



ZRO Chaser LED Wheel Ring Installation Guide

Thank you for purchasing the OMNI12's ZRO Chaser LED Wheel Ring kit. Please review these instructions completely prior to installation of this product. Professional installation is recommended.

Tools needed:

- Zip ties (optional)
- Cordless screwdriver
- Wire crimpers/strippers
- Allen wrenches
- Phillips screwdriver
- Flathead screwdriver
- Clear silicone

This kit contains:

- (4) ZRO Road Optics LED Wheel Rings with Chaser LED strips
- (1) Chaser LED RF Remote and receiver
- (1) Installation hardware pack
- (4) 20ft LED extension wires
- (1) Signal amplifier

Your ZRO Chaser LED Wheel Ring kit is designed to attach to your vehicles brake dust shield which is located just behind the disc brake rotor of your car. We do not recommend the installation of this product on vehicles equipped with drum brakes.

Step 1:

Begin by removing the wheel for the vehicle. Be sure your vehicle is secured with jack stands and wheel chocks before working under the vehicle.

****NOTE: On some vehicles, it will be necessary to remove the brake caliper and rotor in order to gain proper access to the dust shield. (see Fig 1)**



Step 2:

The wheel rings in your kit are adjustable from 13.5" to 17.5". You will notice there are multiple adjustment points depending on the size desired. The kit is shipped in 17.5" format. If smaller size is desired then you will need to follow the instructions in step 2A. If the 17.5" size fits your needs please follow instructions in step 3.

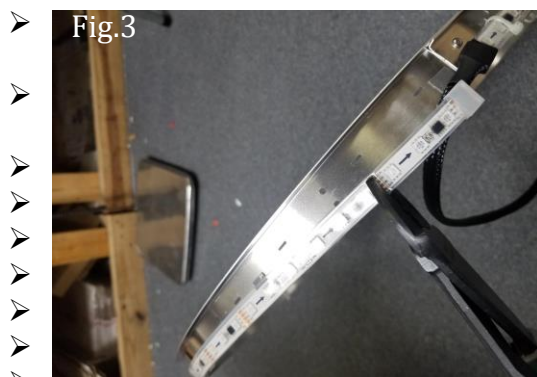
➤ 2A

- Begin by carefully cutting the zip tie affixed to the terminated end of the LED strip (Fig. 2). Remove (2) M3 X 0.8mm bolts and nylock nuts and set to the side. Adjust ring to desired diameter and reinstall M3 X 0.8mm bolts and nylock nuts and tighten. You will have overlap on your LED strip. Please follow instructions outlined in paragraph 2B.



➤ 2B

- Carefully mark led strip at closest available cut mark. Cut the LED strip as outlined in (Fig.3). Next insert the supplied strip end cap over the cut end of the LED strip (we suggest use of silicone). Complete by securing Led strip back to ring with supplied zip tie in the locator slot (Fig.4).



➤ 2C Optional

- To insure the best fit, you may trim the excess materials from the ring when you select a smaller size. This is best done with a Dremel or other similar tool. Although installation can be completed without this step, it is recommended for best fitment (Fig. 5).



Step 3:

Your Chaser Wheel kit includes total of (16) brackets, **(4 brackets shown in**



Fig. 6) along with pre-drilled mounting points located on the Chaser ring which will allow for multiple mounting points. Start by mounting your assembled Chaser ring to the back side of your brake dust shield. Find a suitable location to mount your rings. Loosely assemble the brackets to the Chaser wheel ring by mounting the brackets to the Chaser Ring and hand tightening with the supplied M3 X 8mm bolts and nylock nuts as seen in **(Fig. 7)**

Keep in mind you will be using the provided self-tapping screws to secure the rings to the dust shield. **(Fig. 8)** Be sure that the mounting screws do not interfere with any moving parts or brake components.



- **NOTE: When mounting your Chaser wheel ring into place it is important to consider the placement of the power leads from the LED strip. It is recommended that you orient the leads so as not to interfere with any moving parts, or sources of heat. Keep in mind that these leads will tie into the provided control module which will be mounted inside the vehicle's interior. You should allow for proper placement and security of these leads.**

Step 4:

Make sure you locate the screws to the outer edge of the dust shield. You should avoid placing a screw directly behind the vehicle's brake rotor. Failure to observe this step may result in damage to your brake hardware. Carefully locate the rings so the space is equal around the outside edge of the dust shield. Using the supplied self-tapping screws, firmly secure the ring brackets to the dust shield **(Fig. 9)**.



Step 5:

Continue the installation by securing the rings to the brackets by tightening the M3 bolts and Nylock nuts. Do NOT over tighten the nuts as this may cause distortion in the ring. The Nylock nuts provided will stay firmly in place. Use only enough torque to snug the nuts into place.

Step 6:

Connect chaser LED strips with the 4 included extension cables. When routing the LED leads, be sure to keep them away from heat, and moving parts. Use supplied zip ties to secure the leads to the underside of the vehicle **(Fig. 10)**. Route the leads into the vehicle interior. Reinstall wheel and check for ring clearance. Repeat above steps on all other



wheels.

Step 7:

Connect the hardwired plug ends from the remote controller (Model #: Y-99-1010) to the Signal In of the included signal amplifier (Model #: Y-99-1012). Connect the red wire to the VCC 12v terminal. Connect blue and white wires to the 4 inlet Gnd terminal on the signal amplifier. Connect green wire to the DAT1 port on the same 4 inlet terminal (**Fig.11**).

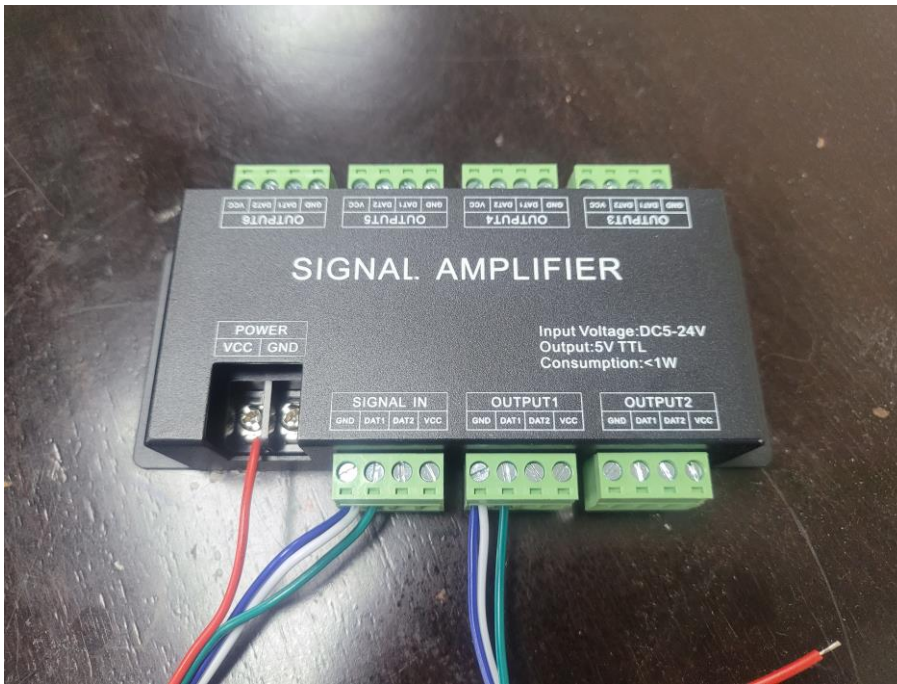


Fig. 11

On the other end of the controller, there are 2 free-end wires. The red wire is to be joined with all red wires from the outlets side and connected to the 12v power source of your vehicle. The black wire is to be connected to the chassis ground of the vehicle. At this point your connections should look like what is shown in **Fig.12**.



Fig. 12

Step 8:

There are 8 outlets on the Signal Out end of the signal amplifier. Connect the hardwired ends of 4 included extension cables (4x Y-99-1014. As shown in Fig.13) to outlets 1-4 of the signal amplifier.



Fig.13

Connect blue and white wires from each extension cables to the Gnd terminal of each respective channel on the signal amplifier. Connect green wire to the Data terminal of each respective channel and all red wires including the one from the controller module go to 12v power source (**Fig.14. Please note that although all 8 channels are used in the picture, you only need to use 4 for the ZRO Chaser LED Wheel Ring kit**).

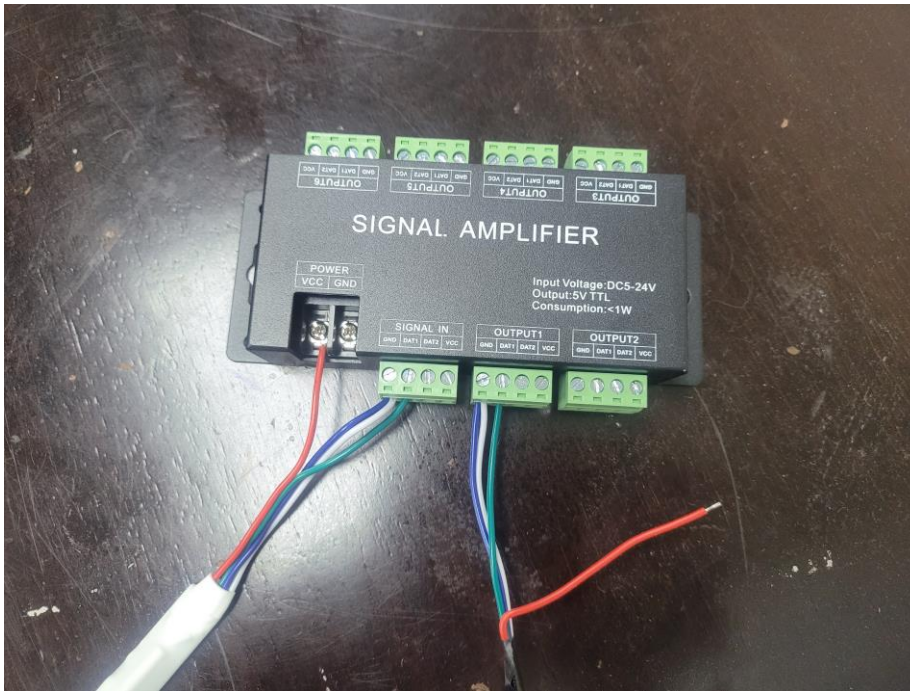


Fig. 14

Connect all 4 free-end red wires from the extension cables, along with the red wire from the controller, to the 12v power source of your vehicle. The black wire is to be connected to the chassis ground of the vehicle (**Fig.15. Signal amplifier shown in the picture may be different from the model you receive**).

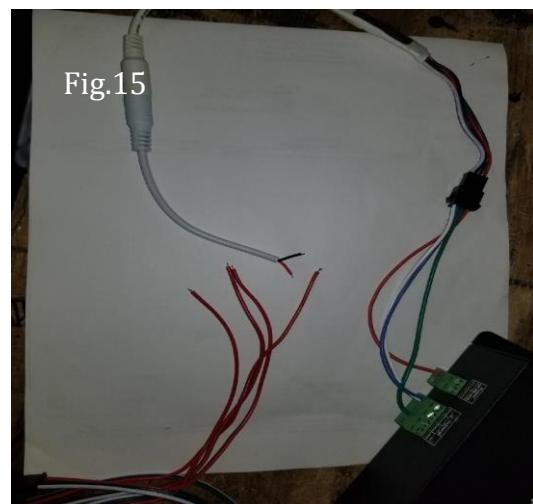


Fig.15

Step 9:

Once all wires are connected as above, the signal amplifier should be automatically powered on. Press the Lock button on the RF remote control 4-5 times. The chaser LED lights should flash several times. This step allows the remote controller to sync with the chaser LED lights.

Step 10:

Wrap up. Check the functionality of your remote by cycling through power and color/pattern change settings. Make sure the receiver is securely mounted and all wire leads are secure. Double check that all bolts and nuts are secure on the rings. Make sure the rings are securely mounted to the dust shield. Check for clearances under the vehicle to insure no wires are near heat sources or moving parts.

You are all set!

Enjoy,

TEAM OMNI

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WARNING

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