



Jeep Wrangler 2007-UP\*

Jeep Gladiator 2020-UP\*

## 7" HEADLIGHTS WITH CHASING CONTROLLER

\*JK models with factory LED headlights are not compatible with this product.

### Product Features

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

### Part Components

A) Headlight set



B) Chasing Controller



C) Remote and Hardware



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### TOOLS REQUIRED

#### Wrangler JK

- Plastic pry tool
- T-15 Torx® driver

#### Wrangler JL & JT

- Plastic pry tool
- 10mm driver

#### General

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

*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.\*

2018-Up Wrangler JL - Any trim      2020-Up Gladiator - Any trim

- JP-JLB7 headlight bracket
- JP-TSH1 (optional) DRL, parking light, and turn signal T-harnesses

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

## GENERAL SPECIFICATIONS

### 7" HEADLIGHTS

- 49 watts each
- Lens: Polycarbonate
- Lumen: 3000lm (high beam), 1900lm (low beam)
- IP rating: IP67K
- Color Temperature: 6500K
- Operating Voltage: 12V
- Material: Die-cast aluminum alloy housing
- H4 to H13 connectors included

### CHASING CONTROLLER

- Addressable LED controller
- 170+ color changing patterns
- Turn signal halo function
- DIY pattern and music sync function
- App controlled
- RF card remote included



download app

# 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.
8. Continue to installation on page 5.

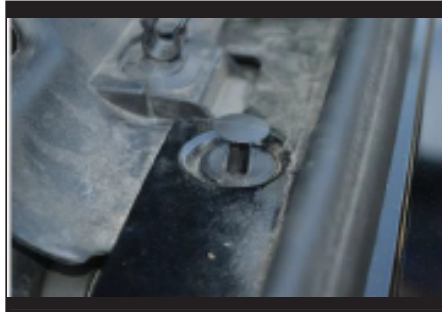


Figure A



Figure B



Figure C



Figure D



Figure E

# 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.
5. Install JP-JLB7 headlight brackets (not included), and plug the H4 to OE adapter into the factory headlight harness (included with JP-JLB7).
6. Continue to installation on page 5.

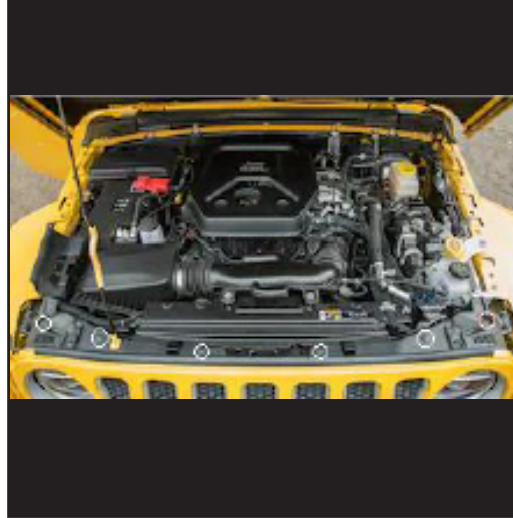


Figure A

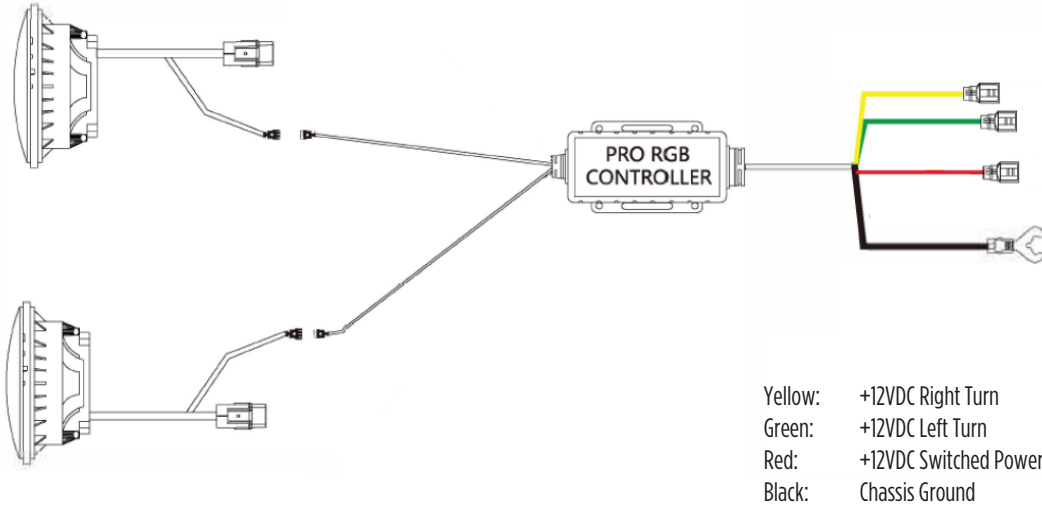


Figure B

# INSTALLATION

1. Locate a suitable location to mount the Pro Chasing 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. **On 2018-Up Wrangler JL and 2020-Up Gladiator, using the JP-TSH1 (sold separately) will provide an easy light switch controlled power source, and connections for turn signal triggers.**
4. 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 to the right (passenger) turn signal wire.
5. Run the left channel 4 pin cable to the driver side headlight, 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, making sure to avoid hot surfaces and pinch points. Secure the cables approximately every six inches.
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 back cover of instructions) for smart phone control, and refer to Pro Controller instructions for setup. Pro Controller can also be controlled from RF remote (included).
9. **In the app set the chase pixel count to 77.**
10. Test the low beam, high beam, turn signals, and chasing functions.
11. 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).
12. Reinstall grille.

# DIAGRAM



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IMPOTANT: Document date of purchase, and place of purchase.

Date: \_\_\_\_\_

Place of Purchase: \_\_\_\_\_

Install Notes: \_\_\_\_\_

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*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).*

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