

GRAVITY® LED 7" HEADLIGHT & GRAVITY® LED 7" PRO HEADLIGHTS

At the center of KC's new [Gravity® LED 7" Headlight](#) is our patented Gravity GRD™ (Gravity Reflective Diode) technology, which is engineered to maximize every lumen emitted from the LED. By directing the LEDs back into the optical reflectors at the most ideal angles we achieve maximum light output at a fraction of the wattage. This proprietary technology provides a highly functional beam shape with extraordinary beam distance.

- Patented [Gravity Reflective Diode \(GRD\)](#) Technology
- Precision die-cast aluminum housing with machined polished reflector optics, engineered to improve distance, visibility and clarity
- Easy Plug-n-Play for 07-16 Jeep JK/JKU Wrangler
- DOT Compliant Low Beam, High Beam and Daytime Running Lights
- Hard coated Polycarbonate lens for optical clarity and maximum light output



The [Gravity LED Pro 7"](#) headlight uses KC's patented Gravity Projector Optics (GPO). Utilizing this proprietary projector optics technology in addition to the GRD optics, KC engineers were able to deliver a more controlled beam pattern while setting new industry standards in light shape, clarity and output.

- Patented [Gravity® Projector Optic \(GPO\)](#)
- Precision Die-Cast Aluminum Housing w/ Hard Coated Polycarbonate Lens
- KC Engineered Polished Reflector Optics
- Full Plug-n-Play for 07-16 Jeep JK/JKU Wrangler
- DOT Compliant Low Beam, High Beam and Daytime Running Lights
- Hard coated Polycarbonate lens for optical clarity and maximum light output



SAFETY WARNING

KC takes extreme measures to engineer lighting products with the most advanced features available in the industry. All of our products are fully tested in rigorous conditions and with proper care and installation that will last you a lifetime.



WARNING

The OEM H13 connectors are fragile, break often and need to be handled with care. Defective, damaged or even dirty OEM H13 connectors can cause connectivity issues that will resemble flickering or worse, no light at all coming from the headlights. If your OEM H13 connectors are damaged or not working, please have them replaced by an authorized dealer or professional using MOPAR H13 Rebuild Kit Part #68064997-AA.

- For more details, tips and troubleshooting on the OEM H13 connector please visit <http://support.kchilites.com>.
- KC's 23-Year Warranty offers a guarantee from manufacturers defects from the optics, electronics and workmanship of the LED Headlight. For more details about our Warranty Policy please visit <http://www.kchilites.com/warranty>.

PRODUCT REGISTRATION

Thank you for becoming part of the KC HiLiTES family and purchasing one of our premium KC products! With over 45 years of history in the auxiliary lighting market, you have become a part of our ever growing family, and we encourage you to register your product online at <HTTP://REGISTER.KCHILITES.COM> to ensure you get all the benefits of owning a KC HiLiTES product.

- **Receive a unique serial number certifying your purchase**
- **Fast and Easy Returns and Warranties**
- **Special offers and promotions**
- **Exclusive access to industry events**

GRAVITY LED 7" HEADLIGHT OVERVIEW

The all-new Gravity® LED 7" Headlight for Jeep JK/JKU's is DOT compliant and features patented GRD LED technology, High/Low beams with built-in DRL, and built-in anti-flicker capacitors. KC's patented optics produce visibility and clarity second to none.

KC's Gravity LED Pro 7" Headlight for Jeep JK/JKU's features an additional Projector Optic in addition to the GRD Reflector Optics. The Projector Optics offers enhanced beam shape and optical clarity.

APPLICATION TABLE

Vehicle Specific Applications

KC's Gravity LED Headlights are designed to fit Jeep JK/JKU's using plug-n-play cables that connect directly to your OEM connectors. From fit to function our 7" Headlights have been thoroughly road tested and produce the best optical beam output, shape and clarity.

Vehicle	KC 7" LED Headlight Options
Jeep JK/JKU (2007-2016) DOT Compliant (North America & Canada)	#42351 GRAVITY® LED 7" HEADLIGHT PAIR PACK SYSTEM #42341 GRAVITY® LED PRO 7" HEADLIGHT PAIR PACK SYSTEM
Jeep JK/JKU (2007-2016) ECE Compliant (Europe)	Available in 2017

TOOLS NEEDED FOR INSTALLATION

Philips head screwdriver



Flat head screwdriver



T15 Torx screwdriver



GRAVITY LED 7" HEADLIGHT INSTALLATION

INSTALLING THE 7" LED HEADLIGHT TO YOUR VEHICLE



1. Open your hood

Release the two latches on the front of your hood, raise the hood up and secure in place with the hood prop.



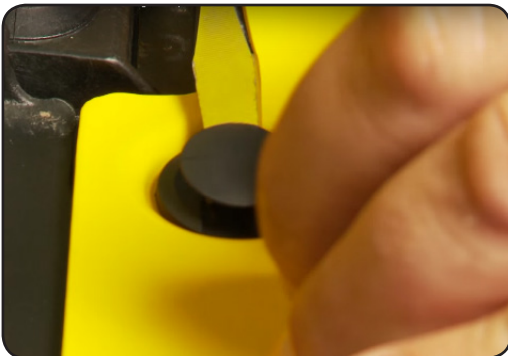
2. Locate turn signal connectors

Locate the Turn Signal Wire Harness behind the grill through the wheel well and unlock the connector by pulling out the red locking tab.



3. Disconnect turn signals

Unplug the connector by pressing and holding the release tab down while you pull it out. Repeat steps 2-3 for other side.



4. Remove plastic screws

Using the Flathead Screwdriver, remove the (6) Plastic Retainer Screws located along the top of the grill by lifting the plastic pins and gently prying the tabs out. (For older model JKs, it will require using a Philips Screwdriver to unscrew.)

GRAVITY LED 7" HEADLIGHT INSTALLATION



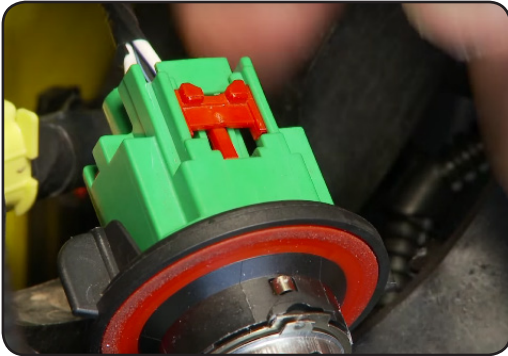
5. Remove Jeep grille

Remove the Jeep Wrangler Grille by firmly pulling on the lower part of the grille until the retainer clips break free of the chassis. *Tip: There are (6) retainer clips. (1) Located above each L/R turn signal and (5) located along the bottom of the lower radiator support.*



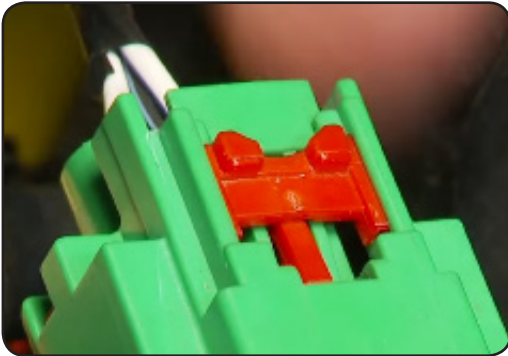
6. Remove retaining ring screws

Using the T15 Torx Driver: Remove the (4) retaining ring screws holding the headlight assembly in place.



7. Disconnect OEM H13 connector

Pull headlight assembly out to expose the wire harness with connector. Unplug the headlight by unlocking the connector by sliding out the red locking tab, press and hold the release tab and disconnect the connector.



7.1 Use Caution!

To reiterate (to keep any damage from happening to the OEM connector), you need to release/slide the red locking tab in order for the connector to be able to disconnect.



8. Remove retaining ring

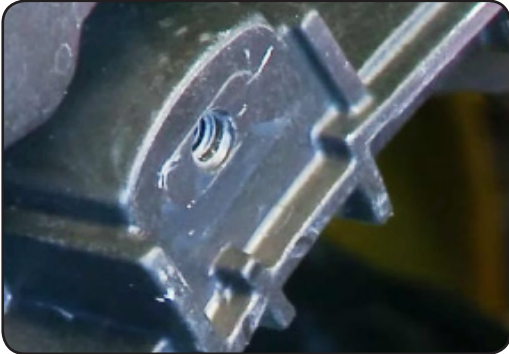
Separate the Retainer Ring from the OEM Headlight and discard OEM Headlight.

GRAVITY LED 7" HEADLIGHT INSTALLATION



9. Connect new headlights

Take the KC Gravity Headlight and Connect it to the OEM H13 connector.



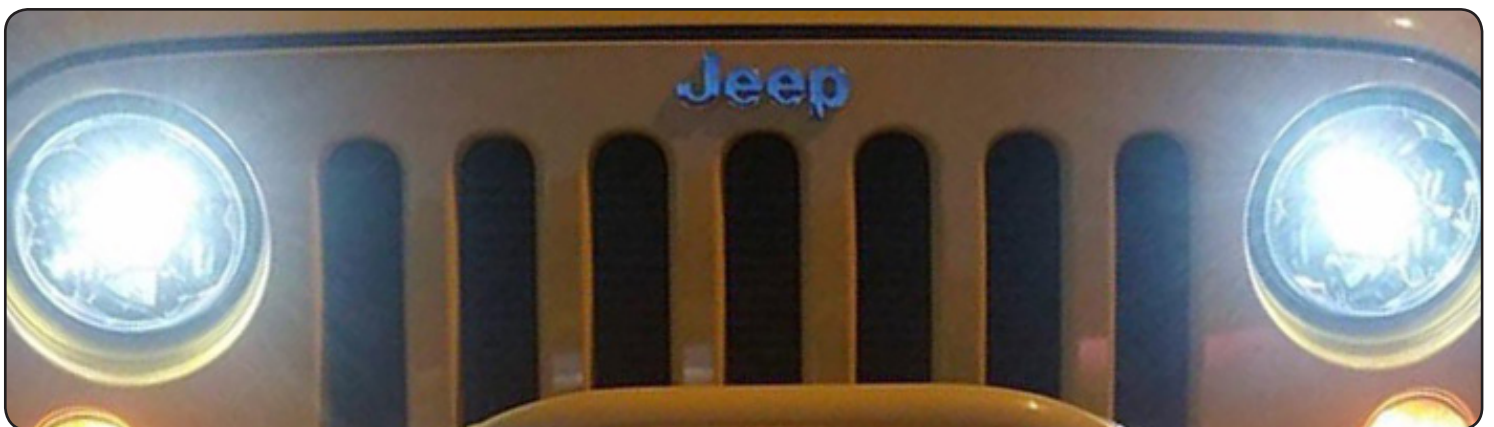
10. Align and secure

The KC Gravity LED Headlight is indexed to align with the Jeep Wrangler Headlight Housing. Make sure the indexed tabs are properly aligned before screwing the retainer ring back into place using the original T15 Retainer Ring Screws.



11. Reassemble

Re-install the Jeep Wrangler Grille by following Steps (1-7) in reverse order.



12. Power on and test

Turn your vehicle on and check the low beam and high beam functions before entering public roadways.