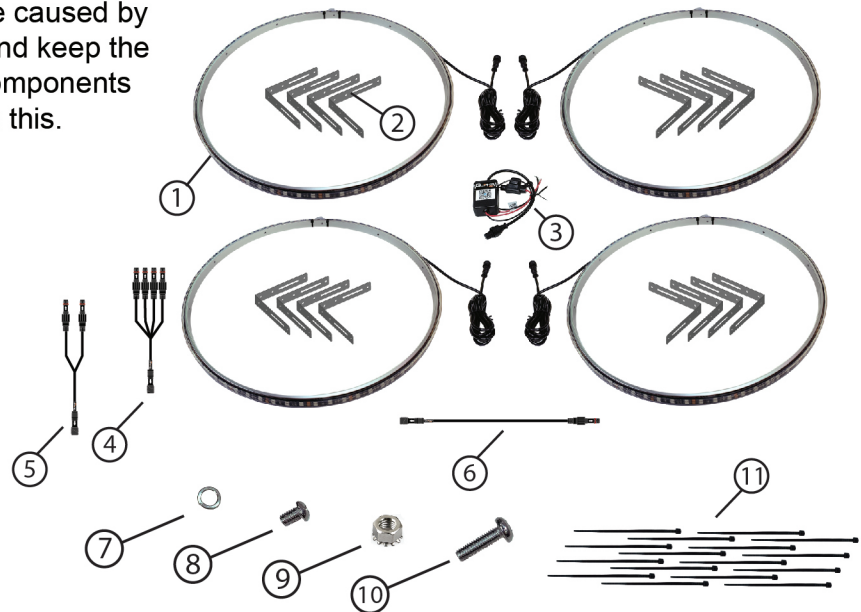




## INTRODUCTION:

Thank you for purchasing our Universal LED RGB Wheel Ring Light Kit. Carefully remove all the components and examine for any missing parts or visible damage caused by shipping and report any damage to the carrier and keep the shipping package. Take a good look at all the components so you are familiar with them before digging into this.



### REQUIRED TOOLS :

- Phillips Screwdriver
- Power Drill
- 6mm Drill Bit
- Wire Cutter and Crimps
- Various Tools to Remove Brake Components
- Jack and Jack Stands
- Tape Measure
- Safety Gloves
- Center Punch or Felt-tip Marker
- Protective Eye wear

### PARTS LIST:

1. LED WHEEL RING LIGHT x4
2. MOUNTING BRACKETS x16
3. BLUETOOTH RGB CONTROLLER x1
4. RGB 1 TO 4 SPLITTER x1
5. RGB 1 TO 2 SPLITTER x1
6. RGB 9 FOOT EXTENSION x1
7. M4 SPLIT WASHER x16
8. M4 X 6MM BOLT x16
9. M4 KEPS LOCK NUT x16
10. M4 X 12MM BOLT x16
11. CABLE ZIP TIES x20

Record any serial no. here \_\_\_\_\_

## WARNING:

Read all instructions and warnings before installing and using.  
**INSTALLER:** This manual must be delivered to the end user of this equipment.



NOTE: THIS UNIVERSAL KIT WILL FIT MANY DIFFERENT VEHICLES AND INVOLVES **MAJOR VEHICLE MODIFICATION** AND REQUIRES MECHANICAL SKILLS. PART OF THE BRAKE SYSTEM WILL HAVE TO BE REMOVED AND REINSTALLED DURING THE INSTALLATION OF THE LIGHT KIT. FUTURE SERVICE OF THE BRAKE SYSTEM WILL REQUIRE REMOVAL OF THE KIT. IF YOU ARE NOT CONFIDENT IN YOUR SKILLS, CONTACT A PROFESSIONAL INSTALLER. THE IMPROPER INSTALLATION OF THIS KIT WILL VOID ALL WARRANTIES.

**CHECK YOUR STATE AND LOCAL LAWS** BEFORE INSTALLING THIS LED WHEEL RING KIT. EVERY STATE HAS DIFFERENT POLICIES AND LAWS IN PLACE REGARDING AFTERMARKET VEHICLE ACCESSORIES. QUAKE LED IS NOT RESPONSIBLE FOR ANY FINES THAT YOU MAY OCCUR WHILE USING THIS LIGHTING KIT. THIS KIT IS FOR OFF-ROAD AND SHOW USE ONLY.

THE ROTOR DIAMETER MUST BE 13.5" OR SMALLER AND THE WHEEL DIAMETER 18" OR LARGER FOR THE 14" KIT.

THE ROTOR DIAMETER MUST BE 15" OR SMALLER AND THE WHEEL DIAMETER 20" OR LARGER FOR THE 15.5" KIT.

INCLUDE YOUR CALIPER WHEN MEASURING FOR FITMENT AS LARGER CALIPERS MAY INTERFERE WITH WHEEL RING MOUNTING. PRIOR TO INSTALLATION, ENSURE THE VEHICLE HAS BRAKE DUST SHIELDS THAT ARE IN GOOD CONDITION BEHIND THE ROTORS.

## INSTALLATION

Step 1. Temporarily connect the Bluetooth RGB Controller, Wheel Rings and the RGB Splitter to a 12-volt power source and test for full functionality prior to installation. This will give you a great understanding of the product before you touch the vehicle. Go to Step 21 to get the Bluetooth Controller App.

Step 2. Once you are ready to install. Disconnect the negative side of the vehicle's battery.

Step 3. Using a floor jack and jack stands, or an automotive lift, safely raise and support the vehicle.

Step 4. Remove the wheels from the vehicle. It is easier to take all 4 wheels off at the same time to install this wheel ring kit although it is not necessary by any means.

Parts Diagram is for Illustration Only and NOT to SCALE



LIGHT UP THE DARKNESS



Step 5. Inspect the dust shields and test fit the wheel ring to ensure you will have proper clearance from all moving parts, as well as the brake caliper. You should begin to figure out where mount the 90 degrees angle brackets (Part #2) at this point. There are extra pre-tapped holes on the wheel ring which will allow you to adjust the location of the mounting brackets that best fits your vehicle.

Step 6. Remove the brake caliper and brake rotor in order to gain complete access to the brake dust shield. Remove the caliper bolts and secure the caliper so that it does not fall or bend brake lines. Do not remove the brake line from the caliper. Remove the rotor and set aside.

Step 7. All mounting brackets (Part #1) must be mounted to the backside of the dust shield. All mounting hardware must go through the dust shield from the front and into the wheel ring bracket. **Ensure there is enough clearance** between the mounting screw head and the brake rotor. Every vehicle is different and additional modification and adjustments of the brackets may be necessary for clearance of brake and suspension components.

Step 8. The mounting brackets will be installed behind the dust shield using the included M4 Mounting Hardware. Mark the hardware mounting locations on the brake dust shield with a marker and a punch. Drill the necessary 4mm hole for the hardware to go through. Again, ensure there is proper clearance between the rotor and the hardware you are using, and install these brackets to the brake dust shield. Not all brackets are going to be used, but be sure to use at least 3 brackets in order to keep the ring secure.

These lock nuts have a built in lock washer and the washer should be placed against the dust shield. **MAKE SURE** you tighten this hardware very tight as retighten these later requires you to remove the wheel, caliper and rotor again. We recommend using a Loctite hardware anti-loosening agent to further keeping them tight.

Step 9. Ensure the RGB wire is in a upward position facing forward. Check to ensure you have maintained clearance from the caliper and any moving parts.

Tip : When the ring is mounted there should be a minimum of a 1/4" gap between the caliper and the wheel ring.

Step 10. Once clearance is verified, continue to mount and tighten the brackets to the dust shield using the included hardware.

Step 11. Run the RGB wires towards the area you will mount the bluetooth RGB controller. **MAKE SURE** that you connect the RGB wires, Arrow to Arrow when connecting. Use wire ties to keep the wires away from moving parts and heat. Ensure there is at least 6 inches between any moving parts or heat sources and the wheel ring wires.

Step 12. Repeat installation steps 8-11 for the remaining 3 wheels.

Step 13. Once all wheel rings are installed, reinstall any brake components that were removed. Torque all brake components to manufacturer specifications.

Step 14. Reinstall the wheels. Rotate the wheel to ensure your rim and wheel ring have proper clearance, paying close attention to the location of any wheel balance weights that might have been installed.

Step 15. Safely lower the vehicle



Use the split washer

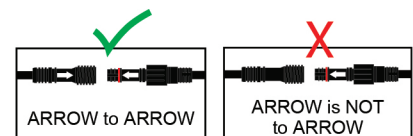


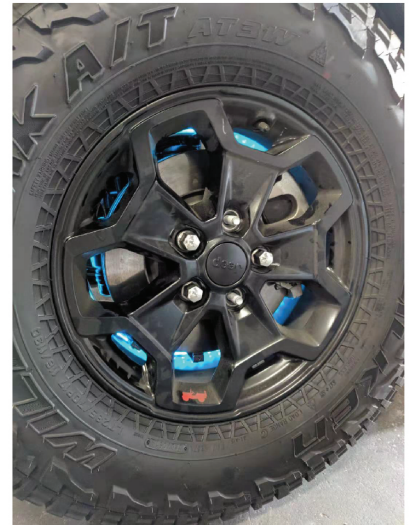
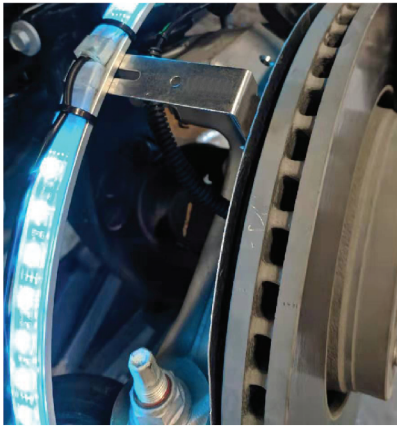
90 Deg brackets are mounted on backside of the dust shield



Washer goes against the dust shield

ALIGN ARROWS before engaging RGB connectors





## Bluetooth Controller

Step 16. Connect the Bluetooth's red power wire to a positive (+) 12 volt source.

Tip: When connected to a constant source, you will need to physically turn the wheels lights off via the Bluetooth App or switch on/off every time as it will not shut off when your vehicle does.

If you are running the wires to your vehicle's battery, the wires must go through the firewall by using an existing grommet or by drilling a hole and adding a new grommet. Grommet's are available at any auto parts store.

Be sure to use 16 or 18 gauge automotive grade wiring if you need to extend the red and black wires. Be sure to install the fuse within 6 inches of the battery so it is easy to find.

DO NOT EXTEND the RGB wires by yourself. We have many RGB extension wires available in various lengths.

Step 17. Connect the black wire to a suitable, unpainted metal surface under the dash at any main bracket or grounding block. If you are connecting the wires to your vehicle's battery, connect the black wire to the negative (-) terminal of the battery or any engine ground.

Step 18. Reconnect the battery.

Step 19. Test for operation.



Step 20. Now that you have your new Quake LED Wheel Ring Kit installed, wires routed and wire connectors assembled, it's time to download and install the Android or iPhone App in order to control your RGB colors. You will need to use this App to scan for the wheel rings in order for the App to control the RGB accenting. Scan the QR Code that will work with your smart phone. You will need to use the App to scan for the App to control the lights. You **MUST USE THIS App** and only this App. No other App will work!

Step 21. Once you successfully scan the QR Code, a new window will automatically open and confirm that you want to download the App from the App store. Click yes and allow the app to download to your phone. After successfully downloading the App, turn on your smart phone Bluetooth function and open the App.





# UNIVERSAL LED RGB WHEEL RING LIGHT KIT INSTRUCTIONS

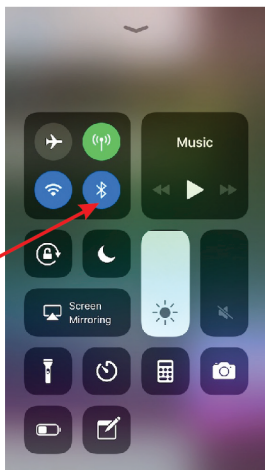
QTE994  
QTE995  
QTE344



14"  
15.5"  
17"

VER: 20-1

## 1 BLUETOOTH ON



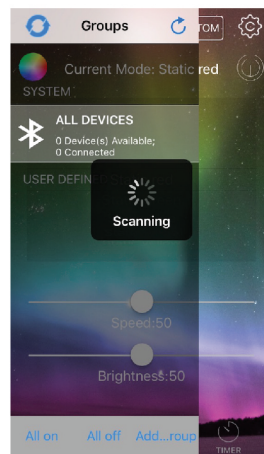
Bluetooth Accent Controller must be switched on

## 2 TURN APP ON



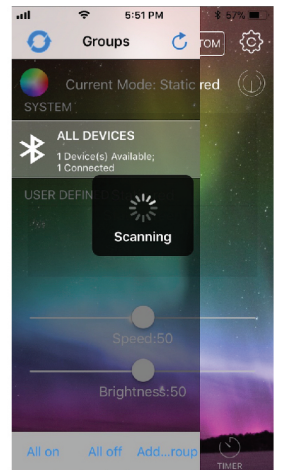
Open the App on your smart phone

## 3 SCANNING



Wait while it automatically scans for the controller

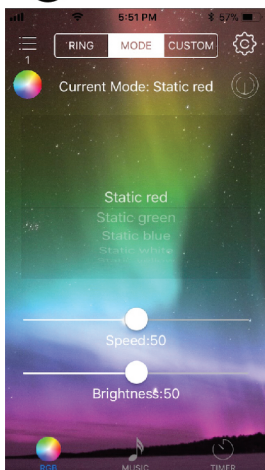
## 4 CONNECTED



Once found, it will automatically connect

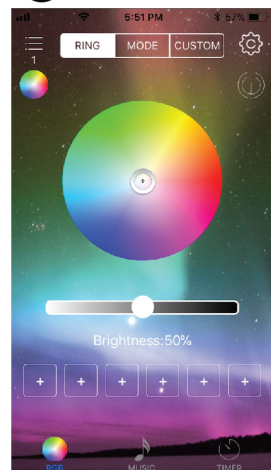
The real fun begins when you have successfully connected the App to the headlights. Now you can pick and choose which colors you want your headlights to accent and you can program your own colors.

## 6 MODE MENU



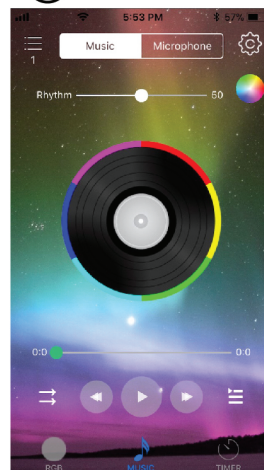
Choose colors, adjust speeds and adjust accent brightness

## 7 COLOR MENU



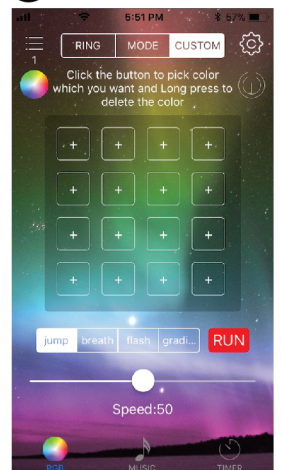
Custom pick your accent color and brightness

## 8 MUSIC MENU



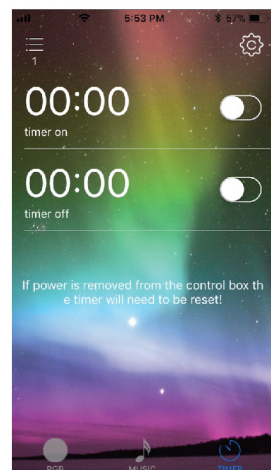
Sync accent colors to your music

## 9 DIY COLOR MENU



Create and save your own colors and effects

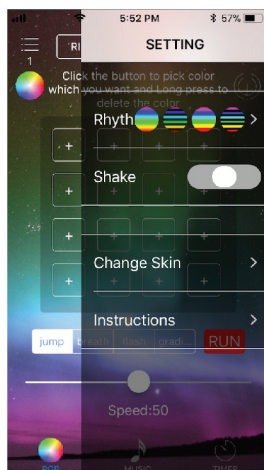
## 10 TIMER MENU



If your controller is wired directly to your battery, use a timer to turn on and off your accent lights.

Play around with the timer function first and get familiar with the timer setting before leaving your vehicle's accent lights on unattended. (you might come back to a dead battery)

## 11 SETTINGS



Go to the settings menu to change your skin graphic, pick some flash effects and read more instructions

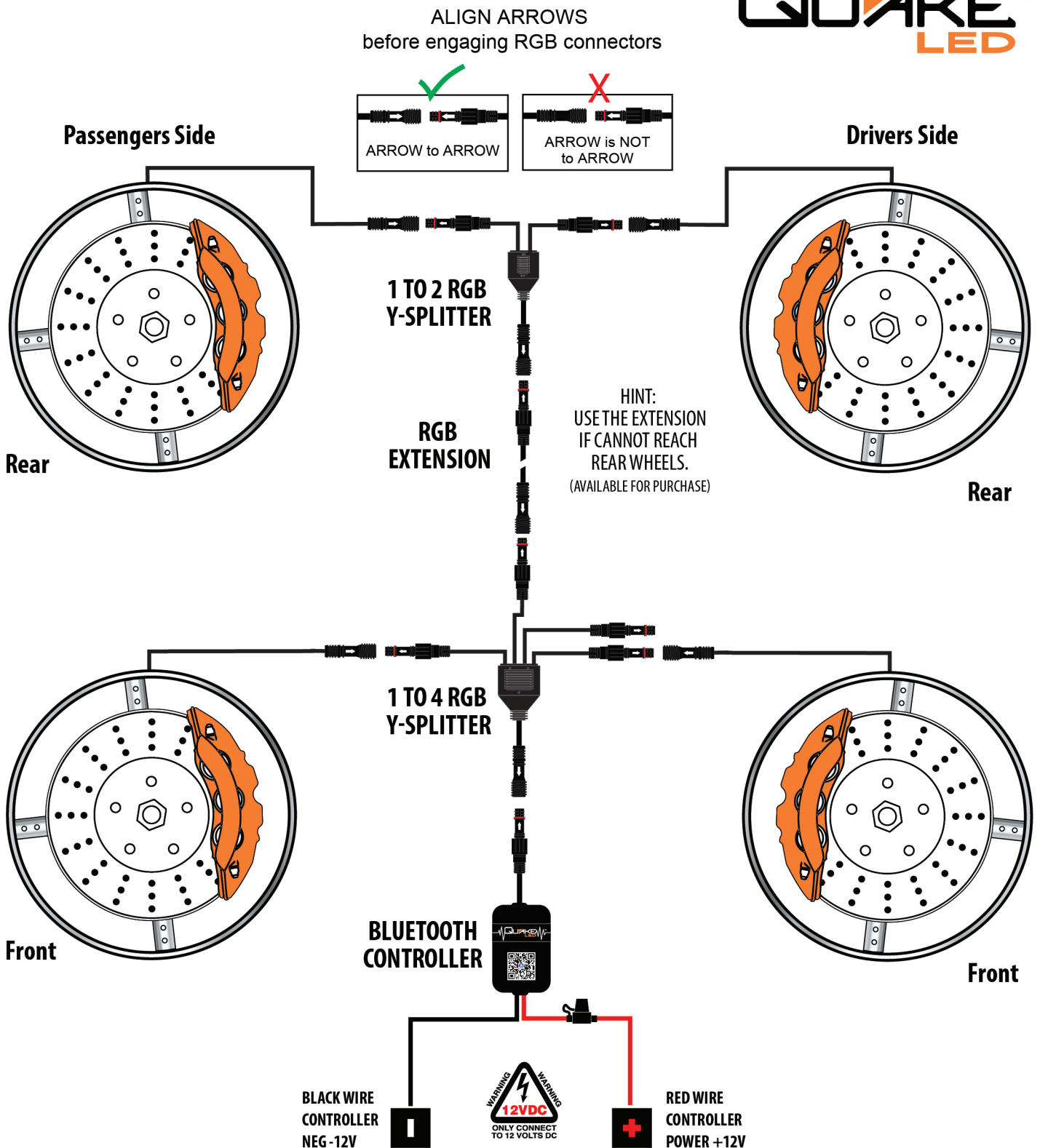
Enjoy!



LIGHT UP THE DARKNESS



## WIRE DIAGRAM



This manual is just a guide with the intention of showing you the quickest way to install these products on your vehicle. As with any install. There are usually a few ways to install a product and achieve the same result. Each installer has their own experience and ways of getting 'er done.

If any issues are found and or if you have install questions. Please contact and call 1-720-305-8979

