**ADJUSTING THE TETHER LENGTH**

(First please read Tether Length / Slack Test Section)

The tether included with the REV 2 has 5 sewn slots on each and about 1 inch up which you use to adjust your tether length in order to have 2 inches of slack in your neck strap, as you can do so. Simply remove the tether pin by unscrewing the allen bolt in the front of the device. Remove the shoulder pad for easy access to the bottom side of the tether. Slide the tether to line up the desired slot with the pin, and carefully feed it back into the desired slot.

**WARRANTY**

The NeckGen REV 2 Head and Neck Restraint (HNR) is warranted to be free from defects in material and workmanship for a period of one year from the date of purchase by the original purchaser. The NeckGen REV 2 will be repaired or replaced at the option of NeckGen. All claims must be submitted to us and accompanied by the device, the original sales receipt, and a statement signed by the purchaser regarding the nature of the defect. This warranty does not apply to damage to the product that is the result of accident, normal wear and tear, or misuse. Any modifications to the product will null and void this warranty.

**DISCLAIMER**

Please inspect the NeckGen REV 2 before each use. If you believe that the product is not in good working order according to the instructions, use immediately and contact NeckGen. As a condition of purchase and/or receipt of the NeckGen REV 2, the user has read and familiarized him/herself with the technical aspects, research and test results relating to the NeckGen REV 2 provided on www.NeckGen.com, and understands and recognizes the nature of the device and the conditions under which it can be used. The user understands and recognizes that the device has not been tested on humans in race or recreational conditions for instrumented impact assessment and that this is a new design. Should the user not wish to accept these terms of the warranty or the product prior to its use, please return the product for a refund. There may be a refund fee. As a condition of purchase and/or receipt of the NeckGen REV 2, the user waives any claims against NeckGen, the inventor, manufacturer, any subcontractor, agent, or distributor. NeckGen, the inventor, manufacturer, any subcontractor, agent, or distributor will under no circumstances be liable to any person for damages, including but not limited to direct injury, indirect injury, bodily injury, or death, that may result from any cause. Any such actions are barred under Nebraska law. The parties’ liability is limited to the actual price paid for the product. The user assumes all risk of the use of the product. As a condition of the purchase of the product, the user has fully read and understood the manual and installation guide and understands that although the device is designed to help reduce head, brain, and neck injury when in contact with a helmet with a fixed chin, there is no guarantee that any injury will be prevented by the use of the device. Each device must be sized for the individual user, and must be of the correct size and fit. This warranty expires upon resale or transfer of the product by the original purchaser. Always attach your helmet correctly according to manufacturer’s guidelines, ensure all your safety equipment is in good condition, and use recommended lifespan and travel with care.

**NECKGEN**

**RECECPTIFICATION**

SFI Specification 38.1 requires that Head and Neck Restraint Devices be inspected and recertified after five years from the date of manufacture published out on the label.

**TETHER REPLACEMENT**

Tethers will need to be replaced every 5 years. Tethers should also be replaced after a serious accident or if they are showing any signs of wear.

**MOUNTING THE HELMET HARDWARE**

There are three types of helmets, each determined which type you are using, then refer to the appropriate section:

A. Snell SA2015 / SA2010 / FAA8585+ Båt

B. Pre-Drilled Helmet / SA2010

C. Un-Drilled Helmet

*Snell SA2015/SA2010/FAA8585+ Identification:

These helmets will have 6 threaded inserts bonded into the helmet by the manufacturer.

- **A.** Installation for Snell SA2015, SA2010 and FAA8585+ Helmets: Because this type of helmet has the threaded insert bonded inside, you will NOT need the helmet load plate that comes with your hardware.
  1. Using the allen key and supplied wrench, unscrew the helmet load plates from both sides and discard.
  2. Remove the plastic piece from the right side. The pull tether should hang down.
  3. Using the allen key, screw the bolt inside the helmet hardware in each side of the helmet.
  4. Align the helmet hardware so that the front points +/- 45 degrees upward toward the visor mounting bolt. Tighten the bolt to 30 inch pounds (3.4nm).

- **B.** Installation for Pre-Drilled Helmets:
  1. Verify that the holes are between 3.5 and 6 from the centersline of the rear of the helmet. If so, then proceed to step 2. If not, call NeckGen for help.
  2. Using the supplied allen key, & wrench, unscrew the helmet load plates from the helmet hardware.
  3. Using the wrench to hold the load plate, slide the load plate between the helmet shell and inner lining to fine up with your pre-drilled holes.
  4. Continue with steps 2-5 from section A above.

- **C.** Un-Drilled Helmets:
  1. First you will need to drill the installation holes as per the instructions on the next page.
  2. Once you have drilled your helmet, follow the instructions for section B: “Installation for Pre-Drilled Helmets” in the previous section.

**MOUNTING THE HELMET HARDWARE**

**How to Drill Your Helmet:**

1. Find the center (C) at the back of the helmet.
2. Measure 5/16” to 5/8” following along the lower edge.
3. Measure & mark 1 1/8” upward from the bottom of the helmet.
4. Drill a 1/4” (6 mm) hole.
5. Repeat for the other side of the helmet. If your helmet has been pre-drilled and is within 1 1/8” radius of the diagram, it is OK to use these holes.

**Installation for Un-Drilled Helmets:** Once you have drilled your helmet, follow “Installation for Pre-Drilled Helmets” on previous section.

**POSITION OF HARDWARE**

It is important to tilt the helmet hardware at 45 degrees relative to the horizontal of the helmet edge. This will mean that the front edge of the helmet hardware will be pointing upward towards the visor mounting bolt. This allows for more free movement of the tethers, which allows the head to turn from left to right.

**TETHER LENGTH - SLACK TEST**

The NeckGen REV 2 has an adjustable length tether to fit most drivers. In order to set the length properly, you must first install the helmet hardware on your helmet, then do a tether slack test.

The purpose of an HNR is to limit the travel of your head during the course of an impact. It is not intended to hold your head still while driving, or prevent your chin from touching your chest. Please set the tethers to 2 inches of total slack for best results.

To perform a tether slack test, it is necessary if you have a helper assist with the measurement. Start by sitting in the vehicle with your REV 2 connected to your helmet and seatbelt snug. Look straight ahead in your relaxed position, have your helper pull all of the excess tether to one side and pinch it closed. Measure the excess tether taken out. This should be set to 2 inches total. For a 3” long pinch, if it isn’t, simply remove one or both tether pins from the device and re-insert them into the packet that allows for the correct slack result. Tighten to 25-in-lb (see next page for details)

**INSTALLATION ON DRILLED HELMETS**

**PROPER SEATBELT ALIGNMENT**

Angle of belt: 5-10 degrees below horizontal.