



QUANTUM-X & SIGNET-X

**OPERATION INSTRUCTIONS**

For your safety, it is important that you completely read the instructions and warnings.

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## TO OPEN/CLOSE SHIELD

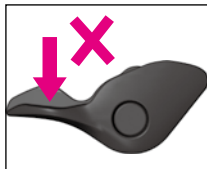
To open, push the shield latch lever up and the shield will open slightly.



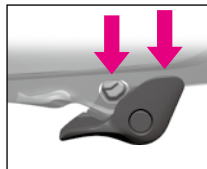
Then pull the bulge on the shield slightly outward so the shield clears the latch post on the helmet, and raise the shield.



**WARNING:** Do not attempt to open the shield without using the latch system, or push down on the shield latch lever, as damage to the latch system may occur.



To close, push the shield down until the latch post fully engages the shield and the latch lever captures the bottom of the shield.



**WARNING:** Be sure to latch the shield properly before riding. If not latched securely, the shield may open unexpectedly from wind pressure, vibration or even normal head movement.

If shield operation becomes stiff, flexing excessively as you raise or lower it, apply one or two drops of supplied silicone lubricant around sliding slot and brass stud, and wipe off with soft tissue paper for shield operation maintenance. If shield is dirty, clean before applying silicone.



**WARNING:** If your shield becomes too scratched or uncleanable, replace it with a new one. Impaired visibility causes accidents. Use a solution of mild soap or detergent and lukewarm water to clean your shield. Rinse well with clean water, and wipe off with a soft cloth. Never use petrol, thinner, benzene or any other solvents. There are many “aggressive” cleaners on the market, including some supposed to be specifically for use on shield. Arai strongly recommends that you do not use any such products to clean your shield as some of their ingredients may have damaging effects on the shield and other plastic parts installed on your helmet. Do not apply stickers or adhesive tape to the shield, as this will weaken the hard coating. If tinted, the shield is for daylight use only.

## TO OPERATE DEMIST SYSTEM

A demist function is incorporated in the shield latch system to allow more rapid clearing of any interior mist with the shield remaining partially latched. Push the shield latch lever up to release shield into the demist position to assist moisture dispersal.



To close the shield completely, push the shield down until the latch post fully engages the shield and latch lever captures the bottom of the shield.



## TO OPERATE BROWVENTS

The Browvents are operated from fully closed through intermediate, to fully open positions by simply pulling the vent control down to open, pushing up to close.



## TO OPERATE MOUTHVENT

The Mouthvent is operated by simply pulling the vent control down to open, pushing up to close.

When the vent control is fully open, air is directed up along the interior surface of the shield to help prevent fogging.



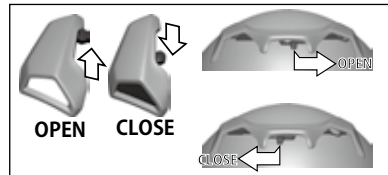
When it is in its mid-way position air is channeled back to further enhance the airflow around the mouth and nose to help move hot moist air out faster.



## TO OPERATE TOP VENTS

Simply push the switches/levers on each vent to open/close the vents.

**NOTE:** Do not use oils or waxes to lubricate vents or other moving parts. If you must lubricate such components, sparingly use the silicone lubricant supplied with your helmet for eyepoint trim dressing.



## TO REMOVE/REPLACE BREATH DEFLECTOR

To remove, grasp either side of the edge and pull upward and toward to opposite end.



To install, first insert the center of the deflector in the receiving slot and then push in the sides working from the center outwards.



**NOTE:** If you do not use the deflector we recommend you to install Anti-mist spacer (optional) in this place as it actually acts as an anti mist ducting device.

## TO REMOVE/REPLACE CHIN COVER

**WARNING:** DO NOT pull Chin Cover. Read instructions completely before attempting removal. Failure to do so may result in damage to the cover and/or helmet.

To remove, begin with the helmet upside down on a table or in your lap.

Grasp the Chin Cover as shown and slide/rotate the entire cover to the left by approximately 2cm (3/4) ①. Lift the cover out ②.

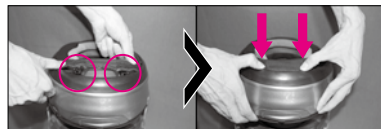


To replace, begin with the helmet upside down on a table or in your lap.

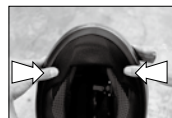
Pull Airflow Spoiler down to its fully open position.



Center Chin Cover over the spoiler and position the two mount clips between the spoiler and shell. With both thumbs press both clips down until you feel and hear a positive "click"



Press the remaining right and left clips down until you feel and hear a positive "click".



Lay plate of the Chin Cover on the bottom edge as shown. Repeat for the other side.



## TO OPERATE AIRFLOW SPOILER

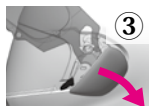
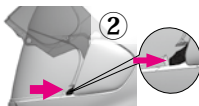
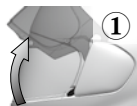
To deploy the spoiler in the down position, simply pull it down by grasping the center of its chin curtain.

To retract, simply push it up with the heel of your hand.

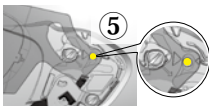
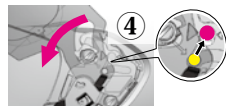


## TO REMOVE/REPLACE SHIELD

To remove, place shield in the fully open position ①. Push the side pod release lever from the front edge of the side pod backward ② to release the side pod ③.



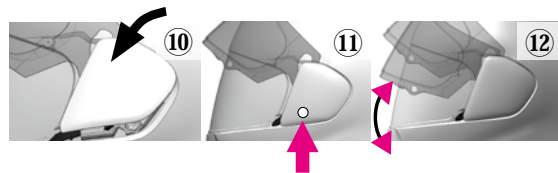
Then lower the shield until the brass stud of the shield moves into the red hole of the base plate ④. Remove the shield from the spring clips ⑤ & ⑥, and repeat for the other side.



To replace, position the shield on the base plate so that the lower part of the sliding slot of the shield is over the spring clip of the base plate and the brass stud is in the red hole of the base plate ⑦. Press the shield onto the spring clip, and then fully raise the shield until the brass stud falls into the sliding slot of the base plate ⑧ & ⑨.



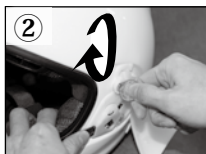
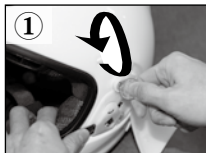
Position top hook on the backside of the side pod into the top tab of base plate ⑩, align the side pod with the recess of the helmet shell and push the lower part of the side pod down firmly until it clicks into place and is fully captured by the base plate ⑪. Repeat for the other side. Work the shield up and down to confirm proper operation ⑫.



## TO REMOVE/REPLACE BASE PLATE

To remove, first remove the shield. Remove two screws from each base plate with a flat blade screwdriver or a coin ①. Remove plates from helmet shell. Note the right and left base plate for proper reinstallation.

To replace, place base plate over the threaded screw receptacles in the helmet. Install the two screws through each base plate into the helmet finger tight ②, do not fully tighten. Install shield, lower the shield to fully closed position and press the front center of the shield to bring it against the eyepoint trim. While still pushing on the shield to keep a tight seal against the eyepoint trim, tighten the base plate screws ③ – but be careful not to overtighten, as the screws may break. It may be necessary to do one side at a time, with a smoothing pressure from the shield center toward each base plate and tightening one and then the other for best results.



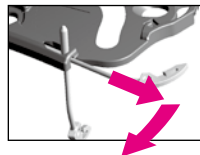
## TO REMOVE/REPLACE TETHER

To remove the tether connecting the side pod and base plate, compress the tether spring hook at the side pod.

Pull the tether out from the slot .

To remove tether from the base plate, remove base plate from helmet. Pull tether until it stops, then bend it toward the back of the base plate to release it.

To reinstall, reverse the removal procedure.



## TO REMOVE/REPLACE CHEEKPAD

When first servicing the cheekpads, it is suggested that you do only one at a time so that the other can be used as a reinstallation guide.

To remove the cheekpads, first undo chinstrap.

Lift up the neckroll tab ①, which is inserted under the black covering at the forward lower edge of the pad assembly.



Pull the pad toward the rear of the helmet ②.

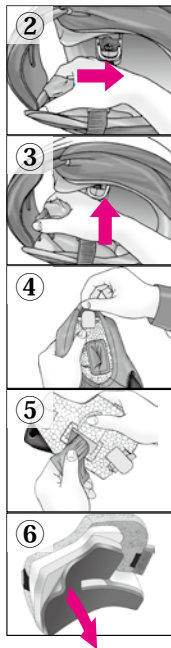
Then inward to release ③ and slide it off the strap.

To take off fabric covering for washing, peel the covering off until all the fabric is on the face side surface ④.

Then draw the covering through the opening by grasping the rectangular collar to pull through the pad ⑤.

**NOTE:** The cheekpad is equipped with a 5mm surface foam layer. The layer is removable to offer a bit more room if desired. Gently remove it from the pad. Once removed this foam layer will not reattach securely ⑥.

**WARNING:** Never use petrol, thinner, benzene or any other solvents. Even mild and seemingly harmless chemicals can cause damage over a short period of time.



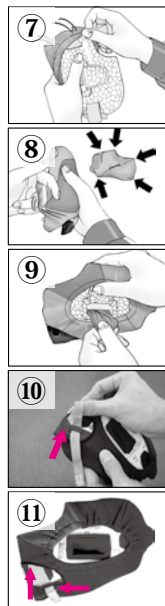
To replace fabric covering, ensure it is turned right side out, and stretch the covering over pad ⑦.

Adjust the covering to lie smoothly ⑧.

Then push the rectangular collar through the pad assembly and adjust into final position, making sure it is not twisted ⑨.

If tab that says EMERGENCY TAB is drawn out, draw back the strap of the tab until it stops at the guide ⑩.

Fold flat and cover the strap of the tab with the fabric covering as shown ⑪.

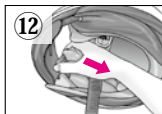


**WARNING:** Do not allow more than the tab of the strap to be exposed outside the guide on the cheekpad, as the strap loop may be caught by projecting objects when riding.

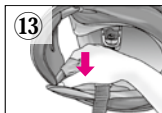


To replace cheekpad in helmet, slip pad onto strap.

Place the rear tab toward the rear of the helmet ⑫ .



Push the forward part of pad until the front tab is locked in place ⑬ .



Replace the neckroll tab into place ⑭ .



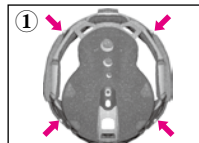
**ABOUT EMERGENCY RELEASE SYSTEM:** The EMERGENCY RELEASE SYSTEM is to smoothly remove cheekpads that may be a hindrance when rescuers attempt to remove helmet from an injured helmet wearer. With the label that says EMERGENCY TAB located between the shell and the cheekpad at each side, rescuers can recognize that the helmet is equipped with the EMERGENCY RELEASE SYSTEM and the cheekpads can be removed by pulling the tab downward.

**WARNING:** The EMERGENCY RELEASE SYSTEM is for “emergencies only” and should not be used for routine, everyday removal of the cheekpads, otherwise cheekpad damage may occur.

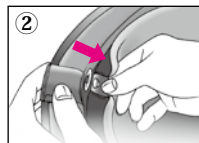
**WARNING:** Rescuers need to have sufficient knowledge and training about this system. The Emergency Tab may not always be an effective measure to securely remove cheekpads depending on circumstances of accident or condition of injured wearers.

## TO REMOVE/REPLACE COMFORT LINING

The comfort lining is secured to the helmet by plastic bosses ①.



To remove the lining, undo bosses by grasping the lining as close to each boss as possible ② .



Pulling straight up ③. Note the fore & back, top & bottom sides of the lining for replacement.



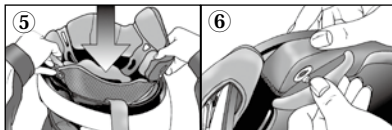
**NOTE:** The lining is equipped with a 5mm surface foam layer. The layer is removable to offer a bit more room if desired. Gently remove it from the pad. Once removed this foam layer will not reattach securely ④.



To wash the comfort lining, put it into lukewarm water with small amount of laundry soap or your own shampoo and wash gently by hand. Rinse well with fresh water and wipe off with a soft cloth. Dry it in the shade at ambient temperature.

**WARNING:** Never use petrol, thinner, benzene or any other solvents.

To replace the lining, place the bosses over their plastic receptacles and push them home ⑤&⑥.

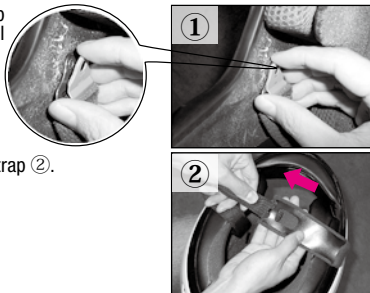


**WARNING:** When reinstalling the comfort lining, be sure the lining is properly positioned along the inside shape of the EPS (a.k.a. Styrofoam) liner. If the comfort lining is not properly installed, the frame of the comfort lining may fold when you put on and take off the helmet, which may injure your skin, etc. Whenever you feel something is wrong with the comfort lining, check that the lining is properly installed.

## TO REMOVE/REPLACE CHINSTRAP COVERS

To remove the chinstrap covers, first remove the cheekpads as per previous instructions.

Remove the plastic chinstrap anchor cover from the steel chinstrap anchor ①.

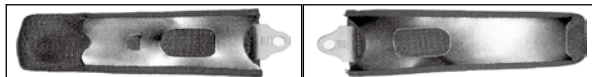


Slide the cover off the chinstrap ②.

**NOTE:** The right and left, inside and outside of the chinstrap covers for replacement.

Left chinstrap cover (D-ring side)

Right chinstrap cover (long side)



To wash the chinstrap covers, put them into lukewarm water with small amount of laundry soap or your own shampoo and wash gently by hand. Rinse well with fresh water and wipe off with a soft cloth. Dry them in the shade at ambient temperature.

**WARNING:** Never use petrol, thinner, benzene or any other solvents.

To replace the left chinstrap cover (D-ring side), ensure the female chinstrap end snap side of the chinstrap and the leatherette side of the chinstrap cover both face outward, slip the chinstrap cover onto the chinstrap ①.



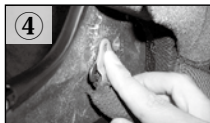
Position the plastic chinstrap anchor cover over the steel anchor and push the cover in the anchor until the tab on the back of the cover snaps fully home ②.



To replace the right chinstrap cover (long side), ensure the cap side of the chinstrap end snap (Arai logo impressed) on the chinstrap and the leatherette side of the chinstrap cover both face outward, slip the chinstrap cover onto the chinstrap ③.



Position the plastic chinstrap anchor cover over the steel anchor and push the cover in the anchor until the tab on the back of the cover snaps fully home ④.



Rotate it to either direction by 3cm – 4cm (1-1/4" – 1-1/2").



Remove it from the helmet .



To wash the neckroll, put it into lukewarm water with small amount of laundry soap or your own shampoo and wash gently by hand. Rinse well with fresh water and wipe off with a soft cloth. Dry it in the shade at ambient temperature.

**WARNING:** Never use petrol, thinner, benzene or any other solvents.

To replace, insert the neckroll frame into the slot of the helmet . Centering the neckroll on the helmet .

## TO REMOVE/REPLACE NECKROLL

First remove the cheekpads as per previous instructions.

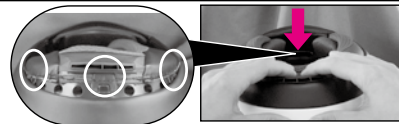
To remove, pull out the neckroll end tabs, which are inserted into the chin center pad at both sides .



Grasp center of the neckroll firmly .



Further insert the frame so that the 3 tabs on the frame are locked in the slot of the helmet .



Replace the neckroll end tabs , and replace the cheekpads



Helmet Specifications Subject to Change Without Notice.

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