

HardCabs

A DFK AMERICA COMPANY

INSTALLATION INSTRUCTIONS

CAN-AM

COMMANDER 1000 LIMITED



SAFETY INSTRUCTIONS

Warning: Failure to heed all safety and operating instructions and warnings regarding use of this product can result in serious bodily injury.

READ PROPERLY COMPLETE ASSEMBLY INSTRUCTIONS BEFORE STARTING OF ASSEMBLY

Install all parts indicated in assembly instructions. Failure to fully assemble product before use could result in personal injury.

Assembly of product requires use of hand or power tools. If you are not experienced in using these types of tools, have product dealer do the install for you.

Some parts contain sharp edges, wear protective gloves if necessary.

Always keep your assembly area clean, uncluttered and well lit.

Keep visitors and children a safe distance away from the assembly area. Visitors should wear the same safety equipment described under.

Never operate your UTV with the cab doors open. Failure to properly latch the doors before moving the vehicle could result in serious injury.

Dress for safety. DO NOT wear loose clothing, gloves, neckties or jewelry if using power tools to assemble this product.

Insert all nut covers after you finish installation.

Never drive your UTV with the cab front window in open position. Failure of improperly latching/locking the front window before driving the vehicle could result in serious injury.

MAINTENANCE AND CLEANING

To clean polycarbonate surface use soapy water solution or other subtle means.

Dirt and dust wash by gently water stream and swipe only with wet or damp means in the direction from top to bottom.

The recommended frequency of cleaning of polycarbonate part is about 1 time per month or according to the actual degree of pollution.

***Do not use detergents that could scratch the surface plates.
(abrasives, harsh fabrics, etc.)***

***Do not use solvents or alkaline detergents or cleaners with ammonia
(ammonium hydroxide).***

Do not remove the impurities from the surface of the razor blades or other sharp items.

Do not clean cabin when the polycarbonate plates are heated by the sun.

Do not use the squeegee, it could be scratched surface plates.

Do not clean the water current strength greater than 50 bar (WAP)




The manufacturer is not responsible for scratching the surface in case of failure to comply with the above instructions.


All bolted connections of cab must be by user at regular intervals checked and tightened.

TOOLS NEEDED

Not included

		
<p>Ratchet handle</p>	<p>Socket beg 19 mm (0,75 in)</p>	<p>Socket beg 13 mm (0,51 in)</p>
		
<p>Socket beg 10 mm (0,39 in)</p>	<p>Socket beg 8 mm (0,31 in)</p>	<p>Metric wrench 19 mm, 13mm and 10mm</p>
		
<p>Screwdriver philips</p>	<p>Screwdriver straight</p>	<p>Hex key 5, 6 and 8 mm</p>

		
<p>Utility knife</p>	<p>Drill ϕ 8mm (0,31-0,33 in)</p>	<p>Drill ϕ 20-23mm (0,79-0,91)</p>

		
<p>Isolating tape clear OR black</p>		

PREPARATION FOR INSTALLATION:

Uninstall all additional systems from the roller cage (work lights, rear mirrors, drink holders etc.)
Uninstall all parts and assemblies of the original cab.



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If you think, you need use our cab (probably in summer) without the doors, you can insert the side safety nets under the seats. Uninstall the side safety net's upper screws (in red circles) and pull down the nets. Save the safety net's screw carefully, you need these later.



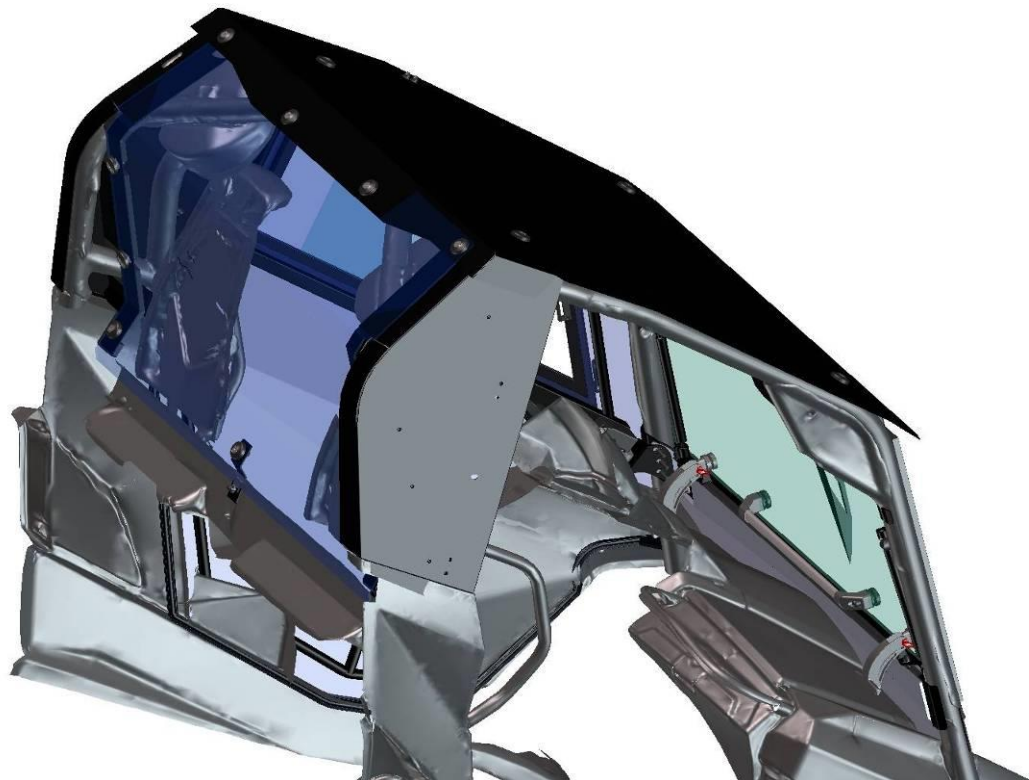
View onto the save net under the seat.



CAB PREVIEW
LEFT FRONT VIEW

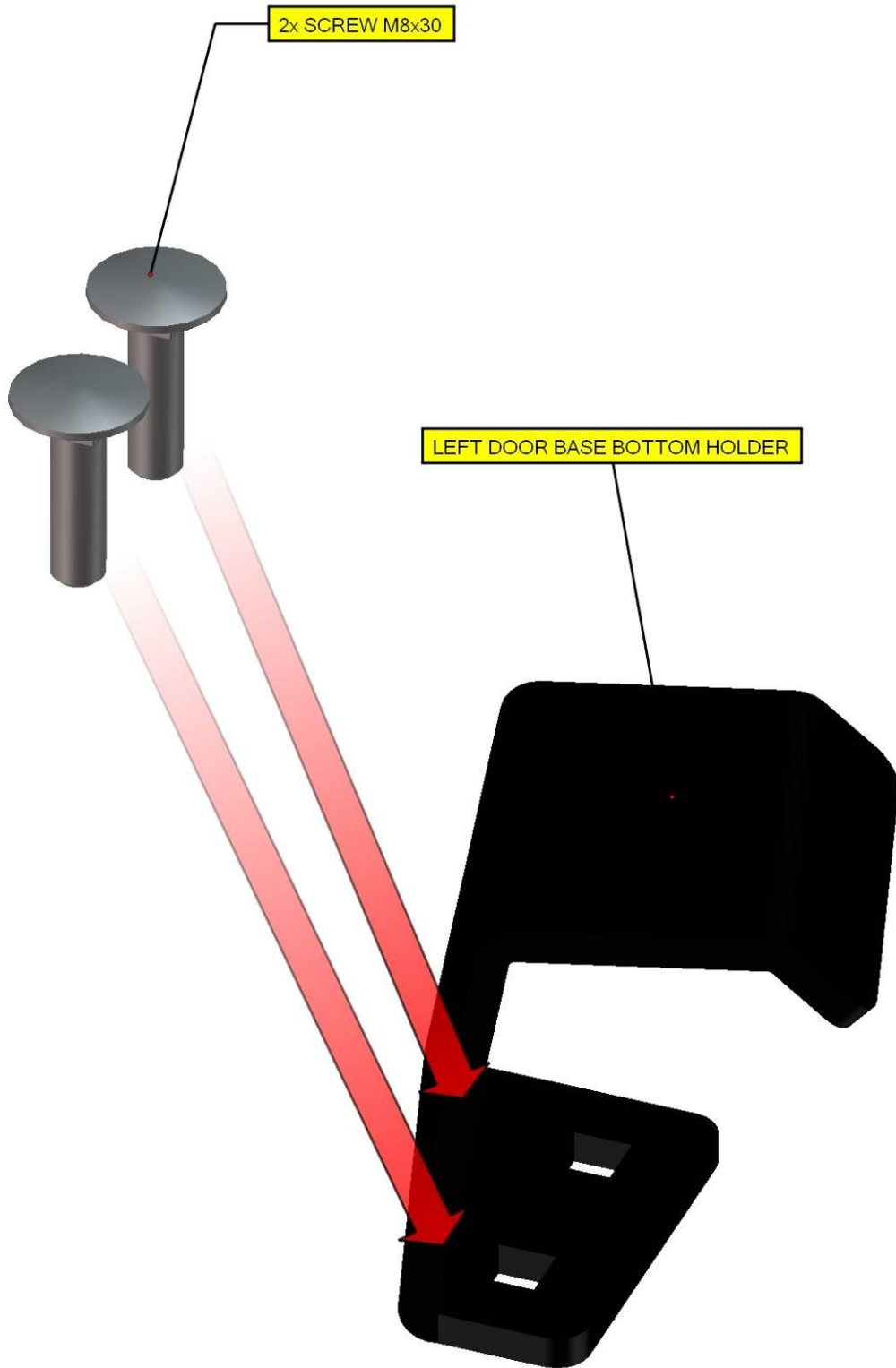


RIGHT REAR VIEW

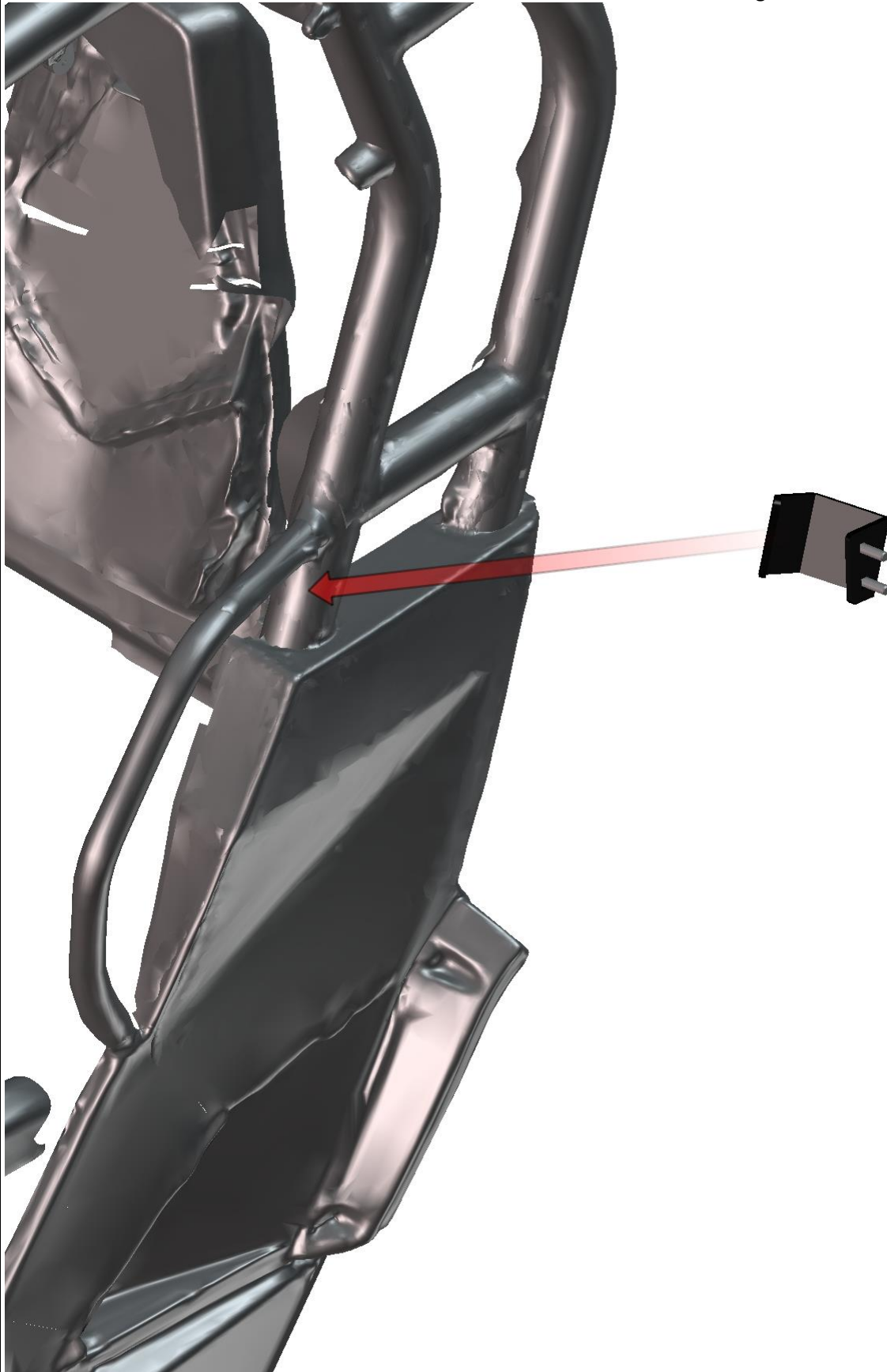


REAR PANEL

Insert self-locking screws into the door base bottom holders.



Place the left door base holder onto the UTV's roller cage.

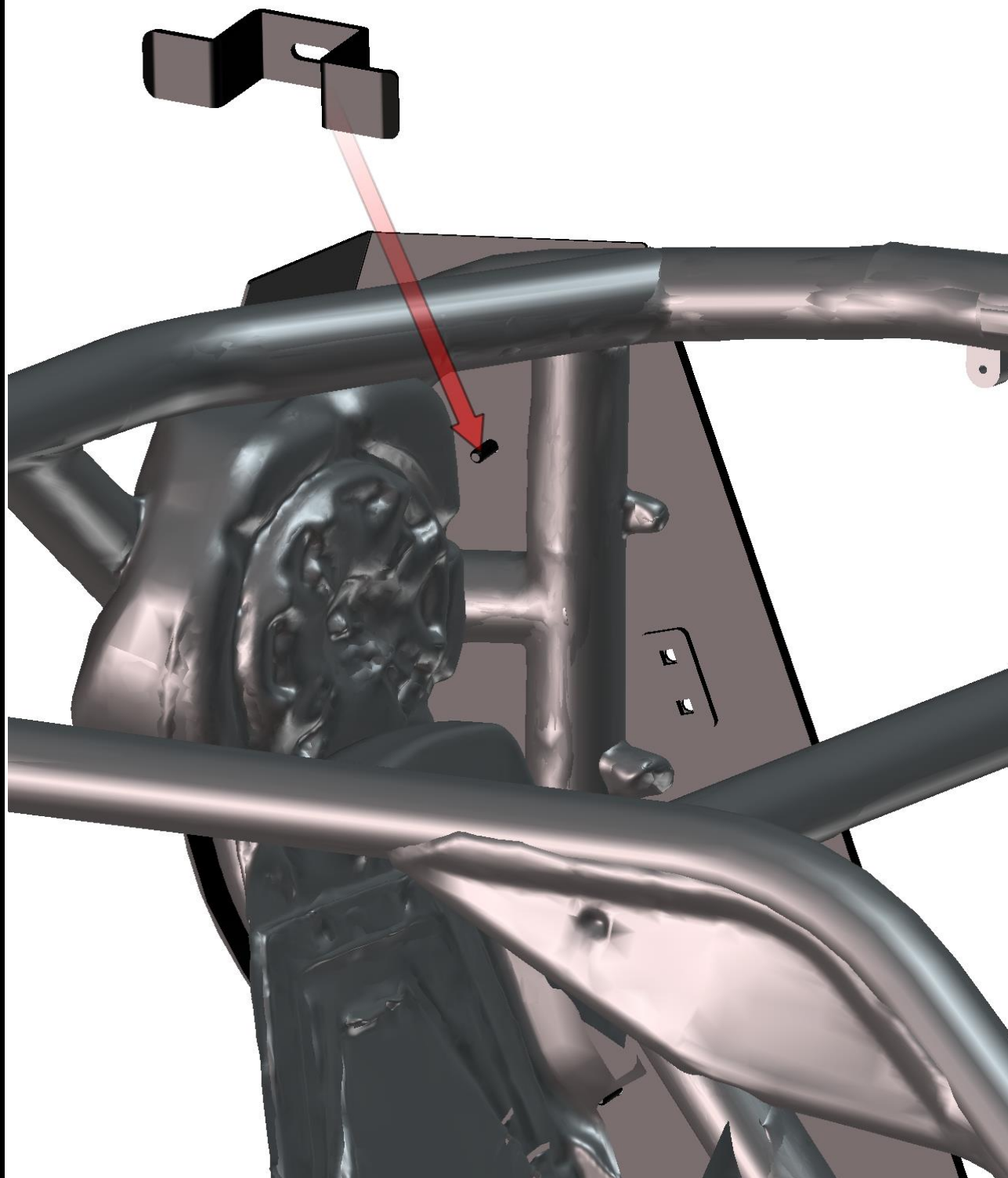


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Place the left door base onto the roller cage and onto the screws in the holder.

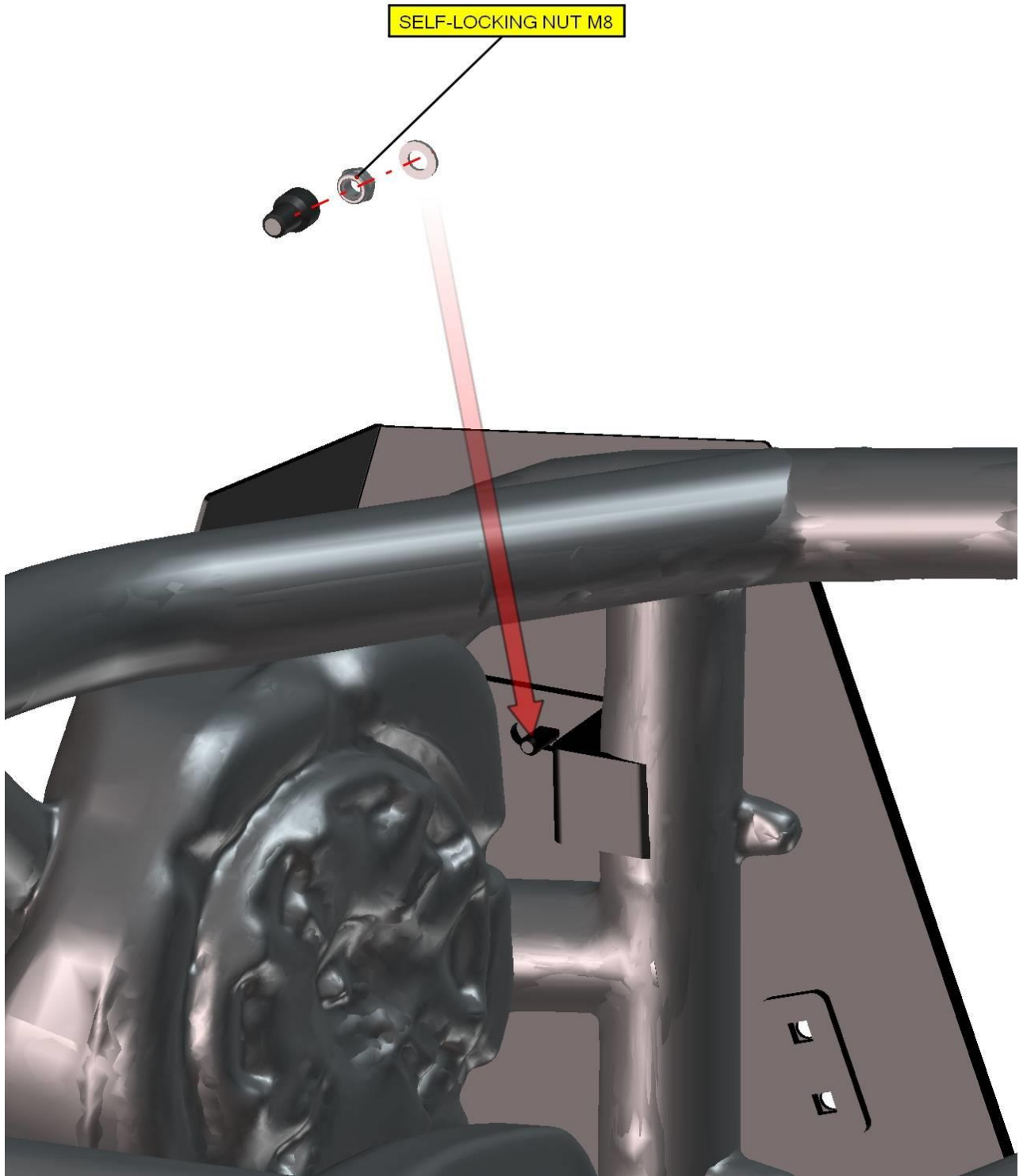


Place the door base upper holder onto the door base and onto the roller cage.

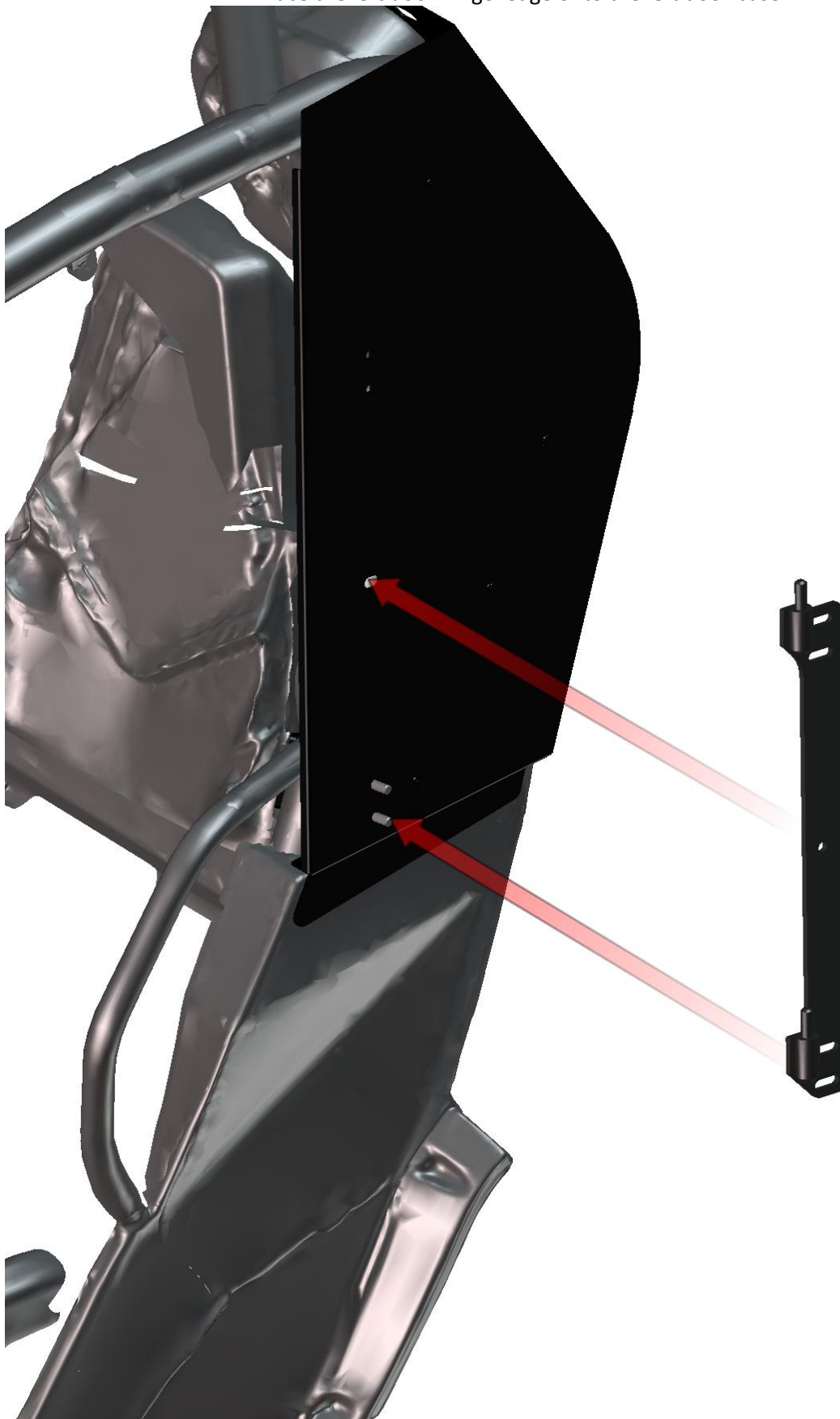


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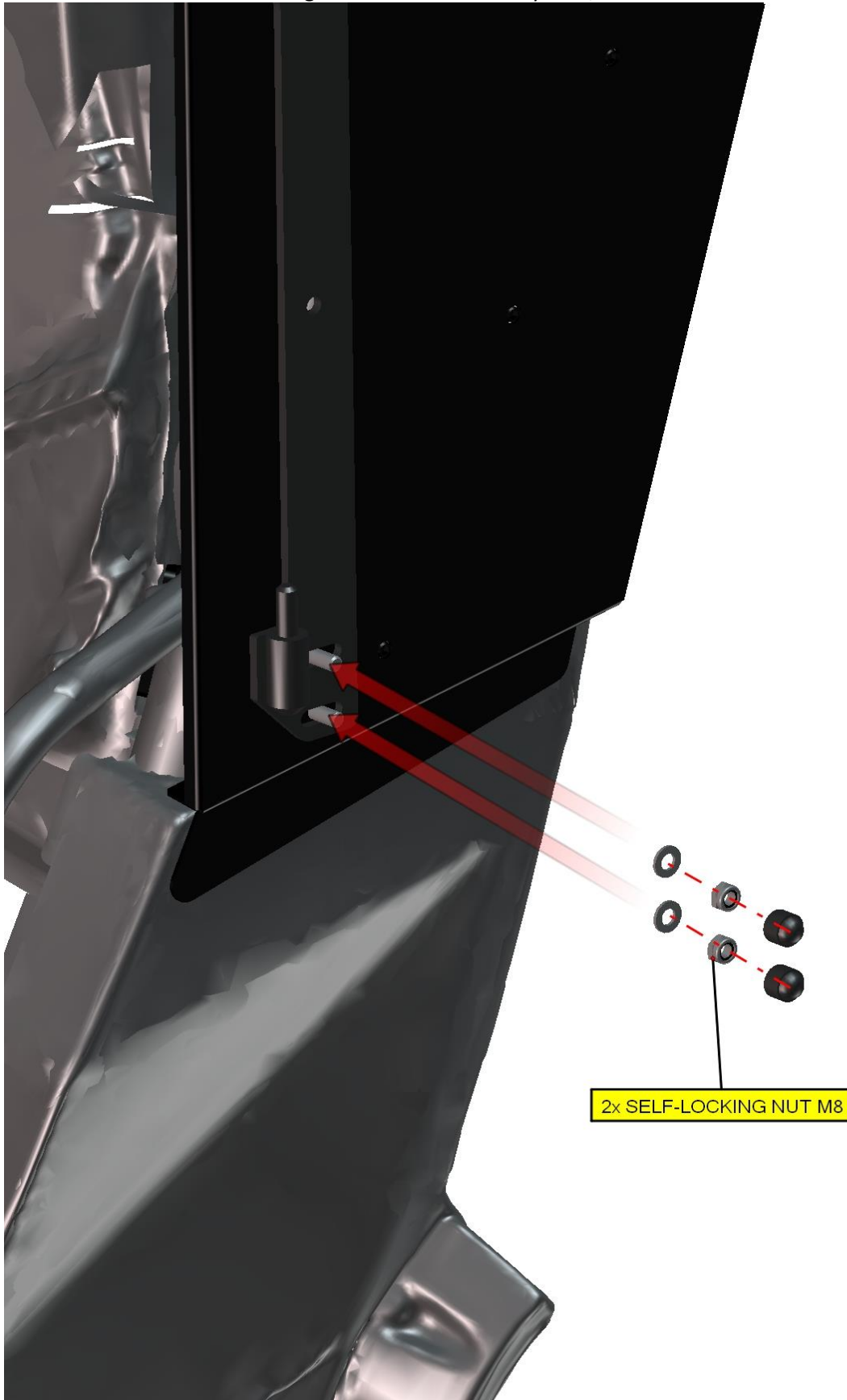
Fix the door base holder with the door base to the roller cage by nut, washer and nut cover.
Tighten nut gently and repeat previous steps with right door base and holders.



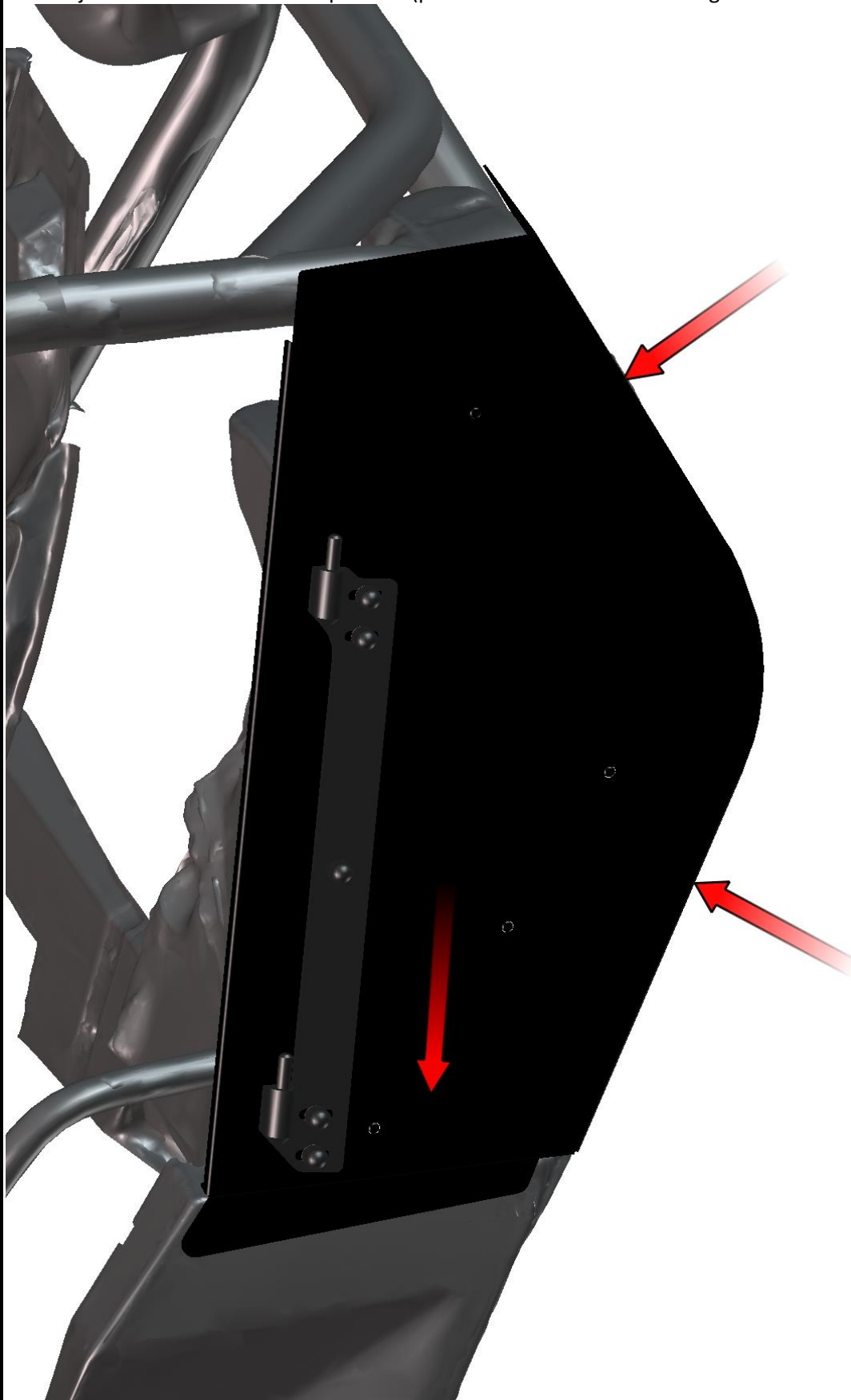
Place the left door hinge ledge onto the left door base.



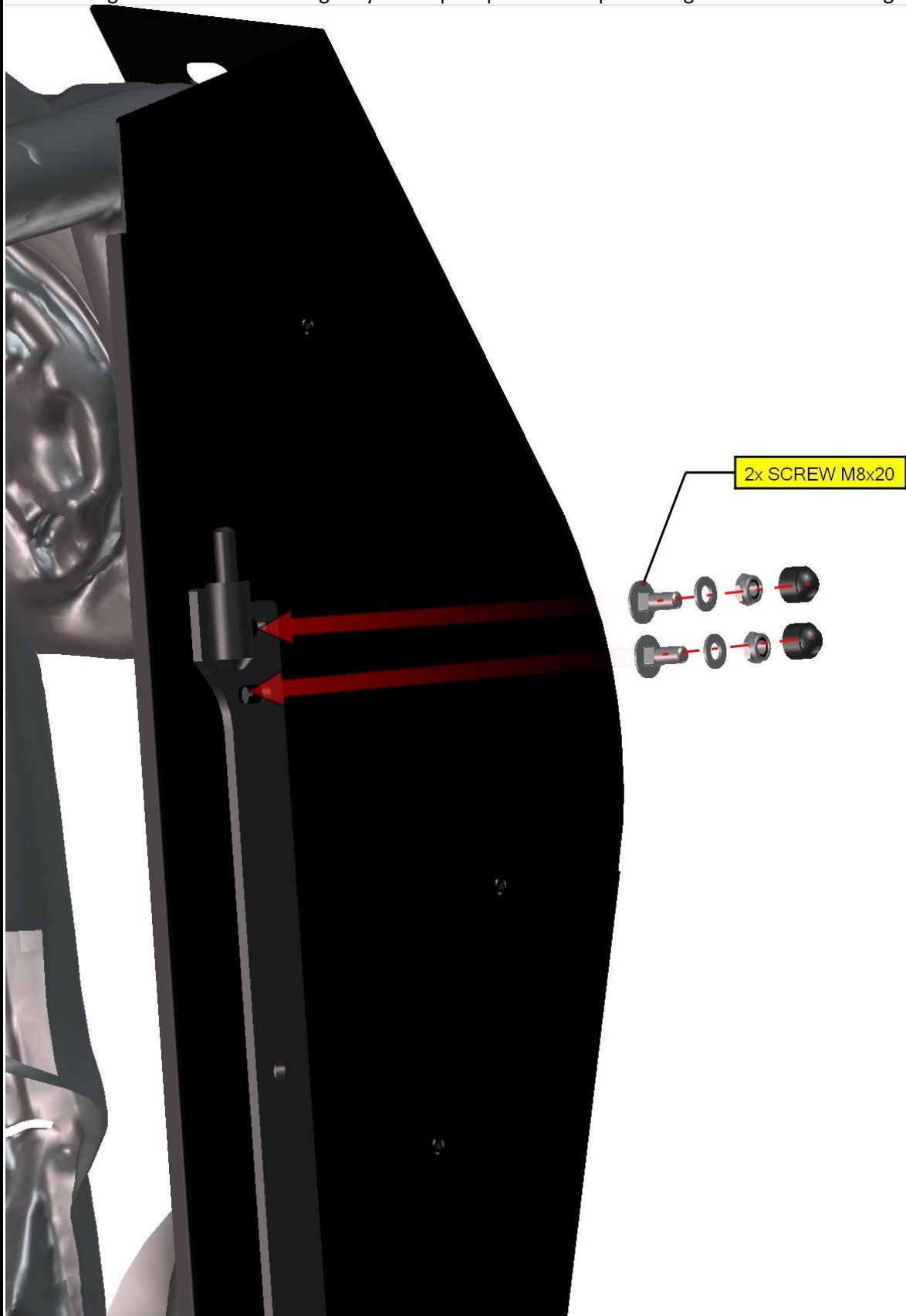
Fix the ledge with the door base by nuts, washers and nut covers.



Adjust the door base to best position (pres it onto UTV's the roller cage and onto the UTV's body).



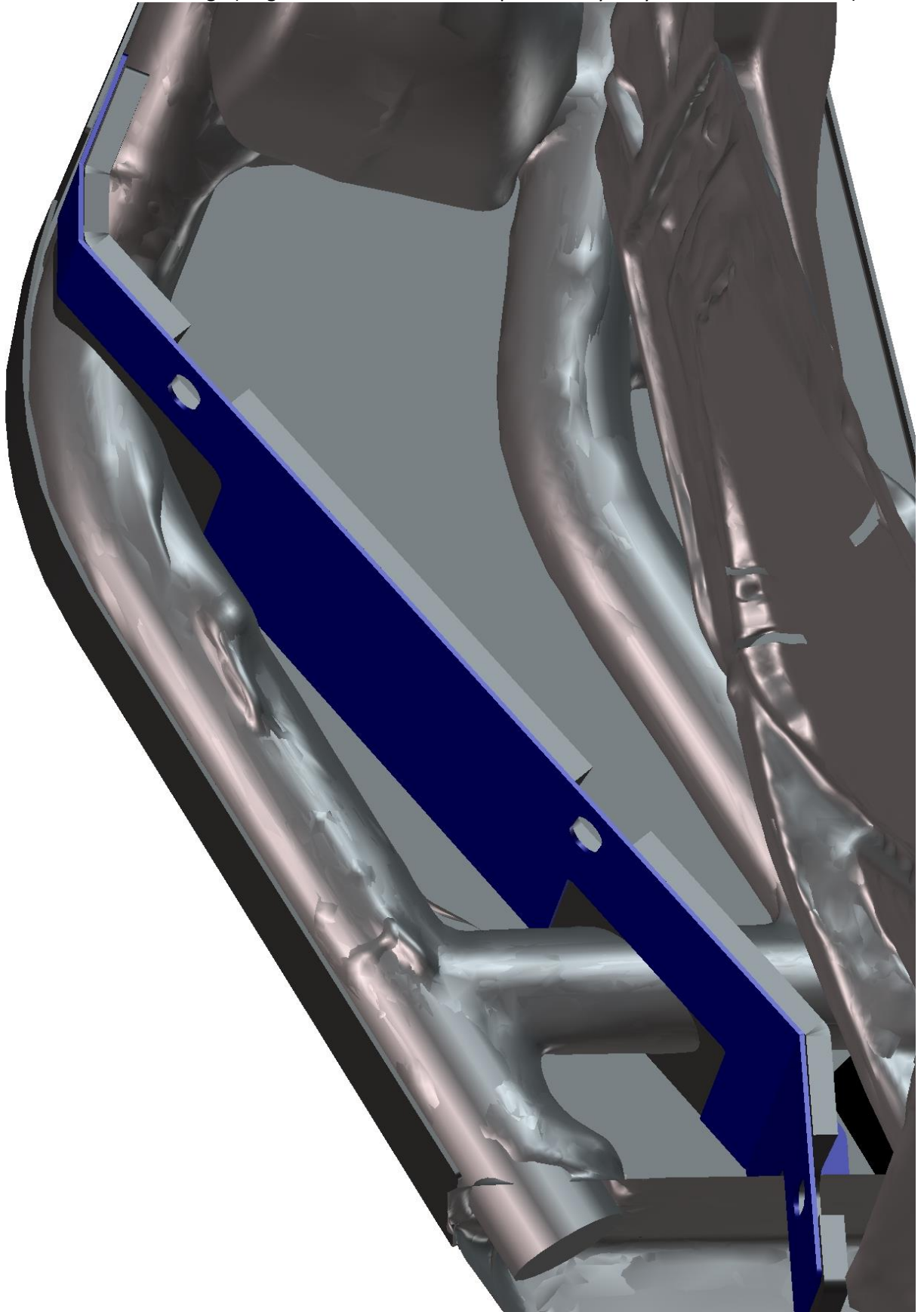
Fix the ledge with the door base by screws, washers, nuts and nut covers.
Tighten screws and nuts gently and repeat previous steps with right door base and ledge.



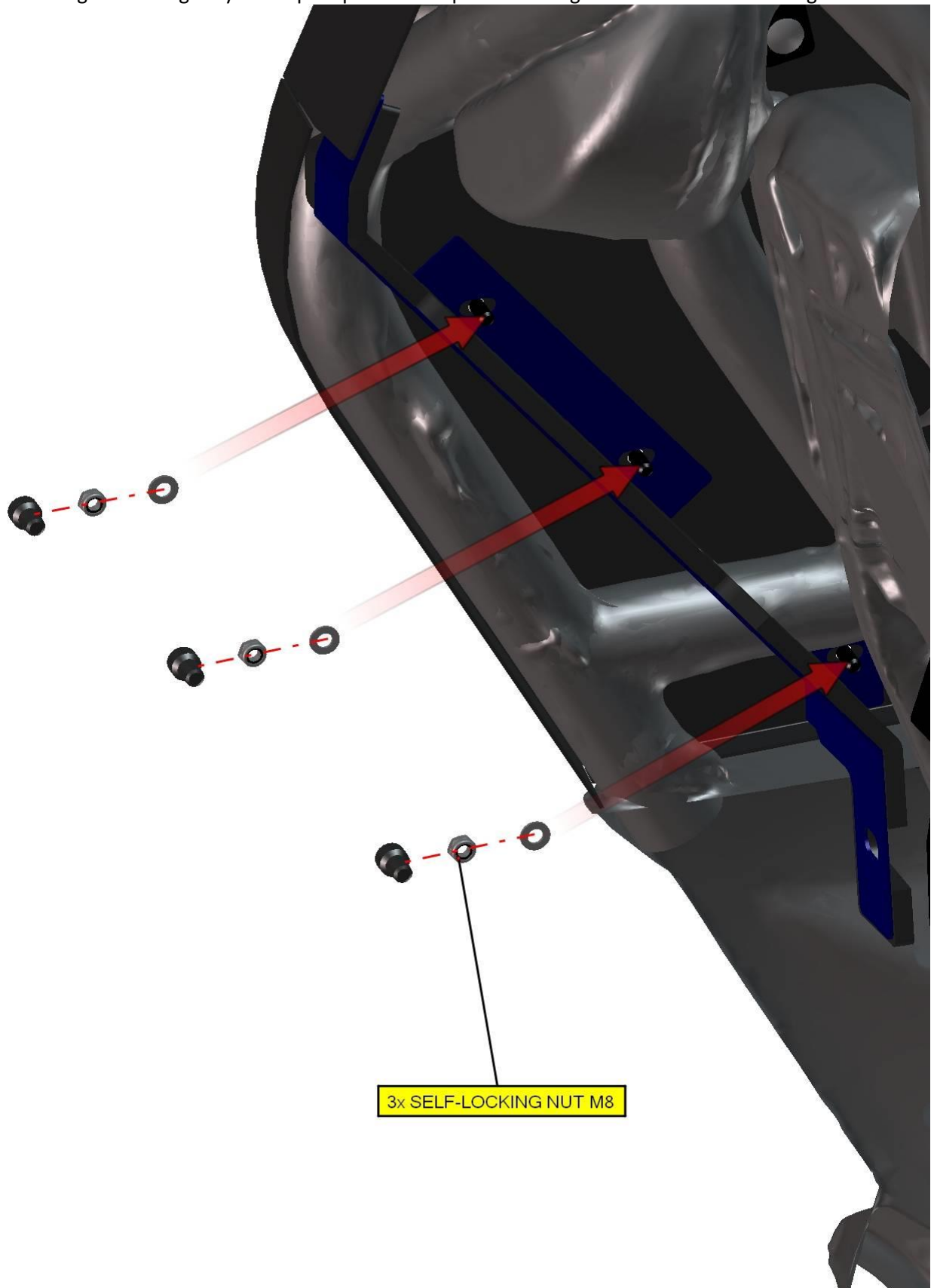
Place the left rear side ledge with seal onto the left door base and onto the roller cage.



Detail view to the ledge (ledge has blue colour in that picture only for your better orientation).

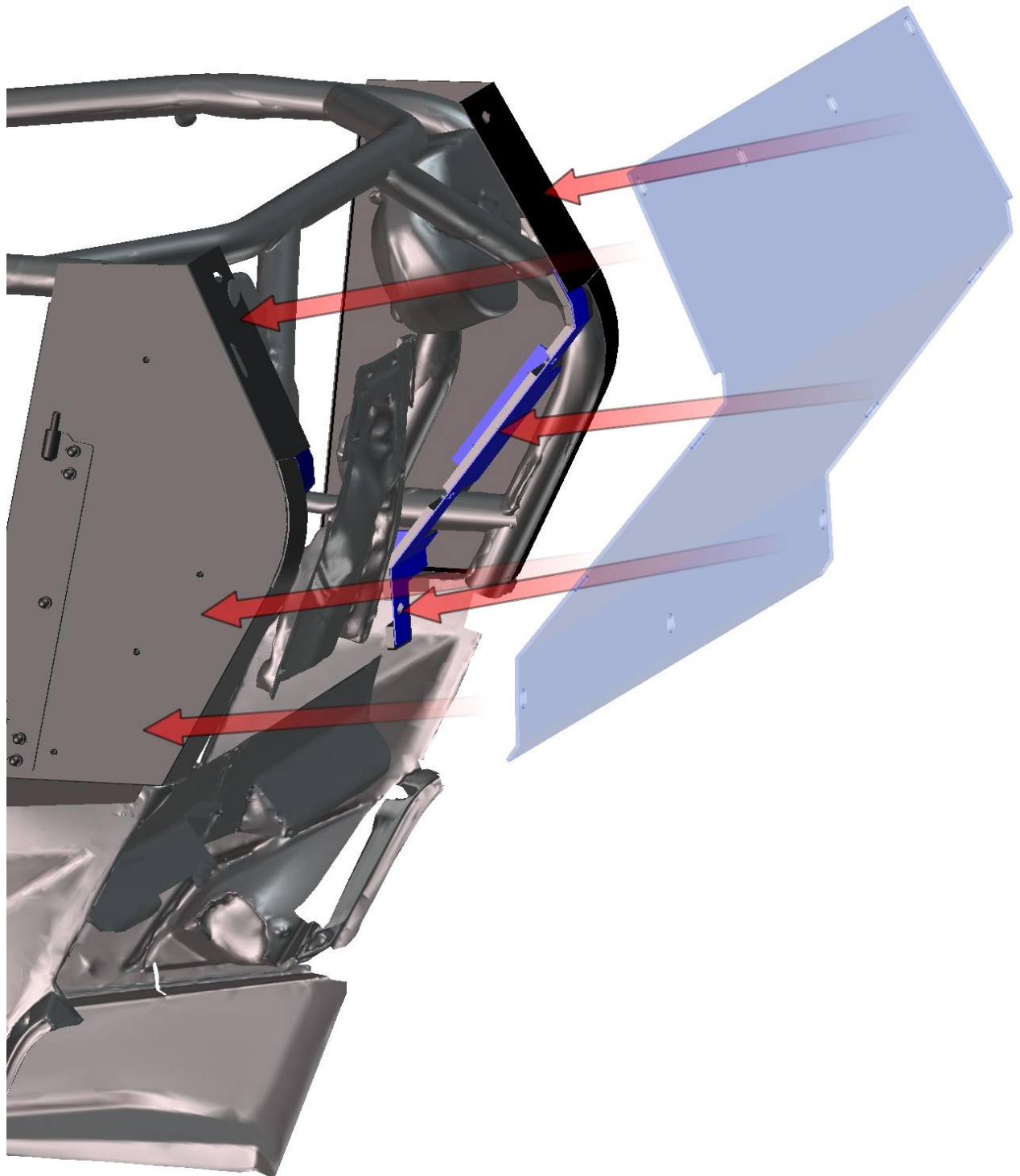


Fix the side ledge with seal with the door base to the roller cage by nuts, washers and nut covers.
Tighten nuts gently and repeat previous steps with the right door base and side ledge.

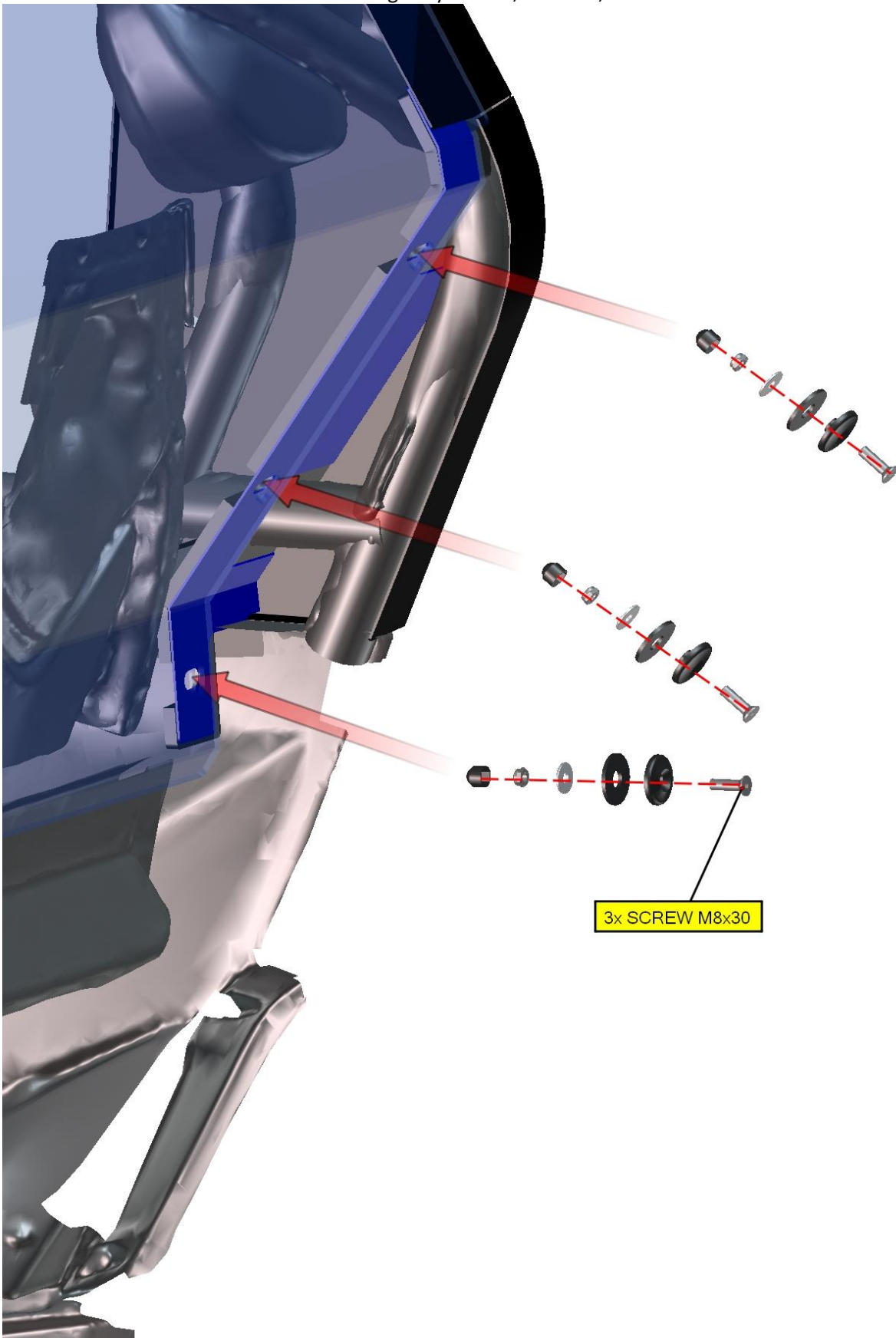


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Take out the safety films from the rear polycarbonate window and place the window onto the door bases and onto the rear side ledges.



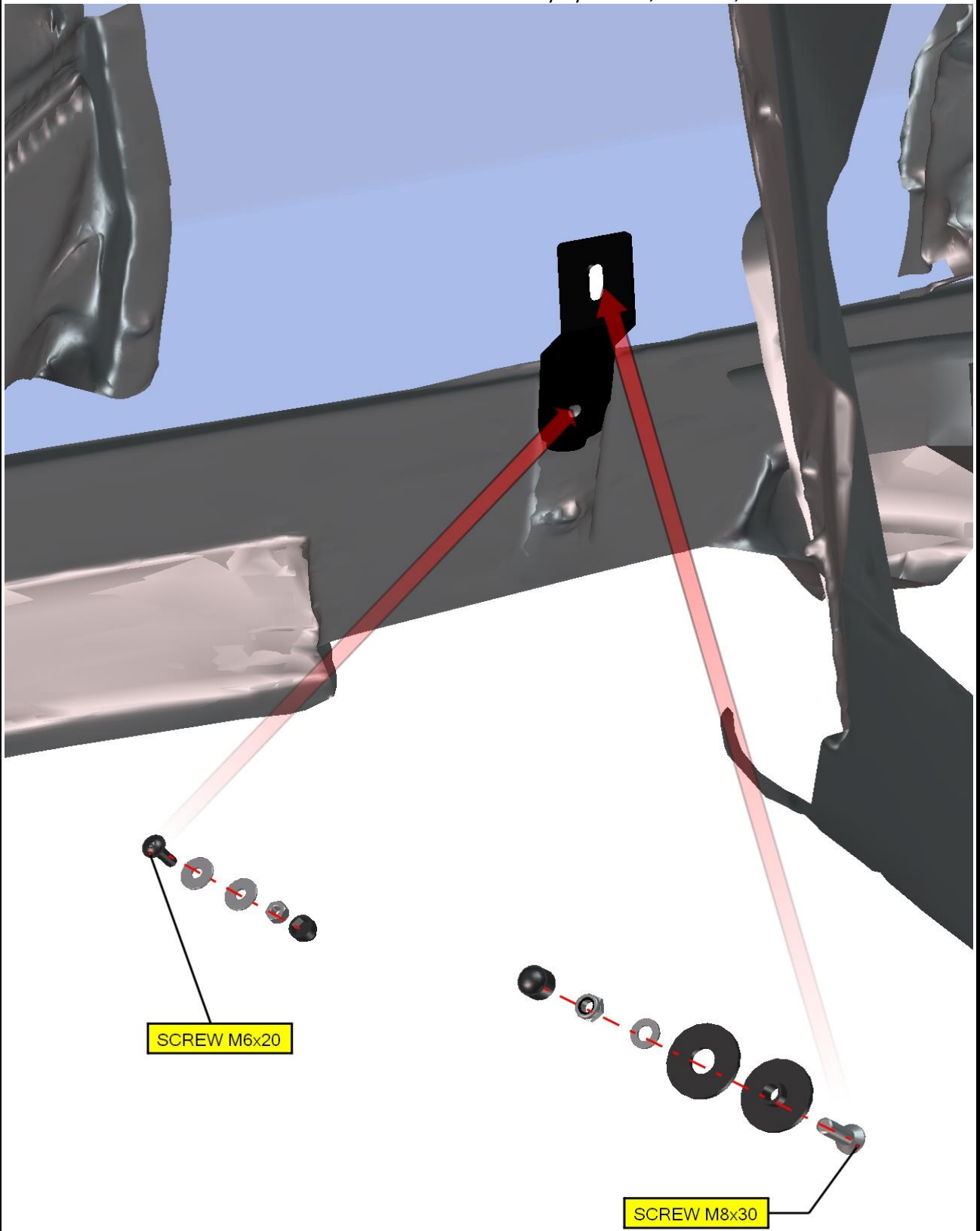
Fix the rear window with the rear ledges by screws, washers, nuts and nut covers on both sides.



Place the rear bottom holder onto the rear window and onto the UTV's body from inside of the cab.

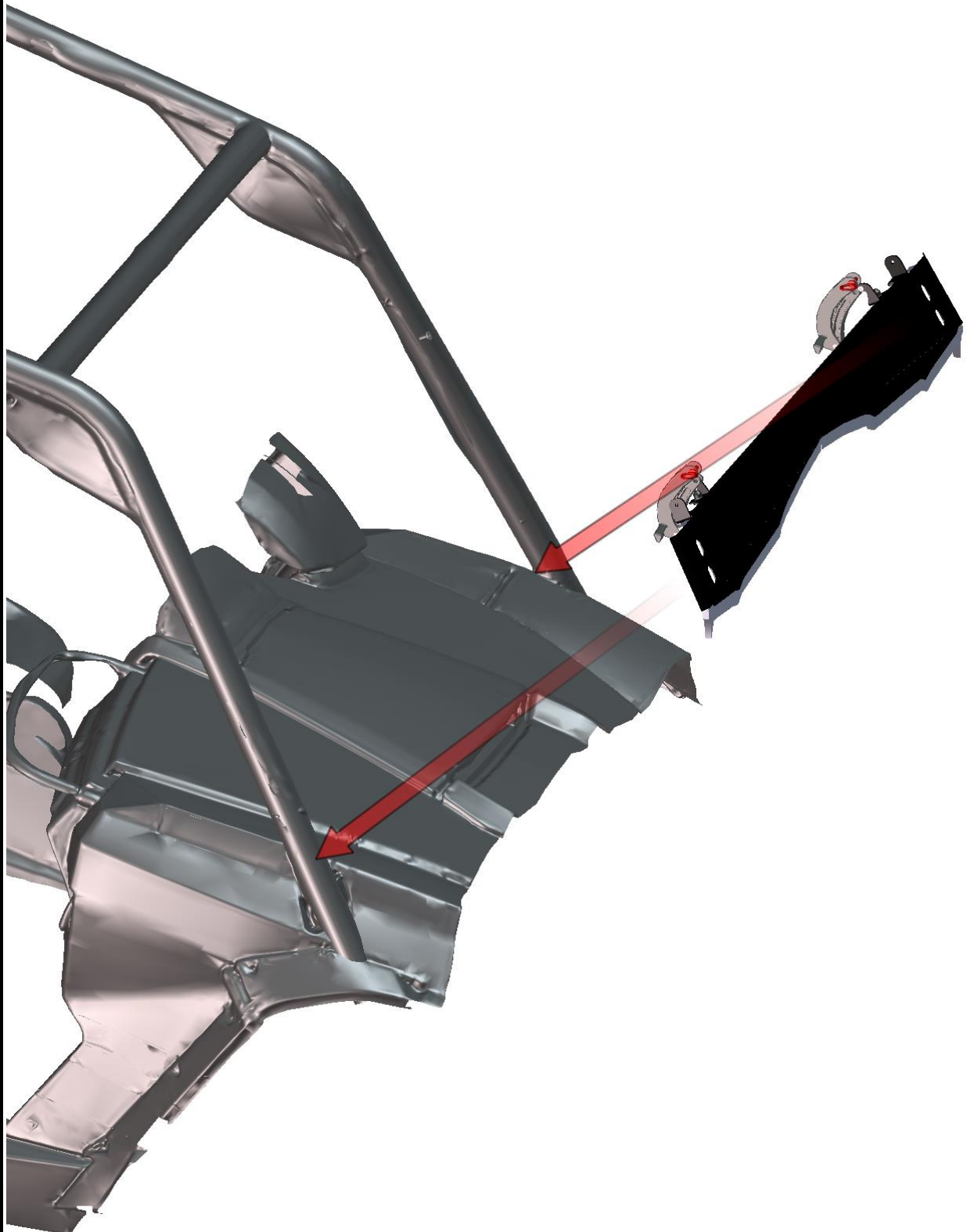


Fix the holder with the window and with the UTV's body by screws, washers, nuts and nut covers.

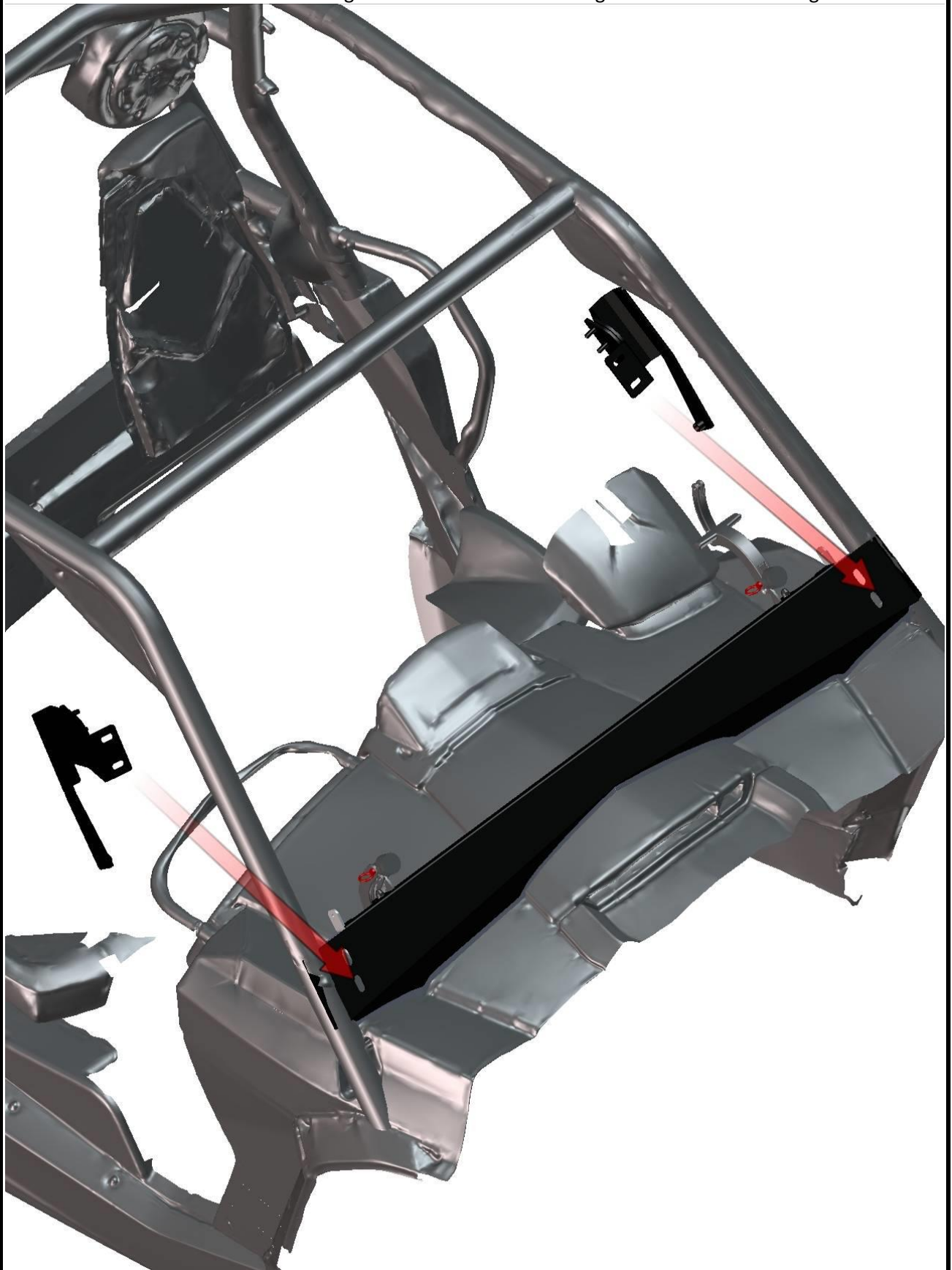


FRONT PANEL

Place the front bottom ledge assembly onto the front roller cage and onto the front dashboard.

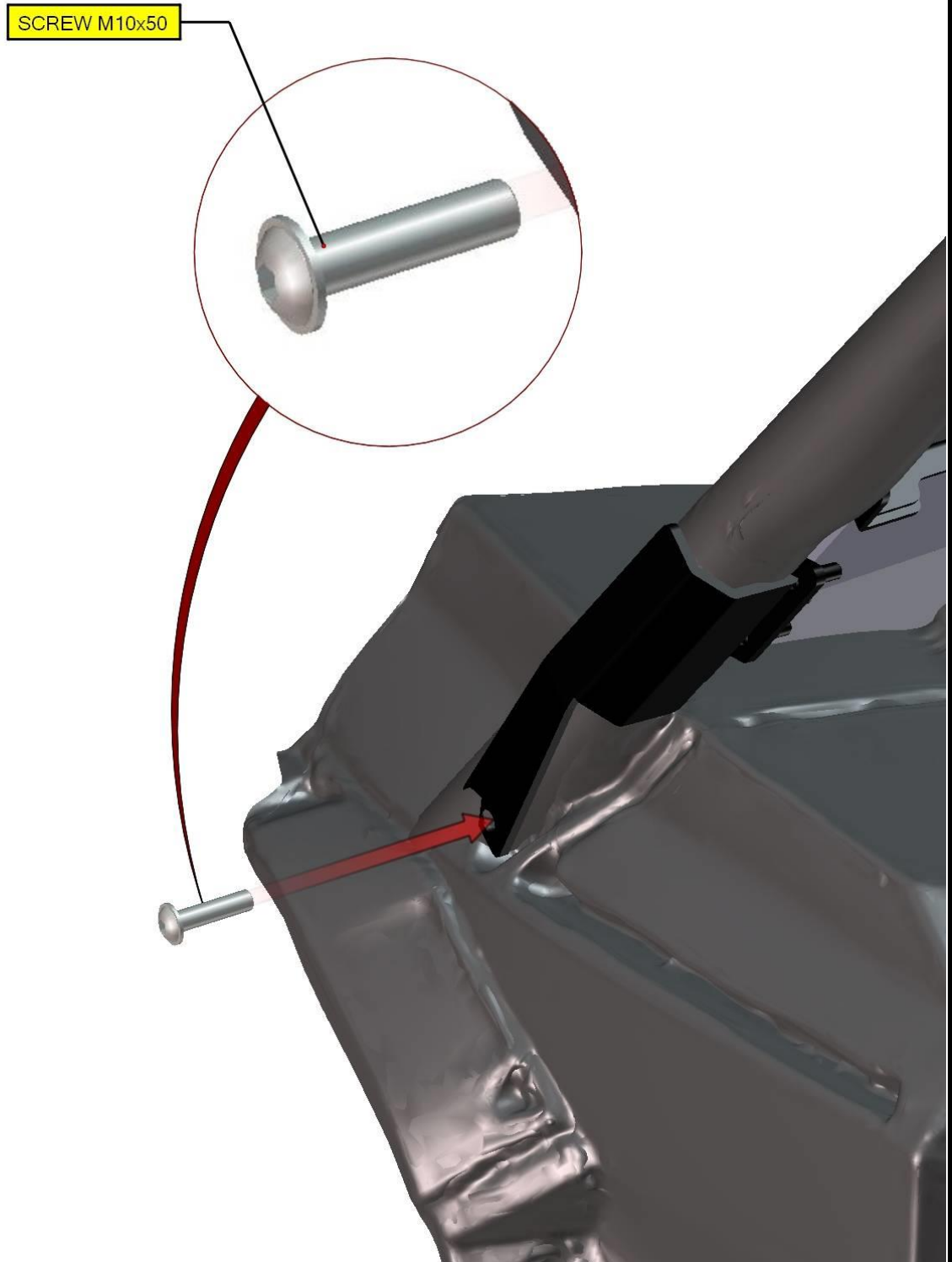


Place the front bottom ledge holders onto the front ledge and onto the roller cage.

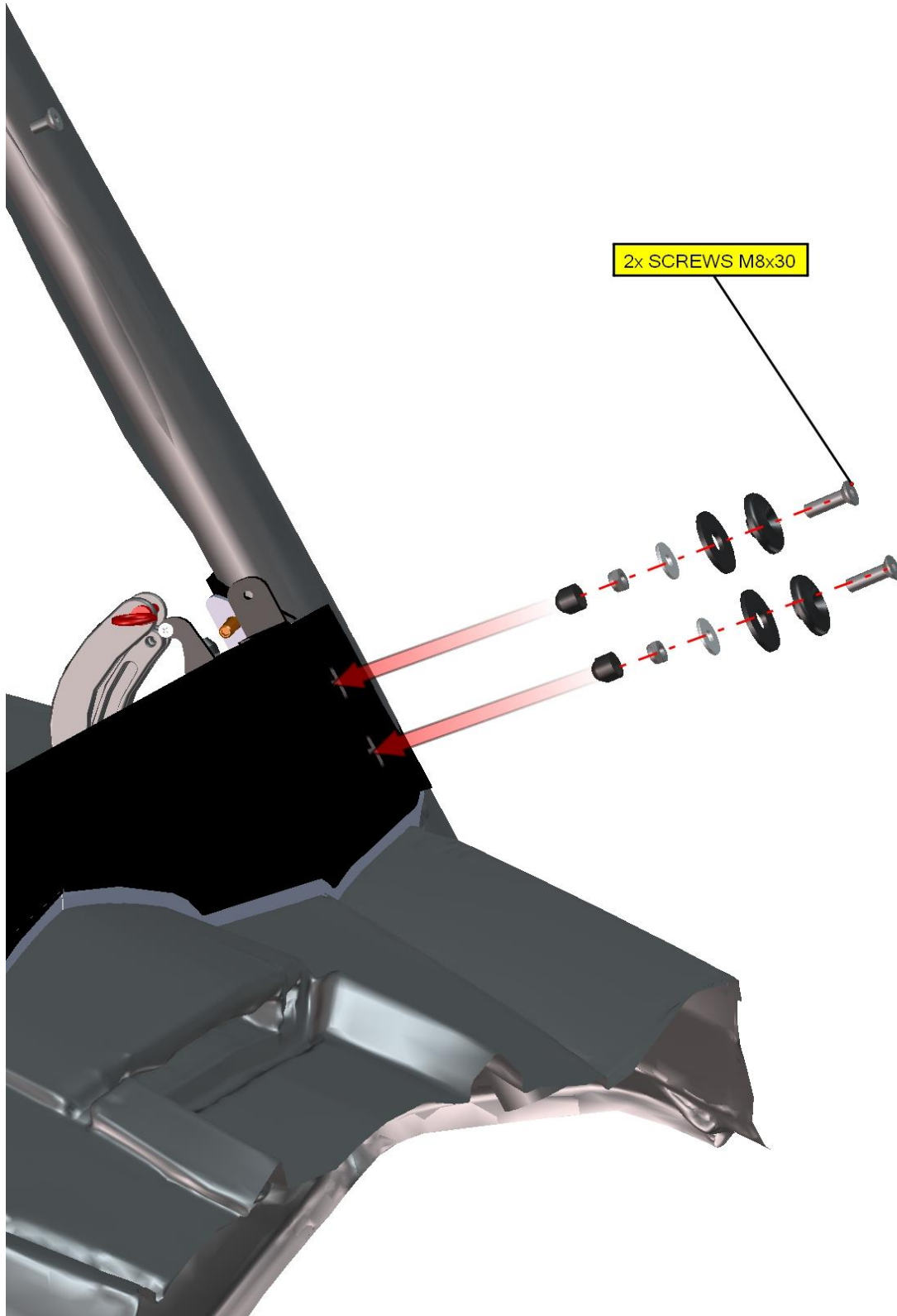


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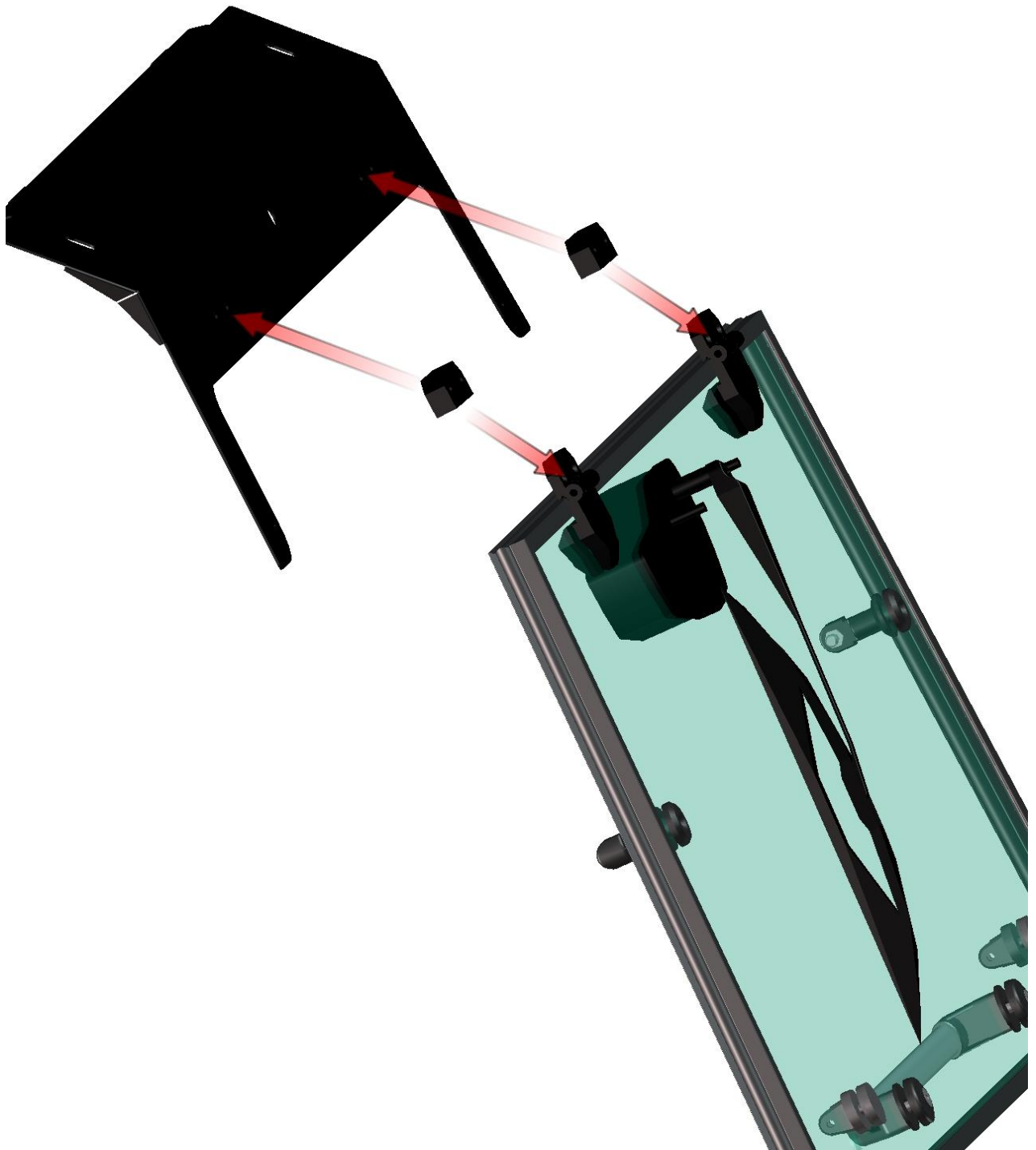
Loosen bottom front original screws (left and right) from the UTV's roller cage and fix the front ledge holders with the roller cage by screws on both sides.



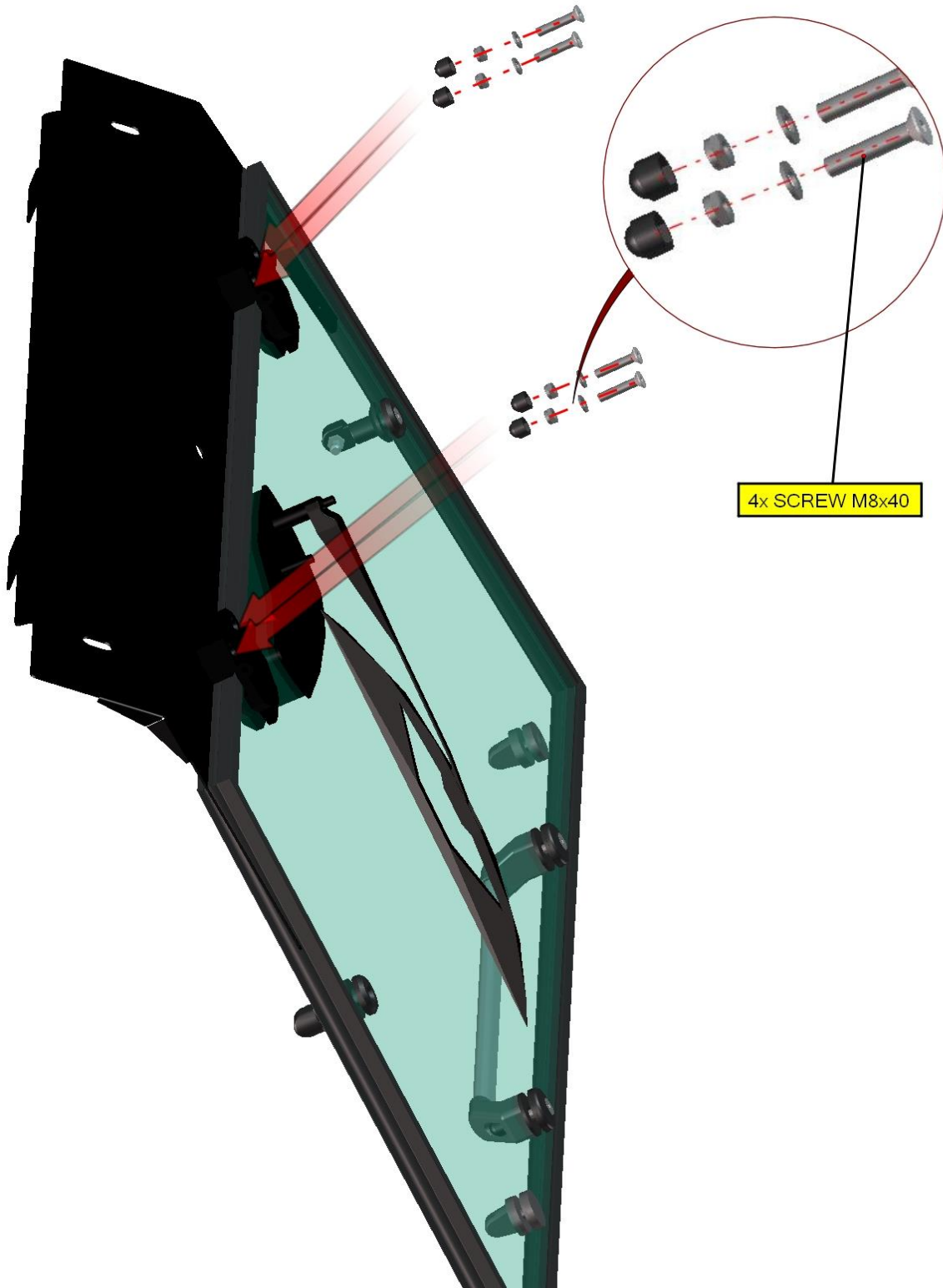
Fix the front bottom ledge with the ledge holders on both sides by screws, washers, nuts and nut covers.
Press the ledge on to the dashboard and tighten screws and nuts hard.



Place the hinge's washers onto the front upper ledge and place the window assembly on hinge's washers.



Fix the hinges with the hinge's washers and with the upper ledge by screws, washers, nuts and nut covers.

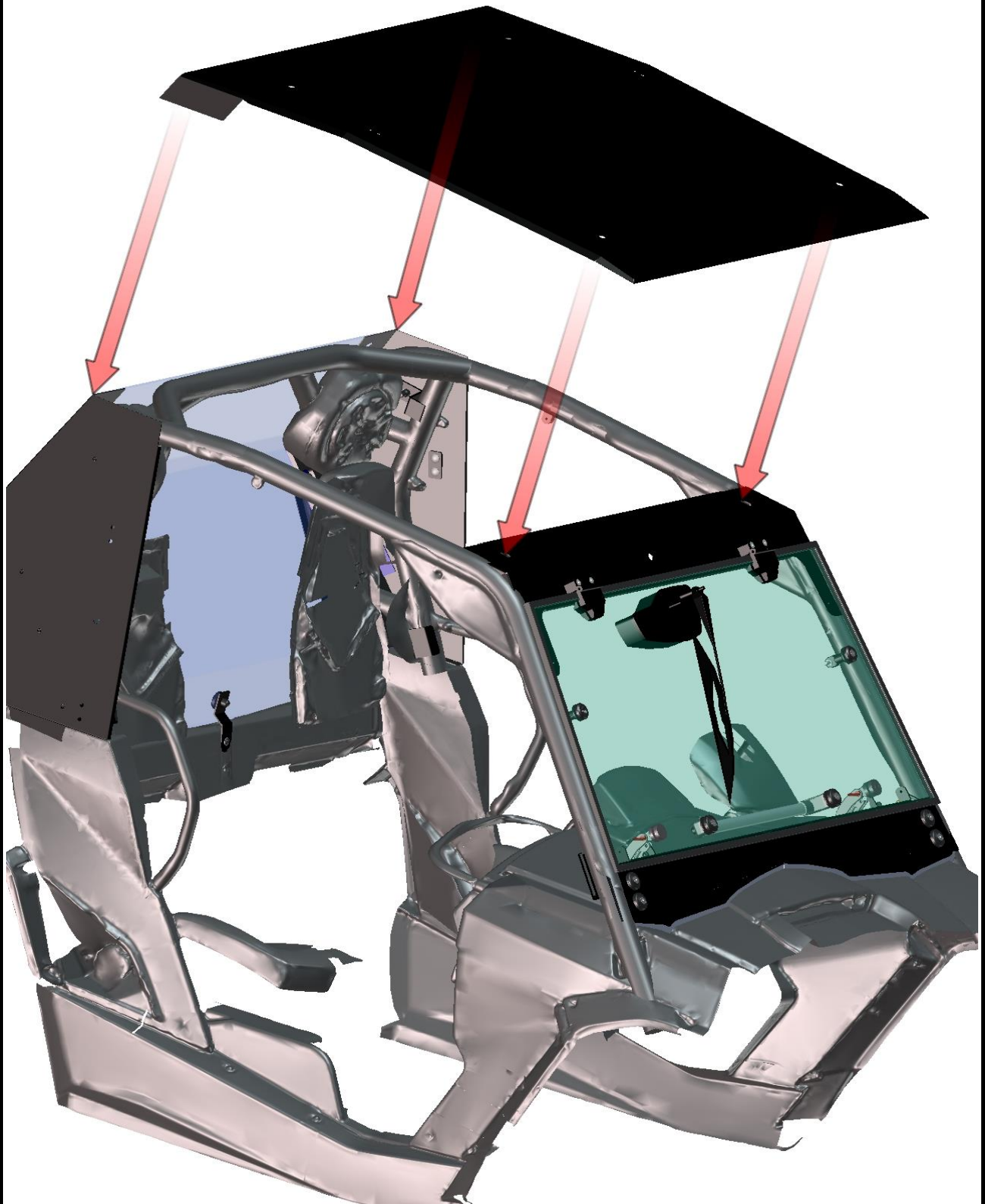


Place the front upper ledge with the window onto the roller cage and onto the front bottom ledge.



ROOF

Place the roof onto the door bases, the rear window, the front upper ledge and the roller cage.

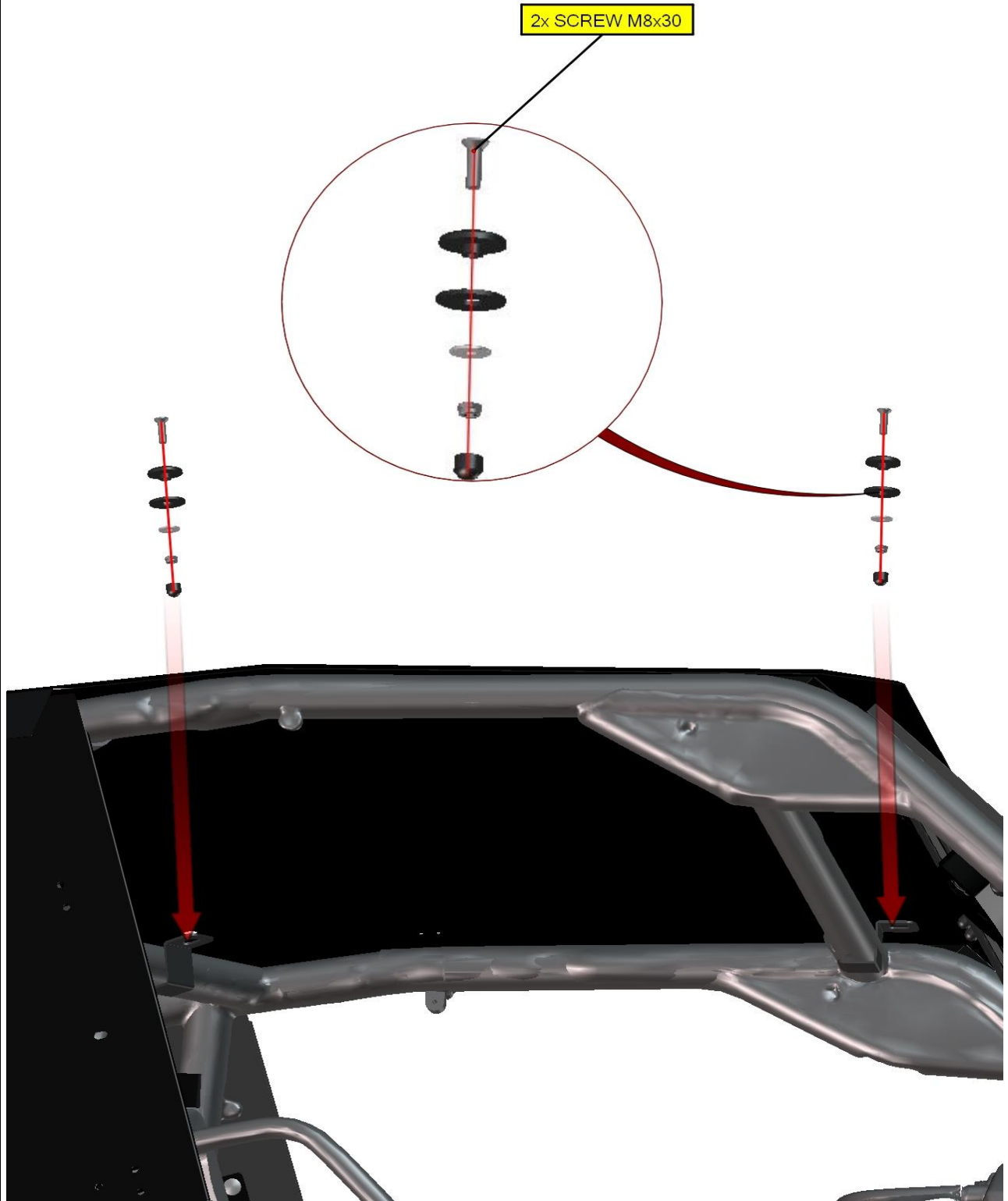


Place the roof holders onto the roof and onto roller cage on both sides.

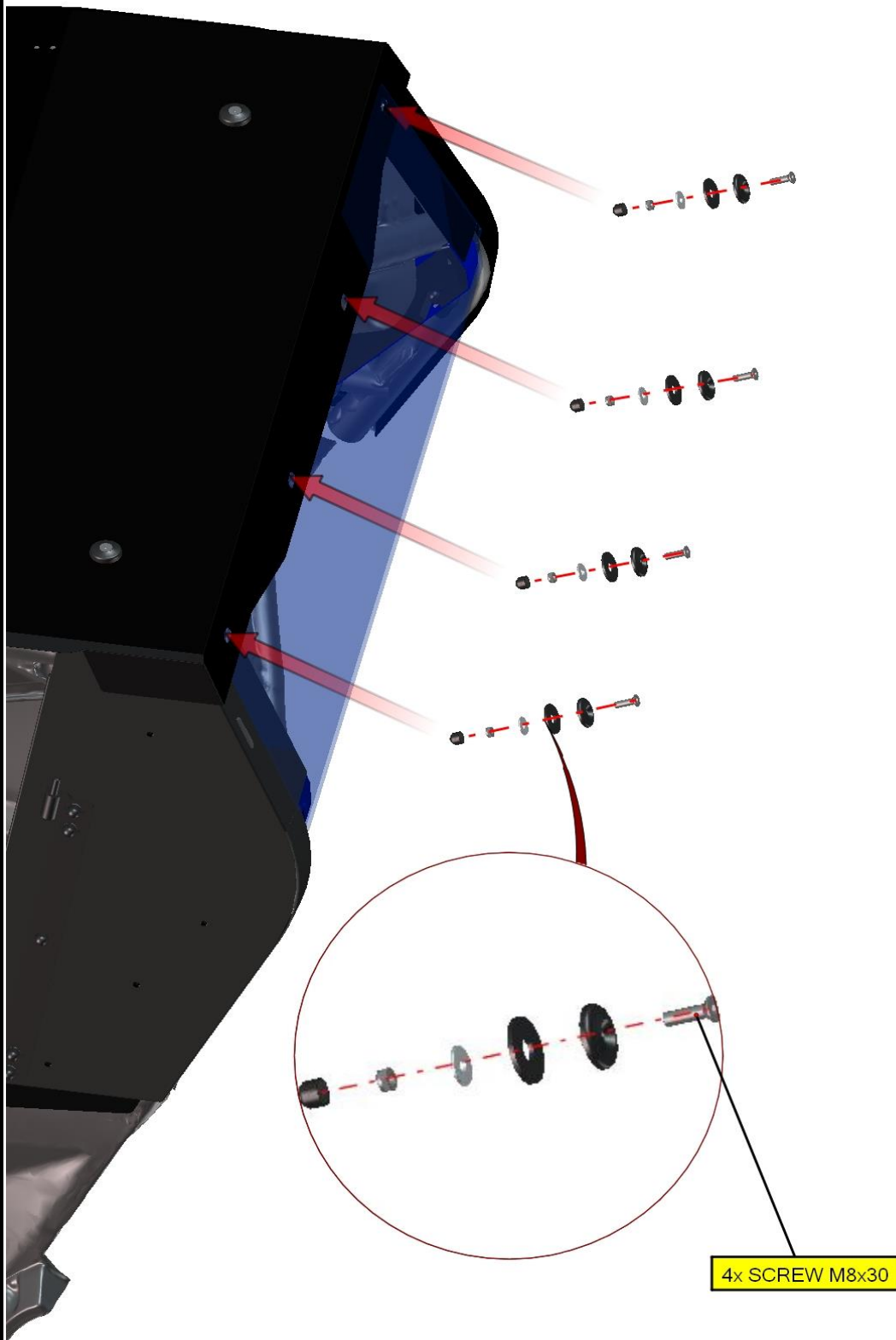


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Fix the roof with the roof holders and with the front upper ledge to the roller cage on both sides by screws, washers, nuts and nut covers. Don't tighten these screws and nuts yet.

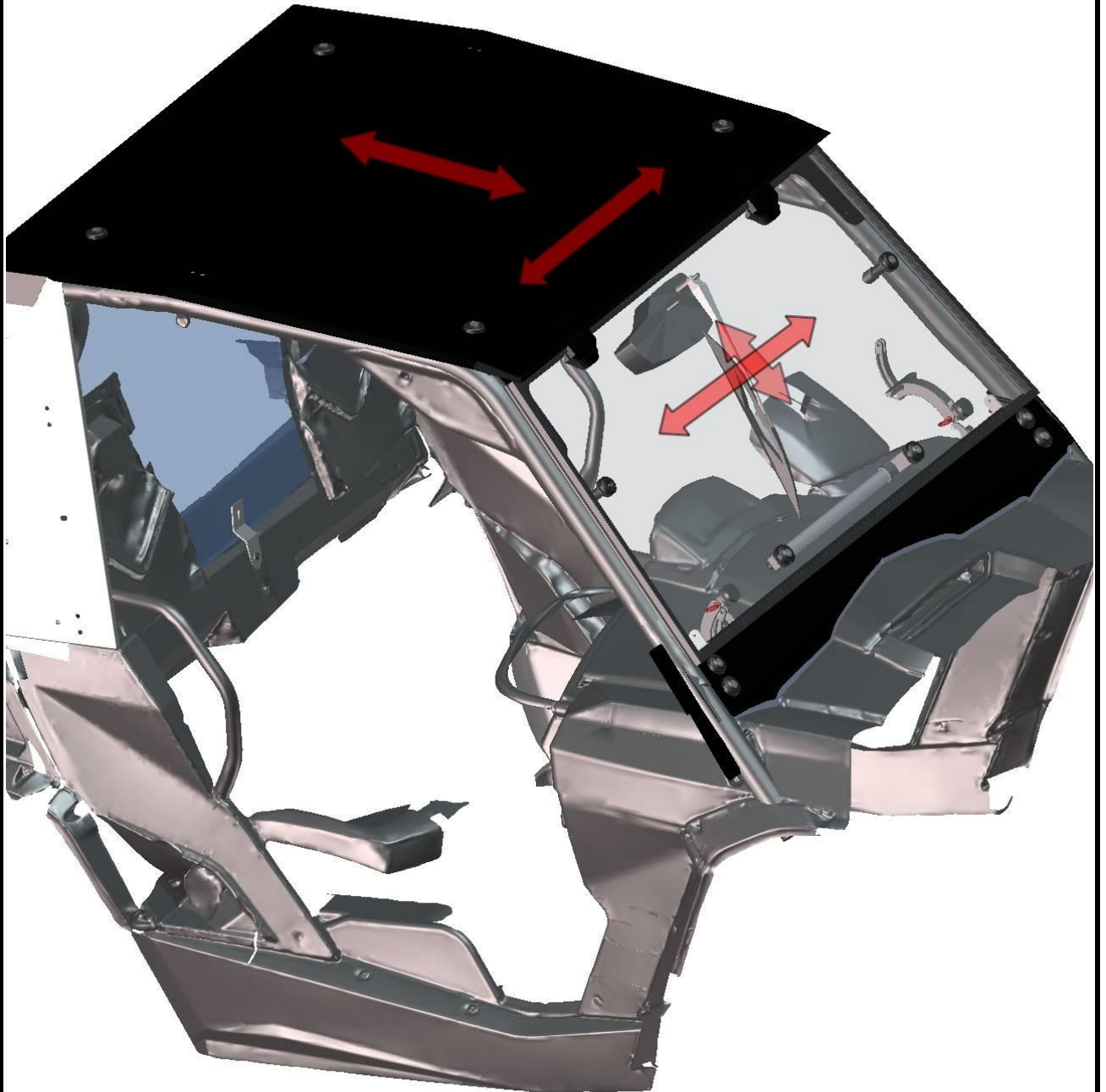


Fix the roof with the rear window by screws, washers, nuts and nuts covers.



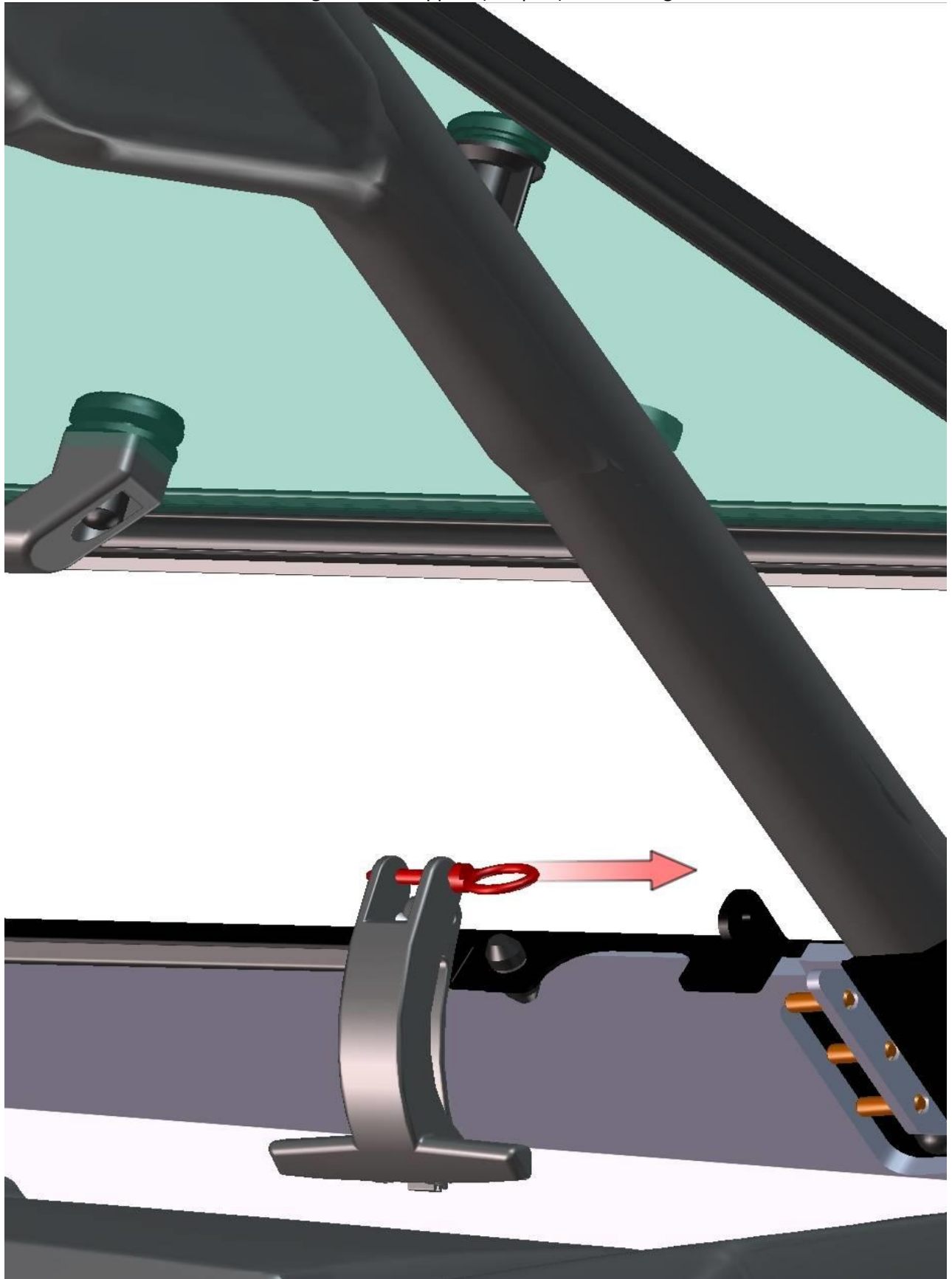
FRONT PANEL

Adjust the roof and the front assembly to best position and tighten screws and nuts correctly.



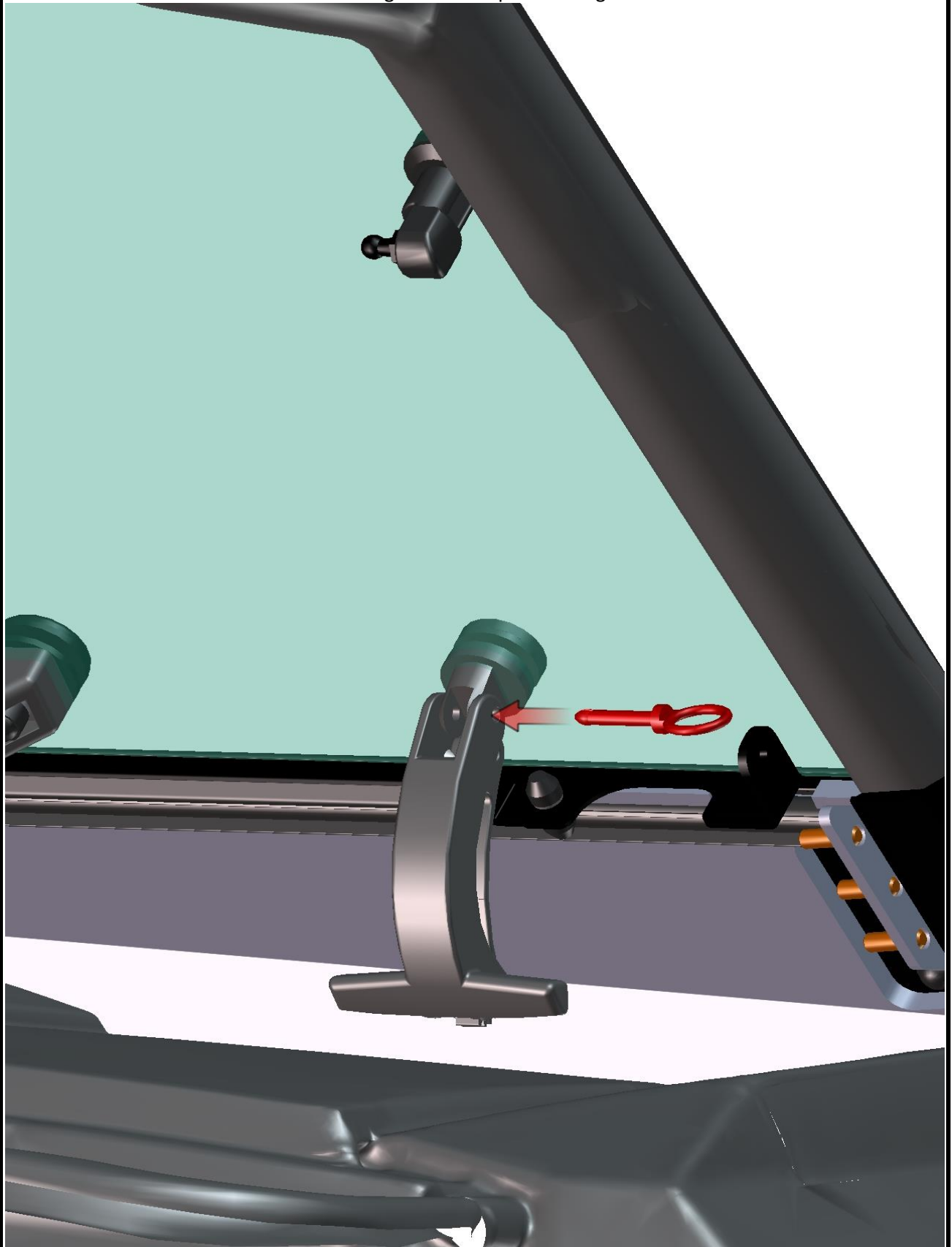
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Take out the glass lock stoppers (red pins) from both glass lock .

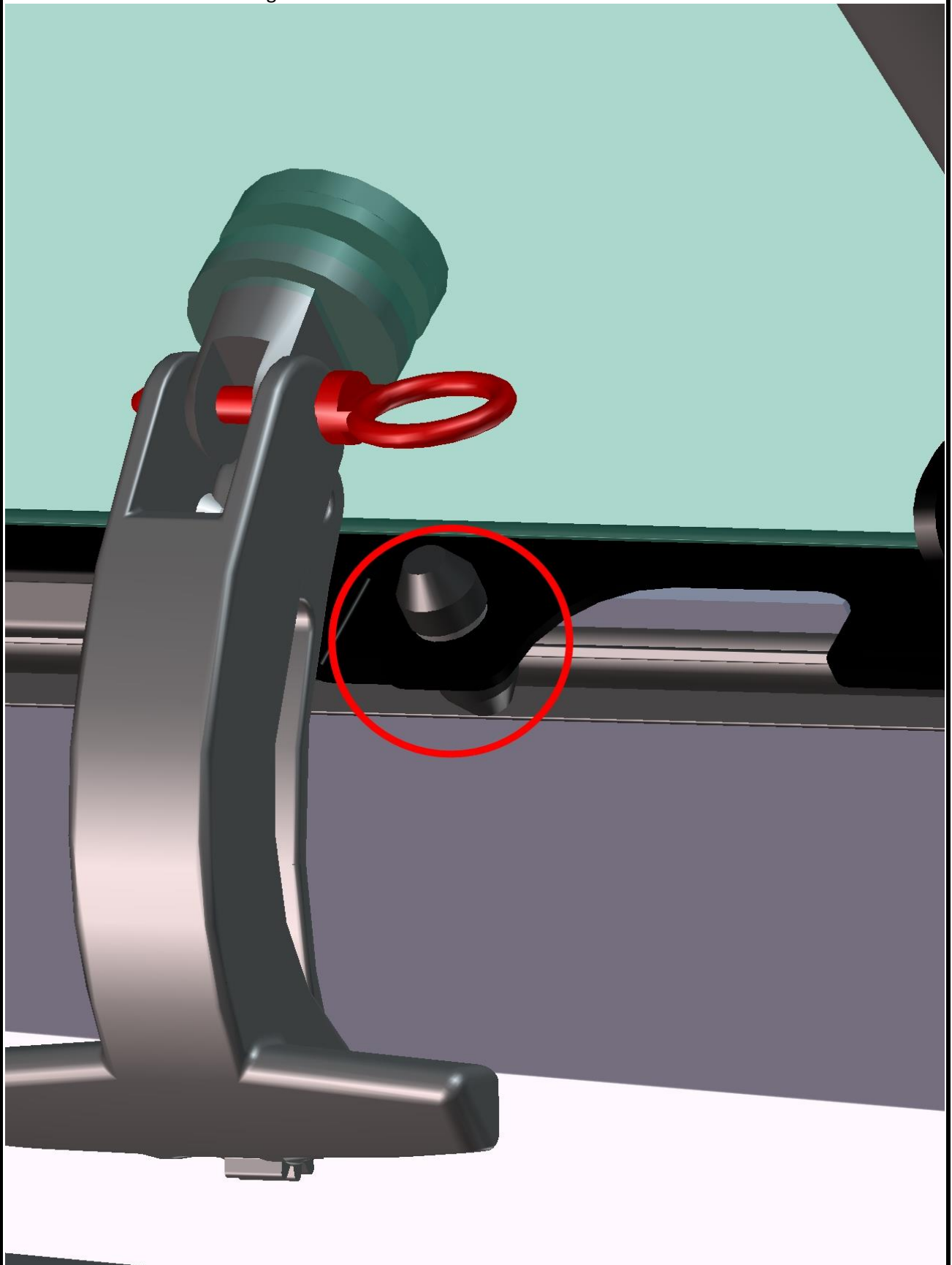


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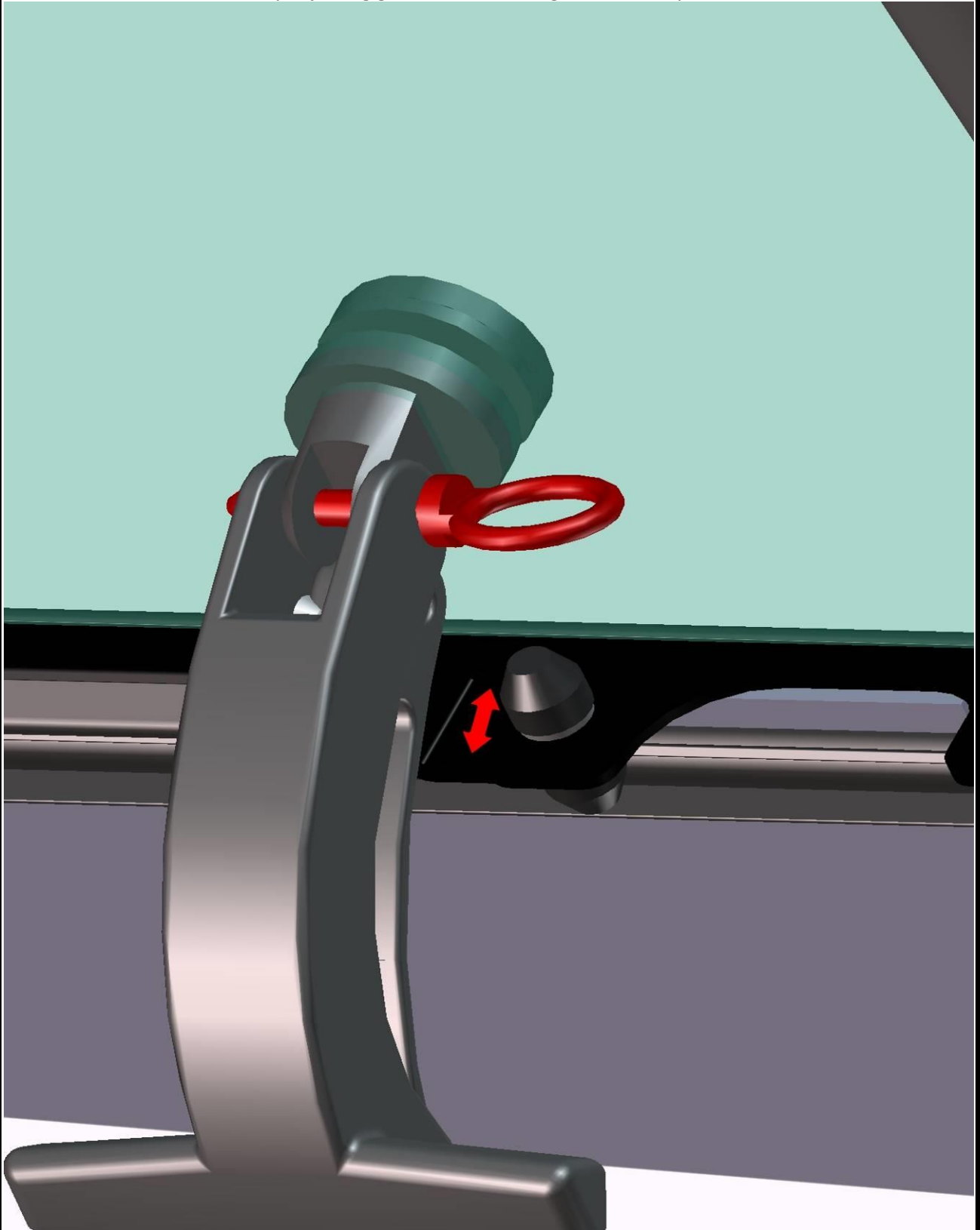
Connect the glass lock with the glass lock part in glass and insert the glass lock stops on both glass locks.



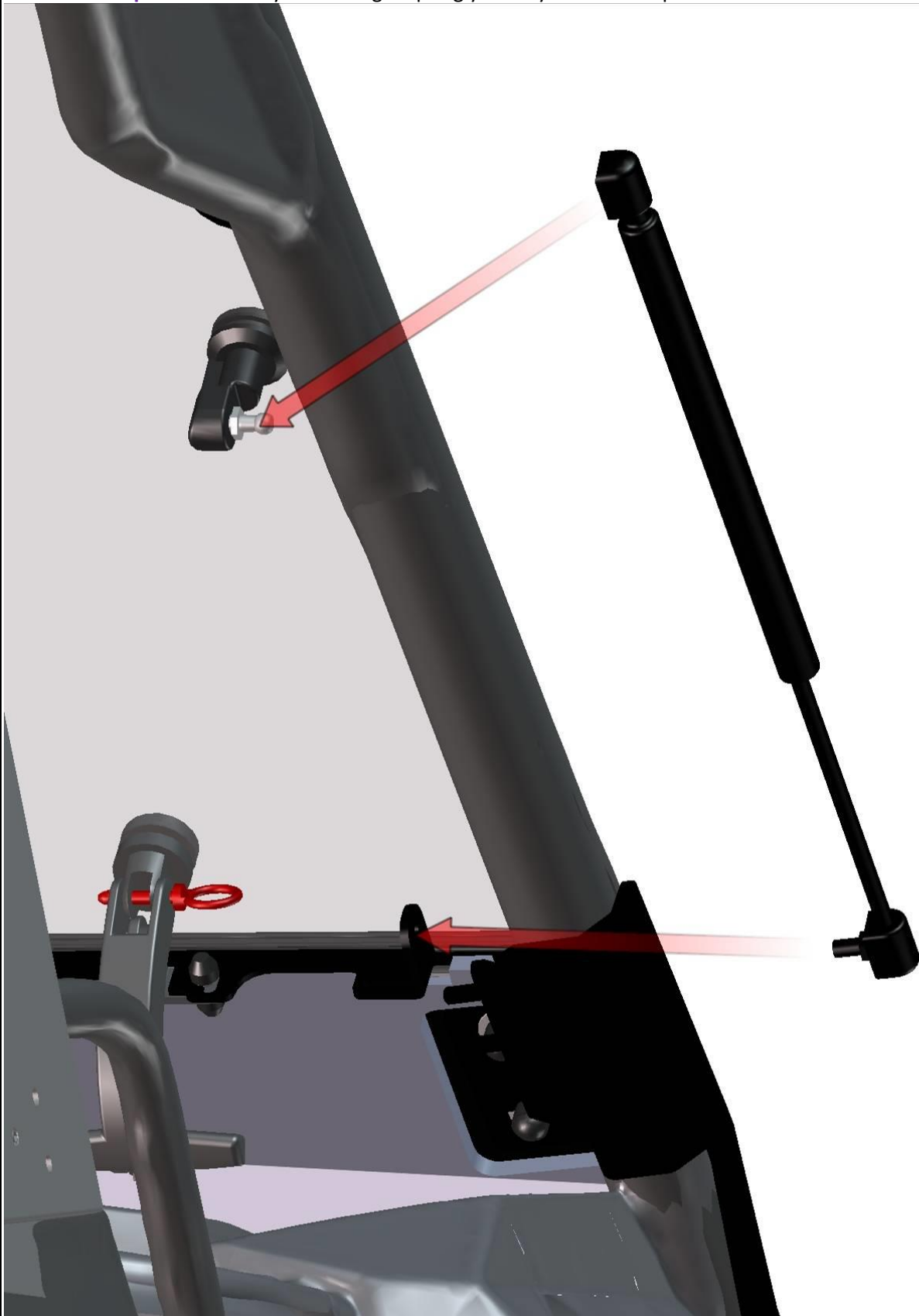
Allow the glass lock holder's screws and nut on both sides of the cab.



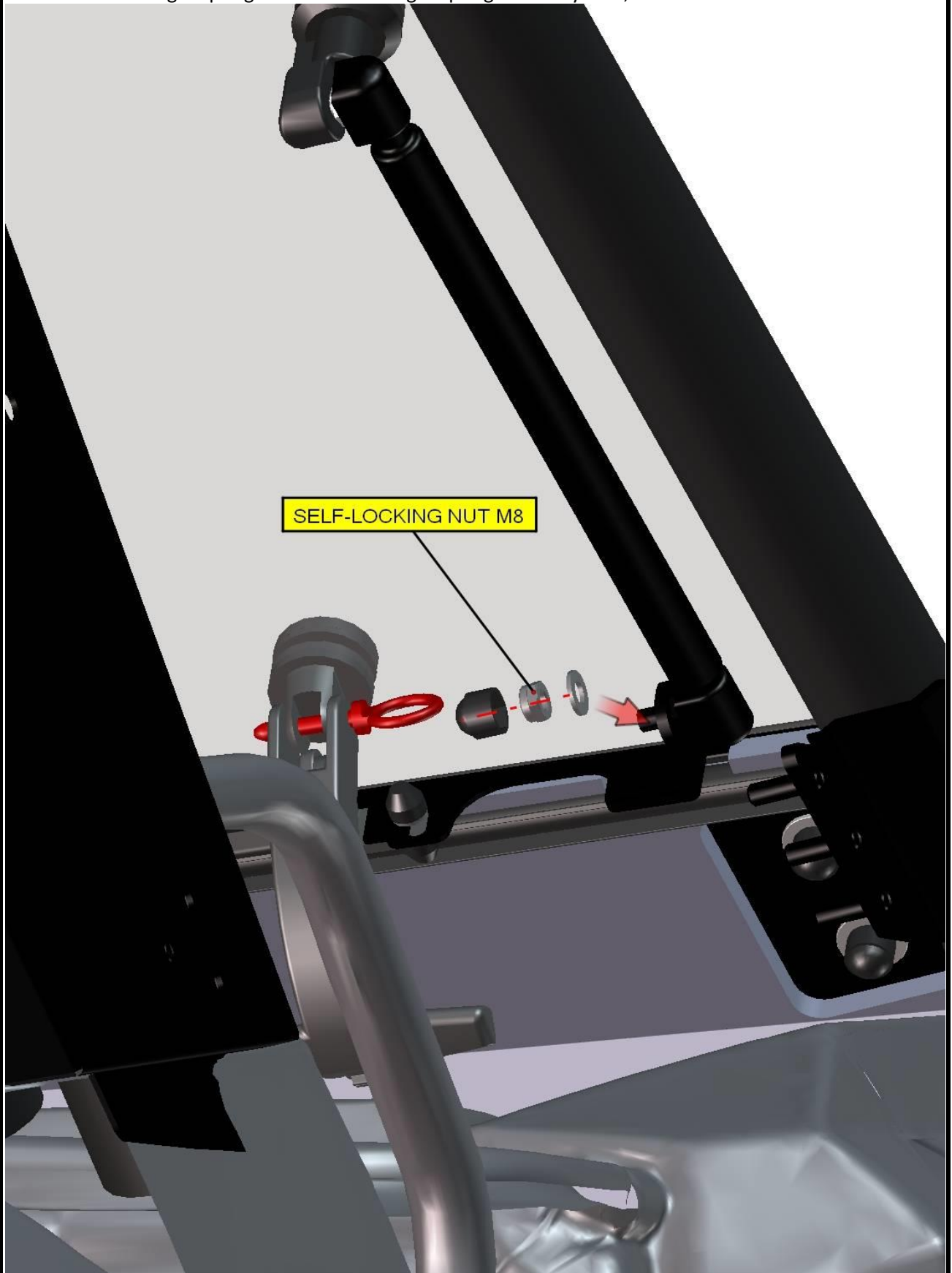
Adjust the glass lock holders to best position (open and close the window few time) and tighten screws and nuts from previous page hard. If you lock the front window and you have some gapes between the front glass seal and front bottom ledge, you cand adjust the pressure to the front glass seal by adjusting glass lock holders again to better position.



Install the gas springs into the gas spring holders, **be careful to install gas springs in same position like in picture**. When you install gas spring you maybe have to open the front window.



Fix the gas spring with the bottom gas spring holder by nuts, washers and nut covers.

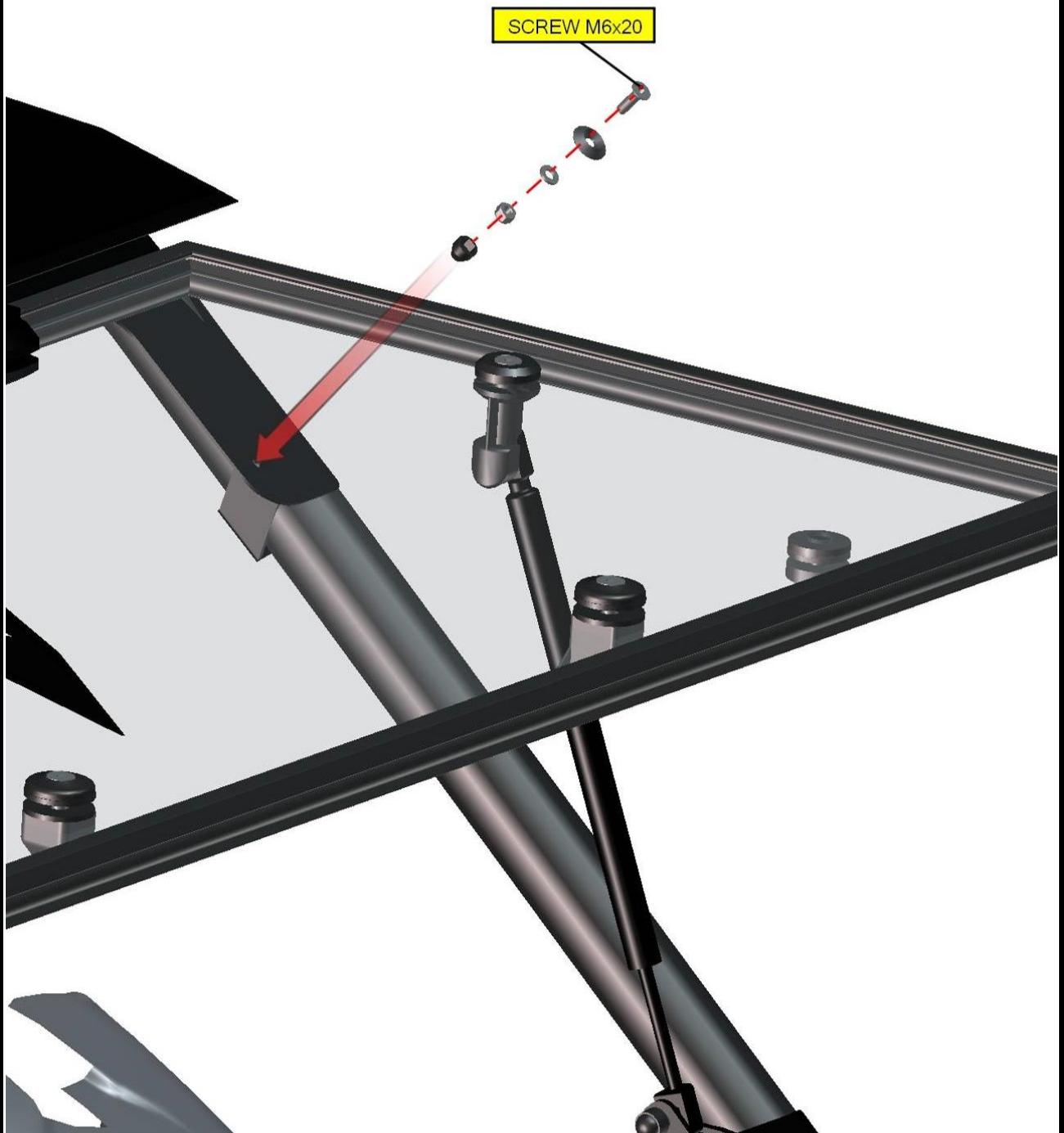


Open the window and place the front upper ledge holders onto the roller cage and onto the front ledge.



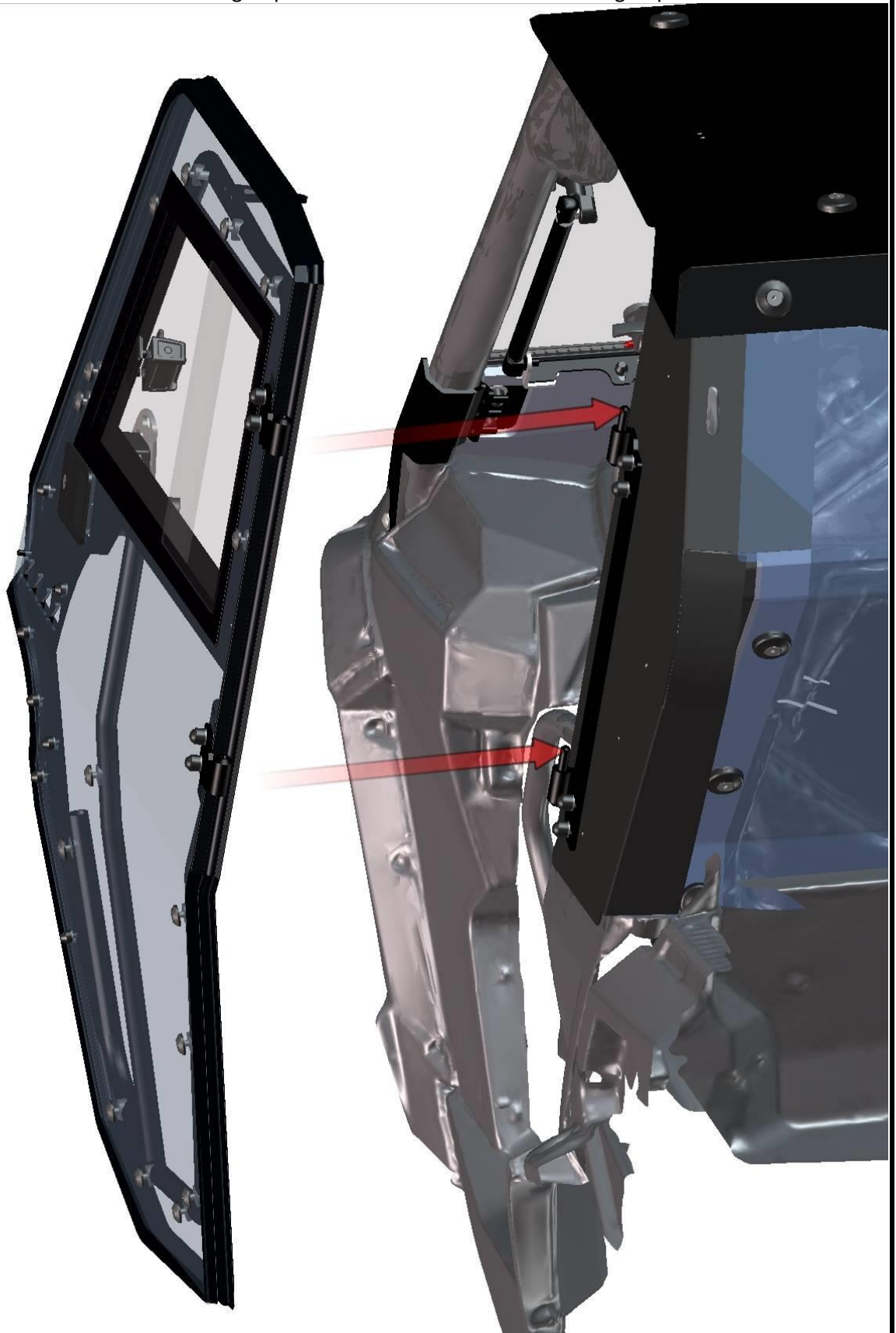
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Fix the front upper ledge holders with the front upper ledge to the roller cage on both sides of the cab by screws, washers, nuts and nut covers. Tighten the screws and nuts hard.



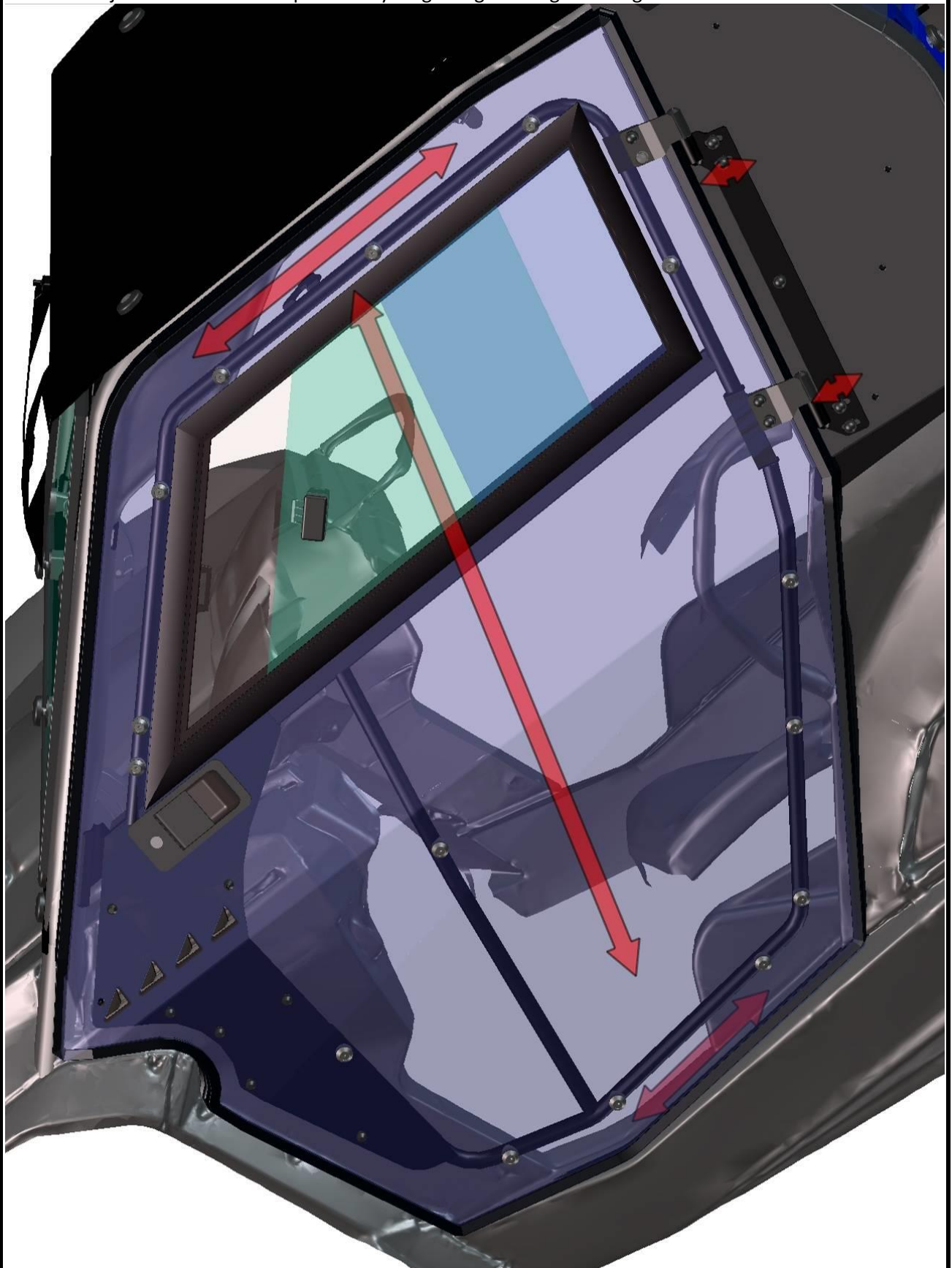
RIGHT+LEFT DOOR

Lubricate the hinge's pins and insert the door onto the hinge's pins.

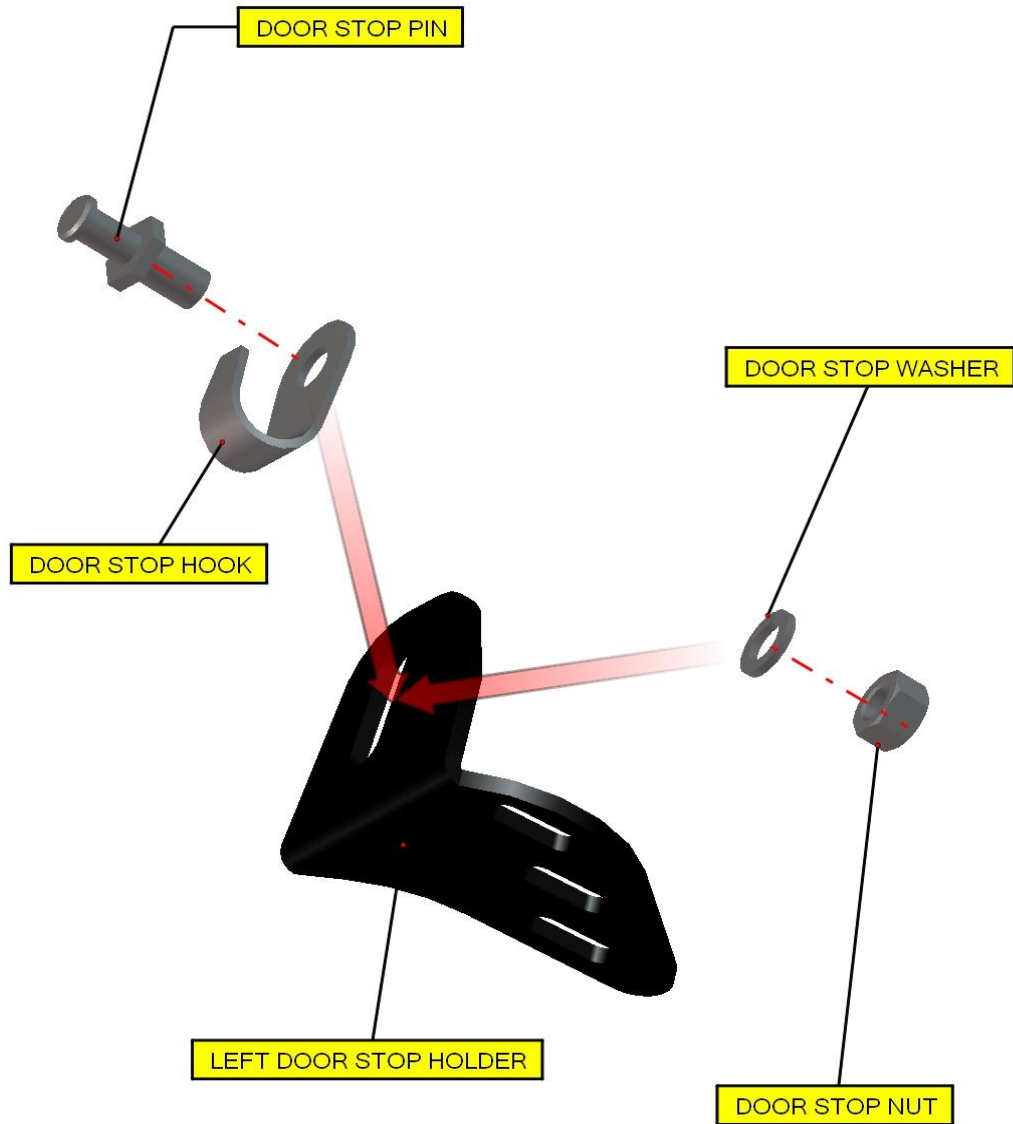


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Adjust the door to best position by hinge ledge and tighten hinge's screws and nuts hard.



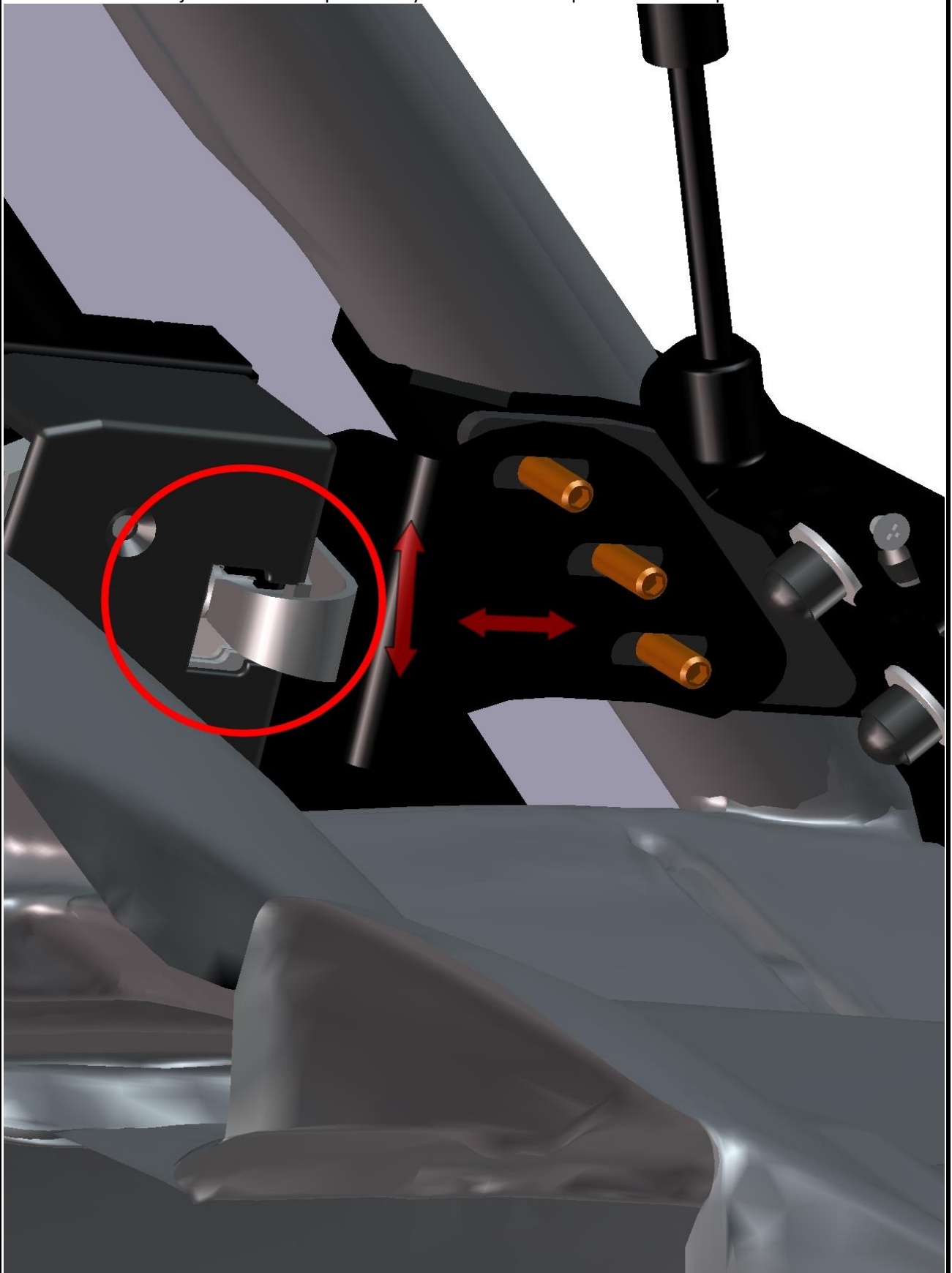
Install the door stop assembly (pin, hook, washer and nut) with the door stop holder and tighten gently.



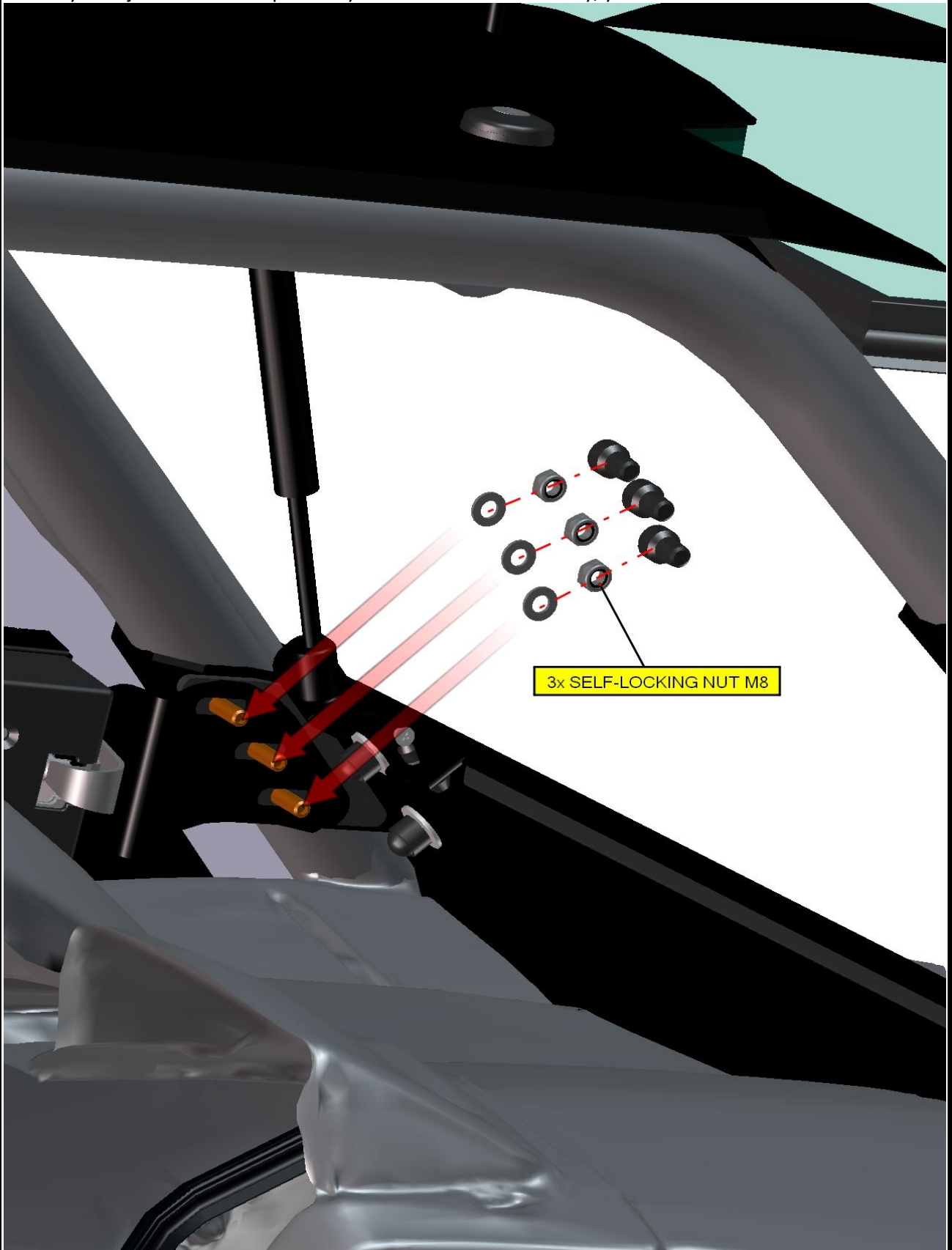
Insert the door stop assembly into the inner door stop mechanism.



Adjust the door stop assembly and the door stop holder to best position.

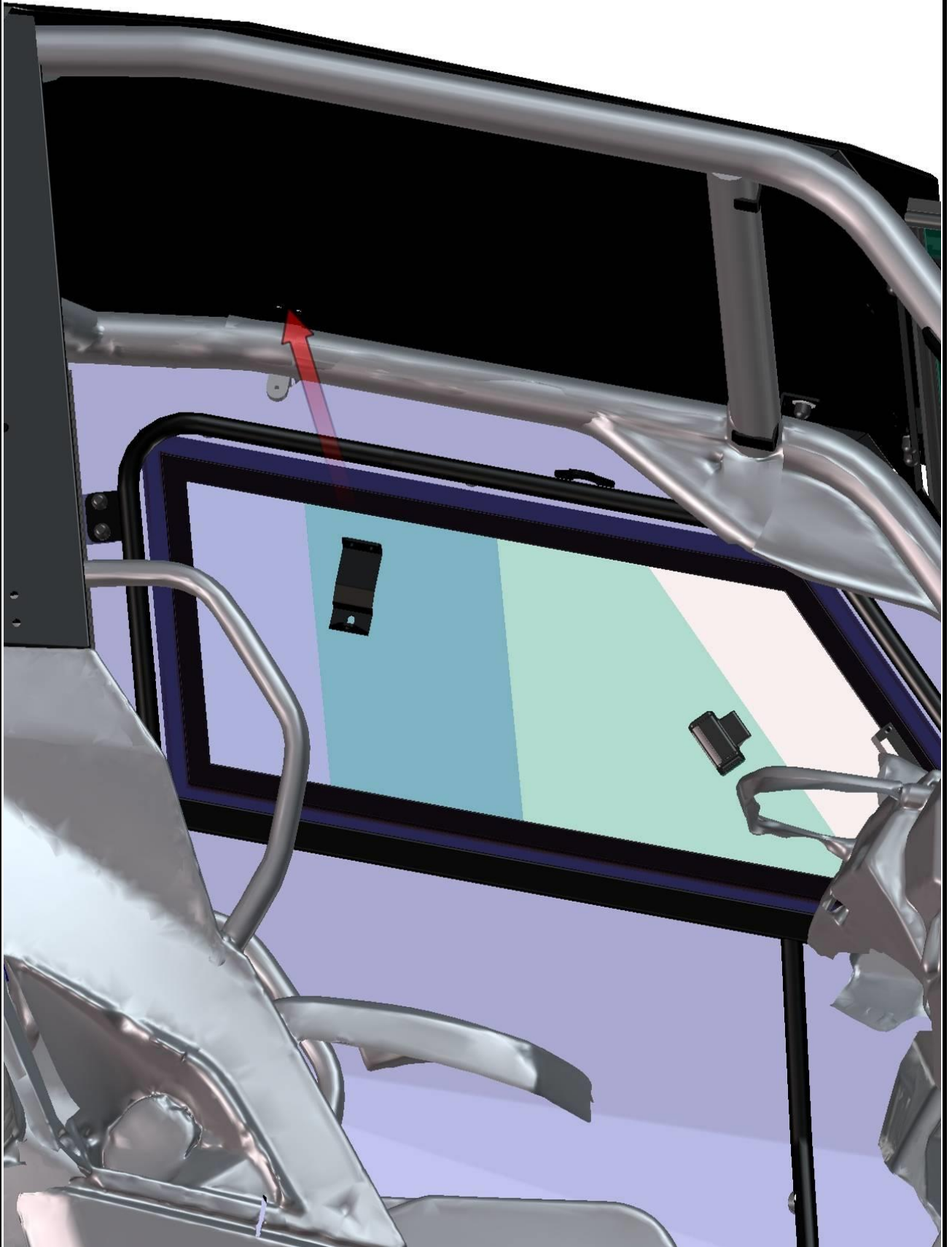


Fix the door stop holder with the front ledge holder by nuts, washers and nut covers and tighten correctly.
If you adjust the door stop corretly and close the door slowly, you can hear 2 clear metallic click.



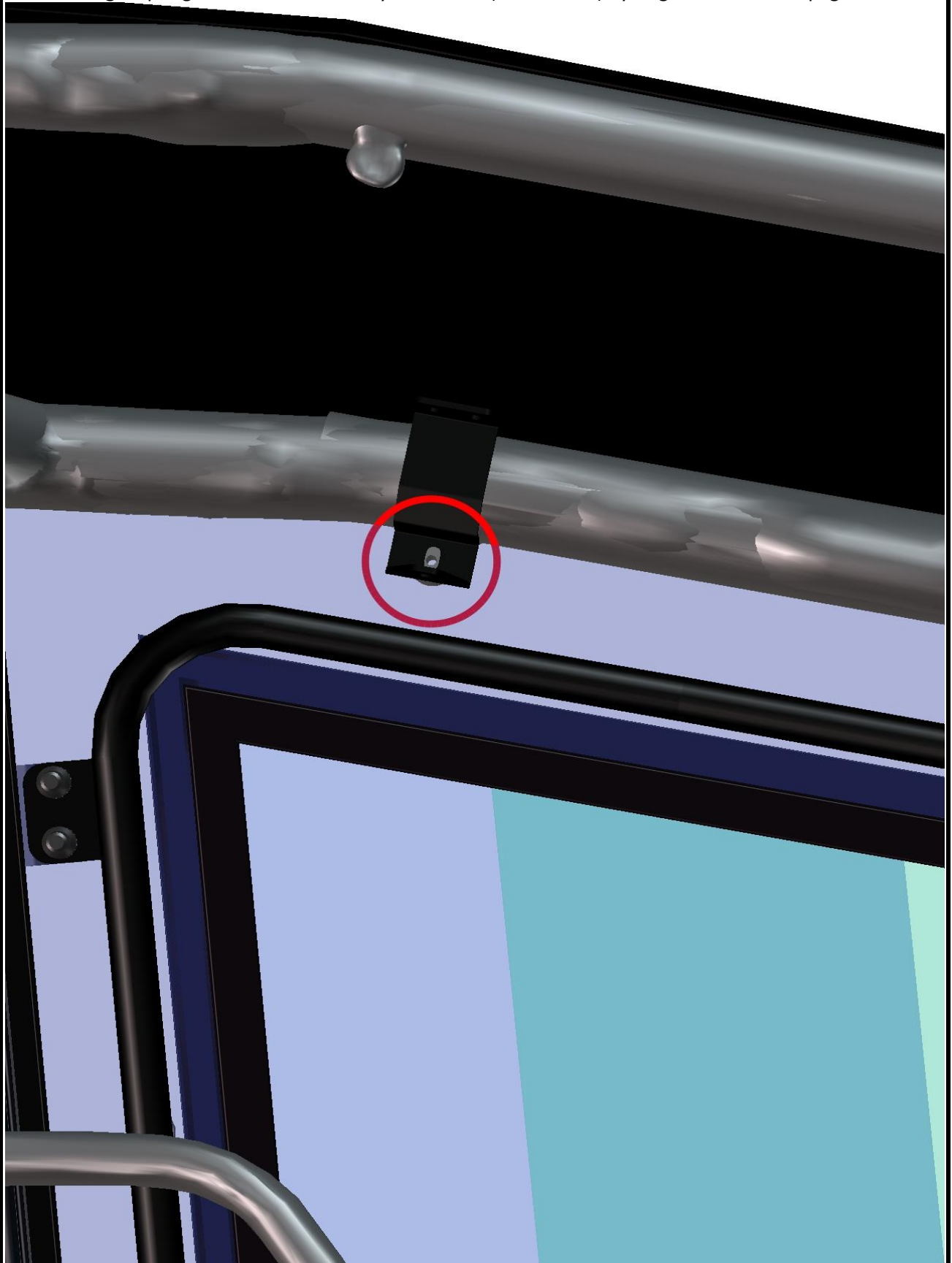
50

Place the gas spring holder onto the roof and onto the roller cage.



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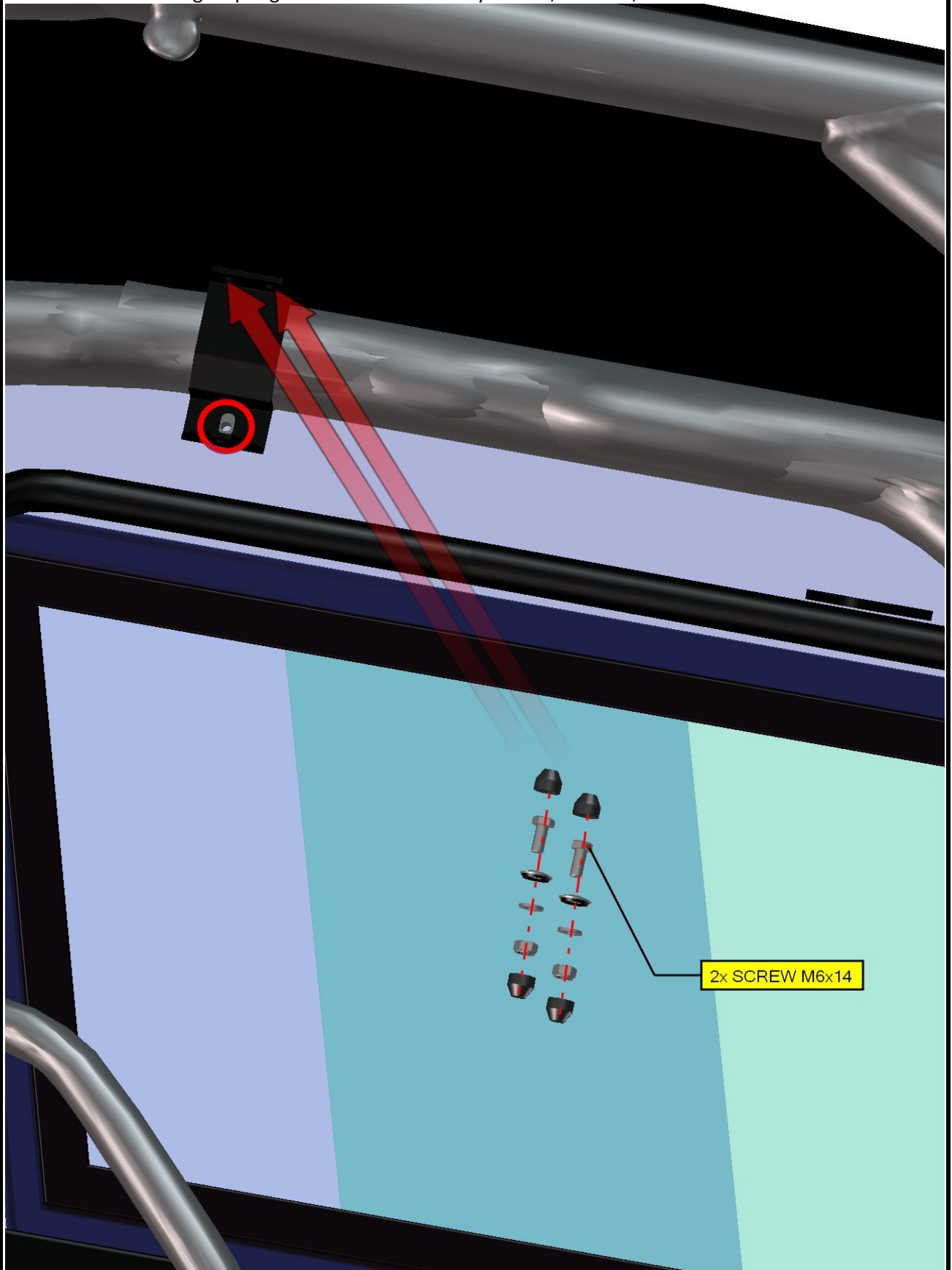
Fix the gas spring holder with the safety net holder (in red circle) by original screw from page No.:6.



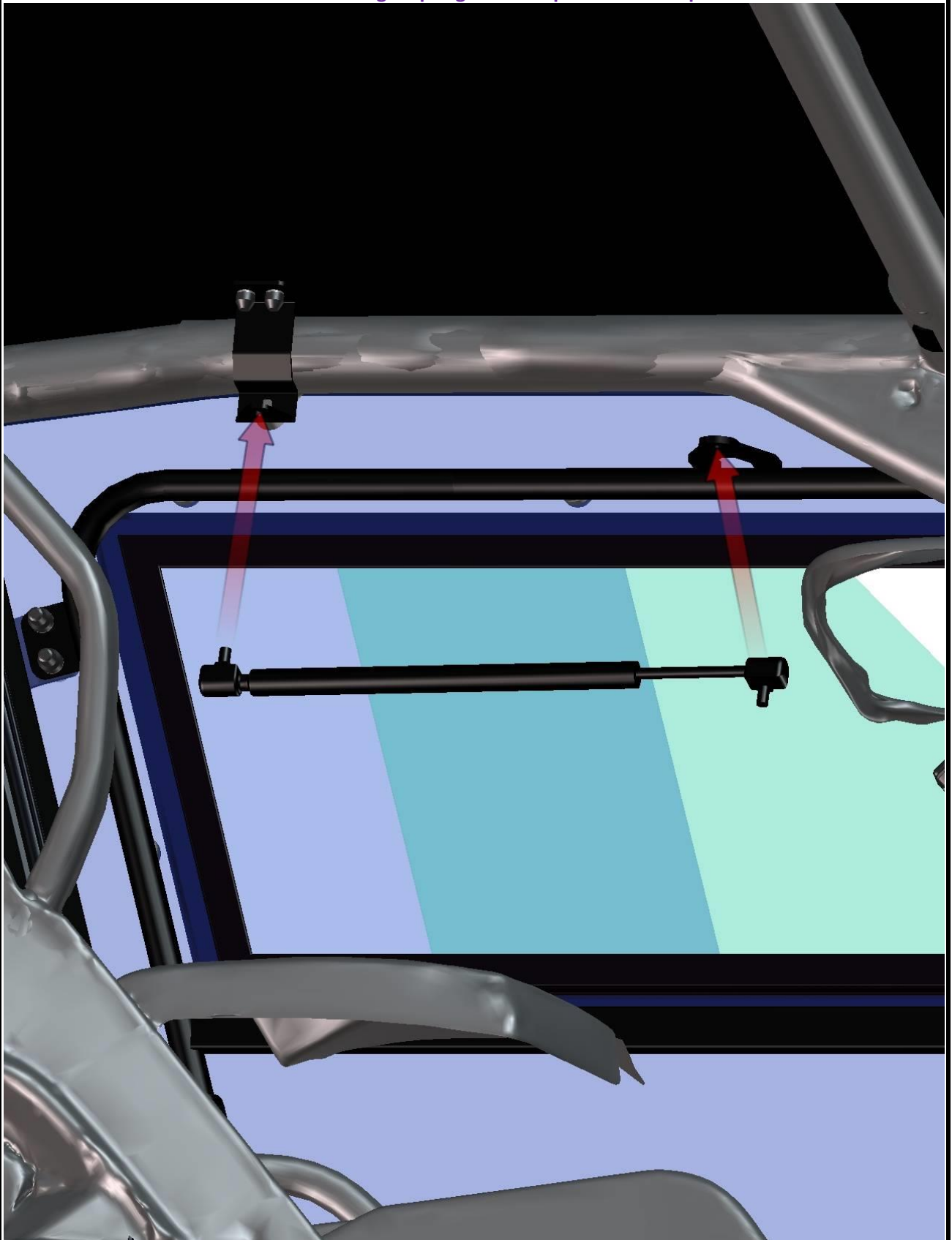
Cut out the holes through the roof upholstery (in red circles) in accordance with gas spring holder's holes and drill holes $\varnothing 8$ mm (0,31-0,33 in) through the roof.



Fix the gas spring holder with the roof by screws, washers, nuts and nut covers.

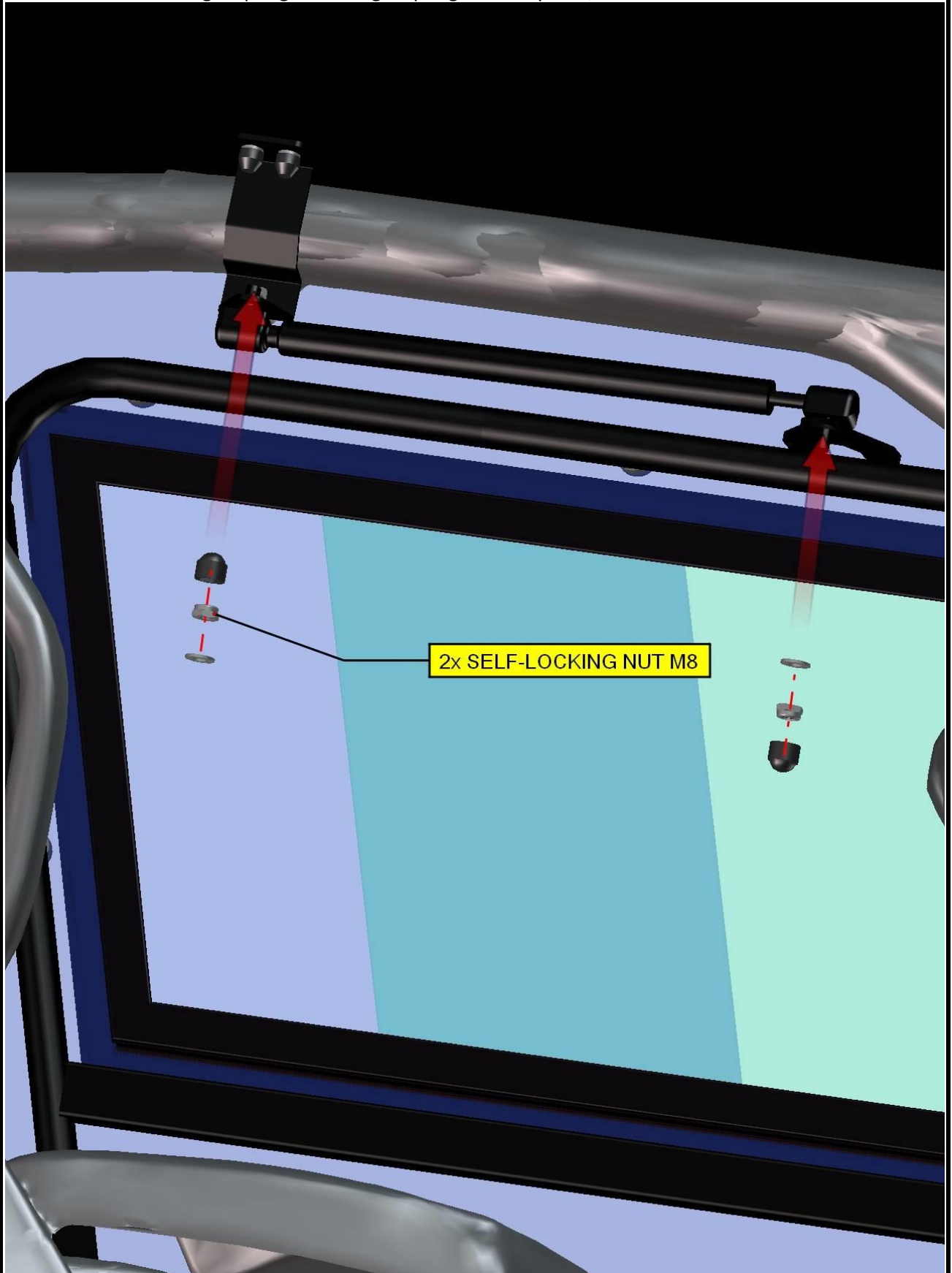


Place the gas spring onto the gas spring holder,
be careful to install gas springs in same position like in picture.



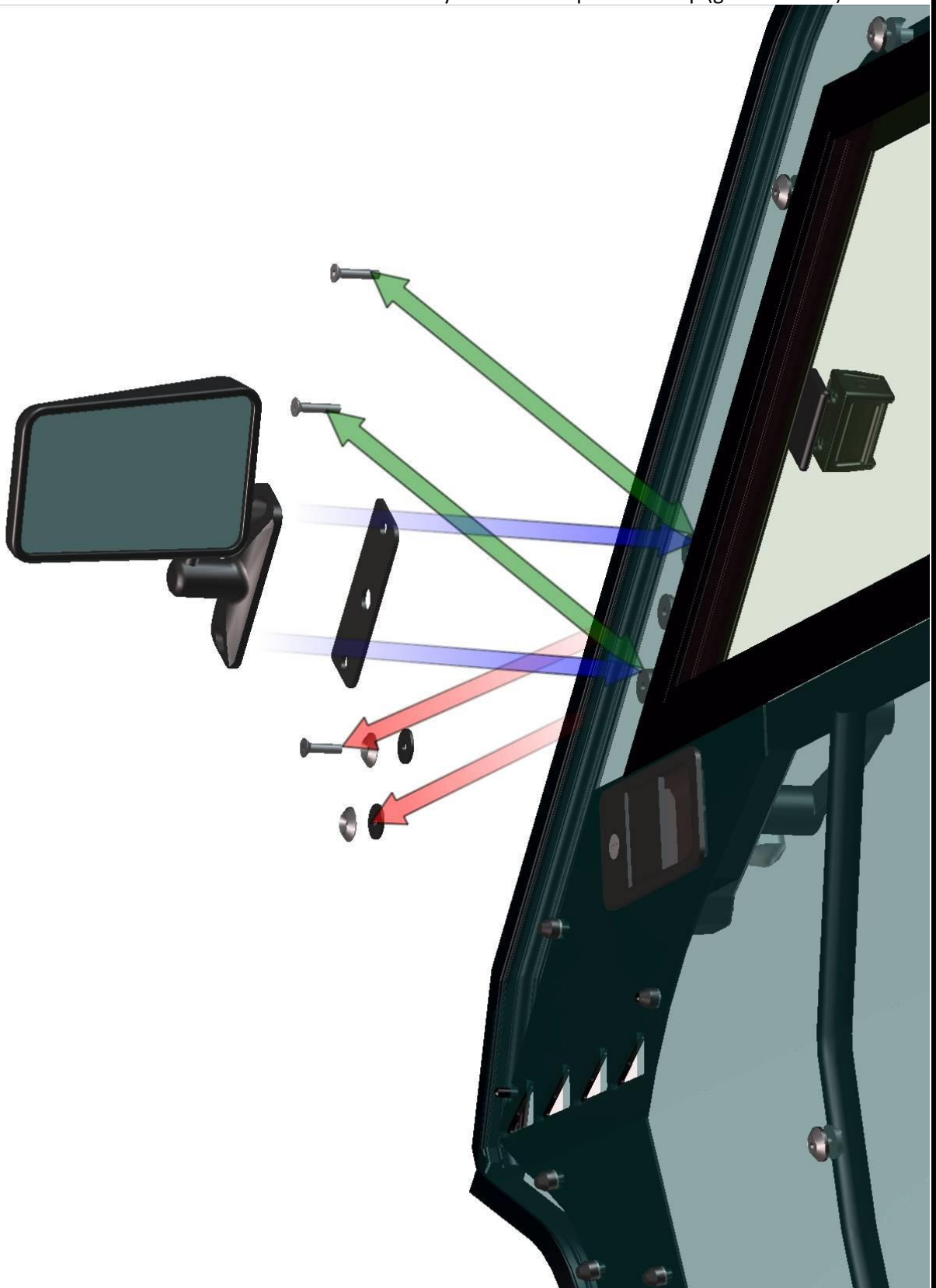
55

Fix the gas spring with the gas spring holder by nuts, washers and nut covers.



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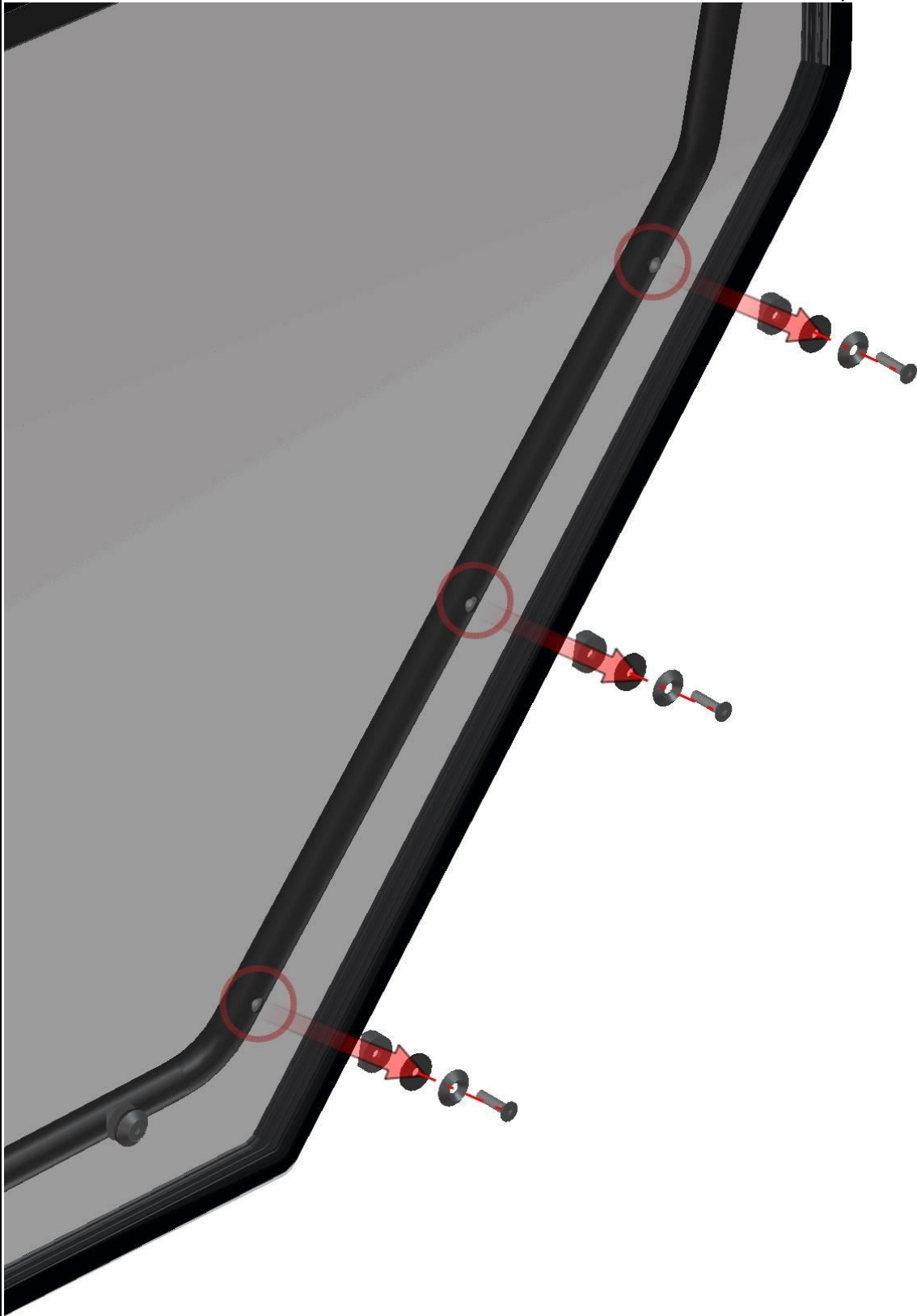
Uninstall screws and washers from the door (red and green arrows).
Place the rear mirror and the mirror washer onto the door panel (blue arrows).
Fix the rear mirror and washer with the door by screws from previous step (green arrows).



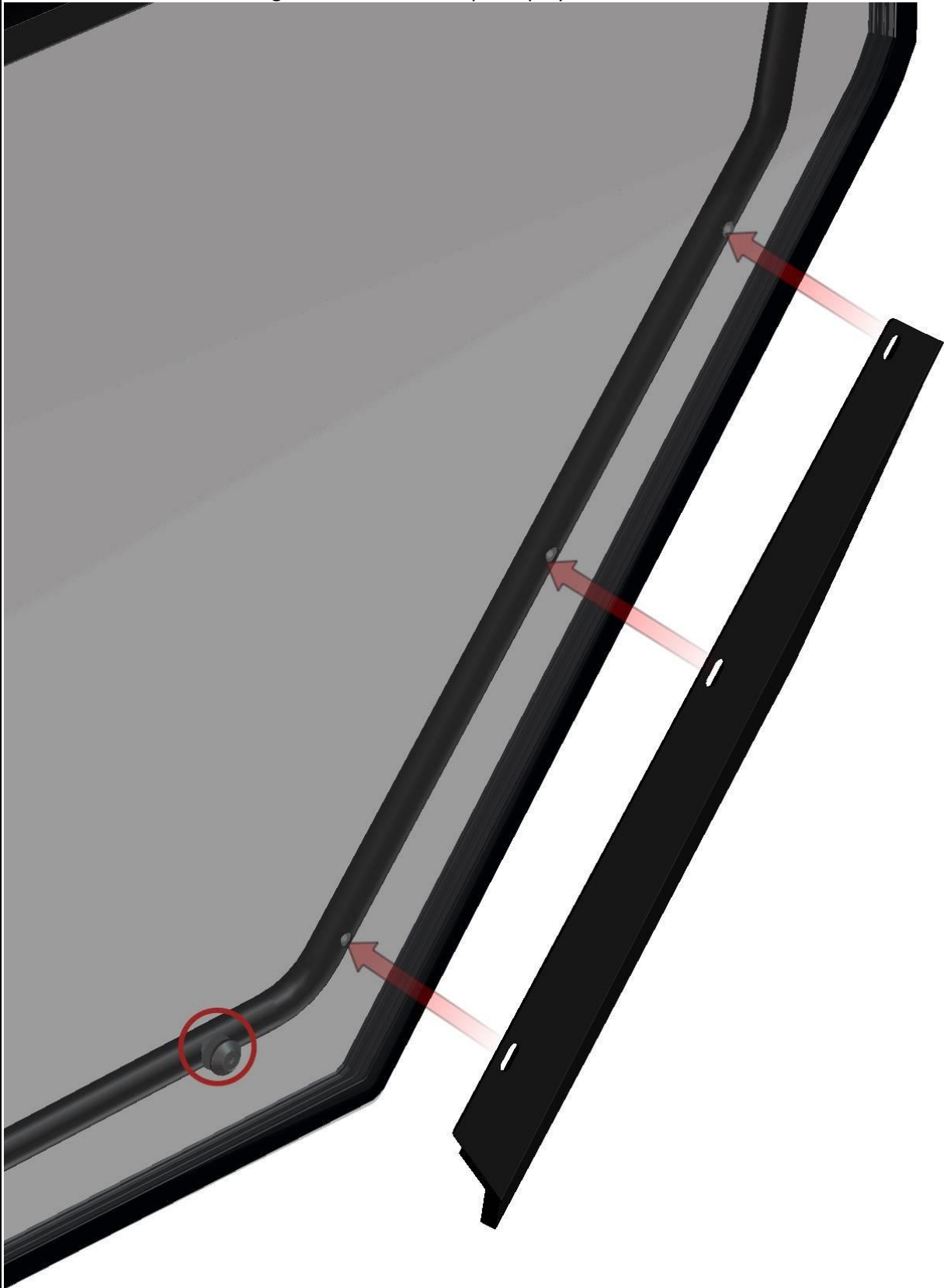
If you have gape between the rear bottom door seal and between the plastic body and you don't have rear bottom door ledge installed use next steps.



Uninstall screws and washers from the door and save these carefully.

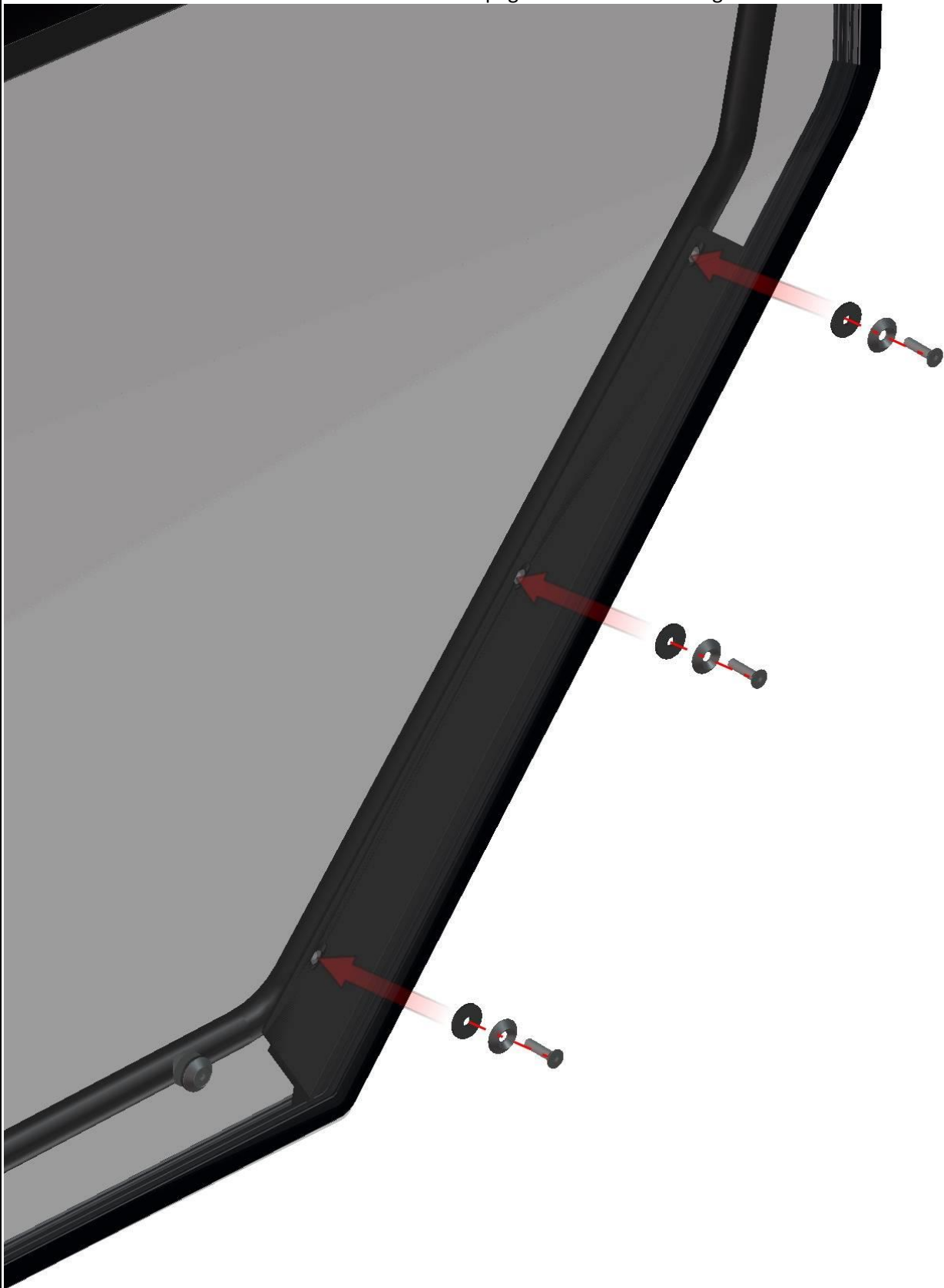


Place the ledge between the door panel polycarbonate and the door frame.



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Install screws and washer from page No.: 59 and don't tighten that.



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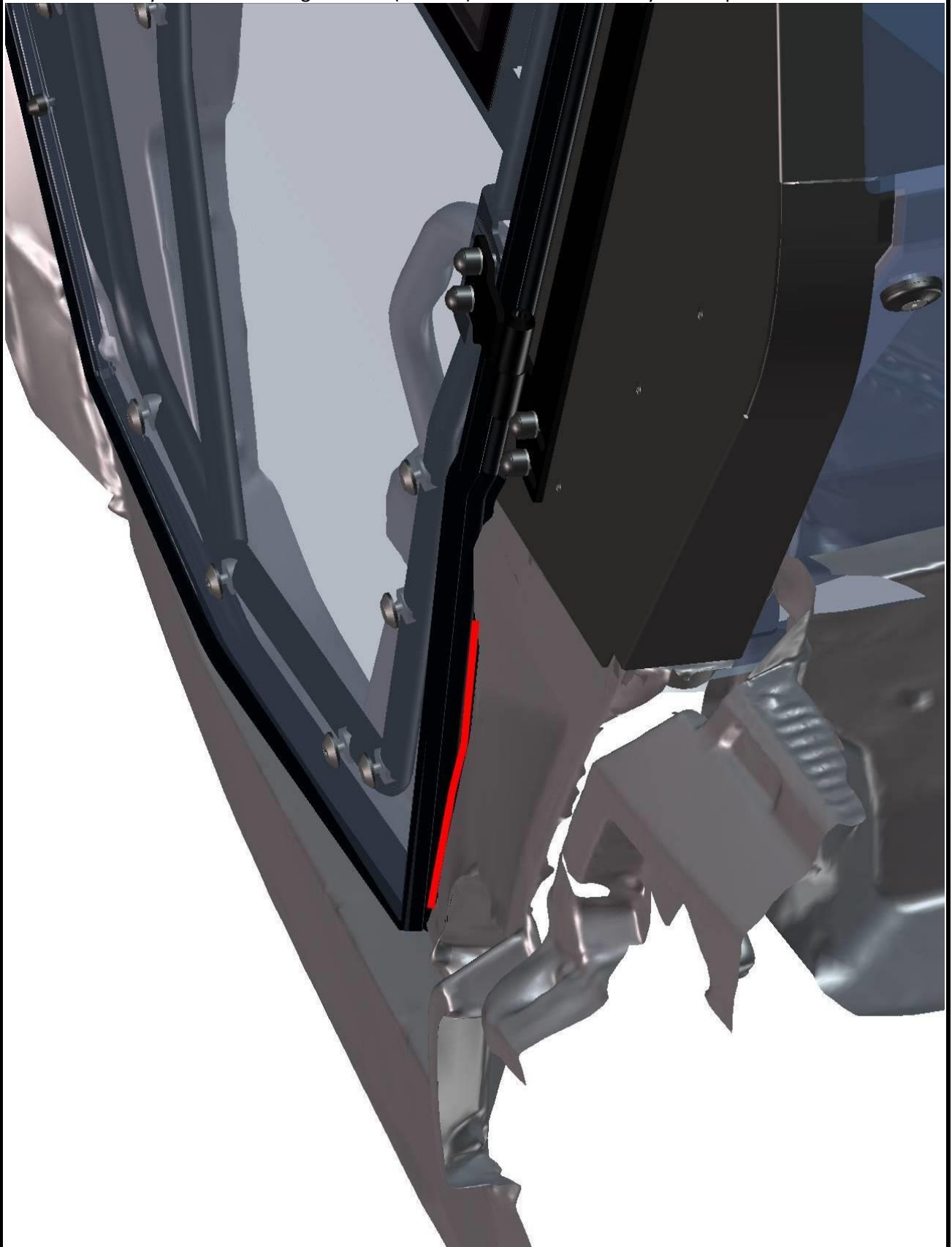
Adjust the door ledge onto best position and tighten screws.



Cut the EPDM ledge to best shape.



If you don't have rear bottom door ledge, or you don't want use that, you can stick self glued seal (red line) onto the UTV'S body in best position.



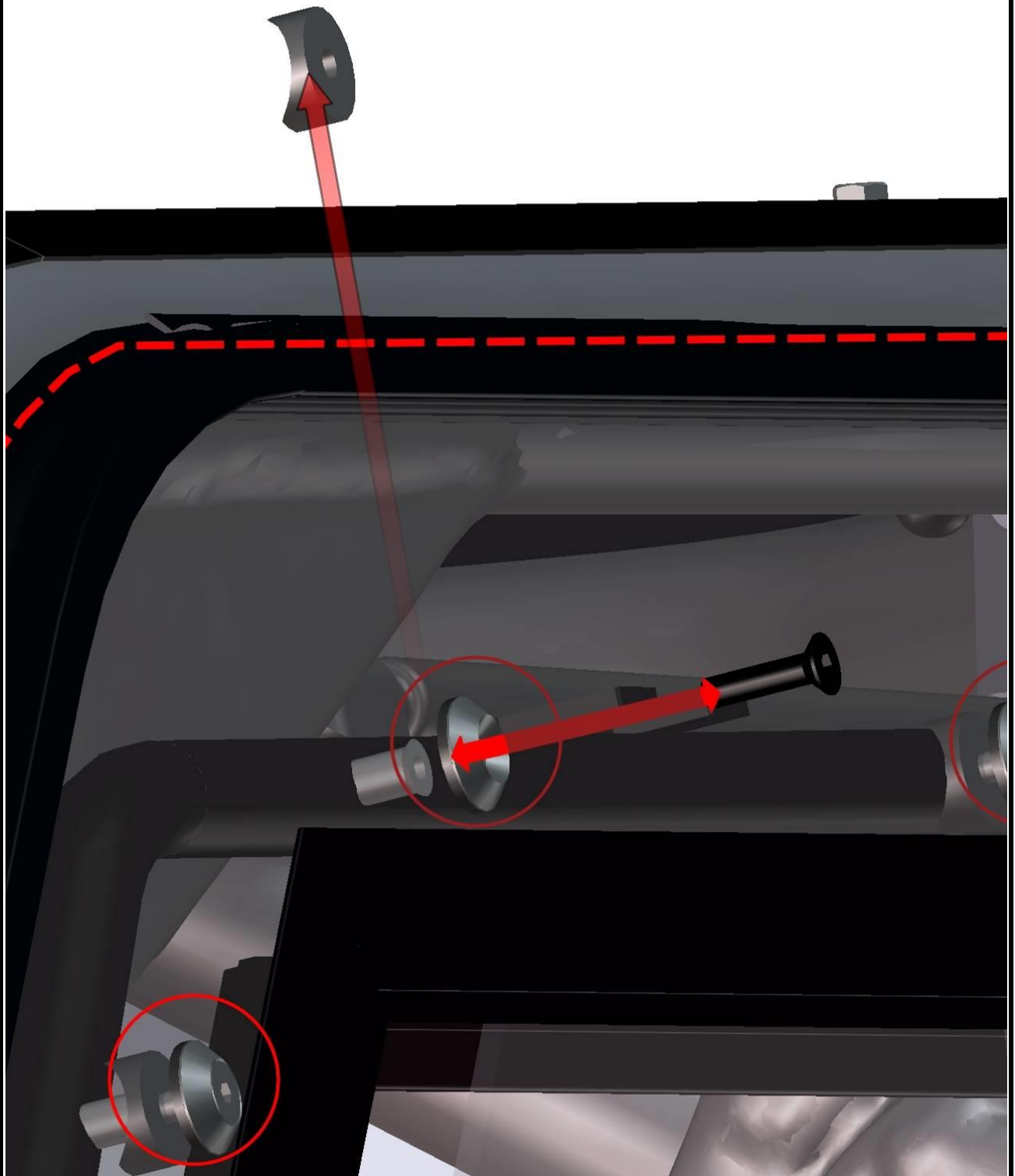
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If you have gaps between the door seal and between roller cage (red line), you can uninstall seat washer from the door. SEE NEXT PAGE



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Detail view onto the uninstalling.



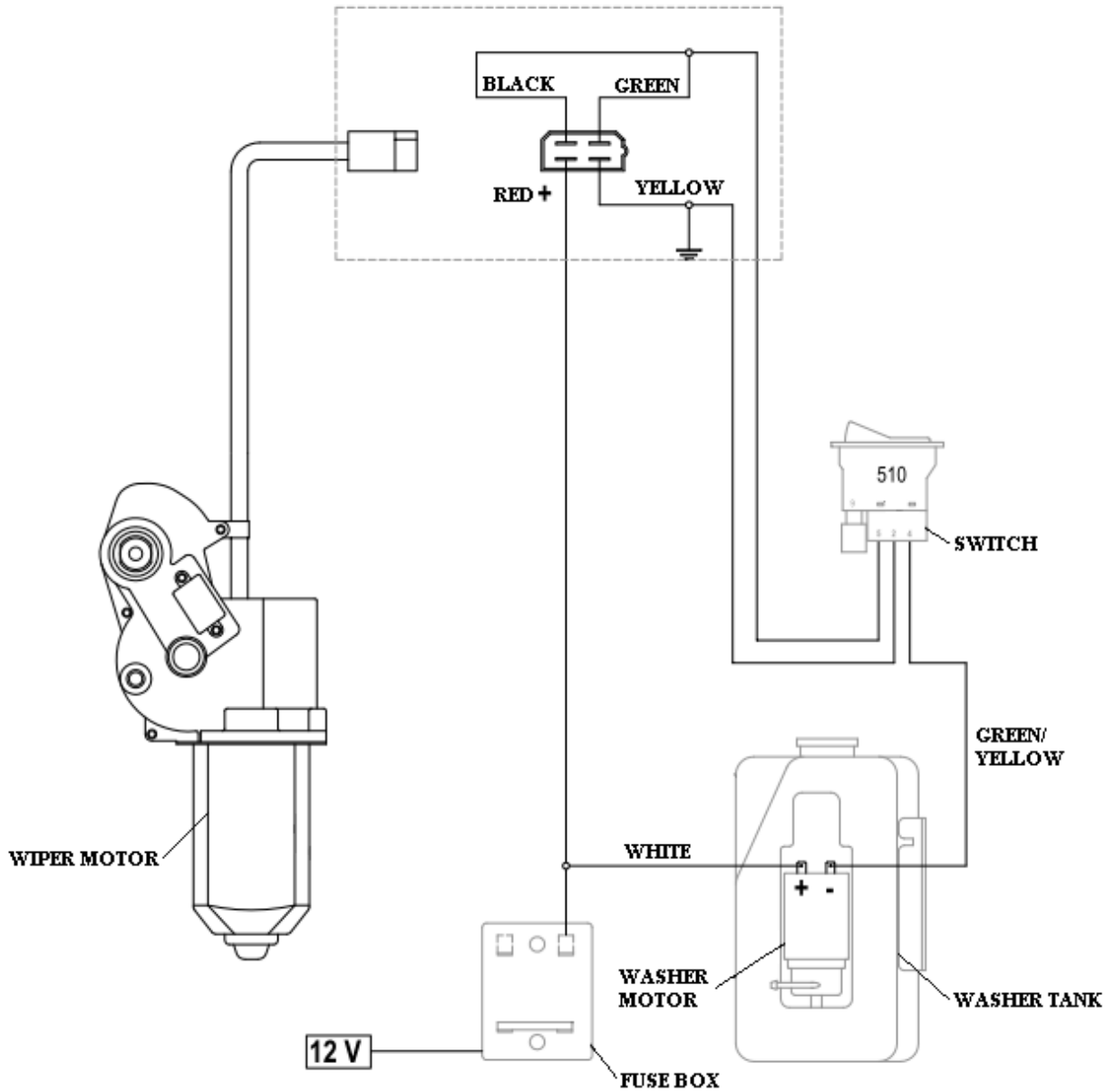
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THE RIGHT DOOR INSTALLATION IS SIMILLAR WITH THE LEFT DOOR INSTALLATION



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ELECTROINSTALLATION
Overall wiring diagram



Washer tube



switch wiper/washer/off



Harness with washer tank



Washer tank has be placed on the left outer wall after driver seat.



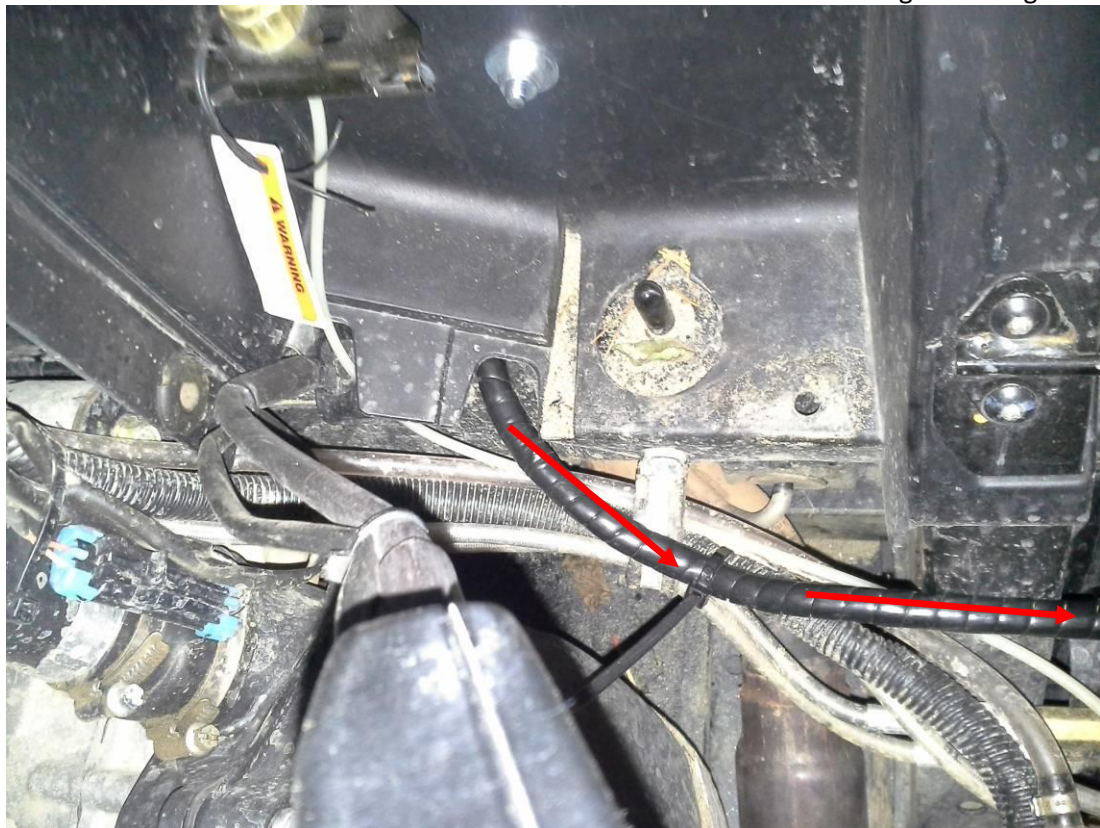
Take out the driver seat and the plastic covers from the driver under seat.
Take out the washer tank holder "Ω" (black) from the washer tank.



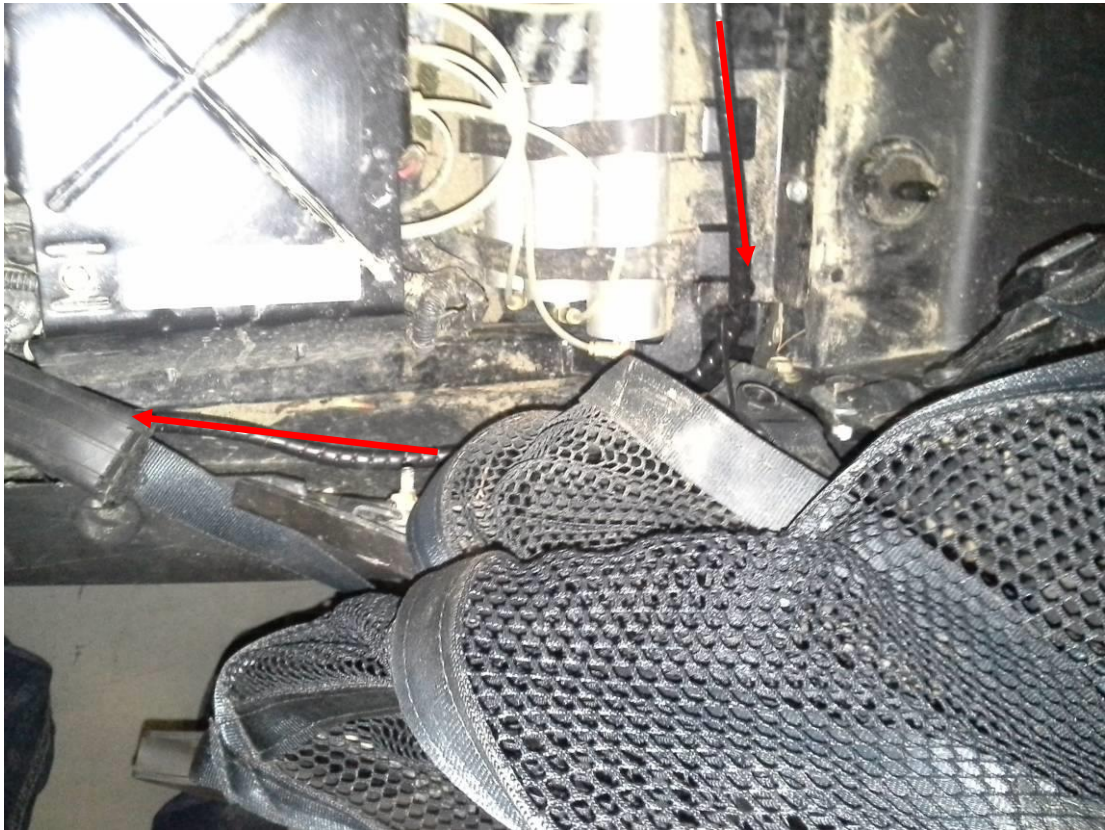
Fix the washer tank holder with the rear wall by included screw, washers and nut.



Place the washer tank onto the washer tank holder and lead the harness through the original hole.

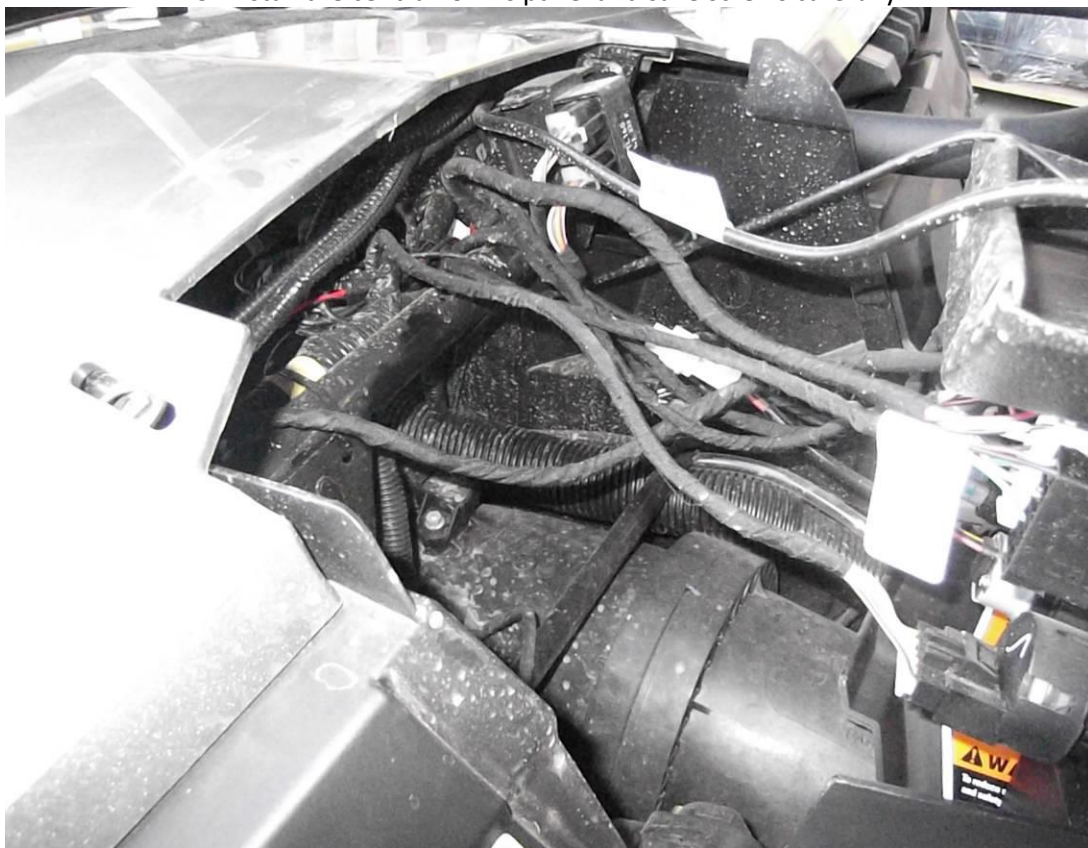


Lead the harness from washer tank to the UTV main fuse box.





Uninstall the central UTV's panel and save screws carefully.



Lead the harness No.:1 from the fuse box to the dashboard centrall tunnel.
Take out the blind from the swith panel and cut bigger hole for included switch pull the harness branch
No.: 1 throught the hole.



Connect the harness branch No.: 1 with the switch in accordance with the picture and insert switch in hole.



Insert the switch with connected harness into the hole and press gently to correct position.



Drill hole \varnothing 20mm (red circle) into the dashboard.



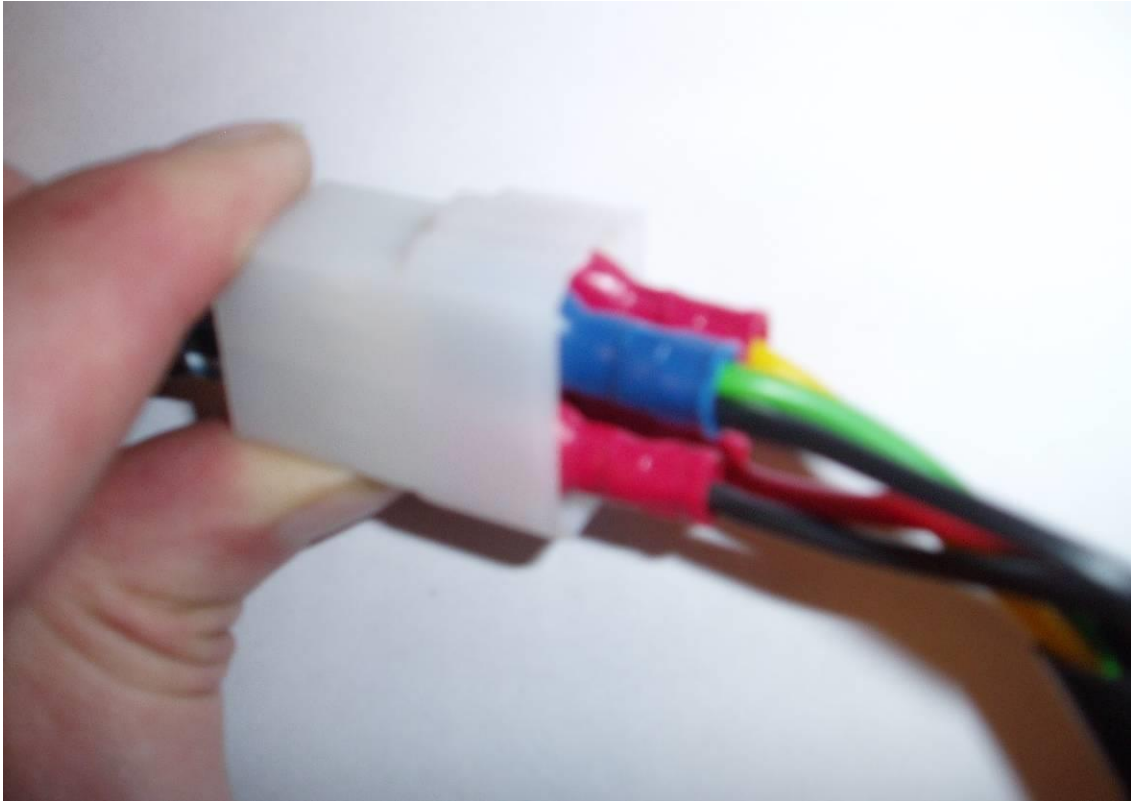
Pull the harness branch No.: 3 throught the hole from previous page and lead the branch (red arrows) around the front left part of the roller cage.



Lead the branch (red arrows) from the left upper corner to the wiper motor around the roller cage.



Uninstall the wiper motor cover from the wiper motor.
Connect the harness branch No.: 3 with the wiper motor connector. And place the cover back.

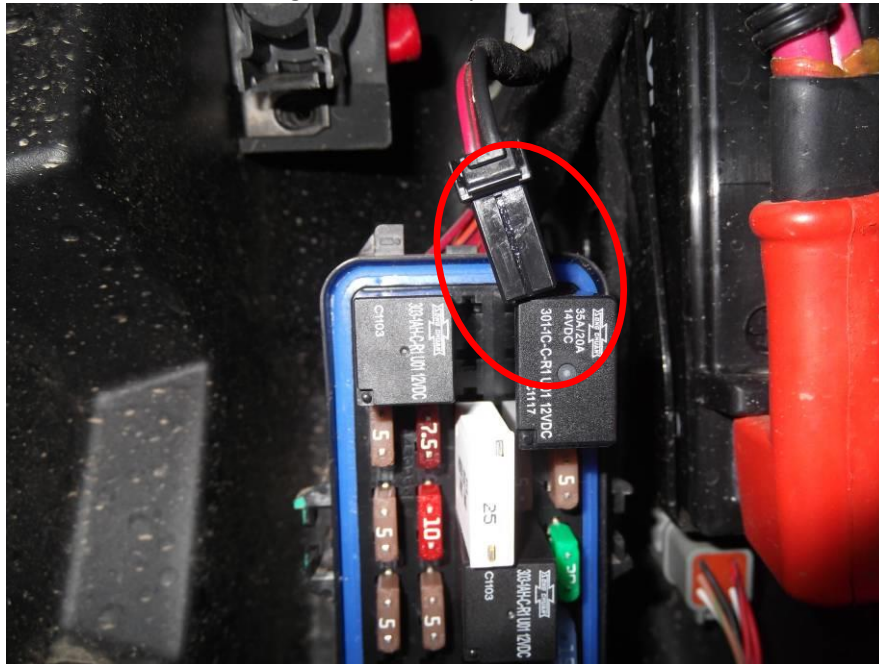


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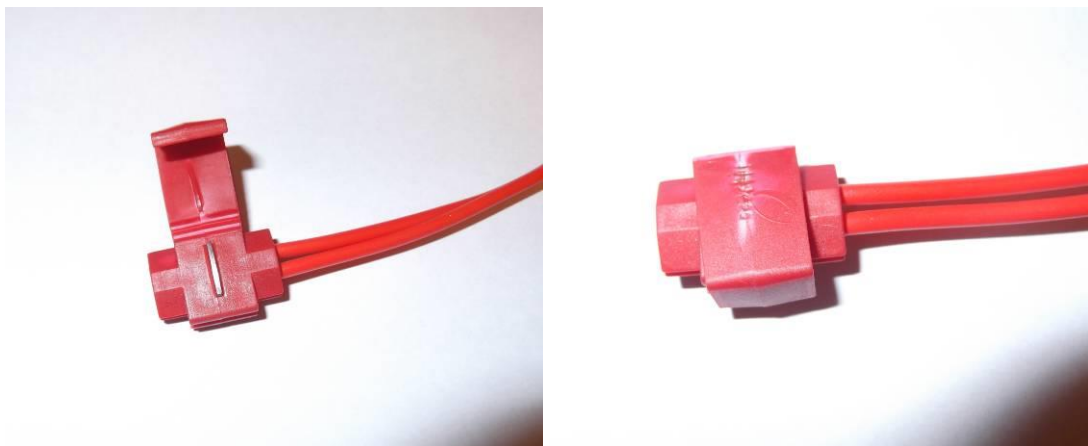
Lead the harness branch No.:2 from the dashboard tunnel to the main electric box on the bottom side of the driver dashboard.



Take out the original connector (in red ellipse) from his position (NO CUT) and connect the harness branch No.: 2 with the original harness by included "thief" connectors.



Connect one red and one black wire from original harness with one red and one black wire from wiper/washer harness. Don't cut connectors from wiper/washer harness. You have to isolate the harness connectors by isolating tapes to prevent short circuits.



SEE NEXT PAGE

Pull the washer hose from the wiper arm through the bushing in the front upper ledge.
Connect the harness washer hose with the wiper arm washer hose by washer tube.

Detail view to washer tube



Fill the washer liquid to the washer tank before first usage!