



Part Components

A) Fog Lights



B) Connect RGB Controller



C) Remote and Hardware



Jeep Wrangler 2007-UP\*

Jeep Gladiator 2020-UP\*

4" FOG LIGHTS WITH HEISE CONNECT RGB CONTROLLER

Visit [HeiseLED.com](http://HeiseLED.com) to view the available installation parts and accessories. Watch a Complete Installation of this product on: [youtube.com](http://youtube.com)



Product Features

- RGB LED halos
- Turn signal function
- App and RF remote controlled

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TOOLS REQUIRED

Wrangler JK

- Plastic pry tool
- Plastic pry tool
- 8mm driver
- T-25 Torx® driver

General

- Phillips screw driver
- Crimper
- Stripper
- Pick tool
- Side cutter
- Electrical tape
- Cable ties

Wrangler JL & JT

- Plastic pry tool
- 8mm driver
- T-25 Torx® driver

*Attention! When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.*

## BEFORE YOU START

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

### 2010-2018 Wrangler JK

*-Any trim*

- JP-TSH2 (optional) DRL adapter
- JP-JWFLAH adapter harness

### 2010-2018 Wrangler JK

*-Hard Rock Rubicon X  
-10th Anniversary  
Edition*

- JP-TSH2 (optional) DRL adapter
- JP-JFOG fog light bracket
- JP-JWFLAH adapter harness

### 2018-Up Wrangler JL

*-Any trim*

2020-Up Gladiator  
*-Any trim*

- JP-TSH1 (optional) DRL adapter
- JP-JWFLAH adapter harness

### 2018-Up Wrangler JL

*-Sport*

2020-Up Gladiator  
*-Sport*

- JP-TSH1 (optional) DRL adapter
- JP-JFOG2 fog light bracket
- JP-JWFLAH adapter harness

### 2018-Up Wrangler JL

*-Rubicon*

*-Sierra*

2020-Up Gladiator

*-Rubicon*

*-Sierra*

- JP-TSH1 (optional) DRL adapter
- JP-JFOG fog light bracket
- JP-JWFLAH adapter harness

\*Please visit [MetraOnline.com](http://MetraOnline.com) for the latest application details.

## GENERAL SPECIFICATIONS

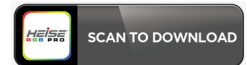
### 4" FOG LIGHTS

- 30 watts each
- Lumen: 1020lm each
- Color Temperature: 6500K
- Material: Die-cast aluminum alloy housing
- Lens: Polycarbonate
- IP rating: IP67
- Operating Voltage: 12V
- Standard 9145 connector

### 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



# WRANGLER JK FOG LIGHT REMOVAL

1. Unscrew the (4) plastic screws securing the OE air dam to the bottom of the front bumper, remove screws and inserts (Figure A)
2. Remove the remaining (2) plastic screws securing the air dam to the lower cross member. (Figure B)
3. Locate the wiring harness plug, lift up the clip and pull connector off of fog light. (Figure C)
4. Remove the (4) screws securing each fog light to the bumper and remove the fog lights. (Figure D)
5. For 2007-2009 Wrangler continue to installation on page 7.
6. For 2010-2018 Wrangler plug JP-JWFLAH (not included) into factory harness.
7. Continue to installation on page 5.



Figure A



Figure B

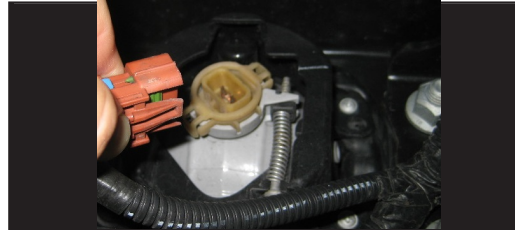


Figure C

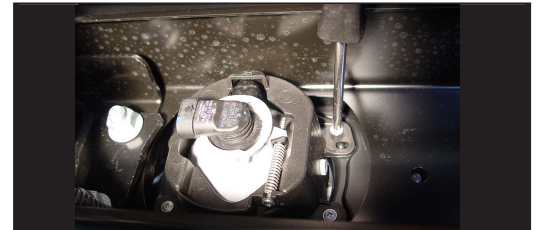


Figure D

# WRANGLER JL AND GLADIATOR FOG LIGHT REMOVAL

- Using pry tool lift insert from center of clip, remove the (8) inserts and clips from lower air dam. (Figure A)
- Remove the (2) 8mm retainer bolts from the lower air dam. (Figure A)
- Remove splash guard/bumper cover*
  - Sport - splash guards. (Figure B)  
Remove  
(1) 8mm bolt, and (6) T-25 Torx® screws from bumper splash guards. (Figure C)
  - Rubicon / Sierra - bumper cover.  
Using pry tool to remove 6 panel clips.
- Removing the fog lights*
  - Rubicon  
Remove (4) 8mm screws holding light in, and disconnecting harness. (Figure D)
  - Sport  
Remove (3) T-25 Torx® screws holding fog light bracket on. (Figure E)
- Plug JP-JWFLAH (not included) into factory harness.
- Continue to installation on page 5.



Figure A



Figure B



Figure C



Figure D



Figure E

# 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

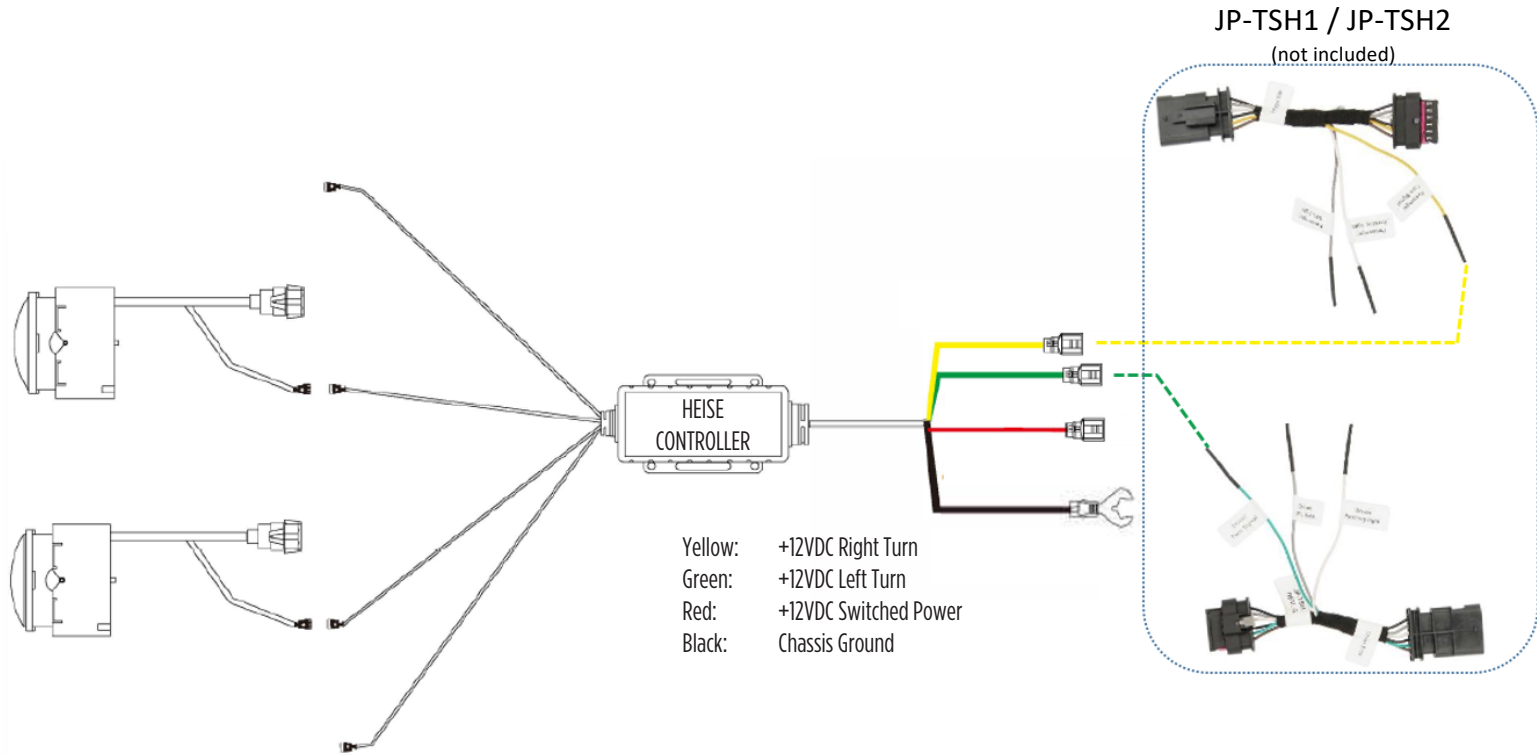
## **Controller to lights**

5. Run the left channel 4 pin cable to the driver side fog light 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 fog light 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 fog light and plug the 9145 connector into the vehicle harness or previously installed adapter. Mount fog light 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 fog beam, turn signals, and RGB functions.
10. Perform any needed adjustments on the new fog lights. 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](http://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.

