



# UNIVERSAL STEP-IN VISOR

OPERATOR'S MANUAL



For Helmets Equipped with  
Ops-Core Accessory Rail Connectors (ARCs)

UM-1033 REV. D

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# INTRODUCTION

## ABOUT YOUR OPS-CORE UNIVERSAL STEP-IN VISOR

The Universal Step-In Visor system is specifically designed to be used with NVGs, but it can also be used without NVGs. This system is compatible with all FAST, SENTRY, and ACH/TBH helmets equipped with Ops-Core Accessory Rail Connectors (ARCs). The close-fitting lens provides protection while not compromising the functionality of NVGs. The visor is also equipped with a removable gasket system to provide scalable protection from debris and brown out conditions. The clear lens can also be swapped out for a variety of different lenses depending on the condition of your mission.

## UNIVERSAL STEP-IN VISOR INCLUDES:

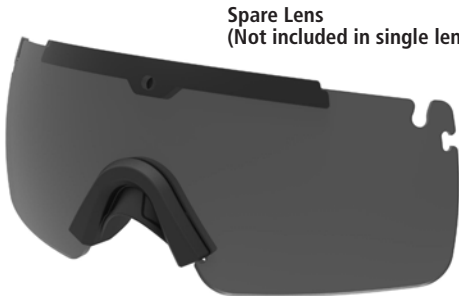


Universal Step-In Visor



Small Rail Clips

Large Rail Clips



Spare Lens  
(Not included in single lens kits)



Lens Care Cloth

# VISOR INSTALLATION

## PRE-INSTALLATION

Before the Universal Step-In Visor can be properly installed you must install the compatible rail clip depending on the rail system you are using.



Small Clip



Large Clip

### Compatible with

FAST High Cut ARCs

FAST Super High Cut ARCs

Sentry ARCs

### Compatible with

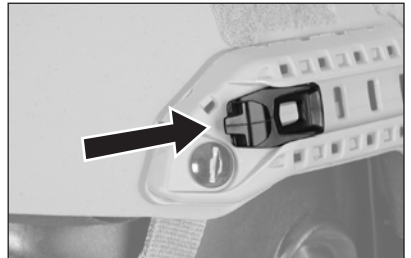
ACH ARCs

ACH Skeleton ARCs

FAST Super High Cut Skeleton ARCs

## 2 INSTALL COMPATIBLE RAIL CLIPS

Guide the rail clip into the front of the rail dove tail and press firmly to lock it into place. Repeat this for the other side.



## 3 ALIGN VISOR AND HELMET SHELL

Align the visor to the center of the helmet by using the NVG shroud.



## 3 ATTACH VISOR BUNGEEES TO RAIL CLIPS

Pull the bungee strap towards the rail clip and secure it by pressing the bungee strap clip into the rail clip. Repeat this for the other side.



# VISOR POSITIONS

## ENGAGED POSITION

The visor can be positioned in a variety of different positions. The engaged position provides the most protection and should be used for training and real-time missions.



## NVG COMPATIBILITY

The Universal Step-In Visor is designed to fit close to the eyes which allows it to fit behind NVGs. This provides protection during night time missions.

# VISOR POSITIONS

## STOWED POSITIONS

The visor can be stowed in a variety of different positions. This allows the user to reposition the Universal Step-In visor during non-combat scenarios for comfort and donning and doffing the helmet.

### STOWED (MID)

This position should be used when donning/doffing the helmet. The position also allows the user to wipe their eyes and easily adjust their chinstrap system.



### STOWED (UP)

This position is typically used when the Step-In Visor is not needed but still needs to be attached to the helmet for quick deployment. This position is also compatible while wearing NVGs.

The Step-In Visor can also be attached to the helmet Velcro via the hook and loop system on the bungee tabs. This allows the user to quickly stow the visor while wearing NVGs.



# VISOR FEATURES

## GASKET REMOVAL

The Side Debris Gaskets can be easily removed to help reduce fogging and promote breathability. Make sure to keep the nose piece attached during use to prevent the lens edge from resting on your nose.

To remove the Side Debris Gaskets grab the rubber tab and pull to the side first, then pull downward in a circular motion. Repeat this step for the other side.



### **NOTE:**

Make sure to keep the nose piece in place during normal use to prevent the lens edge from bottoming out on your nose. The nose piece is removable for cleaning purposes.



# VISOR FEATURES

## BUNGEE TIGHTENING & LOOSENING

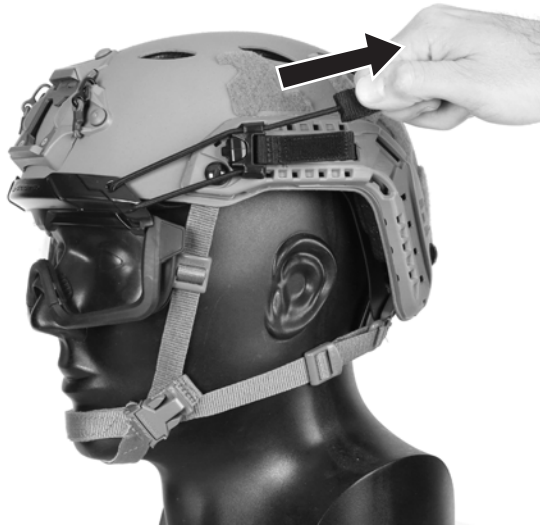
Tightening and loosening the Visor Bungees can be done with one hand and can be performed while the user is wearing the Universal Step-In Visor in the engaged position.

### TIGHTENING

The tightness of the Universal Step-In Visor can be adjusted by grabbing the fabric pull tab and pulling in the direction as shown. There is a cleat that will automatically lock the bungee once the desired tension is achieved. To stow the fabric pull tab you can attach it to the Velcro on the bungee strap.

Once the system is tight, make sure to even out the tension on the bungee so the top and bottom are pulling evenly.

This feature is especially useful during high wind environments such as parachute jumping.



### LOOSENING

To release the tension on the bungee, grab the pull tab and rotate it upwards. Then you can manually feed the bungee back through the bungee strap cleat to the desired tension. Make sure to lock the bungee into the cleat as mentioned above.



# LENS REPLACEMENT

## LENS REMOVAL

The Universal Step-In Visor can be fitted with a variety of different lenses depending on the mission environment. This tool-less feature is explained in detail below.

### 1 PRESS CORNER OF LENS

Use the lens cleaning cloth to grab onto the lens, and with the other hand use your thumb to press the corner of the lens.



### 2 PULL APART

Apply an even amount of force to separate the lens from the hook feature.



### 3 REPEAT ON OPPOSITE SIDE

Move the lens cloth to the right side of the lens and repeat steps 1-2.



### 4 REMOVE ALL GASKETS

Pull off all the gaskets and stow this lens in the inside pocket of the provided bag to protect it from scratches.



# LENS REPLACEMENT

## LENS INSTALLATION

This procedure will walk you through how to install a lens into the Universal Step-In Visor.

### 1 INSTALL LENS GASKETS

Reinstall the gaskets and make sure to start with the side baffles first, then the nose. It may require a slight up and down motion to get the gaskets to seat properly onto the lens.



### 2 ALIGN CENTER OF LENS

Locate the pin on the plastic frame and align it to the hole on the lens. It is easier to hold the lens at a small angle from the frame as shown.



### 3 SECURE CORNER OF LENS

Using the lens cloth, grab the lens in one hand and the frame in the other. Apply pressure to the lens and frame until you hear a positive lock sound.



### 4 REPEAT ON OPPOSITE SIDE

Move the lens cloth to the right side of the lens and repeat step 3.



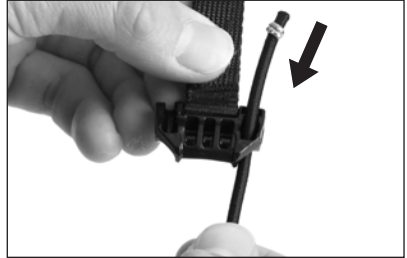
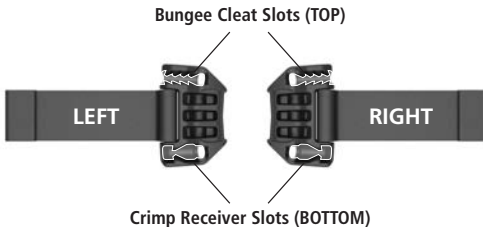
# BUNGEE REPLACEMENT

## REPLACEMENT BUNGEE INSTALLATION

The Visor Bungee's can be easily replaced if they get worn or start to lose their elasticity.

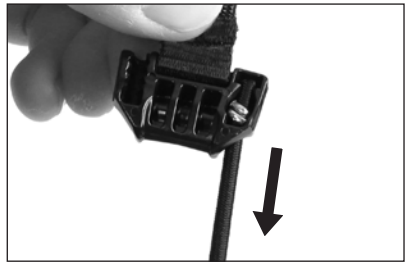
### 1 THREAD BUNGEE THROUGH CRIMP RECEIVER SLOT

Identify the correct Bungee Strap Clip (left or right), and thread the non-crimped end of the bungee through the side with the Crimp Receiver Slot as shown.



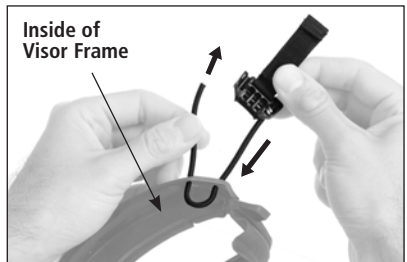
### 2 ENGAGE BUNGEE CRIMP

Push the end of the crimp into the hole and use a small flat head screw driver to push the bungee into place.



### 3 THREAD BUNGEE THROUGH VISOR FRAME

Weave the bungee through the visor frame as shown. The bungee should loop behind the frame.



### 4 THREAD BUNGEE THROUGH BUNGEE CLEAT SLOT

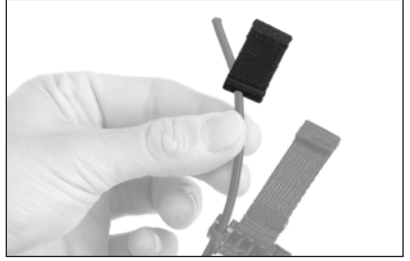
Feed the bungee through the Bungee Cleat Slot as shown.



# BUNGEE REPLACEMENT

## 5 THREAD BUNGEE THROUGH PULL TAB OPENING

Locate the small pull tab hole and run the excess bungee through.



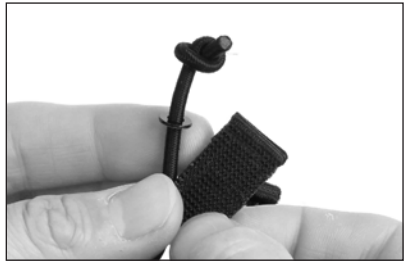
## 6 INSTALL BUNGEE WASHER

Slide the nylon washer over the end of the bungee.



## 7 KNOT END OF BUNGEE

Tie a knot and pull tight. Leave  $\frac{1}{4}$ " of the end exposed to prevent the knot from coming loose.



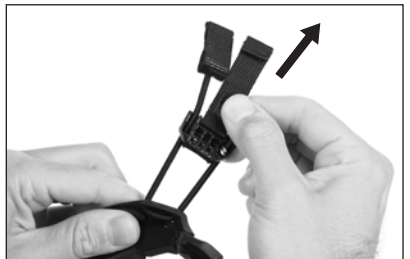
## 8 STOW KNOT AND WASHER INSIDE PULL TAB

Stuff the knot and washer inside the pull tab.



## 9 PULL TO ALIGN BUNGEE

Even out the bungee tension and repeat steps 1-9 for the other side.



# LENS CARE

## LENS PROTECTION AND CLEANING

The Step-In Visor Lenses are coated with a hard coating on the outside to protect against scratches and light abrasions. The inside is coated with a highly advanced anti-fog coating.

- To clean the lens use the included lens cleaning cloth to first lightly brush away any particles.
- Then use a slightly firmer pressure to clean away any sweat or grim buildup.
- The gasket parts can be washed with mild soap and water.

# WARRANTY

## GENTEX CORPORATION LIMITED WARRANTY

Unless an individual product is covered by a separately issued warranty, Gentex warrants that all ballistic helmet shells will be free from defects in material or workmanship under normal use and service for a period of five (5) years from the date of delivery. Unless an individual product is covered by a separately issued warranty, Gentex warrants that all helmet components, accessories, peripherals, and parts will be free from defects in material or workmanship under normal use and service for a period one (1) year from the date of delivery. All repair covered by this warranty shall be performed at Gentex's factory, or other such warranty repair facilities of Gentex as designated by Gentex unless Gentex specifically directs that repair services be performed at another location. Any defect corrected and found to be within this scope of the warranty will be repaired by Gentex and all charges for labor and material will be borne by Gentex. If it is determined that either no fault exists in Gentex, or the damage to be repaired was caused by negligence of the user, its agents, employees or customers, you agree to pay all charges associated with each such repair. No statement, recommendation or assistance made or offered by Gentex through its representatives to the user, its agents, employees, or customers in connection with the purpose or intended use of any Gentex's product shall be or constitute a waiver by Gentex of any of the provisions of this warranty or change Gentex's liability under this warranty.

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Any tampering, misuse or negligence in handling or use of the product renders the warranty void. Further, the warranty is void if, at any time, the user, its agents, employees or customers attempts to make any internal changes to any of the components of a product; if at any time the power supplied to any part of the product exceeds the rated tolerance; if any external device attached by the user, its agents, employees or customers creates conditions exceeding the tolerance of the product; or if any time the serial number plate is removed or defaced. OPERATION OF THE PRODUCTS THAT RENDERS THIS WARRANTY VOID WILL BE DEFINED TO INCLUDE ALL OF THE POSSIBILITIES DESCRIBED IN THIS SECTION, TOGETHER WITH ANY PRACTICE THAT RESULTS IN CONDITIONS EXCEEDING THE DESIGN TOLERANCE OF THE PRODUCTS.

