

# ST#143-SH (Bump cap with built-in face shield) instruction manual



Please read both this manual and the "ST#143-SH Instruction Manual" to the end before use, and fully understand the contents before use. After reading, save it in a safe place and read it when necessary.

## For safe use

### Warning (causes serious damage to life, face and eyes)

- This is a bump cap, and does not protect the head in dangerous work places or similar places or work specified in the Occupational Safety and Health Regulations.
- Never use in places where there is a risk of flying, falling objects or falling.
- Never use it when riding a bicycle or motorcycle. This is not a bicycle / motorcycle helmet.
- Do not use items that have received a large impact even once. The strength of the material may be reduced.
- Do not use items for which abnormalities are found during pre-work inspection.
- Do not modify or process. There is a risk of reduced strength and performance.
- Do not use for anything other than protecting your eyes and face from small flying objects such as dust and chemicals.
- Do not use for shielding ultraviolet rays, infrared rays, and intense visible light. There is a risk of eye damage and blindness.
- Read this instruction manual carefully and pull out the face shield correctly before use. Inadequate drawers narrow the face shield and reduce protection from flying objects.

### Caution (Affects function and performance and injures eyes and face)

- Read this instruction manual carefully and adjust the headband correctly.
- If the suspension becomes dirty or the face shield is damaged and visibility is impaired, replace it.
- When pulling out or storing the face shield while wearing a safety helmet, check the safety against flying objects.
- When using in a dusty environment, remove the dust before storing the face shield. This is to prevent scratches on the face shield.
- If you handle chemicals that affect your eyes and cannot protect yourself from flying objects due to factors such as working posture and flying conditions, use safety goggles together.
- Avoid using the product for a long time or leaving it for a long time in a place with a high temperature of 50 °C or higher or in a place exposed to direct sunlight. In this case, discoloration or deformation will occur and performance will deteriorate.
- When replacing parts, use the parts specified by us. Performance cannot be maintained with incorrect parts or similar products.

## Maintenance management

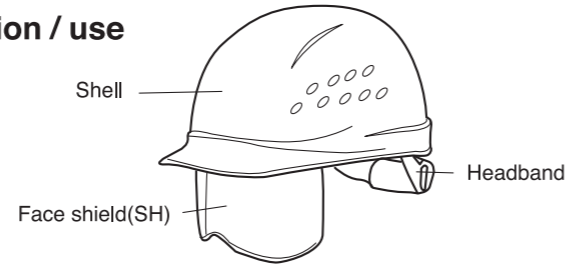
- Always clean
  - Dirt on the face shield can cause eye fatigue and damage to the face shield.
  - Wipe off dust with a soft, clean cloth. Do not wipe with dirty gloves, towels, cloth, etc.
  - Do not wash with thinner, alcohol, gasoline or other chemicals. This will reduce the performance of the face shield, shell, and shock absorbing liner.
- If you receive an impact
  - Do not use a face shield (including shell) that has received a large impact.
  - If the impact received is small, check carefully for scratches, cracks, chips, etc., and check the safety before use.
- When not using for a long time
  - Clean each part, store the face shield in the shell, and store it in a plastic bag together with the safety helmet.
  - Do not store in places with high temperature, high humidity and direct sunlight.

## Time for replacement

It depends on your environment, frequency, and storage conditions. Replace after confirming the following conditions.

- Please order the parts to be replaced from our "same model".
- When the face shield has a lot of scratches, stains that cannot be removed, or it becomes difficult to see due to a decrease in transparency.
- When the face shield has large scratches, cracks, chips, or deformation
- When you receive a big impact even once.

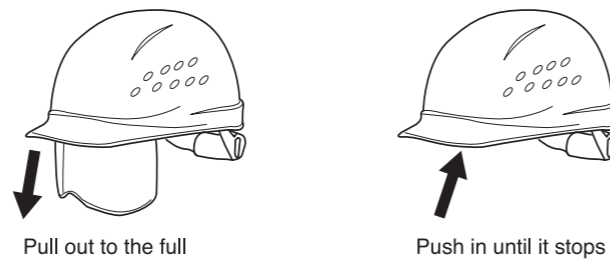
## Function / use



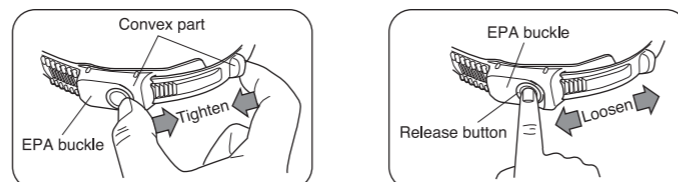
This is a bump cap, not a safety helmet. Helps reduce injuries when hitting your head against a stationary object. The face shield protects the eyes and face from flying objects and is useful for work that generates dust, chemicals, and other droplets. However, we do not guarantee that you will be able to prevent eye and face damage to all flying objects.

## How to use

- The face shield is stored inside the shell. Before putting on the helmet, pull out the face shield and perform the following inspections.
  - Are there any large scratches, beauty, chips, or deformation?
  - Is the transparency bad?
- Operation of face shield
  - When lowering the face shield. Please take it down to the end. (If you grab the center and pull it out, it will work smoothly)
  - When storing the face shield Push it all the way in.



- Headband adjustment
  - Adjust the headband according to the size of your head. Improper adjustment of the headband can cause it to wobble or come off during use.
  - Insert the belt into the EPA buckle.
  - Tighten the convex parts (2 places) of the size adjustment lever with your fingers to fit the head.
  - When overtightened While pressing the release button, loosen and adjust.



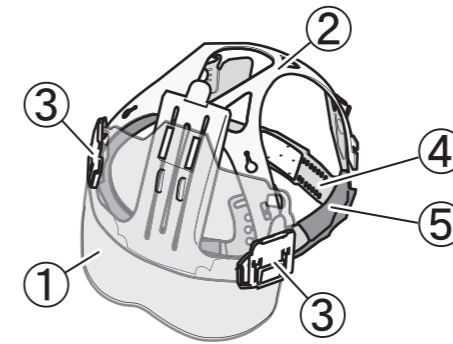
# ST#143-SH (Bump cap with built-in face shield) instruction manual



This page explains how to replace the suspension of the bump cap ST # 143-SH. Please read this manual carefully and replace it correctly.

Replacement suspension parts configuration

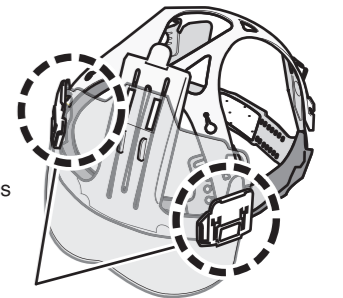
- ① Face shield
- ② Hammock
- ③ Hammock mount parts
- ④ Headband
- ⑤ Sweat band



Check before installation

The front hammock mount parts hold the face shield.

Check that the hammock mount parts are on the top of the face shield before installing.



Hammock mount parts (in front)

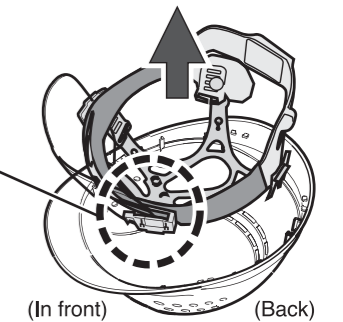
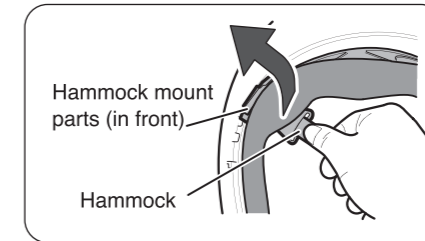
## How to replace the suspension for ST#143-SH

### 1. Removal of old suspension

- Remove the suspension from the shell.

#### 【How to remove Hammock mount parts】

If you push up the hammock from the front as shown on the right, the mount parts will come off the shell. There are 4 mount parts.



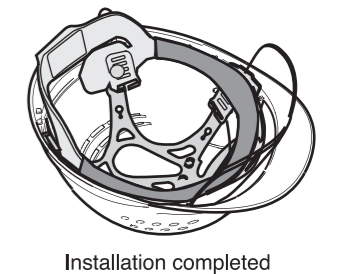
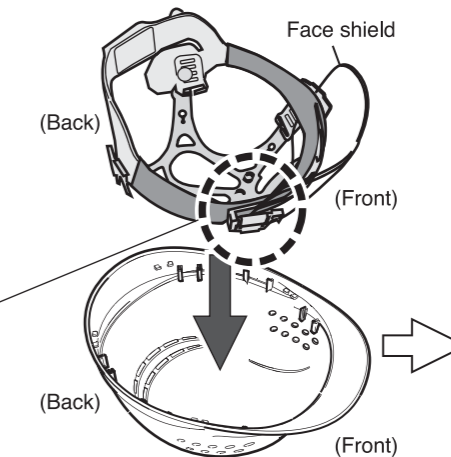
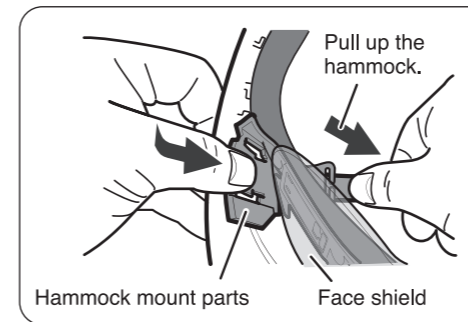
(In front) (Back)

### 2. Installation of new suspension

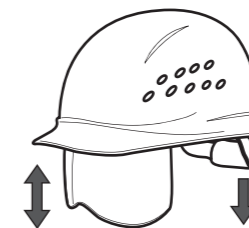
- Remove and install according to the customer's procedure.
- Attach the face shield to the shell so that it faces forward.
- Pull out the face shield and attach it in order from the hammock mount parts on the back side of the shell.

#### 【How to install Hammock mount parts (in front)】

Insert your finger between the face shield and the mount parts, and pull up the hammock while pressing the mount parts against the shell side as shown in the figure below.



Installation completed



- Check the movement of the face shield.
- Pull on the headband or hammock and check that the attached parts do not come off.
- When storing the face shield, a part of the face shield hits the shell, but there is no problem.



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