



**EXO-ST1400**  
**CARBON**



**SCORPION**  
**EXO**

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**CARBON**  
**TECHMANUAL**



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Printed in China

# EXO-ST1400

## CARBON

PERFORMANCE FEATURES

### 1 Ultra-CHT® Carbon Hybrid Shell

The new Ultra-CHT® (Carbon Hybrid Technology) is Scorpion's unique Carbon Fiber material. The Carbon Fiber consists of hexagonal strands whose orientation is controlled and woven into a fabric, that is then bonded together with a matrix polymer resin and cured at high temperature and pressure, resulting in a crosslinked rigid shell with a very high strength to weight ratio.

### 2 AirFit® Liner Inflation System

Inflatable cheek pad bladders for a personalized fit.

### 3 SpeedView® Retractable SunVisor

Retractable interchangeable internal sun visor. Choose the up or down position with the flip of the switch. Features our exclusive EverClear® anti-fog coating on all surfaces.

### 4 KwikWick® III Liner Fabric

The removable and washable liner features a soft and supple hypo-allergenic, anti-bacterial material with advanced moisture wicking properties.

### 5 EverClear® FaceShield

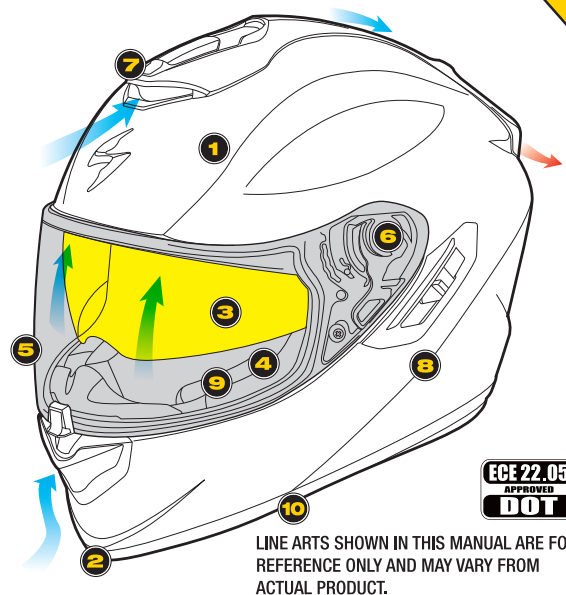
Features a hardened anti-scratch coating and inner surface is coated with our exclusive EverClear® anti-fog treatment.

### 6 Ellip-Tec® II Ratchet System

Easy, Secure, tool-less faceshield changes in seconds. Pulls the shield back against the eyepoint gasket during closing to ensure a proper seal.

### 7 Top Super Vent

Specially engineered intake and exhaust ports for optimum airflow to maximize cool air in and accelerate warm air out.



### 8 Speaker Pockets

Speaker ducts designed into the EPS allow compatibility with communication unit speakers up to 40mm.

### 9 3D Contoured Cheekpads

Plush removable and washable 3D contoured cheekpads for ultimate fit and comfort lined with our KwikWick III® Fabric.

### 10 Emergency Release System

Tabs located under the neck roll allow easy removal of the cheek pads by emergency medical personnel thus allowing easier removal of the helmet.

## Introduction

Congratulations for acquiring a premium ScorpionEXO® helmet. This helmet embodies the latest, state-of-the-art design, engineering and technology available in the market today and is an excellent investment for your comfort and protection.

Please remember that no helmet can protect you against all possible or foreseeable impacts even when built with the latest and best materials and technology.

The following information will help you to enjoy and properly care for your helmet.

## Function

A helmet's main function is to protect your head from impact in case of an accident. To accomplish this, a helmet surrounds your head with a matrix of materials designed to absorb and cushion impact energy in some accidents. A helmet is also designed to provide you with comfort while riding at speed and in various weather conditions. Yet, there is a trade-off: A helmet decreases hearing sensitivity, peripheral vision and physical movement to a certain extent while providing protection and comfort.

## Fit

It is important for maximum safety that your ScorpionEXO® helmet fit snugly and comfortably on your head with the retention strap (chinstrap) properly and snugly fastened. With the chinstrap firmly fastened, grab the back of the helmet with both hands and try to roll the helmet forward. If you can roll the helmet over the eyes, it is too loose and you should try another size of helmet.

## Faceshields

The faceshield on your ScorpionEXO® helmet provides protection from weather, small flying objects and wind. Tinted shields are available to protect your eyes from excessive sunlight. The ScorpionEXO® SpeedView® internal sunvisor system allows you to instantly tint the sunlight.

### !WARNING!

NEVER USE A DARK OR TINTED FACESHIELD OR SPEEDVIEW VISOR IN DARK OR POOR VISIBILITY RIDING CONDITIONS. This is not only unsafe, but also illegal in most countries.

NEVER WEAR A FACESHIELD THAT HAS BECOME SCRATCHED OR WORN OUT, OR RIDE WITH A FACESHIELD THAT IS FOGGED BY CONDENSATION. SCORPIONEXO® FACESHIELDS (CLEAR AND SMOKE ONLY) COME WITH A SCRATCH-RESISTANT COATING. The faceshields and sun visors are coated, which also loses their capacity in about 2 years. For this reason, we recommend that you change your visor at least every two years with a new one.

## Ventilation Systems

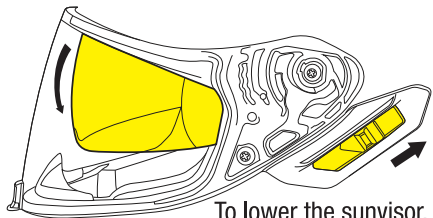
Ventilation systems are designed and engineered to maximize your comfort in a wide range of temperatures. Familiarize yourself with the vents on your street helmet. Some vents have detents allowing partial opening and closing, thereby controlling intake and exhaust airflow. Your helmet ventilation systems should be kept clear of any obstructions including dirt, insects or other items which could interfere with proper flow of air. The ventilation systems play an important role, especially during physical exertion or hot-weather riding. Ventilation helps decrease the possibility of fogging on the faceshield.

## SpeedView® Internal Sun Visor

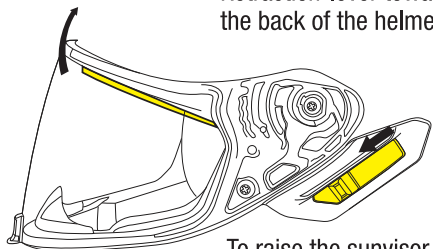
EVERCLEAR  
SPEEDVIEW®  
SUNVISOR 

### USING THE SUN VISOR

NOTE: THE RETRACTABLE INTERNAL SUNVISOR CAN BE LOWERED AND RETRACTED, REGARDLESS OF WHETHER OR NOT THE FACESHIELD IS UP OR DOWN.



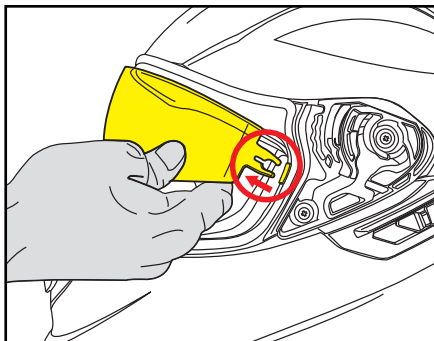
To lower the sunvisor, simply slide the SpeedView® Sunvisor Retraction-lever towards the back of the helmet.



To raise the sunvisor, just slide the SpeedView® Sunvisor Retraction-lever towards the front of the helmet.

### REMOVING / INSTALLING THE SUN VISOR

NOTE: FIRST, OPEN OUTER SHIELD TO THE HIGHEST POSITION. THEN LOWER THE SUNVISOR TO LOWEST POSSIBLE POSITION.



For easier sunvisor removal, remove the outer faceshield first. To remove the sunvisor, firmly hold the sunvisor with your hand and gently pull one side out away from the helmet to release.

Repeat to release the opposite side.

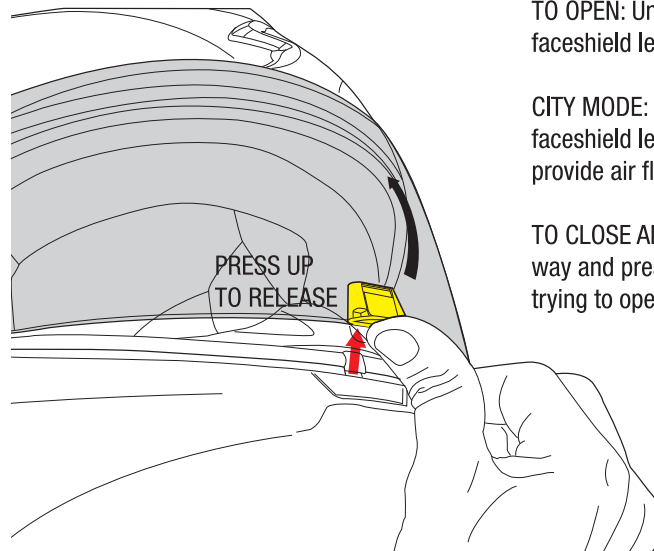
Reverse process for installation.

#### **WARNING**

DO NOT attempt to adjust while riding.

## Faceshield Lock & Vent Lever

### EVERCLEAR® FACESHIELD



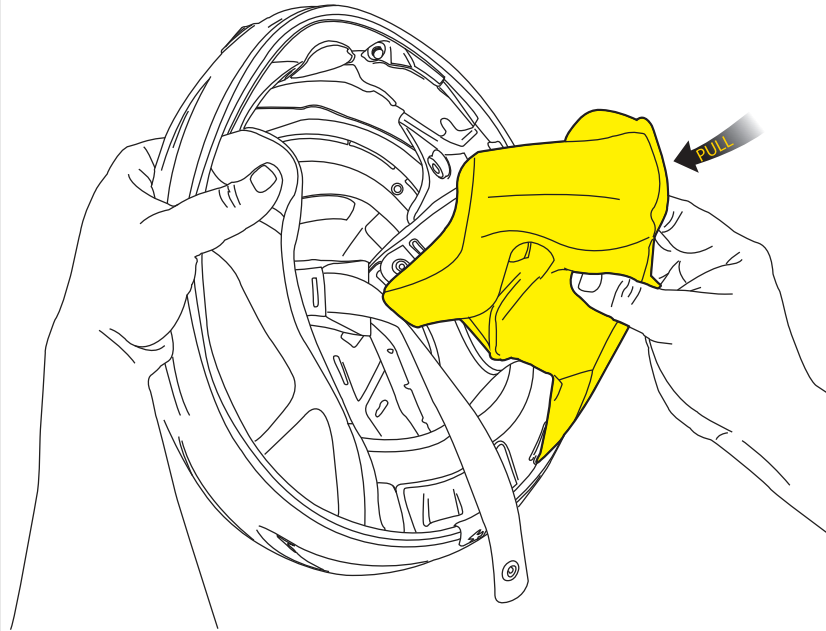
TO OPEN: Unlock the faceshield by pressing your thumb up on the faceshield lever until it snaps open. Lift faceshield all the way up.

CITY MODE: Unlock the faceshield by pressing your thumb up on the faceshield lever until it snaps open. Leave open at first detent to provide air flow at low speeds.

TO CLOSE AND LOCK: Close the faceshield by sliding it down all the way and pressing the faceshield lever until it snaps shut. Test by trying to open the faceshield to make sure it locked into place.

EVERCLEAR®  
NO-FOG FACESHIELD 

## Cheek Pads Removal



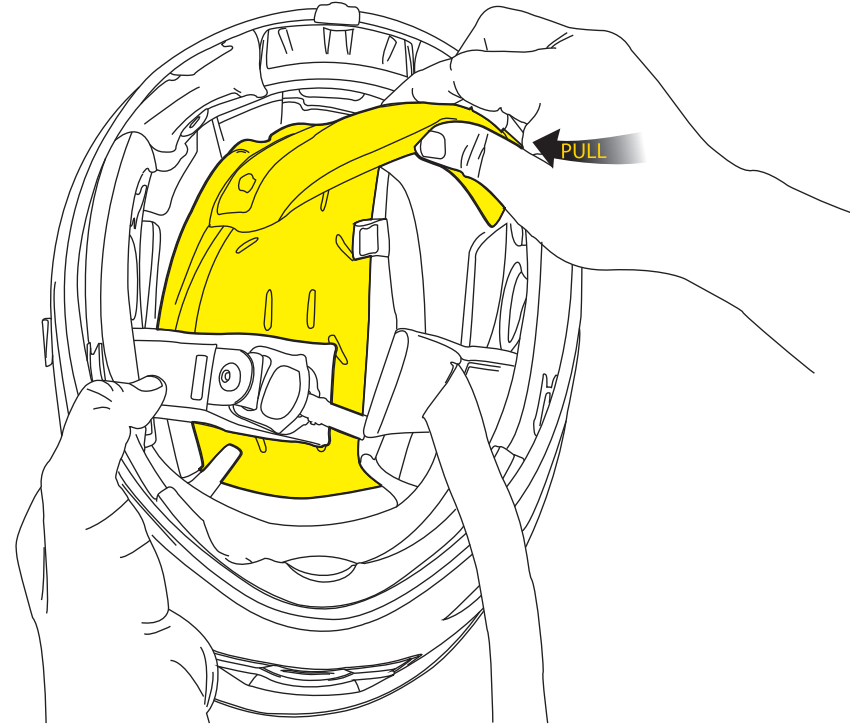
Occasionally the cheek pads may require removal for washing or replacement.

1. Remove the Aero Skirt.
2. Slide your thumb behind the cheek pad at the area closest to the AirFit inflation pump.
3. Gently tug the cheek pad away from the helmet interior wall. There are three plastic snaps that require unsnapping. At the same time slide the plastic trim out of the helmet channel.

Repeat this process for both cheek pads.

Reverse this process for installation.

## Crown Liner Removal

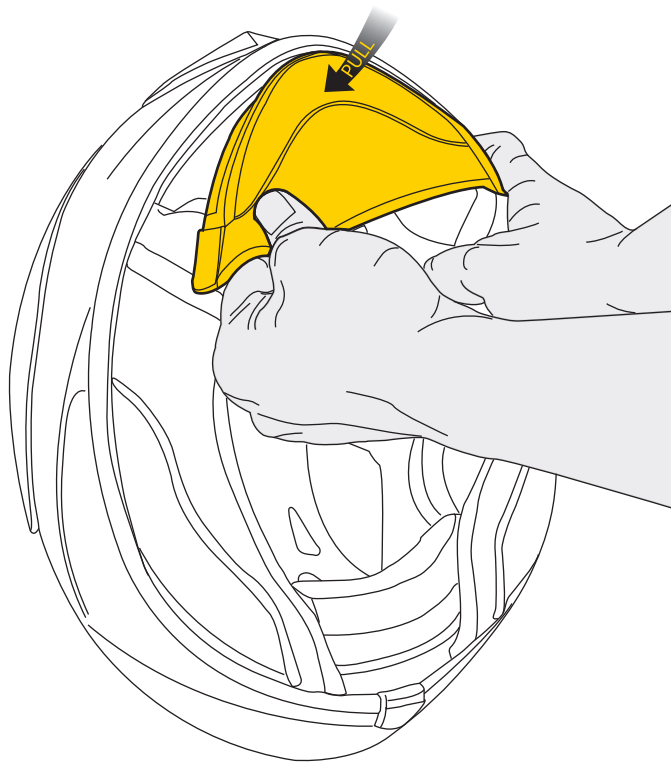


Occasionally the crown liner may require removal for washing, replacement or to change sizes.

1. Remove the cheek pads.
2. At the back of the helmet pull the crown liner away from the shell unsnapping the two snaps.
3. Pull the crown liner out of the helmet while gently detaching it from the forehead channel.

Reverse this process for installation.

## Aero Skirt Removal



The pliable Aero Skirt was designed to reduce wind from entering behind the face shield area, specifically to keep your face warmer in cold weather.

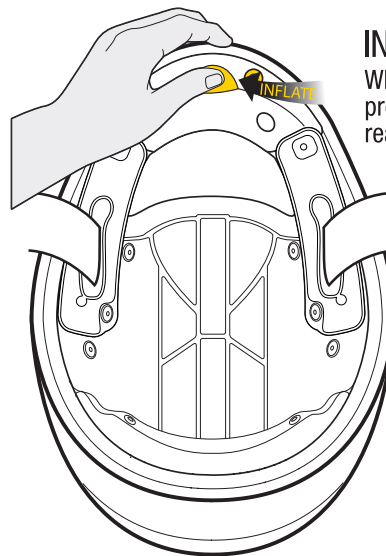
You do however have the option to remove the Aero Skirt for cleaning or for warmer riding conditions.

### TO REMOVE

Simply tug on the Aero Skirt and it slides out of the rubber trim channel.

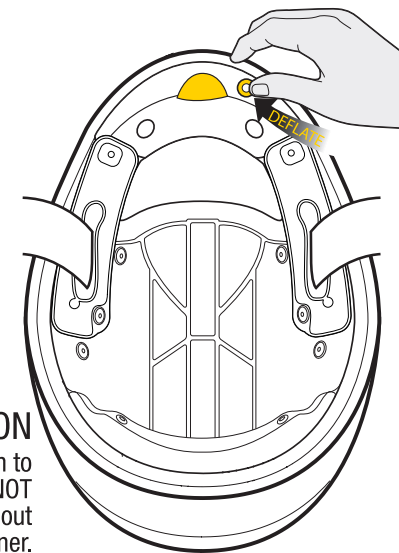
Reverse this process to re-install.

## AirFit® Inflatable Liner



### INFLATION

While wearing the helmet press the large ball until you reach the desired fitment.



### DEFLATION

Press the small button to release the air. DO NOT remove the helmet without first deflating the liner.

### ⚠ WARNING

DO NOT attempt to adjust while riding.

DO NOT modify, puncture, or damage the air bladders in any way. If the air bladders, or any other part of the inflation/deflation system becomes damaged or faulty, please contact your service provider.

NOTE: The Aero Skirt does not require removal to access the AirFit inflate and deflate functions.

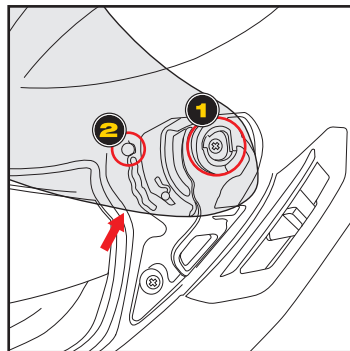
## Faceshield Replacement



**NOTE: THE FACESHIELD CAN ONLY BE REMOVED OR INSTALLED WHEN IN THE FULLY OPENED POSITION!!!**

To remove the faceshield, place the helmet in front of you with the eye port facing away. Ratchet the faceshield up to the fully open position. Using both hands, push up the Y shape release latchet upward and the shield is able to release out of locking mechanism. Then, with both of your thumbs pushing squarely on the center of the Ellip-Tec® II, gently pull or “peel” the faceshield away from the helmet.

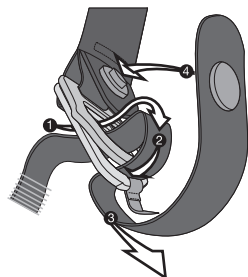
To install the faceshield, make sure the faceshield axis (1) and the stopper (2) are positioned properly as shown in the below picture. Then push the axis (1) first, and then push the stopper (2) strongly so that they can be sat on the right track. Test the faceshield by opening and closing it several times to verify it is properly installed.



**IMPORTANT NOTE:**  
Be sure to latch up the “Y” release latchet while removing the faceshield!

## Securing and Wearing Your Helmet

Do not simply pull your helmet down onto your head like a hat. Your ScorpionExo® helmet should be worn as follows: Using both hands grab the helmet's bottom rim while holding the chin straps with your thumbs. Then “roll” the helmet onto your head starting at the forehead. Continue rolling the helmet on towards the back of the head until it comes to rest with your head fully in contact with the inner lining and cheek pads.



### HOW TO USE CHINSTRAP

- 1 Lead chinstrap through eyelets of both rings.
- 2 Curl back and thread through taller ring with nylon pull-tab.
- 3 Securely tighten strap until comfortable and safe.
- 4 Press and snap buttons together to manage excess strap.

### FIRMLY AND SECURELY FASTEN YOUR CHINSTRAP

Check your chinstrap for tightness occasionally as vibration or wind may loosen it.

## Cleaning Your Helmet System

None of the components of your ScorpionExo® helmet can be damaged by water. All headliners and sweat-wicking cheek pads are machine washable. Wash them with a mild detergent in warm water and allow to air dry. Hand washing is recommended, but machine washing is also permitted. Use the “delicate” cycle to prevent the agitator from damaging the sweat-wicking material covering the liner parts, we recommend to place the parts in a washing bag. Do not place lining parts in the dryer: Excess heat may

damage the foam and coverings. The faceshield may be cleaned with plastic polish or mild soap and water. The shell of your helmet should be cleaned using only a mild detergent and water. NEVER USE PETROLEUM BASED CHEMICALS, SOLVENTS, GASOLINE, CLEANING AGENTS OR ADHESIVES to clean the shell, liners or faceshield of your helmet. Your helmet shell, liner and faceshield may be seriously damaged by the use of such products.

## Warning

For your safety, it is important that you completely read the owner's manual and all warning labels.

## DO NOT

**DO NOT** ride without snugly fastening your chinstrap.  
**DO NOT** clean your helmet with petroleum products, solvents, benzene, thinner or cleaning agents.  
**DO NOT** paint over your helmet's finish without totally protecting and isolating the shock-absorbing liner and plastic parts. Your warranty will otherwise be invalidated.  
**DO NOT** drop your helmet from any height onto a hard surface. This could cause damage to your helmet's finished and/or decrease its ability to protect you.  
**DO NOT** place your helmet on your motorcycle's rearview mirror: The sharp pressure from the mirror's edge will compress and damage the helmet's shock-absorbing liner.  
**DO NOT** place your helmet on the motorcycle's seat or fuel tank. It can easily roll off and hit the ground causing damage to the helmet. It is best to place your helmet on the ground so it cannot fall in any direction.  
**DO NOT** ride with a scratched faceshield. This can impair your vision, especially at night.  
**DO NOT** modify any part of your helmet, e.g., drilling the shell or cutting and pressing the shock absorbing liner. Installation of sound systems, speakers and microphones reduces your helmet's ability to protect you and is not recommended.  
**DO NOT** use the helmet again if it has either been dropped or involved in

an accident. Replace it even if the damage is not visible to the naked eye.  
**DO NOT** wear a dark or tinted faceshield (including the retractable SpeedView® Sunvisor) in dark or poor visibility riding conditions.  
**DO NOT** place your headliners and cheek pads in the dryer after washing. Allow them to air dry.  
**DO NOT** attempt to remove, change or replace your faceshield while riding your motorcycle or ATV.  
**DO NOT** use paint which requires heat curing.

## Warranty

Should you have a warranty claim, please call 888-672-6774 or email [warranty@scorpionusa.com](mailto:warranty@scorpionusa.com) during business hours.

**NOTE:** The warranty is for defects in materials and workmanship only. There is no warranty for the helmets involved in accidents or that have been dropped or impacted.

**YEAR**  
**5**  
**WARRANTY**