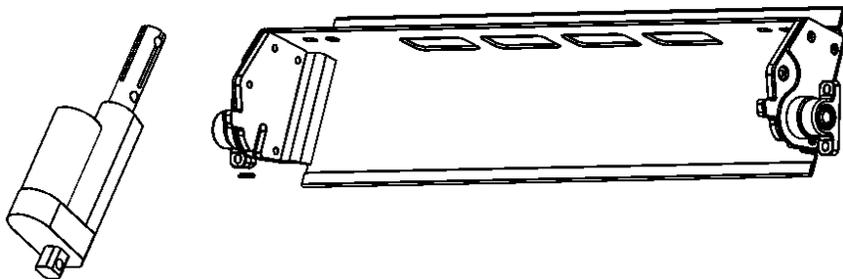


GO RHINO®

INSTALLATION INSTRUCTIONS

PART NO.

- 340001T



PRODUCT DESCRIPTION:

- Element Bumper Power Bar

PRODUCT SAFETY & LEGAL DISCLAIMER

- **IMPORTANT READ ALL INSTRUCTIONS CAREFULLY BEFORE INSTALLING, FAILURE TO DO SO MAY CAUSE PERSONAL INJURY OR DAMAGE TO PRODUCT AND/OR PROPERTY.**
- **Review the product package and contents prior to beginning the installation.** Take care when opening the packaging and removing items. If a return is needed you will want to return the product in its original packaging if possible.
- This instruction guide is provided as a GENERAL installation guide, some vehicles vary dimensionally and may require additional steps.
- Test fit the product on the vehicle prior to any third party modifications and or finishing. The manufacturer and/or distributors do not accept responsibility for third party charges, labor and or third part replacement modifications. Some modifications may void the factory warranty.
- Exercise due-diligence when installing this product. The manufacturer and distributors of this product do not accept any responsibility for vehicle damage or personal injury resulting from the installation of this product. Careless installation and operation can result in serious injury or equipment damage.
- This product is for general off-road use. All liability for installation and use rests with the owner/operator.
- **INSTALLER:** Once installation is complete, please return this guide along with other documentation included in this product back to the consumer for future reference. The manufacturer/distributors of this product do not guarantee this particular version will be available at a later date.

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www.gorhino.com

589 W. Apollo St., Brea, CA 92821

P: 888 427 4466



INSTALLATION INSTRUCTIONS

INJURY HAZARD

Please complete a shop and tool inspection prior to beginning the installation.

- Always make sure you have a clean, dry and well lit work area.
- Always remove jewelry, loose fitting clothing and wear protective gloves and eye protection.
- Always use extreme caution when jacking or raising a vehicle for work. Set the emergency brake and use tire/wheel blocks and jack stands. Refer to the vehicle manufacturer hand book. Utilize the vehicle manufacturers designated lifting points.
- Always use appropriate and adequate care in lifting parts during disassembly and installation. Seek help in lifting heavy or large items into place. Utilize jacks and or lifting devices when available.
- Always insure products are secure during disassembly and installation.
- Always wear eye protection and take steps to protect any exposed skin during the installations. Drilling, cutting and grinding plastic and metal may create flying particles that can cause injury.
- Always use extreme caution when drilling, cutting and or grinding on a vehicle. Thoroughly inspect the area to be drilled, on both sides of material, prior to modification and relocate any objects that may become damaged.
- Always assemble and tighten all fasteners per the installation instructions.
- Always route electrical cables carefully. Avoid moving parts, parts that may become hot and rough or sharp edges.
- Always insulate and protect all exposed wiring and electrical connections.

MAINTENANCE AND CARE

- Always perform regular inspections and maintenance on mounts and related fasteners.
- Periodically check and tighten all fasteners.
- Stripped, fractured, or bent fasteners must be replaced.
- After washing the vehicle make sure to fully dry all surfaces.
- In areas with cold temperatures make sure to wash the product often to remove harmful materials used on road ways.
- Never use abrasive cleaners or polish compounds. Clean with a gentle soap and water. If you use wax use a non-abrasive automotive wax such as pure carnauba wax.

WARNING

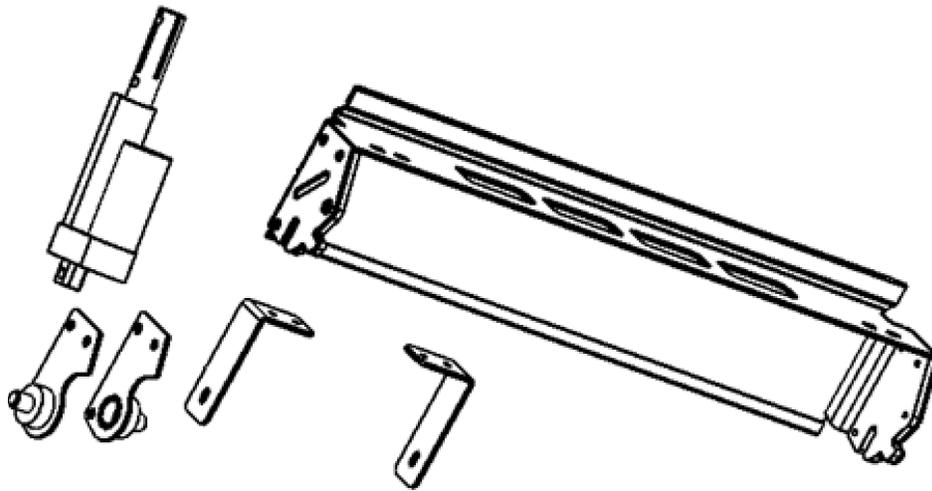
Some products have been designed to work together with factory rear sensor systems, factory forward facing sensor systems and factory air bags.

- Installation of some of these products may alter the factory sensor system performance.
- Factory sensors may read shackles or hooks protruding from the fairlead and or tow hooks.
- All sensor testing is completed by Go Rhino Products and or third party testing labs on modified vehicles.
- Sensor sensitivity, factory sensor housing, orientation, and operating conditions are all variables that will influence functionality of the sensors.
- Installation of some product may effect the factory air bag systems.
- Some products allow the use of third party products such as winches, shackles, hooks, etc. Follow the respective manufacturers operating instructions for use with our products.
- Make sure to fully understand the product, it's intended use and operation prior to use.
- Above all... be safe!

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INSTALLATION INSTRUCTIONS

PARTS INCLUDED IN THIS LIST:



Item	QTY	Part
1	1	Power Bar Mount
2	1	Reinforcement brace (pair)
3	1	Pivot Plates (pair)
4	1	Actuator/ Harness/ Switch (not pictured)
Item	QTY	Hardware
1	1	5/16" x 1" Shoulder Bolt
2	1	5/16" x 1 1/4" Shoulder Bolt
3	3	5/16" Flat Washer
4	1	1/4 Hex Nut
5	10	1/4"x3/4" Button Head Bolt
6	10	1/4" Lock Washer
7	10	1/4" Flat Washer
8	4	5/16" Vinyl Washer
9	2	Block Bearing
10	1	1/4" x 21" Foam Gasket
11	2	1/4" Foam Square

Go Rhino recommends you, the installer, read this installation instruction manual from front to back before installing the product. You may also [click here](http://www.gorhino.com/Installation-Videos) to view an installation video or visit <http://www.gorhino.com/Installation-Videos>.

TOOLS NEEDED FOR INSTALLATION:

- 5/32 Allen Key

ESTIMATED TIME FOR INSTALLATION:

1-2 Hour
(depending on desired wiring location)

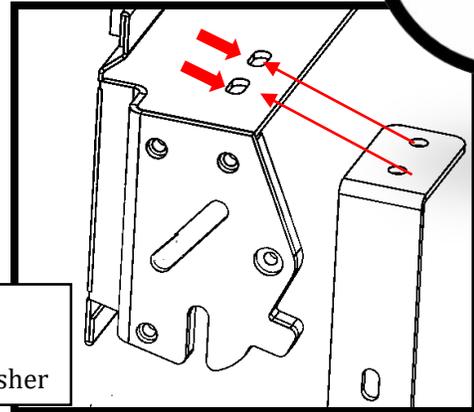
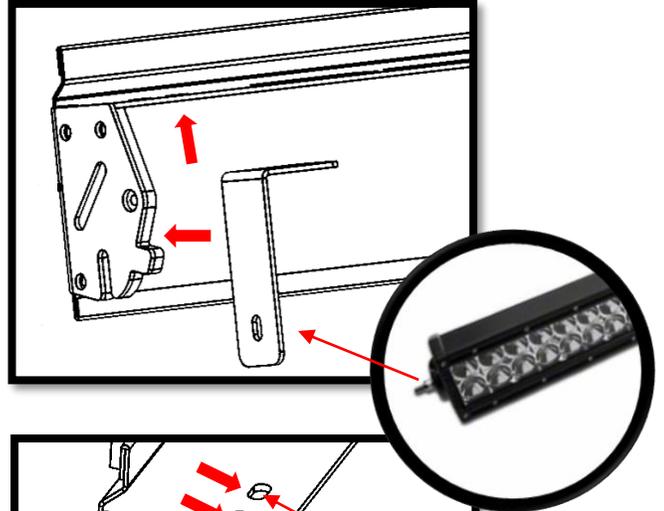
If you need installation service for your new product, call the authorized distributor from whom you purchased the product or an authorized installation service company which can be found by calling toll free 1-888-427-4466

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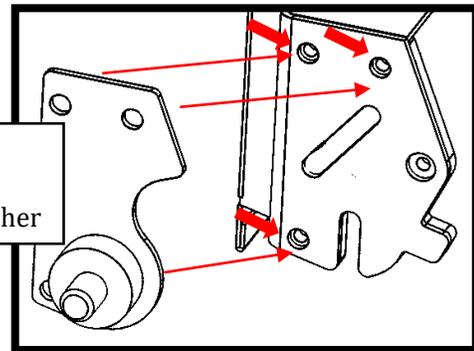
INSTALLATION INSTRUCTIONS

STEP # 1

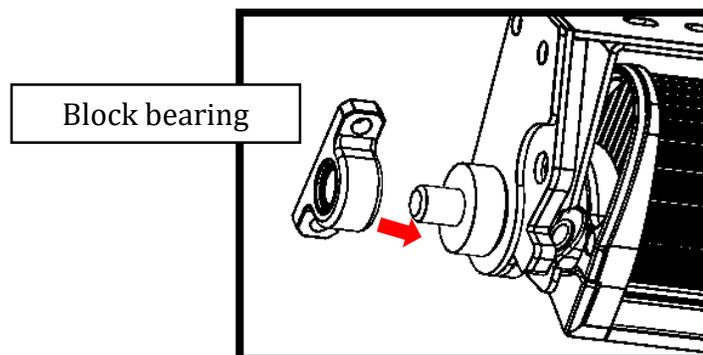
- Install the LED bar onto the reinforcement bracket and have the light bar thread show as an exposed stud (both sides)
- Install reinforcement brace on the inner part of the power bar mount. Use $\frac{1}{4}$ " x $\frac{3}{4}$ " button head screw, $\frac{1}{4}$ " flat washer and $\frac{1}{4}$ " lock washer (two per side) to secure the reinforcement from the topside of the power bar mount. Repeat process for both sides.
- Fasten the LED bar onto the power bar bracket. Use the bottom slotted hole to You'll need to use the supplied hardware that came with your light bar. Secure each side and fasten it down. Be sure that the top side of the light bar is touching the top of the power bar or it will point downwards when in use. Repeat process for both sides.
- Install pivot bracket plate using $\frac{1}{4}$ " x $\frac{3}{4}$ " button head screw, $\frac{1}{4}$ " flat washer and $\frac{1}{4}$ " lock washer (three per side). Note that this bracket will cover the exposed stud from the light bar.
- Slide block bearing on pivot bracket and repeat process for both sides.



Use $\frac{1}{4}$ " x $\frac{3}{4}$ " button head screw, $\frac{1}{4}$ " flat washer, $\frac{1}{4}$ " lock washer



Use $\frac{1}{4}$ " x $\frac{3}{4}$ " button head screw, $\frac{1}{4}$ " flat washer, $\frac{1}{4}$ " lock washer

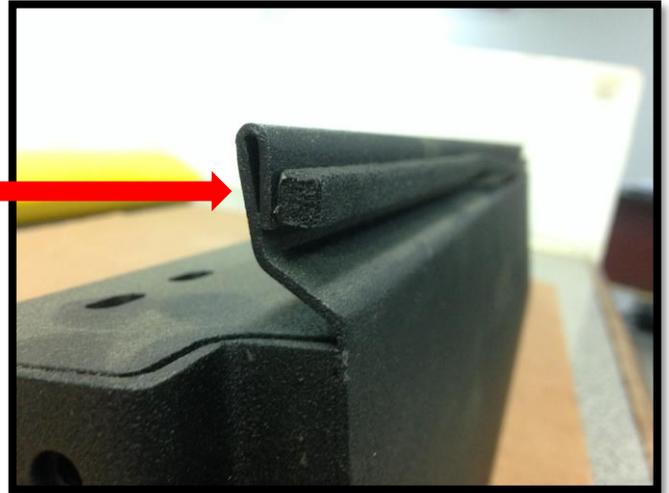


Block bearing

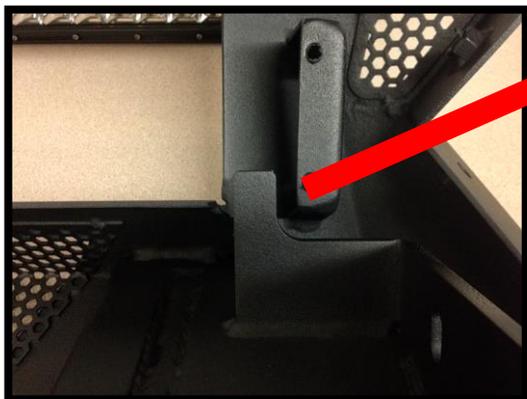
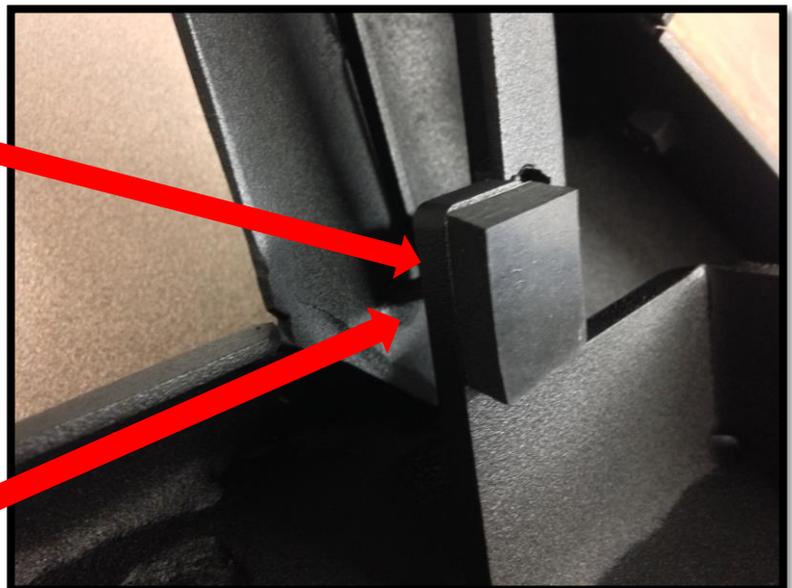
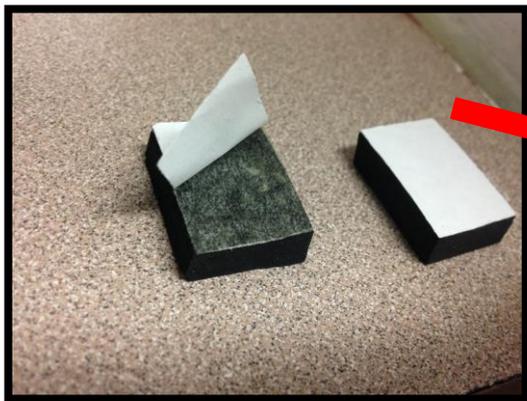
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INSTALLATION INSTRUCTIONS

STEP # 2



- Install the ¼" x 21" foam strip on the power bar bracket front side. Refer to the image above. Be sure the surface is clean. Prepare the inside surface of the bracket where the foam strip will be mounted with Isopropyl alcohol. A clean, dry surface is required in order for tape to stick properly. If needed, apply 1 glue drop in the glue tape, and apply pressure for about 10 - 15 seconds for better adhesion.



- Install ¼ foam square onto the rear side of the bumper. Use images for reference. Repeat process for both sides. Prepare the inside surface of the bumper where the foam pad will be mounted with Isopropyl alcohol. A clean, dry surface is required in order for tape to stick properly. If needed, apply 1 glue drop in the glue tape, and apply pressure for about 10 - 15 seconds for better adhesion.

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INSTALLATION INSTRUCTIONS

STEP # 3



- Remove the preinstalled static light bar mount from the Element bumper. You'll need to reuse the hardware to mount the power light bar mount. Use $\frac{1}{4}$ " x $\frac{3}{4}$ " Button head bolt to secure the power bar to the backside of the Element bumper. Each side will use two screws. Refer to the image above (red circles).



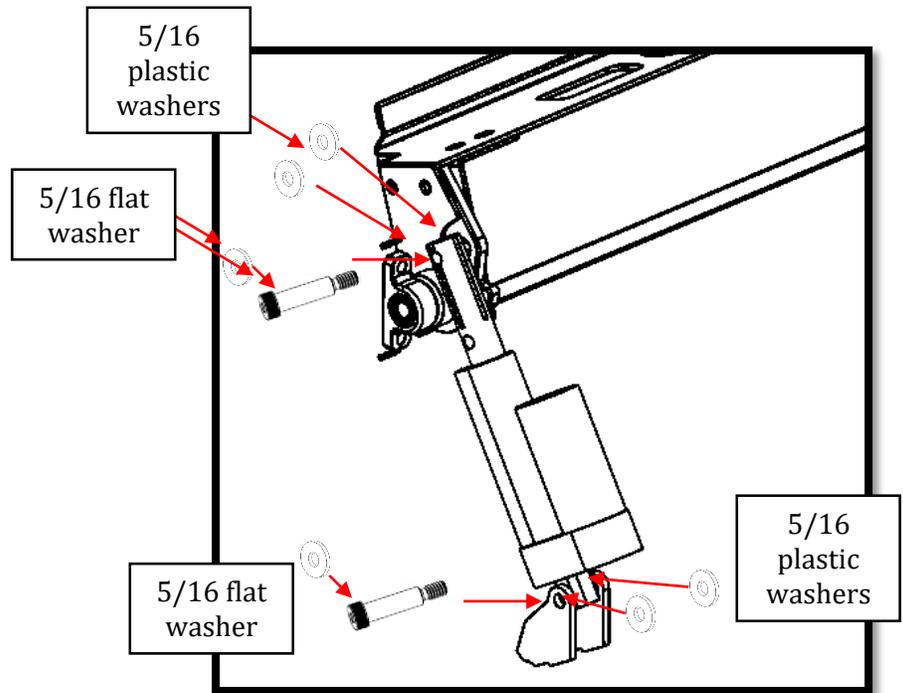
- Due to the symmetrical design, you can mount the actuator on the left or right side of the bumper. You will need to pick a side before you begin installing the actuator. Referenced in the image below (red squares)

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INSTALLATION INSTRUCTIONS

STEP # 4

- Use the 5/16 x 1 shoulder bolt to secure the actuator rod to the power bar bracket. Be sure to use the 5/16 plastic washers on each end of the actuator rod and one 5/16 flat washer on the head of the shoulder bolt. Fasten down snug.
- Use the 5/16 x 1 ¼" shoulder bolt to secure the actuator base to the two tabs on the bumper. Be sure to use the 5/16 plastic washers on each end of the actuator rod and one 5/16 flat washer on the head of the shoulder bolt. Fasten down snug.

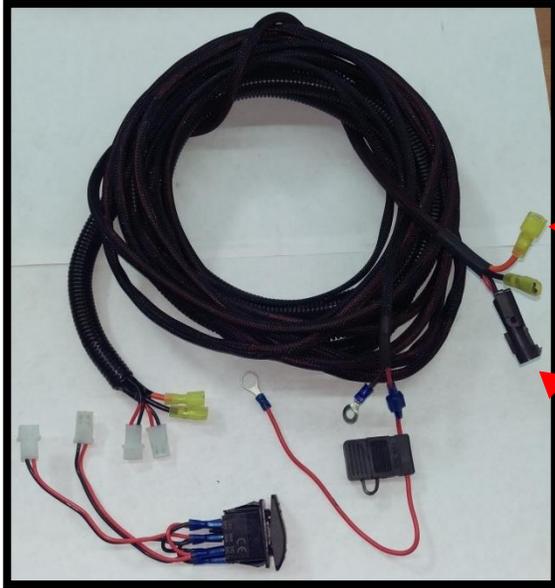


- Periodically inspect hardware and tighten as needed. If you need the actuator rod to extend further out or retract it in, you can manually do so by turning the rod clockwise to extend it or counter clockwise to retract it.

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INSTALLATION INSTRUCTIONS

Wiring Harness



With the actuator installed, connect the female plug to the male plug of the actuator. Run the power/ground leads to the battery. Be sure to connect the positive side to the positive terminal of your battery and the negative side to the negative terminal of your battery. The excess wire can be secured with electrical tape or zip ties. Please reference to the light bar manufacturers manual on how to wire it up.

Be sure to use an adequate relay that corresponds to your system if required. When installing multiple lights, fusing should be adjusted to match.

To actuator

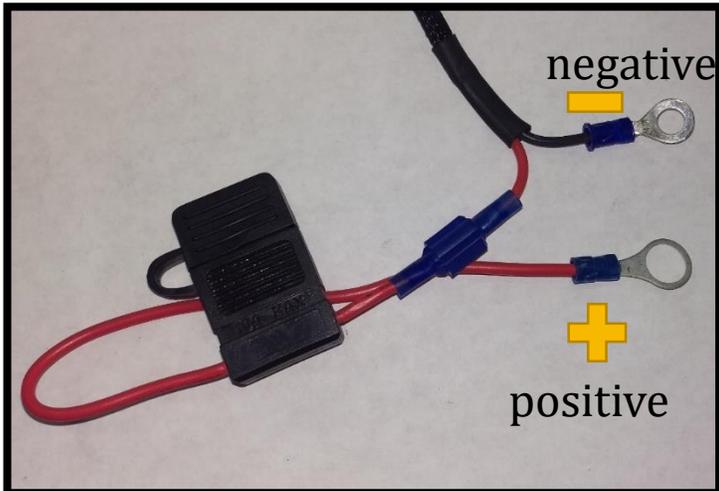


Optional wiring for accessory lighting

Connect female plug to male plug on actuator once it is installed on the bumper

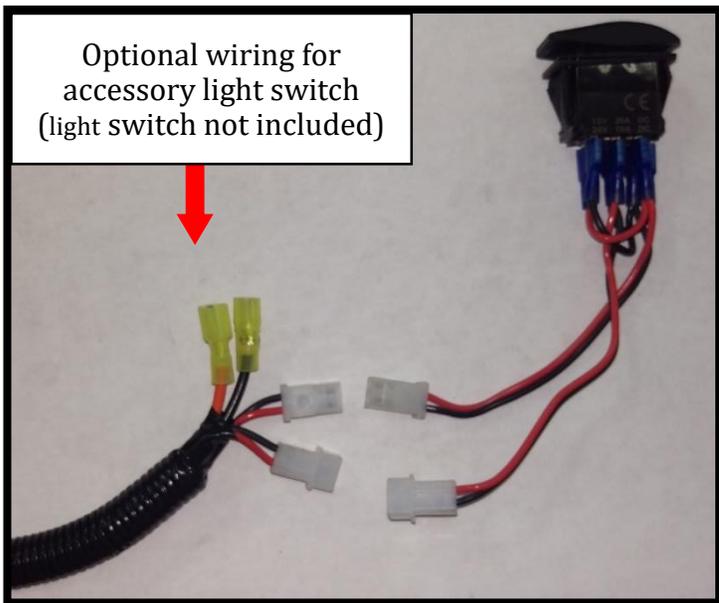
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INSTALLATION INSTRUCTIONS

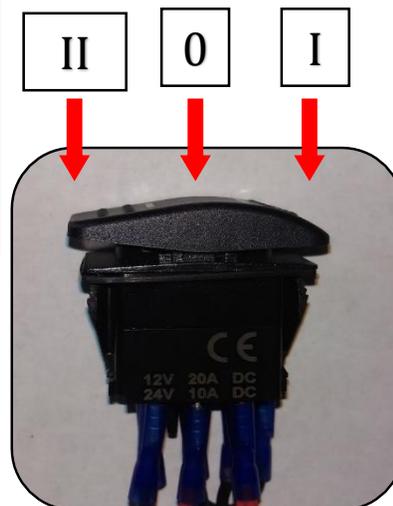


Attach red terminal eyelet to battery positive. Secure black terminal eyelet to a suitable ground or battery negative.

Beware of sharp edges, abrasive surfaces and heat sources when routing wires.



Route harness to desired switch location and connect the double throw switch once it has been routed.



- 3 position switch
- 0-Neutral
- I-Bar up
- II-Bar down

Switch may be left in position I or II, which will keep indicator LED on.

In order to turn off indicator LED, move switch to neutral position.



INSTALLATION INSTRUCTIONS

LIMITED WARRANTY

Go Rhino warrants to Buyer that for a period of five (5) years from the date of shipment of the product(s) ("Warranty Period") for black finishes and chrome finishes, that such products will materially conform to the specifications set forth in Go Rhino's specifications in effect as of the date of shipment(s) and will be free from material defects in material workmanship.

Go Rhino warrants to Buyer that for the life of the product(s) from the date of shipment of the product(s) ("Warranty Period") for polished stainless steel finished products purchased after April 2004, that such products will materially conform to the specifications set forth in Go Rhino's specifications in effect as of the date of shipments and will be free from material defects in material workmanship.

Warranty claims must be accompanied with the original invoice and photos of the product. It is the customer's responsibility to clean regularly and protect finish with regular applications of a nonabrasive polish that is compatible with the product's finish.

This warranty covers the cost of the product only and does not include the cost of removal, installation, third party modifications or shipping of the product. In no event shall Go Rhino be liable to buyer or any third party for any damage or harm caused by the product or use thereof, regardless of weather such damages were foreseeable and whether or not Go Rhino has been advised of the possibility of such damages, not withstanding the failure of any agreed or other remedy of its essential purpose. This warranty is void if the product shows signs of alteration, misuse, mishandling, improper care, neglect, improper application and/or damage due to improper installation.

With respect to any such product(s) during the limited warranty period, Go Rhino shall, in its sole discretion, either: (i) provide a one-time repair or replacement of such products (or the defective part) or (ii) credit or refund the price of such products at the pro rata contract rate provided that, if Go Rhino so requests, Buyer shall, at Go Rhino's expense, return such product(s) to Go Rhino. The remedies shall be the Buyer's sole and exclusive remedy and Go Rhino's entire liability for any breach of the limited warrant(ies).

Go Rhino disclaims all other warranties except to the extent that any such warranty cannot be validly disclaimed under applicable law.

Finish Limited Warranty:

Limited lifetime on stainless steel products (after April 2004)

5 year warranty on black powder coat products

5 year warranty on chrome products

This warranty does not cover exposed welds

Finish warranty covers peeling, flaking, or cracking. Washing all finishes regularly with car wash soap and rinsing well with water is the best method for maintaining the finish on your products. You must also protect the finish with nonabrasive automotive wax on a regular basis. The use of any compound which contains abrasives becomes a self-defeating exercise as the compound scratches the finish and opens it to corrosion. The use of harsh chemicals used to remove bugs and tar may also cause the finish to fail and should be avoided.

If you are unsatisfied with your purchase please contact the establishment you purchased the product from.

If you need to place a warranty claim or need assistance, the Go Rhino customer service team will answer any questions you may have. Please contact the Go Rhino customer service team at 1-888-427-4466 during normal business hours Monday thru Friday 7 am to 5 pm PST. You may also email warranty@gorhino.com. In order to better serve you please provide a copy of the original invoice / receipt, a photo of the issue you are experiencing and a photo of the vehicle the product is installed on.

All warranty returns must have an approved RGA number. The RGA number must be clearly marked on the exterior of the return package. All approved warranty returns must be shipped to Go Rhino Products, 1002 Carriers Drive, Laredo, Texas 78045.

PRODUCT REGISTRATION

Please remember to register your new purchase. You may register your product at www.gorhino.com. Registering your product may help speed any future warranty or customer service inquiries.

Thank you again for purchasing from Go Rhino Products

Please take a few minutes to view additional products for your vehicle and more at GORHINO.com
These installation instructions are available on the Go Rhino web site along with installation videos for many of our products.

www.gorhino.com

www.bigcountryauto.com

www.gorhinopd.com