

# TREASURE STATE ATV ASSOCIATION

Billings

Montana

## WHEEL TRAKS NEWSLETTER

December 2014

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### Special Points of Interest:

If you are receiving this newsletter via regular mail and have an e-mail address, please send it to [newsletter@TSATV.org](mailto:newsletter@TSATV.org).



Please also note that having a registered e-mail address also gains access to the Forum where members can exchange ride ideas, ask questions, and meet new members.



**Rob K:** It's that time of the year again; time to think of volunteering to help man our booth at the Great Rockies Sport Show next month! Last year we had a good number of members manning the booth which made the event a great success. This year, we need your help again!

Please consider signing up for one of the available timeslots by clicking on this link: <http://www.tsatv.org/forum/index.php?topic=309>.

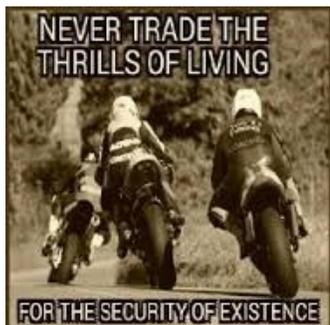
Thank you and we hope to hear from you soon.



*“Dedicated to the preservation and use of public lands”*



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## What is a GoPro?

**E-bay:** In the last few years, the GoPro has really taken off in popularity. What was once just a loyal niche fan following has turned into a worldwide demand for these items. The surge in popularity might prompt those who don't know to ask "what is a GoPro?" The GoPro is an HD-quality, waterproof, video recording device. It has gained such popularity because it is very small and compact, yet it can deliver amazingly crystal-clear video. On top of all of that, the GoPro video cameras are completely waterproof and shockproof so they can be used in any type of environment or conditions.

Currently there are three different versions of the GoPro video cameras. These are the GoPro Hero 1, the GoPro Hero 2, and the GoPro Hero 3 video cameras. The Hero 3 is the latest generation of the GoPro video cameras. One thing that should be noted is that with each new generation of the GoPro Hero cameras, the support for older cameras tends to lessen. For instance, the latest generation on the market right now is the Hero 3 video camera. That means that the Hero 1 and the Hero 2 video cameras are not available for purchase directly from GoPro. They can, however, still be purchased through third-party retailers as well as online marketplaces.

In addition to choosing a generation of GoPro Hero video cameras, one must also choose the right edition of Hero camera. Hero 3 video cameras are actually available in three different editions. These are designated white, silver, and black editions. Each of these editions is slightly different from the others.

The white edition has a camera that shoots at 1080p30, 960p30, and 720p60 frames per second. The silver edition shoots at 1080p30, 960p48, and 720p60 frames per second. Finally, the black edition shoots at 1080p60, 720p120, 1440p48, 4kp15, 2.7kp30, and WVGA-240 frames per second. Clearly the black edition has the most shooting options, and consequently is more expensive than the other two editions.

The resolution of the cameras also differs between editions. The white edition has a five-megapixel camera and has the ability to shoot in bursts of three frames per second. The silver edition has an 11-megapixel camera and has the ability to shoot in bursts of ten frames per second. Finally, the black edition has a 12-megapixel camera and has the ability to shoot in bursts of up to 30 frames per second. The 30 frames per second shot is actually cinema-quality video but in still frames.

The various editions share some of the same features. All come with built-in Wi-Fi, which allows for easy uploading and sharing of the recorded video and images. Additionally, each

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edition of GoPro Hero cameras also comes with a universal remote that can easily control the functions of the GoPro video camera.

One of the drawbacks of older GoPro video cameras is that they do not function well in low light. This problem was addressed with the back edition of the GoPro Hero 3 video camera. This makes the GoPro Hero 3 black edition the hands-down winner for all of its features.

Casual video enthusiasts may balk at the idea of spending so much money on GoPro video cameras. For those filming under professional or extreme conditions, however, it is hard to put a price on video and image quality. For high-speed cinematography, quality is absolutely essential. GoPro video cameras have established themselves as a superior product in its class. The videos really do speak for themselves.

To read more about the GoPro check out this link: [gopro.com](http://gopro.com)

## GoPro Mounting Tips and Tricks

**J.C. Current:** GoPro has changed action photography forever with their continually evolving HERO line of digital cameras. They may not have been the first to innovate this market segment, but they are far and away the most successful and most used today. To see this, all one need do is visit the GoPro website and have a quick look over the many user videos posted to the site ? some are mind-bending, others seemingly impossible, but all demonstrate why the GoPro HERO is so exceedingly popular - it is easy to use, lightweight and is so small, it can go almost anywhere.

Getting those shots with the HERO does present one important question for the new owner or user; how is the camera mounted in order to be able to gather these images and videos? GoPro has answered this query with a large selection of customizable mounting options which allow budding cinematographers to put their HERO in almost any location on the body or a vehicle. In fact, taken together, no place is safe from having a GoPro camera mounted to it, be it a person, an animal or vegetable, or a high-performance race bike. GoPro HERO cameras have been everywhere.

To make mounting the GoPro HERO a bit simpler, knowing which mounts are available and just how flexible they are can be helpful. Below are several of the mounts made by GoPro for the HERO which most users have found to be the most useful and flexible.



Chesty (chest harness)



Handlebar/seatpost/pole mount.



Side Mount: attaches the unit to the side of helmets, vehicles, gear, etc.



Curved & flat adhesive mounts allows you to mount to curved and flat surfaces

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*SAFE OHV USE*



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