

MOUNTING THE HELMET HARDWARE

There are Three Types of Helmets:

Snell SAH2010/FIA8858, Pre-Drilled, and Un-Drilled
(Read particular instructions for your type helmet below)

Snell SAH2010 & FIA 8858 Helmets: These have 6 mm threaded inserts bonded into the helmet by the helmet manufacturer.



Bonded 6 mm inserts
or pre-drilled hole

Installation for Snell SAH2010 Helmets or FIA 8858 Helmets:

You will **NOT** need the helmet load plate. There is a left hand (LH) and right hand (RH) helmet hardware set supplied with the unit.

1. Using the allen key & wrench supplied, unscrew the helmet load plate and discard load plate.
2. Identify the LH helmet hardware.
3. Using the allen key, screw the LH helmet hardware on to the left hand side of the helmet.
4. Align the helmet hardware so the front is pointing approximately 45 degrees upward
5. Tighten the 6 mm bolt to 30 Inch Pounds (3.4 Newton Meters)
6. Repeat steps for RH helmet hardware.

Pre-Drilled Helmets: If your helmet was predrilled for a previous neck restraint, it is OK to use these holes. If your helmet was pre-drilled by the helmet manufacturer, it is OK to use these holes. See "How to Drill Your Helmet" diagram.

Installation for Pre-Drilled Helmets:

You **WILL** need the helmet load plate (supplied). There is a left hand (LH) and right hand (RH) helmet hardware set supplied with the unit.

1. Using the allen key & wrench supplied, unscrew the helmet load plate.
2. Using the supplied wrench to hold in place, slide the helmet load plate between the helmet shell and the inner lining to line up with your drilled holes
3. Continue with steps 2-7 above

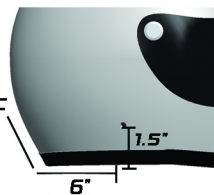
MOUNTING THE HELMET HARDWARE

Un-Drilled Helmets: If your helmet has not been drilled, you will need to drill the installation holes as per the instructions below.

How to Drill Your Helmet

1. Find the center at the back of the helmet
2. Measure forward 6" along the lower edge
3. Measure & mark 1.5" upward from step 2
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 a 1" radius of diagram, it is OK to use these holes.

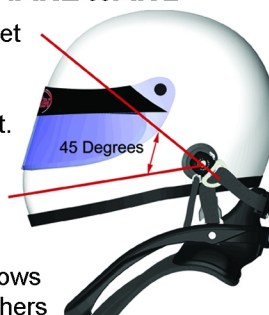


Installation for Un-Drilled Helmets:

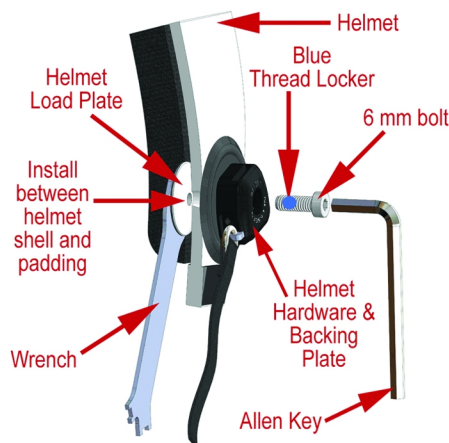
Once you have drilled your helmet, follow "Installation for Pre-Drilled Helmets" on previous section.

POSITION OF HARDWARE

It is important to tilt the helmet hardware at 45 degrees relative to the horizontal of the lower edge of the helmet. This would mean that the front edge of the helmet hardware would be pointing upward towards the visor mounting bolt. This angle allows for free movement of the tethers allowing the head to move from left to right.



INSTALLATION ON DRILLED HELMETS



FIXED TETHER

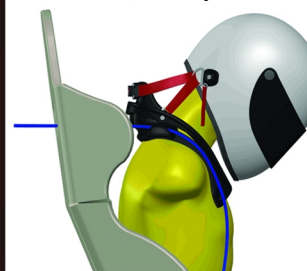
NecksGen uses a fixed length tether which has been predetermined in testing to allow proper protection.

TYPICAL SLACK:

Pinch tether and ensure you are getting no more than 3" (75 mm). A single pinch of 3" creates 6" of overall slack



Some drivers may be able to move their head forward and still not feel the tension of the tethers, this is ok. Also do not worry if the base of the helmet touches



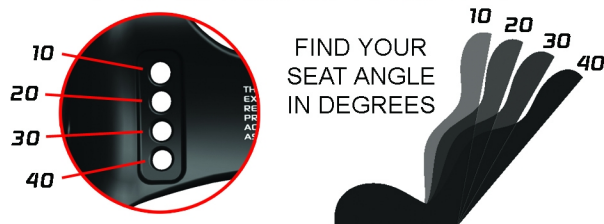
the bar. In the event of an accident, the unit is held back by the seat belts, whereas the body, neck & head will move forward and away from the device. It is at this point that the tethers will tension up to minimize neck tension.

To Verify the Fitment:

1. Strap yourself securely in your seat with the seat belts firmly tightened, your helmet and NecksGen securely in place. The unit should sit approx 1-3" from the back of the drivers neck. Do NOT pull the unit forward to rest against the neck.
2. Sit in a neutral position with your head facing forward as you would be while driving in a straight line.
3. Have someone pinch the tether to one side, taking up all the slack from both sides. Measure the amount of tether pinched, and verify that it is no more than 3" (75 mm). If you have more than 3", there is a chance your helmet is drilled incorrectly.
4. In most cases, you will have full range of motion from side to side.

IMPORTANT! Prior to each use, check all hardware and tethers for correct installation. If for any reason you disassemble any part of the unit, it is recommended that you reassemble using medium strength threadlocker on the threads of the hardware. The NecksGen must be properly cared for and maintained in order to work properly. If you are in need of any replacement hardware, tethers, or other components please contact NecksGen.

ADJUST REAR ANGLE FOR MAXIMUM COMFORT

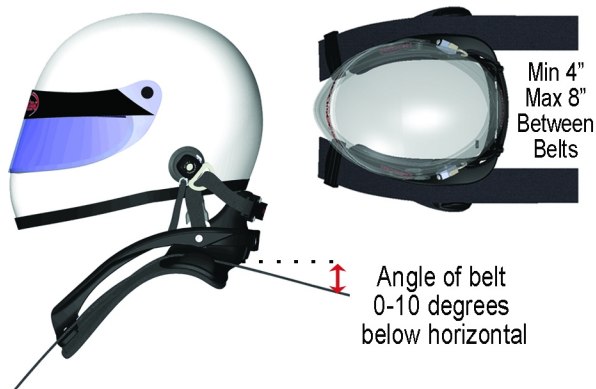


REMOVE THESE TWO BOLTS
TO ADJUST THE ANGLE TO
MATCH YOUR SEATING POSITION *



*DO NOT USE THE UNIT WITHOUT THESE BOLTS INSTALLED

PROPER SEATBELT ALIGNMENT



RECERTIFICATION

Effective Jan 1, 2012, SFI Specification 38.1 now requires that Head and Neck Restraint Devices be inspected and recertified after five (5) years from the date of manufacture punched 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.

WARRANTY

The NeckSGen Frontal Head Restraint (FHR) 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 NeckSGen FHR will be repaired or replaced at the sole discretion of NeckSGen. 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 accidents, normal wear and tear or misuse. Any modifications to the product will null and void this warranty.

DISCLAIMER

Please inspect the NeckSGen FHR before each use. If you believe that the product is not in good working order according to the instructions, stop use immediately and contact NeckSGen. As a condition of purchase and/or receipt of the NeckSGen FHR, the user has read and familiarized him/herself with the technical aspects, research and test results relating to the NeckSGen FHR provided at www.NecksGen.com, and understands 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 conditions for instrumented impact assessment and that this is a new design. Should you not wish to accept the terms of this warranty or the product prior to its use, please return the NeckSGen FHR for a refund. As a condition of purchase and/or receipt of the NeckSGen FHR, the user waives any claims against NeckSGen, the inventor, manufacturer, any subcontractor, agent, or distributor. NeckSGen, 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 or otherwise, including death, that may be sustained by any person as a result of the use of the NeckSGen FHR. Any alleged defect therein or its alleged failure to afford the protection offered by it or for any consequential loss of profits or damages suffered by any person, however such loss or damage may arise or for any other reason or from any other circumstance of whatsoever nature. The parties' liability is limited to the actual price paid for the product. The user assumes all risk for the use of the product. As a condition of purchase/receipt of the NeckSGen FHR, the user has fully read and understood the manual and installation guide and understands that although the device is designed to help reduce brain, head and neck injuries when worn in conjunction with a helmet with a fixed chin part, there is no guarantee that any injury will be prevented by the use of the device. Each device must be set up for the individual user and be of the correct size and fit. This warranty expires upon resale or transfer by the original purchaser. Always attach your helmet correctly according to manufacturer's guidelines, ensure all your safety equipment has not passed its recommended lifespan and travel/race with safety.

NECKSGEN

AHEAD IN NECK PROTECTION

MANUAL AND INSTALLATION GUIDE
FOR YOUR FRONTAL HEAD RESTRAINT



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