



## BEFORE YOU START

Before you start, make sure you have everything that is needed for the installation. These models require additional parts.\*

<p><b>2010-2018 Wrangler JK</b></p> <p style="text-align: center;"><i>-Any trim</i></p> <ul style="list-style-type: none"> <li>• <u>JP-TSH2</u> (optional) DRL adapter</li> </ul>	<p><b>2010-2018 Wrangler JK</b></p> <p style="text-align: center;"><i>-Hard Rock Rubicon X -10th Anniversary Edition</i></p> <ul style="list-style-type: none"> <li>• <u>JP-TSH2</u> (optional) DRL adapter</li> </ul>	<p><b>2018-Up Wrangler JL</b></p> <p style="text-align: center;"><i>-Any trim</i></p> <p><b>2020-Up Gladiator</b></p> <p style="text-align: center;"><i>-Any trim</i></p> <ul style="list-style-type: none"> <li>• <u>JP-TSH1</u> (optional) DRL adapter</li> <li>• <u>JP-JLB7</u> headlight bracket</li> </ul>	<p><b>2018-Up Wrangler JL</b></p> <p style="text-align: center;"><i>-Sport</i></p> <p><b>2020-Up Gladiator</b></p> <p style="text-align: center;"><i>-Sport</i></p> <ul style="list-style-type: none"> <li>• <u>JP-TSH1</u> (optional) DRL adapter</li> <li>• <u>JP-JLB7</u> headlight bracket</li> </ul>	<p><b>2018-Up Wrangler JL</b></p> <p style="text-align: center;"><i>-Rubicon -Sierra</i></p> <p><b>2020-Up Gladiator</b></p> <p style="text-align: center;"><i>-Rubicon -Sierra</i></p> <ul style="list-style-type: none"> <li>• <u>JP-TSH1</u> (optional) DRL adapter</li> <li>• <u>JP-JLB7</u> headlight bracket</li> </ul>
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\*Please visit [MetraOnline.com](http://MetraOnline.com) for the latest application details.

## GENERAL SPECIFICATIONS

### 7" HEADLIGHTS

- 50 watts each
- Lumen: 3600lm (high beam), 1800lm (low beam)
- Color Temperature: 6500K
- Material: Die-cast aluminum alloy housing
- Lens: Polycarbonate
- IP rating: IP67
- Operating Voltage: 12V
- H4 to H13 connectors included
- Canbus decoders included

### HEISE CONNECT RGB CONTROLLER

- Addressable LED controller
- 24 color changing patterns
- Turn signal halo function (both headlights and fog lights)
- Music sync function
- App controlled (HEISE CONNECT app)
- RF card remote included

Connect controller app



SCAN TO DOWNLOAD

# WRANGLER JK HEADLIGHT REMOVAL

1. Open hood and remove the (6) push pin clips across the top of the grille using a plastic pry tool. (Figure A)
2. Gently lean grille forward to access panel clips at rear bottom of grille. Using a panel pry tool, release grille from clips. (Figure B)
3. Disconnect the left and right turning signal. (Figure C)
4. Remove the (4) T-15 Torx® screws from each headlight retaining ring. New headlights will be secured in place with the factory hardware.(Figure D)
5. Unplug and remove the headlight.
6. Trim off keyway from the factory mounting plate.(Figure E)
7. Connect the included H4 adapter and Canbus decoder to the vehicle harness for each headlight.

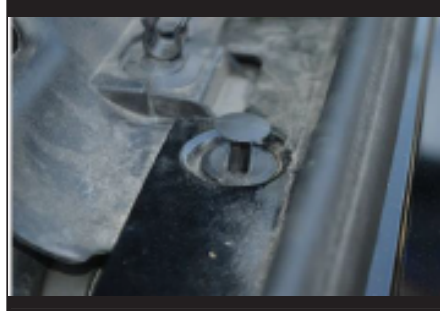


Figure A



Figure B



Figure C



Figure D



Figure E

Continue to installation on page 5.

# WRANGLER JL AND GLADIATOR HEADLIGHT REMOVAL

1. Open hood and remove the (6) push pin clips across the top of the grille using a plastic pry tool. (Figure A)
2. 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. (Figure B)
3. Remove the (3) 10mm bolts from the headlight assembly.
4. Unplug and remove the headlight. Install JP-JLB7 headlight brackets (not included), and plug the H4 to OE adapter into the factory headlight harness (included with JP-JLB7).

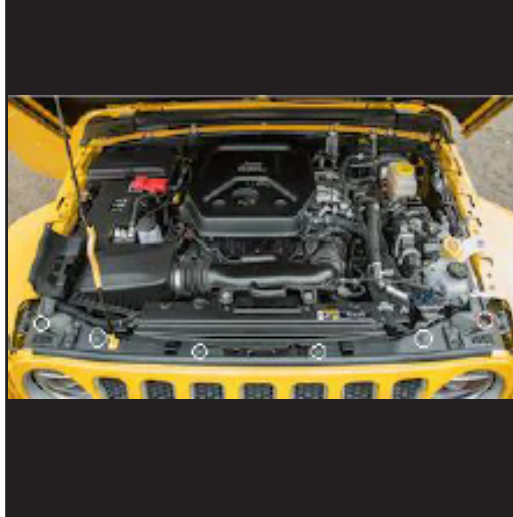


Figure A



Figure B

Continue to installation on page 5.

# INSTALLATION

## Controller

1. Locate a suitable location to mount the Connect RGB controller inside the engine bay.
2. Connect the **BLACK** wire from the controller to chassis ground. There are several factory ground points along the fire wall and sides of the engine bay.
3. Connect the **RED** wire from the controller to a switched +12VDC source. Adding a 10 amp in-line fuse is recommended.
4. A) Using the JP-TSH1 (JL/JT) / JP-TSH2 (JK) (sold separately), connect the controller turn signal wires following the t-harness instructions and diagram on page 7.  
OR  
B) Using a digital multi-meter, locate the +12VDC wire for the left and right turn signals located at the lights. Note the wire colors. Connect the **GREEN** wire from the controller to the left (driver) turn signal wire, and connect the **YELLOW** wire to the right (passenger) turn signal wire.



# INSTALLATION

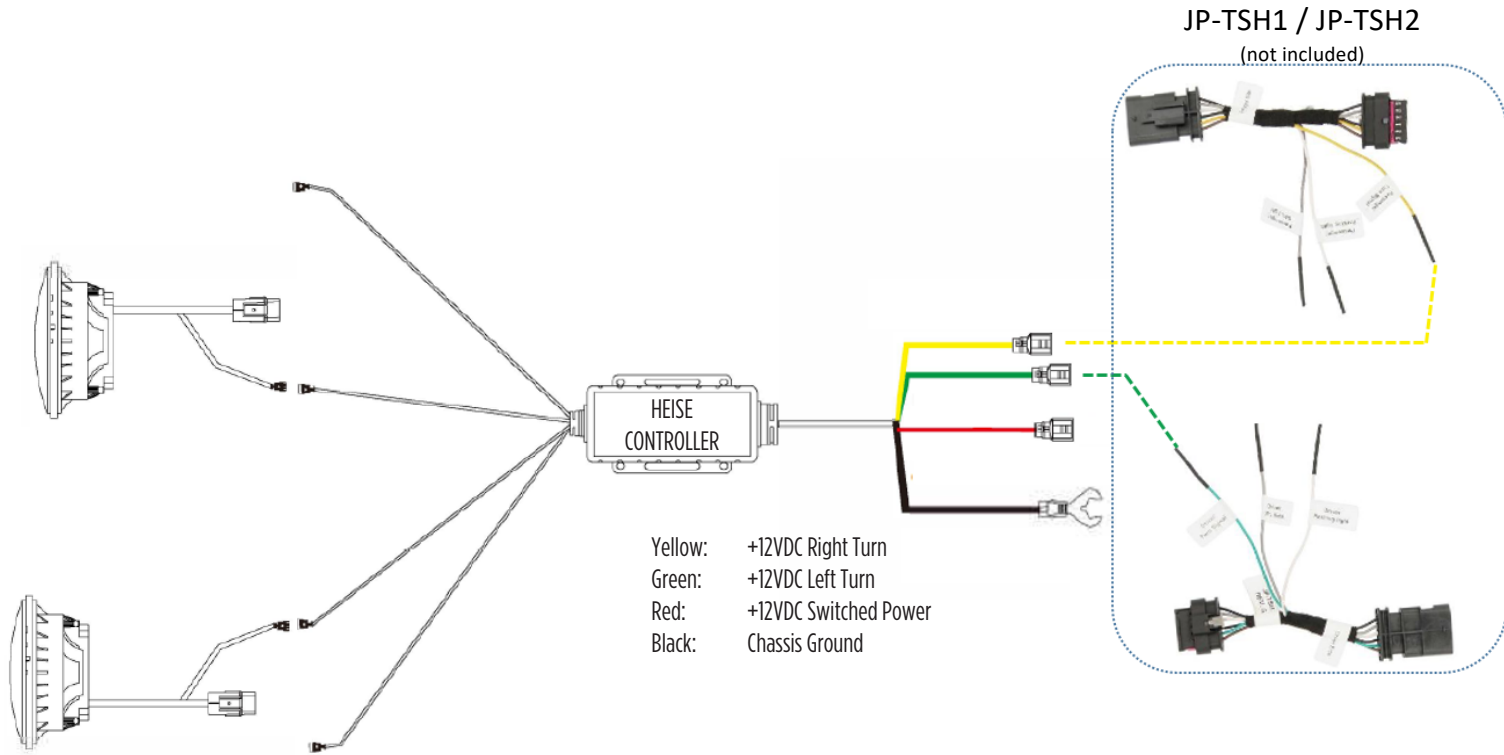
## **Controller to lights**

5. Run the left channel 4 pin cable to the driver side headlight location, making sure to avoid hot surfaces and pinch points. Secure the cables approximately every six inches.
6. Run the right channel 4 pin cable to the passenger side headlight location, making sure to avoid hot surfaces and pinch points. Secure the cables approximately every six inches

## **Connect and test**

7. Connect the 4 pin cable to the new headlight and plug the H4 connector into the vehicle harness or previously installed adapter. Mount headlight into vehicle, then repeat on the other side.
8. Download app (QR code on page 2) for smart phone control, and refer to Heise Connect controller instructions for setup. Controller can also be controlled from RF remote (included).
9. Test the low beam, high beam, turn signals, and RGB functions.
10. Perform any needed adjustments on the new headlights. The adjustment is to properly aim the lights to generate the correct beam pattern. Details on the procedure can be found in the vehicle service manual. There is also support videos on [MetraOnline.com](https://www.metraonline.com).
11. Reinstall any removed panels.

# DIAGRAM





*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](https://HEISELED.COM) to view the available installation parts and Jeep accessories.

