



Jeep Wrangler 2007-UP*
 Jeep Gladiator 2020-UP*
**7" PROJECTOR HEADLIGHTS & 4" FOG LIGHTS
 WITH PRO 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 & Fog Light Set B) Pro Chasing Controller C) Remote and Hardware



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TOOLS REQUIRED

Wrangler JK	General
• Plastic pry tool	• Phillips screw driver
• T-15 Torx® driver	• Crimper
Wrangler JL & JT	• Stripper
• Plastic pry tool	• Pick tool
• 8mm driver	• Side cutter
• 10mm driver	• Electrical tape
• T-25 Torx® driver	• 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.*

<p>2010-2018 Wrangler JK</p> <p><i>-Any trim</i></p> <ul style="list-style-type: none"> • JP-JWFLAH adapter harness 	<p>2010-2018 Wrangler JK</p> <p><i>-Hard Rock Rubicon X</i> <i>-10th Anniversary Edition</i></p> <ul style="list-style-type: none"> • JP-JFOG fog light bracket • JP-JWFLAH adapter harness 	<p>2018-Up Wrangler JL</p> <p><i>-Any trim</i></p> <p>2020-Up Gladiator</p> <p><i>-Any trim</i></p> <ul style="list-style-type: none"> • JP-JLB7 headlight bracket • JP-LAH1 (optional) DRL adapter • JP-JWFLAH adapter harness 	<p>2018-Up Wrangler JL</p> <p><i>-Sport</i></p> <p>2020-Up Gladiator</p> <p><i>-Sport</i></p> <ul style="list-style-type: none"> • JP-JLB7 headlight bracket • JP-LAH1 (optional) DRL adapter • JP-JFOG2 fog light bracket • JP-JWFLAH adapter harness 	<p>2018-Up Wrangler JL</p> <p><i>-Rubicon</i> <i>-Sierra</i></p> <p>2020-Up Gladiator</p> <p><i>-Rubicon</i> <i>-Sierra</i></p> <ul style="list-style-type: none"> • JP-JLB7 headlight bracket • JP-LAH1 (optional) DRL adapter • JP-JFOG fog light bracket • JP-JWFLAH adapter harness
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*Please visit MetraOnline.com for the latest application details.

GENERAL SPECIFICATIONS

7" HEADLIGHTS

- 50 watts each
- Lens: Polycarbonate
- Lumen: 4200lm (high beam), 3200lm (low beam)
- IP rating: IP68
- Color Temperature: 6500K
- Operating Voltage: 10-32V
- Material: Die-cast aluminum alloy housing
- H4 to H13 connectors included
- Canbus decoders included

4" FOG LIGHTS

- 30 watts each
- Lumen: 3600lm
- Color Temperature: 6500K
- Material: Die-cast aluminum alloy housing
- Lens: Polycarbonate
- IP rating: IP68

PRO CHASING CONTROLLER

- Addressable LED controller
- 170+ color changing patterns
- Turn signal halo function (both headlights and fog lights)
- DIY pattern and music sync function
- App controlled (Pro RGB app)
- RF card remote included

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 fog light removal on page 4.

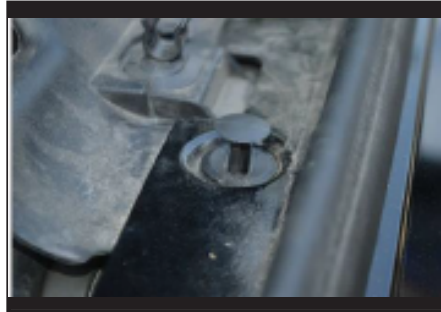


Figure A



Figure B



Figure C



Figure D



Figure E

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 7.

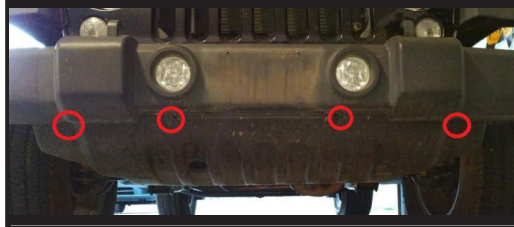


Figure A



Figure B

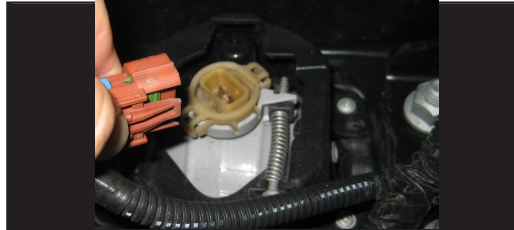


Figure C

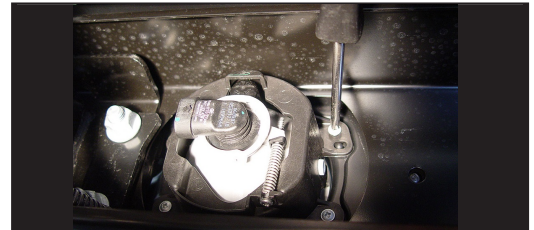


Figure D

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 fog light removal on page 6.

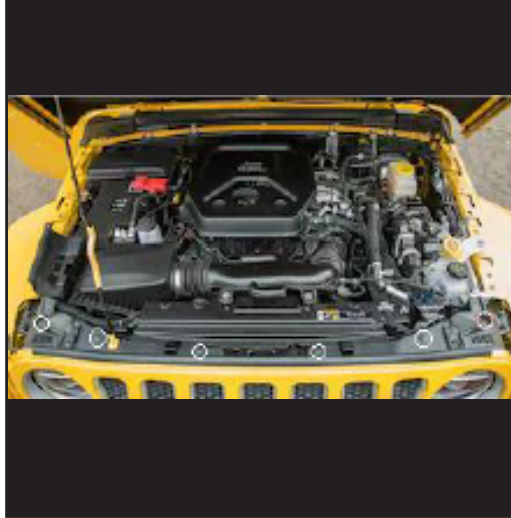


Figure A



Figure B

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 7.



Figure A



Figure B



Figure C



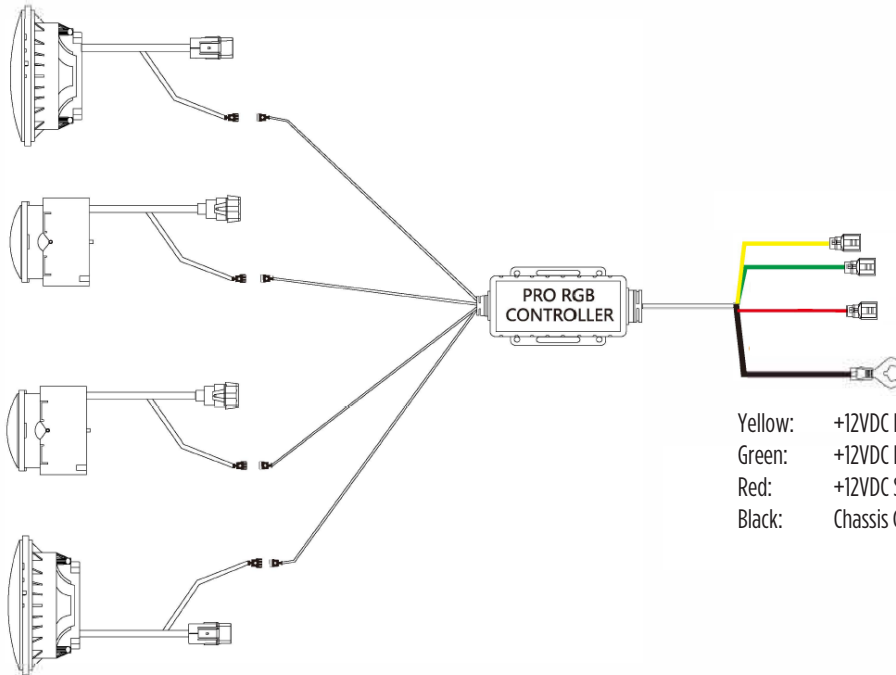
Figure D



Figure E

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-LAH1 (sold separately) will provide an easy light switch controlled power source.
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 cables to the driver side headlight and fog light locations, making sure to avoid hot surfaces and pinch points. Secure the cables approximately every six inches.
6. Run the right channel 4 pin cables to the passenger side headlight and fog light locations, 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. 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.
9. 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).
10. Test the low beam, high beam, turn signals, and chasing functions.
11. Perform any needed adjustments on the new headlights and 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](https://www.metraonline.com).
12. Reinstall grille and any other removed panels.



Yellow: +12VDC Right Turn
Green: +12VDC Left Turn
Red: +12VDC Switched Power
Black: Chassis Ground

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