

HardCabs

A DFK AMERICA COMPANY

INSTALLATION INSTRUCTIONS

HONDA **PIONEER 700-4 (2014)**



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 TO properly latch/lock front window before driving the vehicle could result in serious injury.***

For safety purposes, if the DFK Cab doors are removed, it is mandatory that the OEM Half Doors or Nets are REINSTALLED before operating vehicle.

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

					
Ratchet handle		Socket beg 13 mm (0,51 in)		Hex key 5 and 6mm	

PREPARATION FOR INSTALLATION:

Uninstall all additional systems from the roller cages (work lights, rear mirrors, drink holders etc.)

Uninstall the front original door from the UTV from both sides and save these for later usage.



CAB PREVIEW



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ELECTROINSTALLATION-WIPER+WASHER step 1.**Parts needed**

Included

Washer tube



Switch wiper/washer/off



Harness and washer tank



Wiper harness



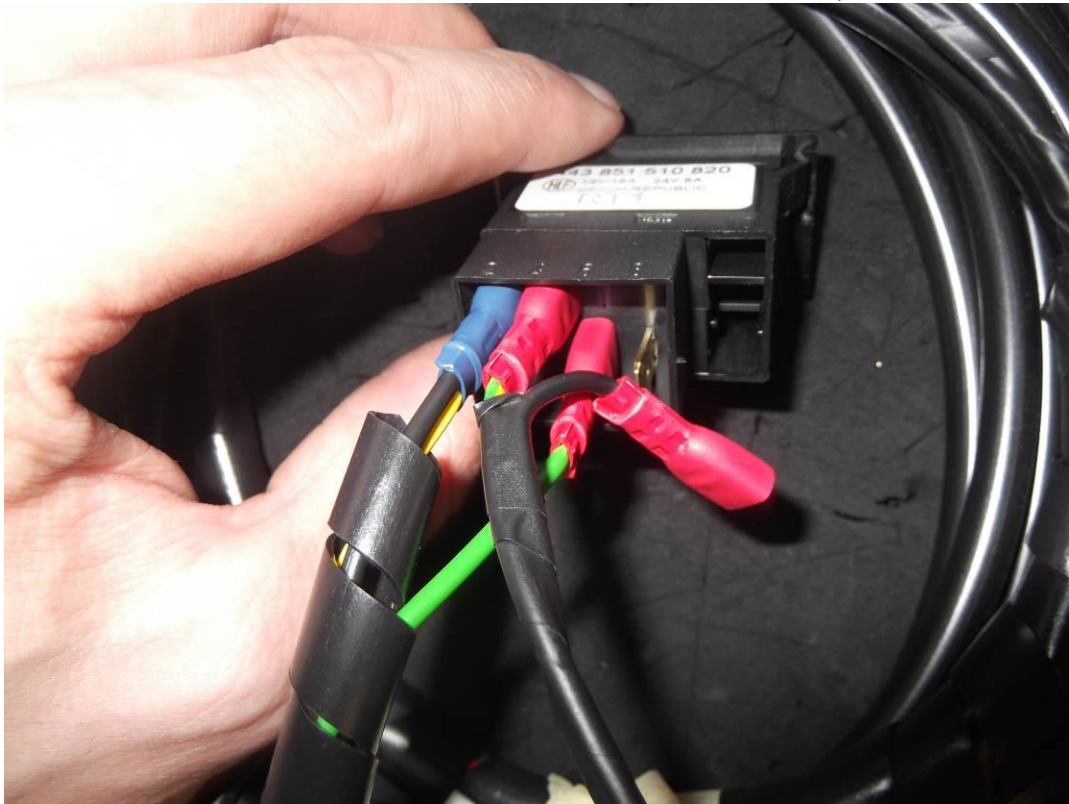
Find the best place for washer tank and install that by included screw, washers and nut.
Loosen original fixing points and pick up the dashboard carefully.



Run with the washer harness from the washer tank to the dashboard near the driving wheel.
Find the best position for the wiper/washer switch and cut rectangle hole 22,1x44,1 for switch.



Insert the wiper harness into the dashboard inner space and run harness branch switch to the switch hole.
Stretch the harness branches for switch through the hole from previous page.
Connect the branches with the switch in accordance with picture.



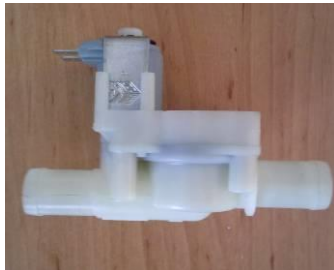
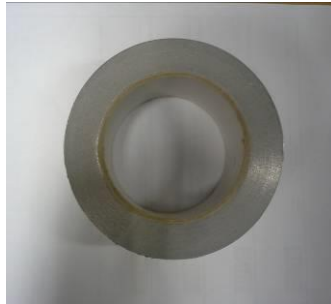
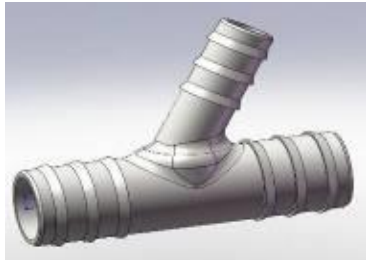
Run the washer hose and wiper harness from the harnesses to the right roller cage.



Stretch the harness and hose through the original gape or drill hole near the roller cage.

ELECTROINSTALLATION – HEATER

Parts needed (included)

					
Heater with cover		Bleeding valve		Electric vent	
					
Tightening straps		Air vent corner		Air vent straight	
Smaller, bigger and large					
					
Hot air hose		AL tape		Y couplings	



Heater harness



Hot water hose

Find the best place for air vents in dashboard.

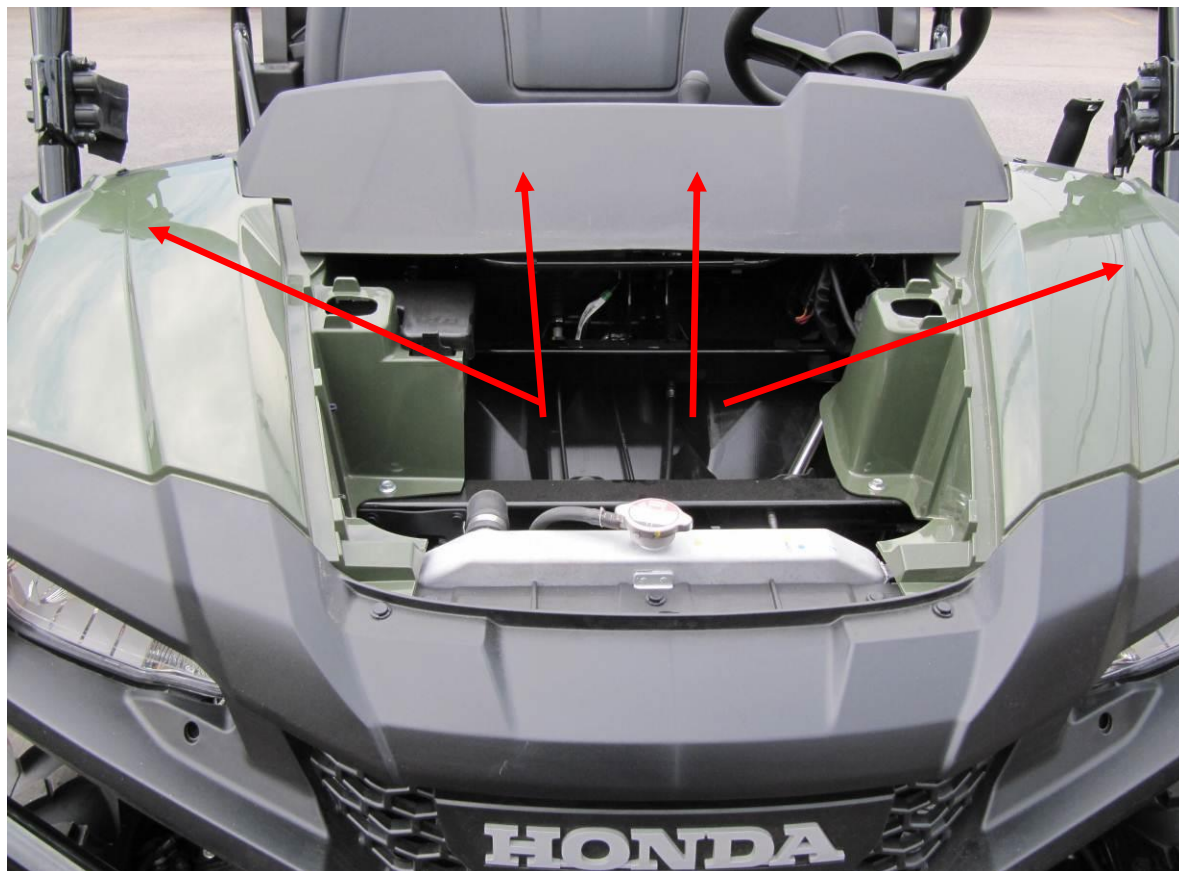


It is necessary to find position without metal reinforcement under the dashboard plastic body





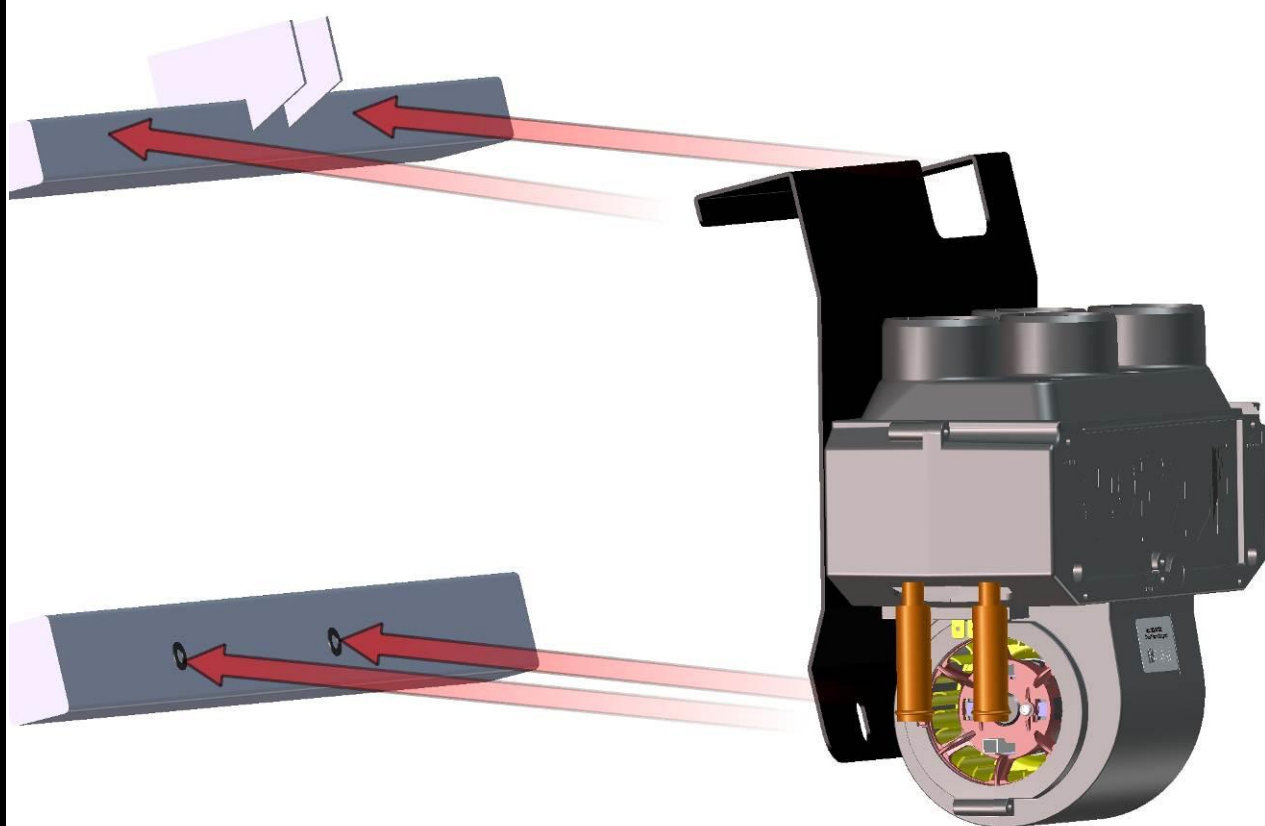
Make marks in correct position and cut 4 holes Ø3in (76mm) for air vents.
Place the heater hoses into the front dashboard and run hose to the cuted holes.



Stretch the hoses through the cuted holes and install with the air vents. Tighten the hoses with the vents by tighten straps or by AI tapes.

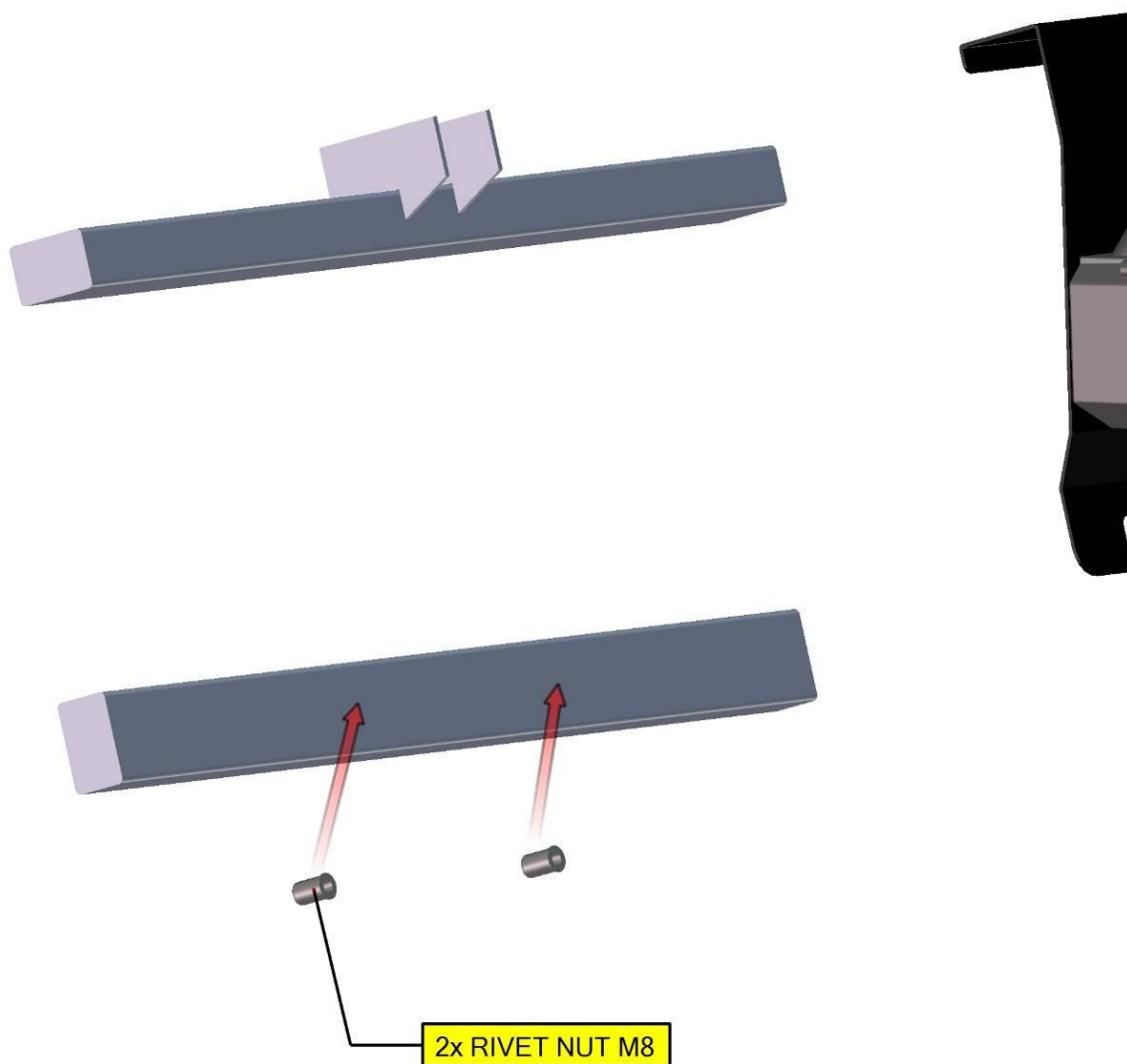
SEE NEXT PAGES

Place the heater holder onto the position.

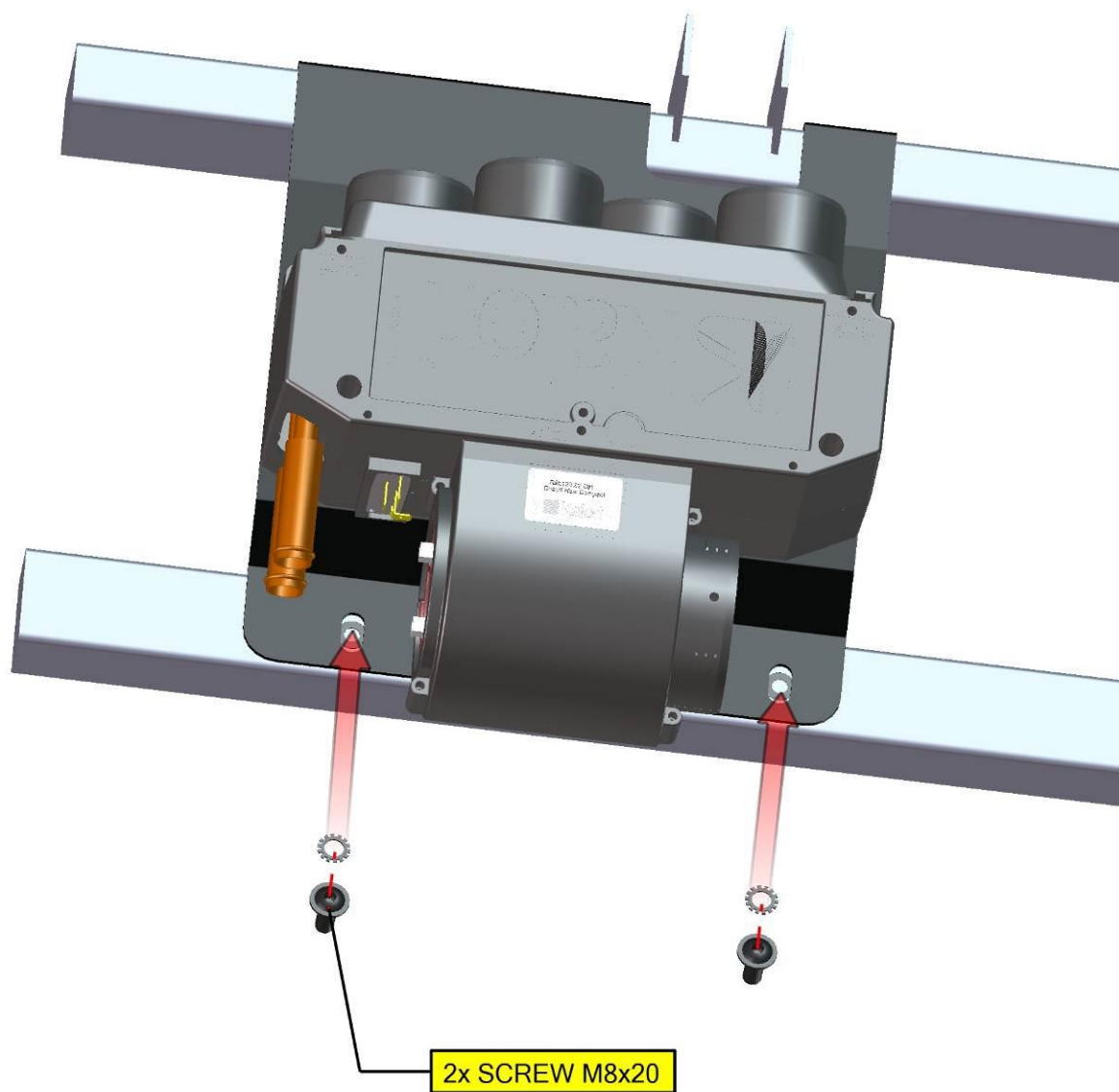


16

Make marks onto the frame in accordance with the heater holder's holes.
Drill holes $\varnothing 11,2$ into the marks centers and insert rivet nuts into the holes.



Fix the holder with the frame by screws and washers.



18

Find the best position for heater switch and for el. valve switch.
Drill hole 21mm for el. valve switch into the dashboard.

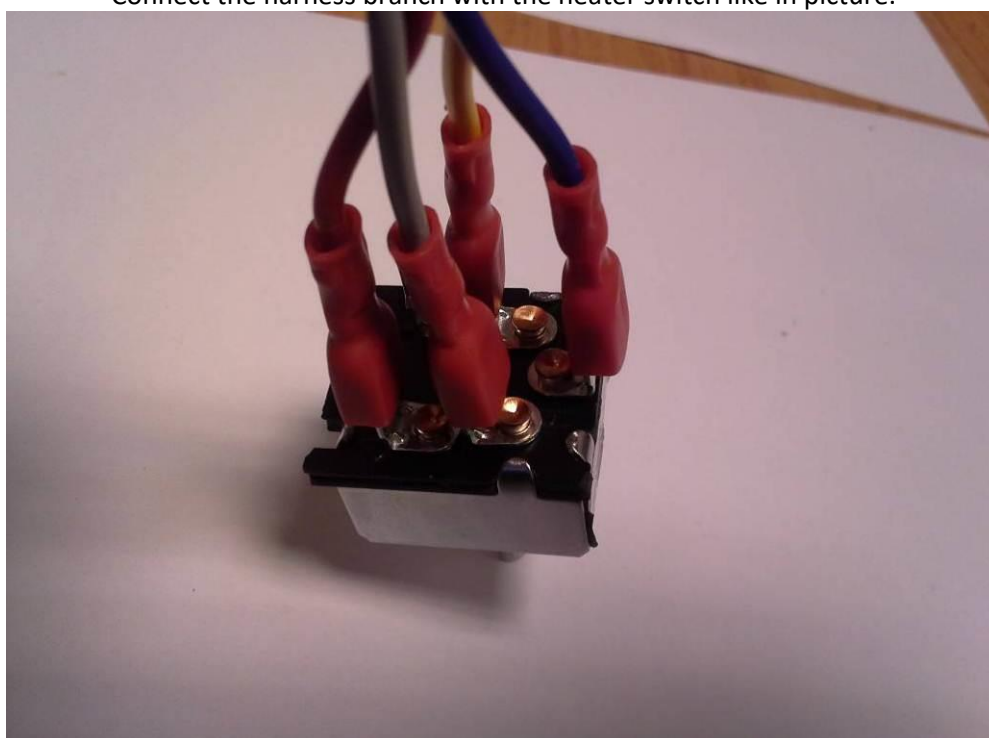


SEE NEXT PAGE

Drill 1 hole $\varnothing$ 11,5-14mm (0,45-0,55 in) and 2 holes $\varnothing$ 2,5-4 mm (0,1- 0,16 in) into the dashboard in accordance with the ventilator switch base.



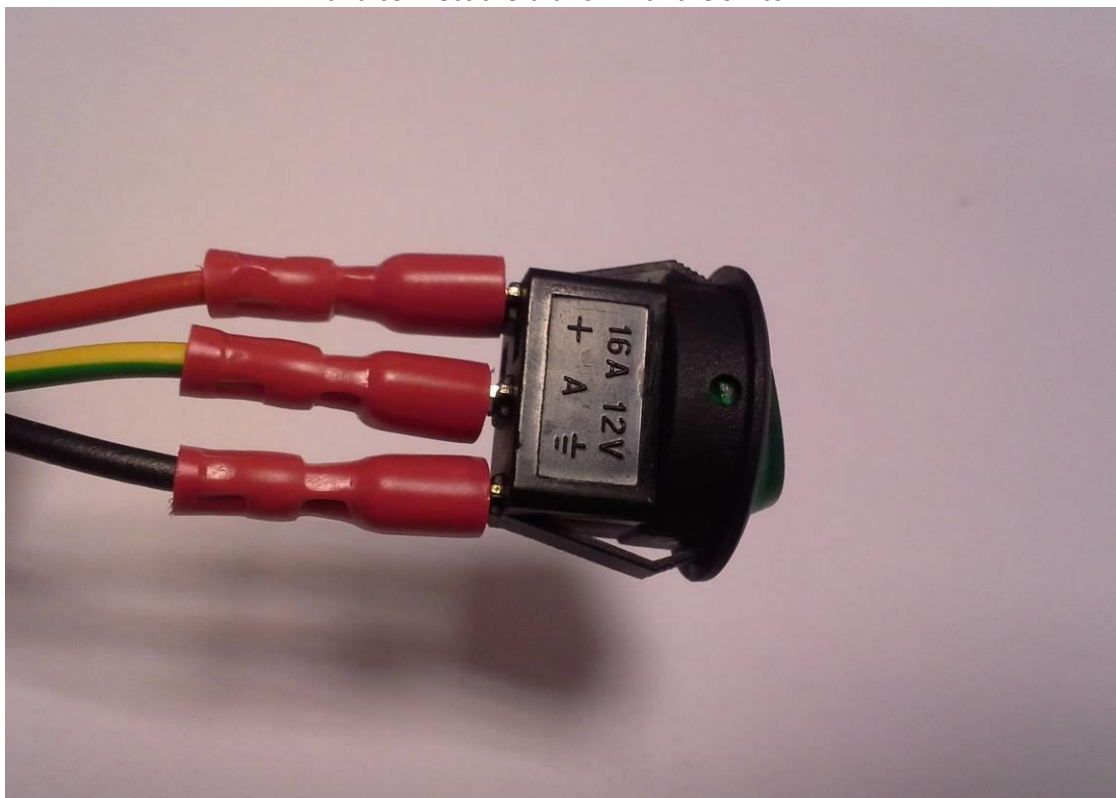
Connect the harness branch with the heater switch like in picture.



Insert the heater switch into the hole from inner side and install remaining parts of the switch.



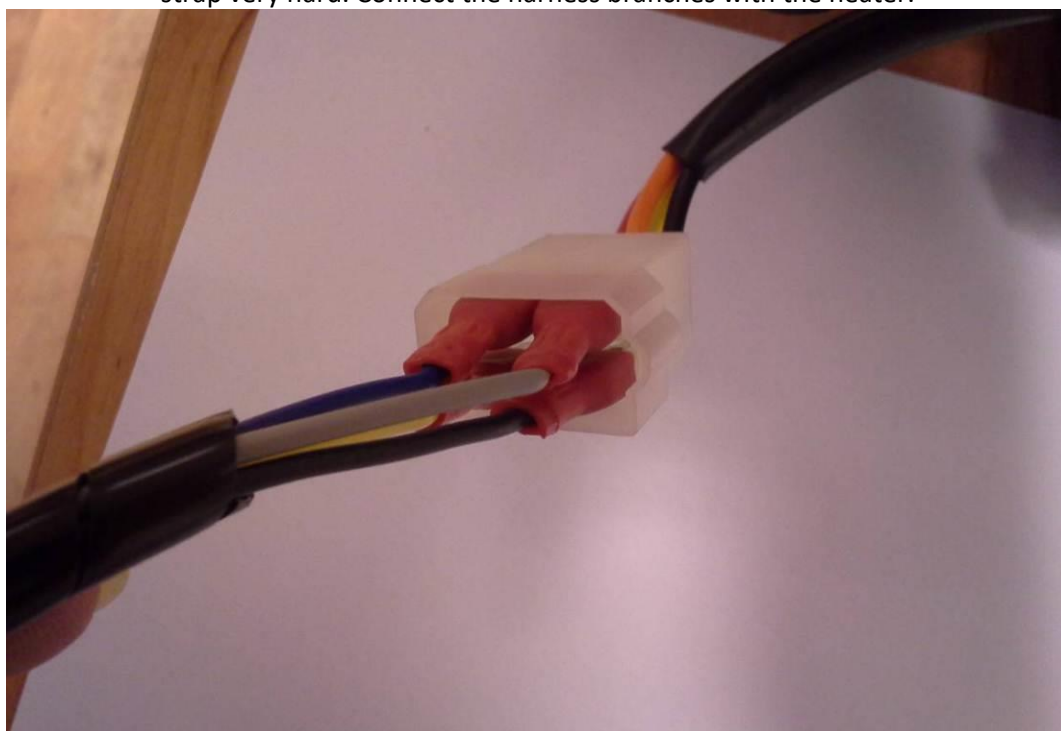
Pull the harness branch for el. valve switch through the hole from previous page (bottom picture) and connect the branch with the switch.



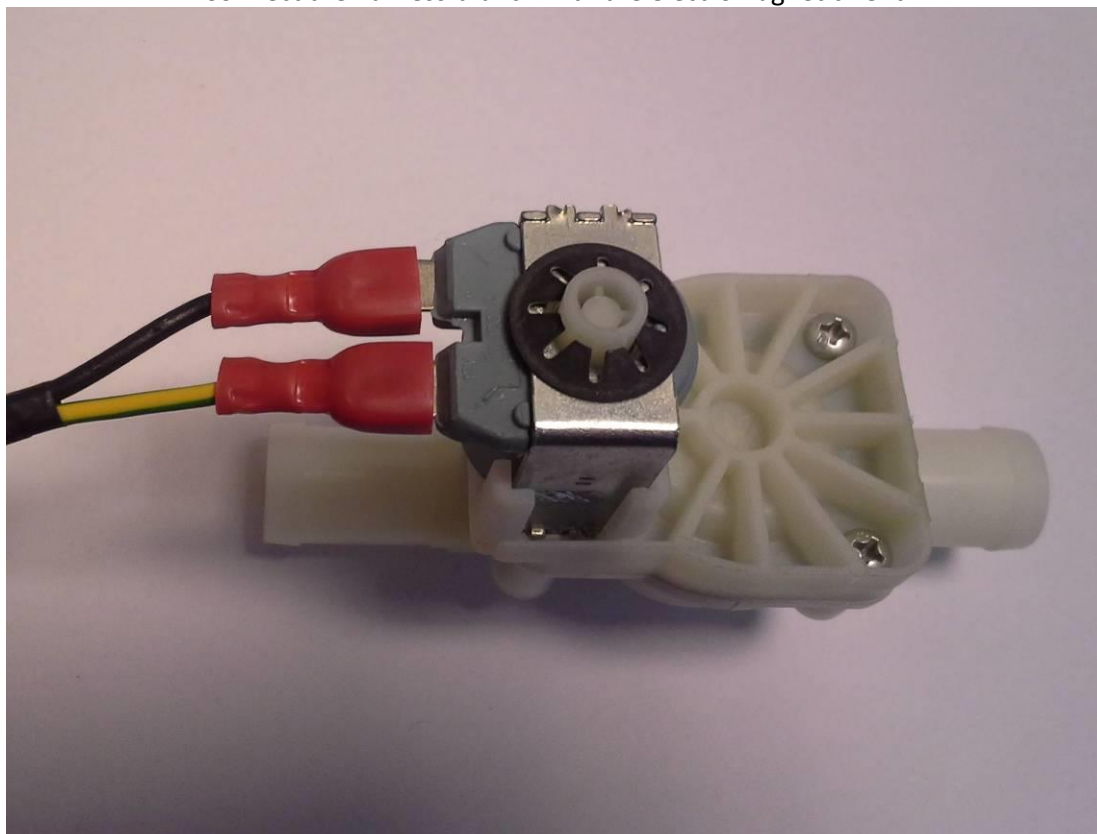
Run the heater harness from the switches to the heater.
Install the short hose and remain of the hose to the heater tubes. Fix these hoses with the heater tubes by tightening straps and tighten these straps very hard. Insert the tightening strap onto the shorter hose and install electromagnetic valve in same orientation like in picture. Tighten that strap very hard.



Install the heater hose onto the el.valve fix hose with the el. valve by tightening straps and tighten this strap very hard. Connect the harness branches with the heater.



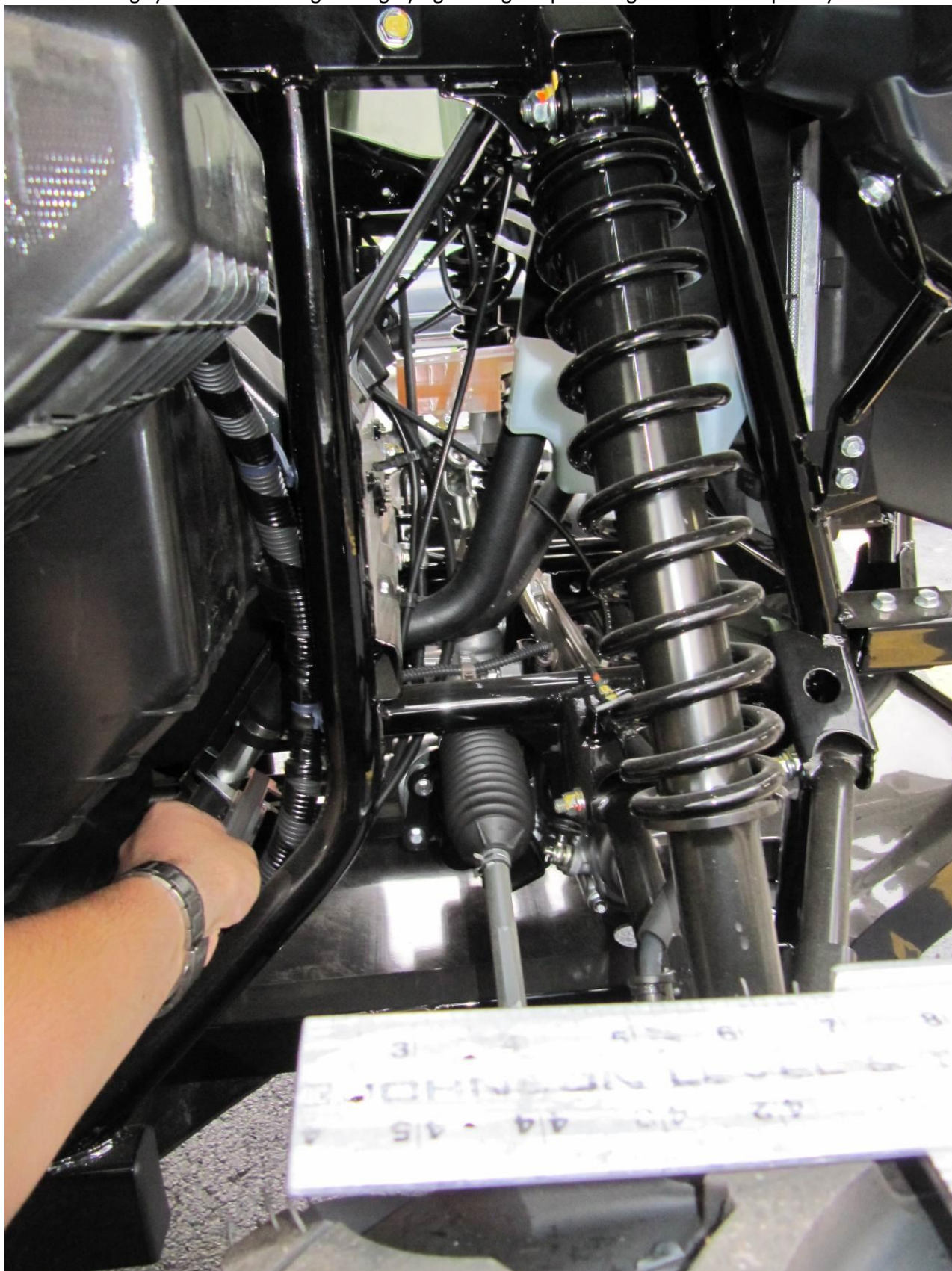
Connect the harness branch with the electromagnetic vent.



Insert the air vents with the heater air hoses into the holes. Connect the heater air hoses with the heater and tighten these by AL tapes.

SEE NEXT PAGE

Run the heater hoses from the heater to the front cooler space. Install the "Y" coupling into the engine cooling system hose and tightening by tightening straps and tighten these straps very hard.



Install the seat and take out the pvc cover.



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Run the heater hose with the el. valve to the engine space under the seat. Install the "Y" coupling into the cooling system hose and fix by tightening strap. Tighten these straps very hard.



Cut the heater hose without el. valve near heater and insert the tightening straps. Install the air vent valve into the hose and fix these by straps. Tighten straps very hard.



Connect the wiper, washer and heater harness with the UTV electrification.

SEE NEXT PAGE

It is absolutely necessary to bleed the air out of the UTV's engine cooling system. Incomplete bleeding of cooling system can result in engine damage. If you don't have sufficient experience with this process, we strongly recommend professional service technician assistance. We are not responsible for damages when cooling system bled incompletely. Please note that additional heater system will absorb more than 2 liters of coolant fluid.

- 1. Important: After the heater system is installed, check the system for leaks. Turn on the electric vent switch and confirm that the engine is cold. Start the engine, open the bleeding valve and wait until the engine warms up. Important: Always check engine temperature – if it overheats, turn off the engine.***
- 2. To achieve engine operating temperature, depress the accelerator to increase the engine RPM. This will increase the pressure and flow of the water pump, forcing more coolant through the heater. After operating temperature is reached, turn off the engine and open it. Trapped air should come out from the heater system throughout the bleeding valve. Repeat this procedure until the heater/cooling system is completely bled out.***

The DFK Cab heater, like the heater in a car, generates heat from the vehicle's engine.

In nearly all cases, the heater should generate enough heat from your UTV, side-by-side, or tractor engine that you may need to turn the heater off periodically, otherwise the air in the cabin may be too hot.

It is important to check the coolant level regularly at least 4-5 times during the first several days of operation and fill as necessary until the coolant level has stabilized. The heater will draw and retain coolant, sometimes at the expense of coolant to the engine. This can cause engine overheating if not managed properly.

FRONT PANEL

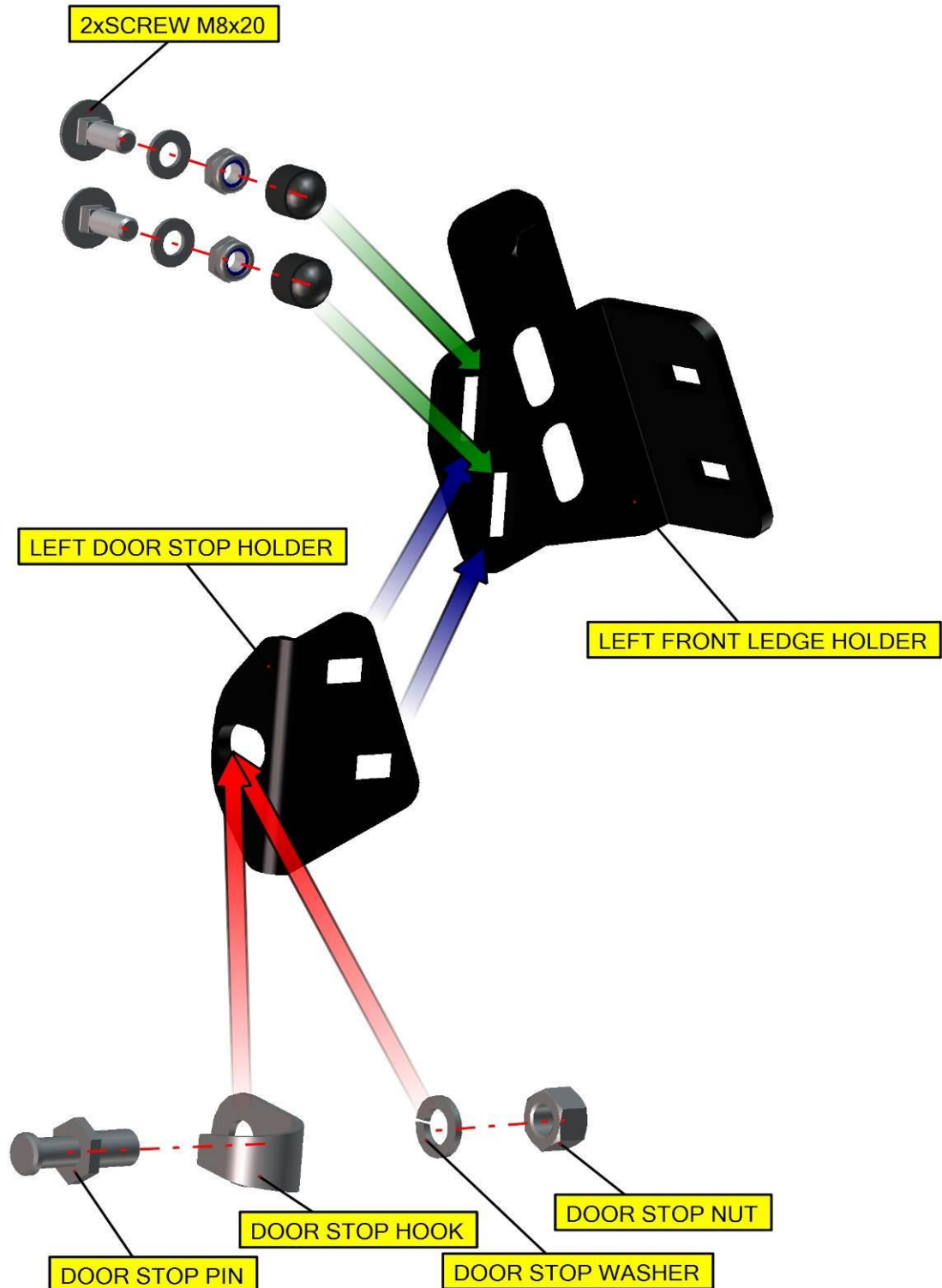
Install the door stop assembly (pin, hook, washer and nut) into the correct door stop holder (left or right).

Place the door stop holder with the door stop assembly onto the correct front holder (left or right).

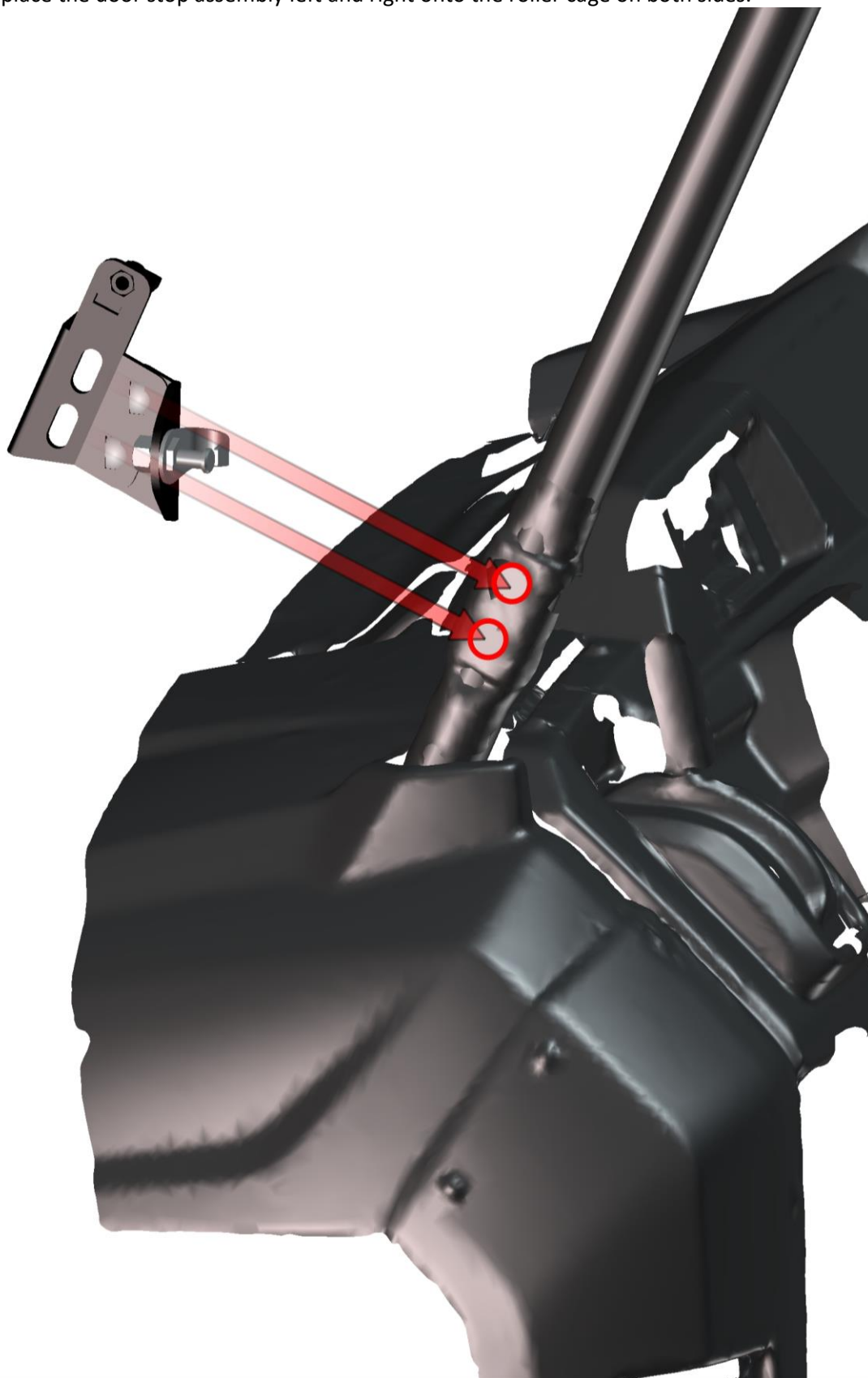
Fix the door stop holder with the front holder by screws, washers, nuts and covers.

Use the LEFT door stop holder and LEFT front ledge holder(on picture) on LEFT side of the roller cage.

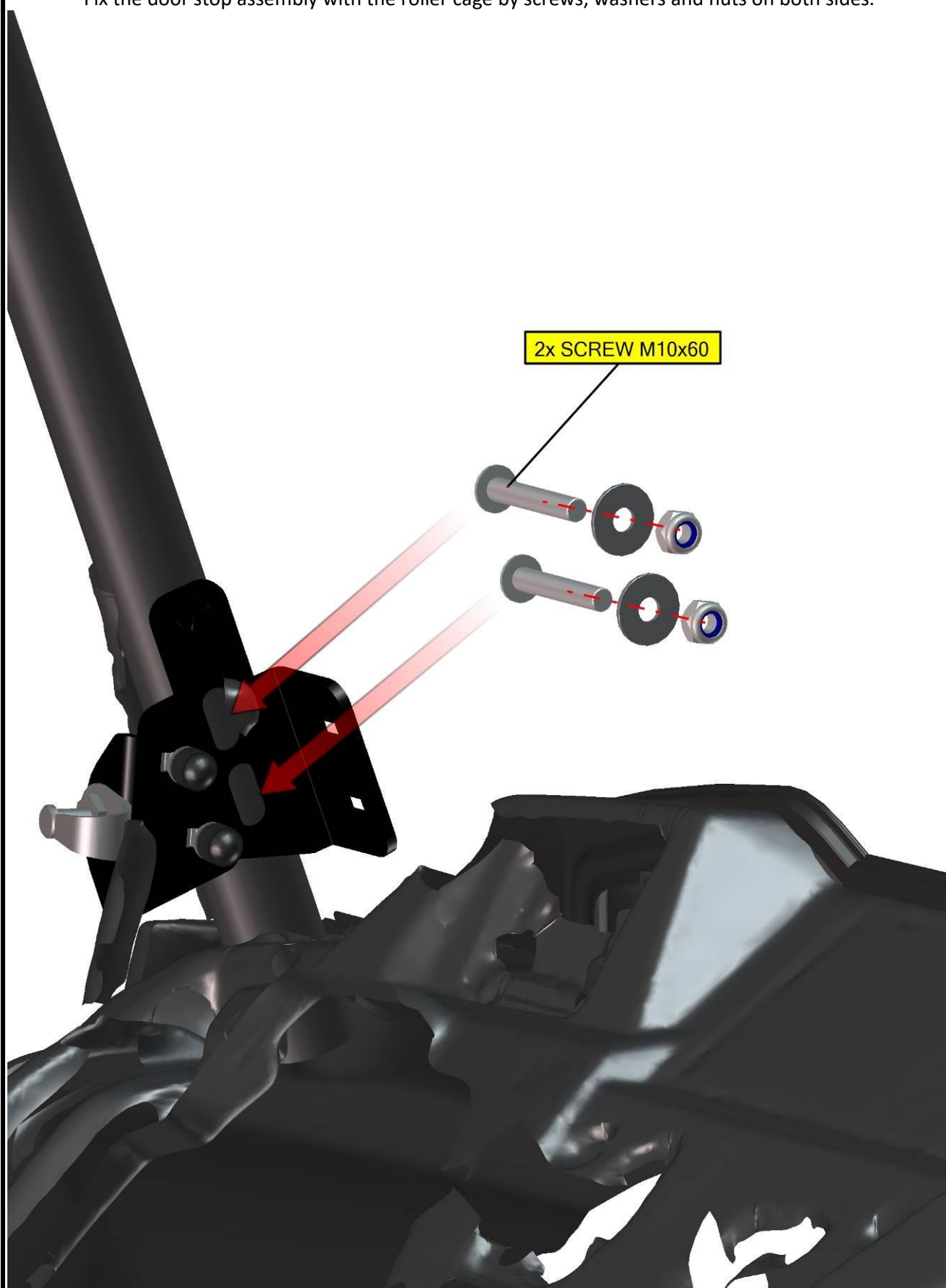
YOU CAN'T MAKE MISTAKE BETWEEN LEFT AND RIGHT PARTS, IF YOU MAKE MISTAKE, YOU ARE GOING TO HAVE BIG PROBLEM WITH DOOR STOP ADJUSTING!



Uninstall original screws, nuts and holders (red circle) from both sides and place the door stop assembly left and right onto the roller cage on both sides.

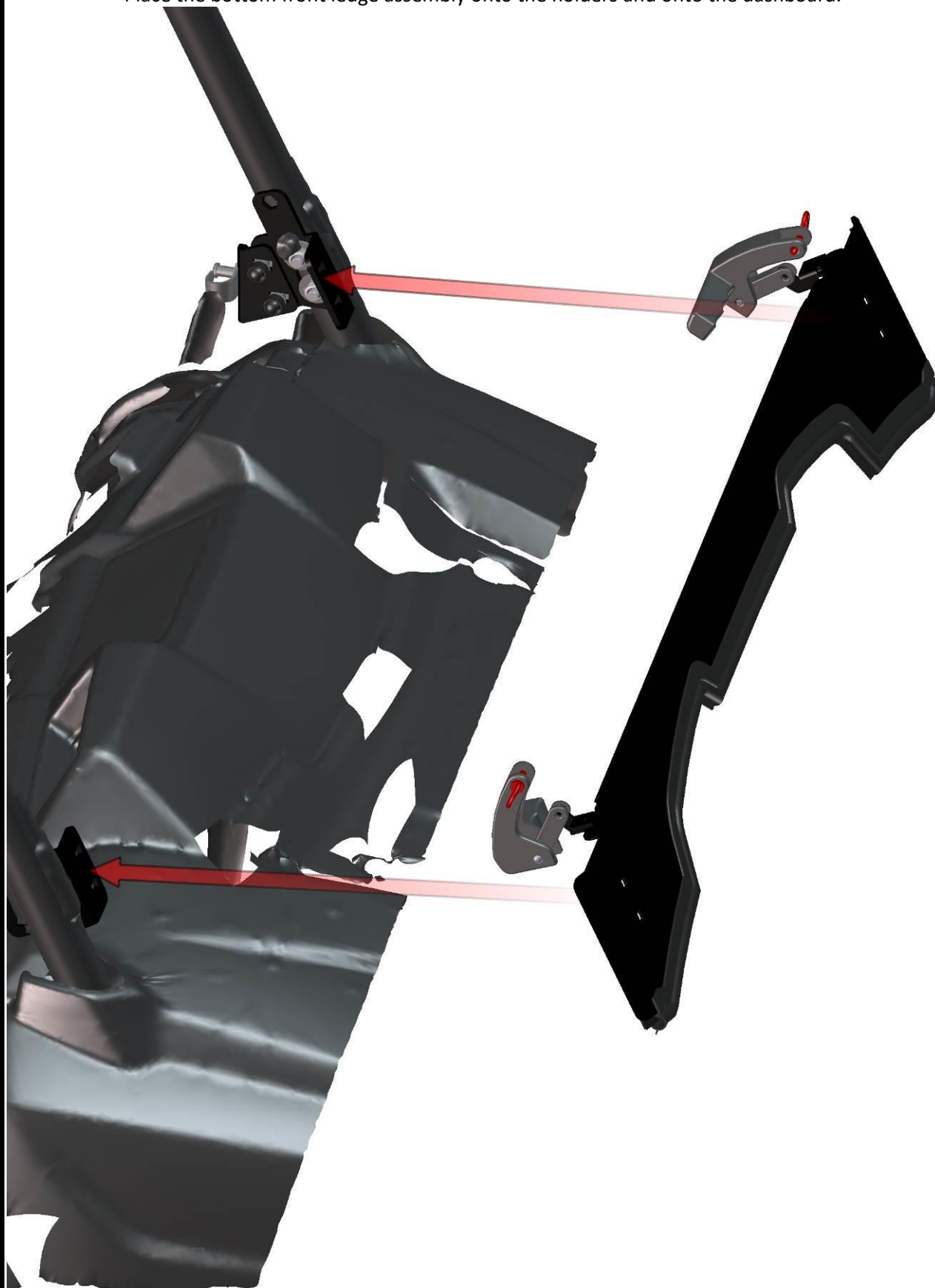


Fix the door stop assembly with the roller cage by screws, washers and nuts on both sides.



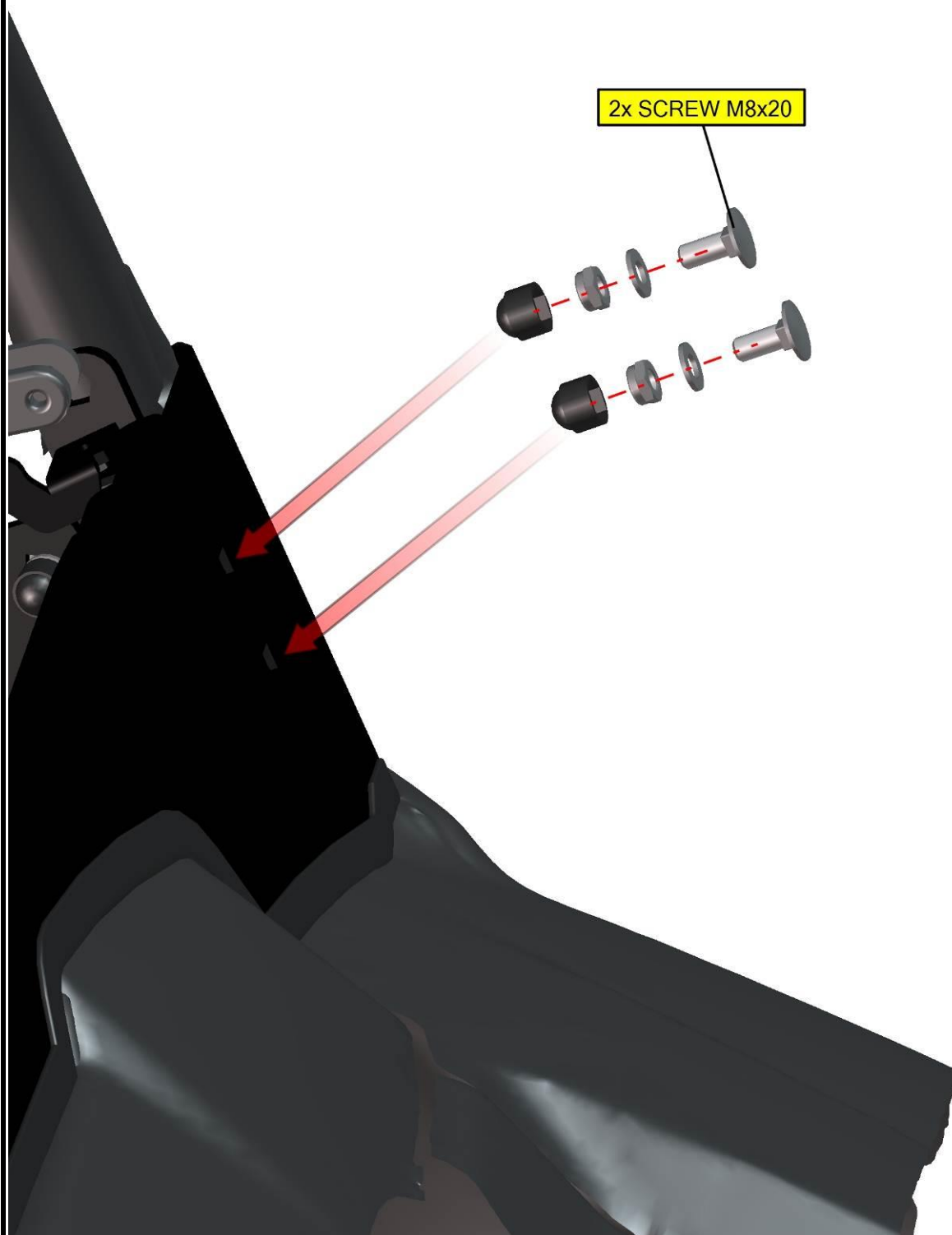
30

Place the bottom front ledge assembly onto the holders and onto the dashboard.

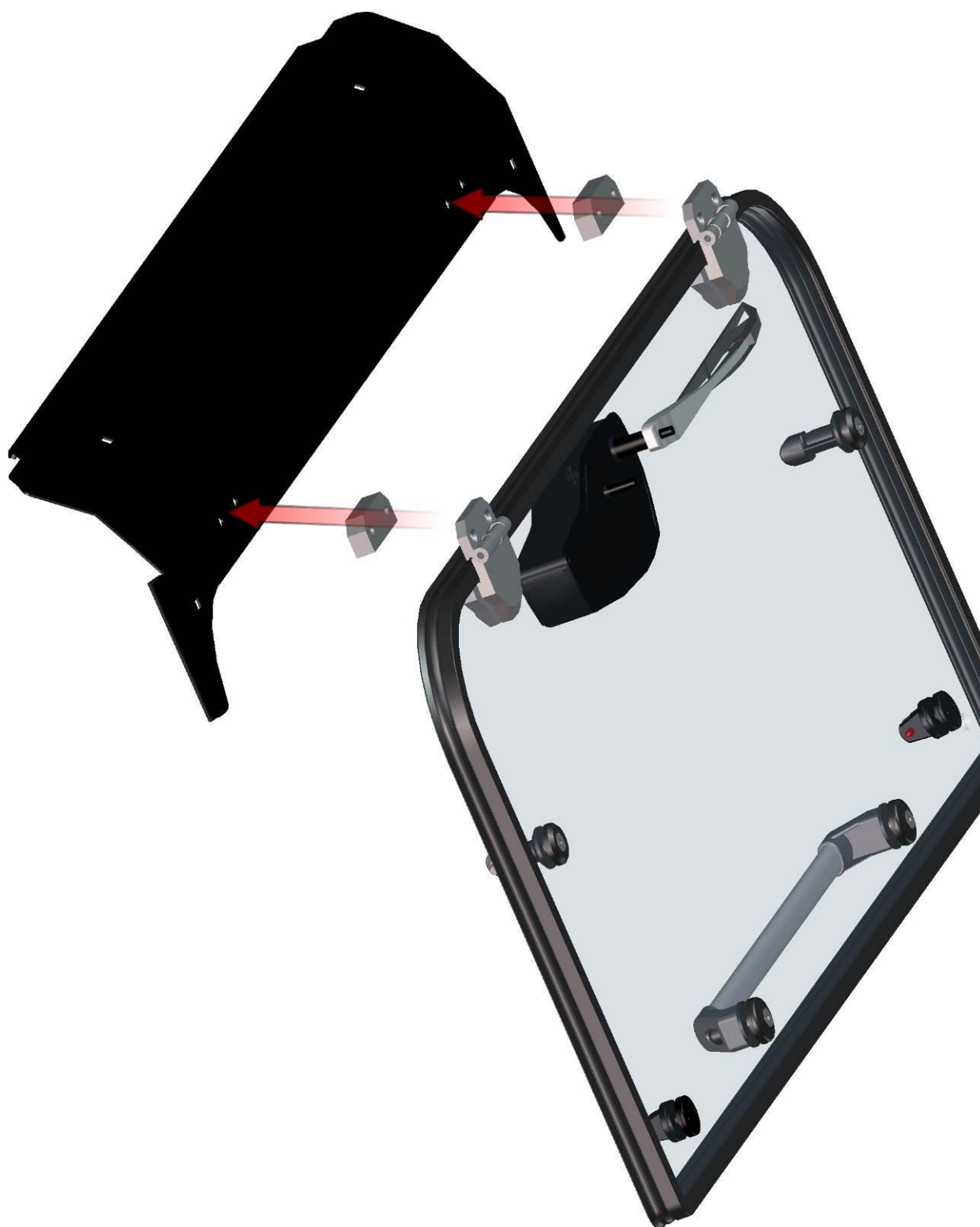


31

Fix the ledge with the holders by screws, washers, nuts and covers on both sides.

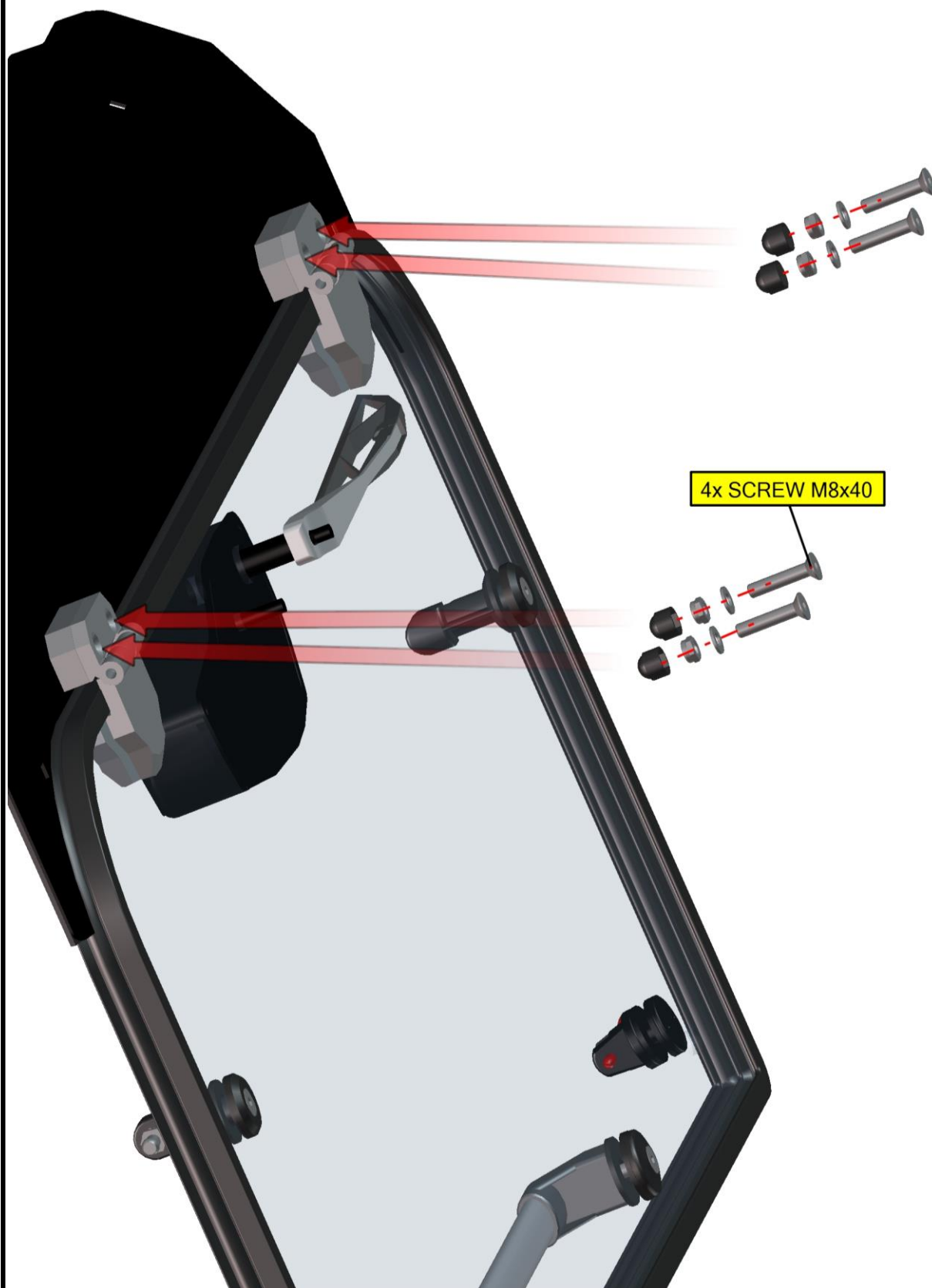


Place the front window assembly with the hinge bases onto the front upper ledge.



33

Fix the hinges with the bases and with the ledge by screws, washers, nuts and covers.

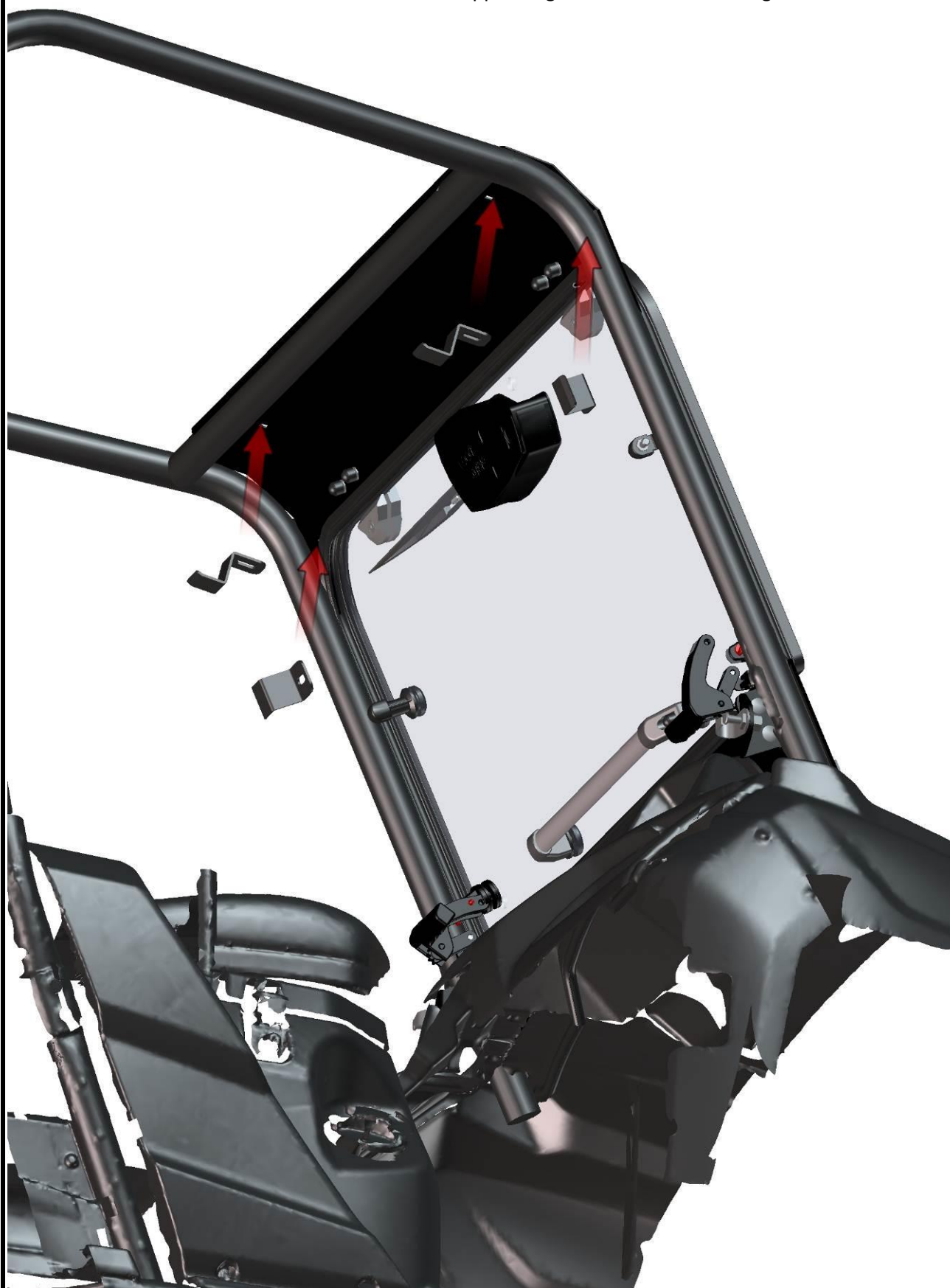


Place the front window assembly with the upper ledge onto the roller cage.



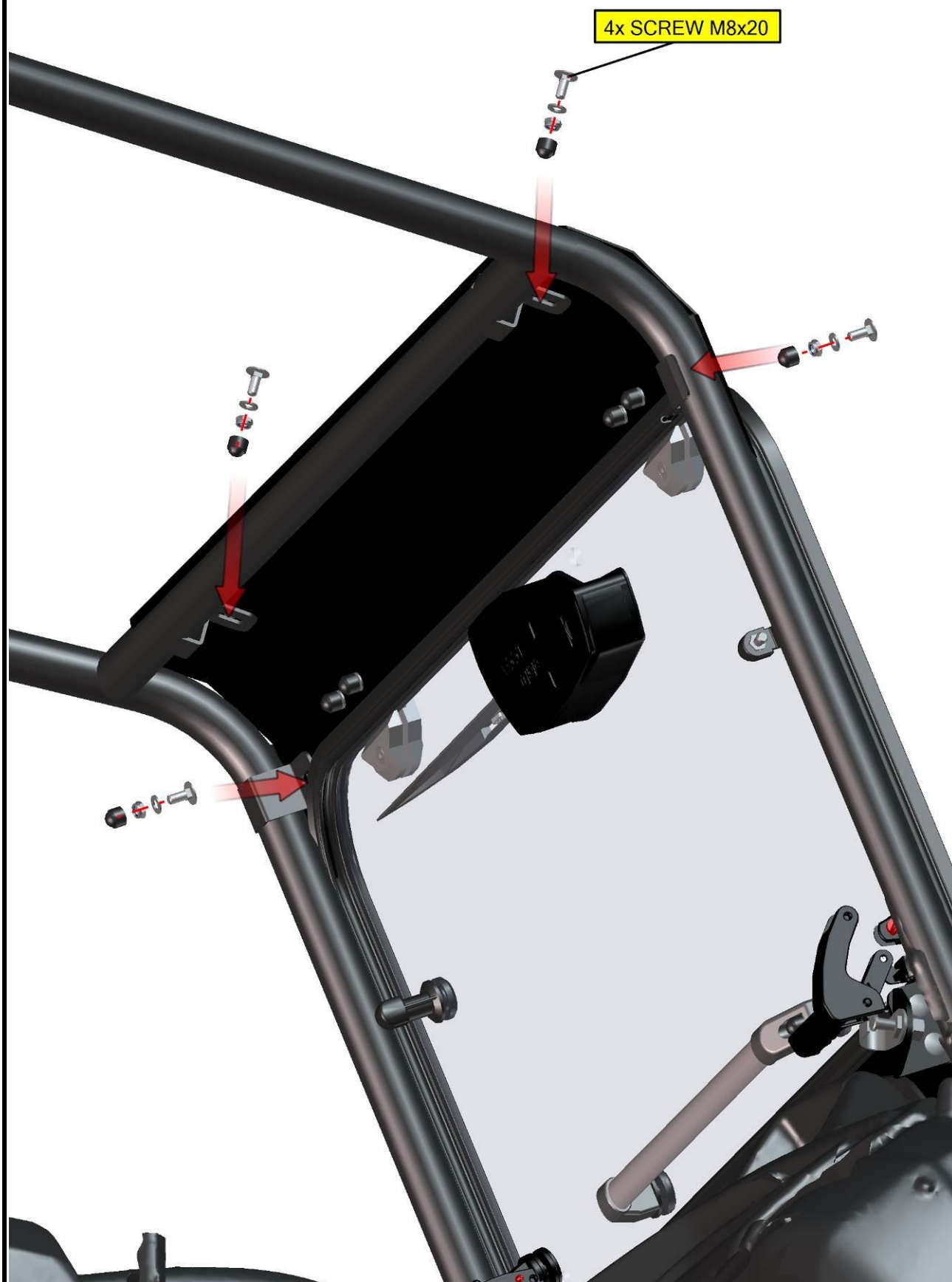
35

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

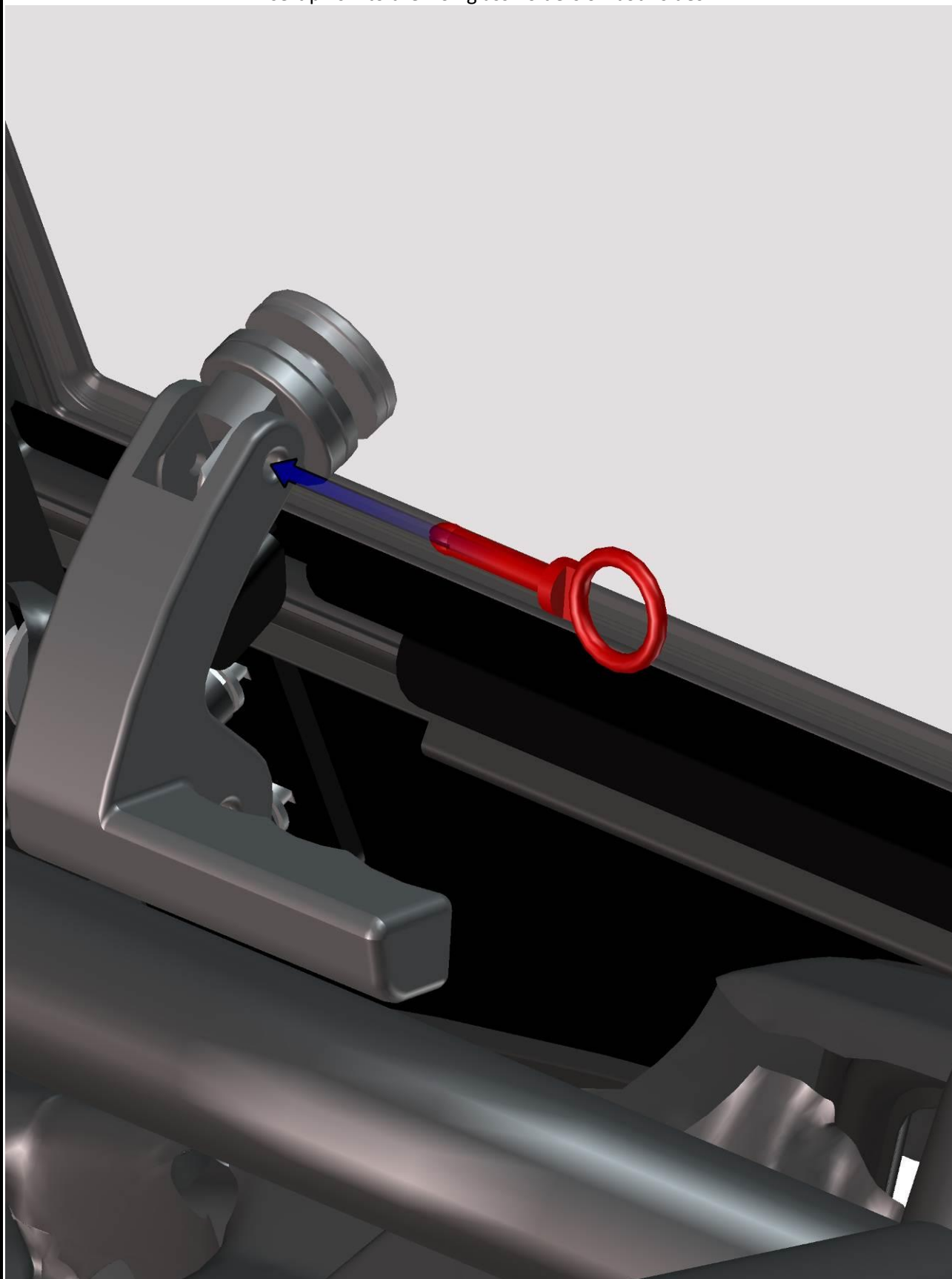


36

Fix the holders with the ledge to the rollercage by screws, washers, nuts and covers.



Insert pins into the front glass holders on both sides.



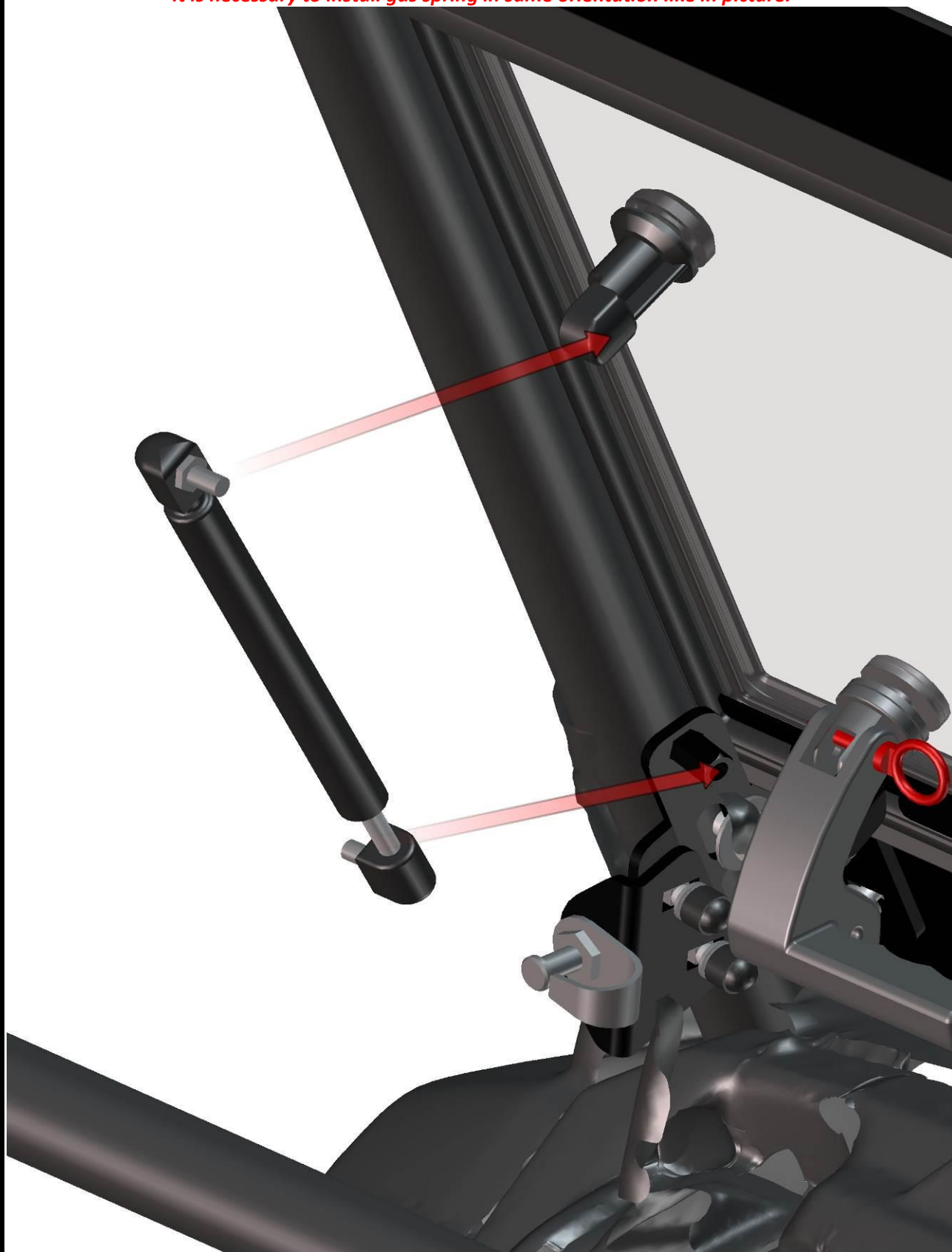
38

Loos the glass lock holder's nuts and adjust holders to best position on both sides.
If you face any gapes between the sealing and bottom ledge you can repair it by adjusting these holders.



Install the gas springs into the holders on both sides.

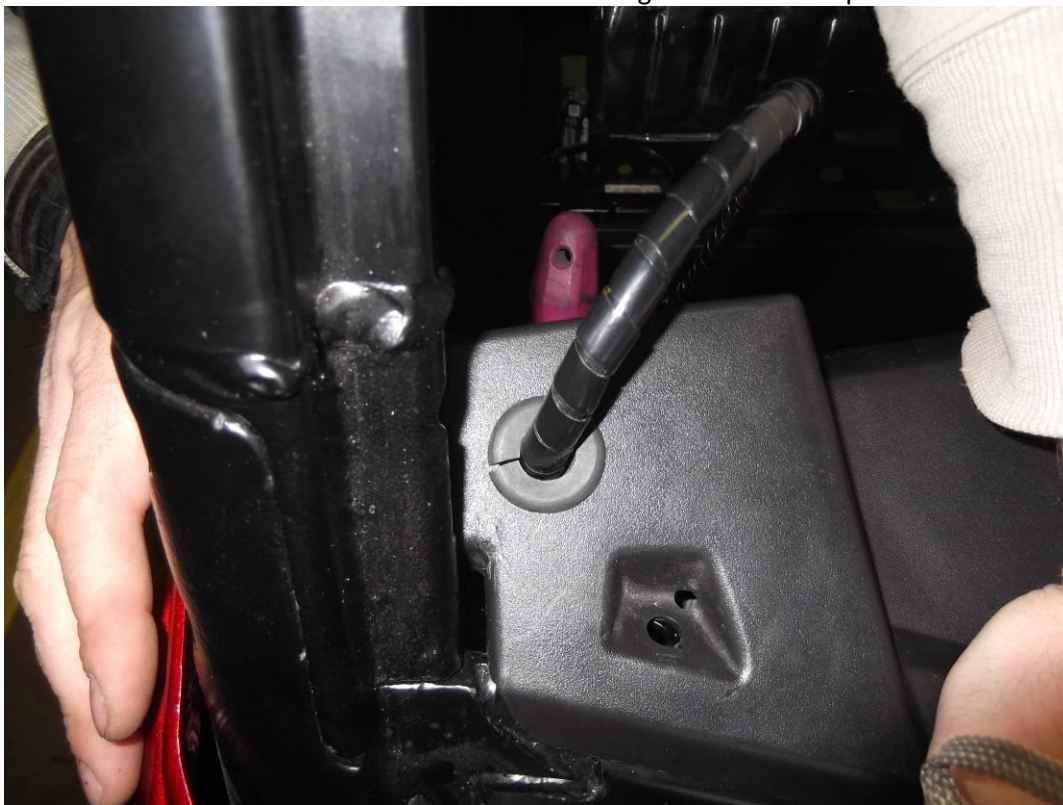
It is necessary to install gas spring in same orientation like in picture.



40

ELECTROINSTALLATION-WIPER+WASHER step 2.

Lead the harness branch around the roller cage to the front wiper motor.



Connect the harness branch with the wiper motor connector.



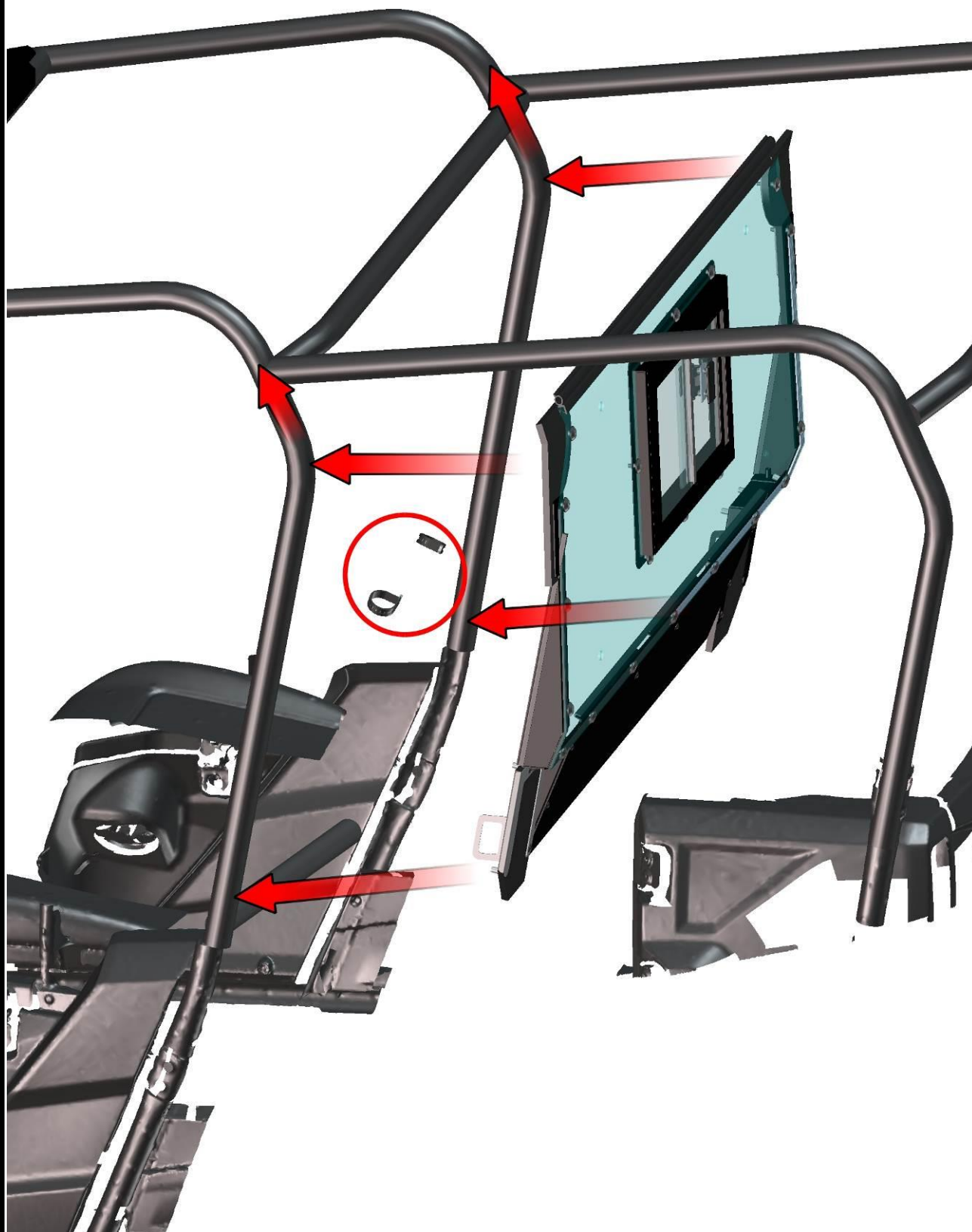
Connect the washer hose from the harness with the washer hose from wiper arm by included tube.



Fill washer liquide into the washer tank befor first usage.

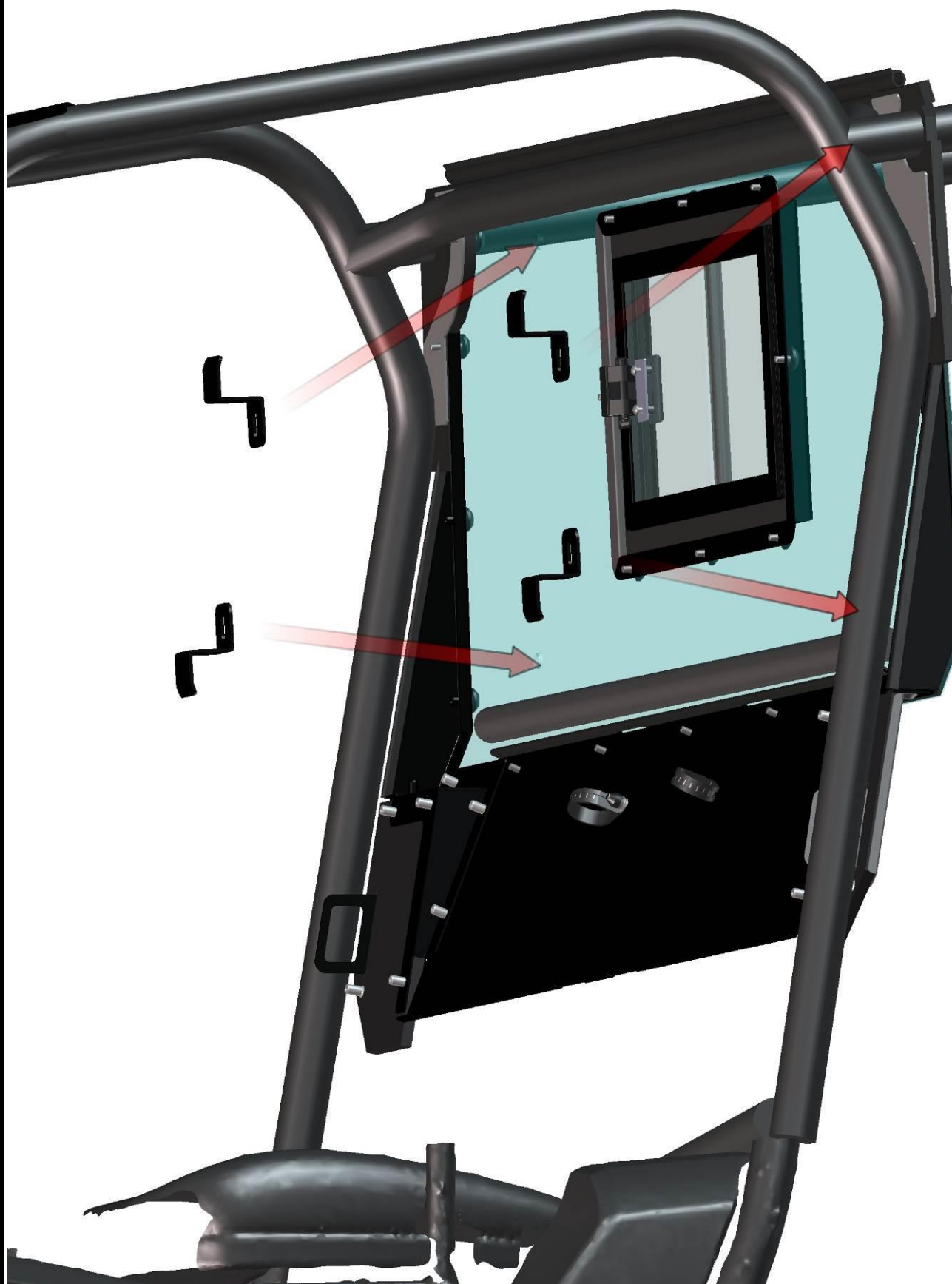
REAR MIDDLE PANEL

Place the tightening straps onto the middle rear roller cage and place the rear middle assembly onto the roller cage.



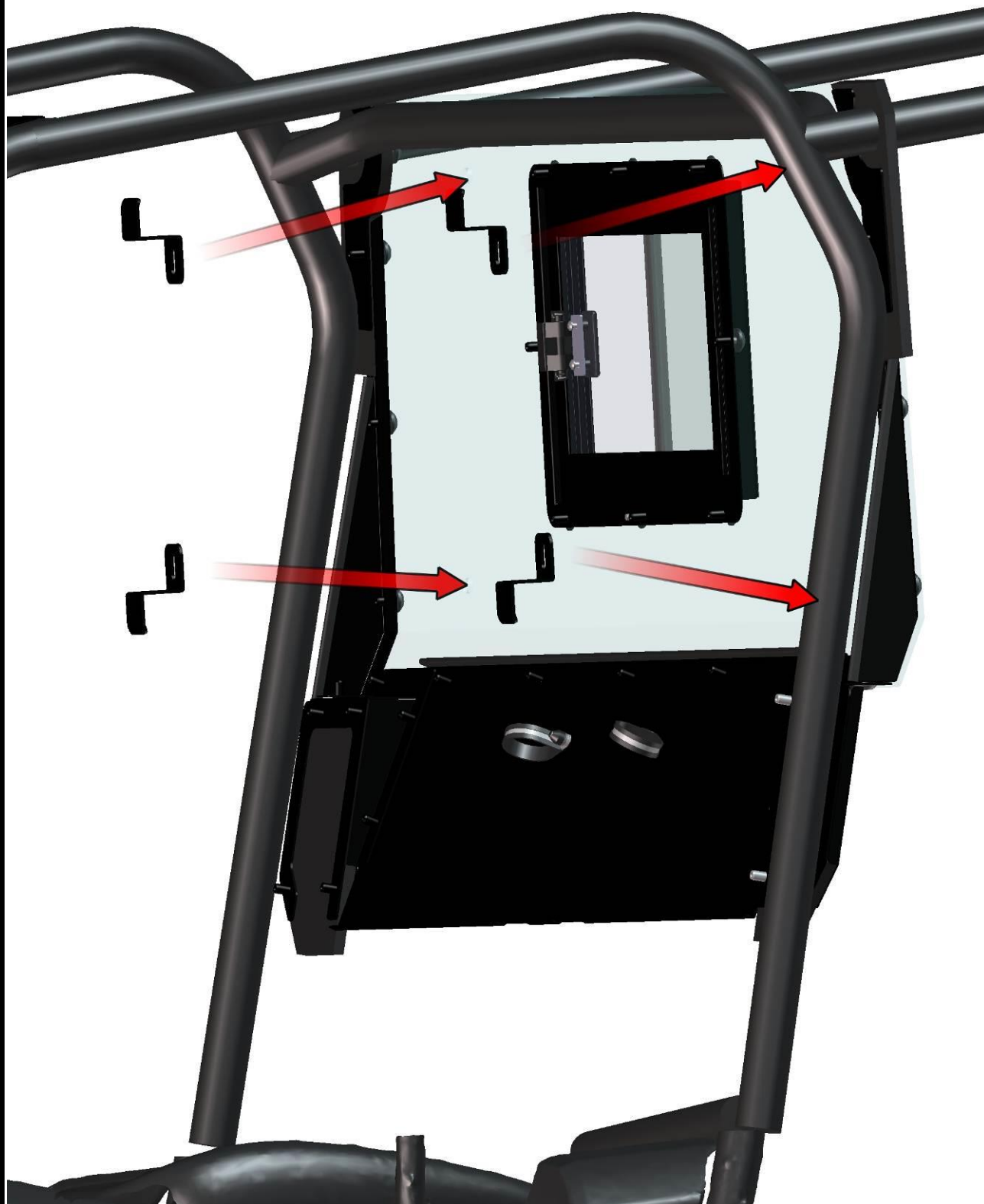
43

Fix the tightening straps with the middle rear ledge to the roller cage by screws, washers, nuts and covers.



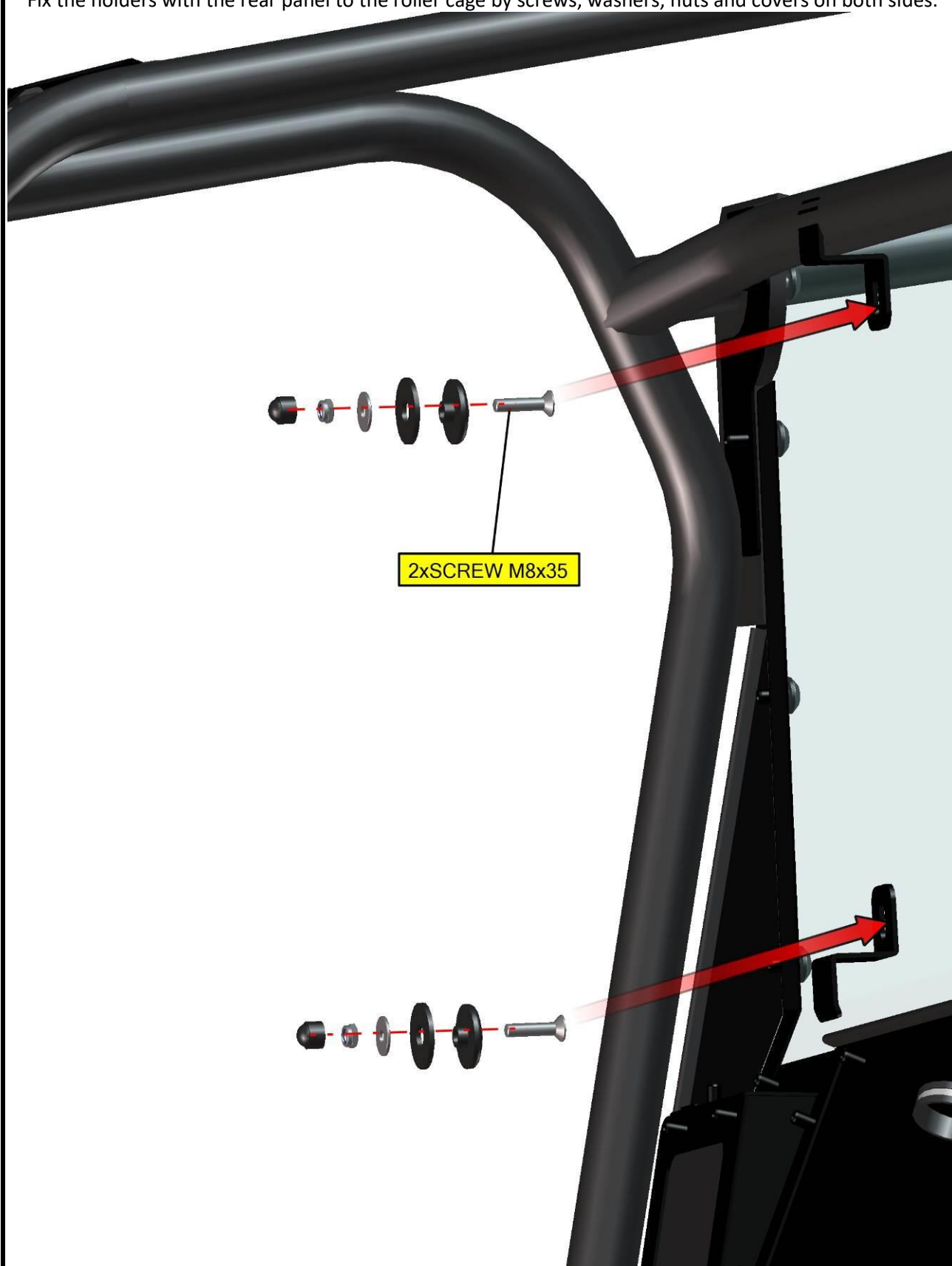
44

Place the holders onto the rear panel and onto the roller cage.



45

Fix the holders with the rear panel to the roller cage by screws, washers, nuts and covers on both sides.



Adjust the rear middle panel to best position and tighten screws and nuts correctly.

FRONT LEFT DOOR + RIGHT DOOR 1.

For safety purposes, if the DFK Cab doors are removed, it is mandatory that the OEM Half Doors or Nets are REINSTALLED before operating vehicle.

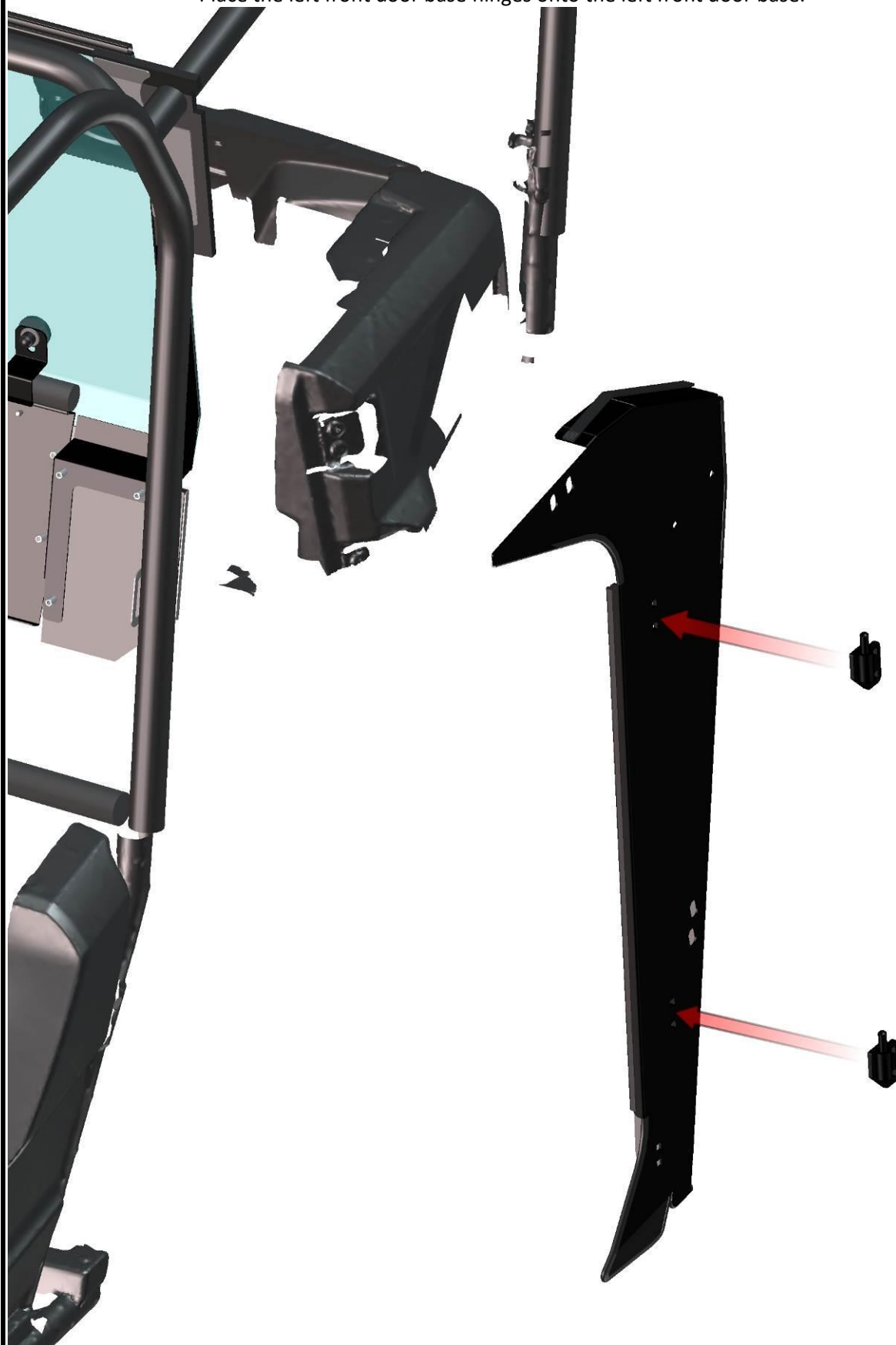
Uninstall original screws and holder (in red circle) from the roller cage.



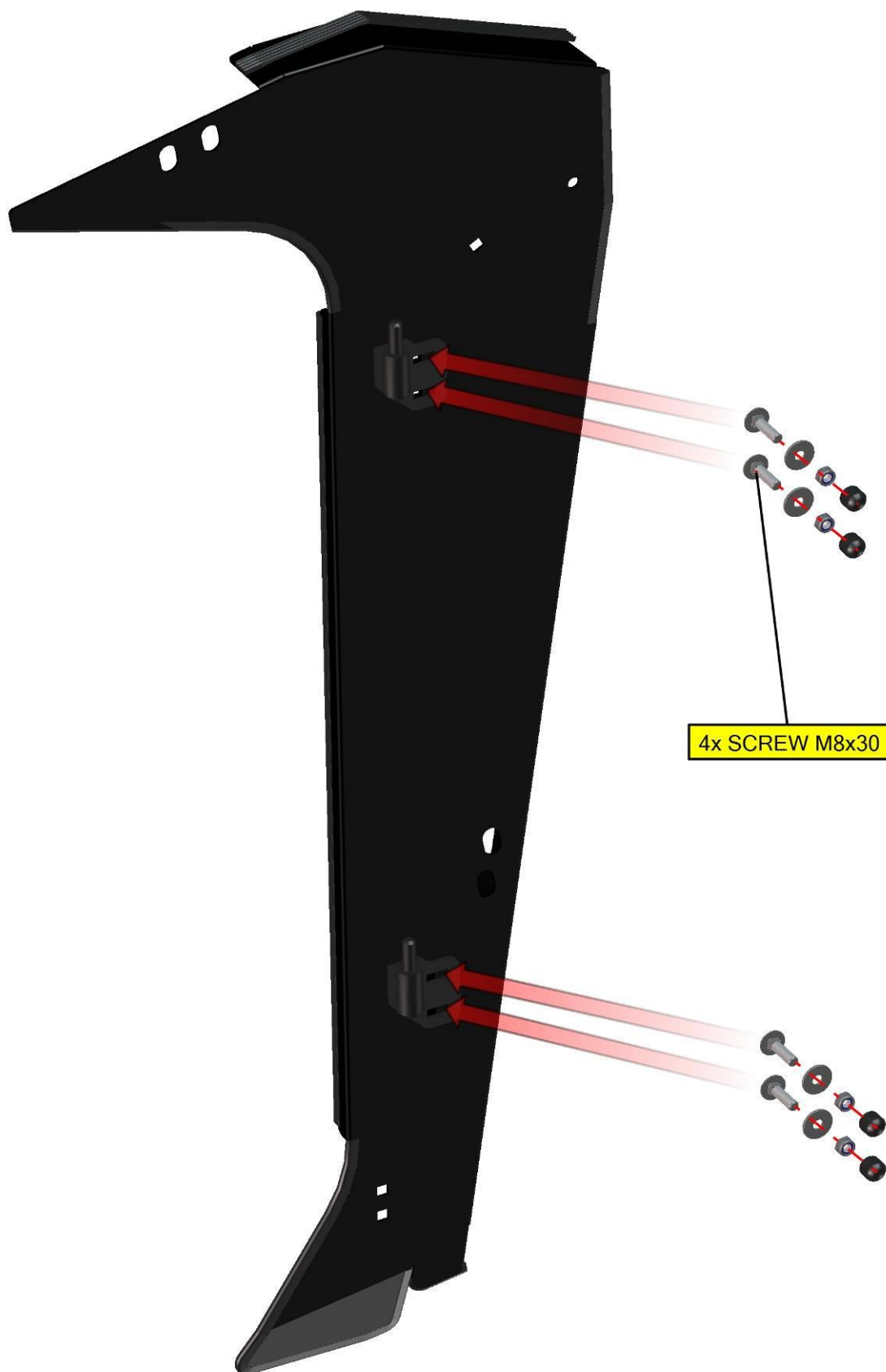
Uninstall original screws and nuts (in red circle) from the roller cage.



Place the left front door base hinges onto the left front door base.



Fix the door base hinges with the door base by screws, washers, nuts and covers.



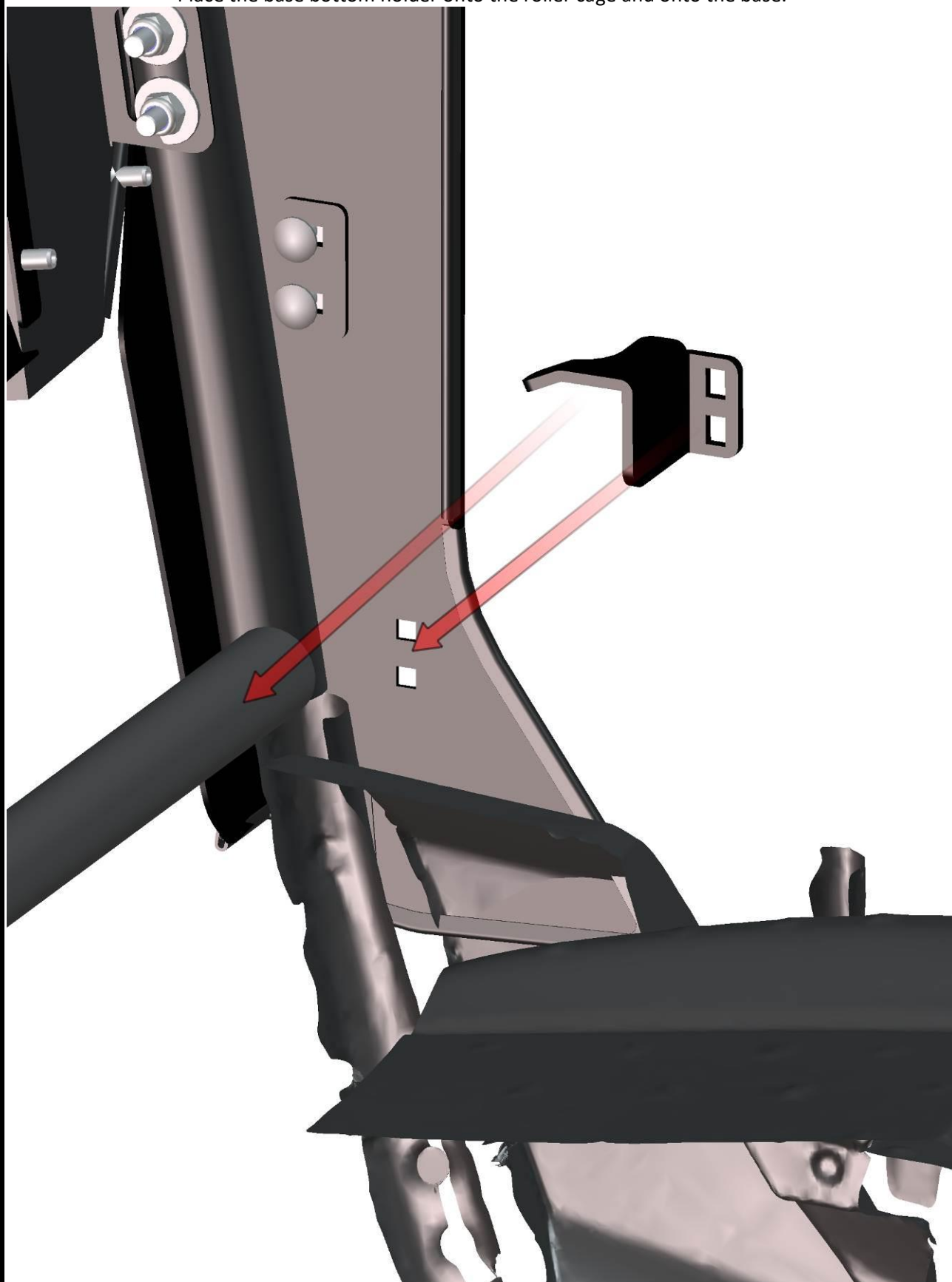
Place the front door base onto the roller cage and adjust to correct position.



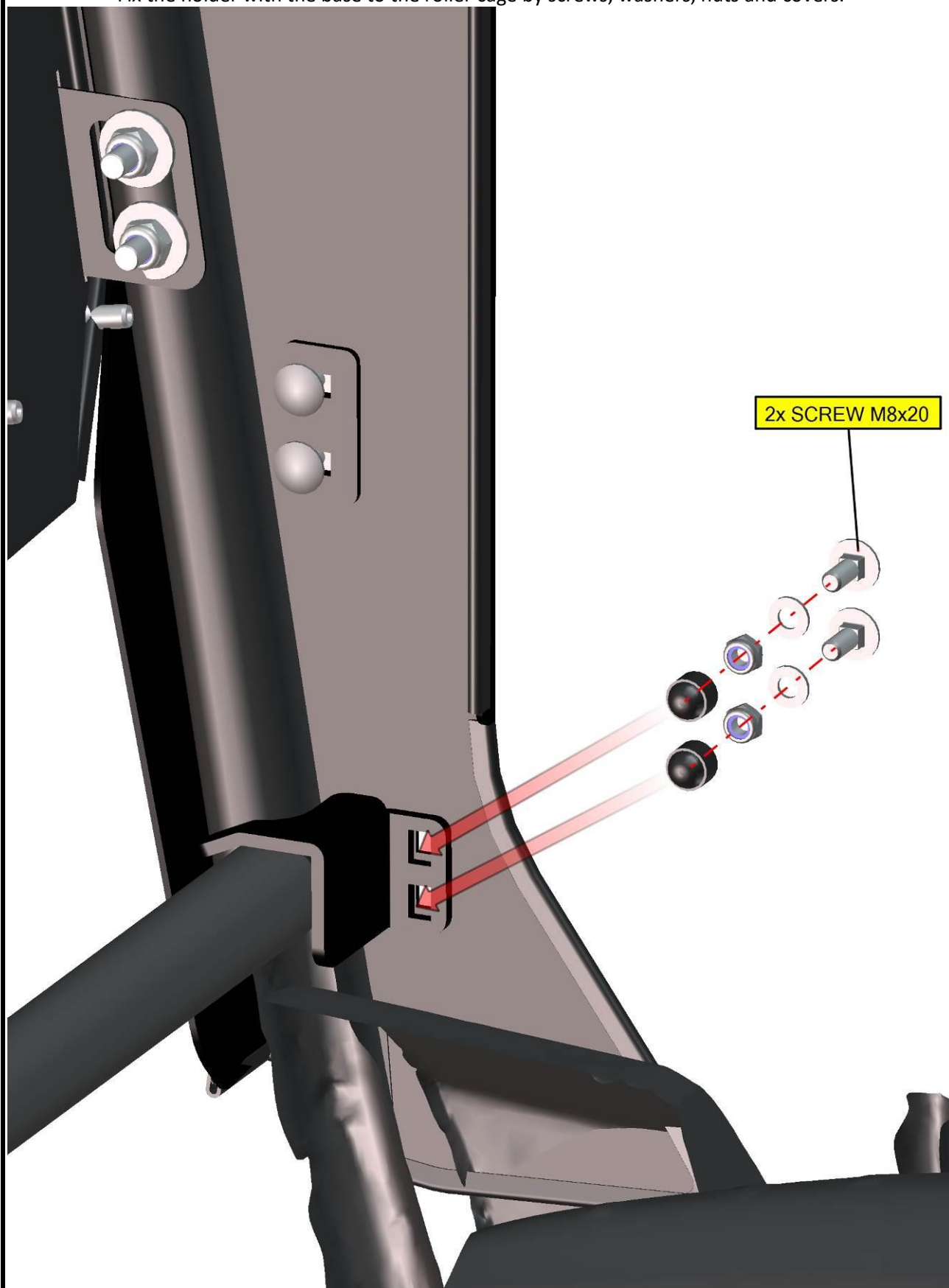
Fix the door base with the roller cage by screws, washers, nuts and covers (through original fixing points).



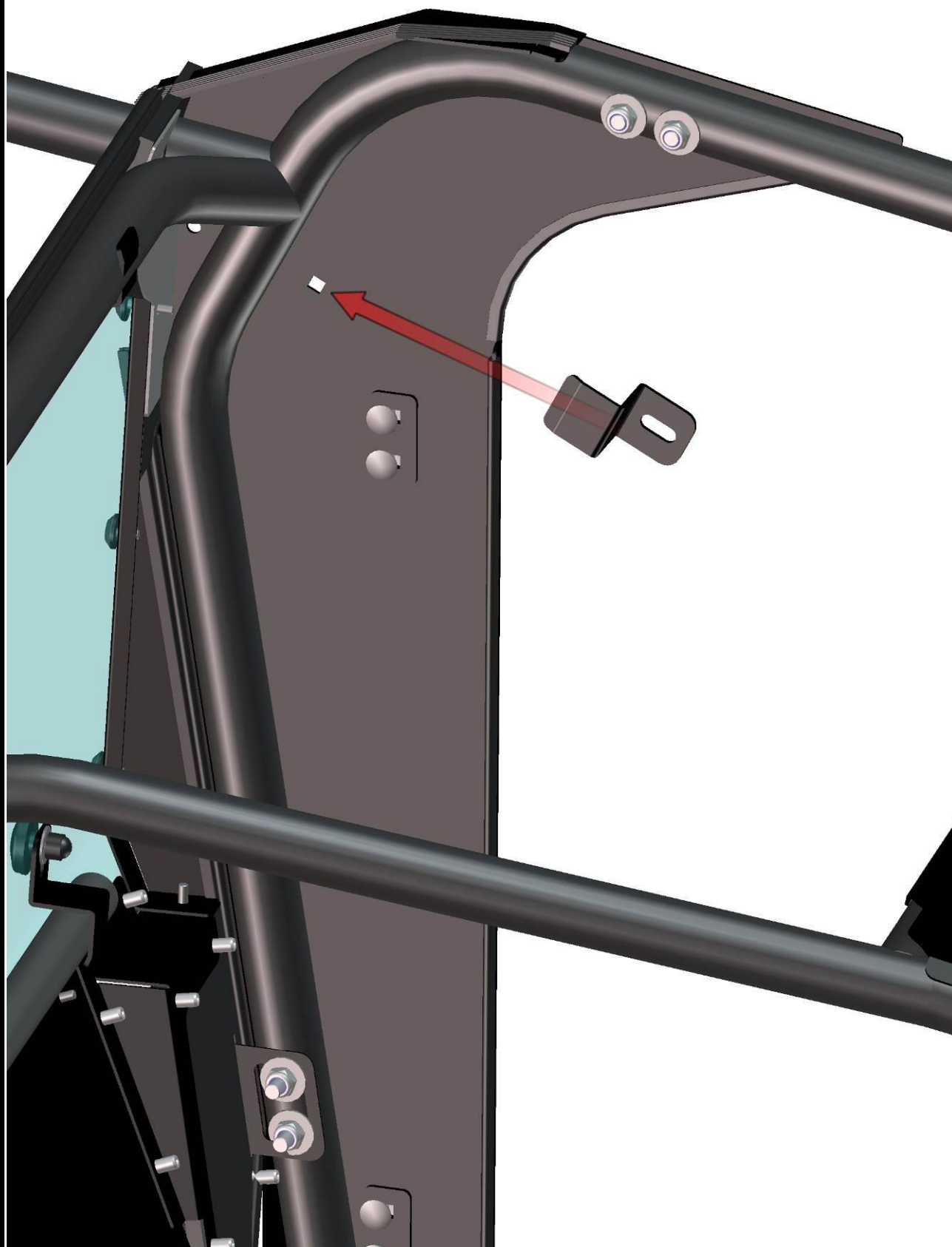
Place the base bottom holder onto the roller cage and onto the base.



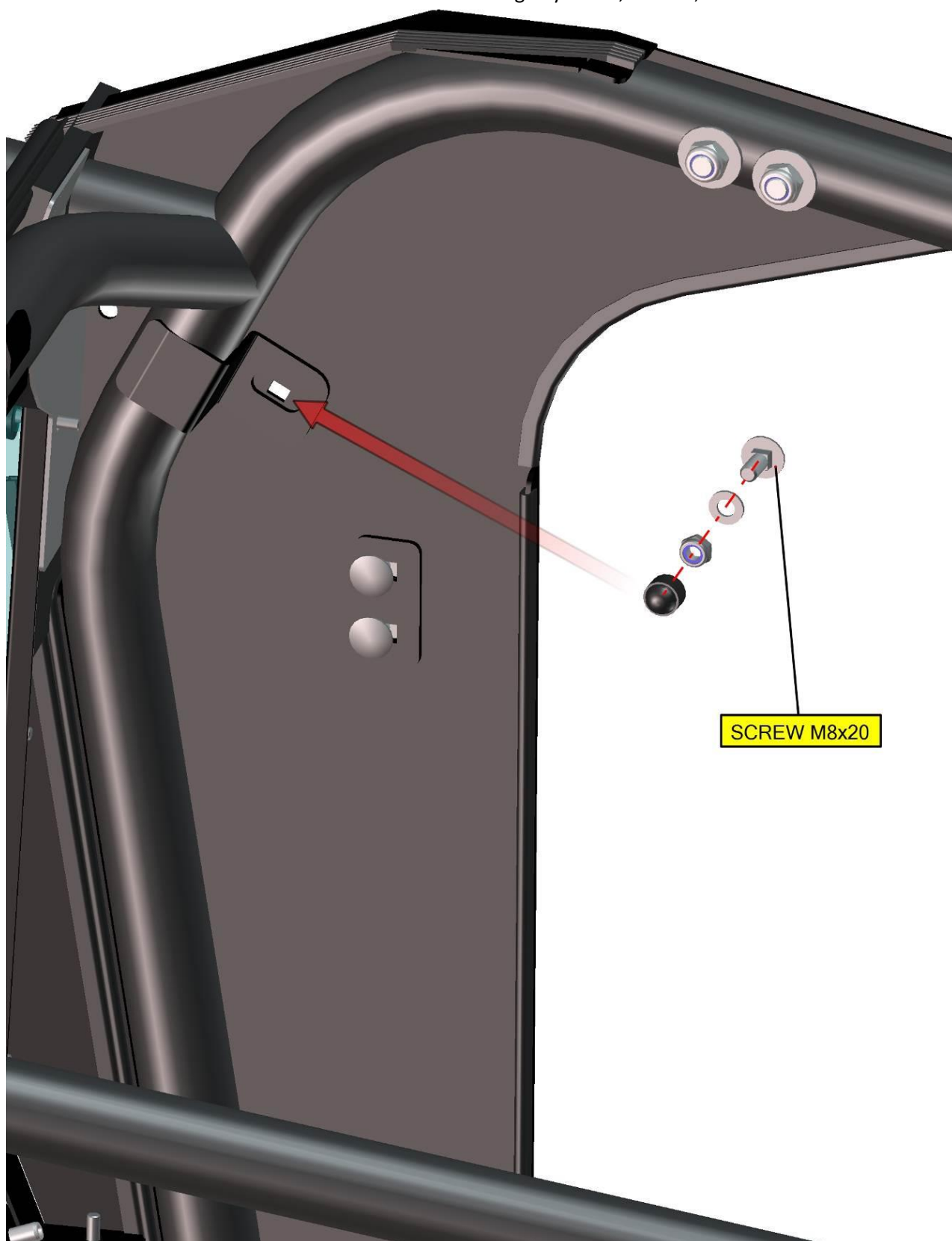
Fix the holder with the base to the roller cage by screws, washers, nuts and covers.



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



Fix the holder with the base to the roller cage by screw, washer, nut and cover.

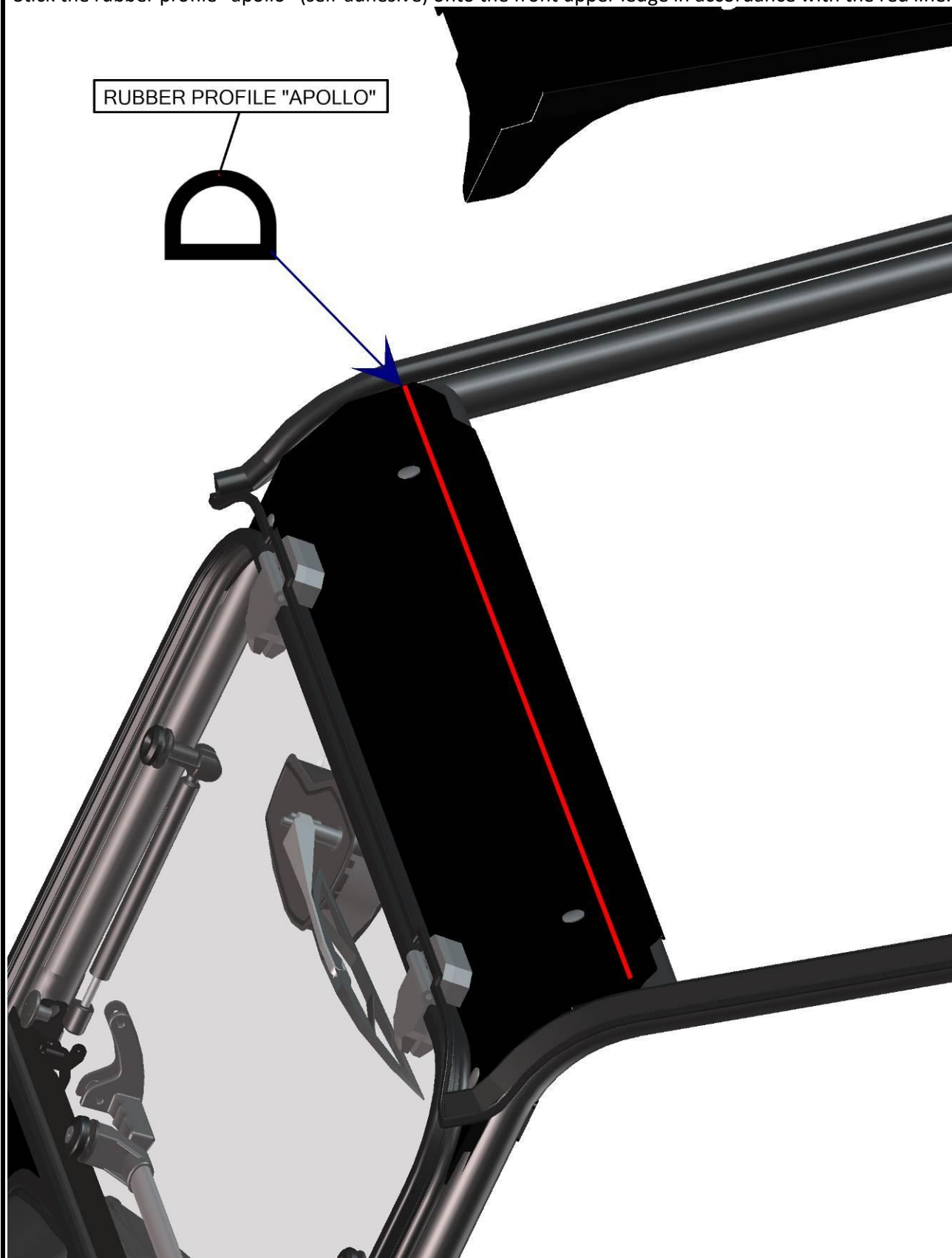


56

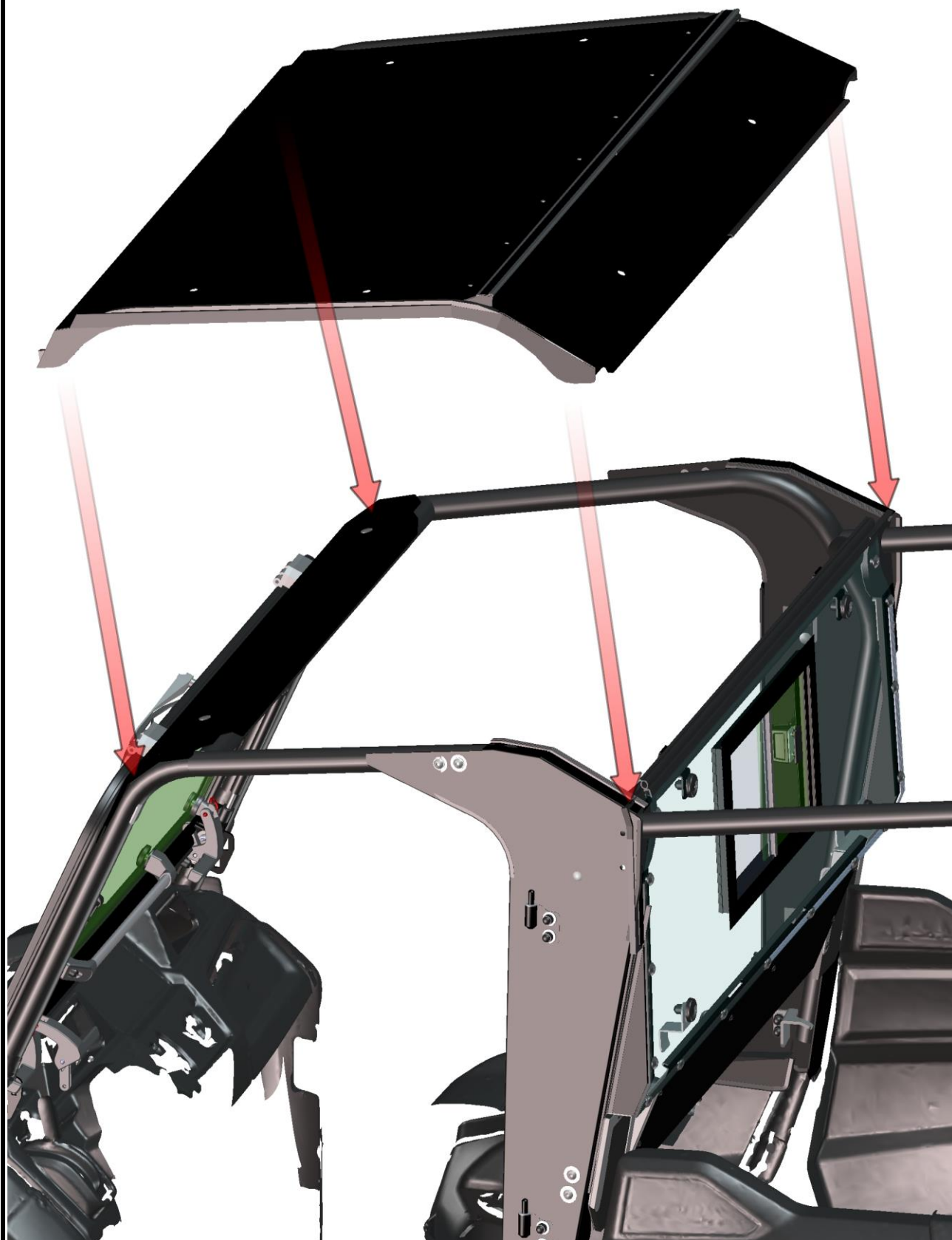
Tighten door base's screws and nuts hard.
Repeat previous steps with the right parts on right side of the UTV.

ROOF

Stick the rubber profile "apollo" (self-adhesive) onto the front upper ledge in accordance with the red line.



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



58

Adjust the front roof to best position.

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



Fix the roof with the holders to the roller cage by screws, washers, nuts and covers on both sides.



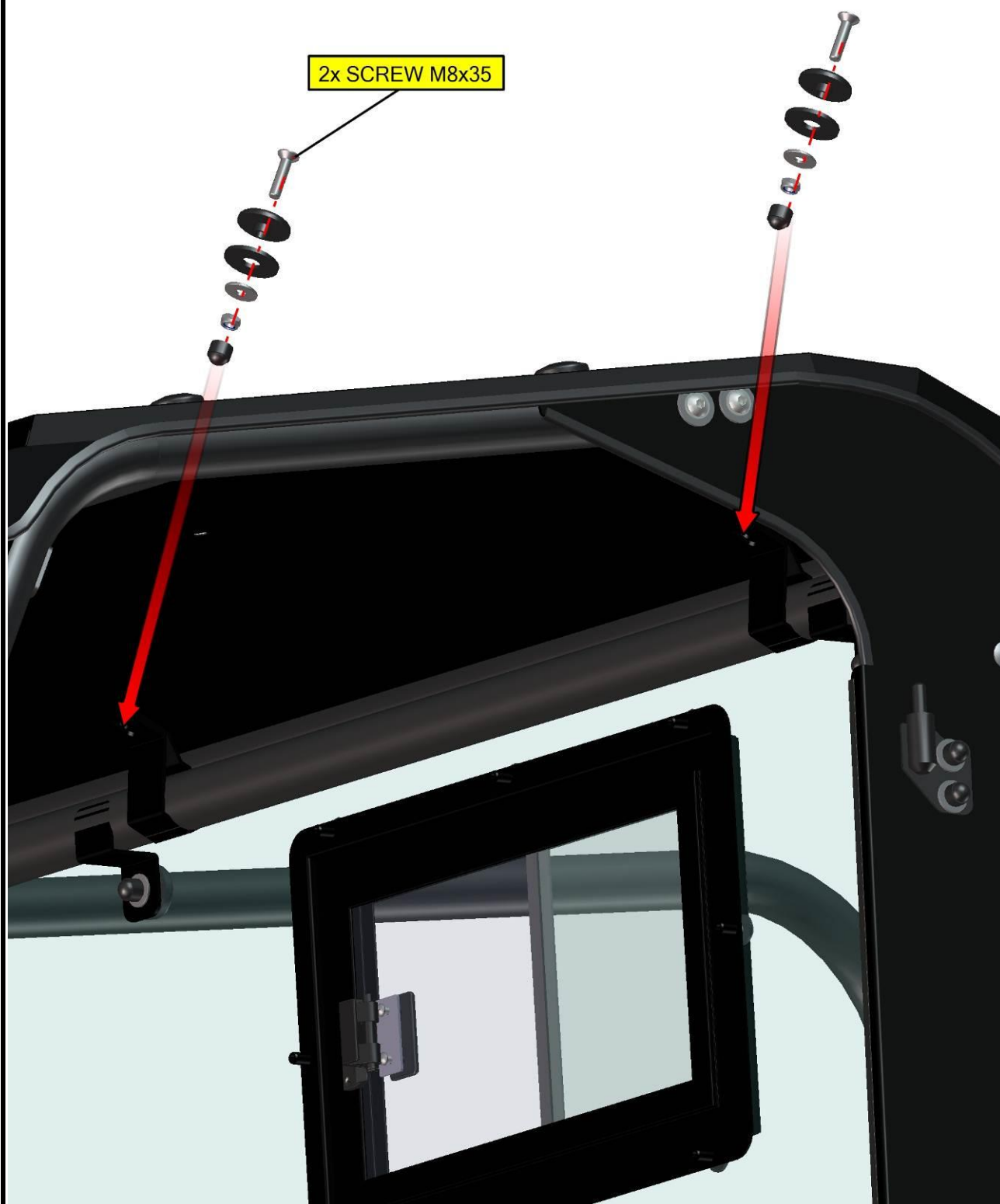
60

Place the roof rear holders onto the roof and onto the roller cage.



61

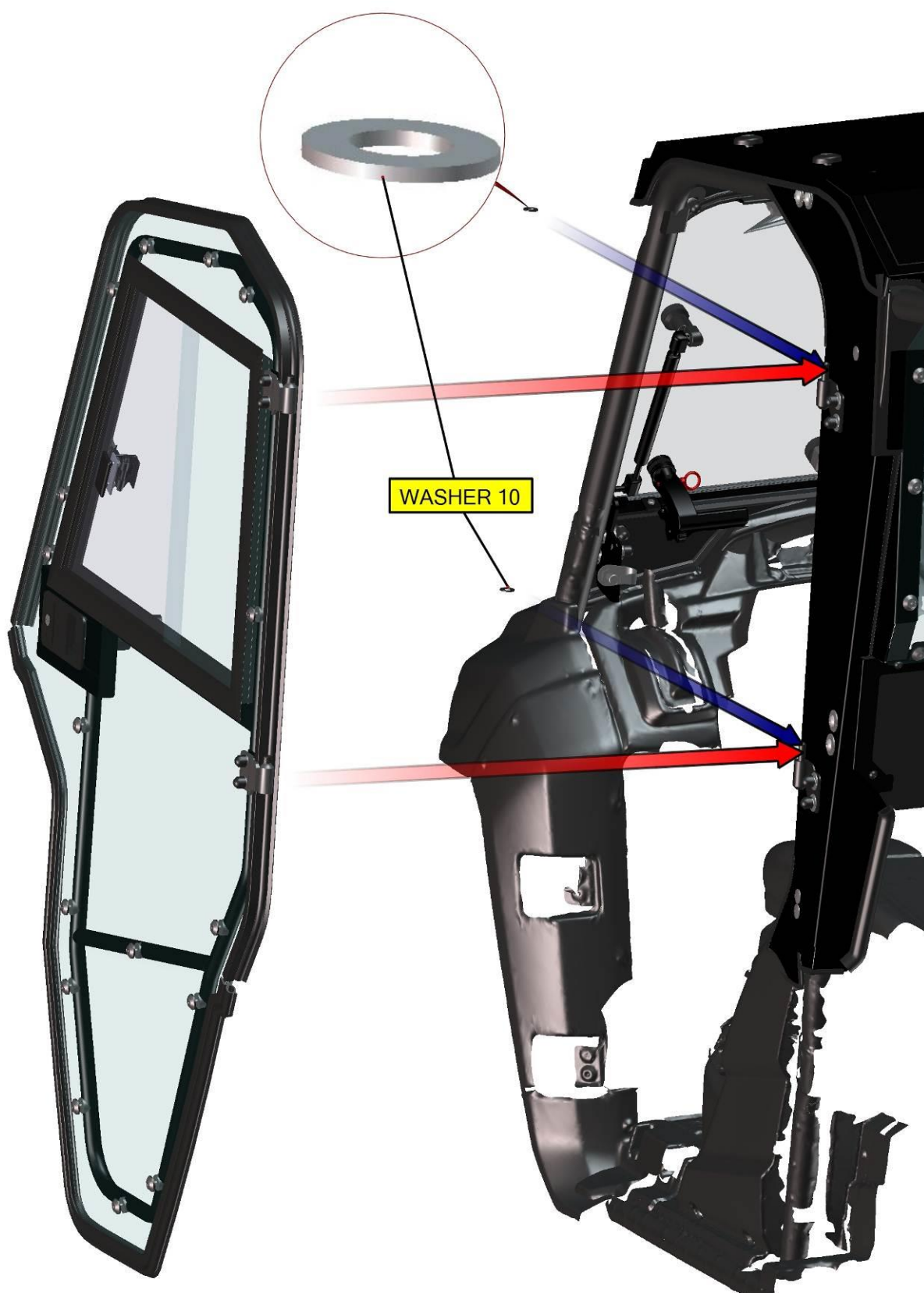
Fix the roof with the holders to the roller cage by screws, washers, nuts and covers.



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FRONT LEFT DOOR + RIGHT DOOR2.

Lubricate the hinge's pins and insert washers onto the hinges pins.
Insert the door onto the hinges pins.



Adjust the door by the hinges to best position and tighten hinges nuts hard.

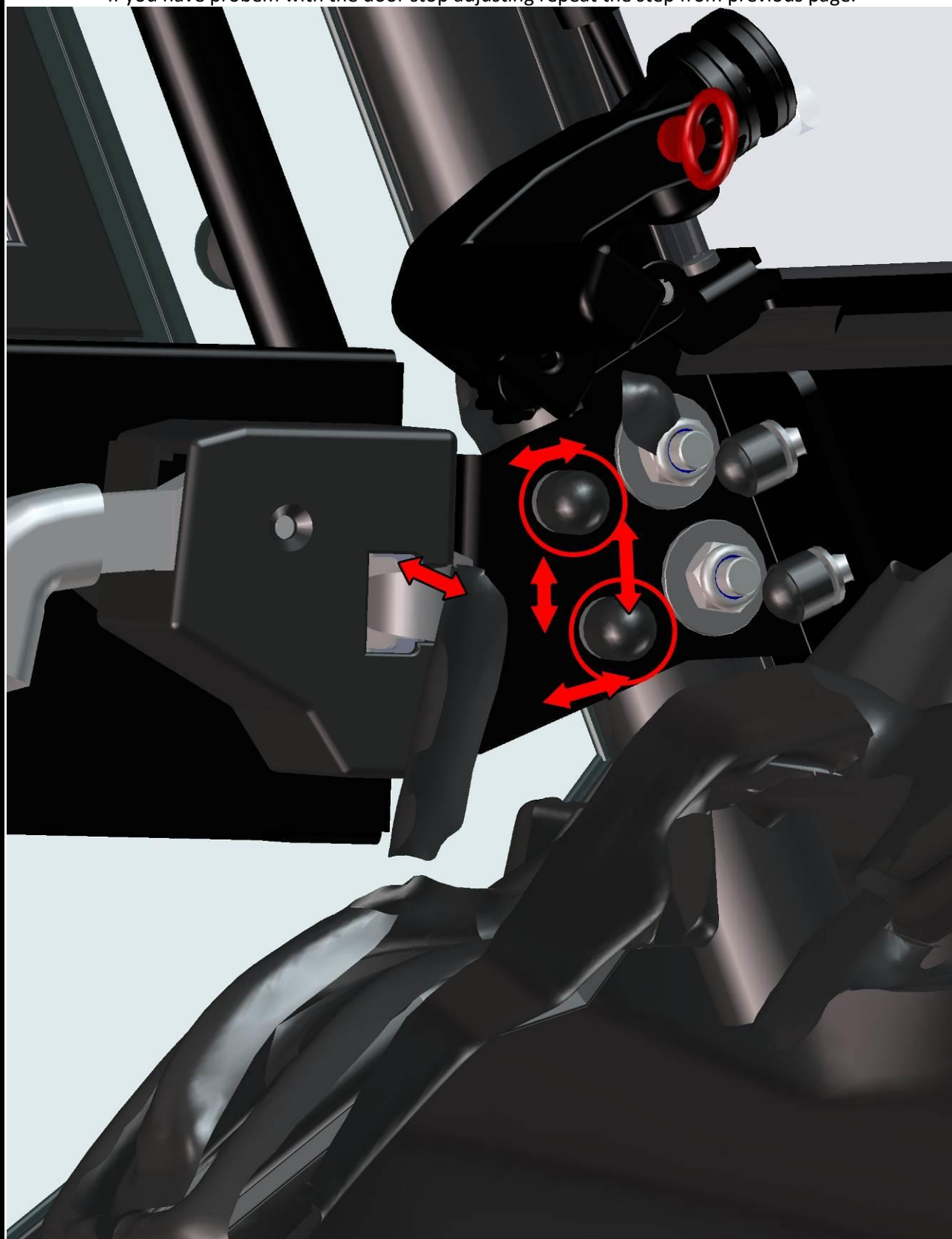


64

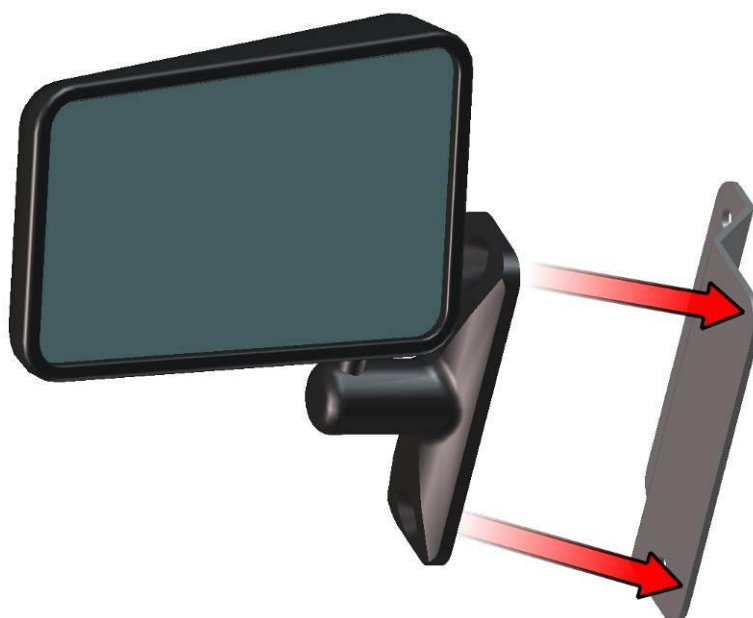
Adjust the door stop holder and the door stop to best position.

If you close the door slowly and door stop adjusted correctly, you can hear 2 clear metallic click.

If you have problem with the door stop adjusting repeat the step from previous page.



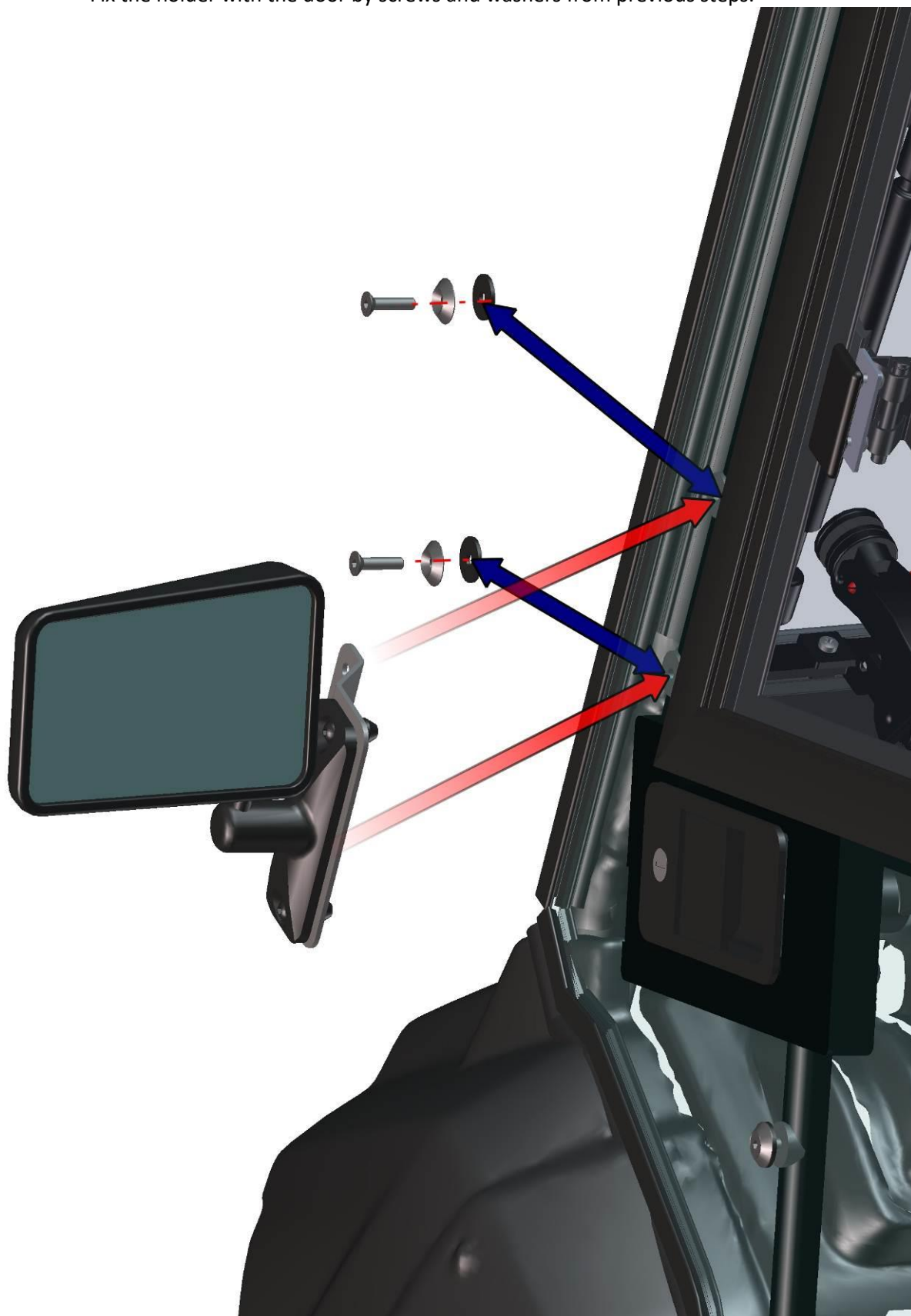
Place the rear mirror to the mirror holder.



Fix the mirror with the holder by screws, washers, nuts and covers.

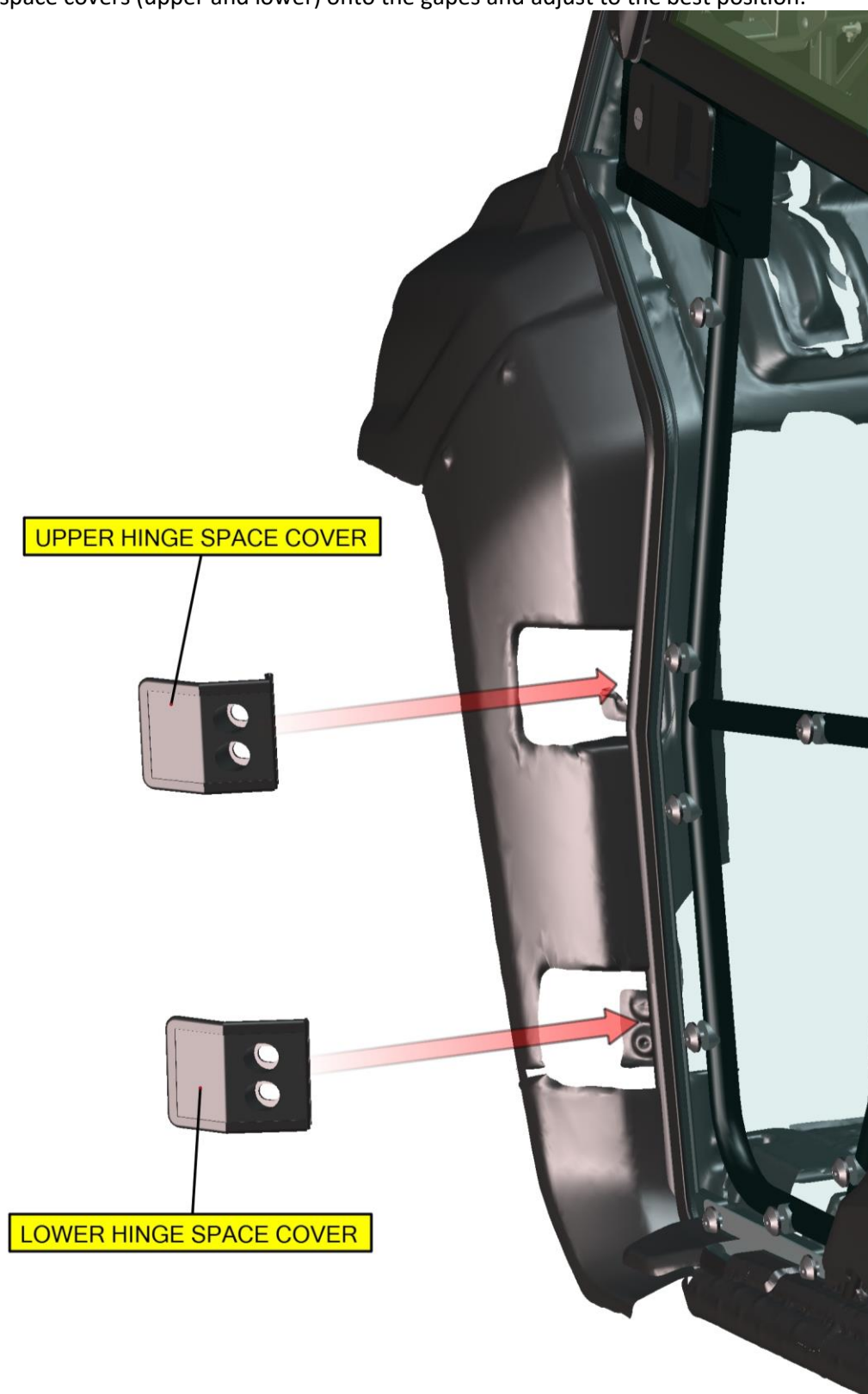


Loosen the screws and washers from the door. Place the mirror with the holder to the door.
Fix the holder with the door by screws and washers from previous steps.



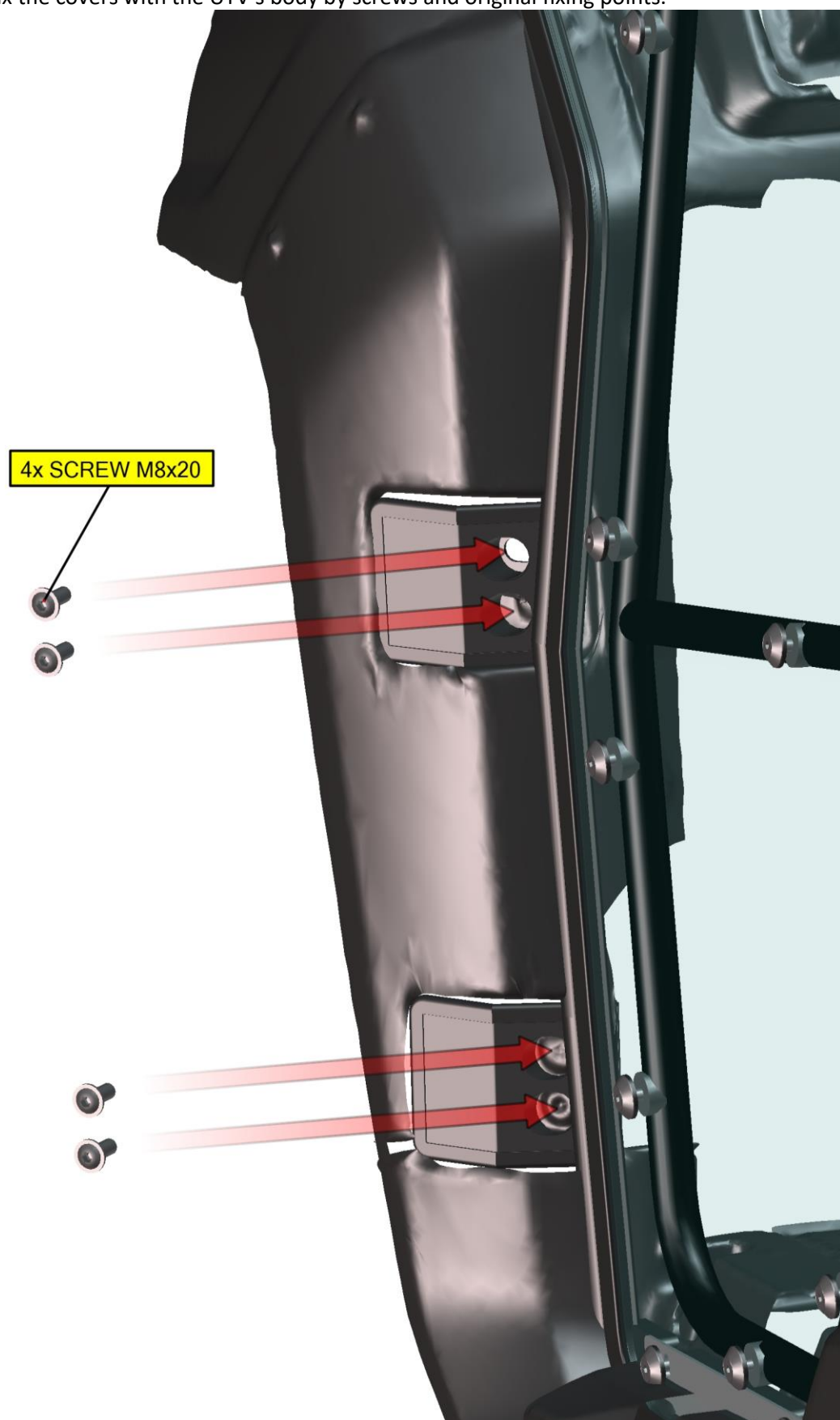
68

Place the hinge space covers (upper and lower) onto the gapes and adjust to the best position.



69

Fix the covers with the UTV's body by screws and original fixing points.



70

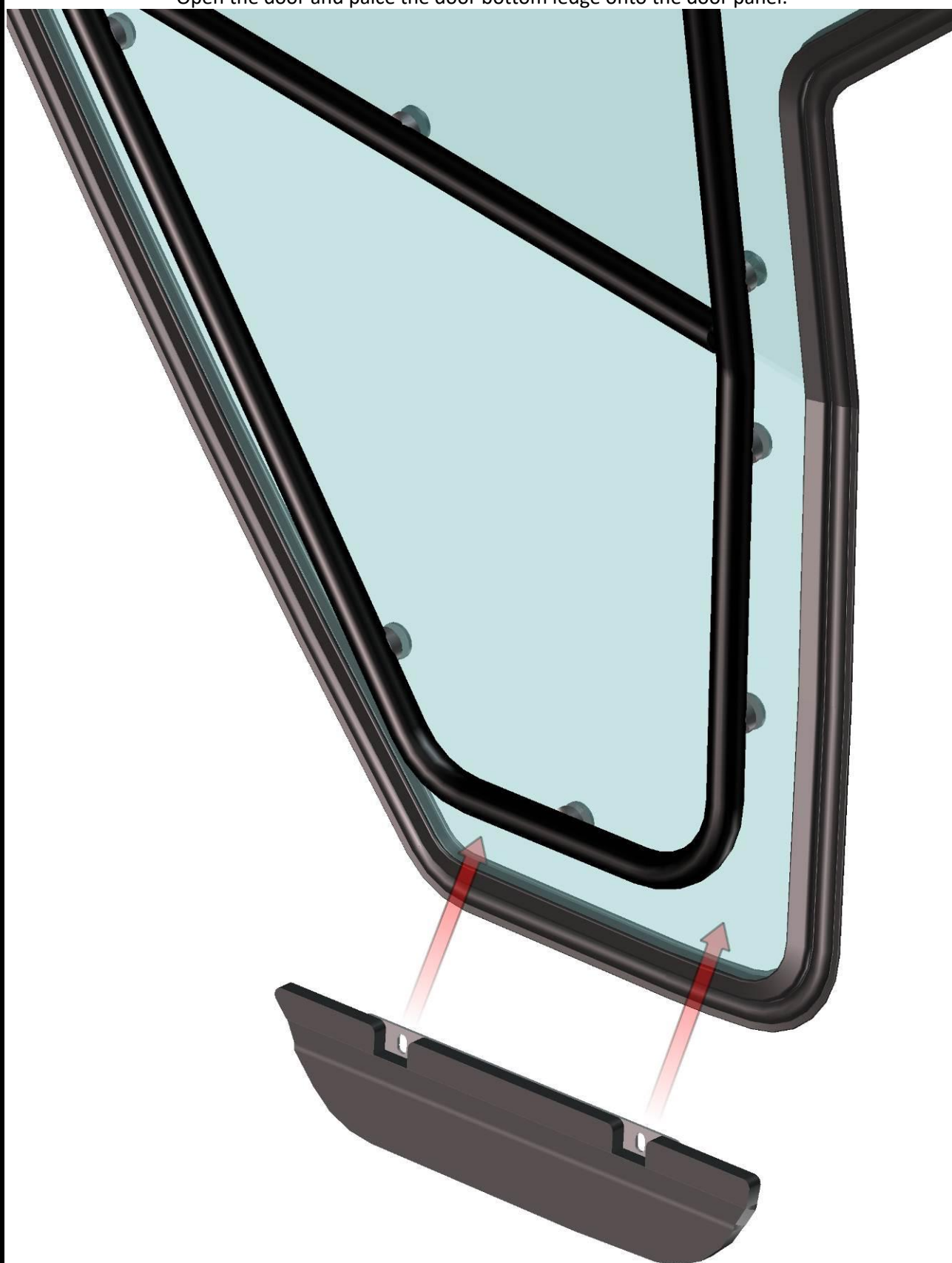
If you have any gapes between the door seal and UTV's floor, see next pages.



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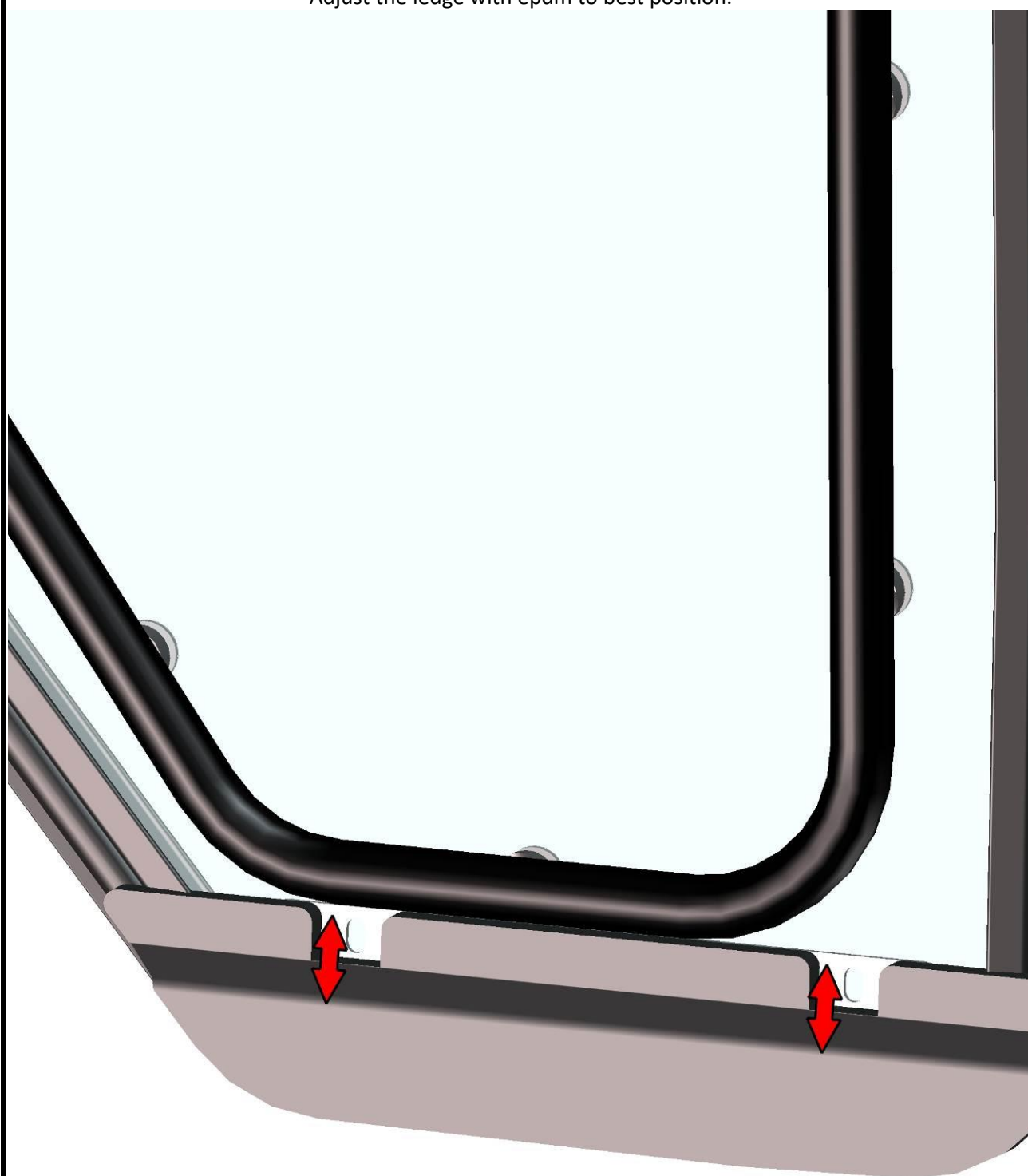
If you don't have any gapes, ignore pages no.:72-77.

Open the door and palce the door bottom ledge onto the door panel.



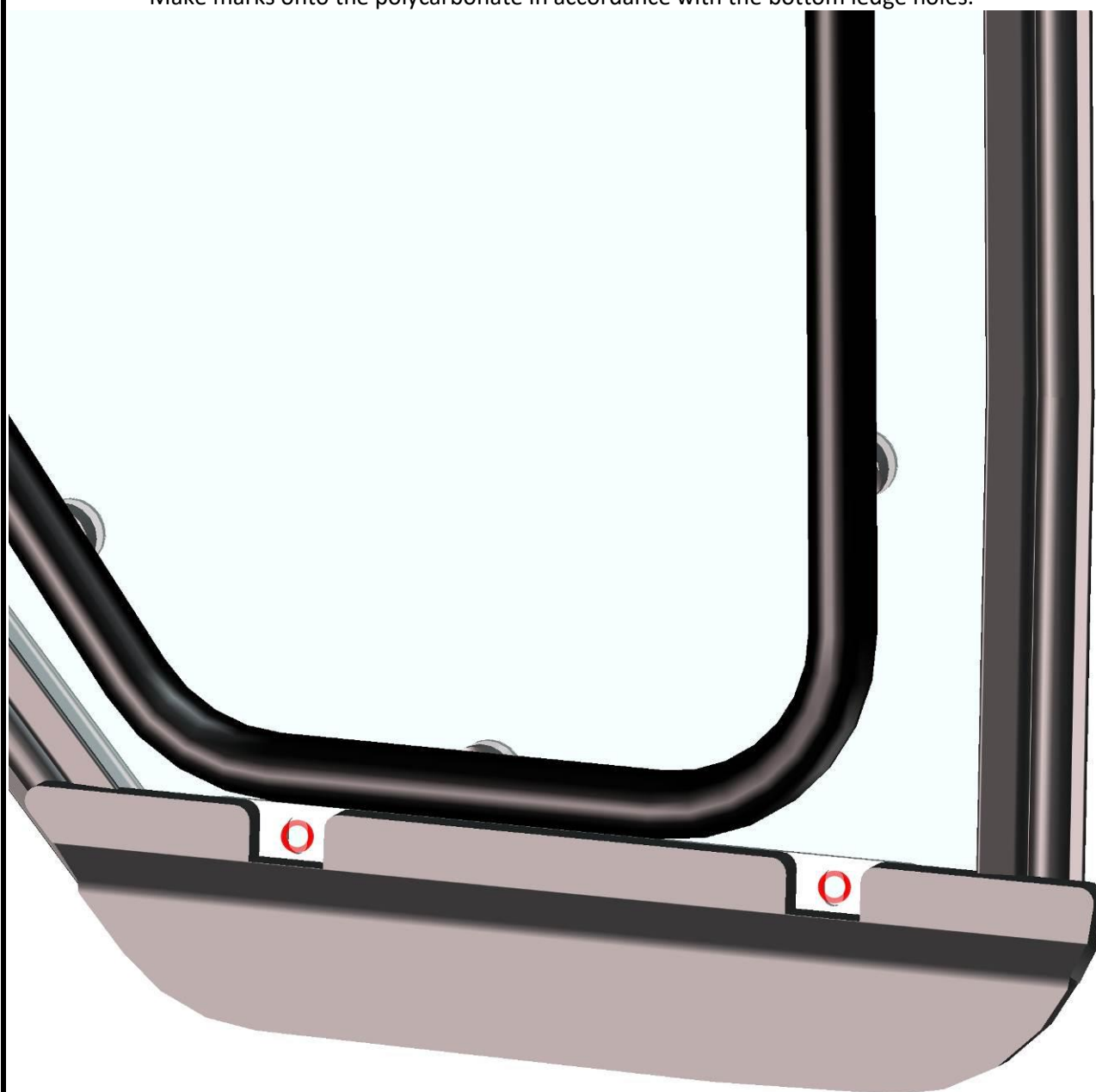
72

Adjust the ledge with epdm to best position.



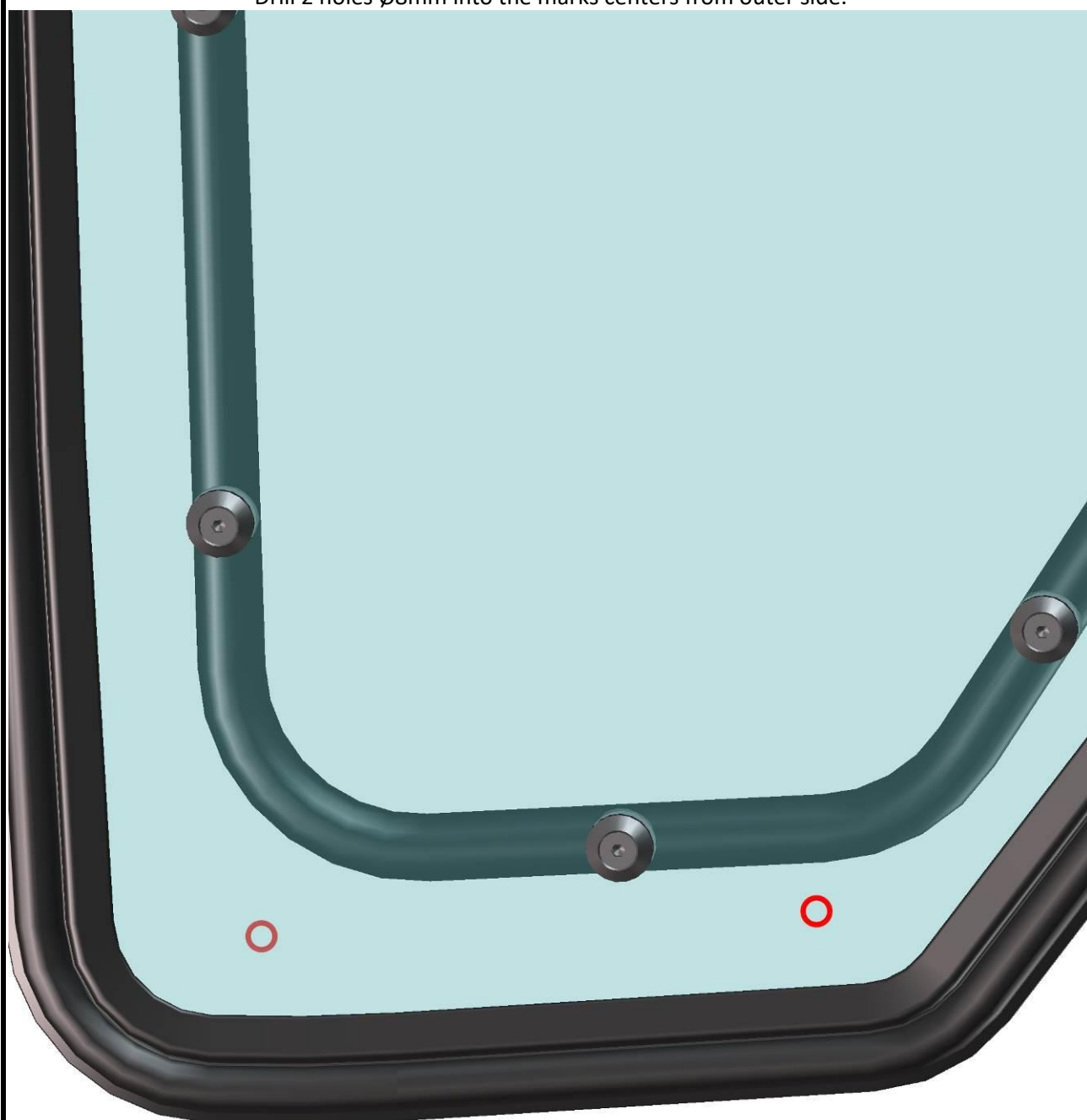
73

Make marks onto the polycarbonate in accordance with the bottom ledge holes.



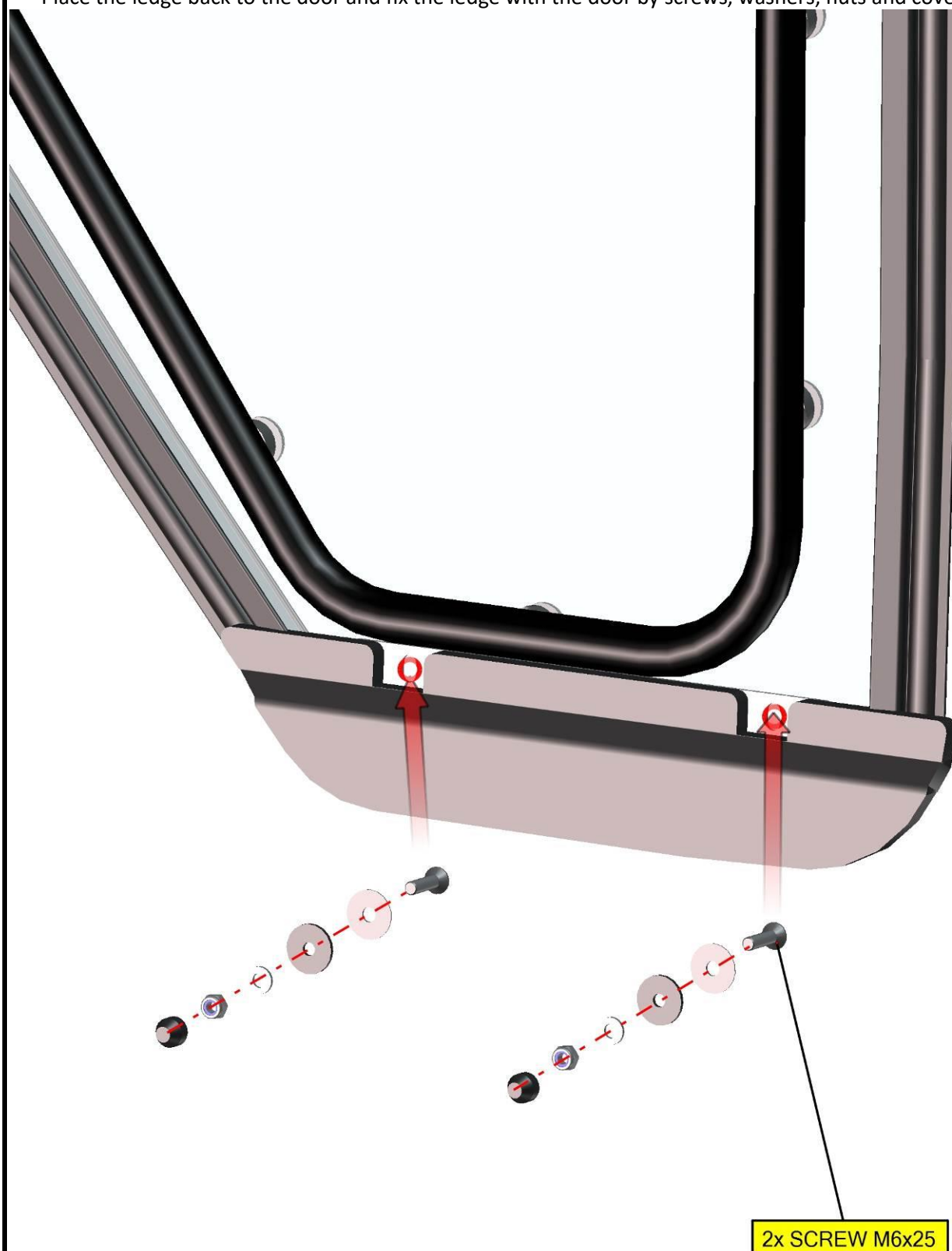
74

Drill 2 holes $\varnothing 8\text{mm}$ into the marks centers from outer side.



75

Place the ledge back to the door and fix the ledge with the door by screws, washers, nuts and covers.

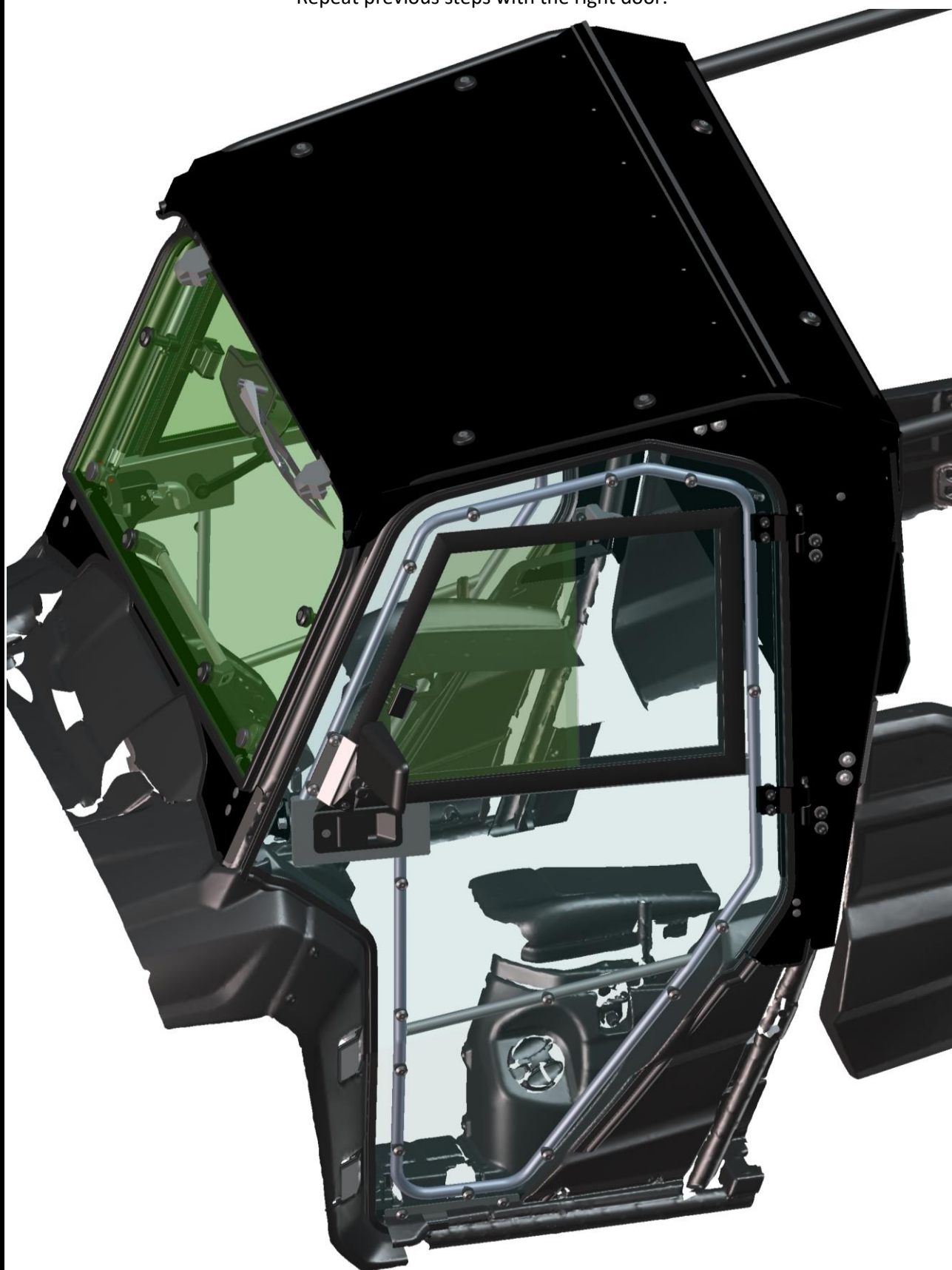


Close the door slowly and adjust the ledge to the best position. You can cut epdm to best outline.



Tigten bottom ledge's screws and nuts correctly.

Repeat previous steps with the right door.



Tighten door's screws and nuts correctly.

REAR LEFT+RIGHT DOOR

Uninstall original screws and holders from both sides and save carefully.



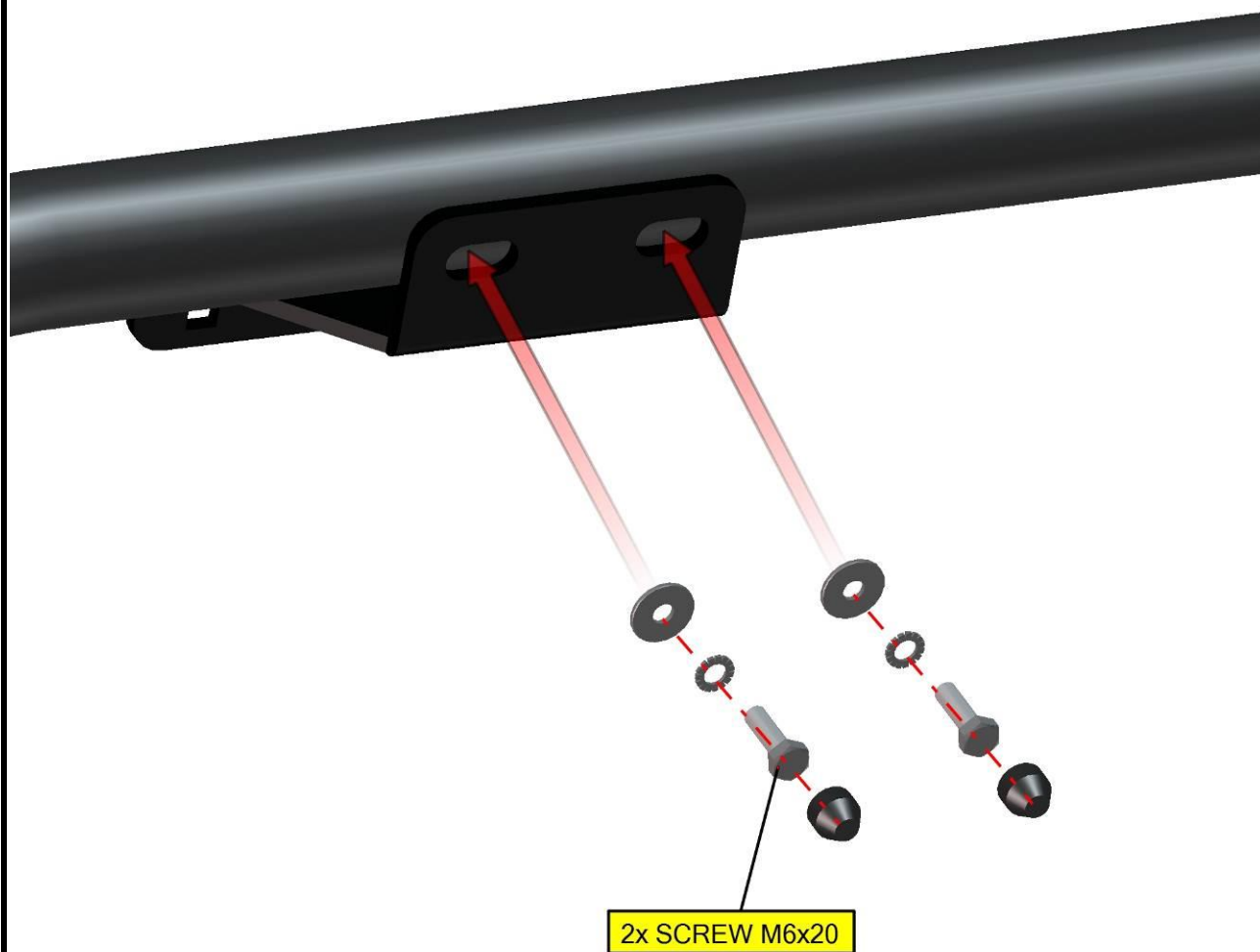
79

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



80

Fix the holder with the roller cage by screws, washers, nuts and covers.

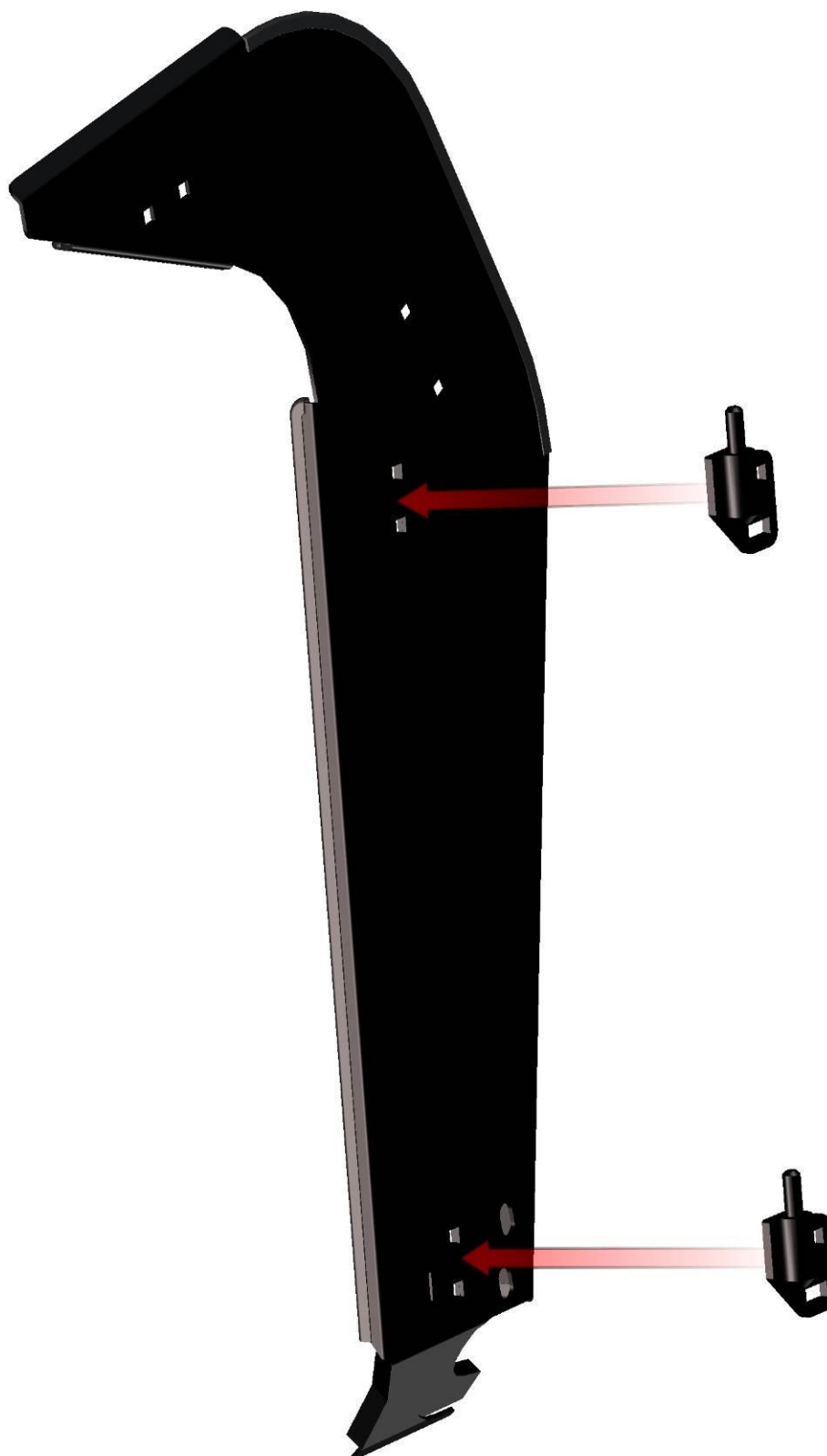


Uninstall original screws and holders from both sides and save carefully.

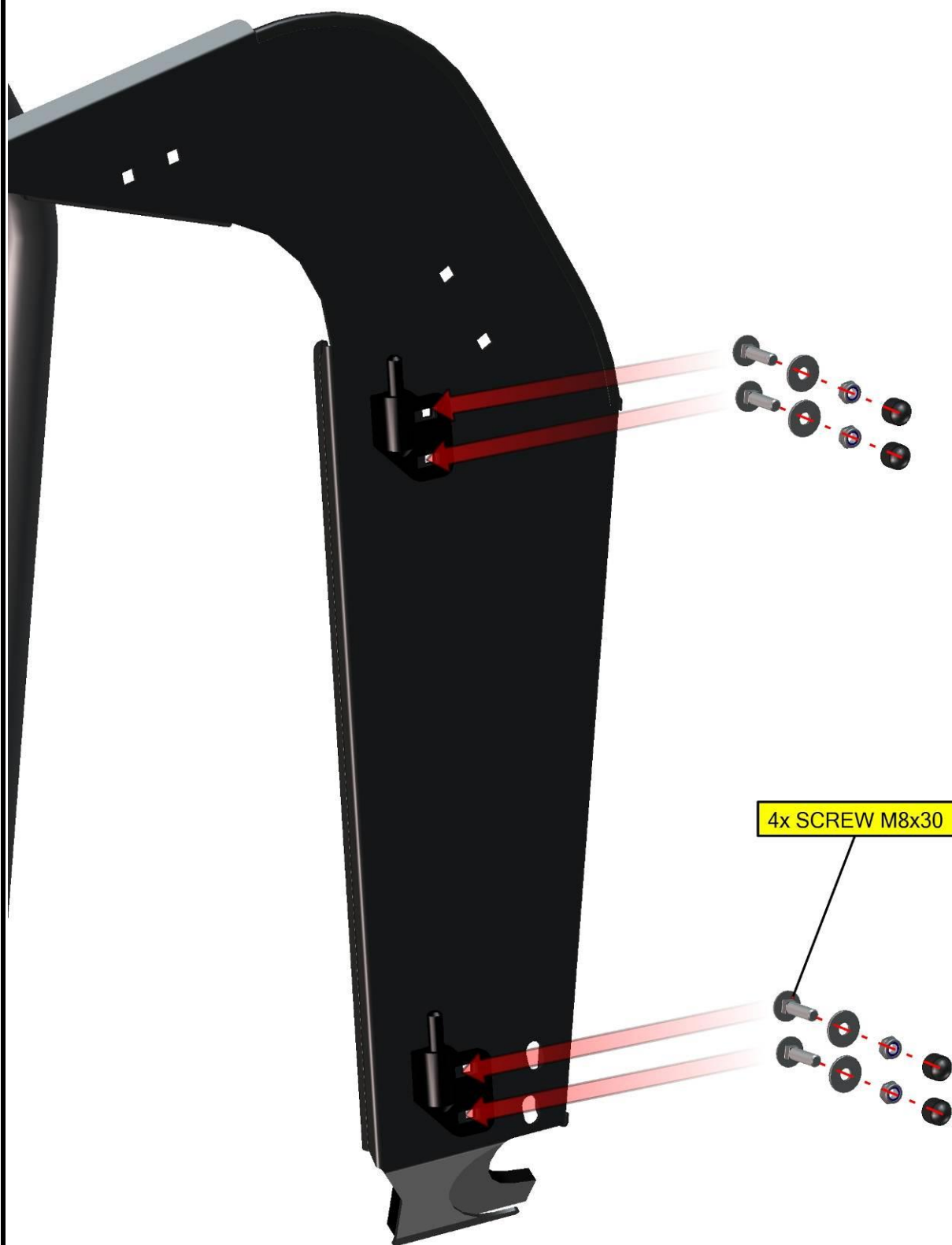


82

Place the left hinges onto the left rear door base.



Fix the hinges with the door base by screws, washers, nuts and covers.



Uninstall original screws and original holders from roller cage from both sides and save carefully.



85

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

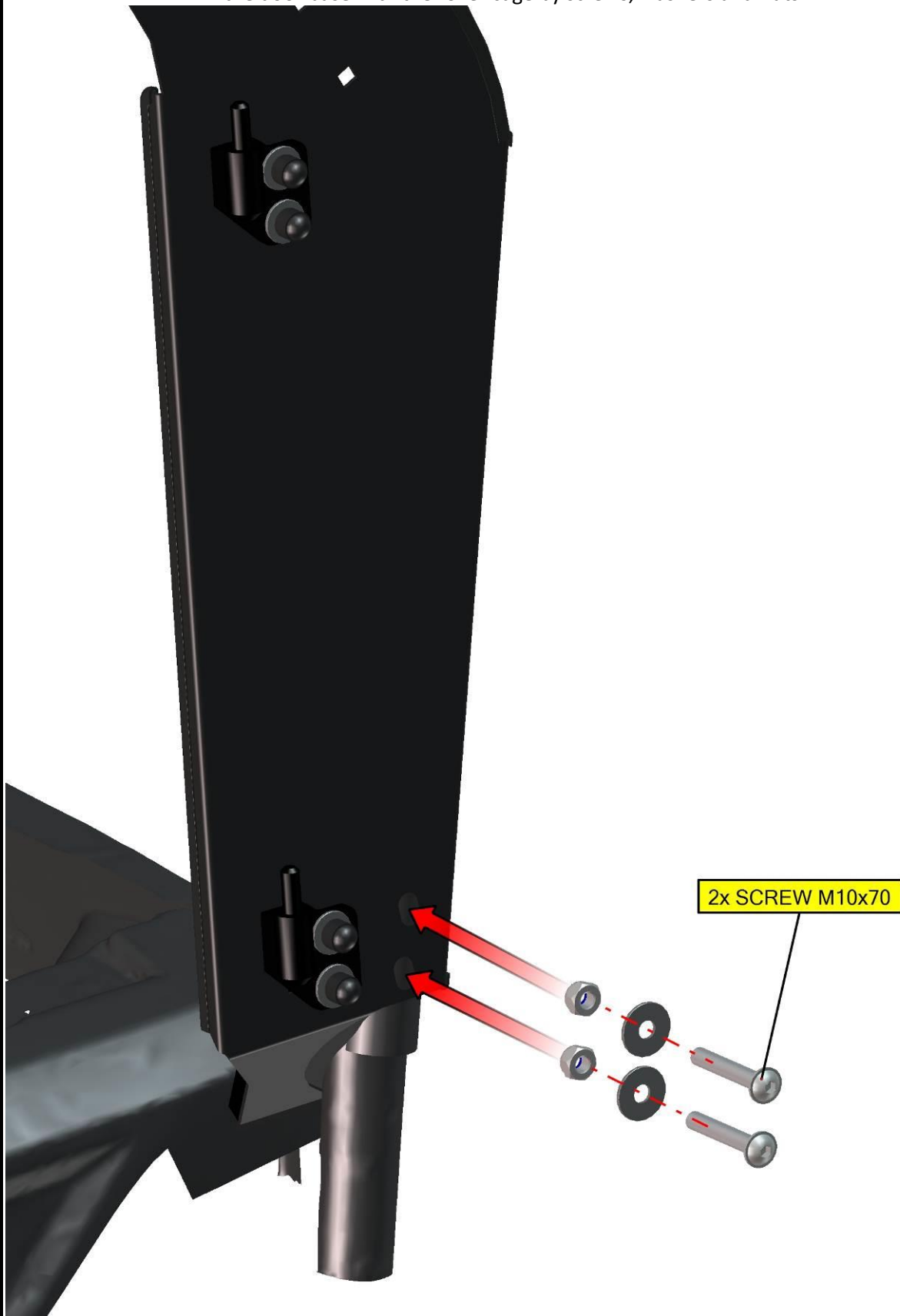


Fix the door base with the holder to the roller cage by screws, washers, nuts and covers.



87

Fix the door base with the roller cage by screws, washers and nuts.



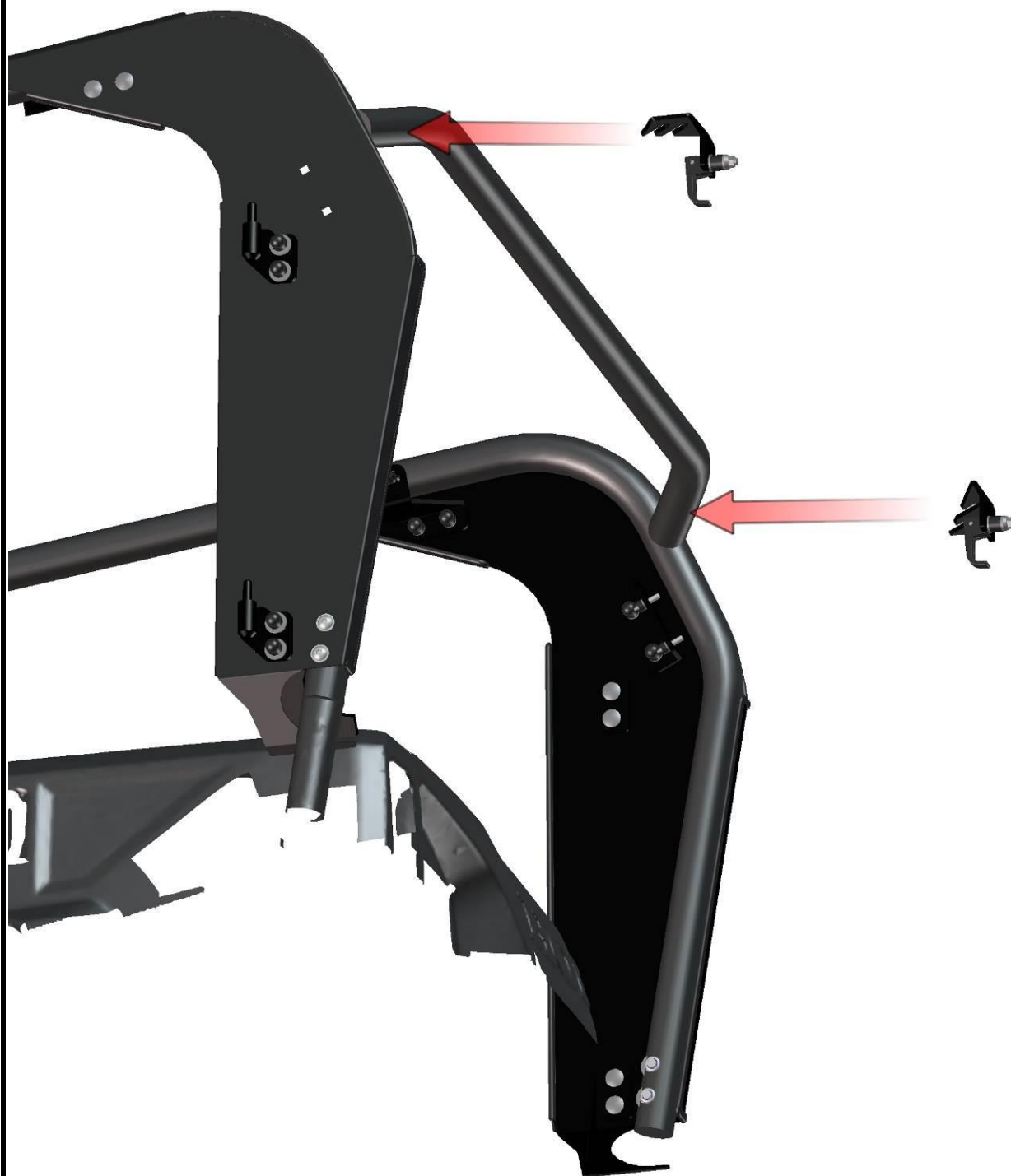
Repeat previous steps with right parts o right side.

SECOND REAR PANEL

Loosen the original nuts and washers on both sides.

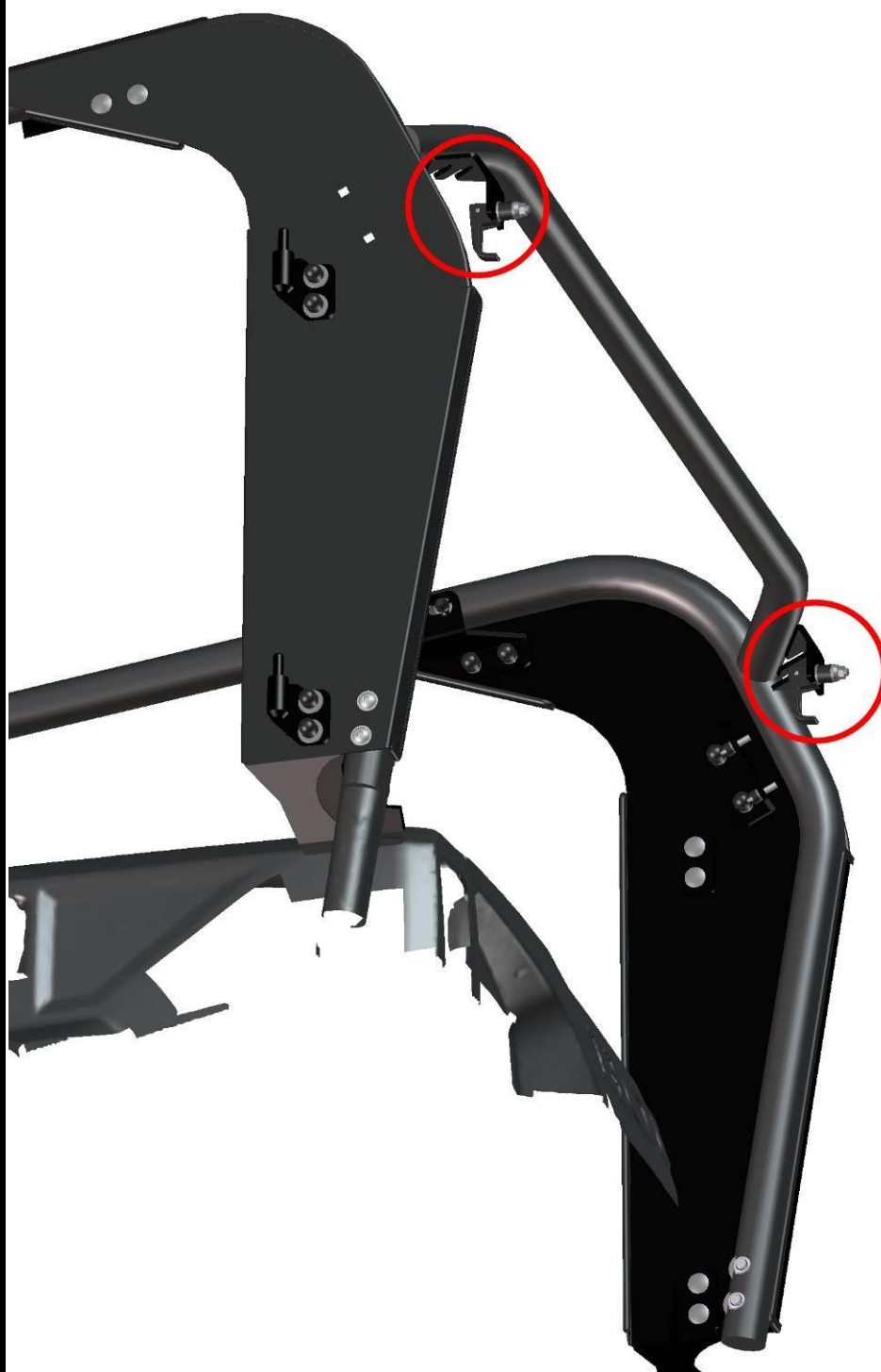


Place the rear upper ledge holder onto the roller cage reinforcement.

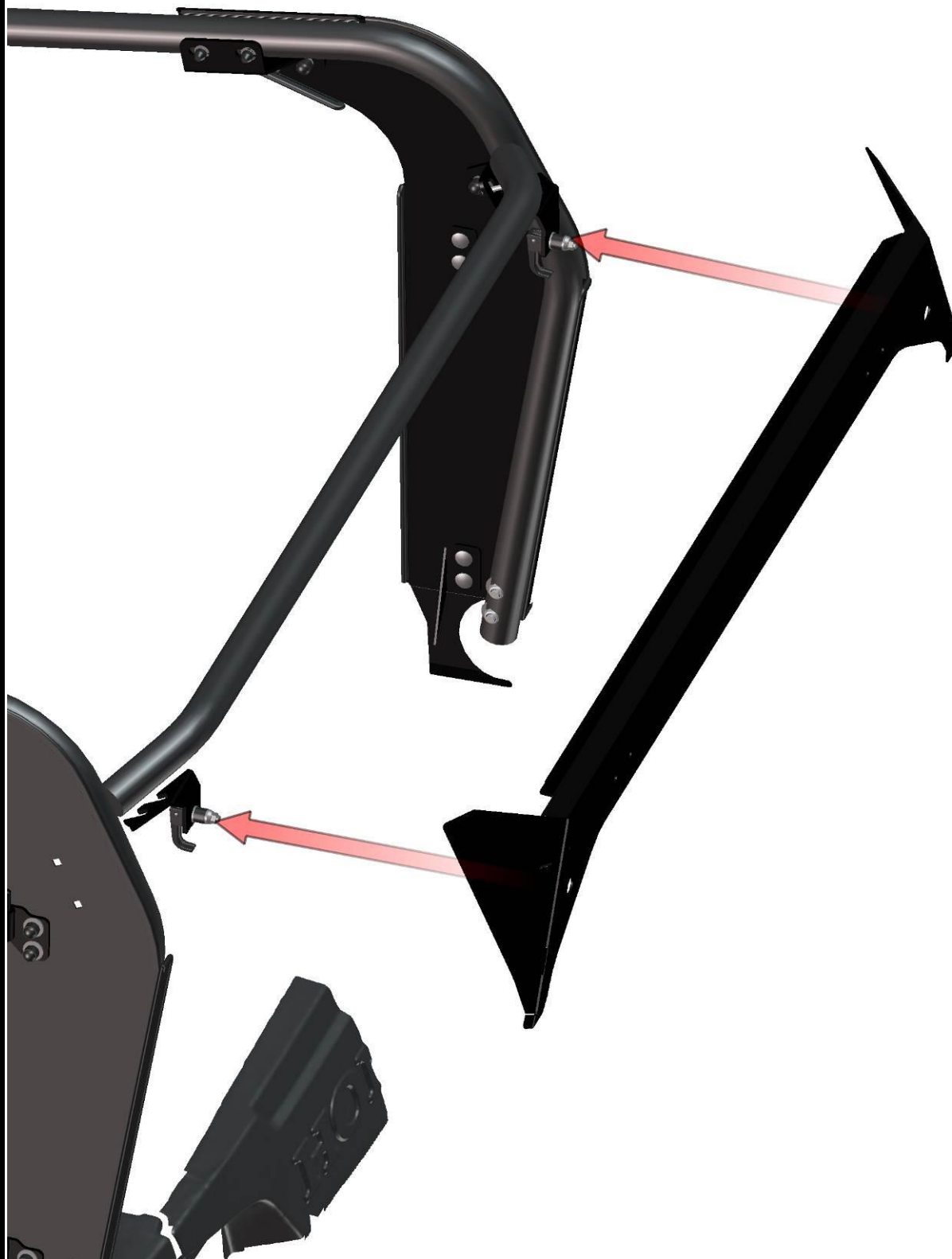


90

Tighten original nuts and washers hard.



Place the rear upper ledge onto the holders and onto the roller cage.



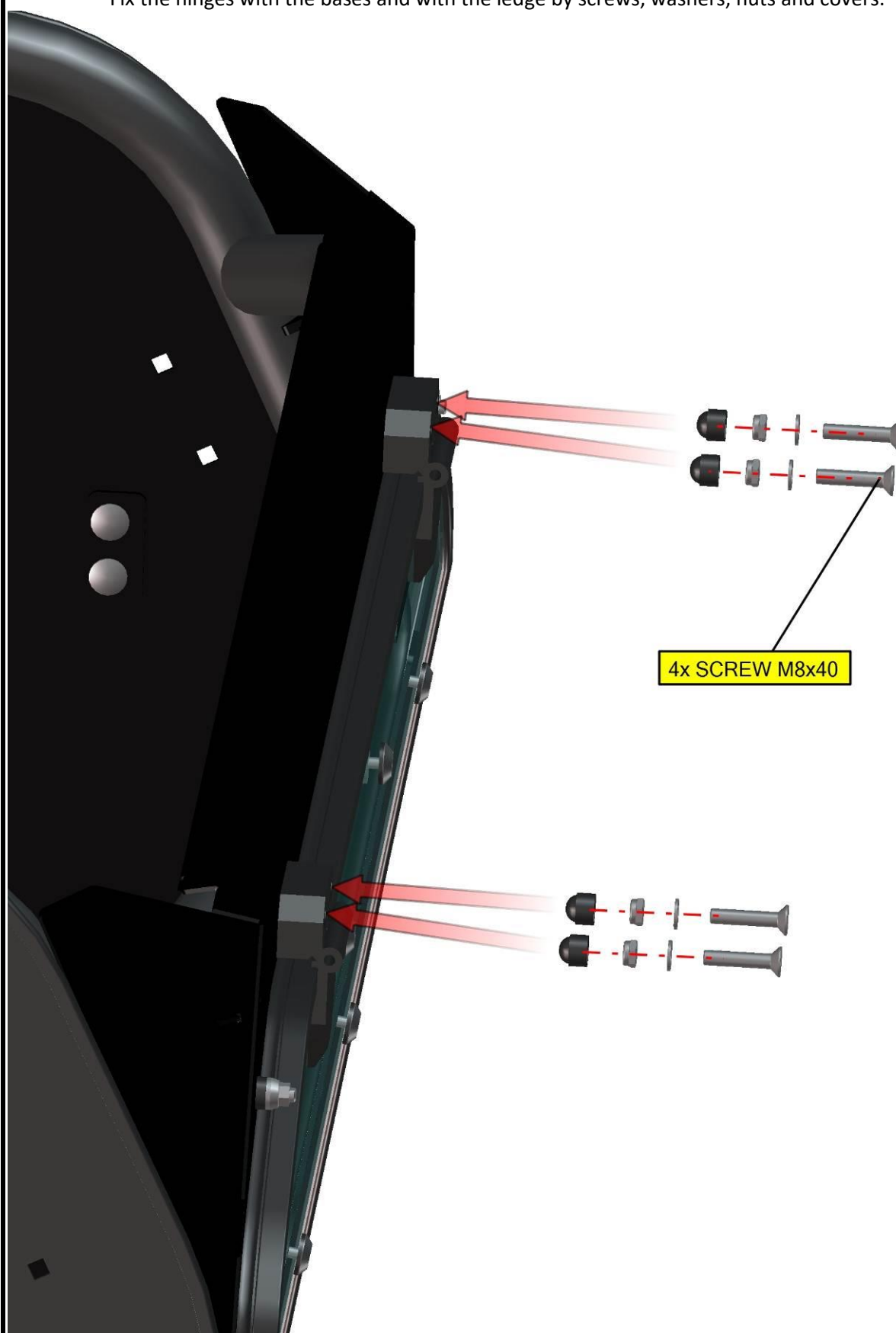
Lock the fast-lock screws on both sides.



Place the rear panel with the base onto the rear upper ledge.



Fix the hinges with the bases and with the ledge by screws, washers, nuts and covers.



Uninstall original screws from the roller cage from both sides and save carefully for later usage.



96

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

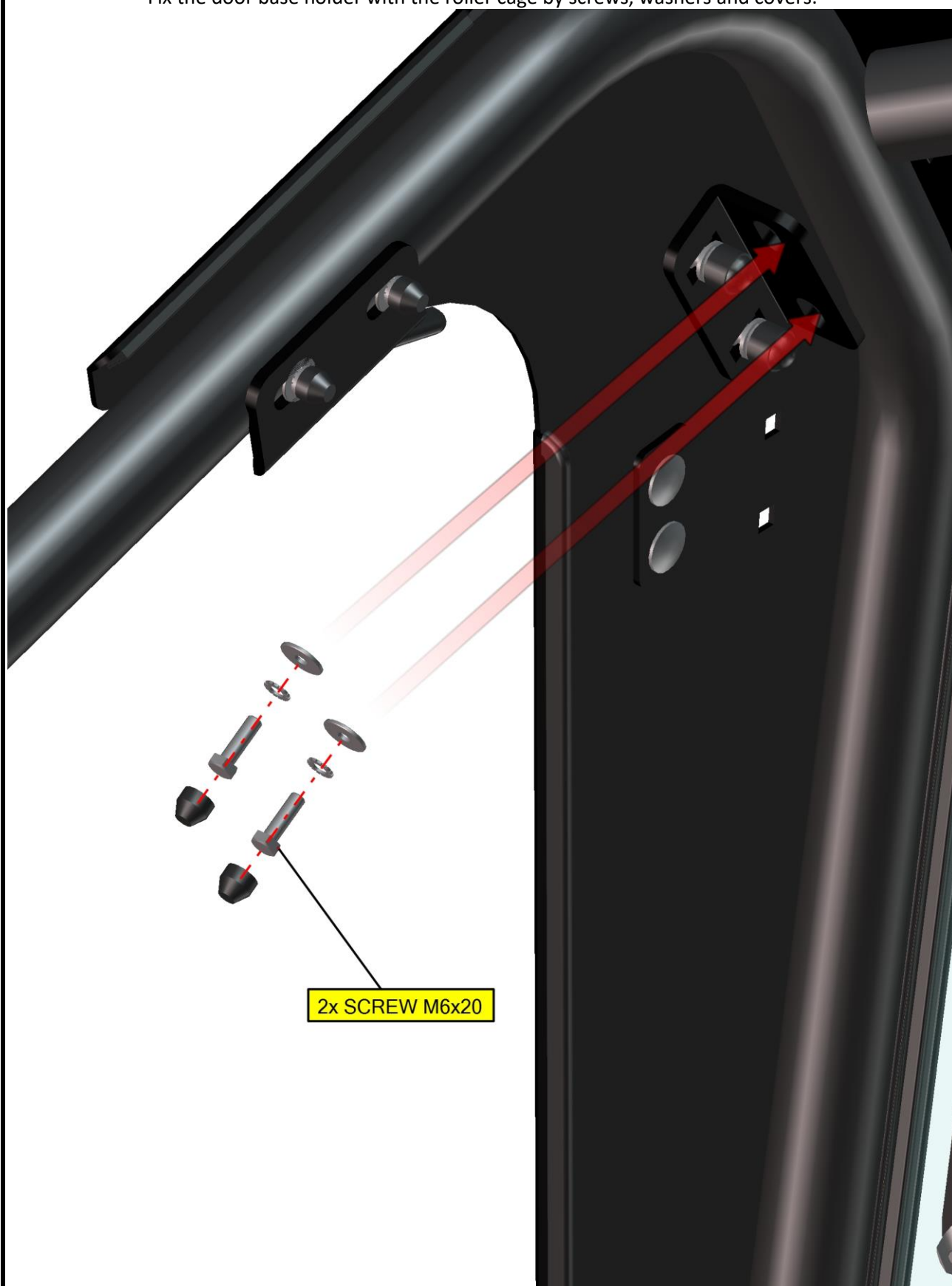


97

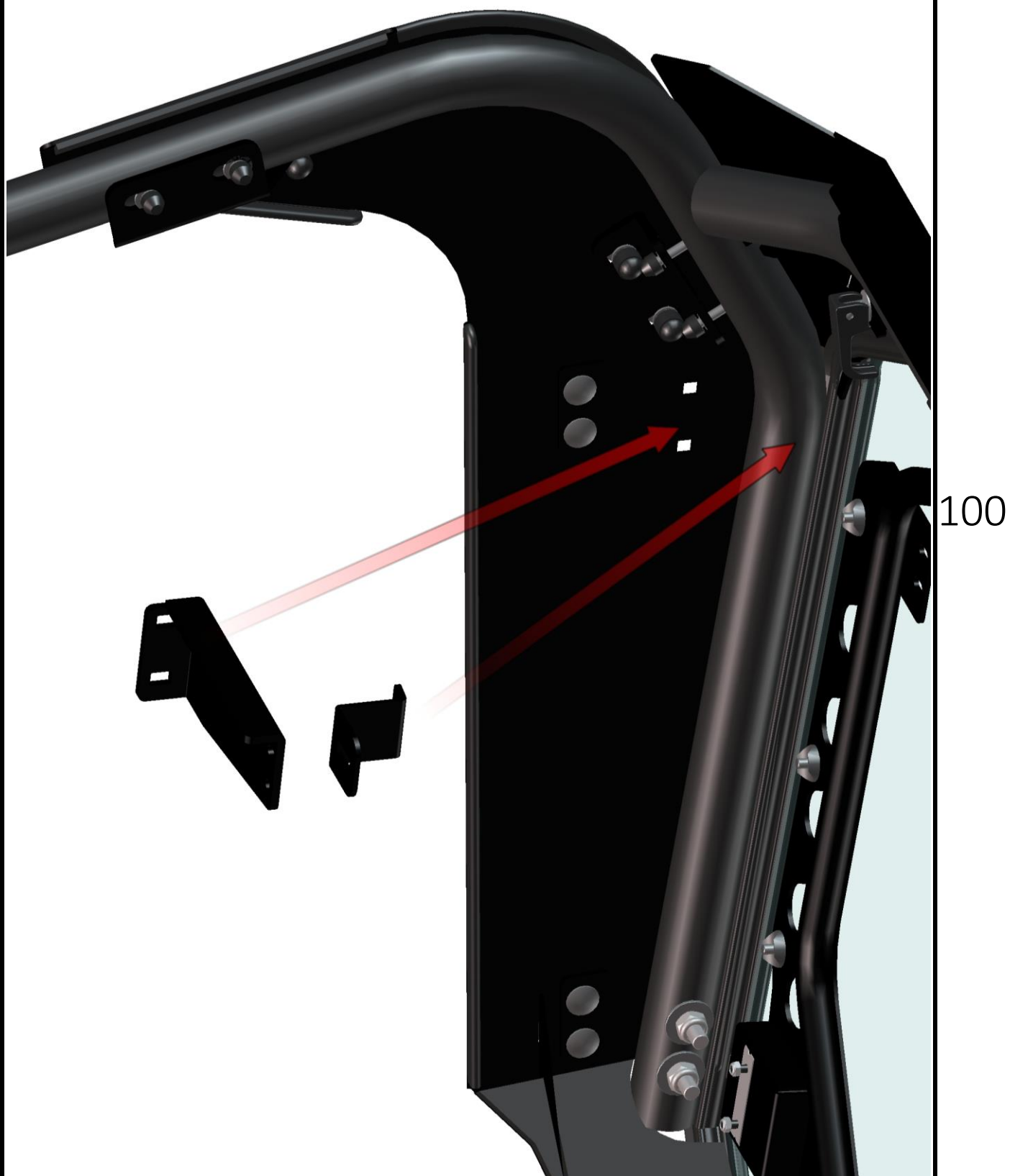
Fix the door base holder with the door base by screws, washers, nuts and covers.



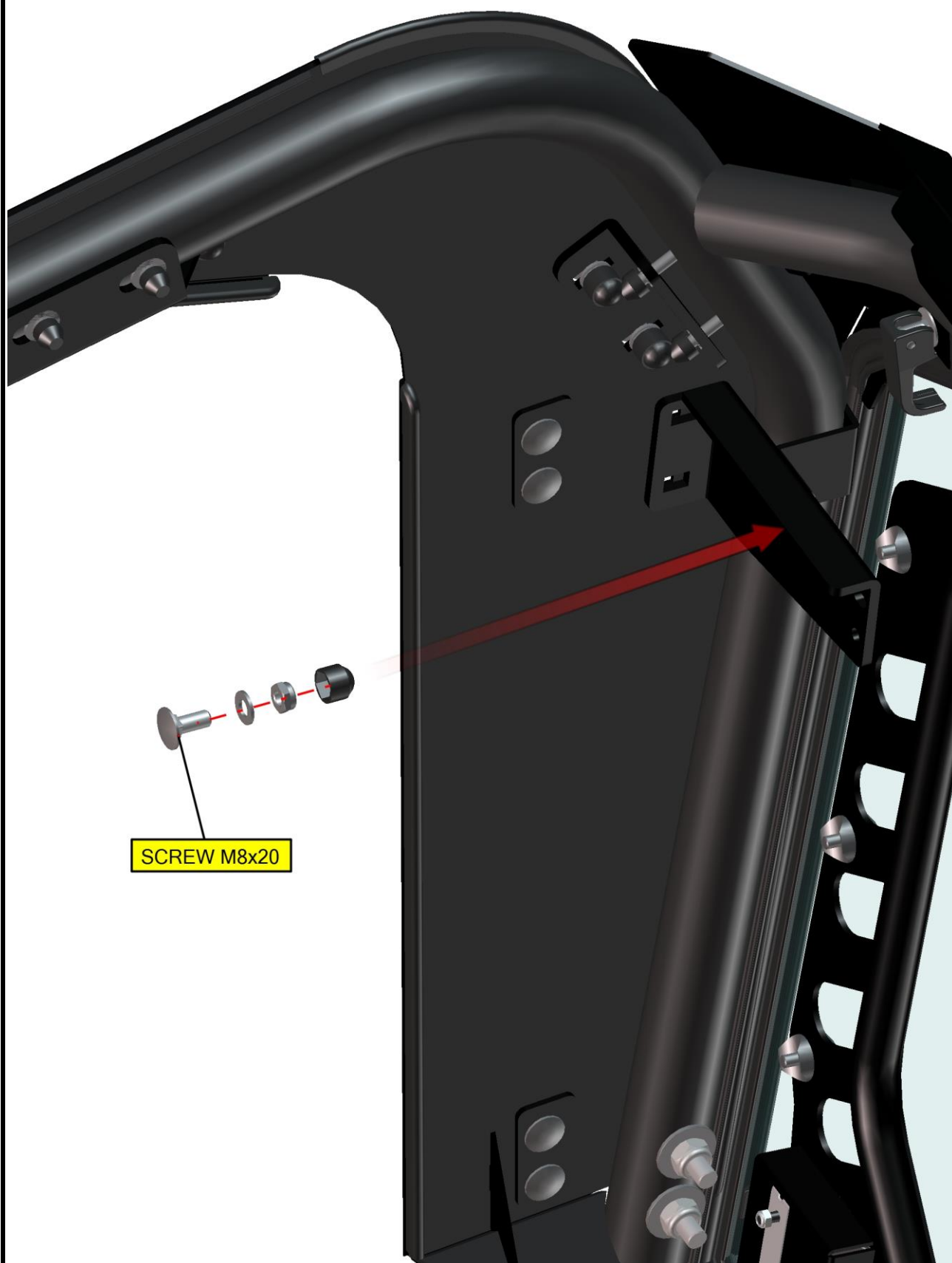
Fix the door base holder with the roller cage by screws, washers and covers.



Place the tilting holder (right) and “z” holder onto the door base and onto the roller cage.

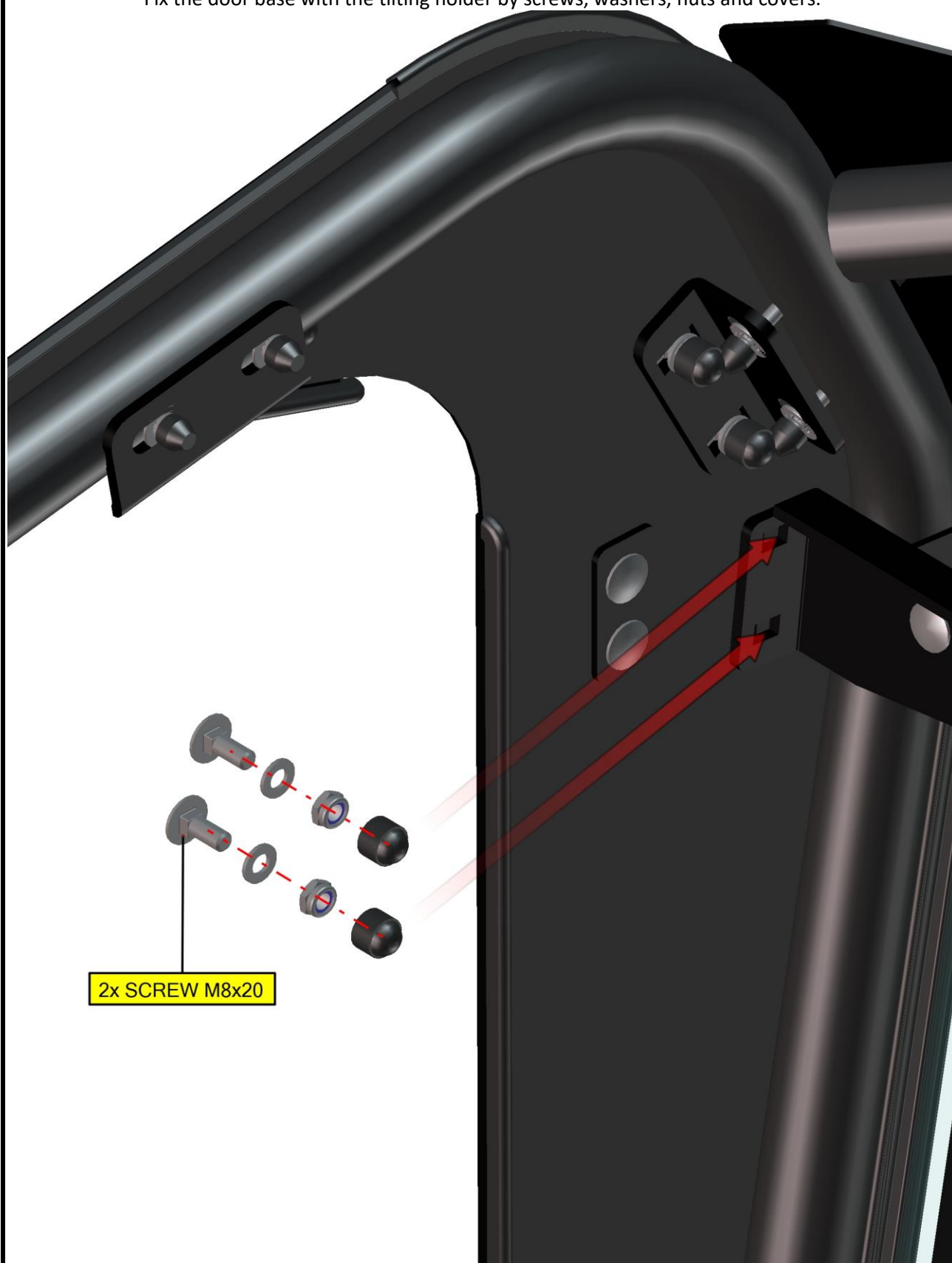


Fix the tilting holder with the "z" holder to the roller cage by screw, washer, nut and cover.



101

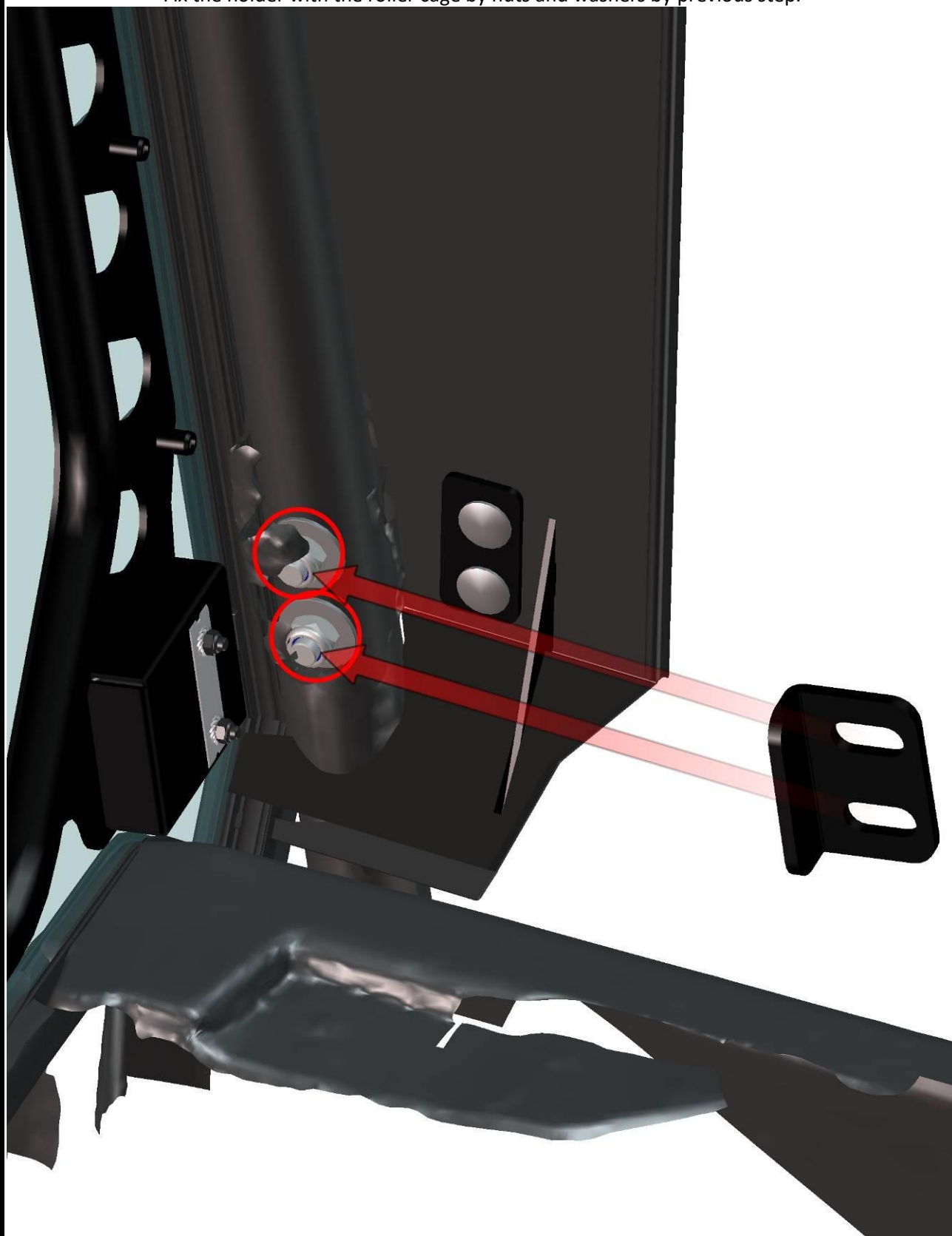
Fix the door base with the tilting holder by screws, washers, nuts and covers.



102

Repeat previous steps on the left side with left parts.

Loosen washers and nuts and place the rear stop onto the roller cage.
Fix the holder with the roller cage by nuts and washers by previous step.

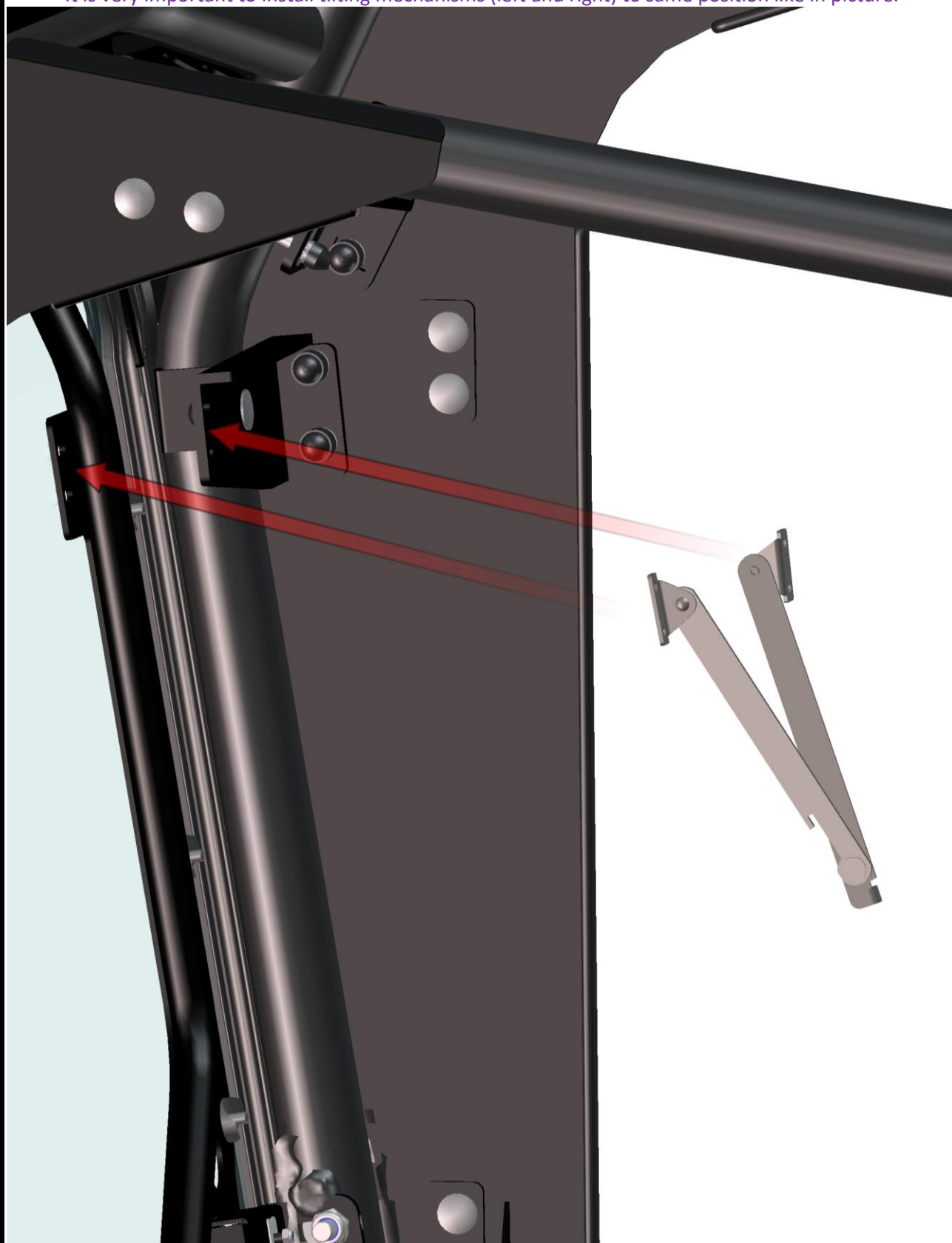


103

Repeat previous steps on second side.

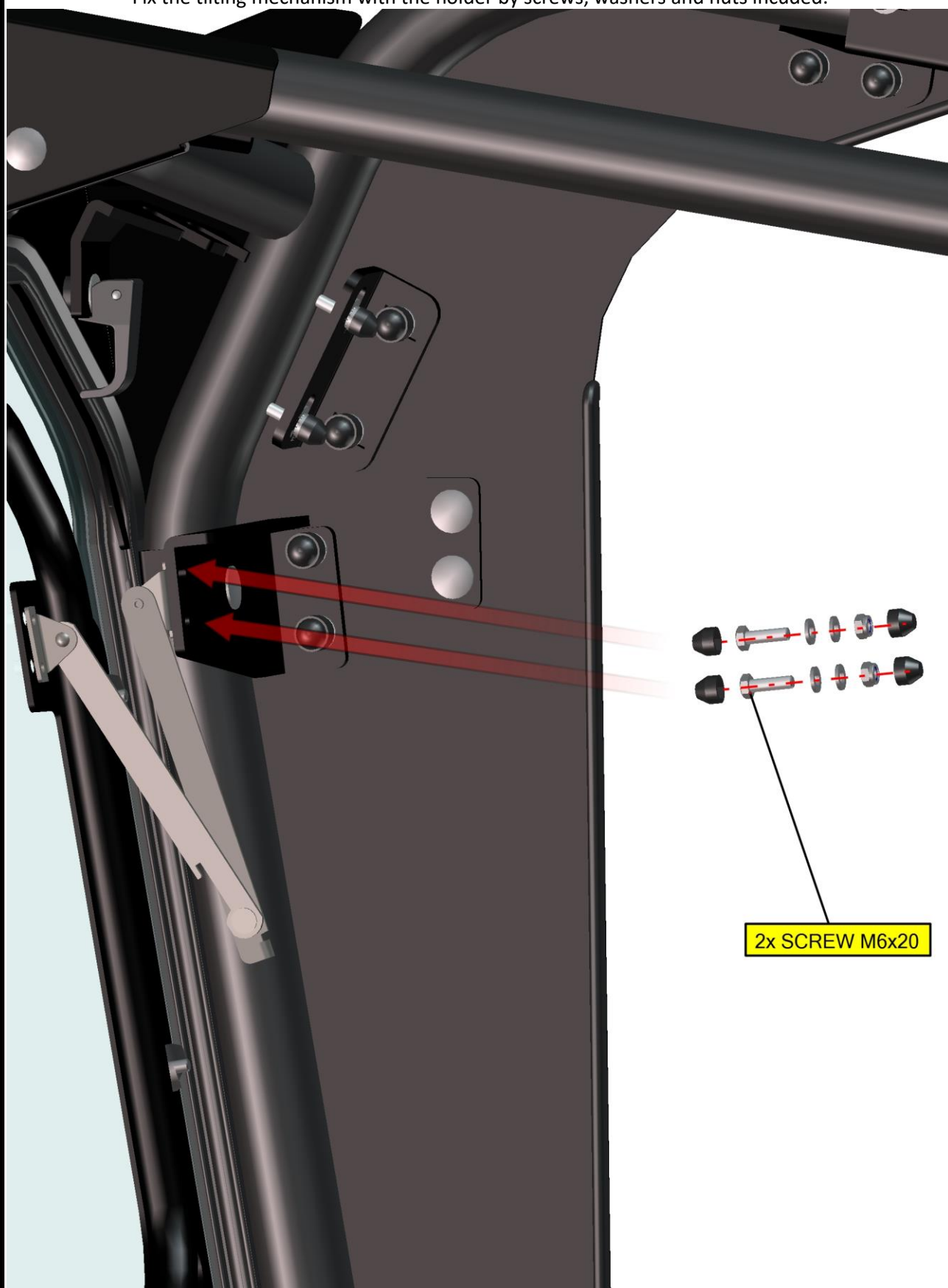
Place tilting mechanism onto the holder.

It is very important to install tilting mechanisms (left and right) to same position like in picture.

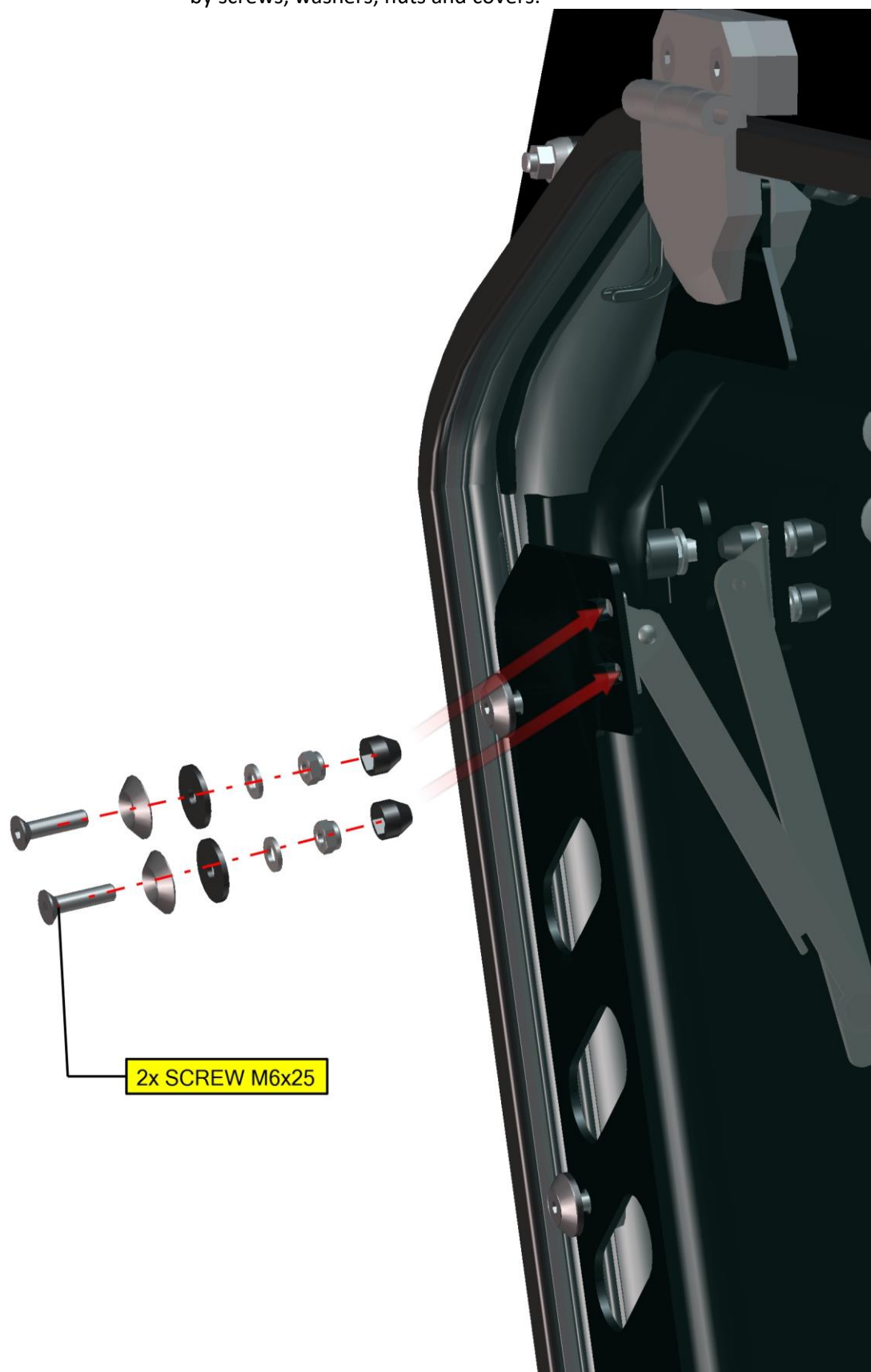


SEE NEXT PAGES

Fix the tilting mechanism with the holder by screws, washers and nuts included.

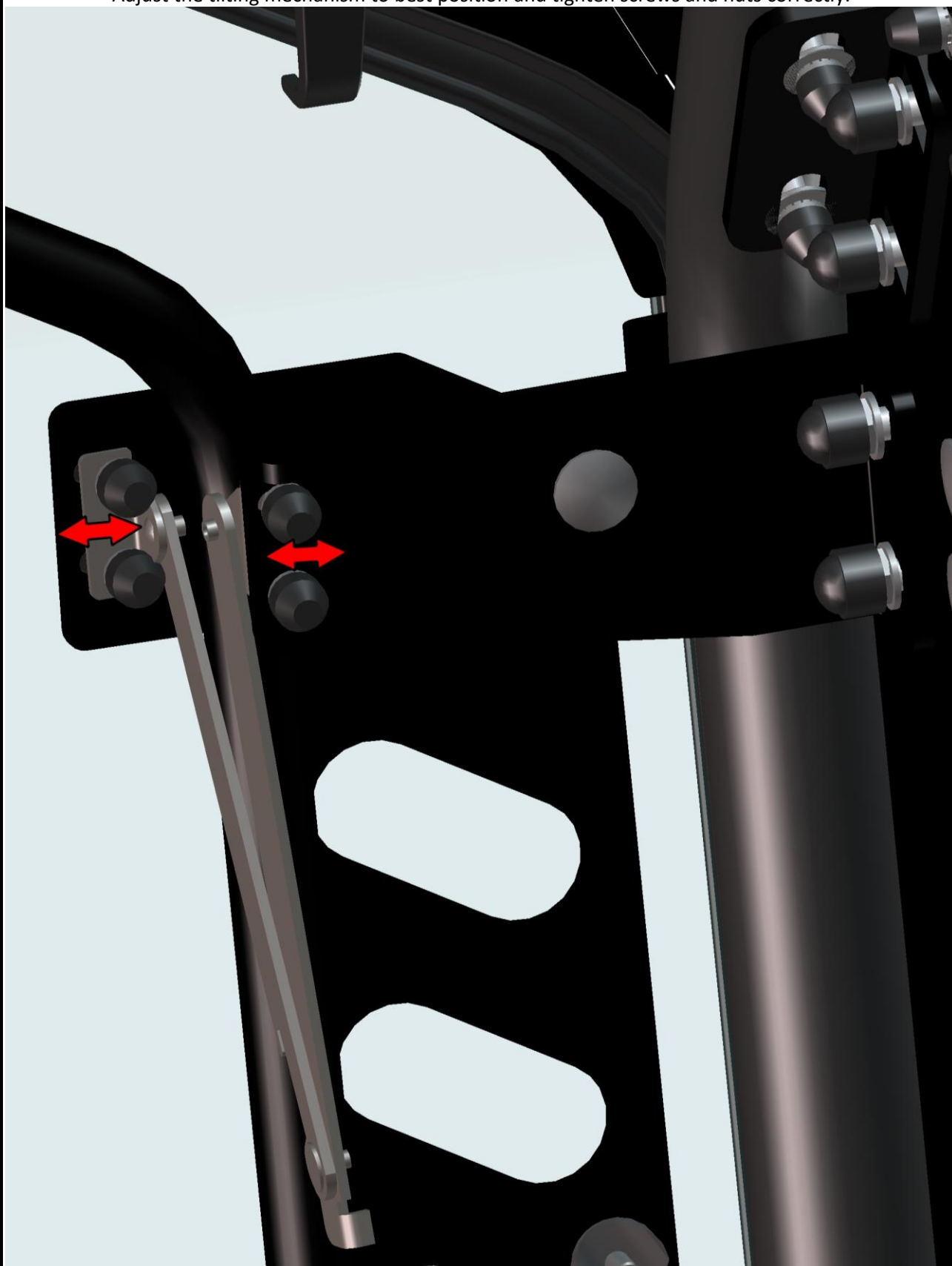


Fix the tilting mechanism end with the rear poly panel and with the reinforcement by screws, washers, nuts and covers.



106

Adjust the tilting mechanism to best position and tighten screws and nuts correctly.



Repeat previous steps on second side.

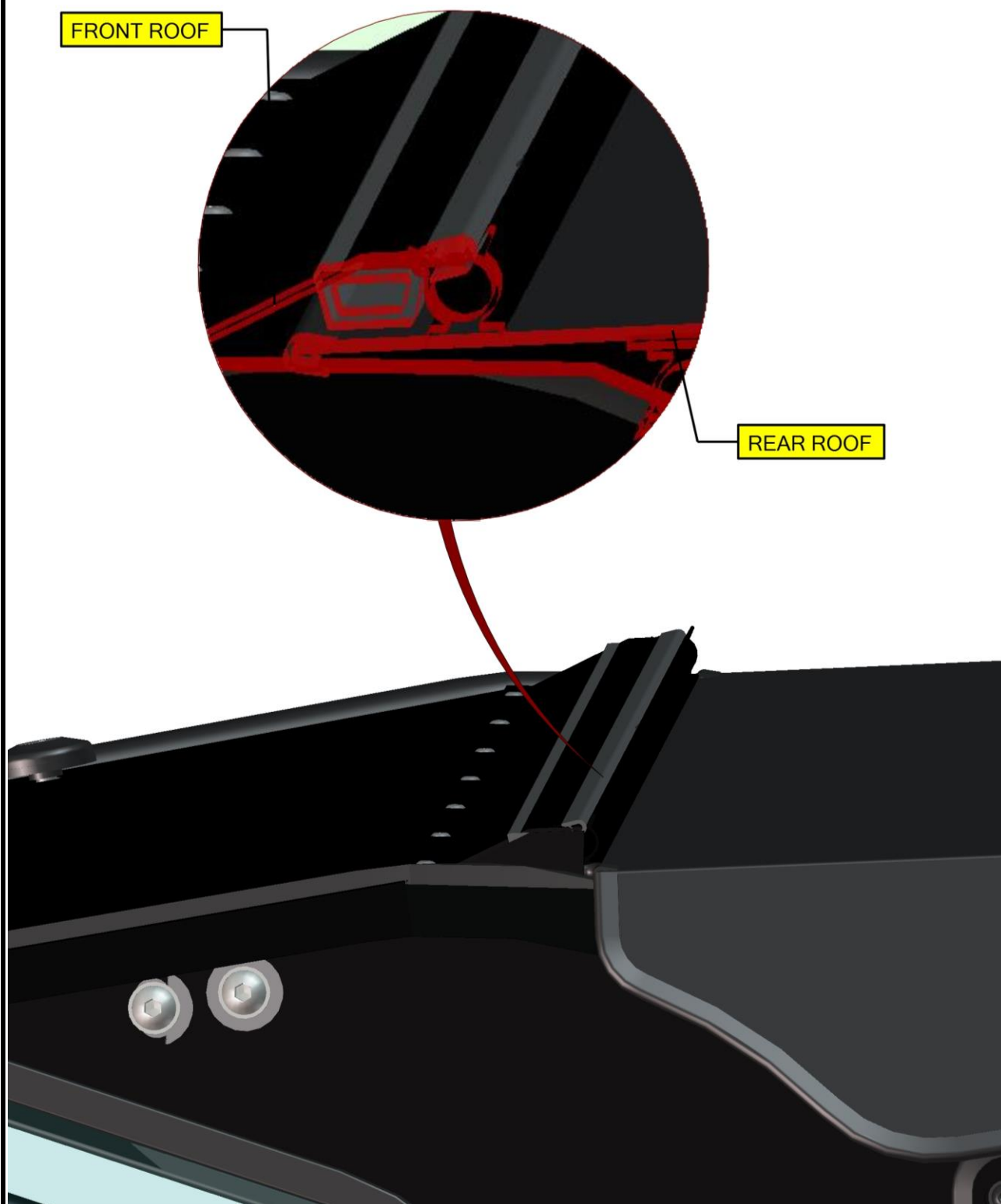
REAR ROOF

Place the rear roof onto the roller cage and insert the rear roof nose into the front roof pocket.



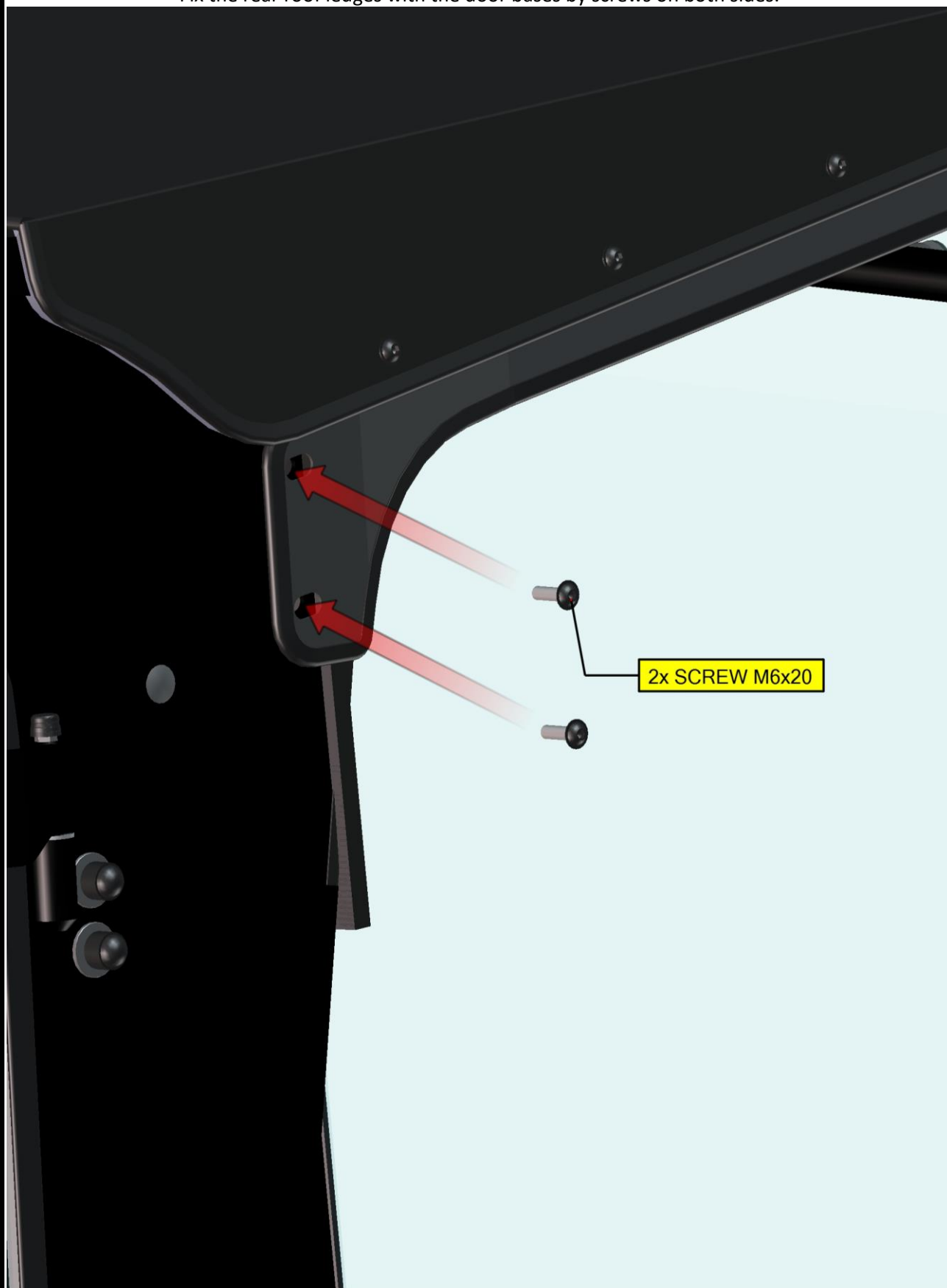
SEE NEXT PAGE

Detail cutted view.



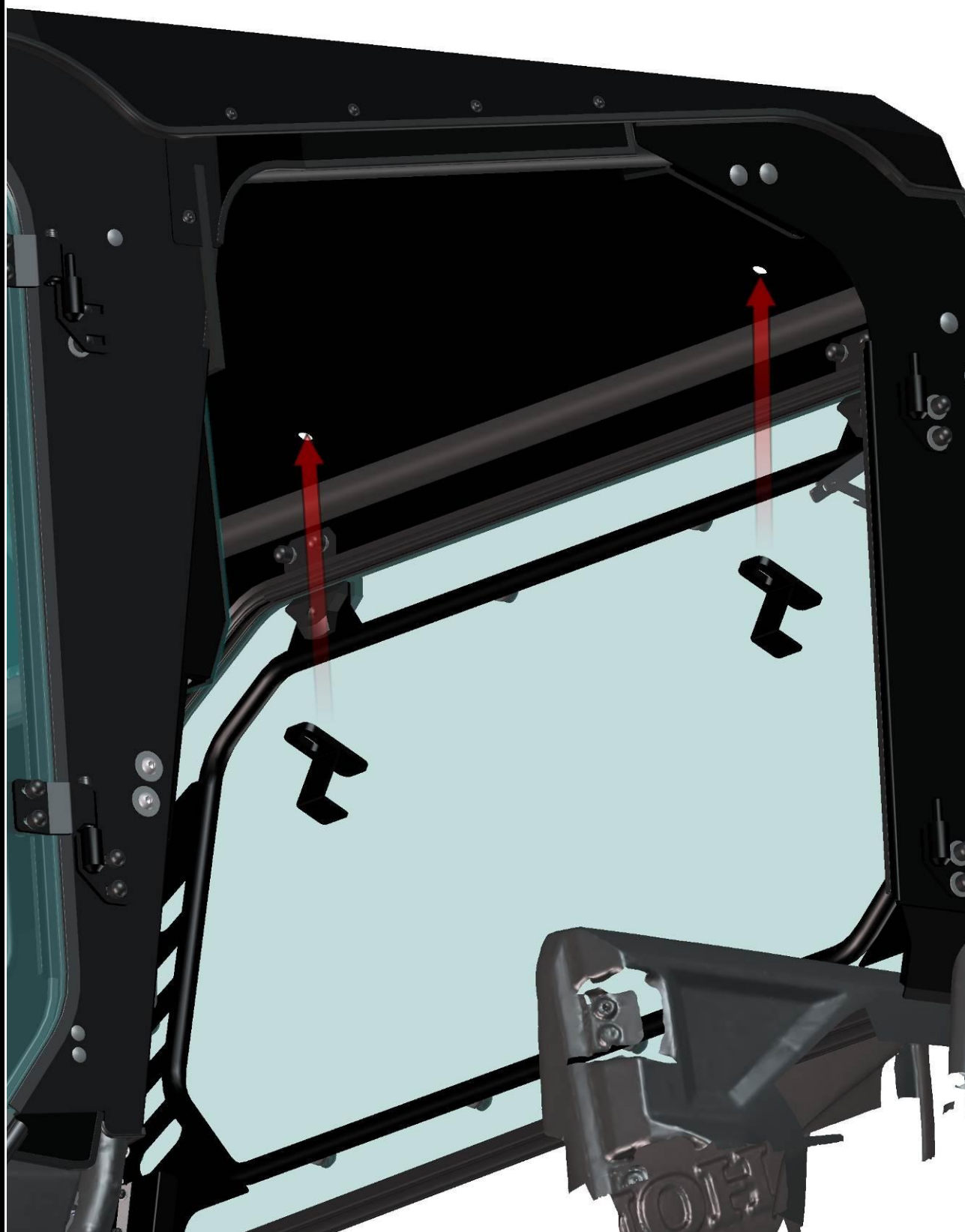
109

Fix the rear roof ledges with the door bases by screws on both sides.



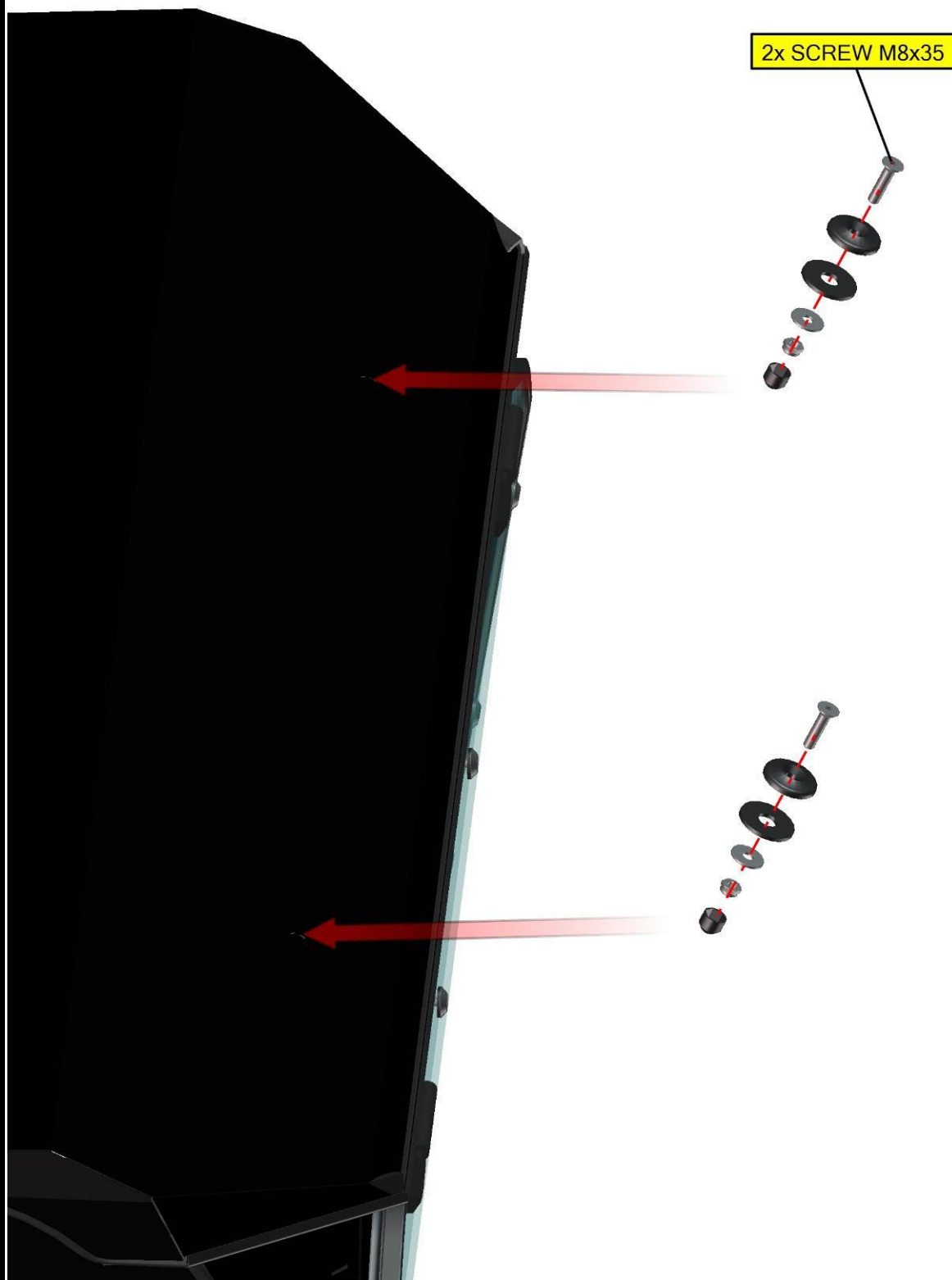
110

Place the rear roof holder "h" onto the roof and onto the roller cage.



111

Fix the holders with the roof to the roller cage by screws, washers, nuts and covers.



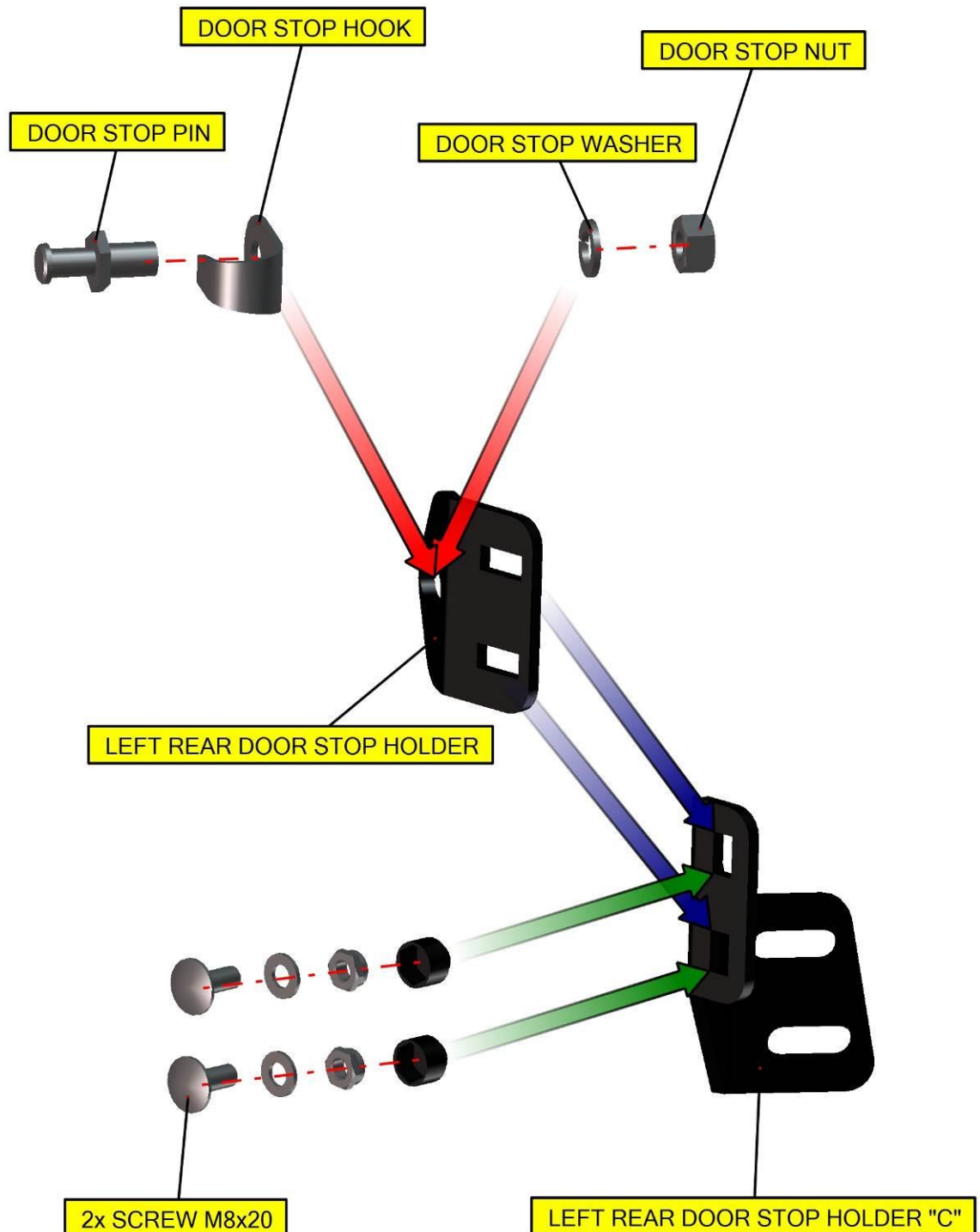
Adjust the roof to best position and tighten screws and nuts correctly.

REAR DOOR 2.

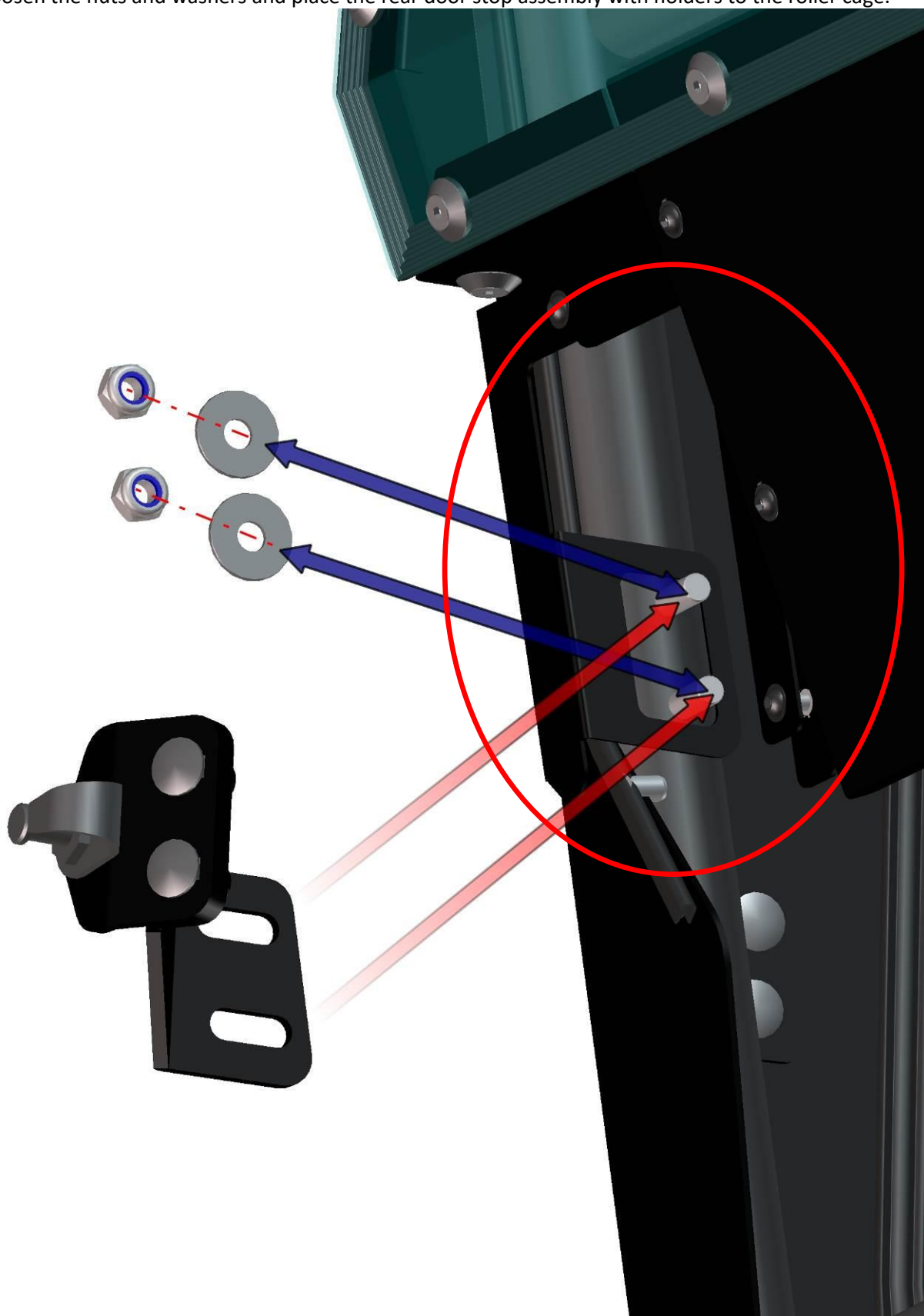
Install the door stop assembly (pin, hook, washer and nut) into the correct rear door stop holder (left or right). Place the door stop holder with the door stop assembly onto the correct rear holder "J" (left or right).

Fix the door stop holder with the rear holder "J" by screws, washers, nuts and covers.

***Use the LEFT rear door stop holder and LEFT rear holder "J" (on picture) on LEFT side of the roller cage.
YOU CAN'T MAKE MISTAKE BETWEEN LEFT AND RIGHT PARTS, IF YOU MAKE MISTAKE,
YOU ARE GOING TO HAVE BIG PROBLEM WITH DOOR STOP ADJUSTING!***

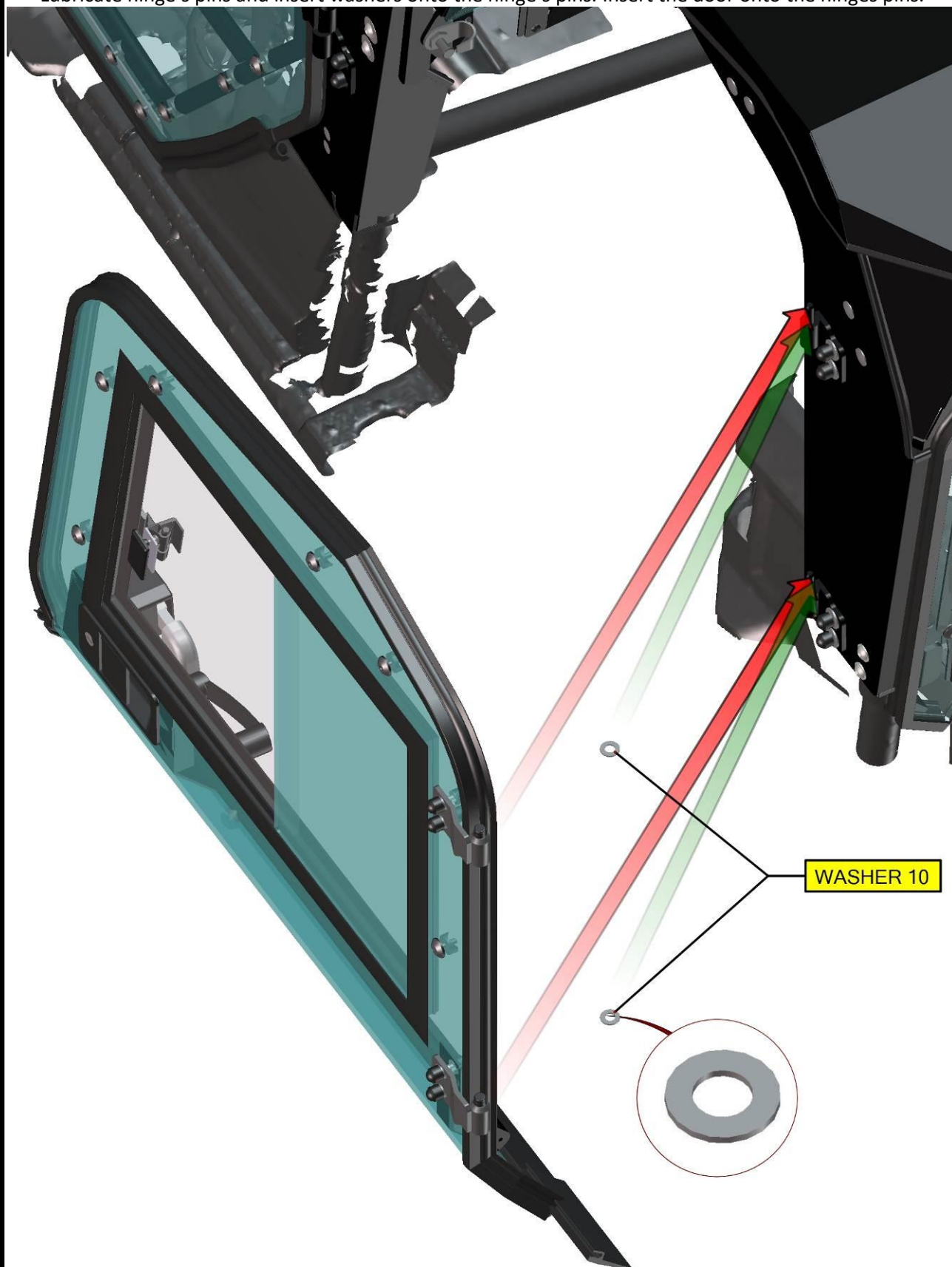


Adjust the middle rear panel's epdm to better position.
Loosen the nuts and washers and place the rear door stop assembly with holders to the roller cage.

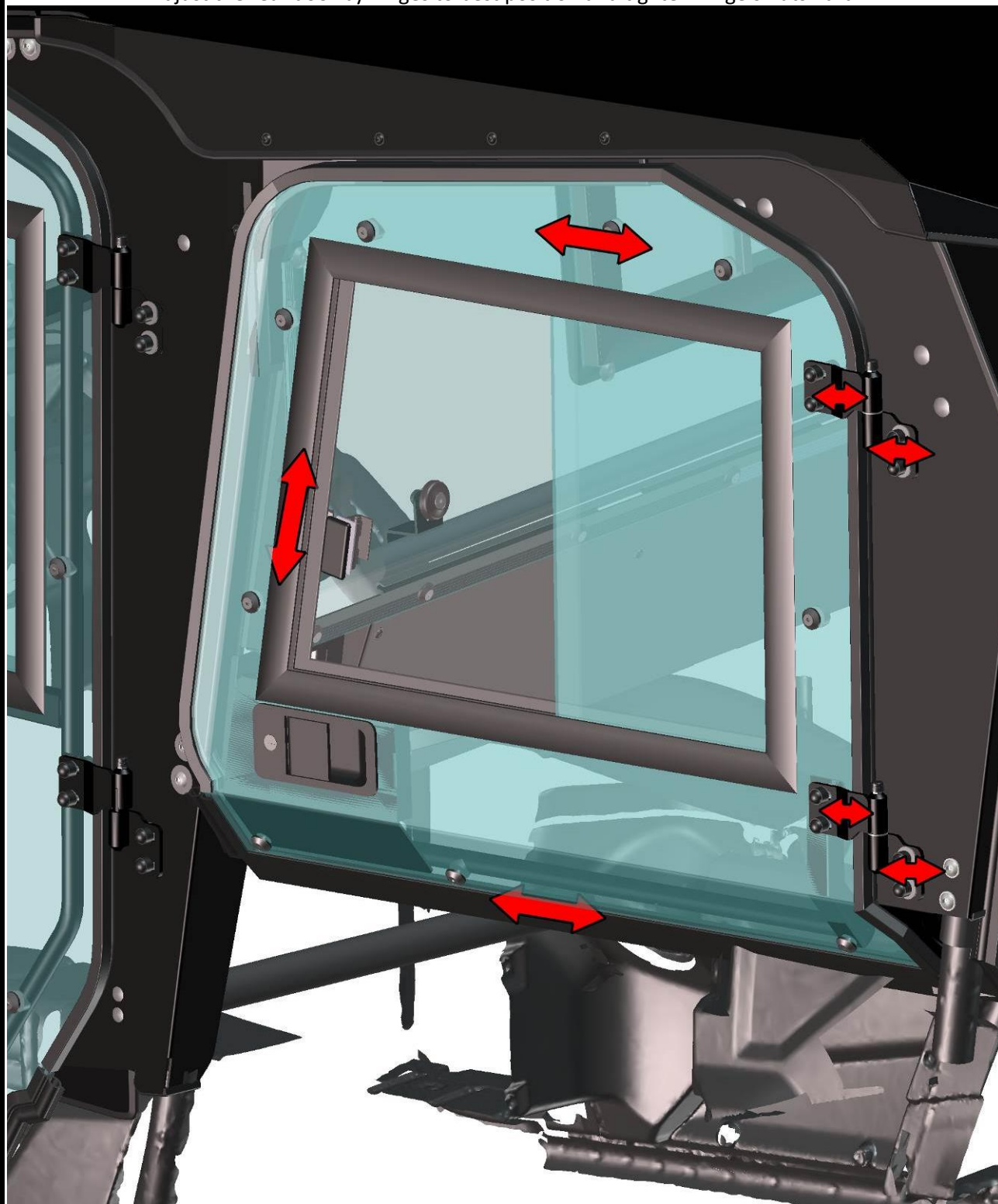


114

Lubricate hinge's pins and insert washers onto the hinge's pins. Insert the door onto the hinges pins.

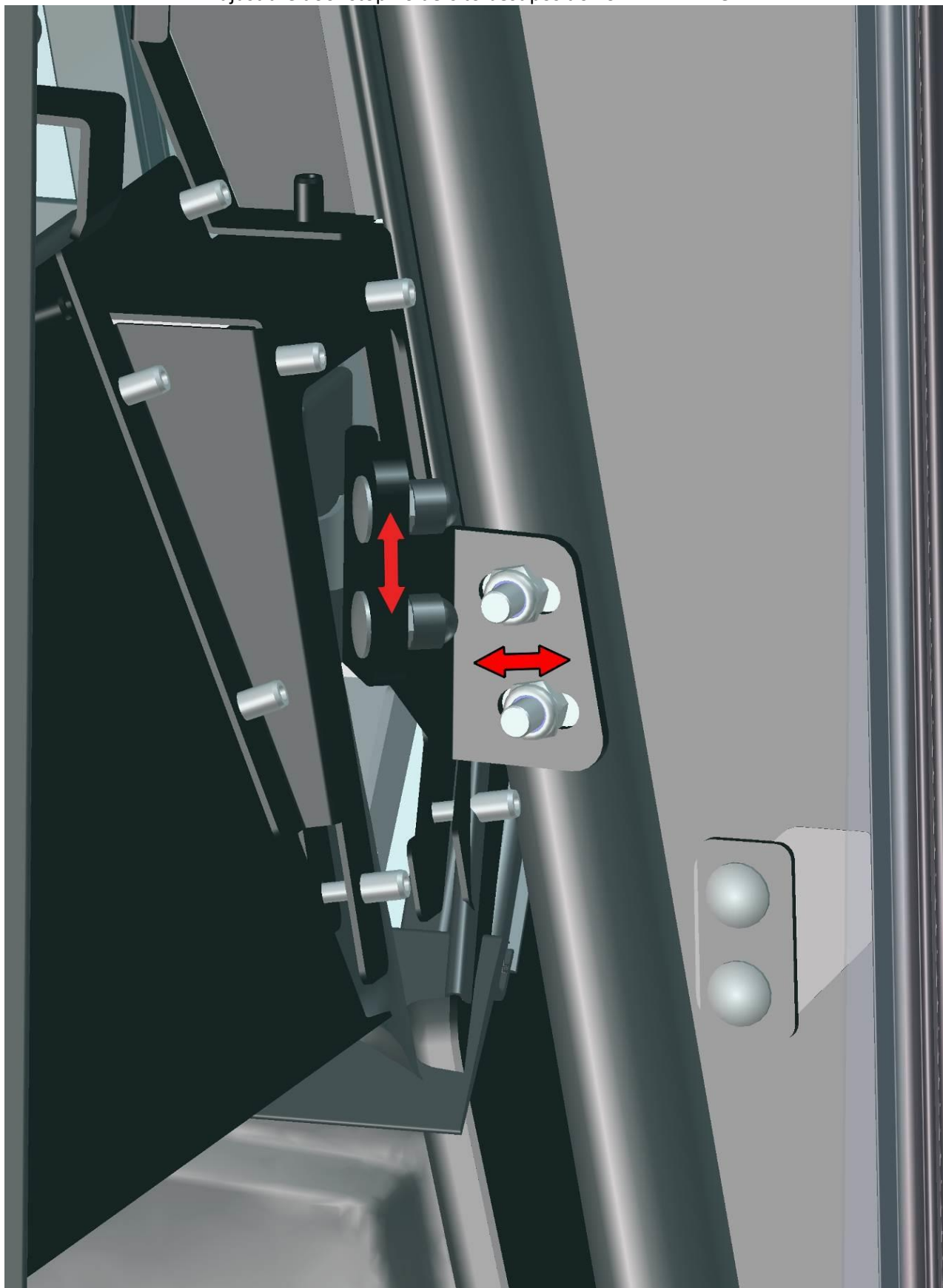


Adjust the rear door by hinges to best position and tighten hinge's nuts hard.



116

Adjust the door stop holders to best position SEE NEXT PAGE.

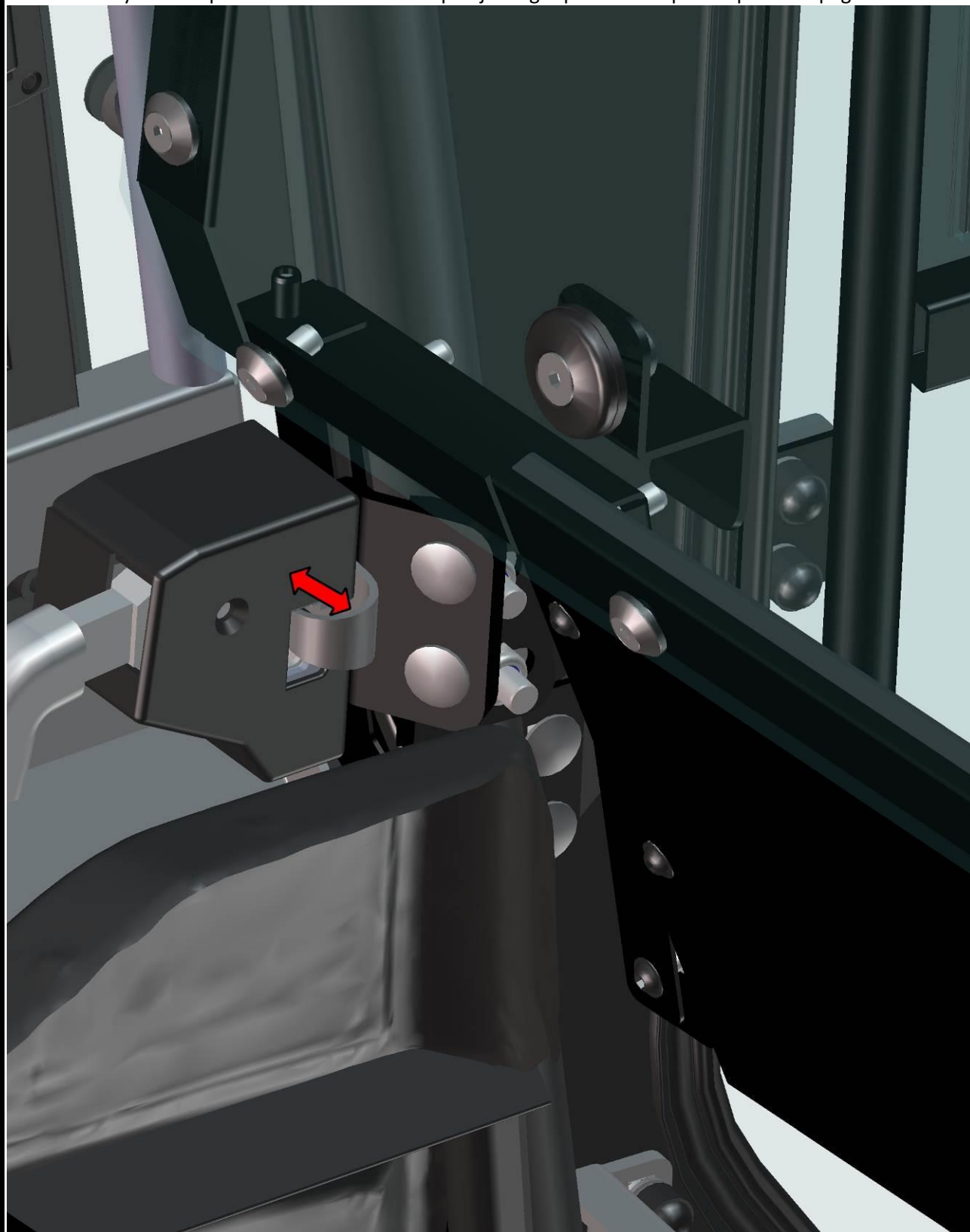


117

Adjust the door stop to best position.

If you close the door slowly and door stop adjusted correctly, you can hear 2 clear metallic click.

If you have problem with the door stop adjusting repeat the step from previous pages.



Repeat previous steps with right door and right parts. Tighten door's screws and nuts correctly.