

# BestRest Products, LLC

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## R1200GS LightGuard

The R1200GS LightGuard provides a protective shield for your fragile and expensive headlight lenses. It will deflect most stones and other road debris, absorb the impact, and prevent expensive repairs.

The plexiglass LightGuard is impact resistant but not bulletproof. Hard impacts from foreign objects may cause it to crack or shatter. This is considered a normal part of the headlight protection process, and is not covered under warranty. Replacement plexiglass shields can be ordered from BestRest for \$25.00 + shipping.

Thank you for purchasing a BestRest LightGuard. We appreciate every order. If you have problems with installation please call us at the number above or send us an email.

May the Lord God bless you, watch over you, and keep you safe as you travel the world on your motorcycling adventures.

David & Judy Petersen

### Tools needed for installation:

- 8mm box or open-end wrench
- 5mm hex wrench
- 3mm hex wrench
- Phillips screwdriver
- Needle-nose pliers
- torx wrench from tool kit

### Your parts package should contain:

Qty	Description
1	plexiglass shield
2	brackets (left & right)
4	rubber washers
4	5x20 button head cap screw
4	5mm locknut
8	#10 flat washer (small)
2	6x20 socket head cap screw
2	#12 flat washer (large)

## Installation

Read and follow these instructions carefully. Improper installation may result in damage to your motorcycle or personal injury. Do not attempt installation unless you can perform it in a safe and professional fashion.

BestRest recommends use of a semi-permanent thread-locking compound (blue Loctite) on all fasteners, nuts and bolts.

Carefully sort all the parts. Clean the plexiglass shield with soap and water or a product specifically approved for plexiglass. Do not use abrasive polishes or scrubbing pads. Do not use a dry cloth. All assembly photos are taken from the left side; the right side is similar, but reversed.

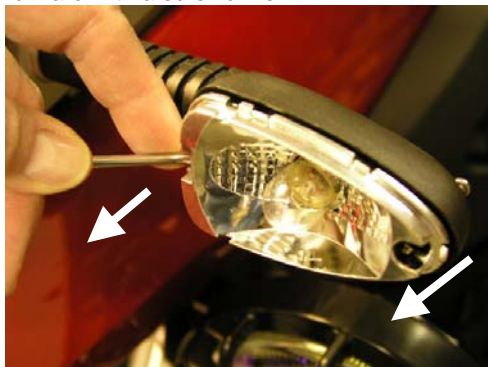
Remove the front turn signal lens by removing the small Phillips screw at the rear.



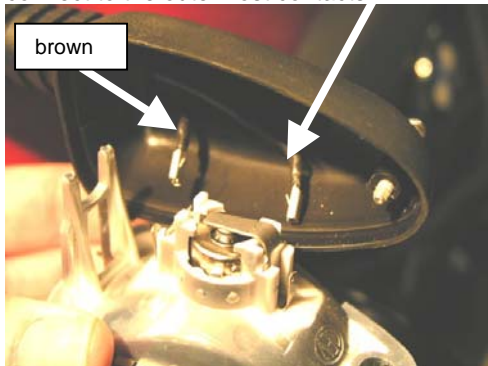
Once the screw is removed, the outside corner of the lens rotates forward. The lens can then be gently pulled free. Be careful not to break the prongs on the inside corner of the lens.



Remove the silver reflector by gently prying it forward with a screwdriver.



Use needle-nose pliers to remove the electrical contacts from the rear of the reflector assembly. The brown wires connect to the innermost contacts, the colored wires connect to the outermost contacts.



Note that the inner prongs of the reflector act as a "clamp", holding the black lens nacelle to the turn signal stalk. Once the reflector is removed the nacelle can be pulled straight off the end of the turn signal stalk.



Remove the torx screw holding the stalk. Leave the stalk in place.



Slide the LightGuard bracket over the stalk.



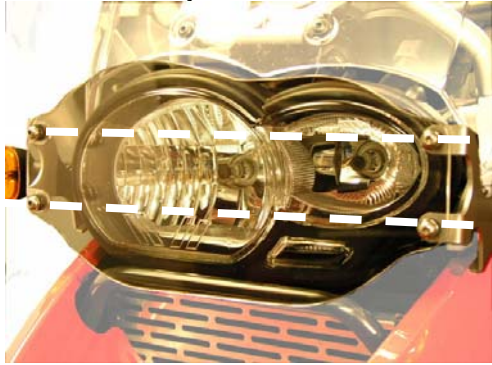
Align the holes and use a 20mm screw (with large washer) to attach the bracket. The screw may encounter some resistance at the end of travel. This is normal, but be careful not to strip the threads. Loosely tighten the screw.



Repeat these procedures on the opposite side so that both brackets are in place.

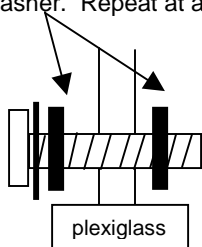


From the front, look to see that the two brackets are aligned with one another. They can be rotated slightly up or down to accommodate for differences between individual motorcycles.



Hold up the plexiglass shield to determine the proper configuration. The large part is on the left and matches the profile of the headlight housing. The flat portion is at the bottom. If you have it backwards or upside down you'll quickly identify the error.

Put a flat washer on a small screw, followed by a rubber washer. Place that thru the plexiglass shield, and follow with a second rubber washer. Repeat at all 4 holes.



Place the plexiglass shield onto the brackets and align all 4 screws with the holes in the brackets. Adjust the brackets if necessary so that the screws fit the holes in the brackets.



Place a flat washer and nylon locknut on the ends of the screws, and tighten loosely. Repeat at all 4 screws.

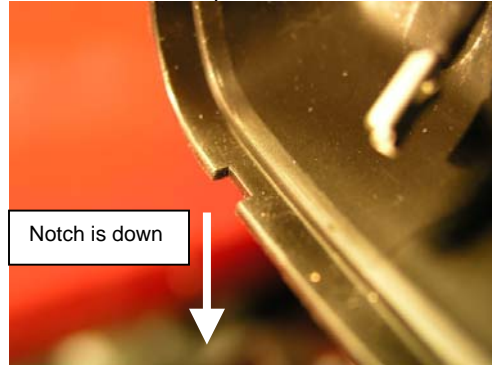


Don't over-tighten the nuts or you may cause damage to the plexiglass shield. This is not covered under warrantee.

The plexiglass shield should not have any twist or warp. If it does, adjust the brackets.

Tighten the screws holding the brackets. BestRest does not provide torque values for these screws. Use common sense. The screws should be tight, but not to the point of stripping the threads.

Slide the black turn signal nacelle onto the of the turn signal stalk. Note that there's a left and a right assembly. The small square cutout of each assembly should be down, to allow water to escape.



Use needle-nose pliers to connect the electrical leads. Remember, brown is to the inside, colored leads are to the outside.



Push the reflector straight back into the nacelle. The prongs of the reflector will clamp the nacelle onto the stalk.

Replace the turn signal lenses.

Installation of your R1200GS LightGuard is complete.

Clean and care for your LightGuard in the same fashion as you do your windshield. Use plenty of soapy water to dissolve bugs and grit before you wipe the surface. Don't rub or scrub, or you'll scratch the plexiglass. Don't use a dry cloth or paper towels. Use only cleaners approved for plexiglass and plastic. We like Plexus and ProtectAll.

The LightGuard has 1/2"-3/4" clearance from the headlight for ease of cleaning. For a more thorough cleaning, remove the 4 small screws and remove the LightGuard shield.

## Safety Warnings

It is the responsibility of the Consumer to evaluate the suitability of these products for personal use. Consumers must evaluate whether these products meet their needs and whether these products can be mounted and used in a safe fashion. The Consumer accepts full and complete responsibility for selection of products and for mounting and maintenance of these products. The Consumer agrees to follow and abide by all instructions, warnings, recommendations, or other information supplied or published by BestRest Products.

It is the Consumer's responsibility to inspect all screws, fasteners and fittings on a daily basis, tighten or replace them as necessary, and to regularly inspect the entire BestRest LightGuard and mounting hardware for signs of missing parts, excessive wear, metal fatigue, or imminent failure. Should any of these be observed the assembly should be removed from the motorcycle and not used until inspected and repaired by BestRest.

BestRest Products, it's employees, agents, and owners assume no liability whatsoever for property damage, personal injury or other losses resulting from the Purchaser's failure to properly maintain the products, for unauthorized modifications of any kind, for use of unauthorized parts (including bushings, screws, pins, or other fasteners), or for use of any BestRest Product in a fashion not intended by BestRest or described as a suggested application in BestRest literature.

Because installation of these products is done by others outside our control, we cannot assume any liability or responsibility whatsoever for improper or unsafe installation, or installation which is contrary to published instructions, for products that are improperly secured or maintained, or that are improperly tightened or otherwise secured, or which are otherwise improper fitted to the motorcycle.

## Authorized Repairs and Parts

Only authorized, and approved replacement parts, assemblies, nuts, washers, screws, fasteners or fittings may be used when mounting, installing, or repairing any BestRest Product. Authorized replacement parts may be purchased only from BestRest Products. Parts from other sources or vendors are not covered under warrantee and will void any Consumer claims against BestRest or others. Any use, modifications, or applications of any BestRest Product, other than those authorized by us in writing, are specifically prohibited.

BestRest products are warrantee against defects in workmanship or materials for 90 days after purchase by the original retail customer.

For full legal disclosures and a description of our warrantee, please refer to our website:

[www.bestrestproducts.com](http://www.bestrestproducts.com)

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## R1200GS LightGuard Night Riding "Anti-Reflective" Molding

The LightGuard does a superb job of protecting your expensive headlight assembly from damage caused by road debris. Extensive testing has shown that for a shield to be truly effective it must be located at least 1" away from the headlight. Otherwise rocks and other road debris can still break the lens. We designed the LightGuard in response to these test results.

If you ride at night you'll find that the plexiglass reflects some light from the headlight back into the rider's line-of-sight. Although this is not a safety hazard, it can become a distraction. We came up with a solution to the problem and this rubber molding is designed to substantially reduce the reflection.

If the ends of the molding are found to be slightly irregular, they can be trimmed as needed with a sharp pair of scissors. If one of the internal aluminum clamping clips is exposed, it can be removed with pliers.

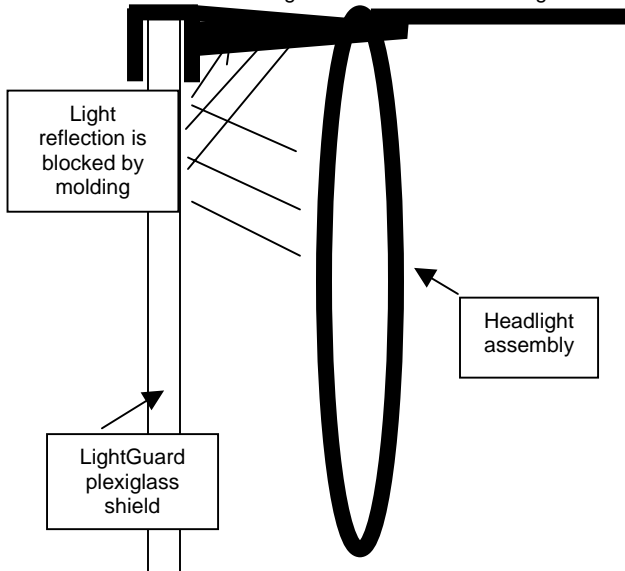
First, install the LightGuard according to directions.

Pre-form the molding to the approximate profile of the top of the plexiglass. Gently bend the molding using two hands.

To apply the molding, center it on the on the LightGuard, then GENTLY press it onto the top edge of the plexiglass. Be careful not to push the LightGuard downward as you're pressing on the molding. Use your free hand to support the bottom of the plexiglass as you press on the molding. Make sure the plexiglass is fully seated in the groove. Because the molding is flexible, it will conform to the contour of the shield. The rubber flap at the rear of the molding will rest across the top of the plastic headlight assembly.



Here's a side view of the molding in contact with the headlight assembly:



When it's necessary to clean the LightGuard, remove the molding by gently pulling upward. It can be reinstalled as before. If the internal clips become loose, they can be gently pinched with a pair of pliers to restore the tight fit of the molding onto the shield.

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