

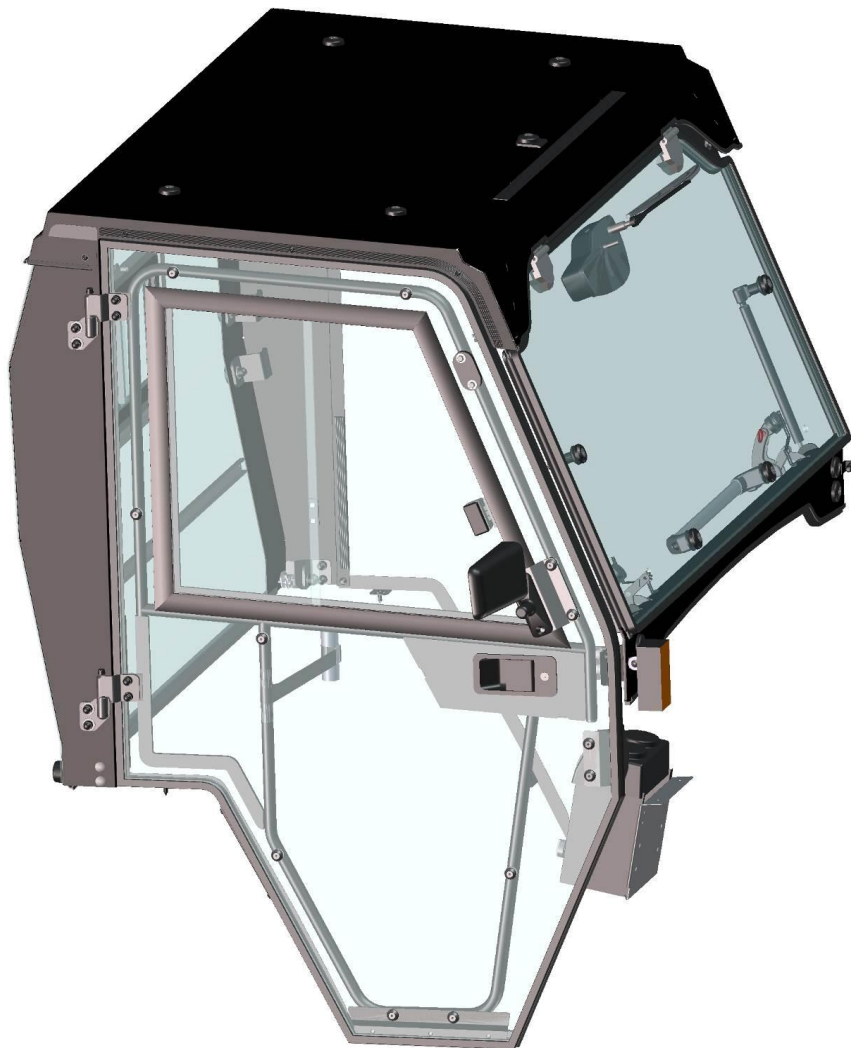


A DFK AMERICA COMPANY

INSTALLATION INSTRUCTIONS

CUSHMAN

1600 XD



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.***

Please be careful not to break the plastic washers, if you're tightening screws with plastic washers use max torque of 3.7 foot-pound force (5 Nm)!!!

WARNING: For safety purposes, if the DFK Cab doors are removed, it is mandatory that the OEM manufactured Half Doors or Nets are **REINSTALLED** before operating the 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 cab 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 17 mm
(0,67 in)**



**Socket beg 13 mm
(0,51 in)**



For tightening straps

**Socket beg 8 mm
(0,31 in)**



**Metric wrench 13mm,
17mm**



Hex key 5 and 6mm



Utility knife



**Drill ø 8mm
(0,31-0,33 in)**



**Drill ø 12 mm
(0,5 in)**

PREPARATION FOR INSTALLATION:

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

Uninstall the rear plastic snorkel (blue circle) from the UTV body.



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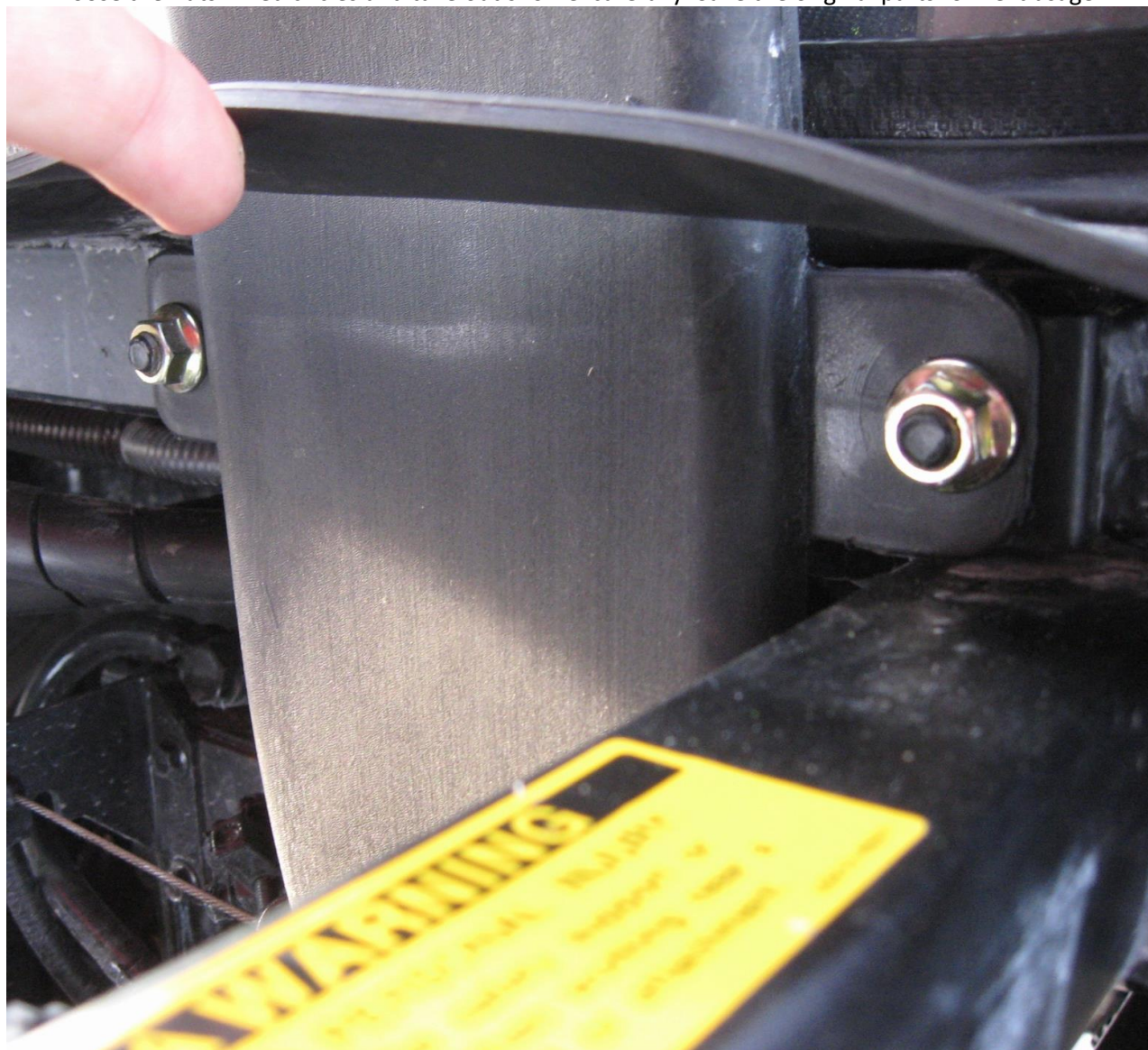
SEE NEXT PAGE

Loose the original tightening strap from the plastic tube.



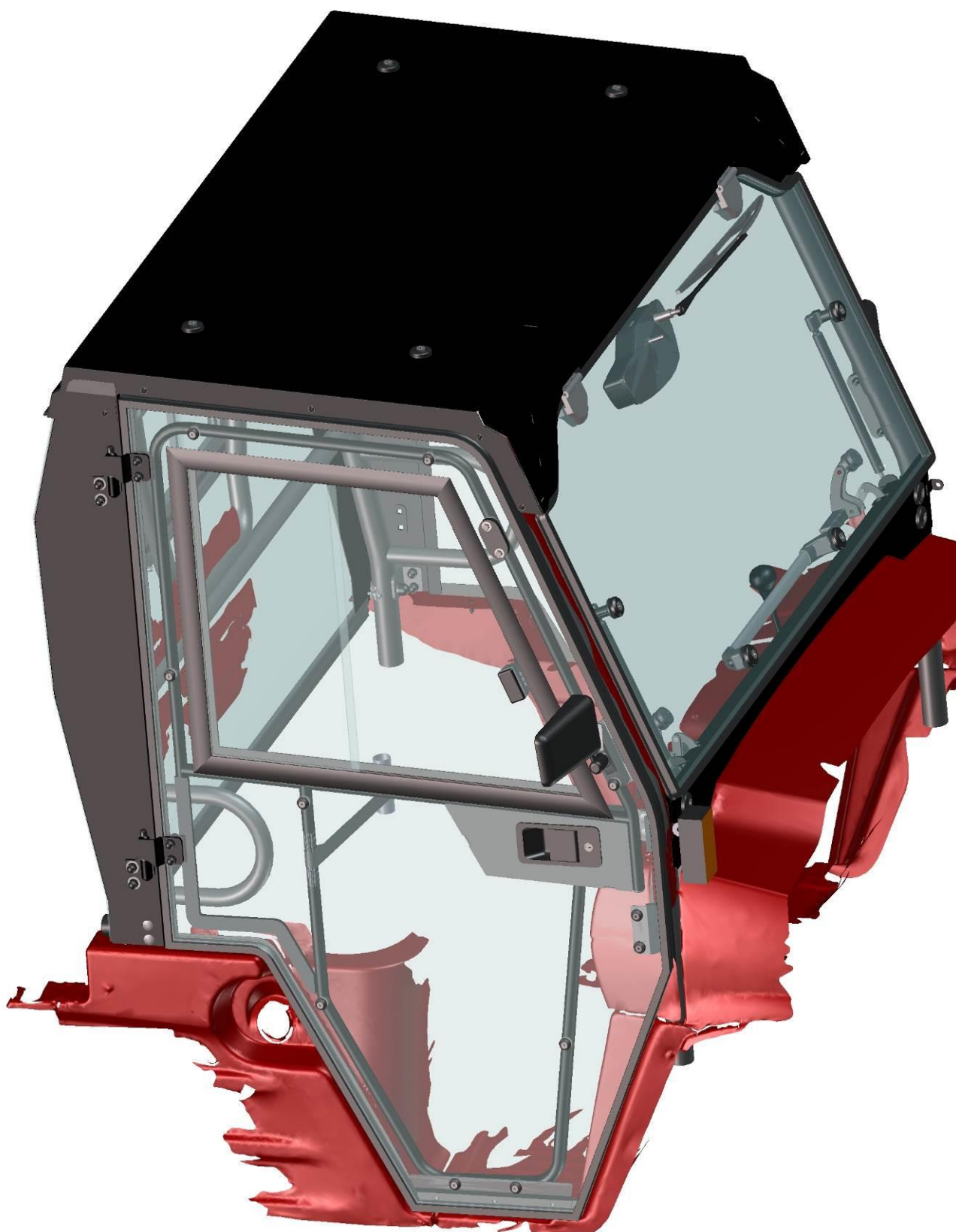
6

Loose the nuts in red circles and take out snorkel carefully. Save the original parts for next usage.



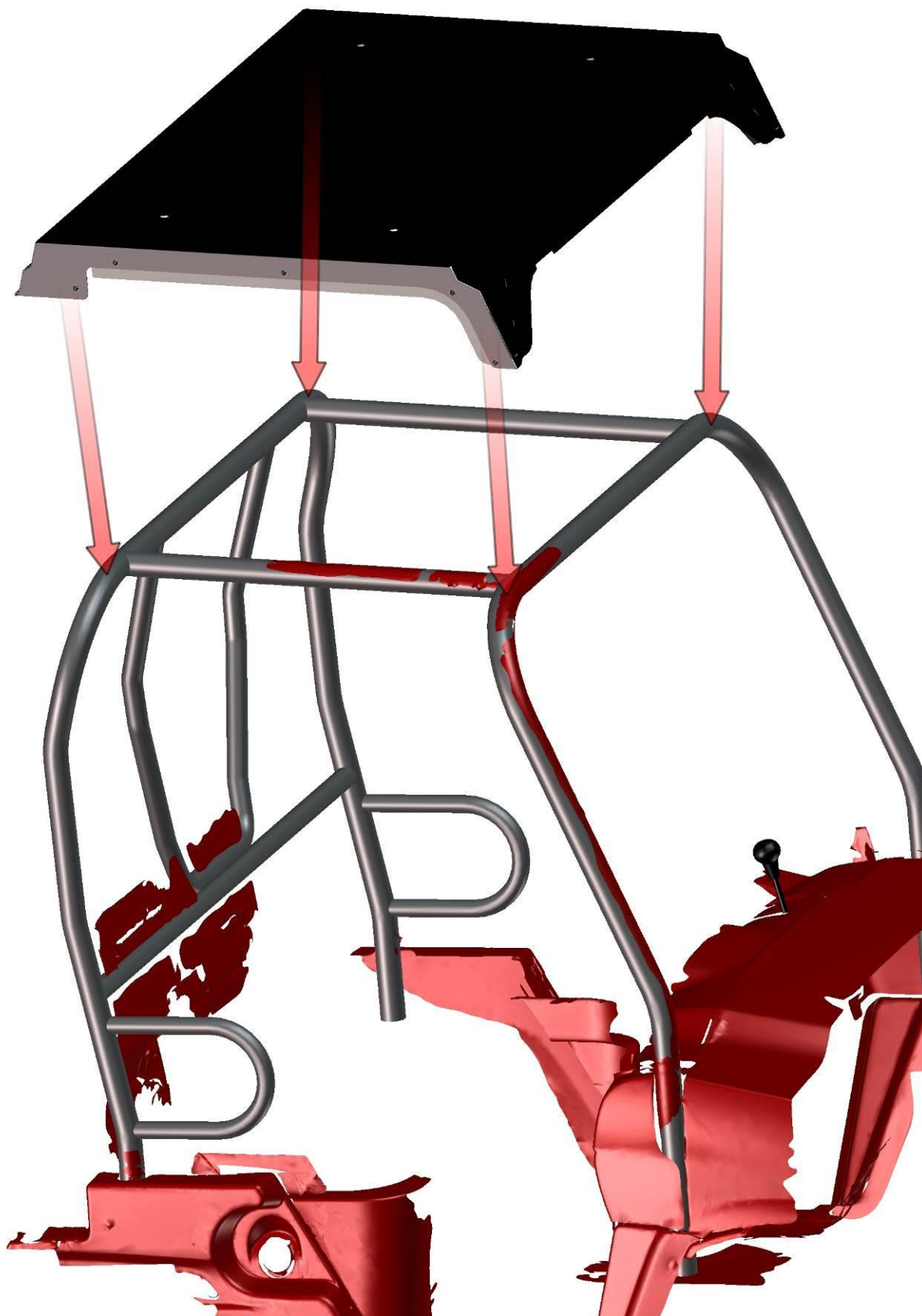
7

CAB PREVIEW

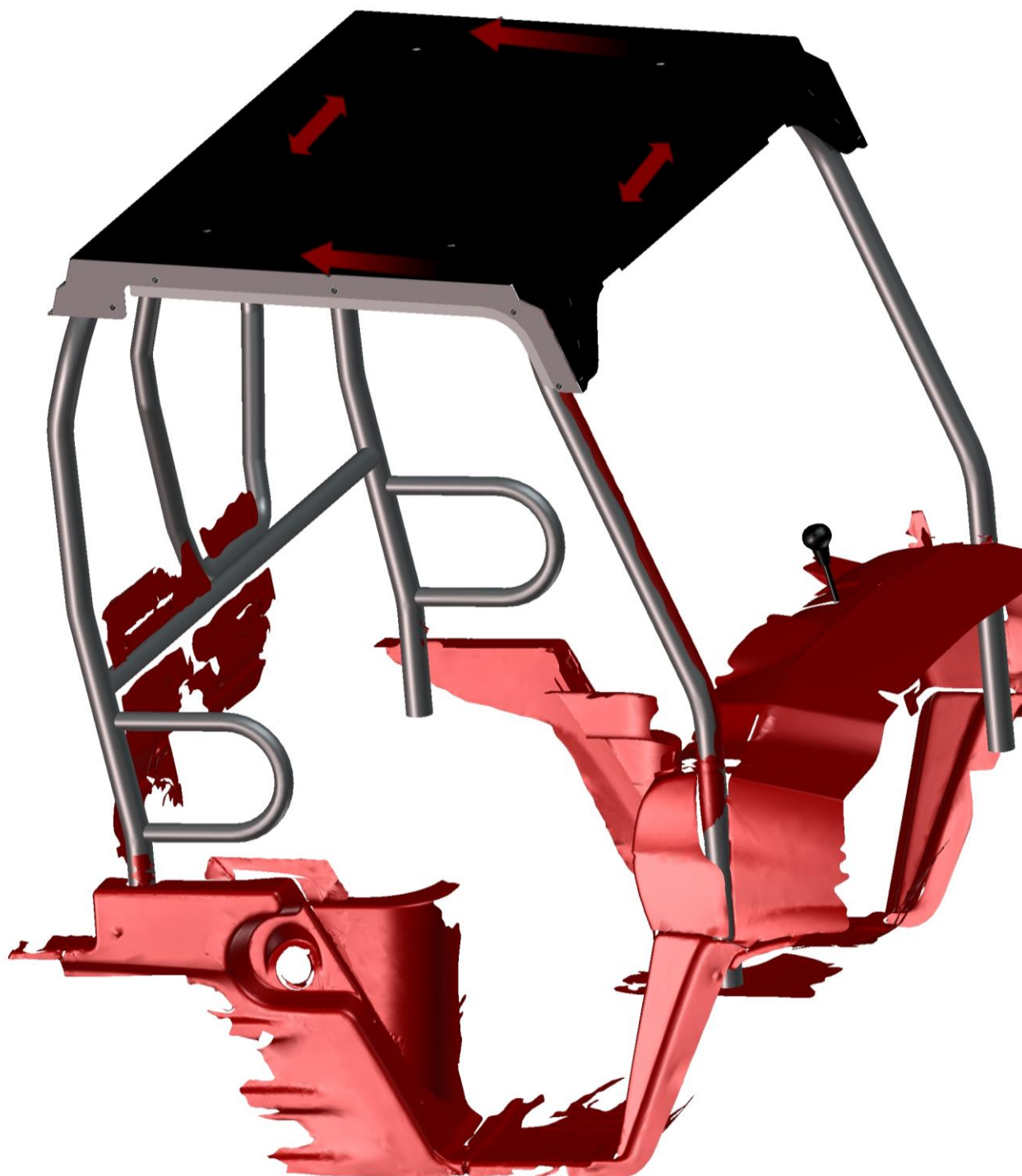


ROOF 1.

Place the roof onto the roller cage.



Adjust the roof assembly to the best position.



10

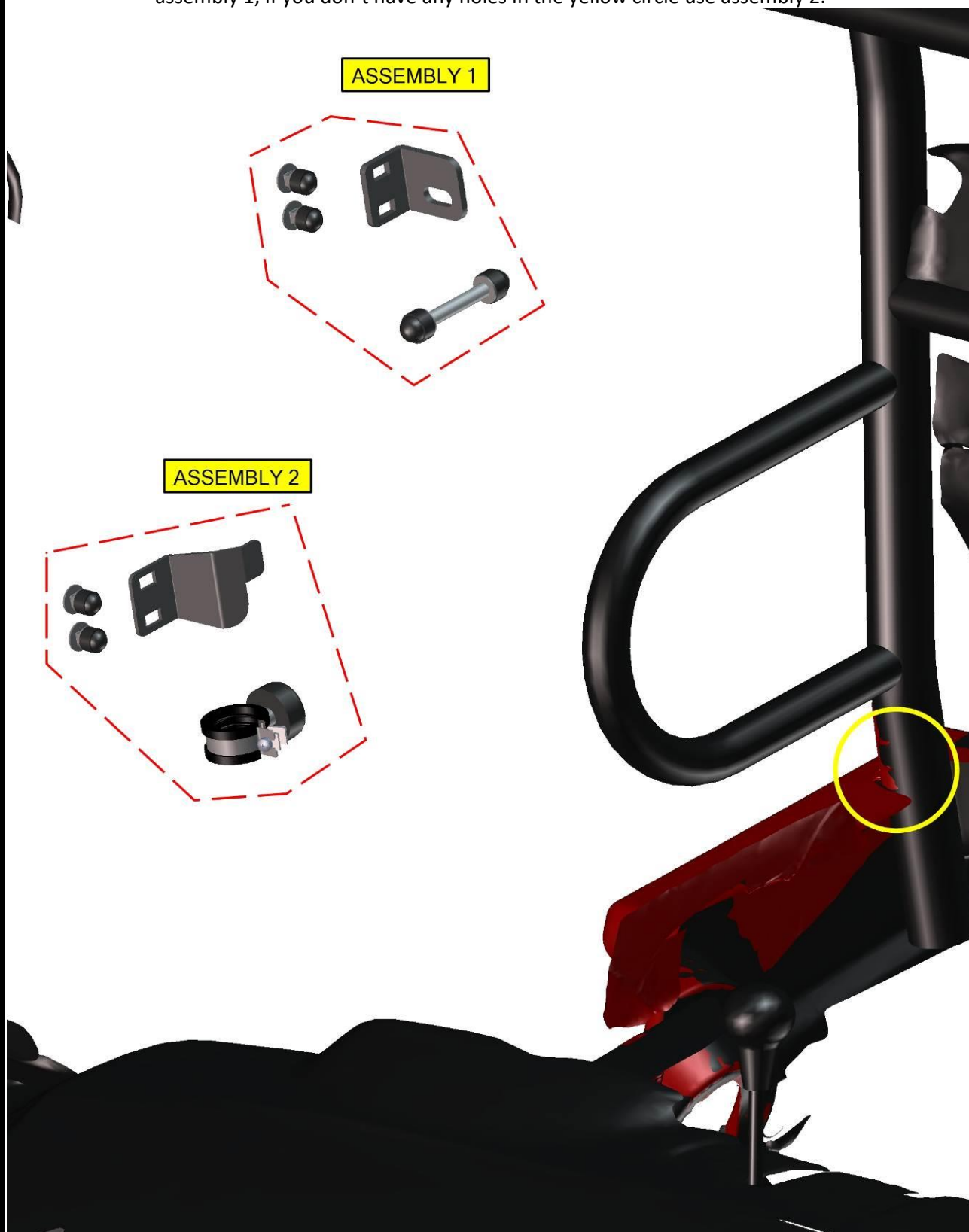
REAR PANEL

You can have 2 different type of the UTV roller cage. Look to the rear bottom parts of the roller cage. If you have original hole through the roller cage in the yellow circle (on both sides), you have to use assembly 1, if you don't have any holes in the yellow circle use assembly 2.

ASSEMBLY 1

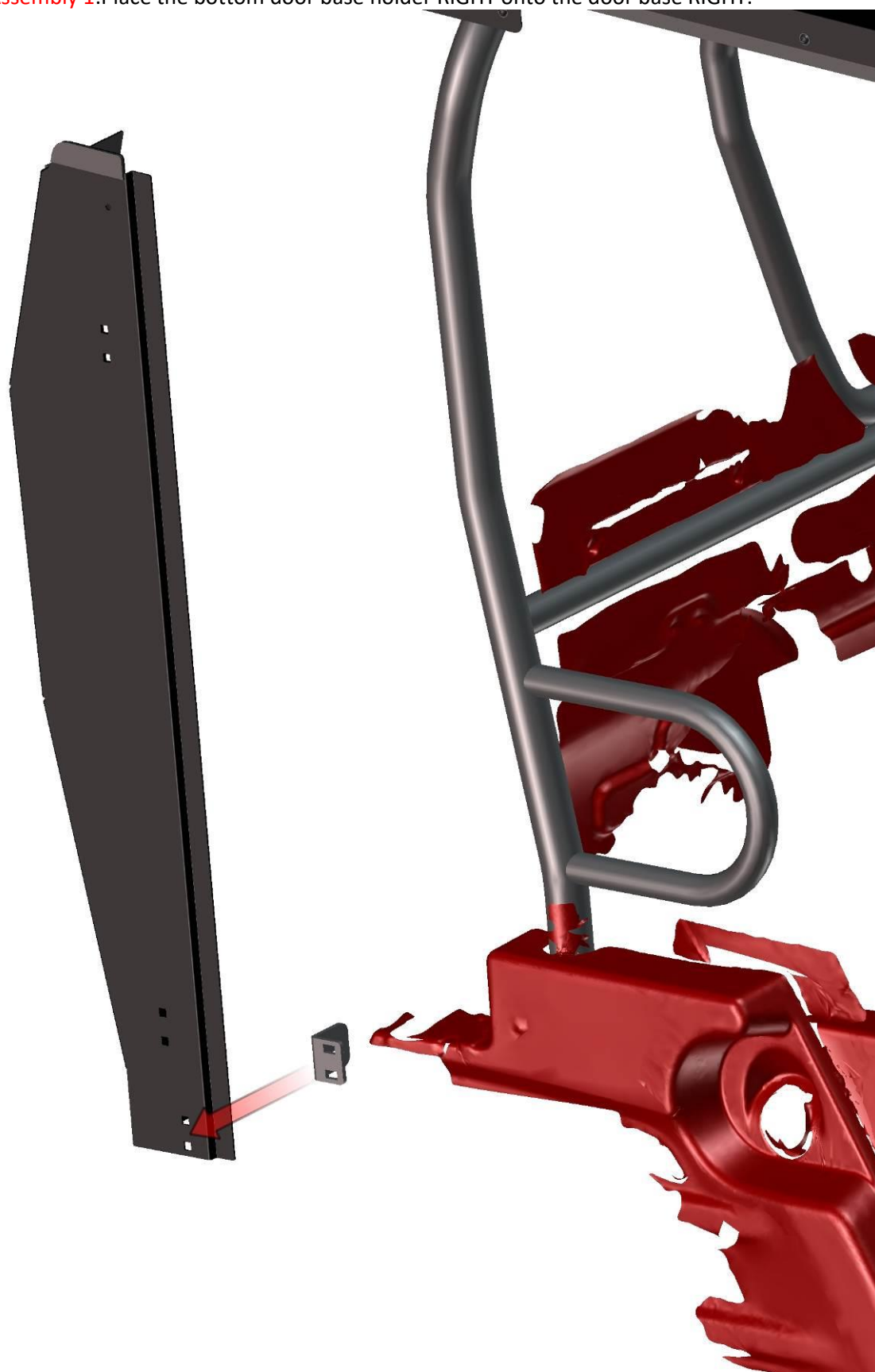


ASSEMBLY 2



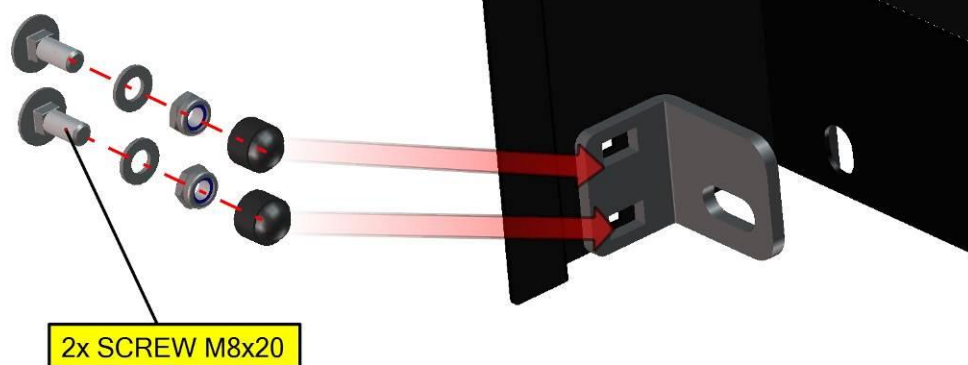
11

Assembly 1: Place the bottom door base holder RIGHT onto the door base RIGHT.



12

Assembly 1: Fix the holder with the base by screws, washers, nuts and covers.

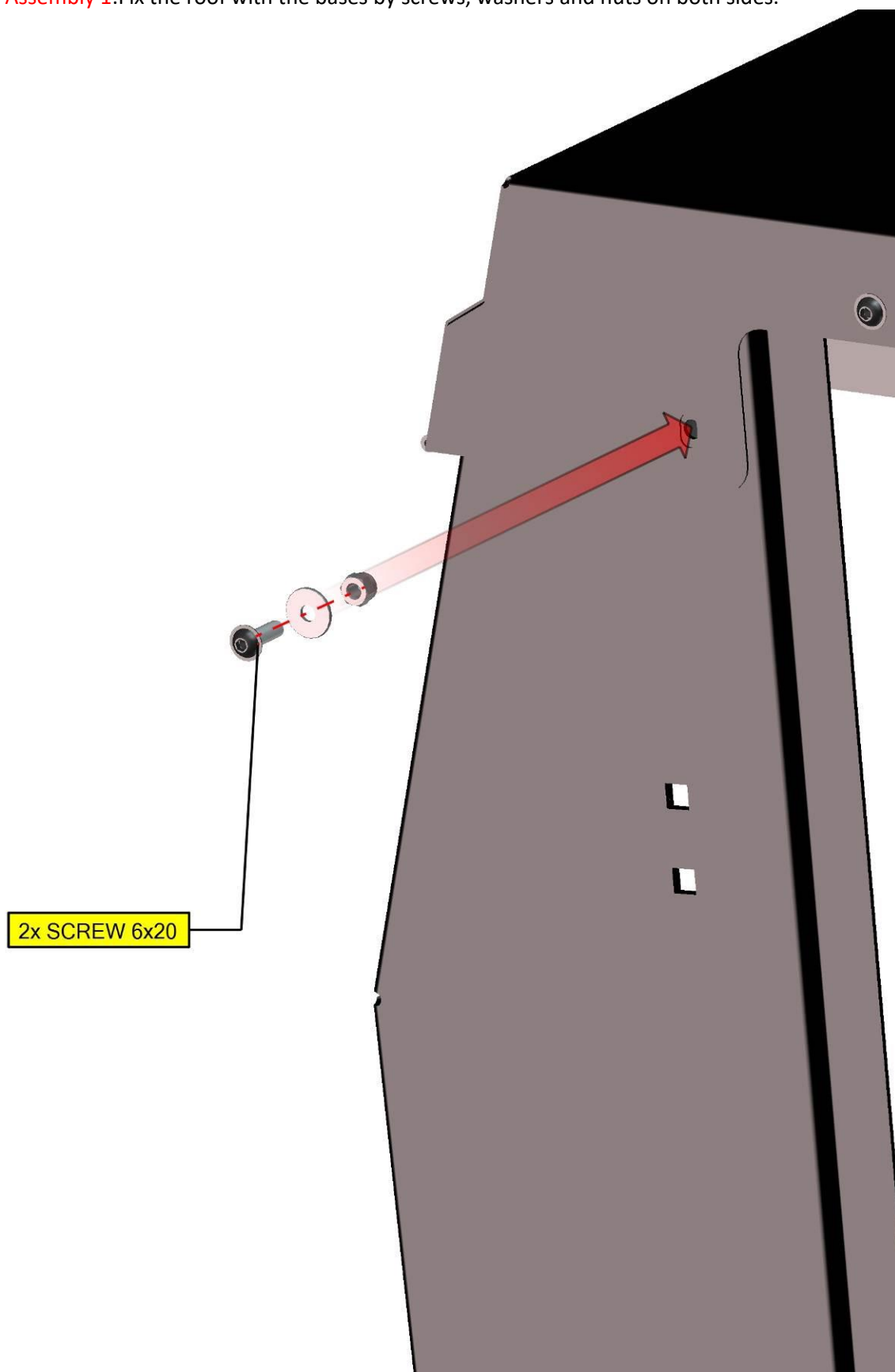


Assembly 1: Place the door base onto the roller cage and insert under the roof.
Repeat previous steps with LEFT door base and LEFT holder.



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Assembly 1: Fix the roof with the bases by screws, washers and nuts on both sides.

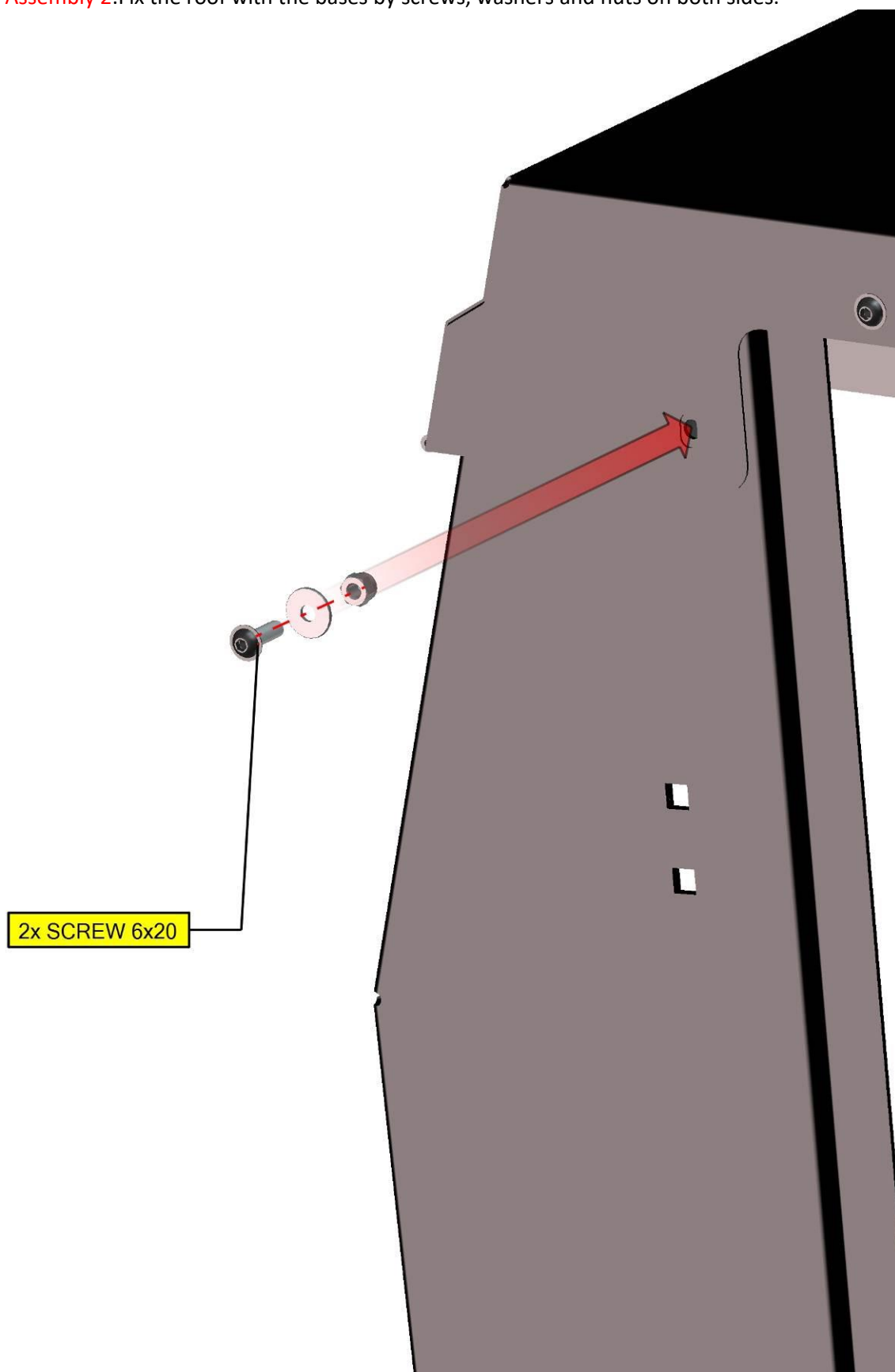


Assembly 2: Place the door base onto the rooler cage and move the base under the roof on both sides.



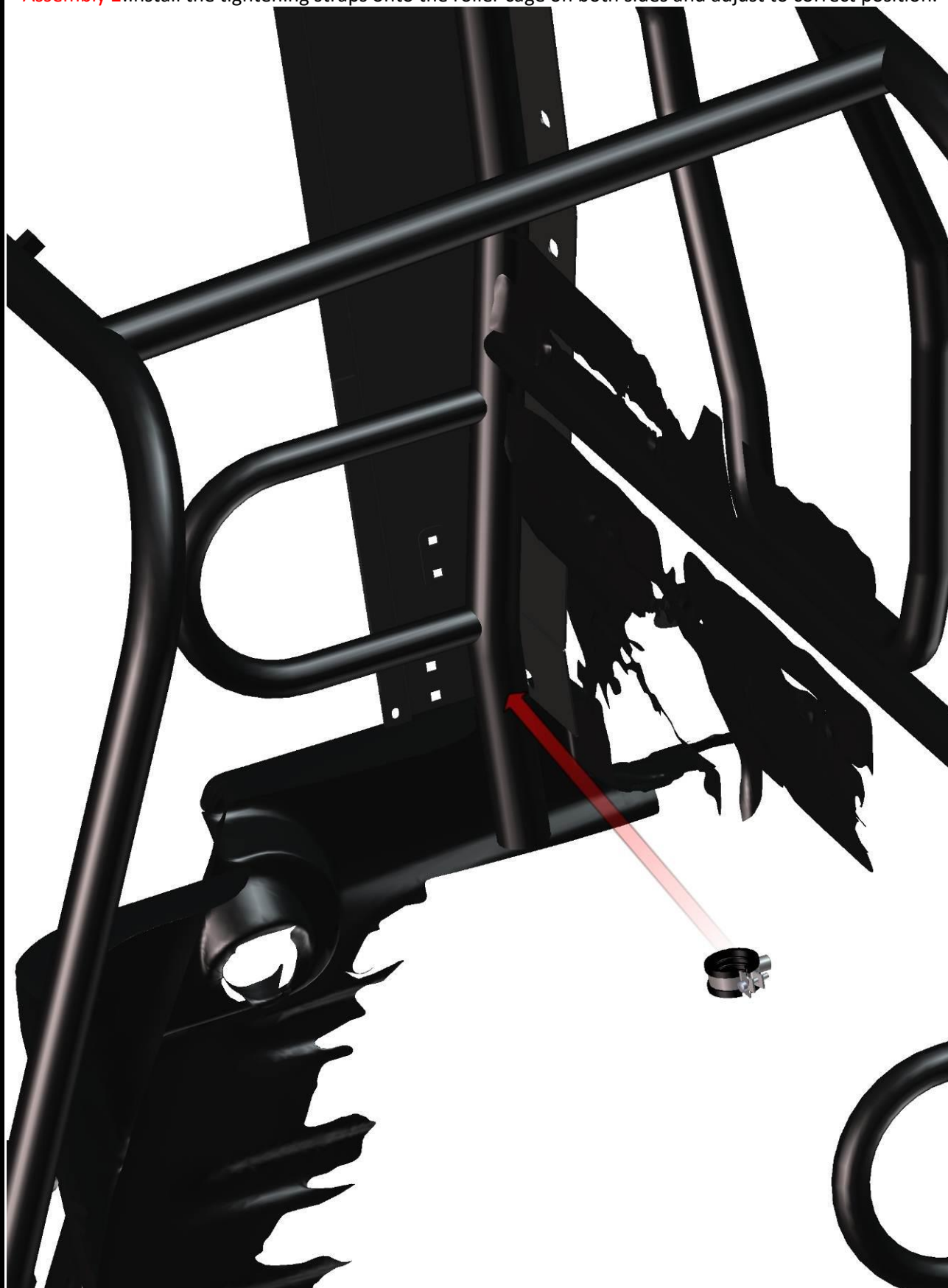
16

Assembly 2: Fix the roof with the bases by screws, washers and nuts on both sides.



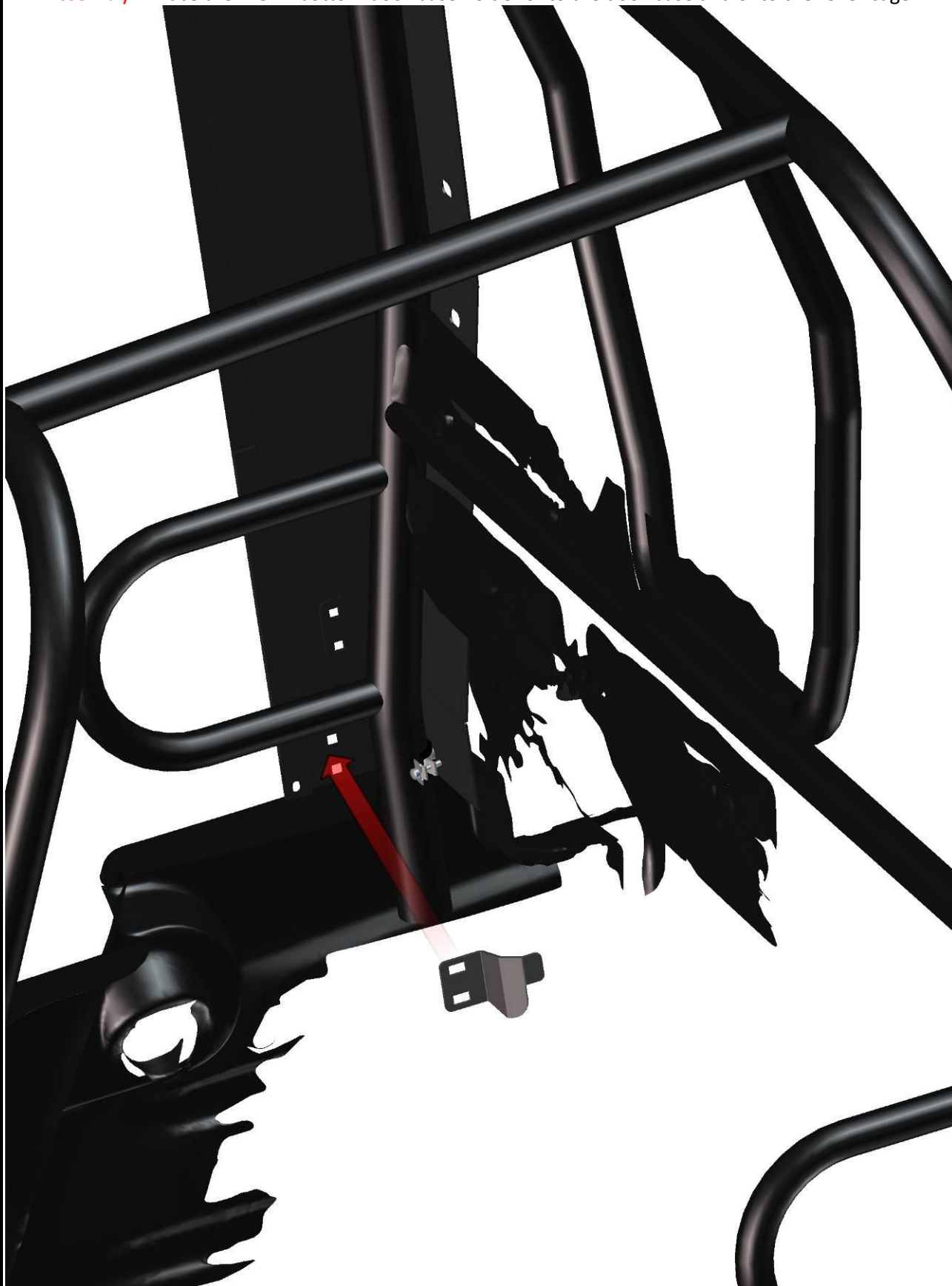
17

Assembly 2: Install the tightening straps onto the roller cage on both sides and adjust to correct position.



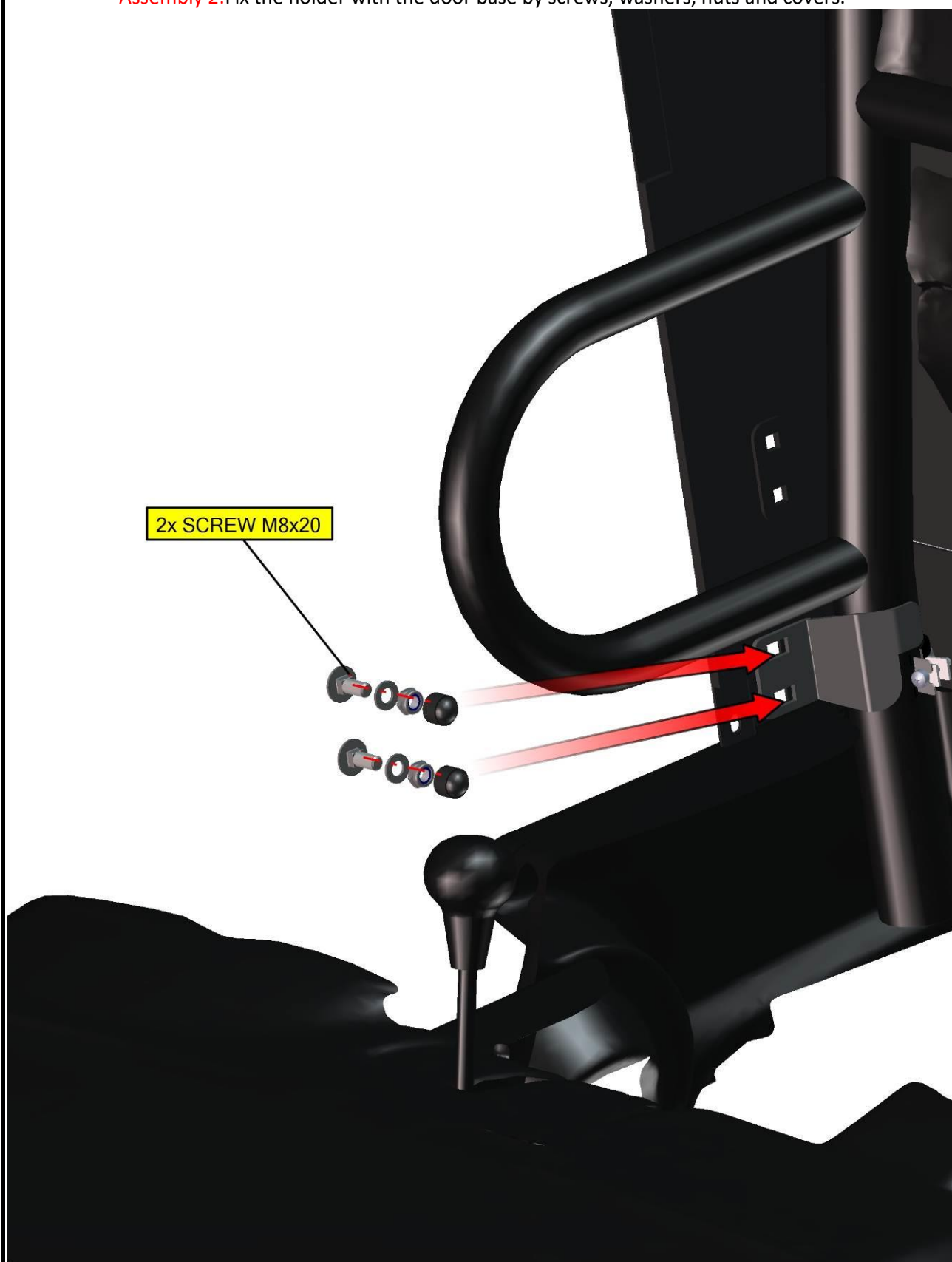
18

Assembly 2: Place the RIGHT bottom door base holder onto the door base and onto the roller cage.



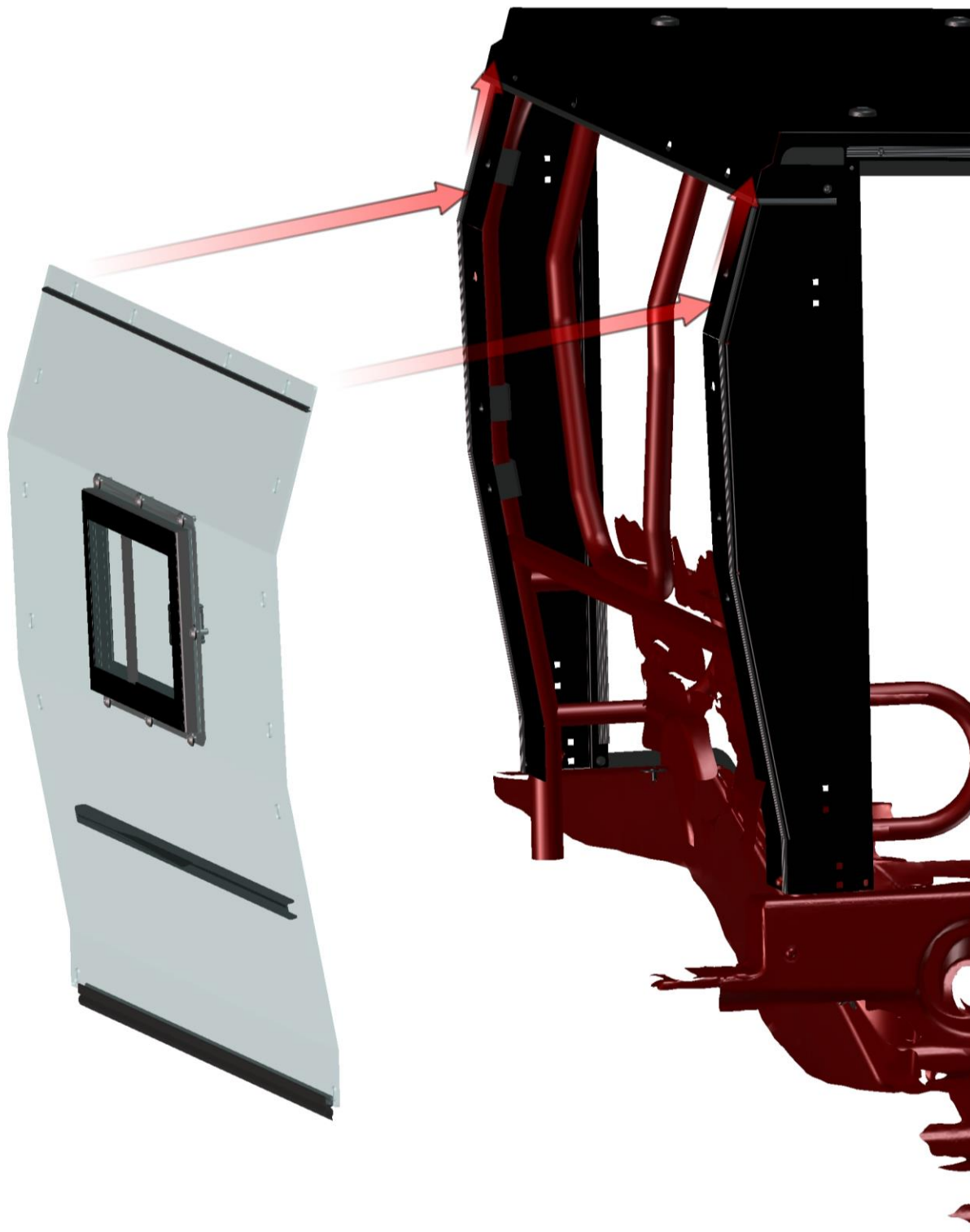
19

Assembly 2: Fix the holder with the door base by screws, washers, nuts and covers.



Repeat previous steps on the left side.

Both assemblies: Place the rear window poly onto the bases and insert the window under the roof.



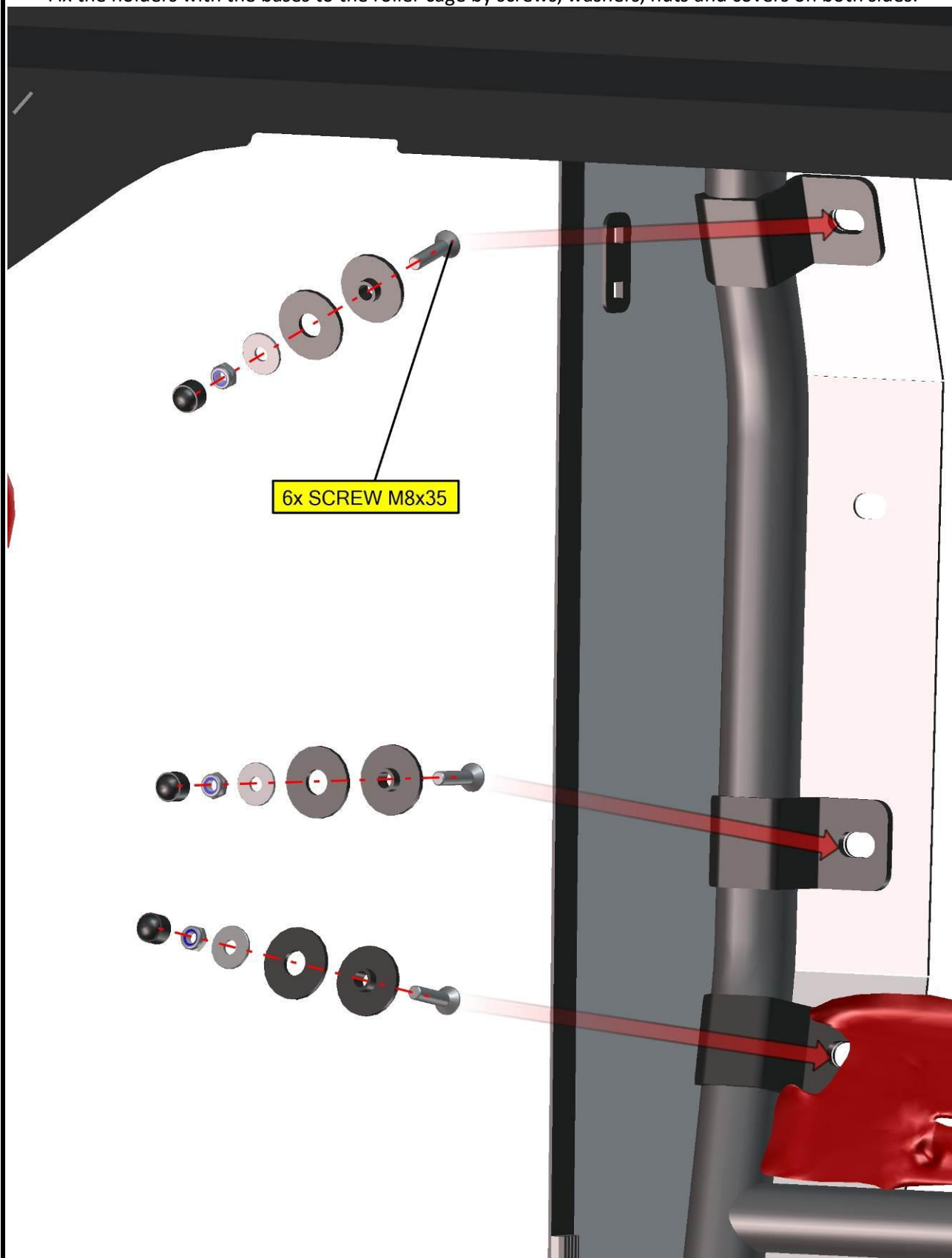
Both assemblies: Place the door base's holders onto the door bases and onto the roller cage on both sides.



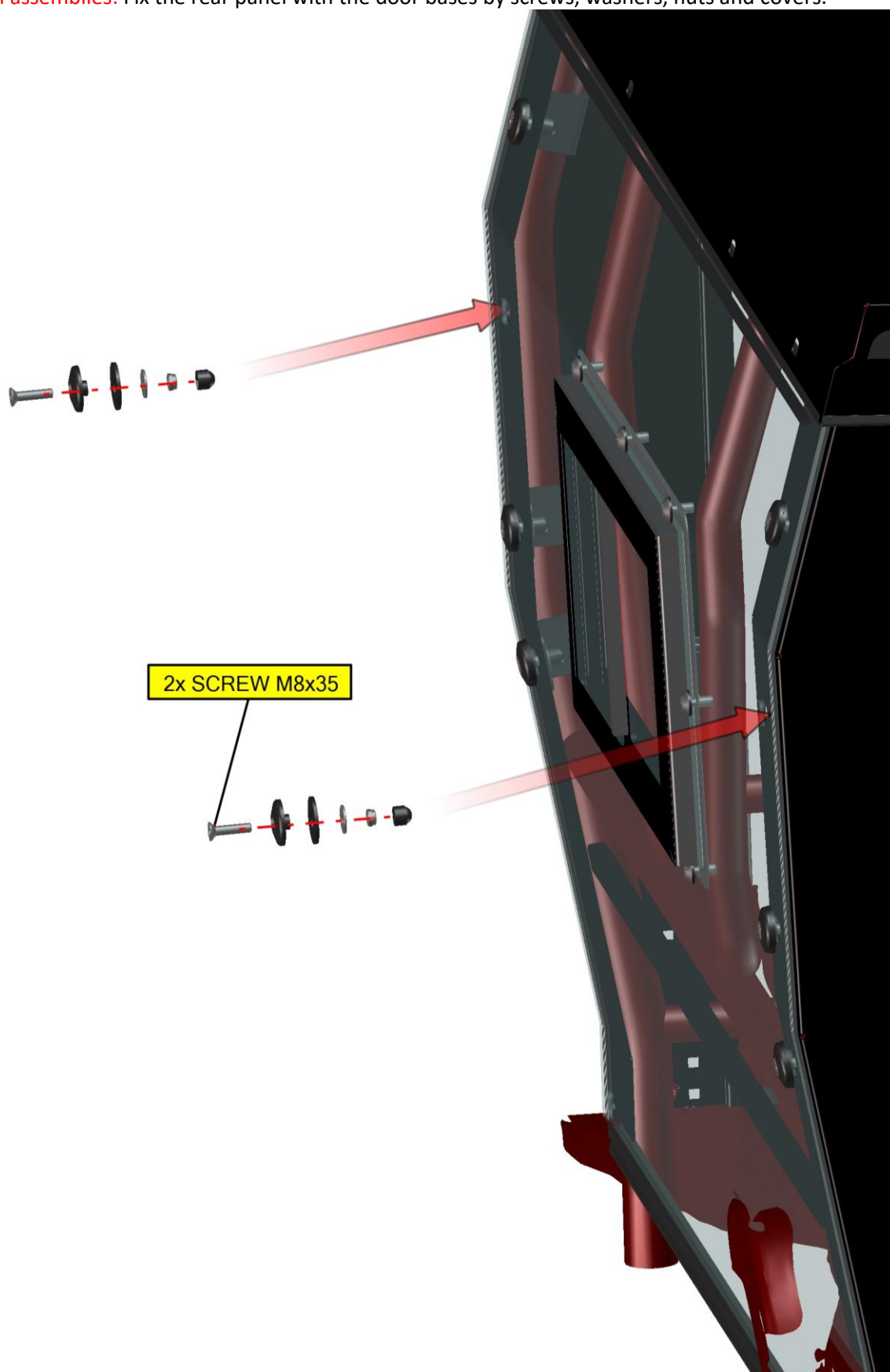
22

Both assemblies:

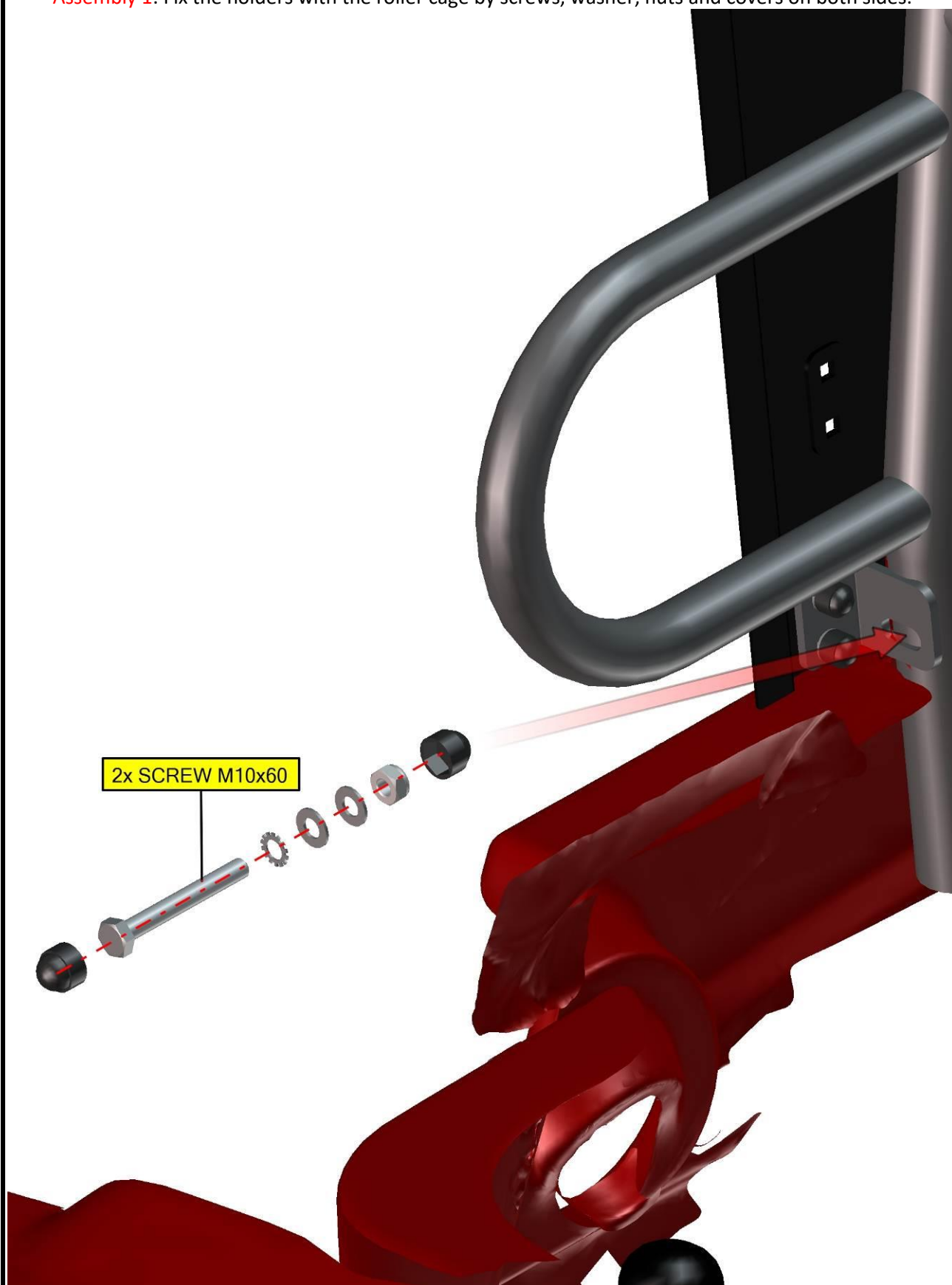
Fix the holders with the bases to the roller cage by screws, washers, nuts and covers on both sides.



Both assemblies: Fix the rear panel with the door bases by screws, washers, nuts and covers.

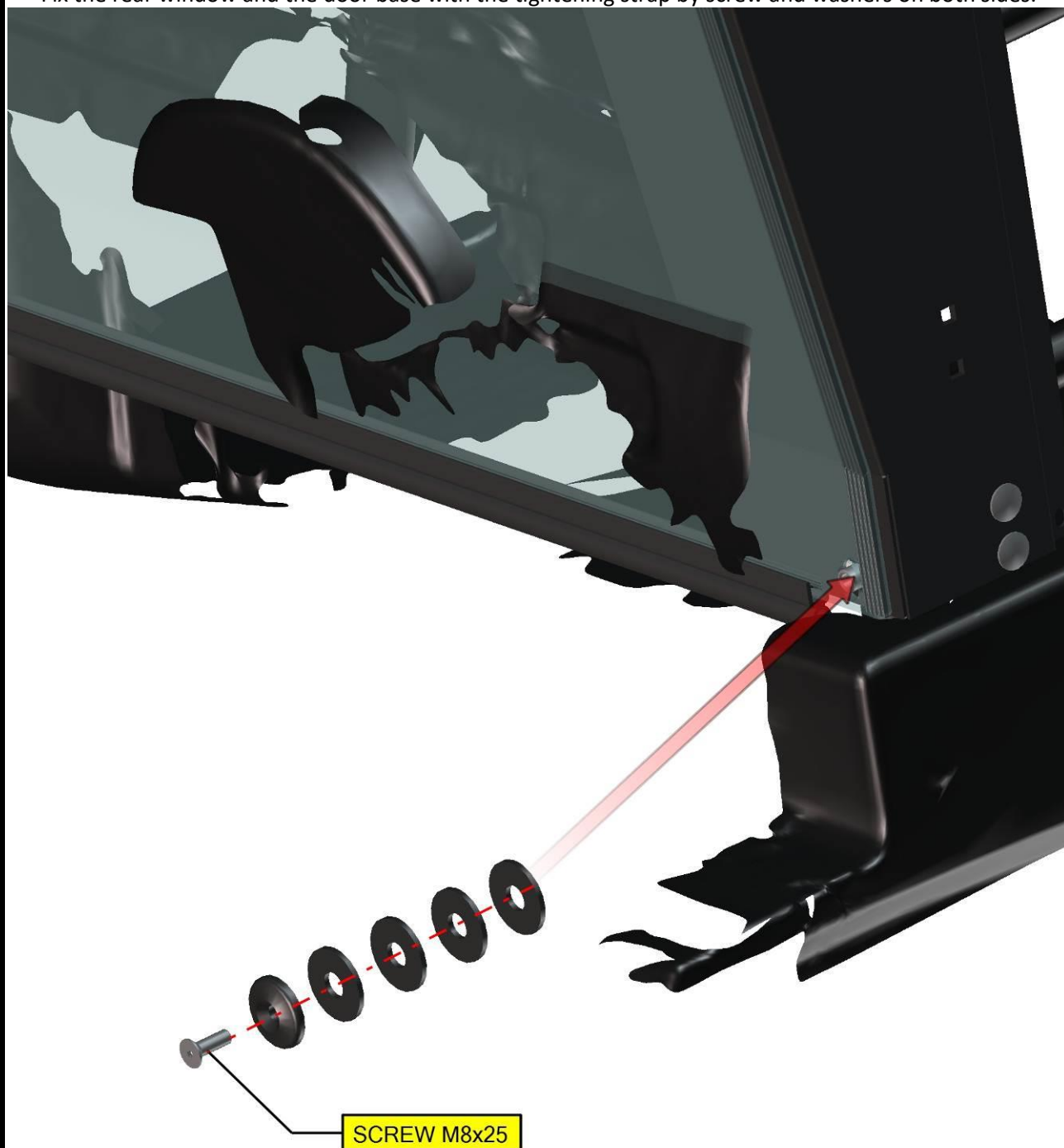


Assembly 1: Fix the holders with the roller cage by screws, washer, nuts and covers on both sides.



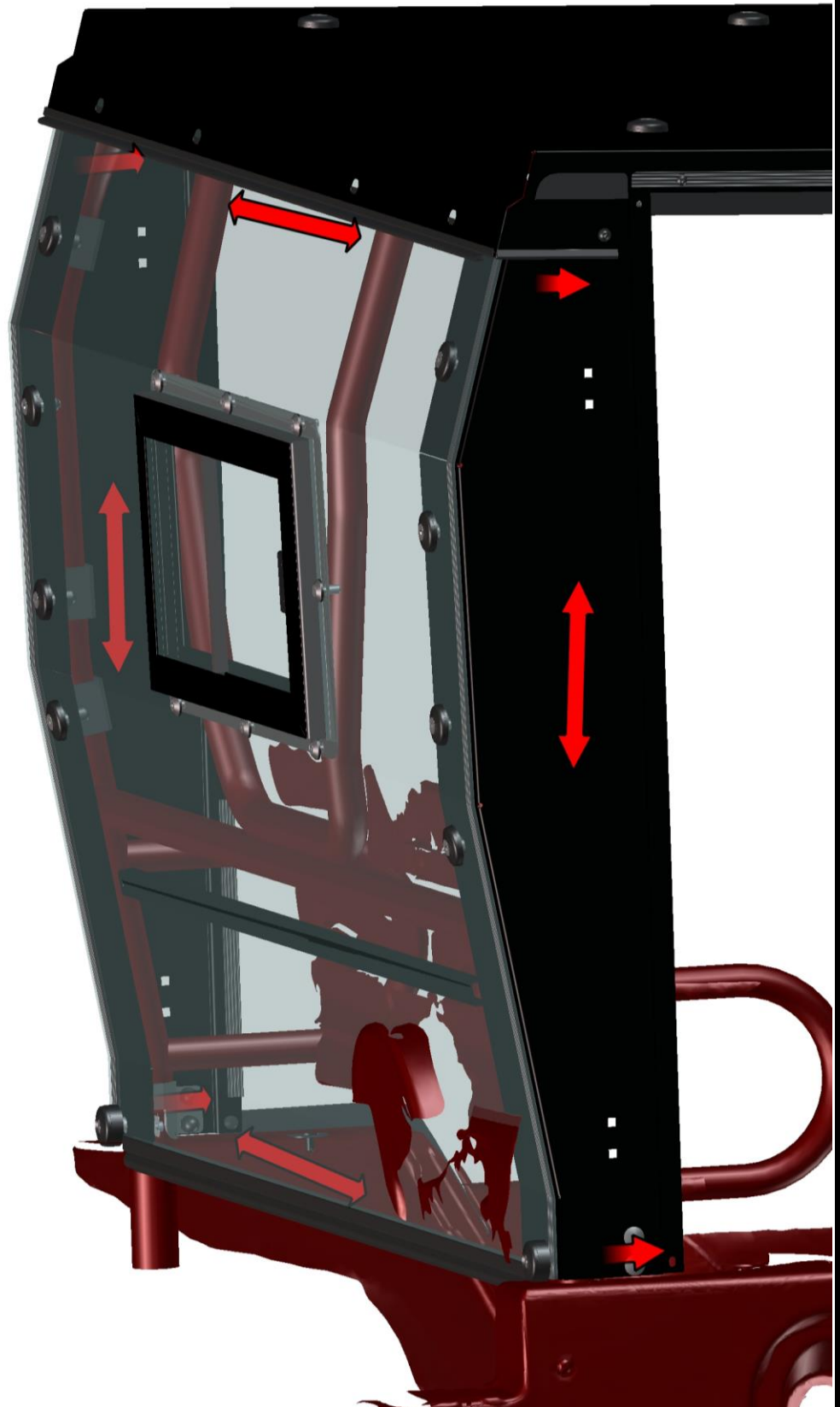
Assembly 2:

Fix the rear window and the door base with the tightening strap by screw and washers on both sides.

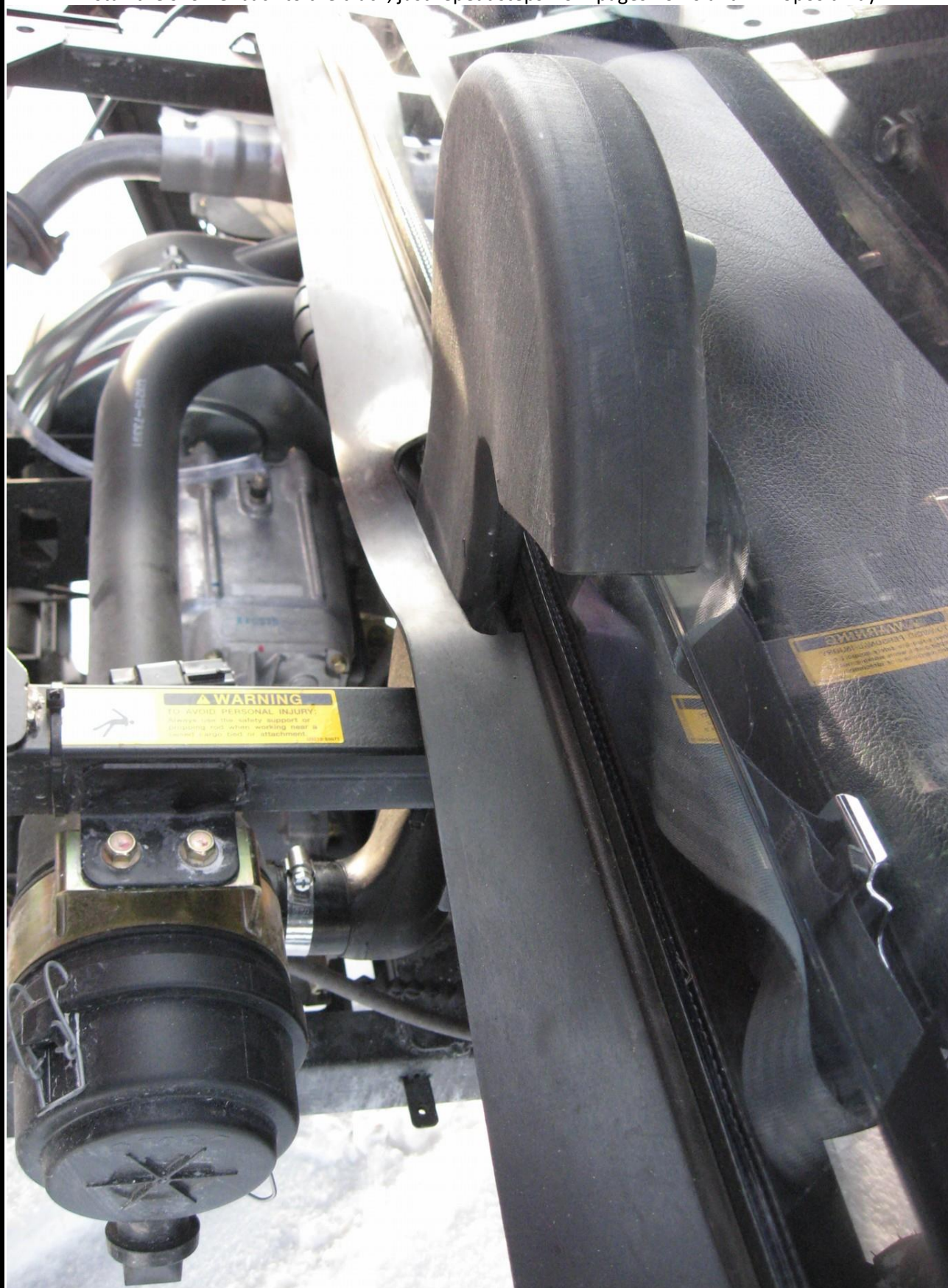


26

Adjust the rear panel and rear window to best position and tighten nuts and screws hard.
Please be careful not to break the plastic washers, if you are tightening screws with plastic washers use
maximal power 3,7 foot-pound force (5 Nm)!!!



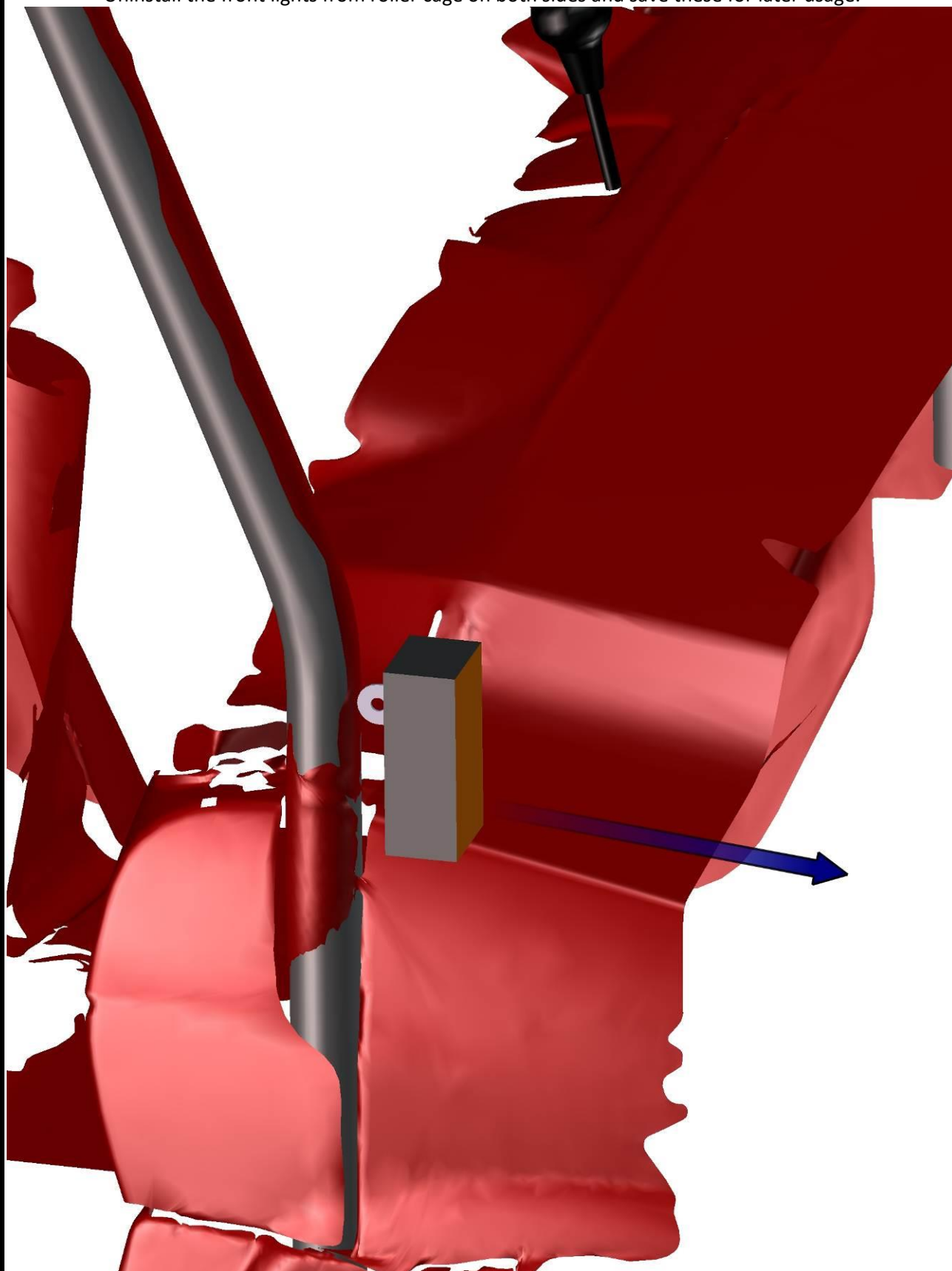
Install the snorkel back to the truck, just repeat steps from pages no.: 6 and 7 in oposit way.



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FRONT PANEL 1.

Uninstall the front lights from roller cage on both sides and save these for later usage.

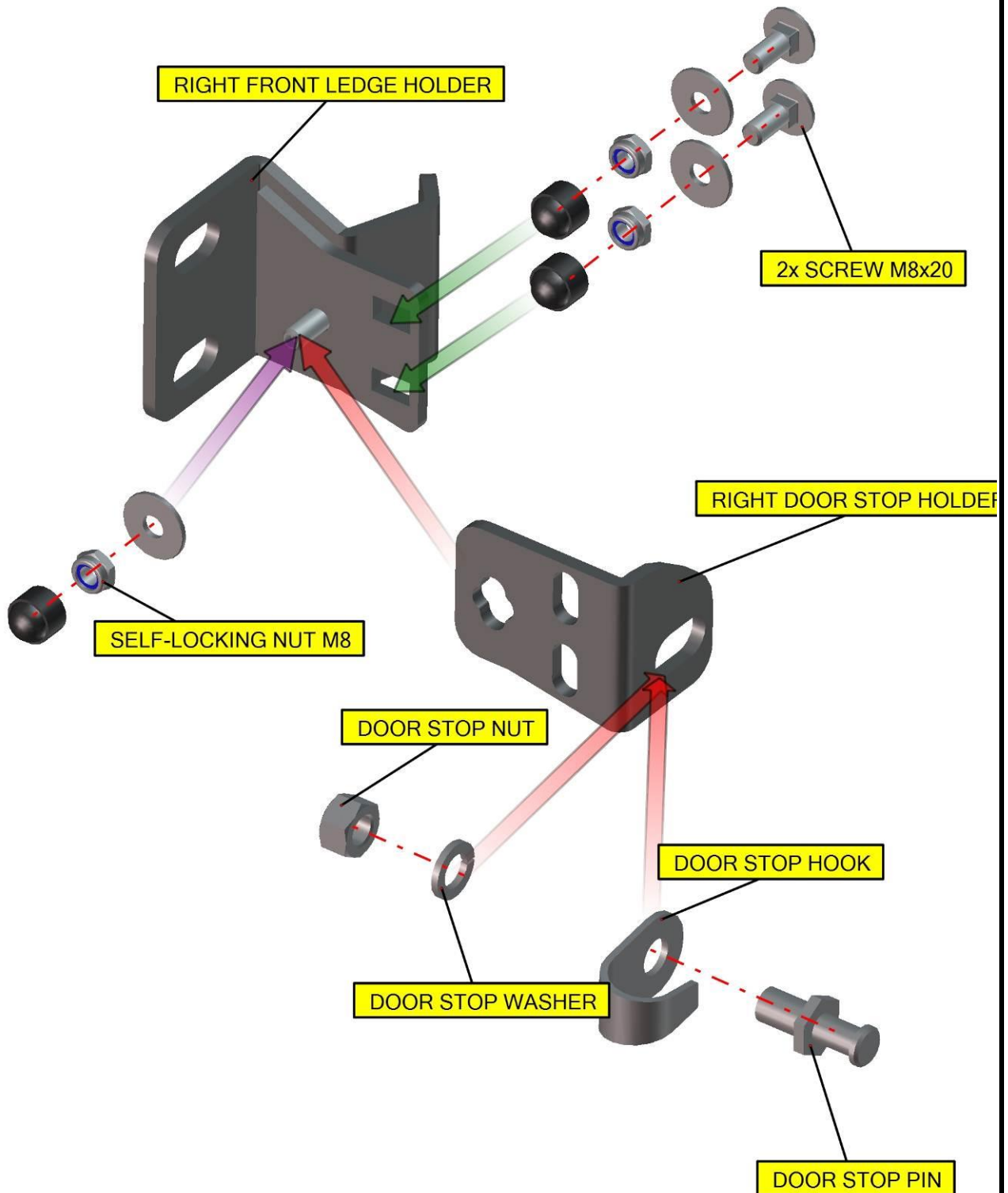


29

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 ledge holder (left or right).

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

Use the right door stop holder and right front ledge holder (on picture) on right 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!



Place the front upper ledge onto the roller cage and press the ledge to the dashboard.



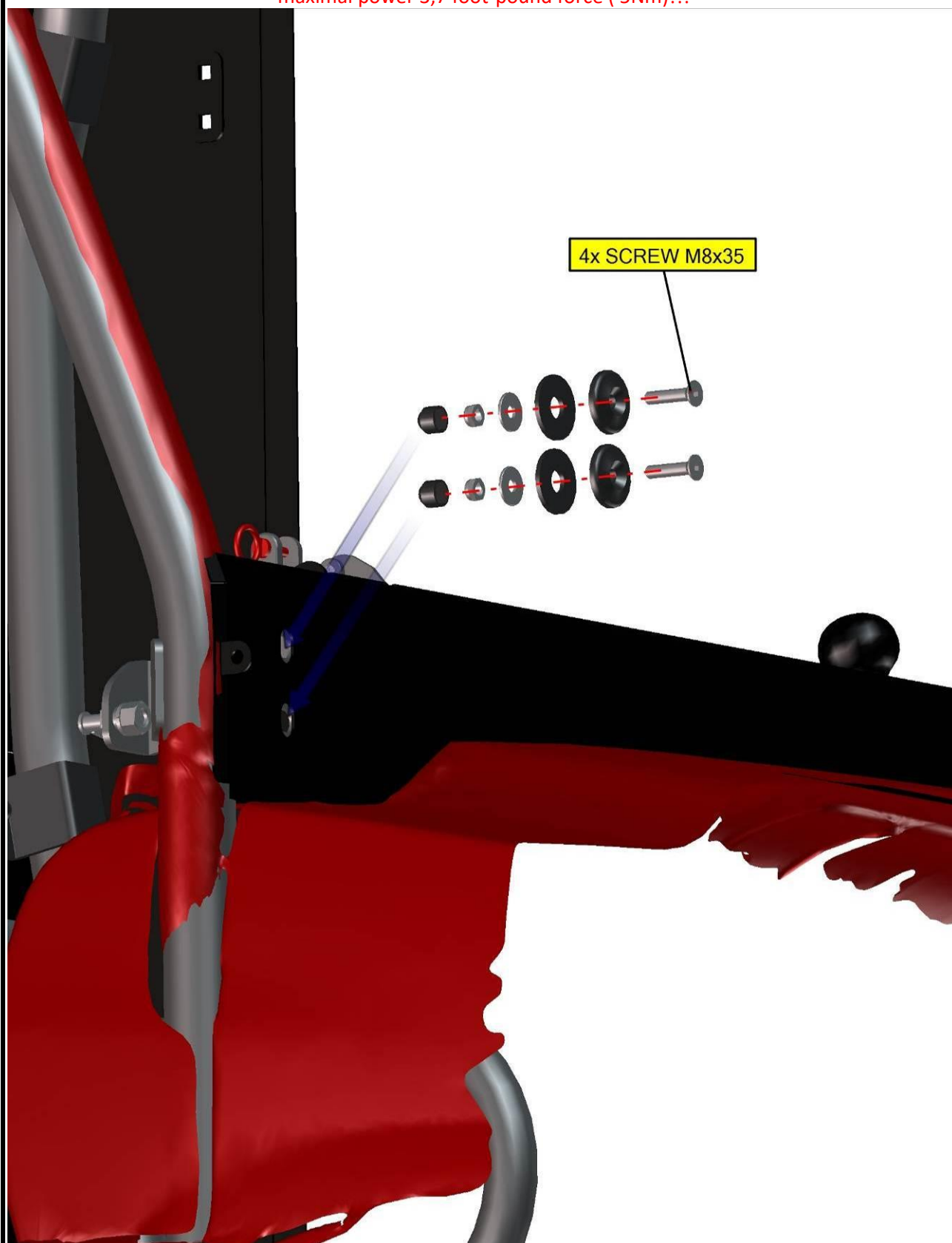
31

Place the ledge holders onto the front ledge and onto the roller cage on both sides.



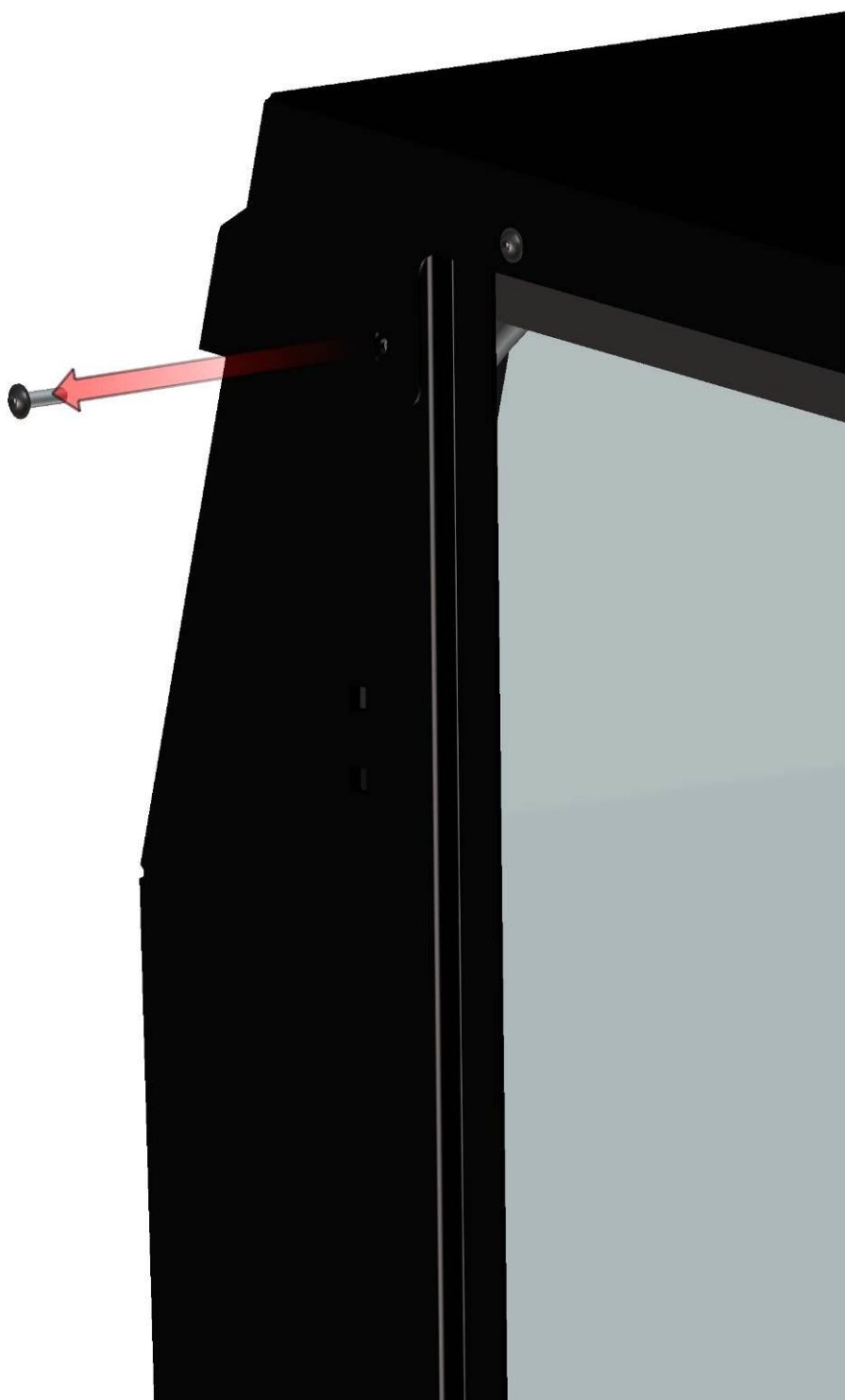
32

Fix the holder with the ledge to the roller cage by screws, washers, nuts and covers on both sides.
Please be careful not to break the plastic washers, if you are tightening screws with plastic washers use
maximal power 3,7 foot-pound force (5Nm)!!!



ROOF 2.

Take out the screws, washers and nuts (from page No.: 13 or 15) from both sides and save for later usage.



34

Move the roof out from the front upper roller cage gently.

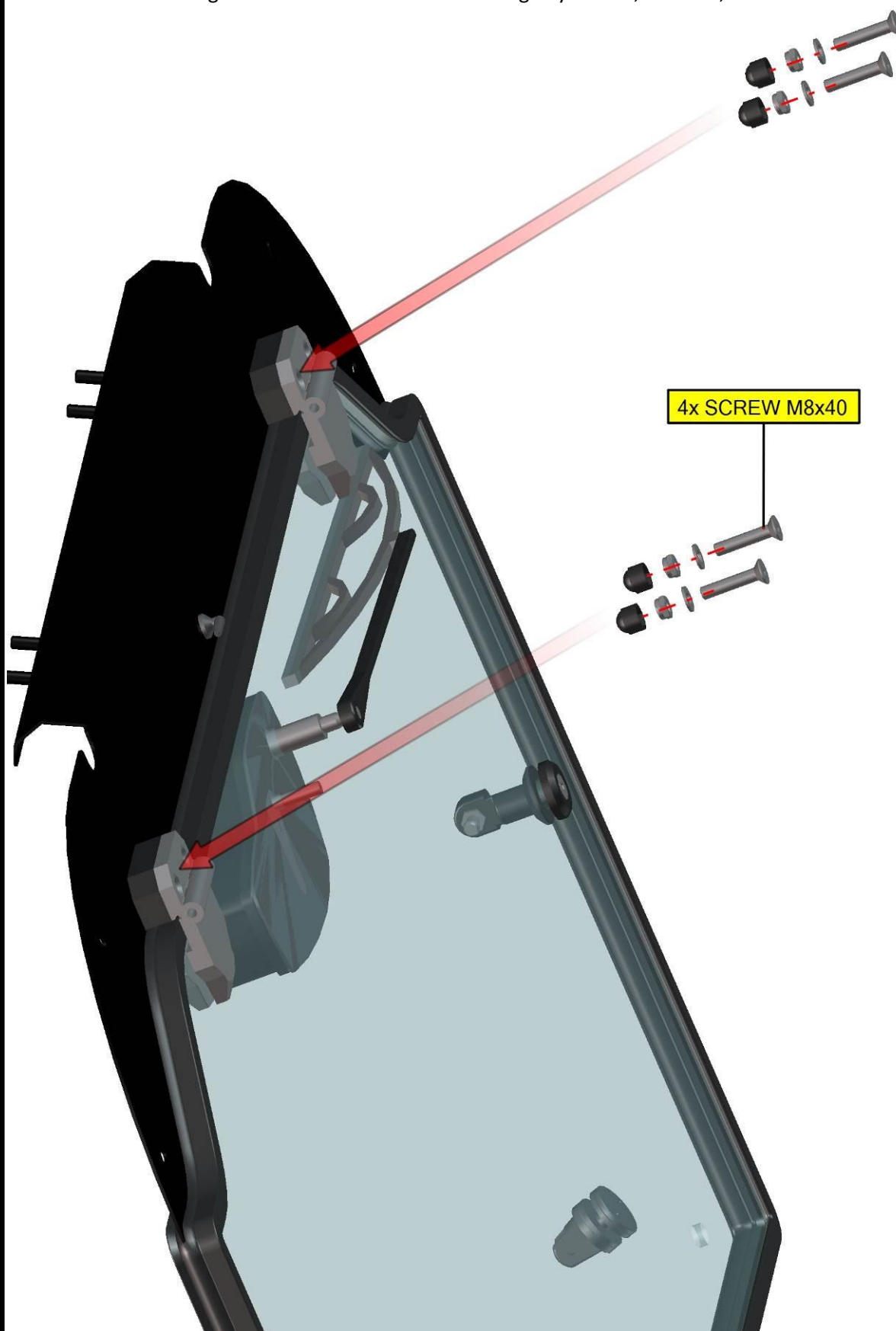


35

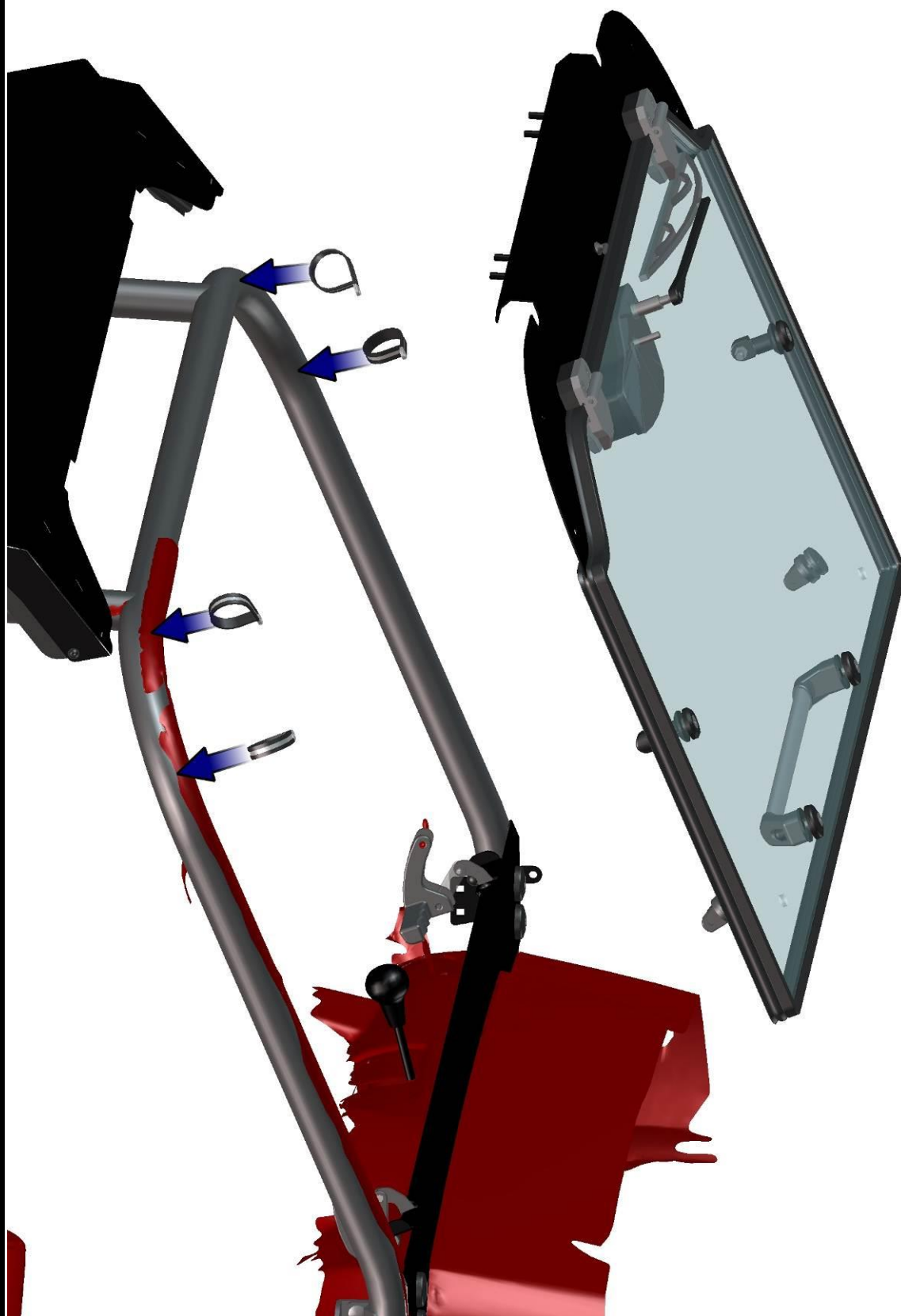
Place the front window assembly with the hinge's bases onto the front upper ledge .



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

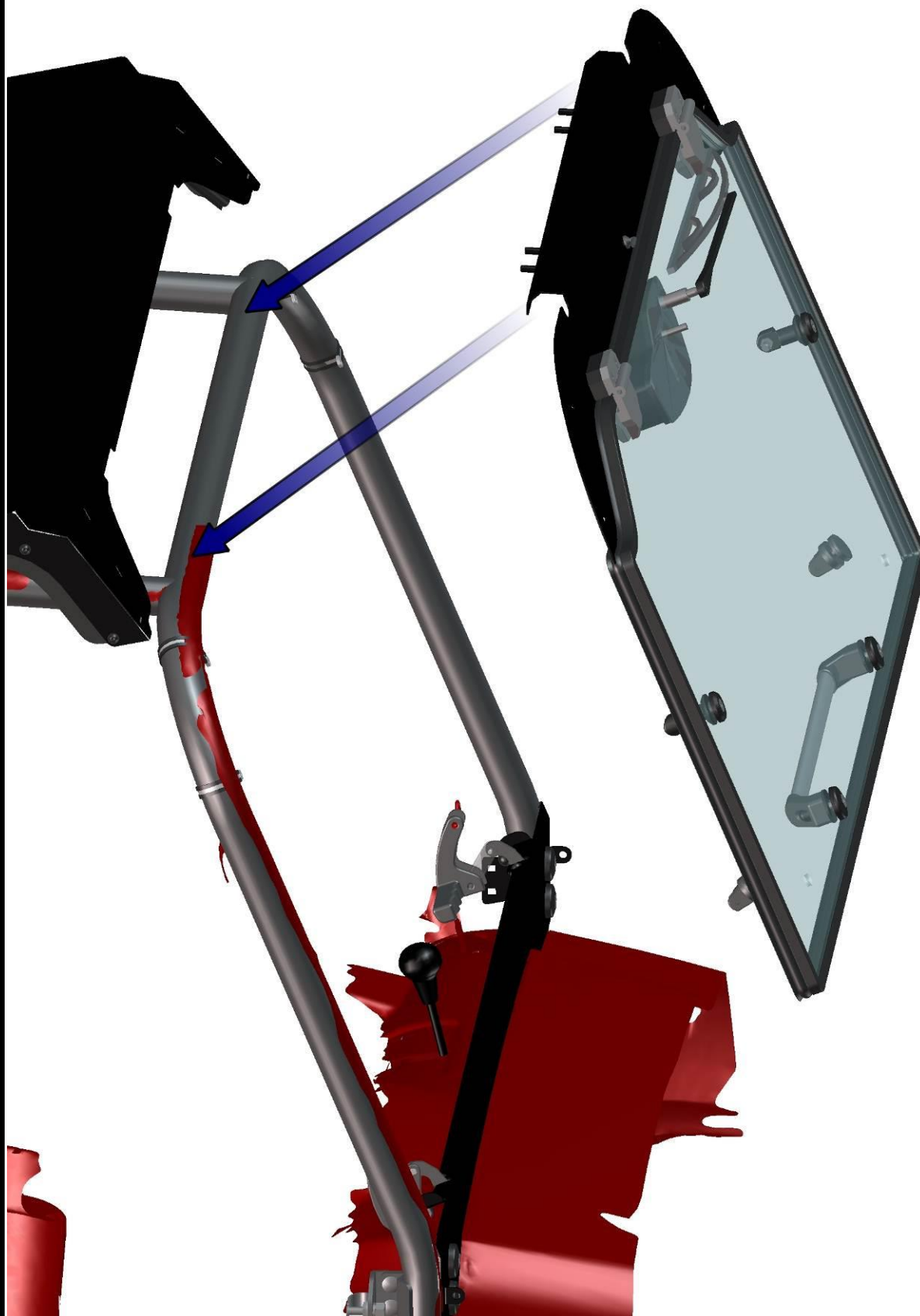


Install the straps onto the roller cage .



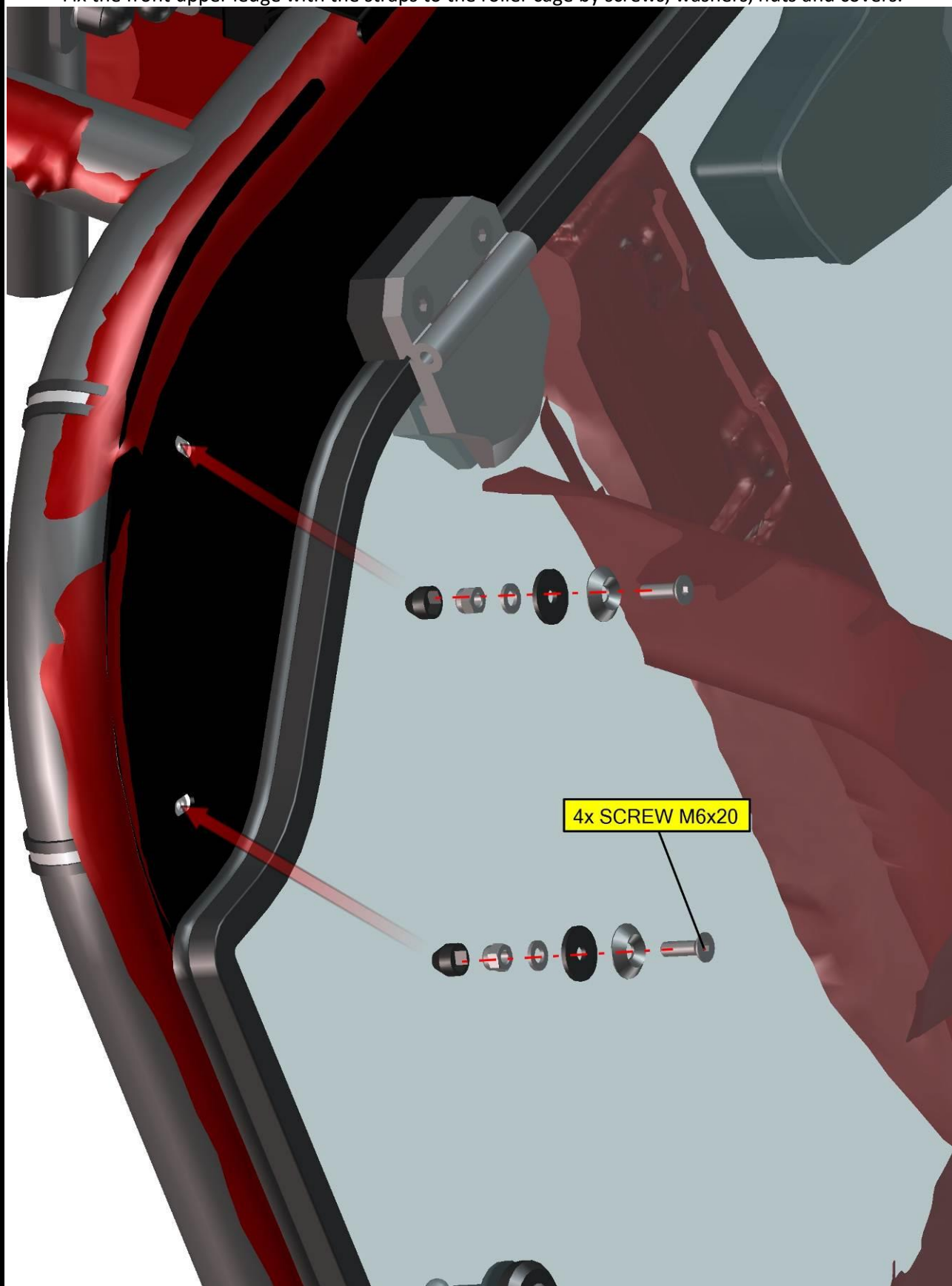
38

Place the front assembly onto the roller cage.



39

Fix the front upper ledge with the straps to the roller cage by screws, washers, nuts and covers.



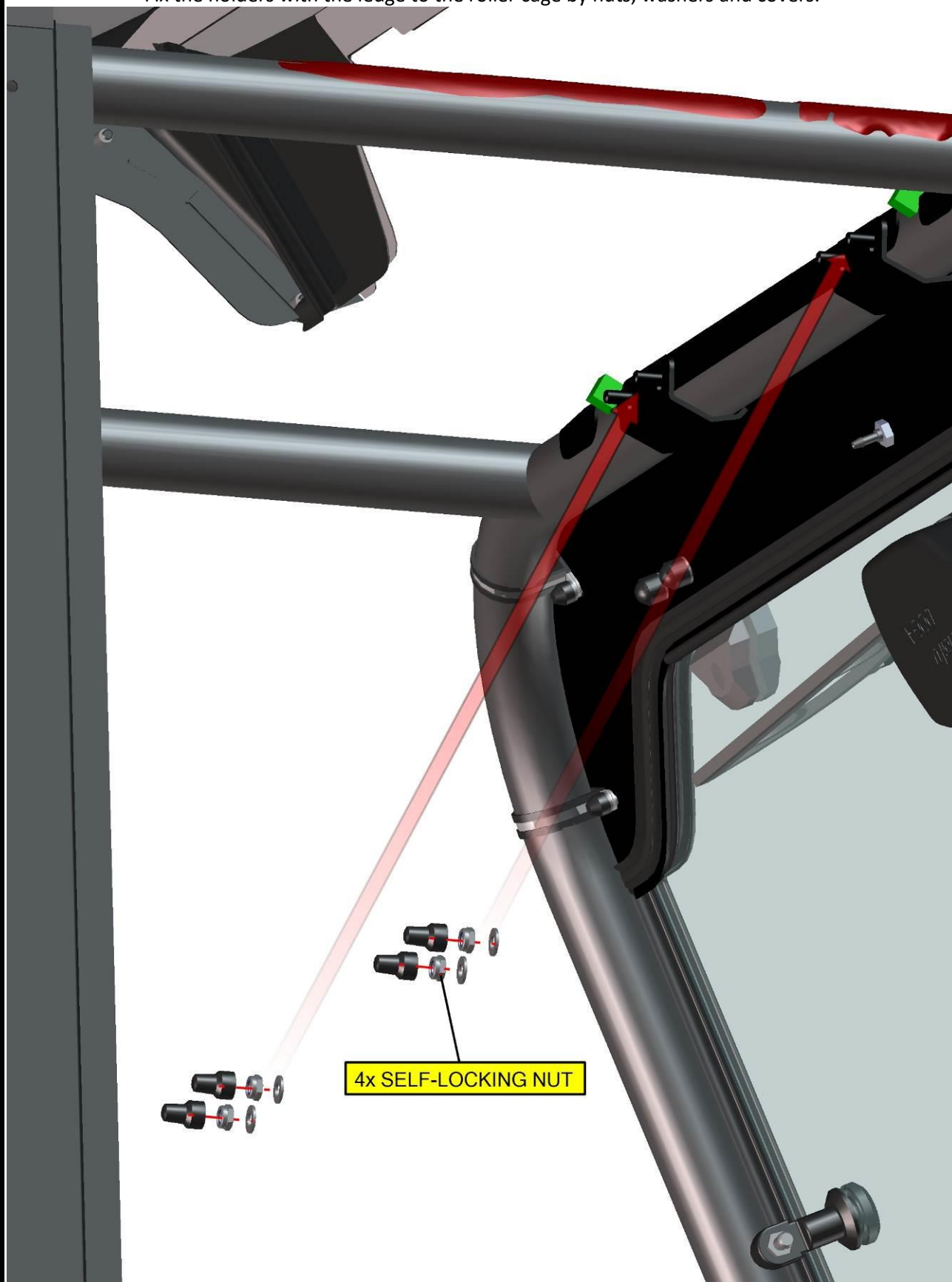
40

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



41

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

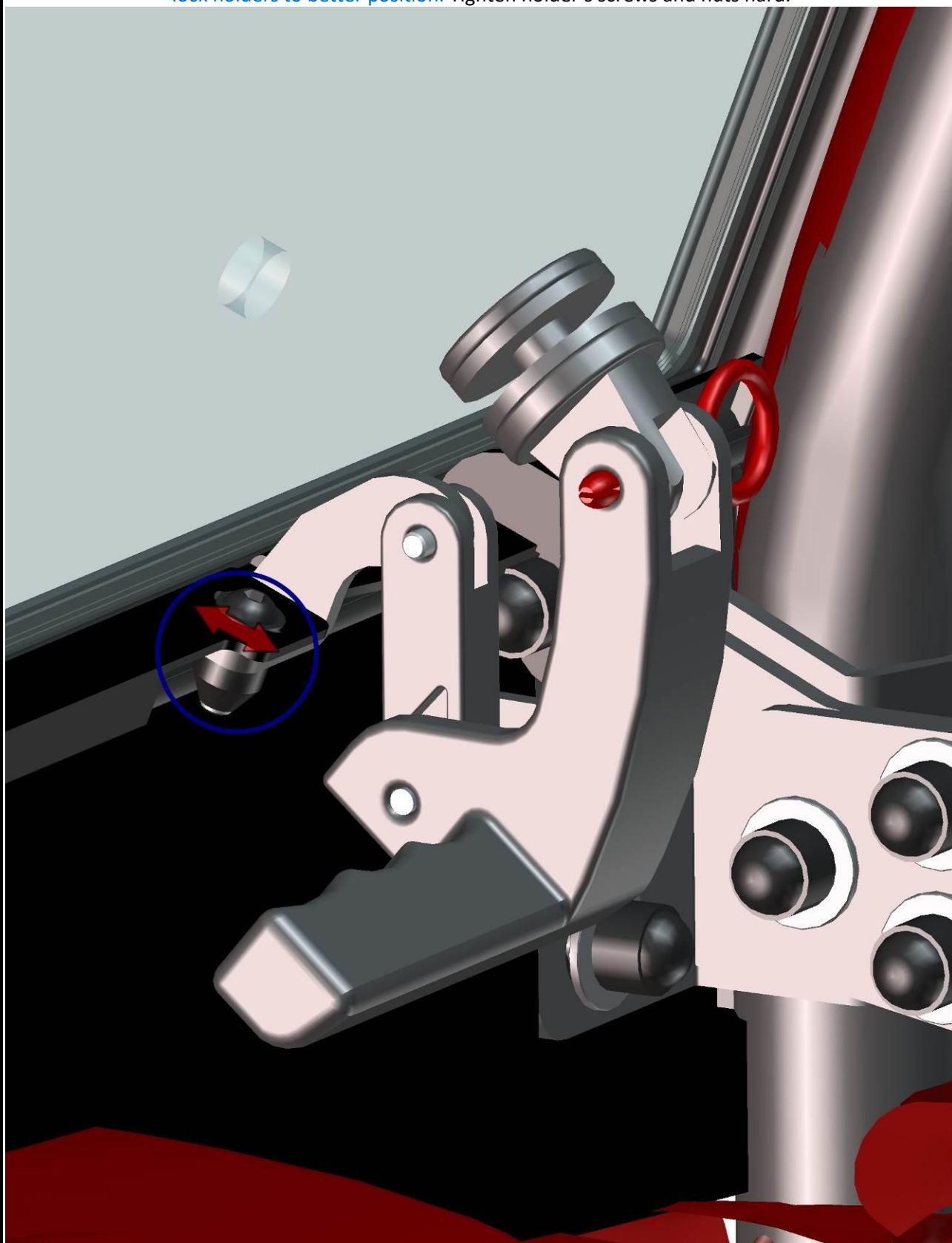


Move the glass lock to neutral position and insert the lock's pins into the glass lock and into the holders.

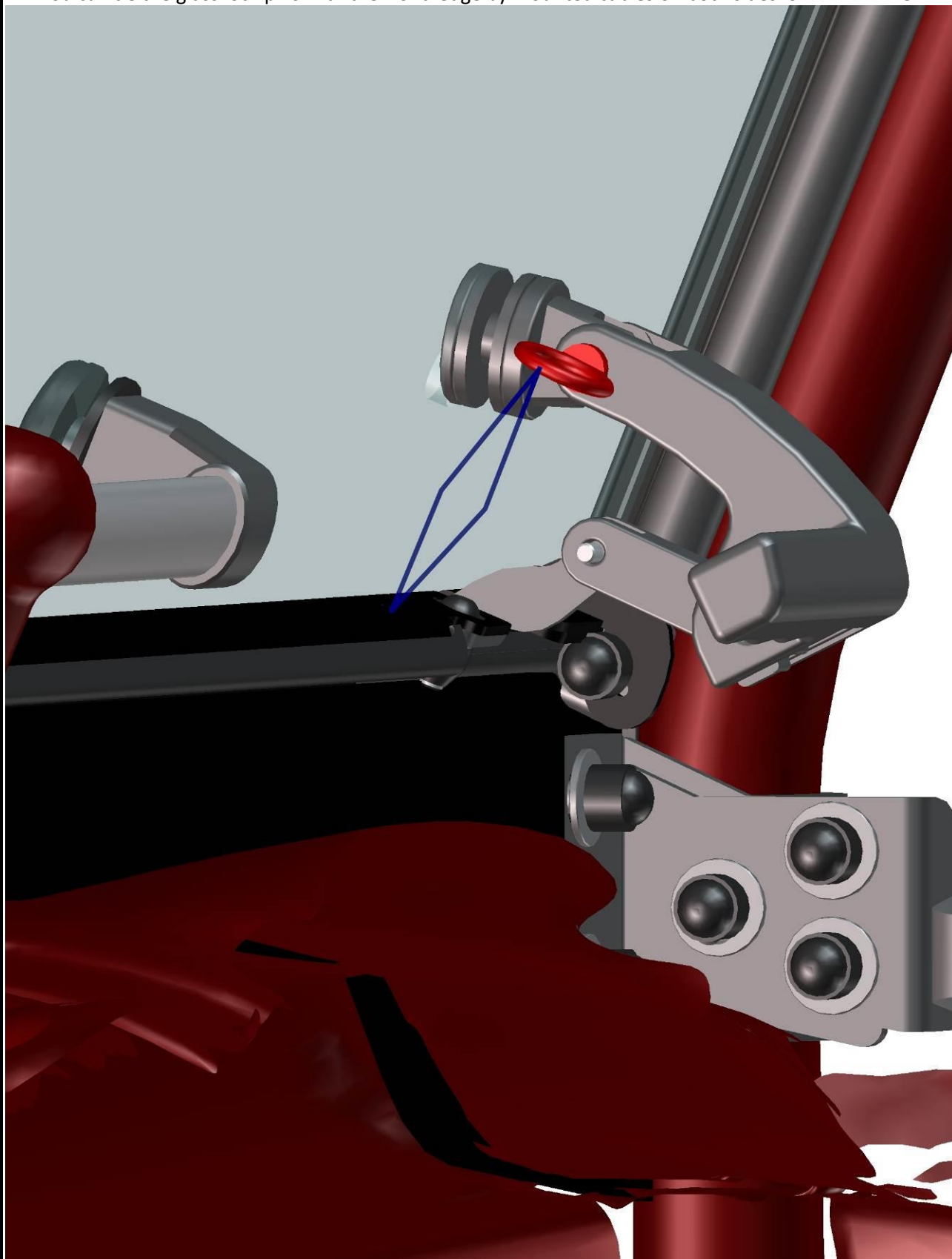


43

Loosen the glass lock metal holder's screws and adjust the holders to best position on both sides.
If you have some gaps between the front glass sealing and roller cage or bottom ledge adjust the glass lock holders to better position. Tighten holder's screws and nuts hard.



You can tie the glass lock pins with the front ledge by mounted cables on both sides. SEE NEXT PAGE



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See next page

View to mounted tie.



View to mounted tie.

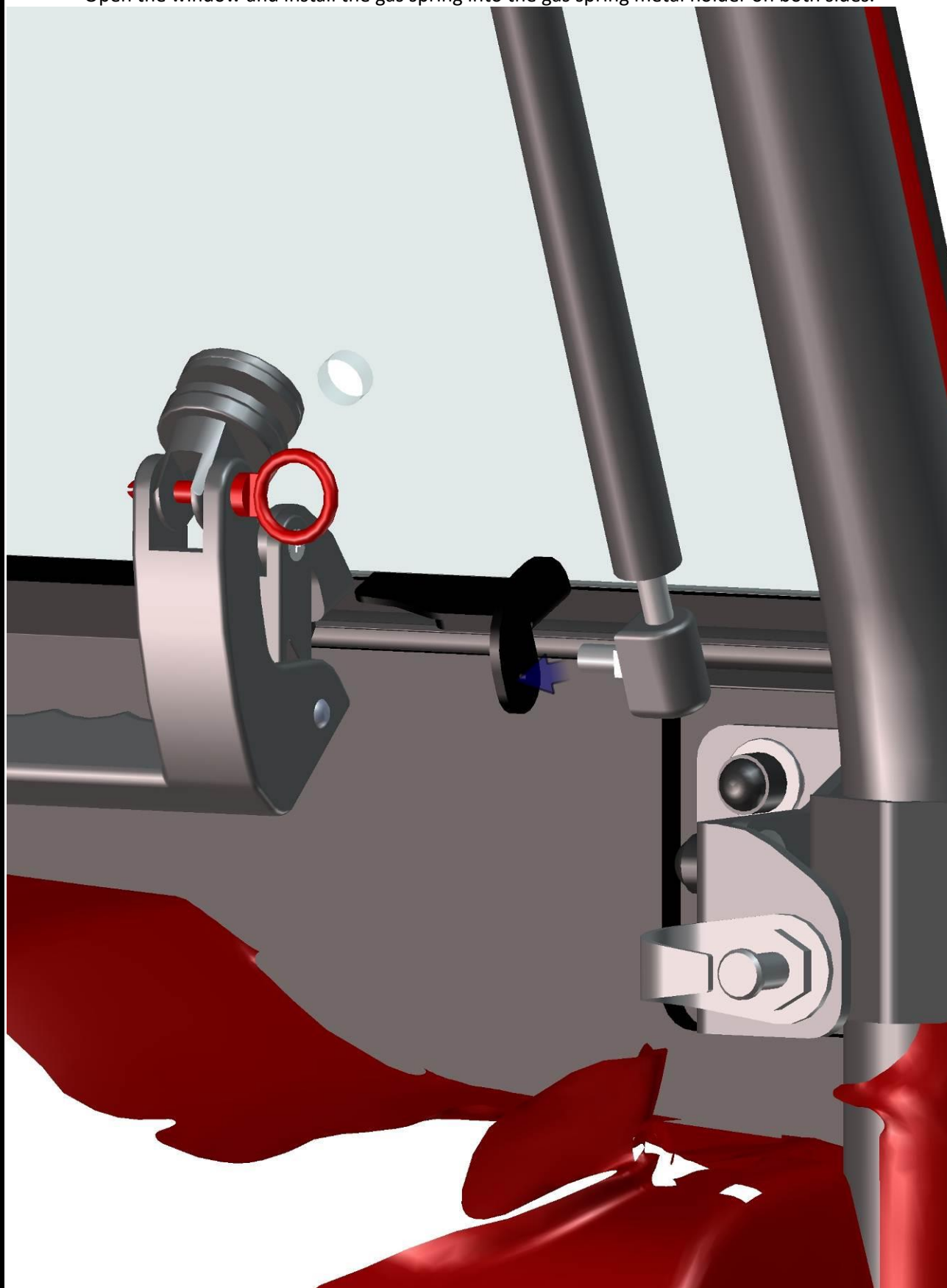


Install the gas springs onto the gas spring holders.
It's necessary to install the gas springs in same position like on picture.



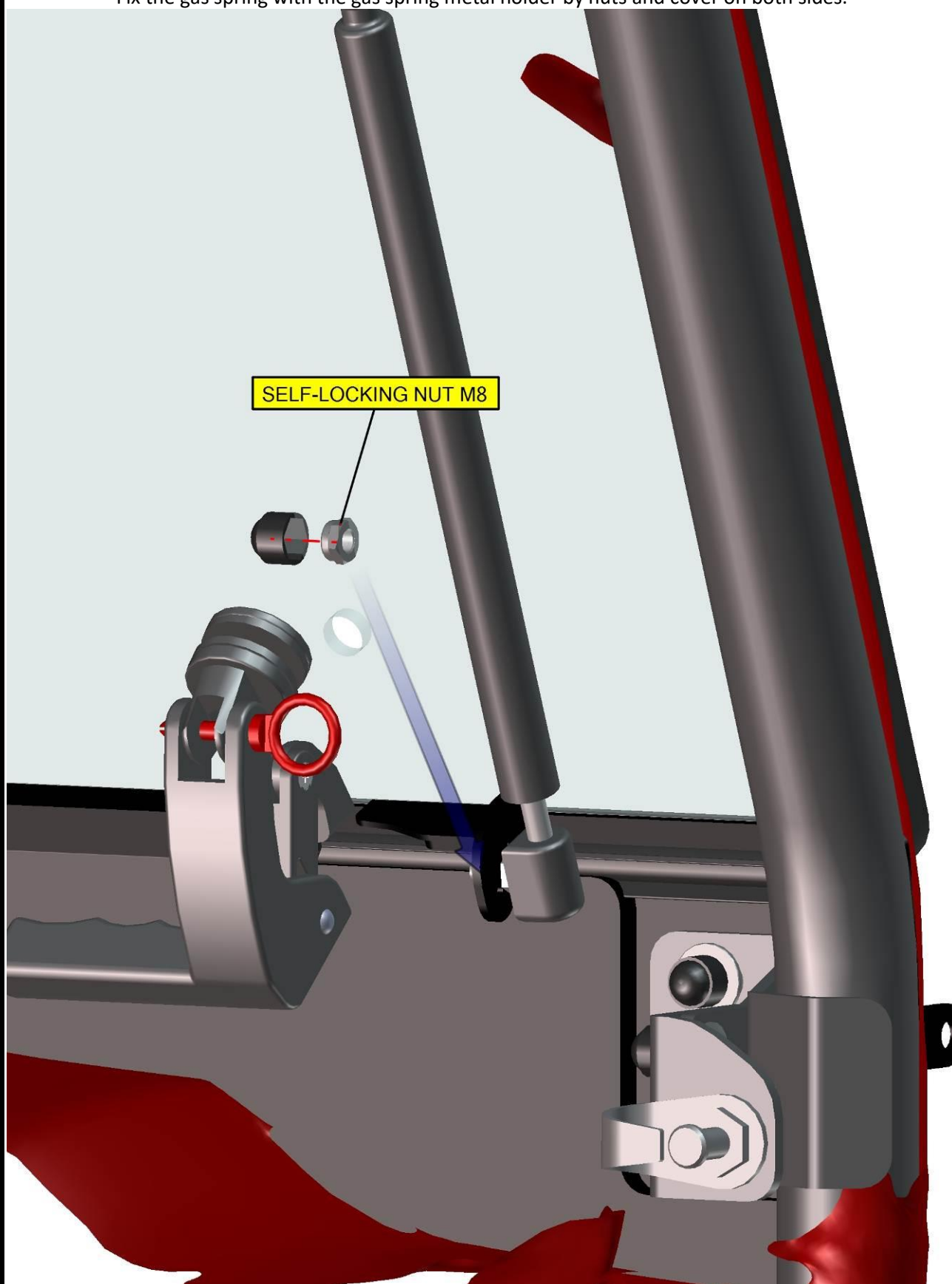
47

Open the window and install the gas spring into the gas spring metal holder on both sides.

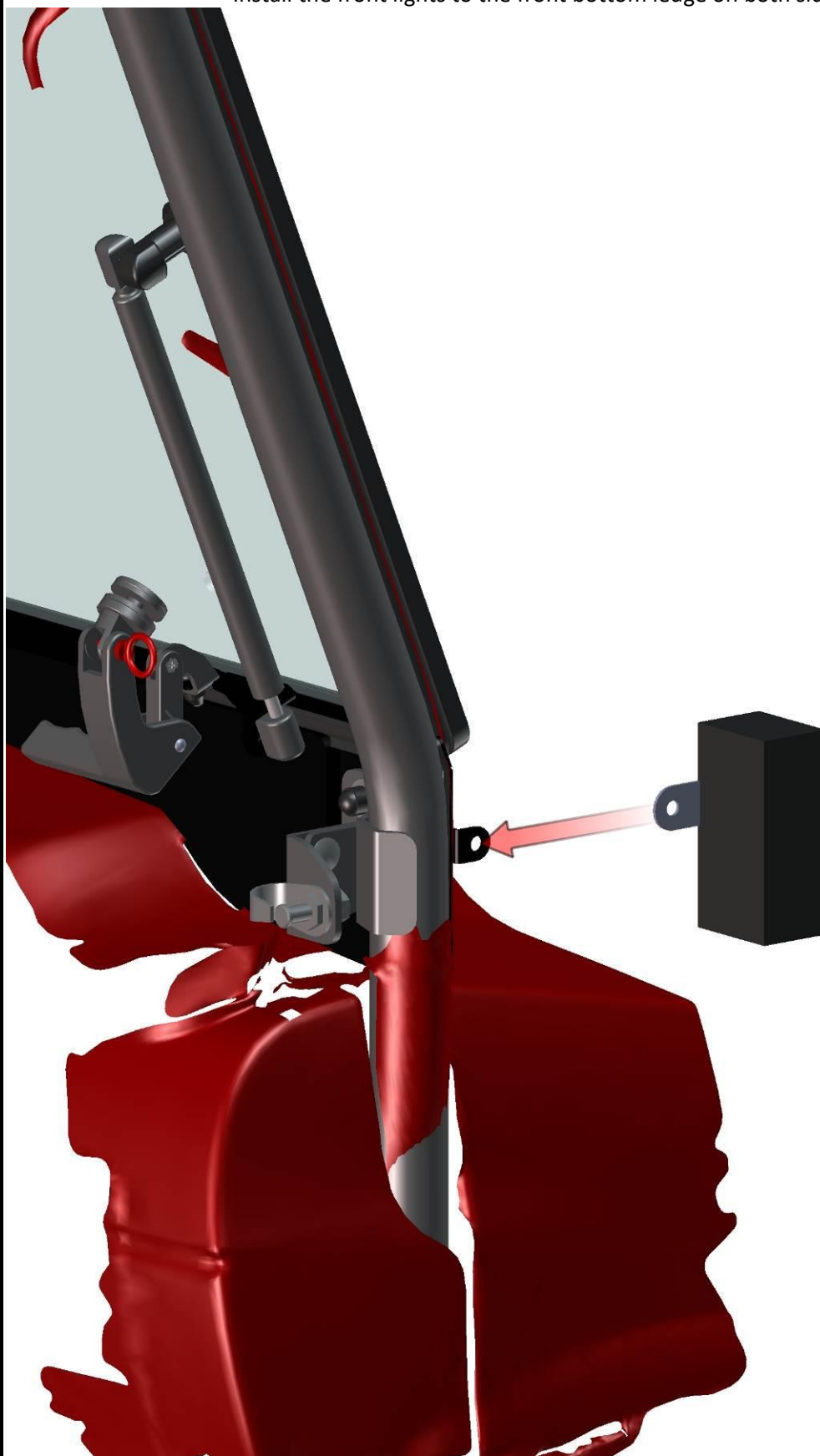


48

Fix the gas spring with the gas spring metal holder by nuts and cover on both sides.

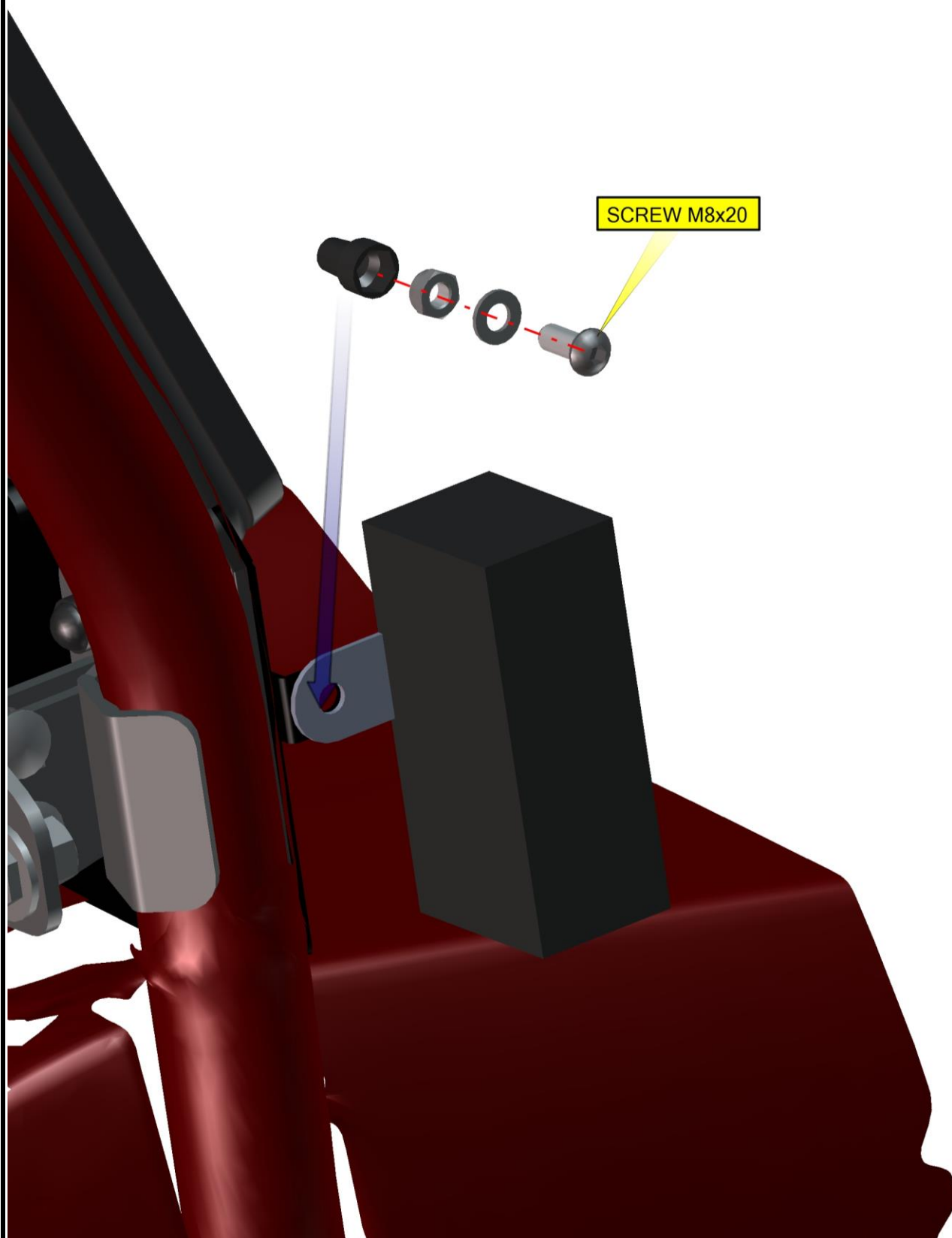


Install the front lights to the front bottom ledge on both sides.



50

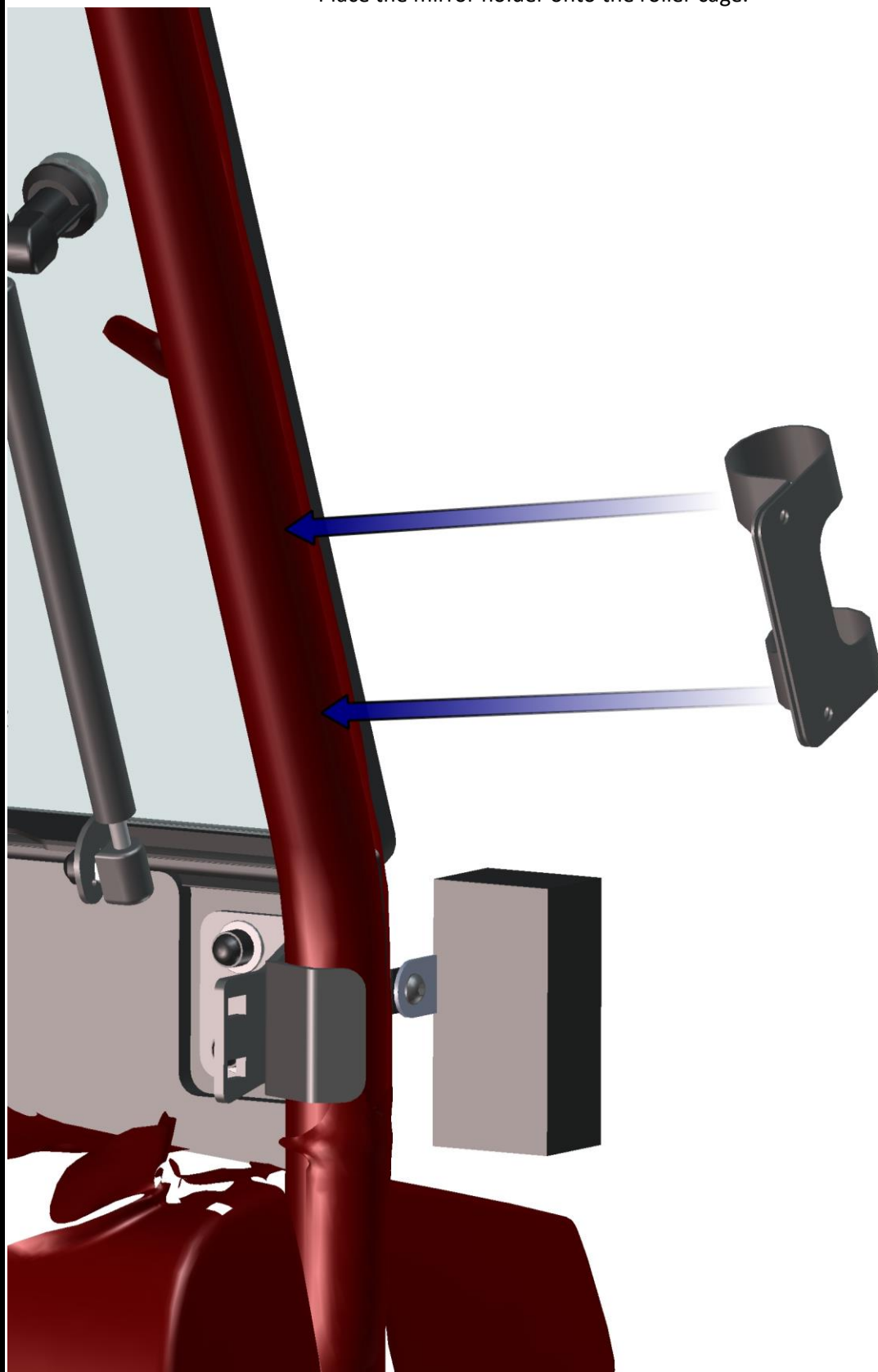
If you lost original screws from front lights,
you can use included screws, washers nuts and covers on both sides.



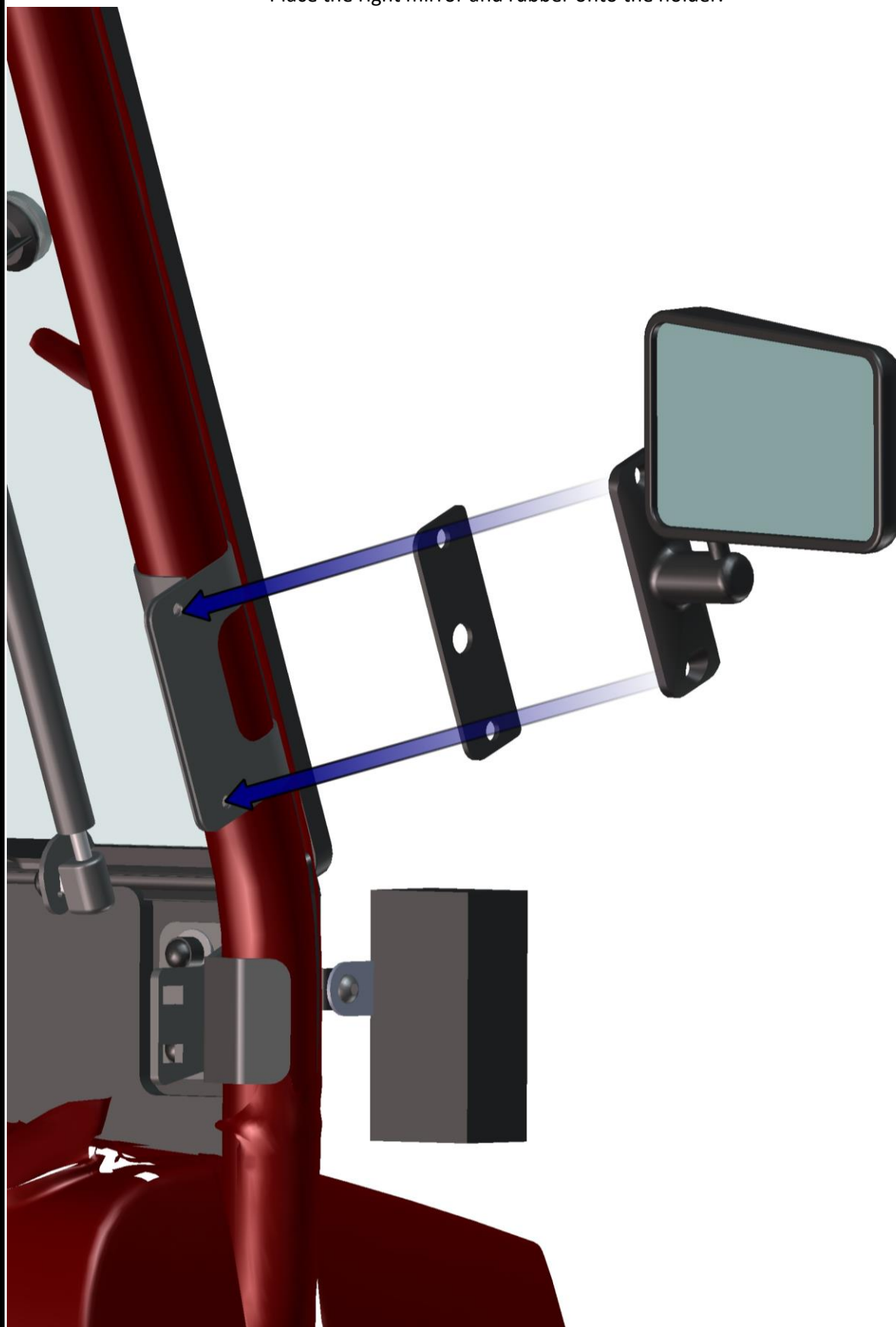
If you didn't buy door, you can install rear mirrors onto the UTV's roller cage.

If you have doors, skip next pages.

Place the mirror holder onto the roller cage.

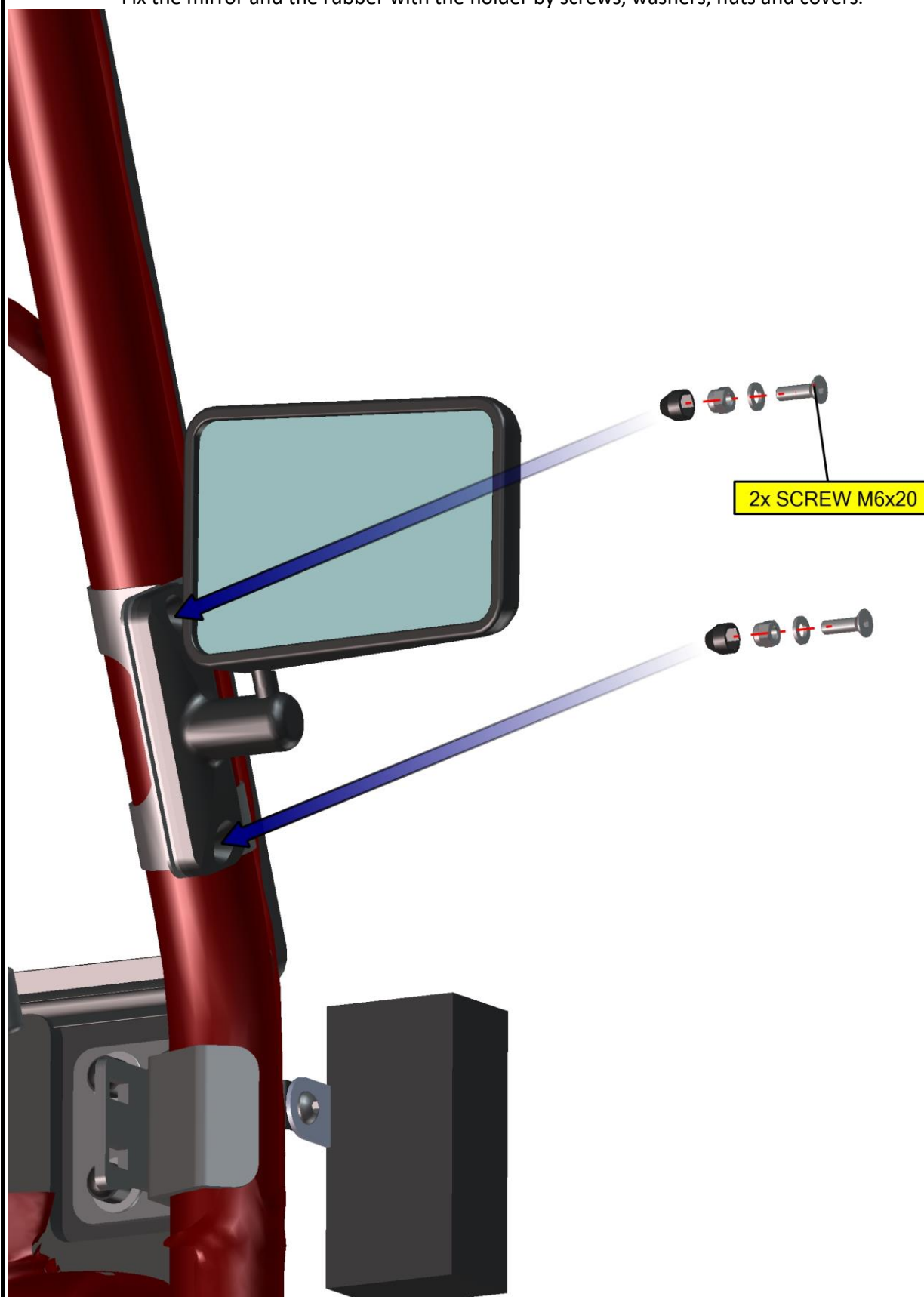


Place the right mirror and rubber onto the holder.



53

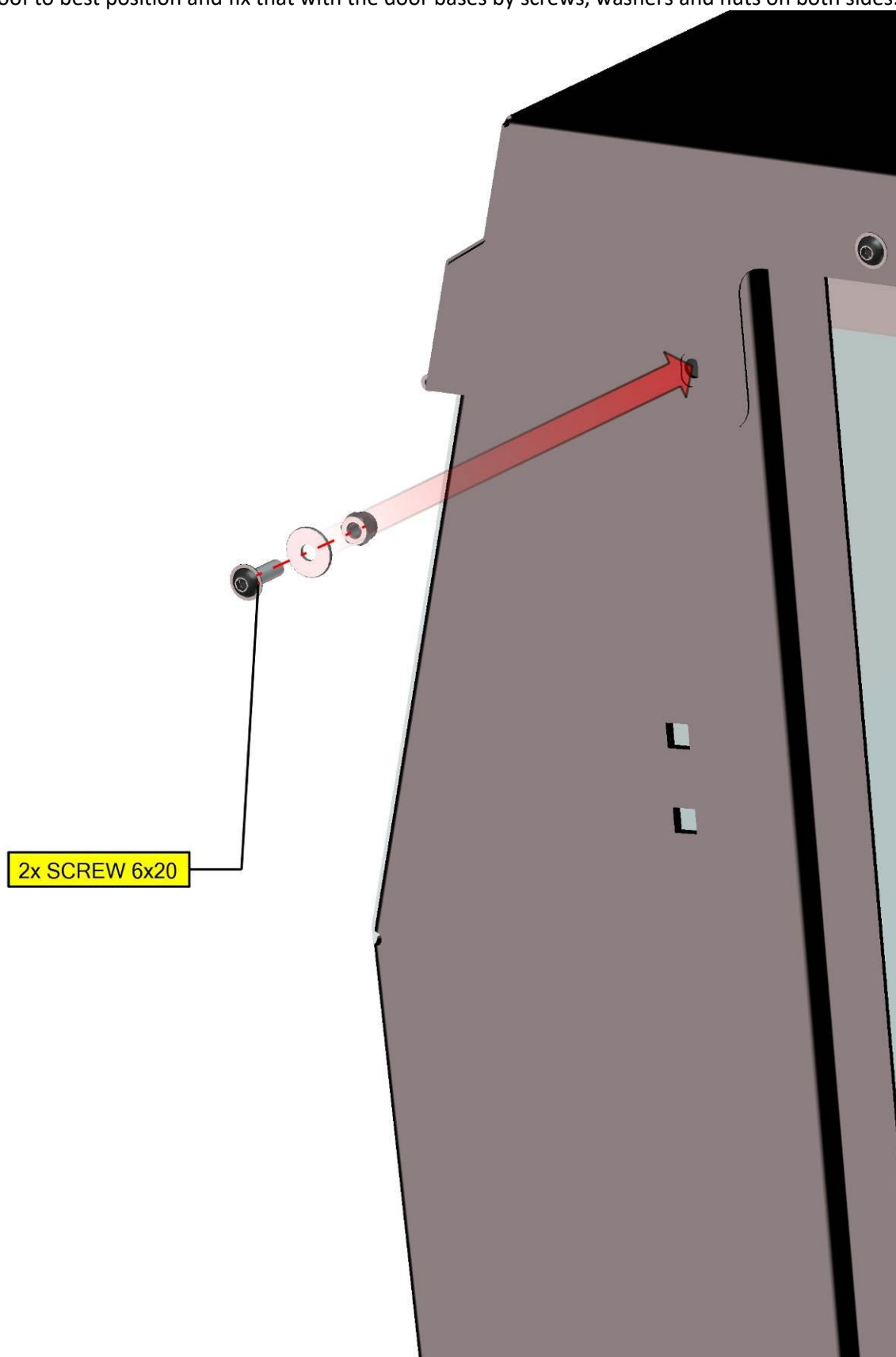
Fix the mirror and the rubber with the holder by screws, washers, nuts and covers.



Repeat previous steps with the left mirror on second UTV's side.

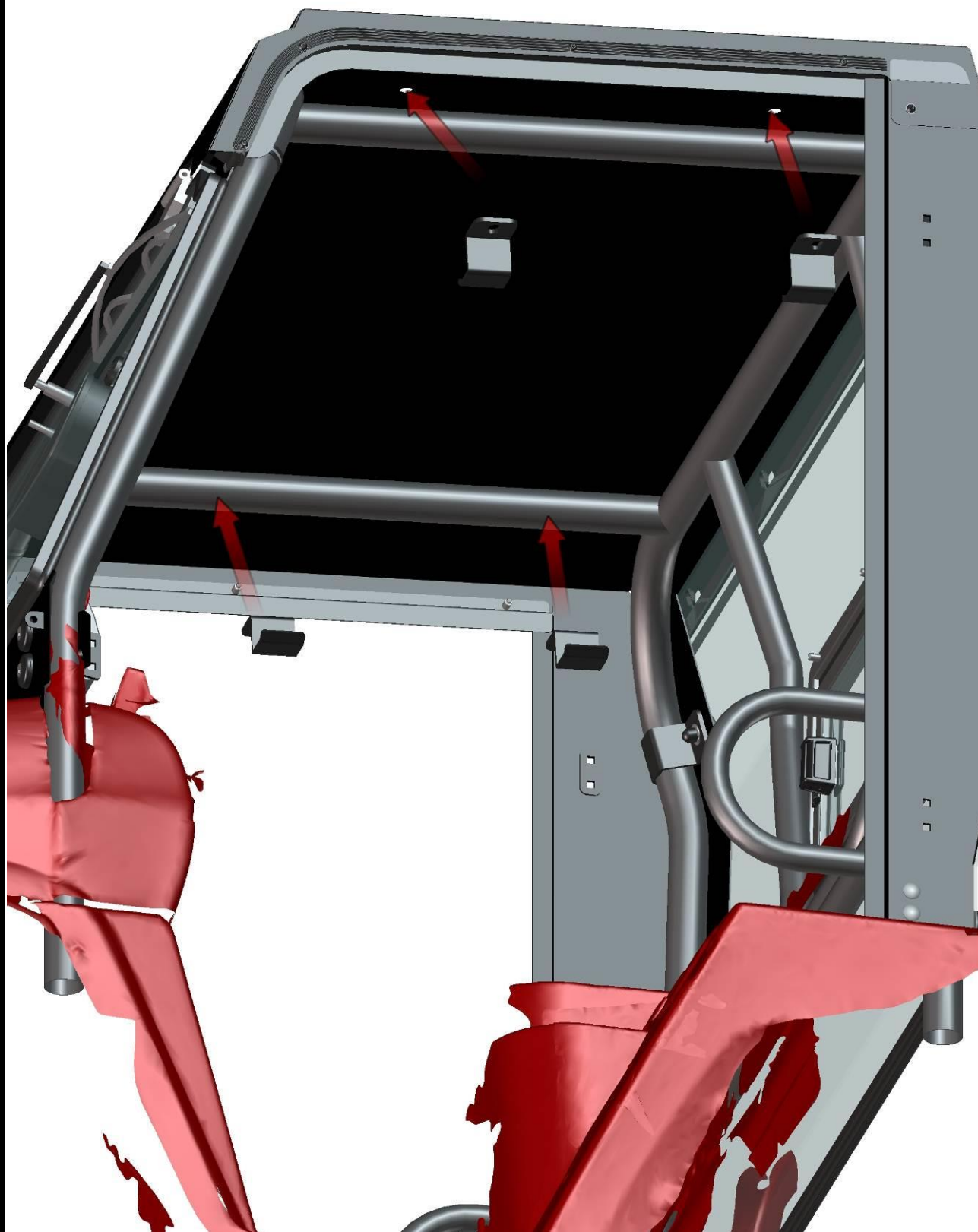
ROOF 3.

Adjust the roof to best position and fix that with the door bases by screws, washers and nuts on both sides.



55

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



56

Fix the holders with the roof to the roller cage by screws, washers and fast-lock handles.
 Please be careful not to break the plastic washers, if you are tightening screws with plastic washers use
 maximal power 3,7 foot-pound force (5Nm)!!!



SEE NEXT PAGE

Fast-lock assembly (explode view).



Fast-lock handle mounted.



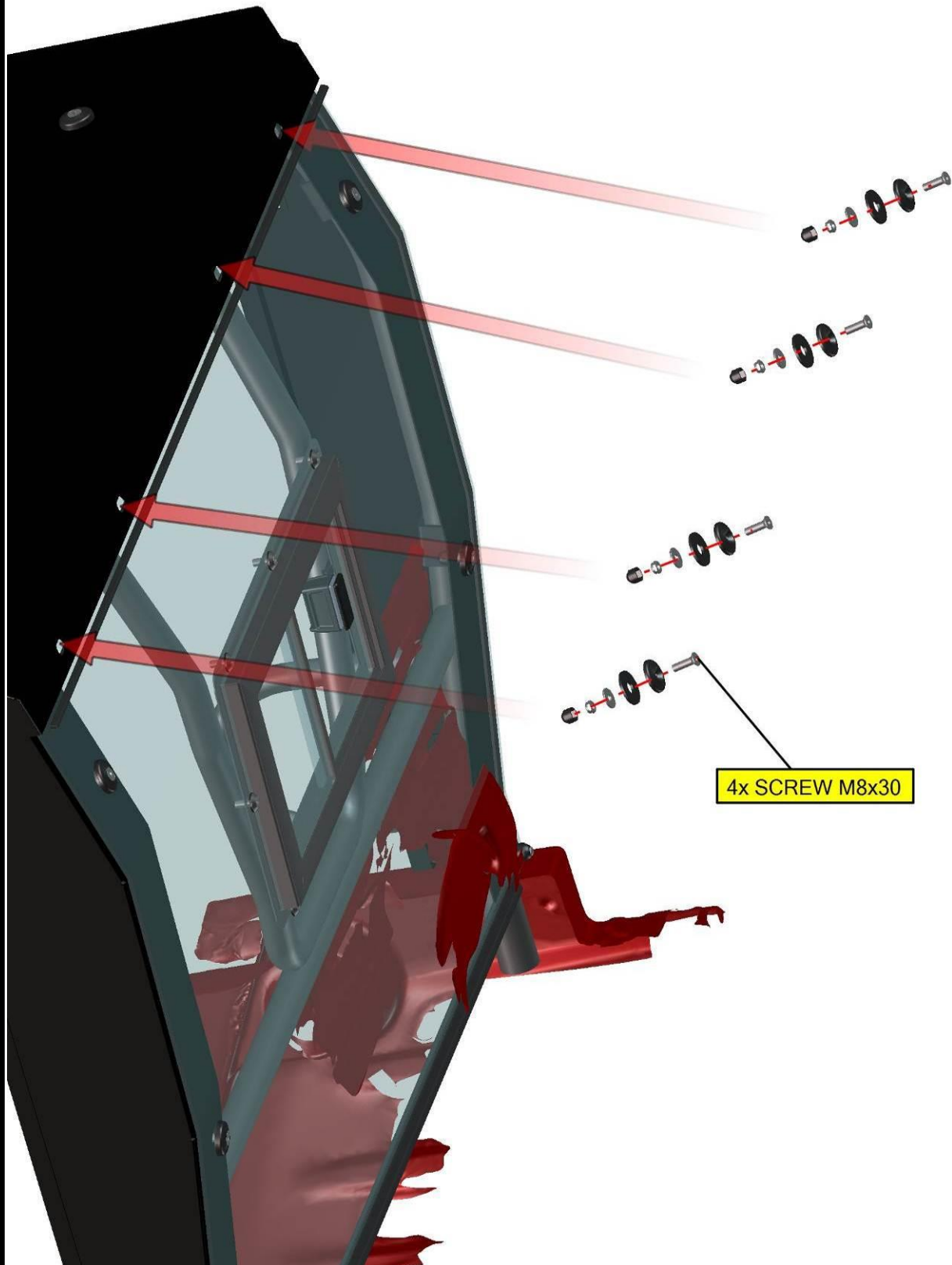
Fast-lock handle tightened.



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

Tighten all roof's screws and nuts correctly.

Please be careful not to break the plastic washers, if you tighten screws with plastic washers use maximal power 3,7 foot-pound force (5Nm)!!!



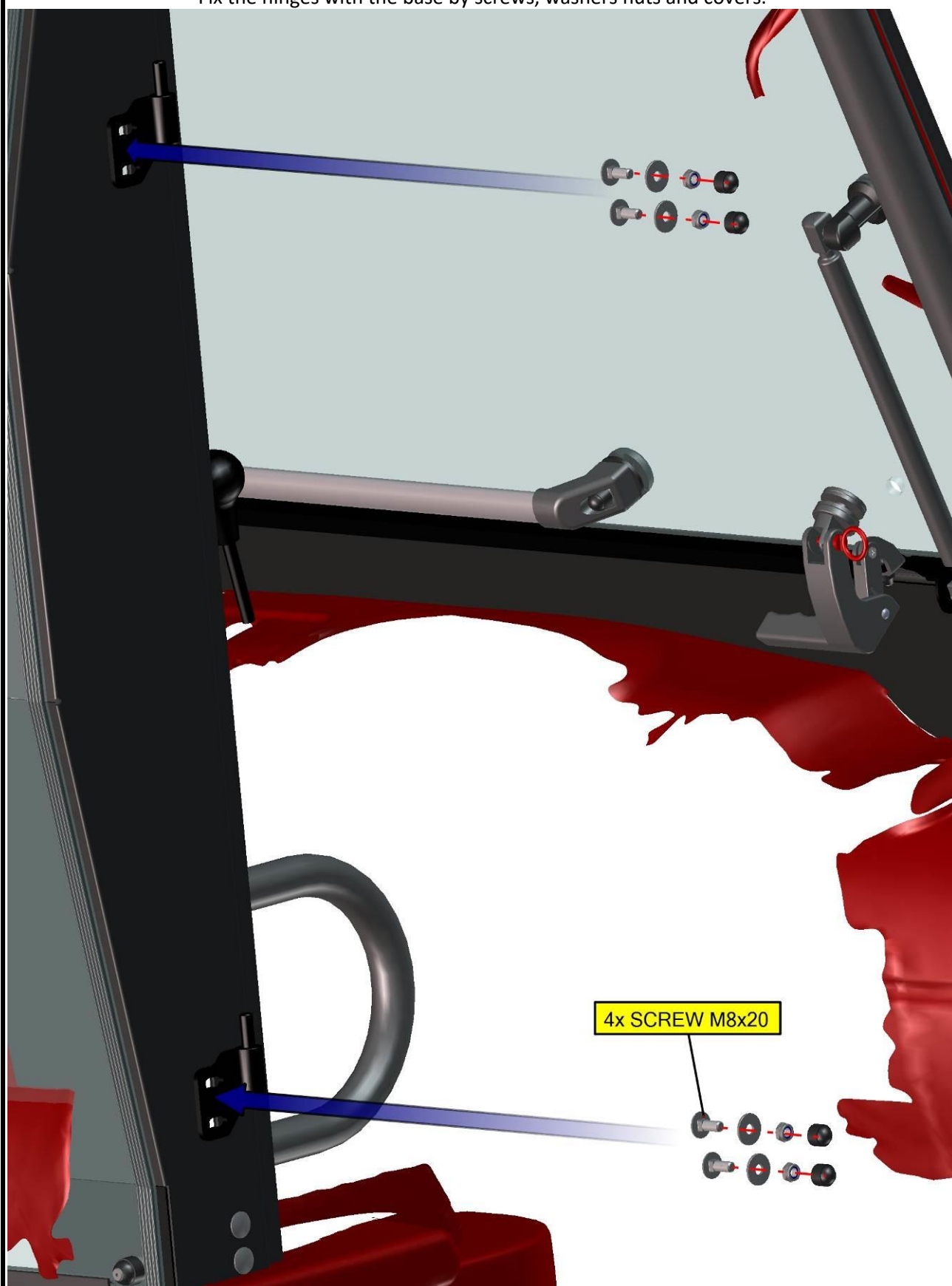
RIGHT DOOR + LEFT DOOR

Place the RIGHT hinges onto the RIGHT door base.



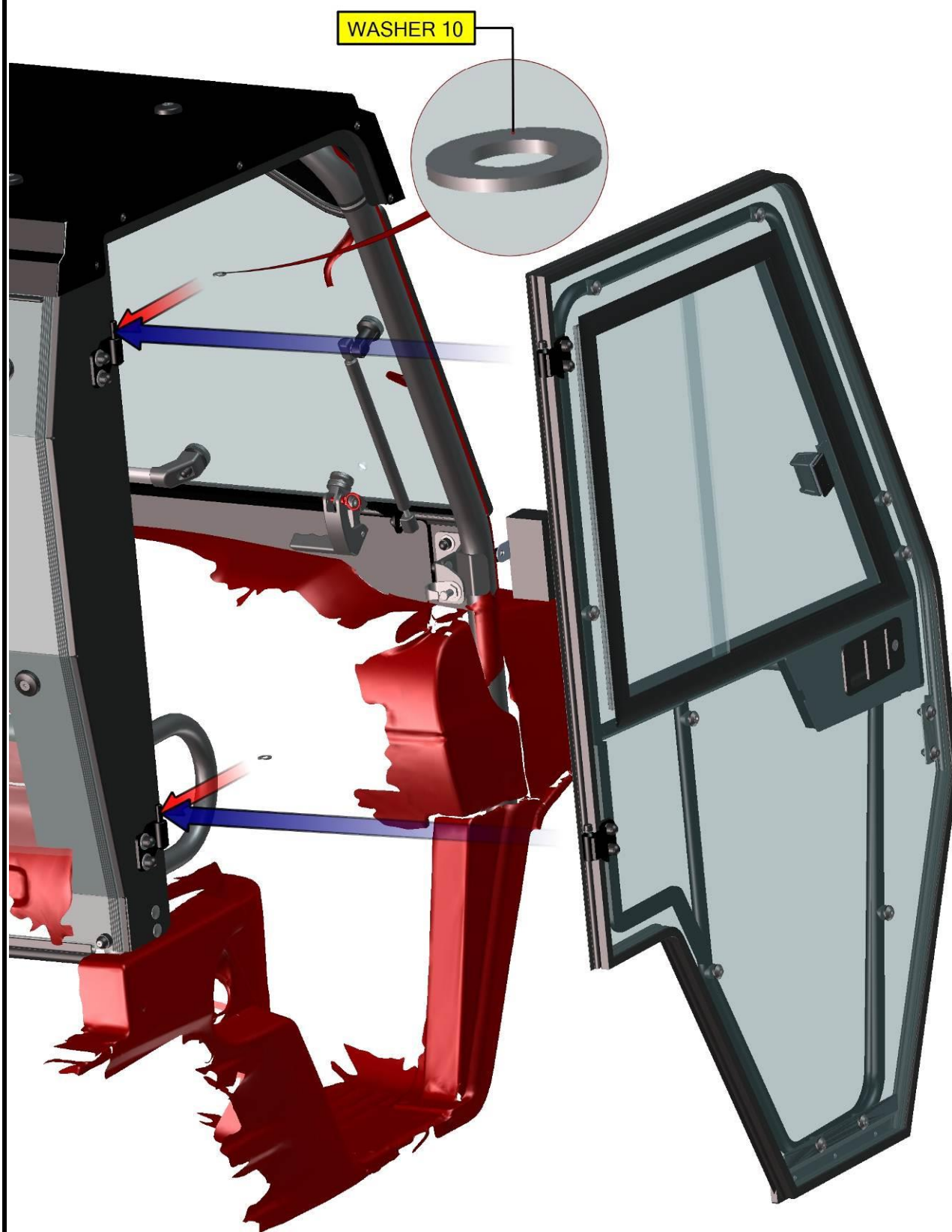
60

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



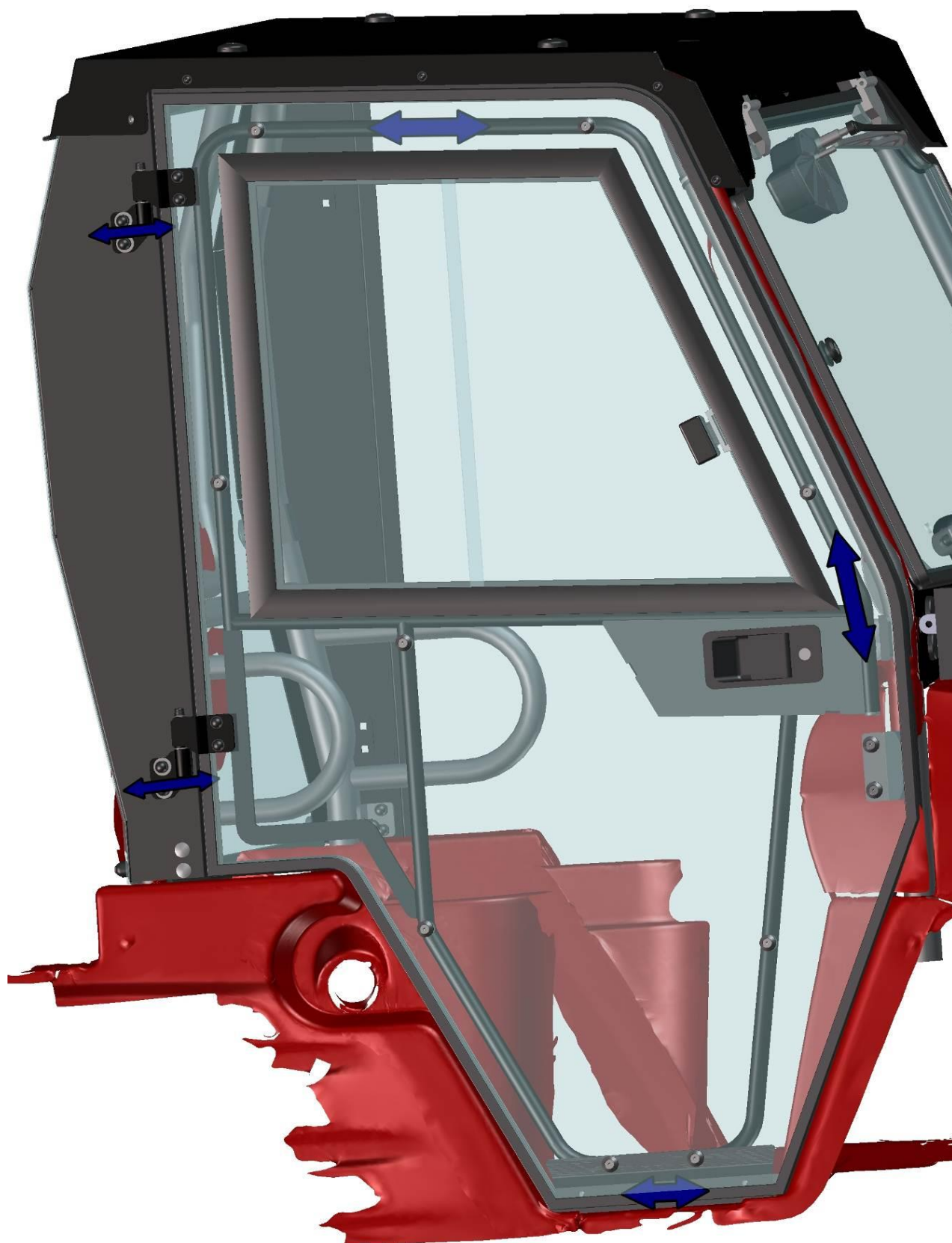
61

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



62

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



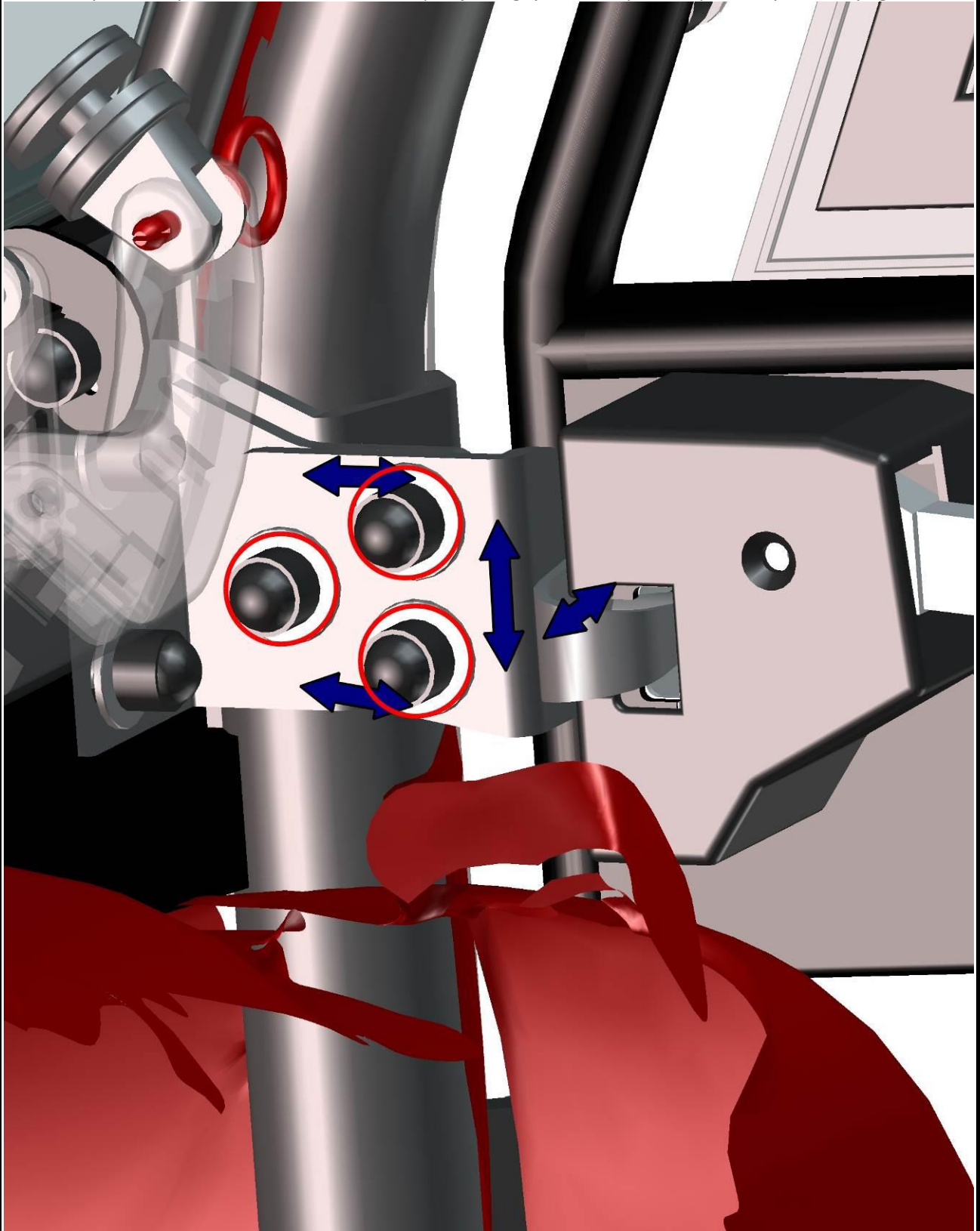
63

Adjust the door stop holder and the door stop assembly to the best position and tight nuts hard.

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

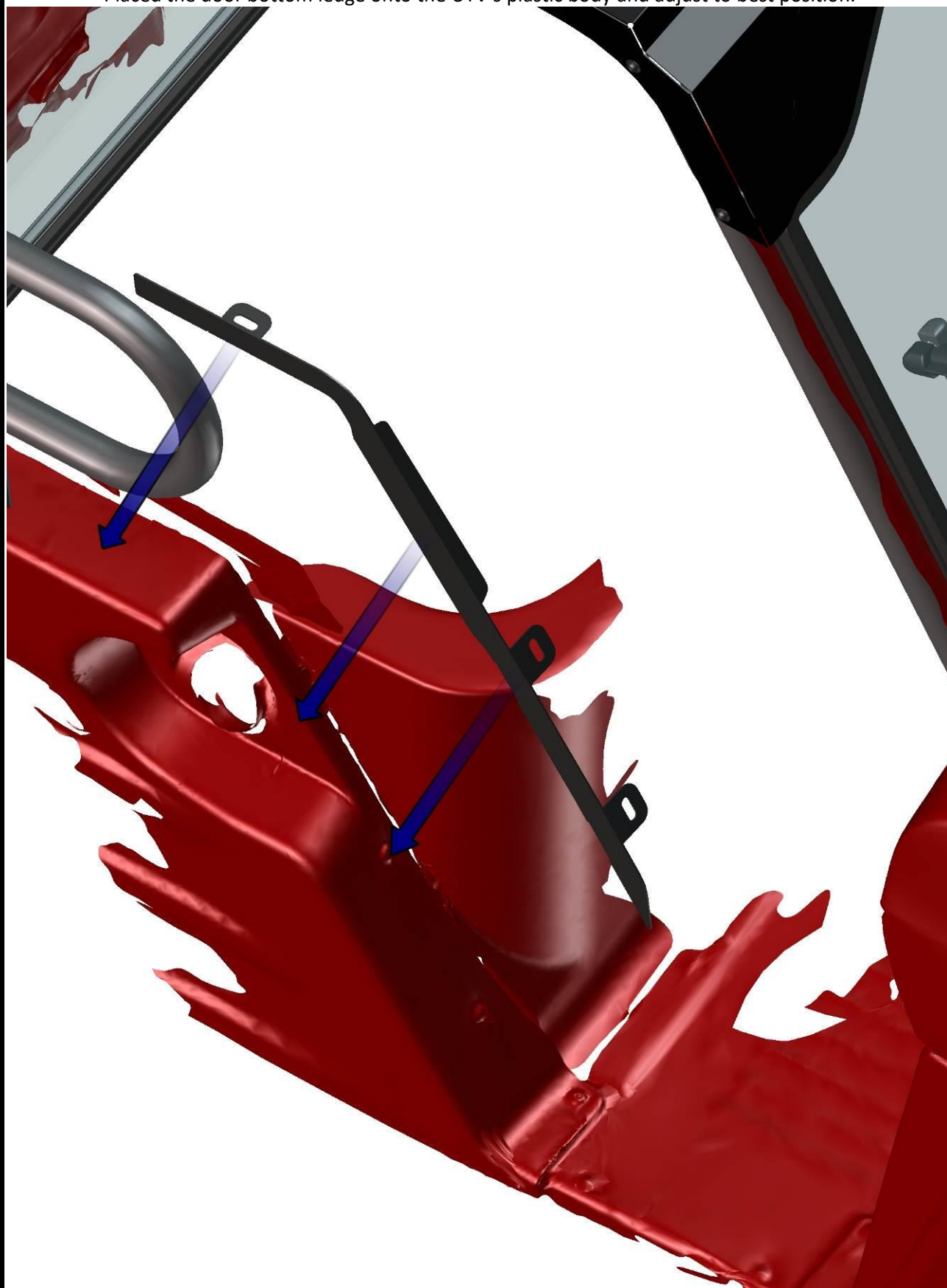
If you adjusted the door stop with 1 click only, the door lock would not be locked by key.

If you have problems with the door stop adjusting, you can repeat steps from previous page.



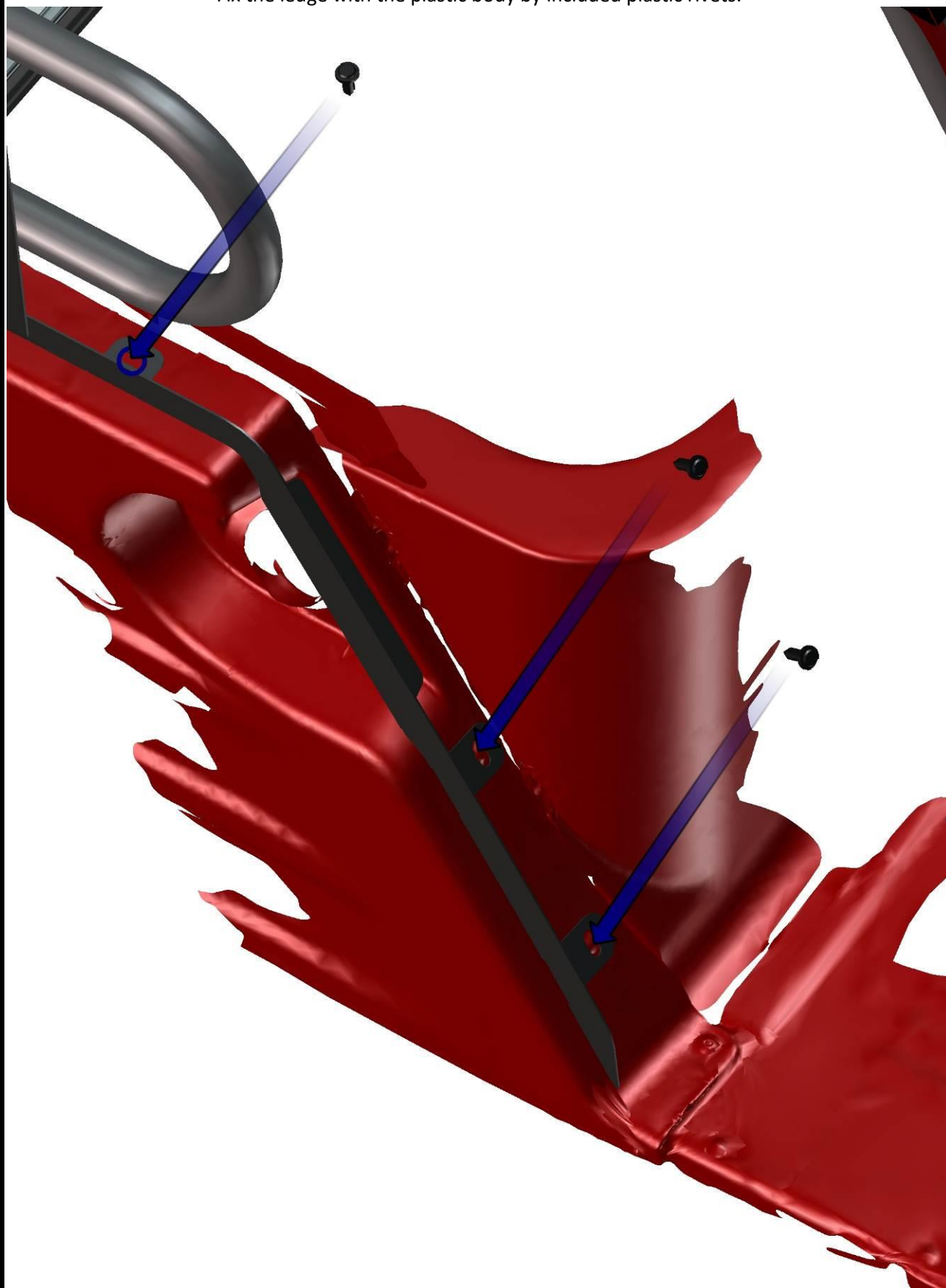
64

Placed the door bottom ledge onto the UTV's plastic body and adjust to best position.

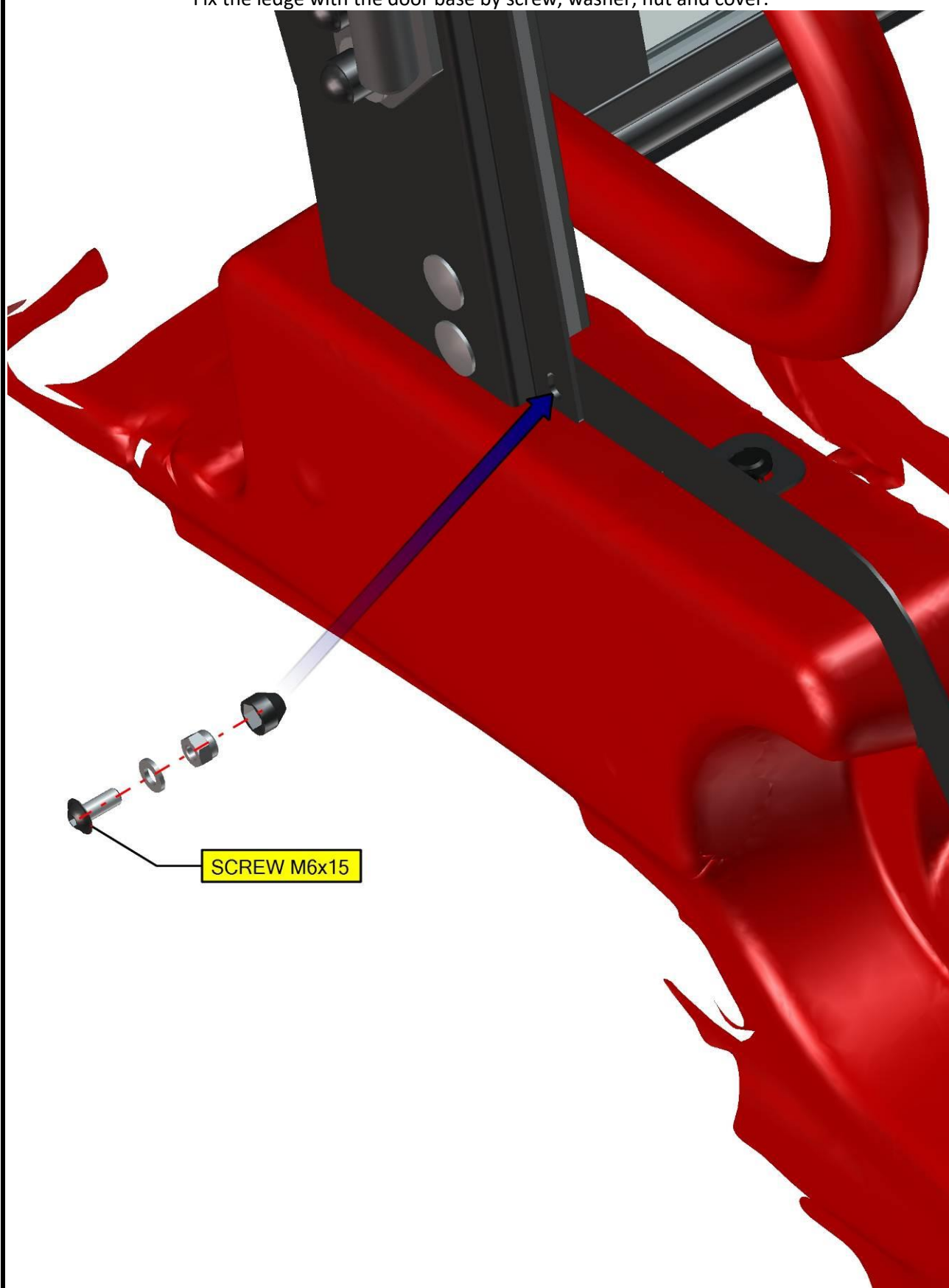


65

Fix the ledge with the plastic body by included plastic rivets.

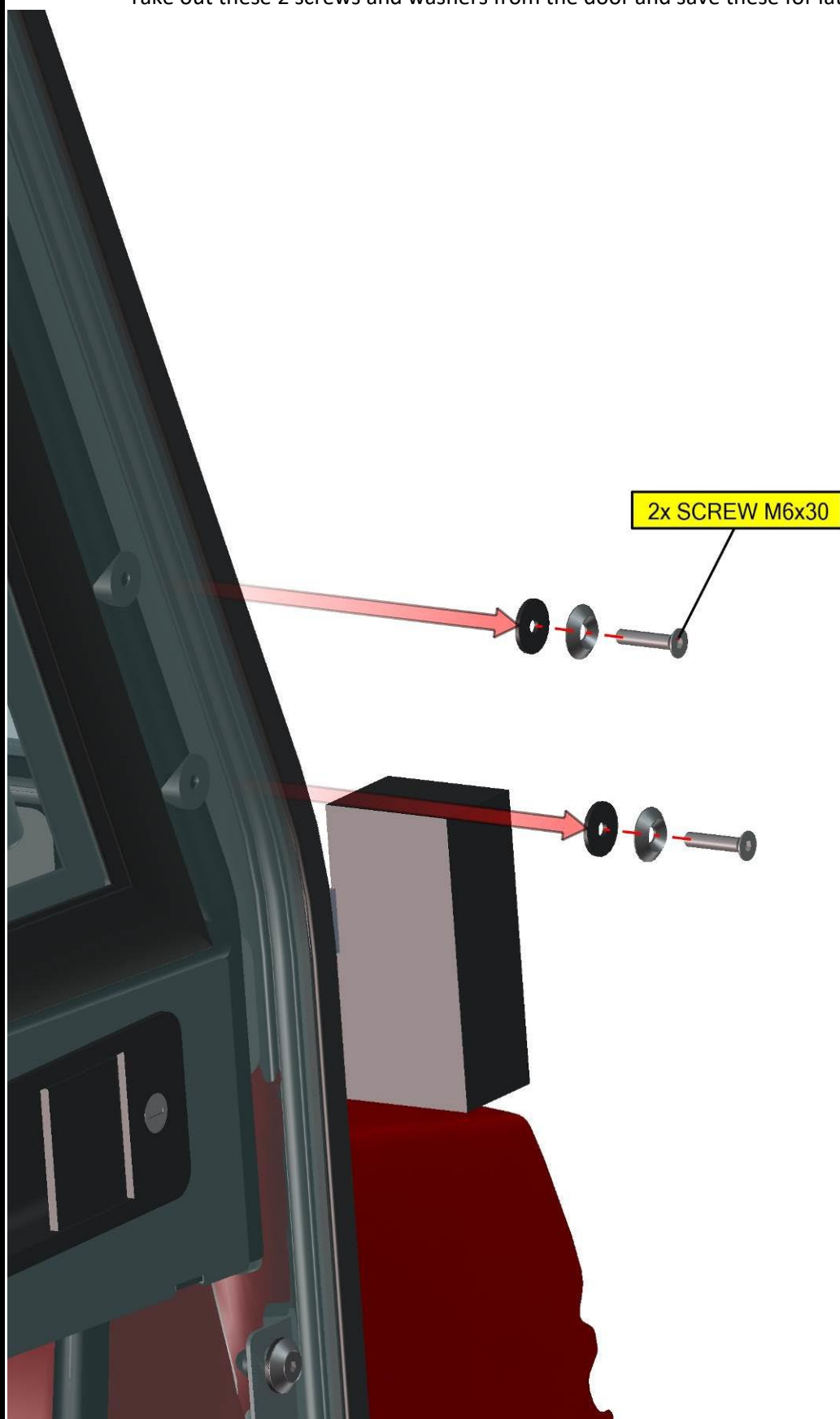


Fix the ledge with the door base by screw, washer, nut and cover.

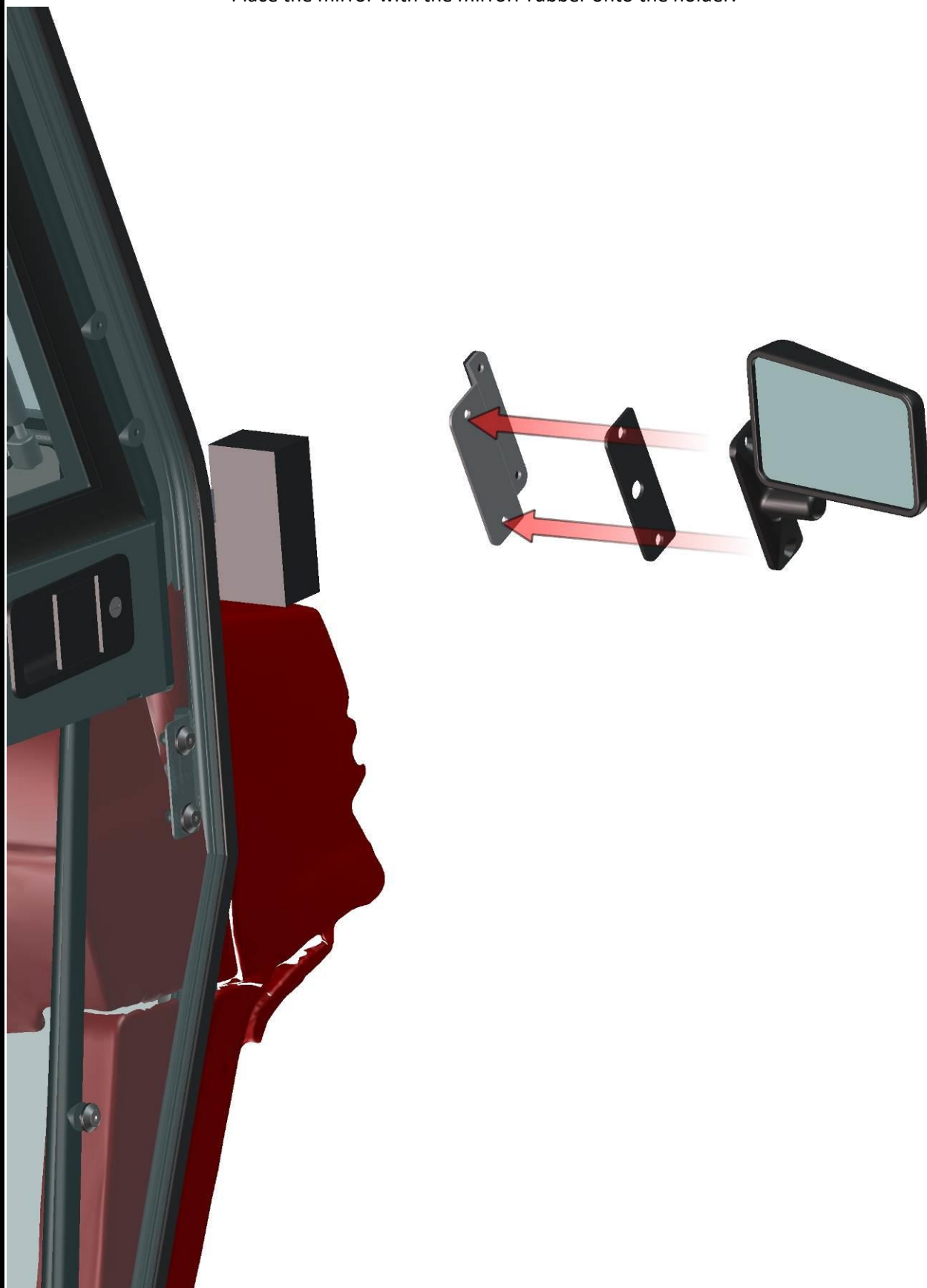


67

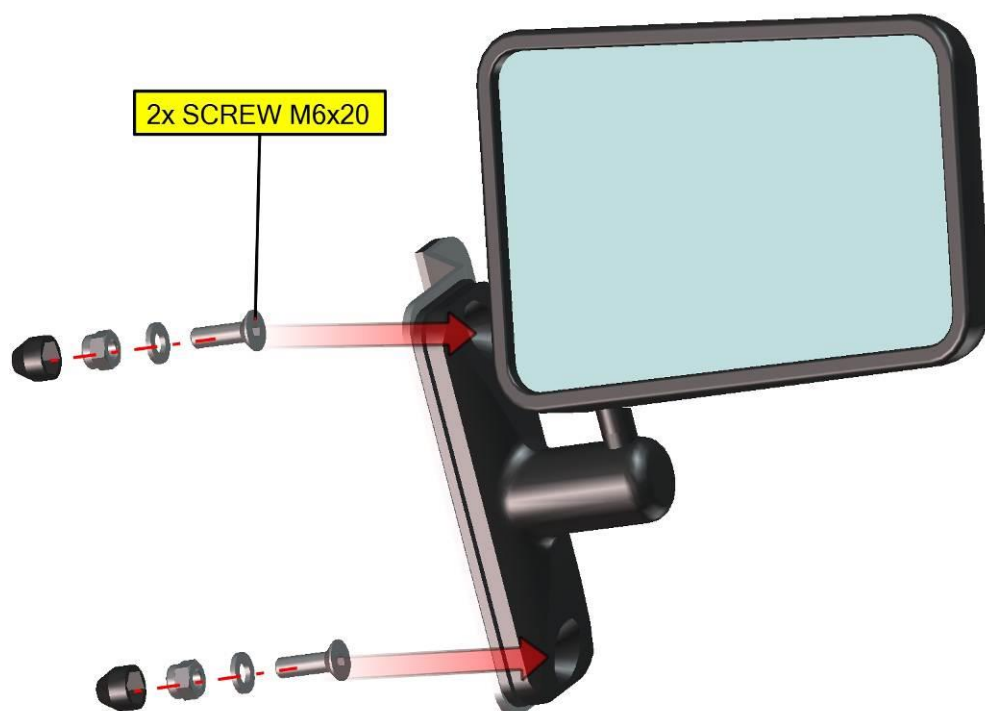
Take out these 2 screws and washers from the door and save these for later usage.



Place the mirror with the mirrorr rubber onto the holder.



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



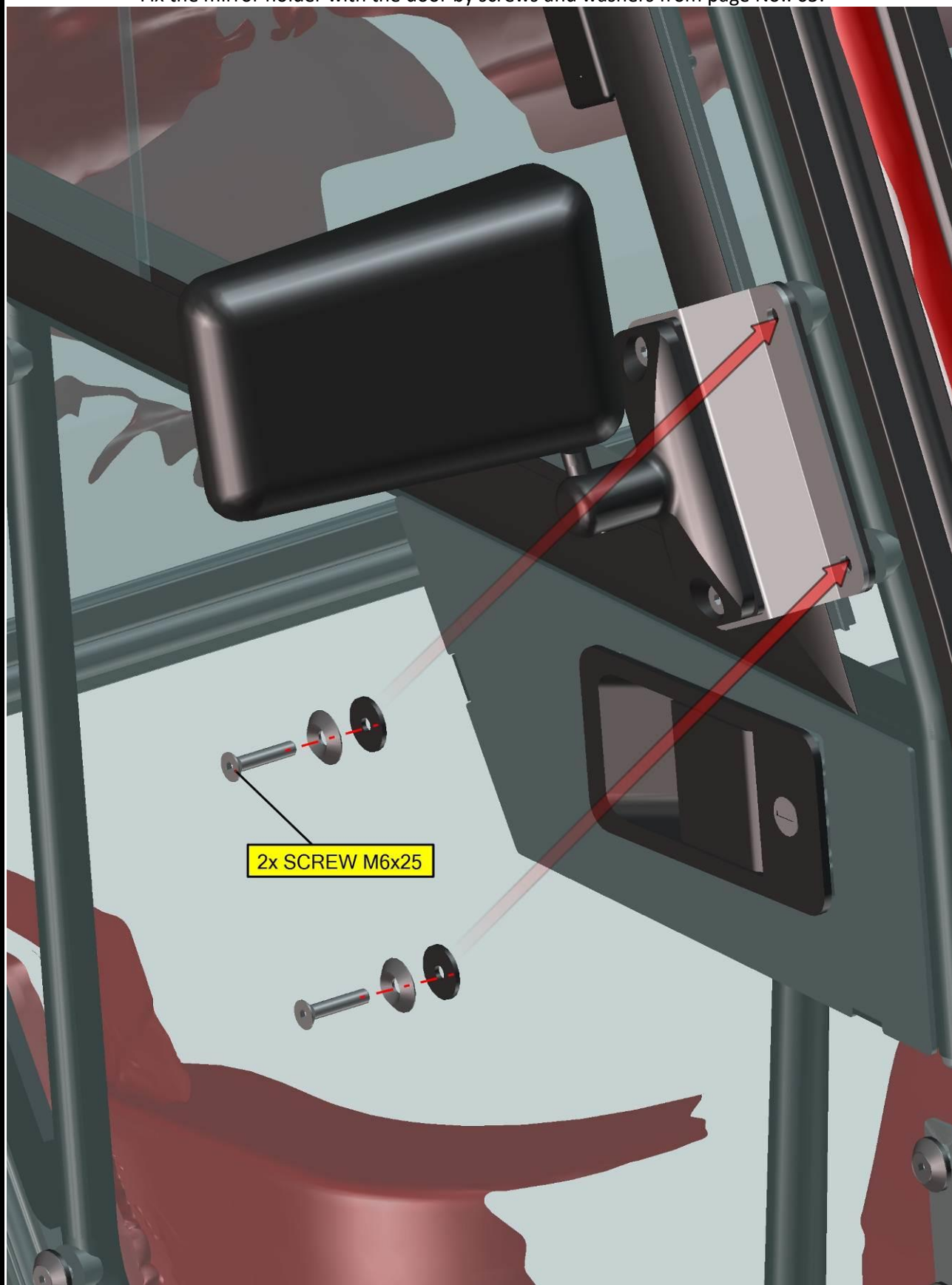
70

Place the mirror assembly onto the door panel.



71

Fix the mirror holder with the door by screws and washers from page No.: 65.



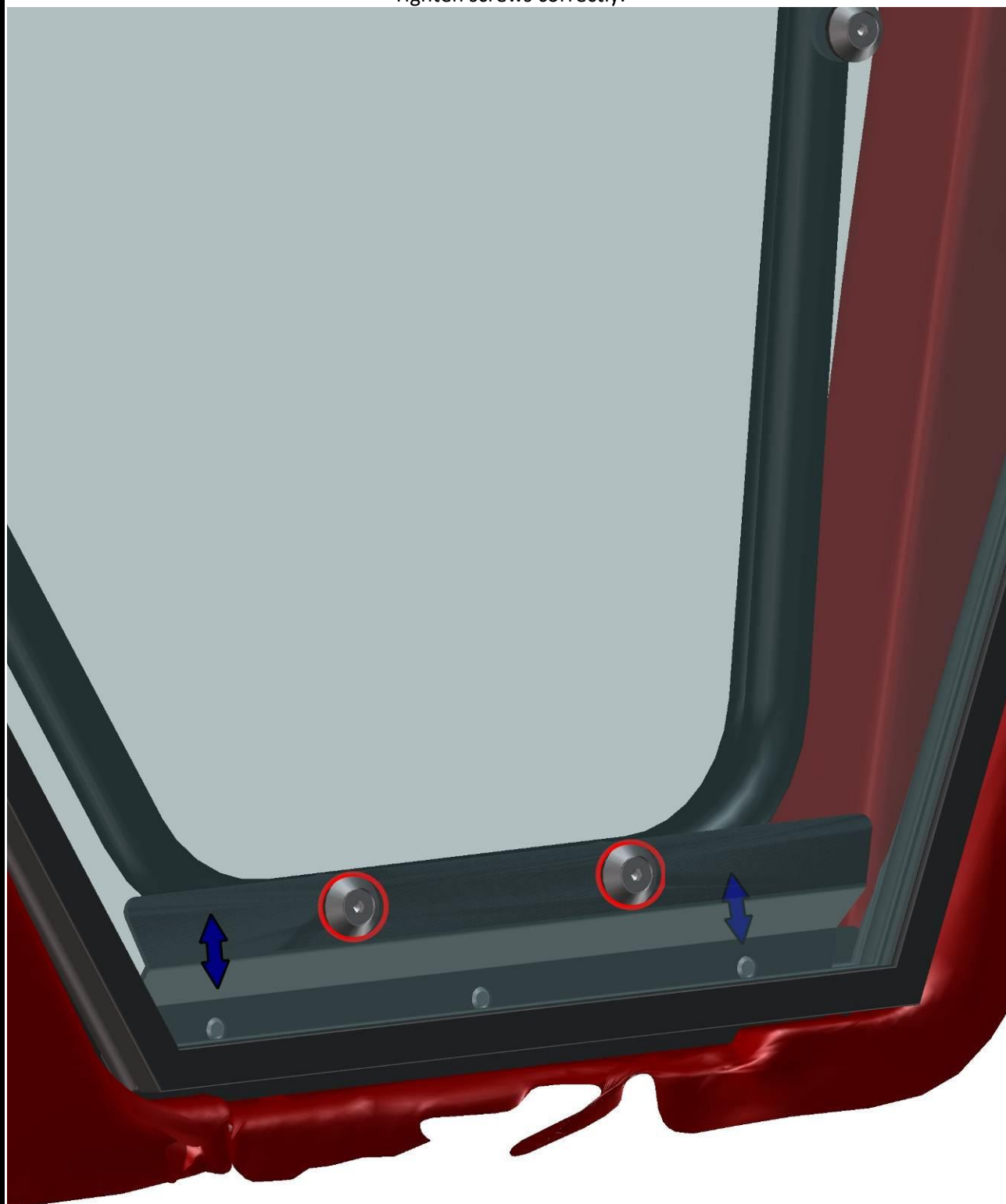
72

Loosen the screws (in red circles) and adjust the front door ledge to best position. Tighten screws correctly.



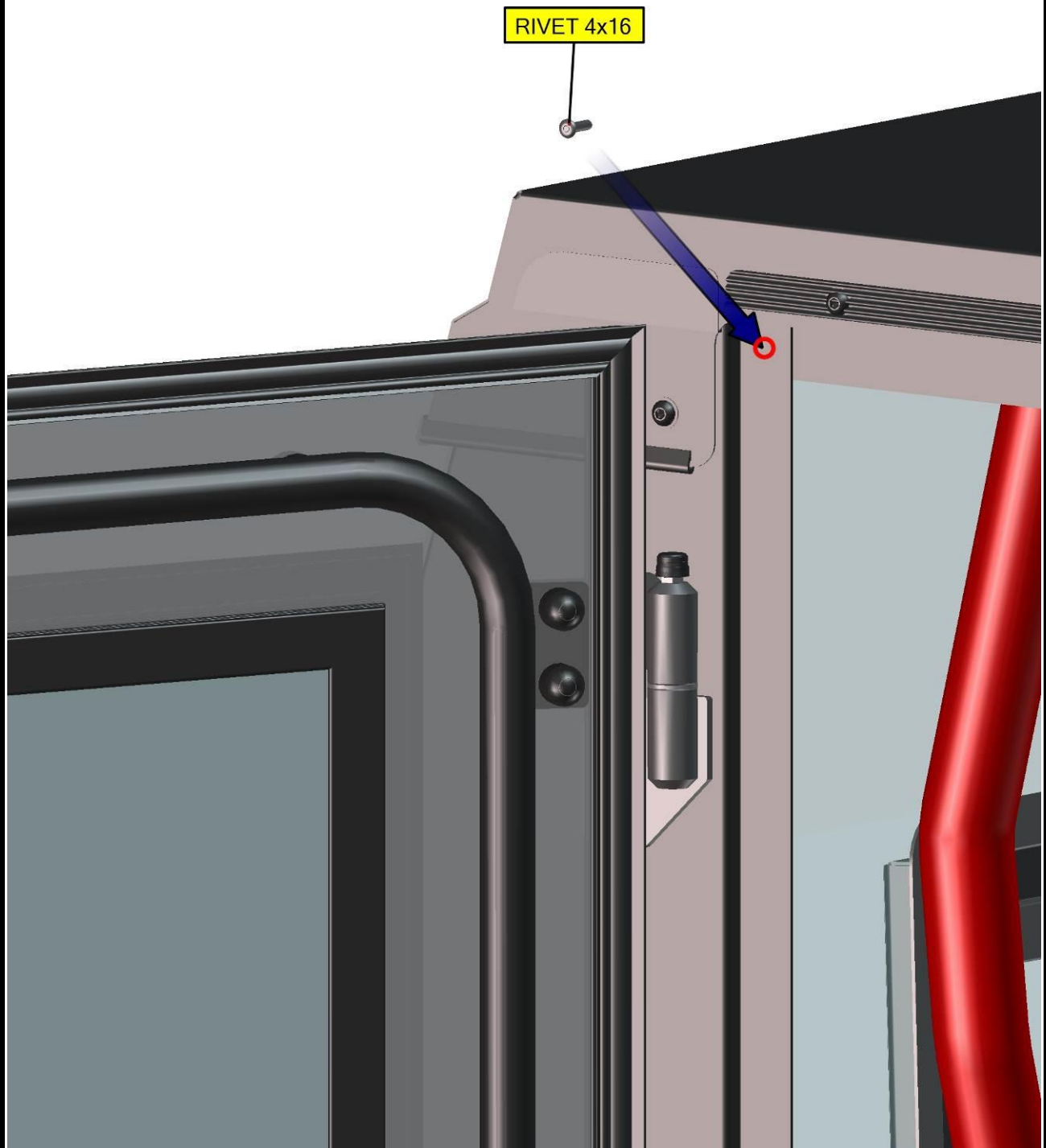
73

Loosen the screws (in red circles) and adjust the bottom door ledge to best position.
Tighten screws correctly.



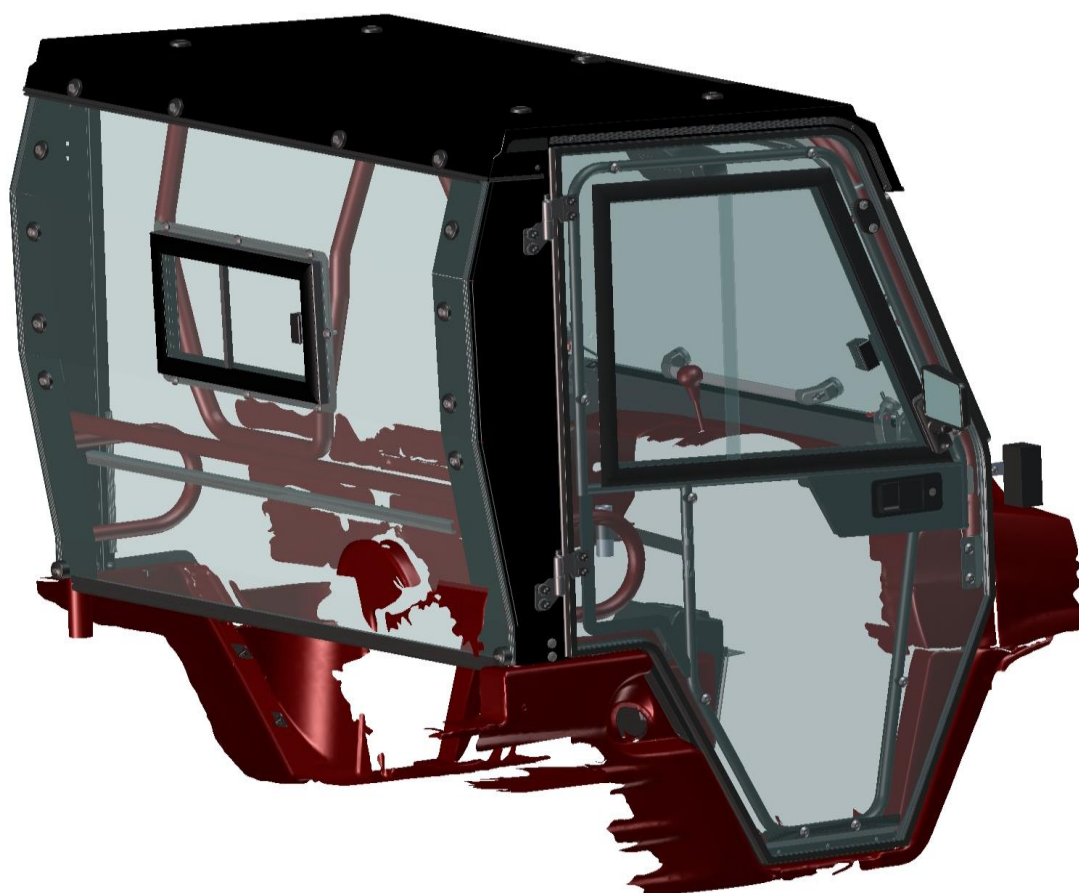
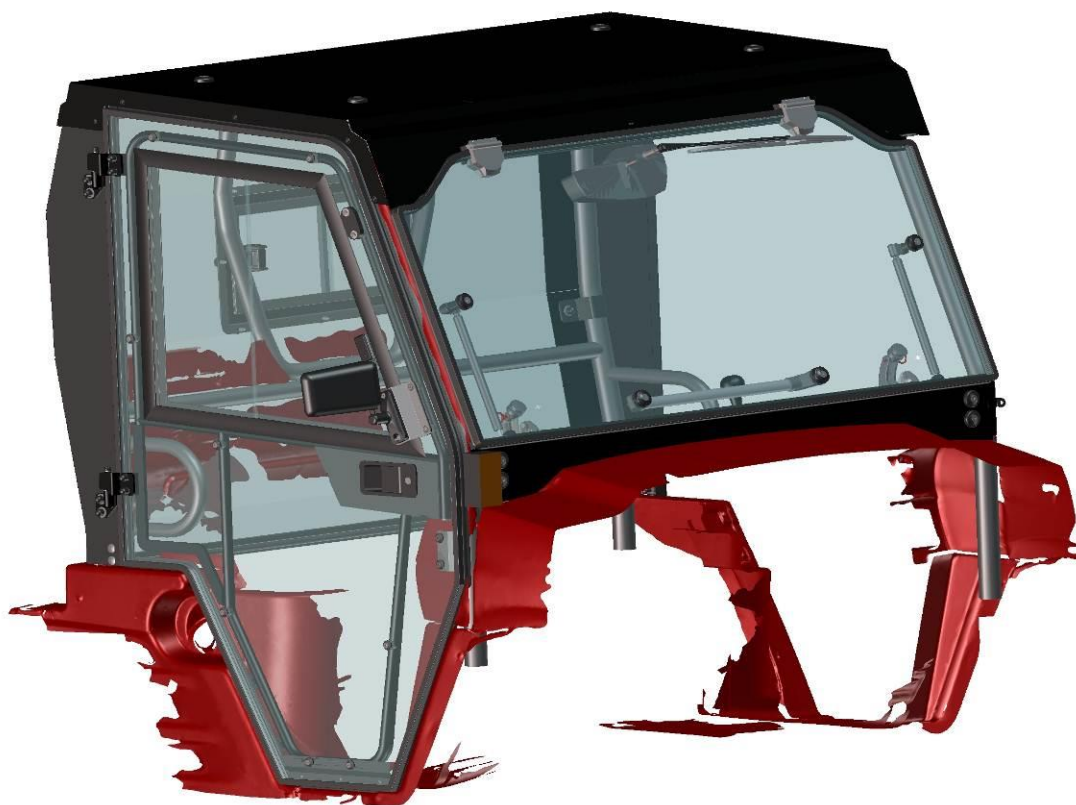
74

If you need, you can fix roof ledges with the door bases by included rivets. Just drill hole $\varnothing 4,2$ mm through both parts, insert the rivet into the holes and tighten rivet hard (rivet tool not included). Repeat previous steps on the left side.



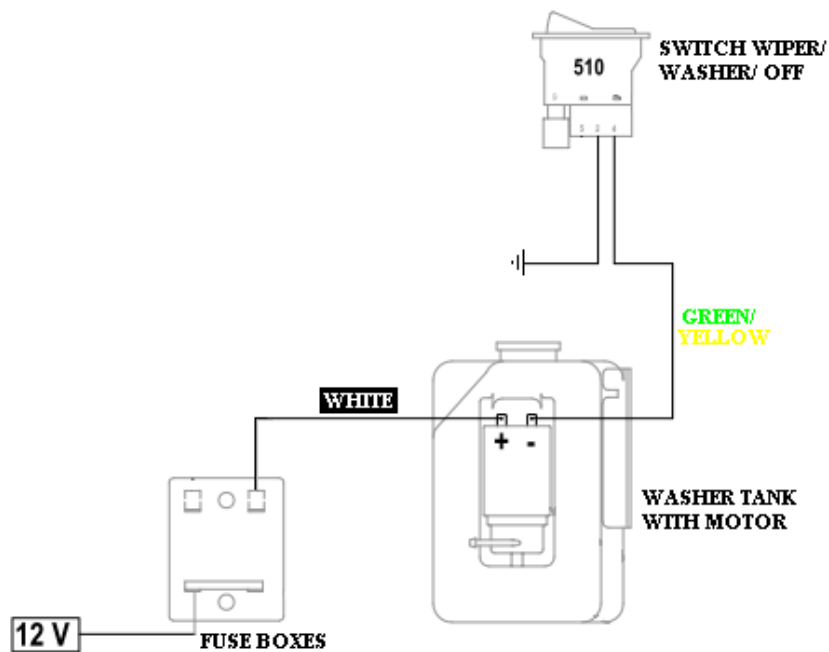
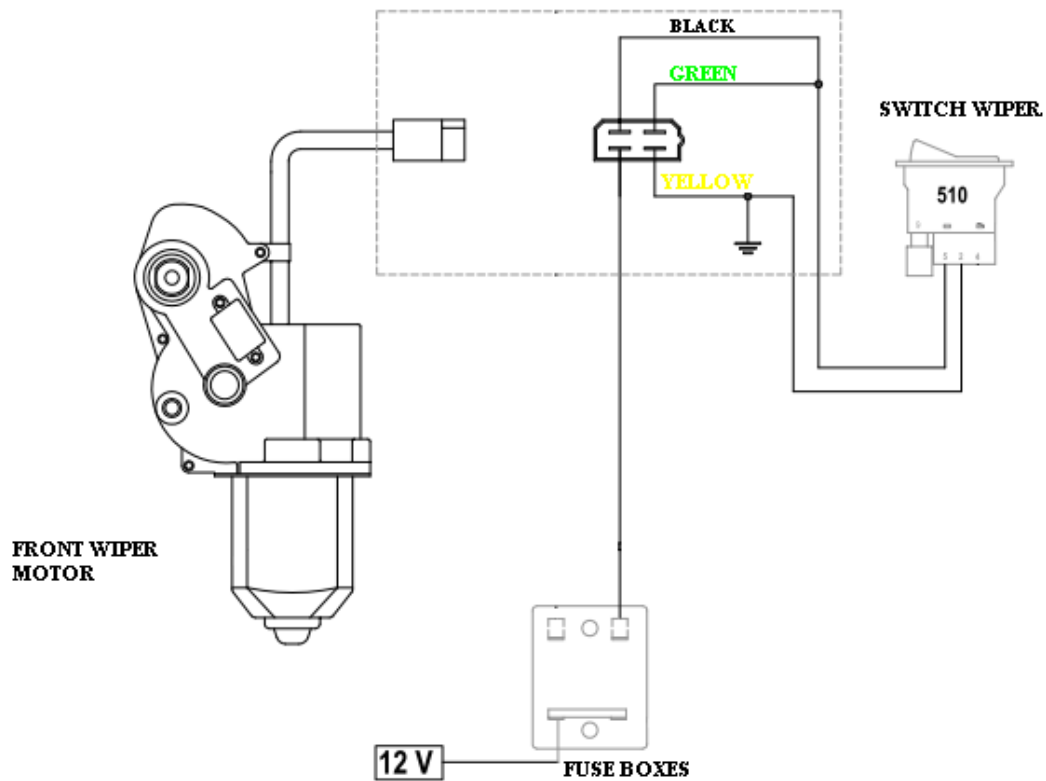
75

Left door installation is similar with the right door insatallation, just repeat previous steps with left parts.

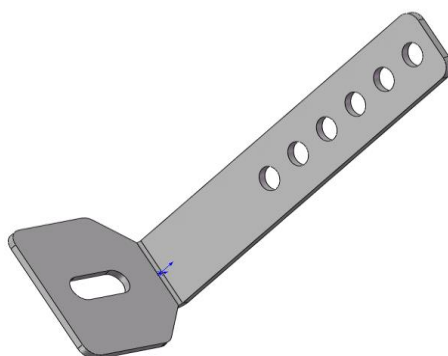


ELECTROINSTALLATION (WIPER/WASHER)

Overall wiring diagram



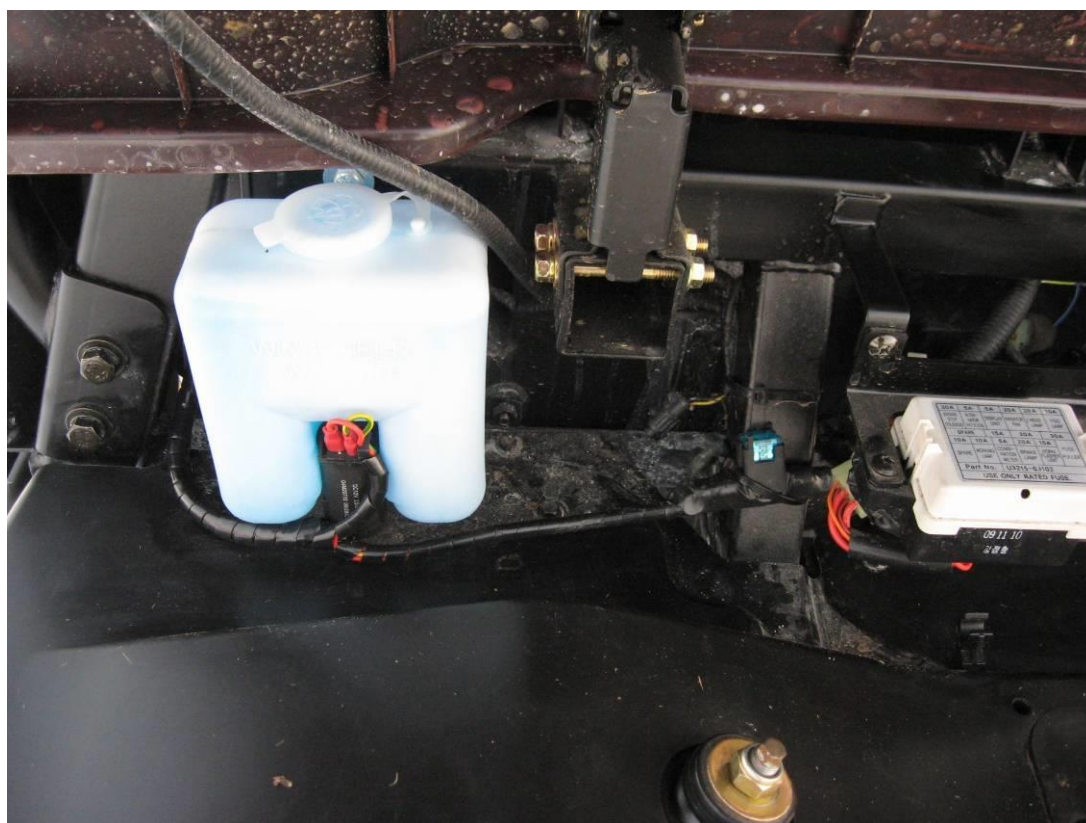
Accessories for mounting the washer tank.



Washer tank placed in front of the cart through the bracket bolt to the truck frame.



Detail view.



View from side

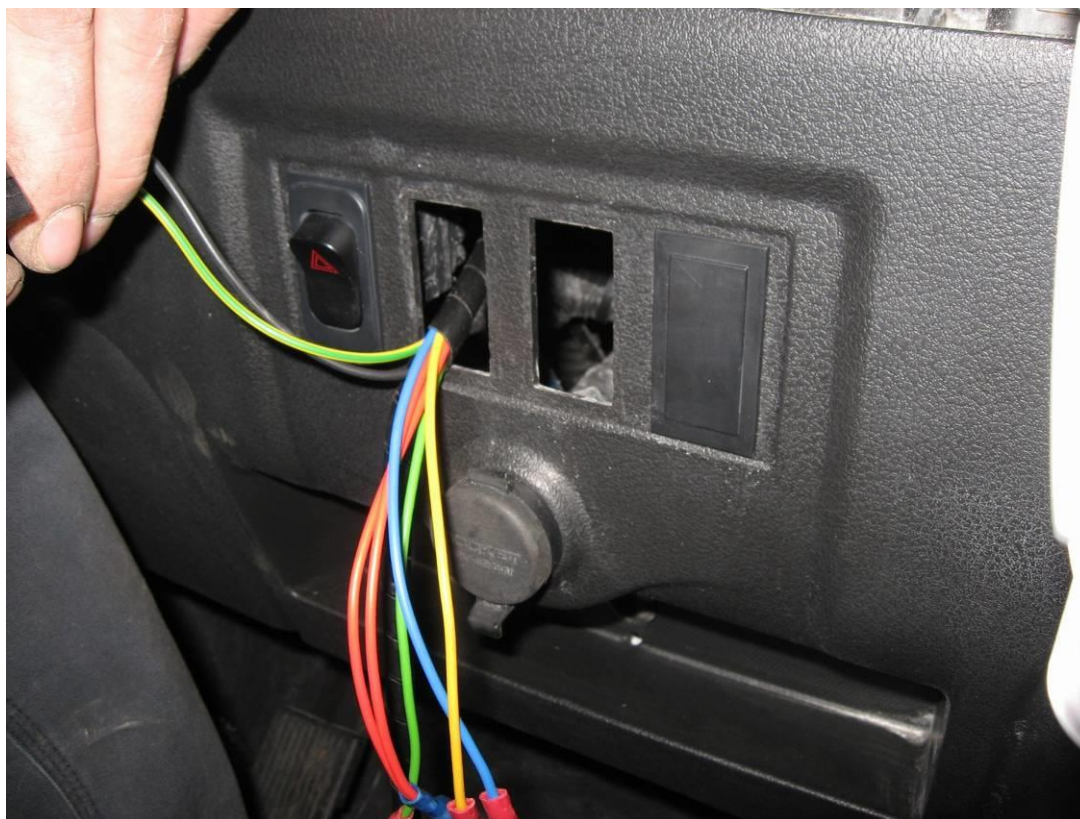


Uninstall the dashboard panel from the dashboard (for wiring the switch).

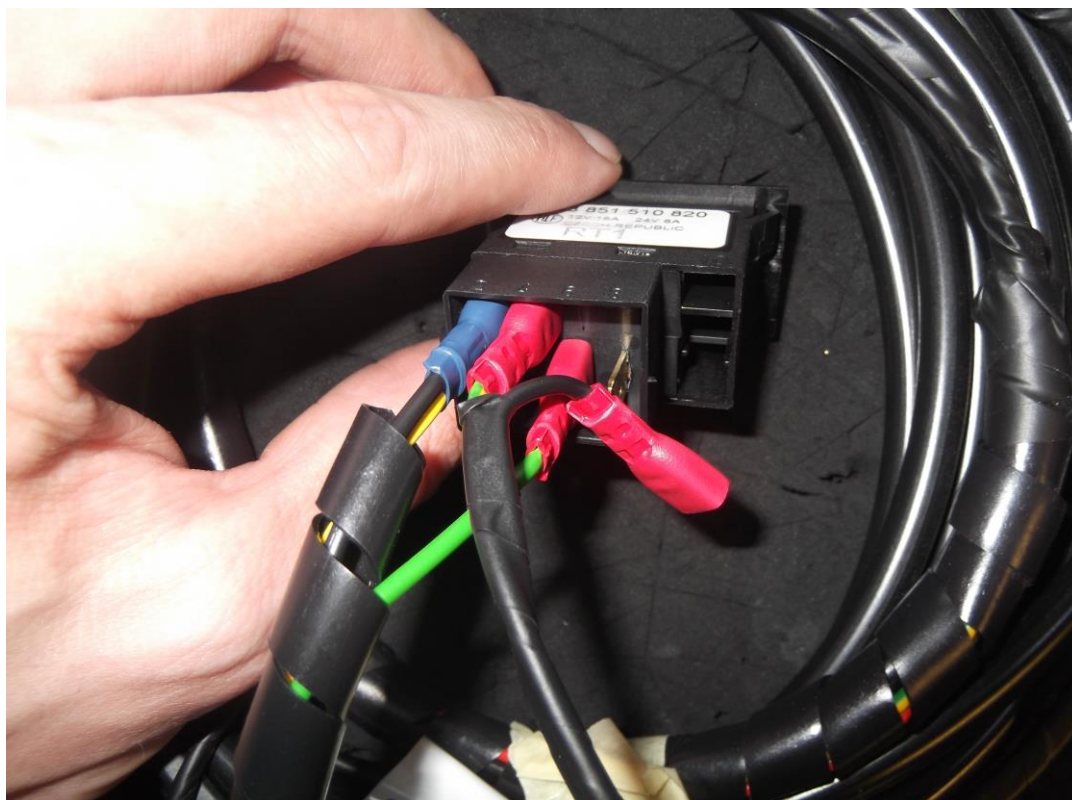


80

Stretch the harness from the front of the cart into the dashboard to switches position.



Connection terminal for electrical wiring switch(wiper/washer).



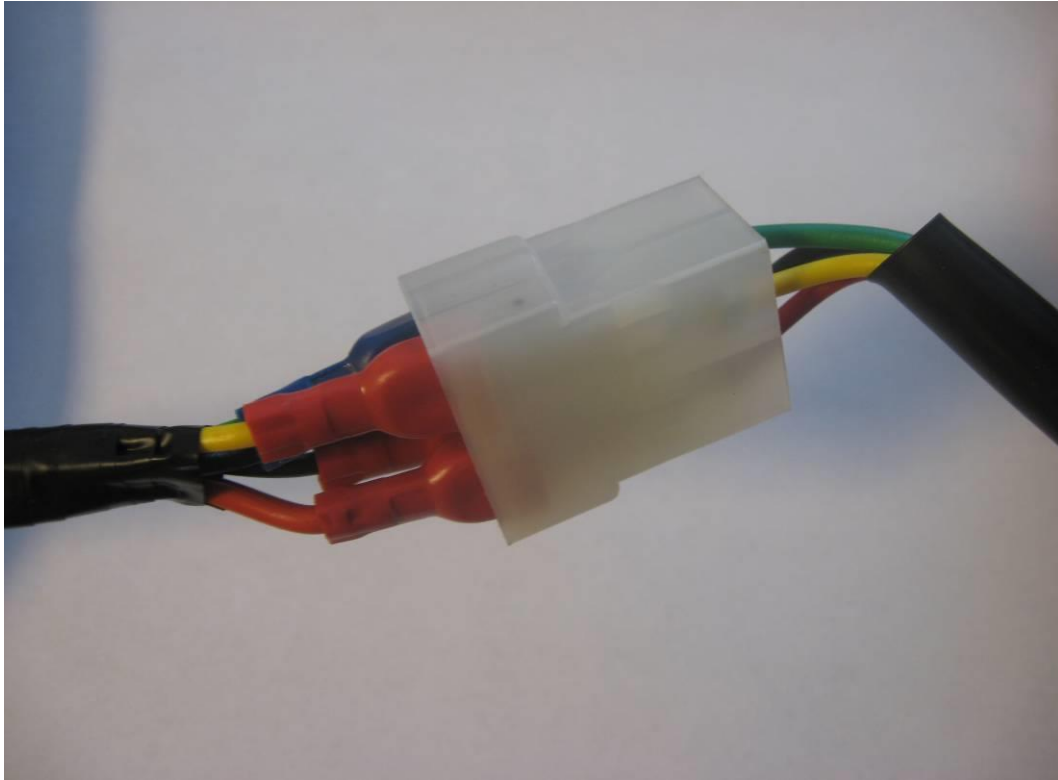
Stretching harness the dashboard to the right front upright frame. Place a grommet for electrical wiring according to the photograph.



Pulling electrical wiring in the right front pillar up to the top position with the wiper motor cover. Place the washer hose and harness on the correct position and fix it to the roller cage by the strapping tapes.



Allow the screw in the wiper motor cover and take the cover out.
Connect the harness branch no.: 4 with the wiper motor. (Detail of connection)



Stretch the washer hose through the hole in front glass and connect that with washer hose on the wiper arm by washer tube. **Fill the water to the washer tank before starting usage.**

Connect the last harness with the main electrical distribution through a fuse box and then through the ignition box of truck.