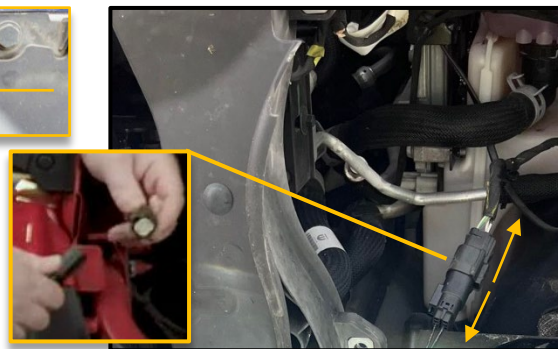


DISCLAIMER: This feature is only allowed by law in the Country/State of the vehicle purchased.

*\*\*This can only be adjusted using the OEM screen. \*\**

### Disassembly:

- Open hood and remove the 6 push pin clips across the top of the grille and remove them with a flat head screwdriver or clip tool.
- Pressure clips will be the only things holding the grille to the Jeep at this point. Pull from the bottom corner of the grille to release the clips and remove grille.
- Remove the (3) 10mm bolts from the headlight bucket; these are used to hold each headlight into the Jeep.
- Unplug and remove the headlight.



### Wiring W/ AUX switches:

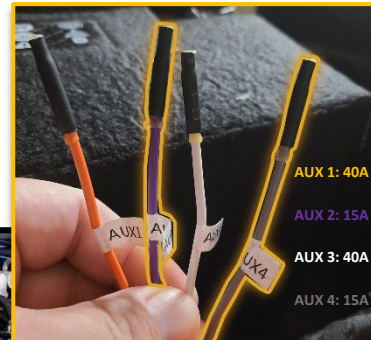
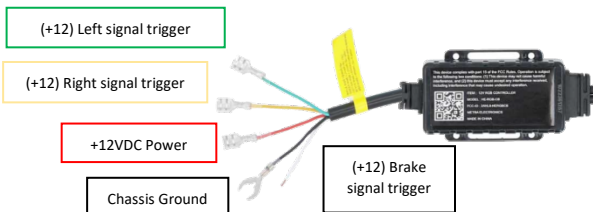
- Locate the OE switch wires under the hood, near the battery.

*NOTE: We recommend using AUX 2 or 4, and reserve the 40A switches for use with Lightbars and Cubes (sold separately).*

- Using a butt-connector and heat shrink tubing (or heat shrink with solder), connect the red wire of the controller to the desired AUX wire.
- Using a 10MM wrench, loosen the nut and attach the black wire on the Heise connect controller to post. Tighten the bolt back down.

*NOTE: We recommend using a JP-TSH1 to connect the turn signal triggers, on the Heise connect controller.*

- Connect the Green wire of the Heise connect controller to the left turn signal.
- Connect the Yellow wire of the Heise connect controller to the right turn signal wire.
- If desired, connect the White wire of the Heise connect controller.



## Wiring W/Out AUX switches:

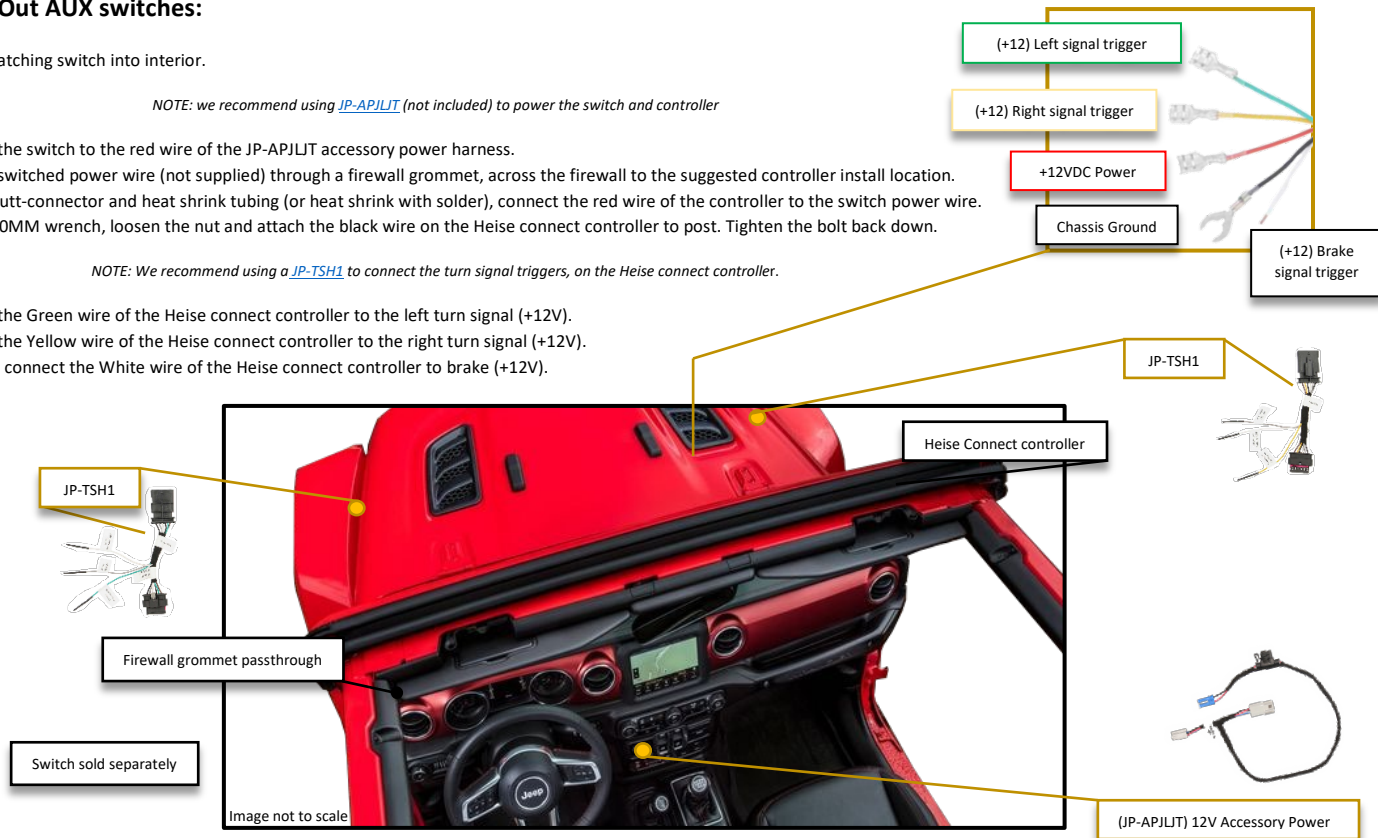
- Install a latching switch into interior.

*NOTE: we recommend using [JP-APJLT](#) (not included) to power the switch and controller*

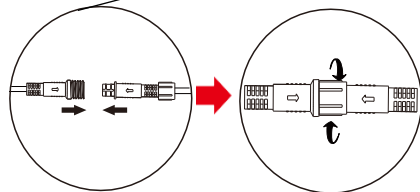
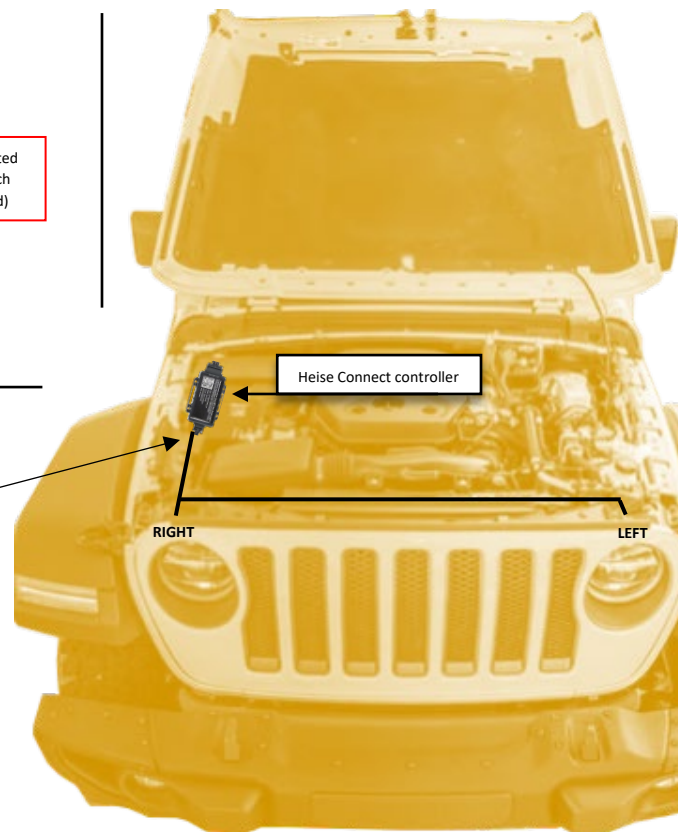
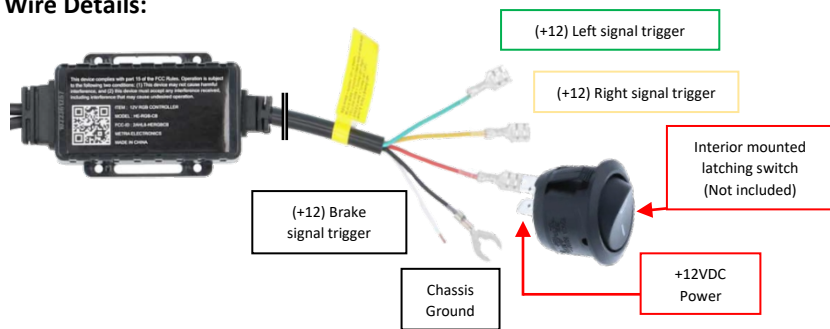
- Connect the switch to the red wire of the JP-APJLT accessory power harness.
- Connect switched power wire (not supplied) through a firewall grommet, across the firewall to the suggested controller install location.
- Using a butt-connector and heat shrink tubing (or heat shrink with solder), connect the red wire of the controller to the switch power wire.
- Using a 10MM wrench, loosen the nut and attach the black wire on the Heise connect controller to post. Tighten the bolt back down.

*NOTE: We recommend using a [JP-TSH1](#) to connect the turn signal triggers, on the Heise connect controller.*

- Connect the Green wire of the Heise connect controller to the left turn signal (+12V).
- Connect the Yellow wire of the Heise connect controller to the right turn signal (+12V).
- Optional, connect the White wire of the Heise connect controller to brake (+12V).

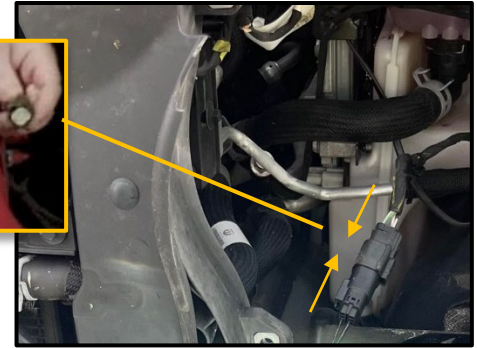
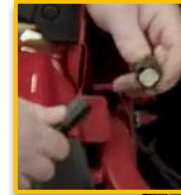


### Wire Details:



### Assembly:

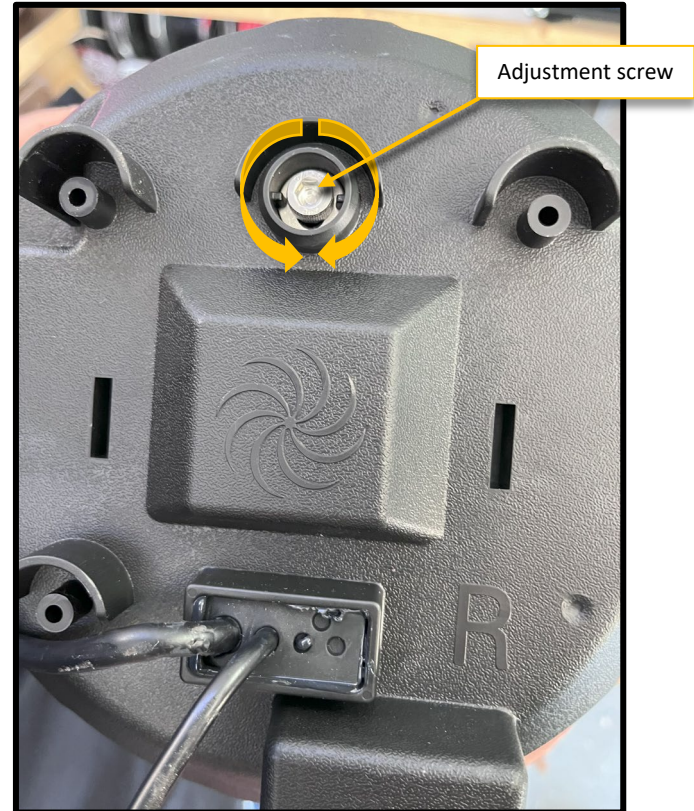
- Connect the new headlight to the Jeeps connector.
- Reinstall the (3) 10mm bolts from the headlight buckets; these are used to hold each headlight into the Jeep on both sides.
- Center the Grille over the face of the Jeep, and push the speed clips into the radiator support.
- Install the 6 push pin clips across the top of the grille and locking into place, pushing center pin into clip.



## Light beam adjustment: overview

We make every effort to ensure proper adjustment is made, however if the Jeep is modified. The factory setting will not work on that vehicle. The following steps will guide you over the headlight adjustment process.

- Adjustment will be made with the light mounted to the Jeep.
- To adjust lights, you will need to reach behind the radiator core support and use the supplied hex key.
- A level surface with a wall to aim the front of the jeep towards.
- Tape to mark your aiming lines.
- A yard stick, level or other straight edge will help, but isn't required to make the necessary adjustments.





### Light beam adjustment: index

- **Beam hotspot**, A beam hotspot is the brightest part of a vehicle headlight beam, designed to illuminate the road ahead at long distances. It helps drivers to see further and improve their reaction time, but should be properly aligned to avoid blinding other drivers.
- **Beam alignment**, alignment point refers to the correct angle and position at which automotive headlights should be adjusted to ensure proper lighting and avoid blinding other drivers on the road.

### Light beam adjustment: setup

- On a flat surface, pull Jeep within 2 foot of the wall that you're going to make our marks with tape. Make sure you have enough space to back up 25 feet after making your aiming marks.



### Light beam adjustment: setup continued

- Create the “y-axis” lines by drawing a line from the ground to the approximate center point of each headlight on the wall, repeating the process for the other headlight.



- To create your X-axis (horizontal) line, make a straight-line using tape by connecting the center points between the headlights.

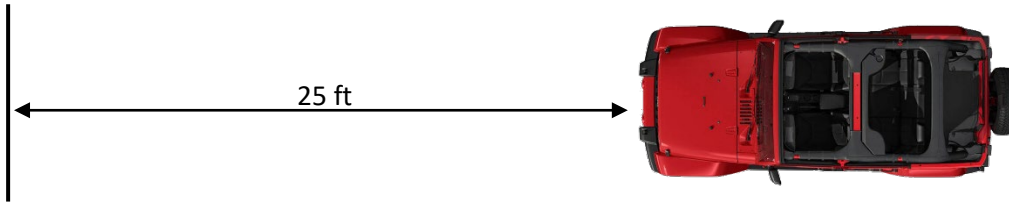
NOTE: A bubble level is useful to ensuring the X-axis is straight.



**Light beam adjustment: setup continued**

Note: The aim of these guidelines is to align the two headlights by positioning the center of the alignment point at the intersection of the horizontal X-axis line that you have marked. This should be done for both headlights.

- Keeping the wheel as straight as possible, back up the jeep 25 feet from the wall.



- Using the hex key, rotate the alignment screw until the beam hot spot is centered on the X-axis line.





Thank you for purchasing your lighting from Metra Electronics! We're excited to see your installs, scan the QR to share on our Instagram. If you have any questions, comments, feedback on the product, please contact our tech support email via [techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com).

Don't forget to Visit [HEISELED.COM](http://HEISELED.COM) to view the available installation parts and Jeep accessories.



**NOTE:** Set pixel count to 91.

Lighting controller app



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