

HardCabs

A DFK AMERICA COMPANY

INSTALLATION INSTRUCTIONS

CUSHMAN **HAULER REFRESH**

v. 6OCT2016



SAFETY INSTRUCTIONS

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

THOUROUGHLY READ ENTIRE ASSEMBLY INSTRUCTIONS BEFORE STARTING THE ASSEMBLY OF THE CAB KIT

ALL PARTS shown in the assembly instructions MUST BE INSTALLED. Failure to fully assemble the 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 in this section.

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 the front tilt windshield before driving the vehicle could result in serious injury.

Please be careful to not break the large black plastic washers by overtightening. Torque screws to a maximum 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 NON-ABRASIVE means.

Wash away dirt and dust using a gentle water stream and wipe only with wet or damp soft cloth from top to bottom.

The recommended frequency of cleaning of polycarbonate panels is about 1 time per month or as needed when excessively dirty.

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

Do not use solvents or alkaline detergents or cleaners containing ammonia.

Do not remove mud or debris from any of the cab surfaces using razor blades, squeegee or other sharp items.

Do not clean cab when the polycarbonate panels have been heated by the sun.

Do not use a squeegee on the inside of the windshield as it WILL damage the safety laminate.

Do not power wash any panel at 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 checked by the user at regular intervals and tightened when necessary.

Please be careful to not break the large black plastic washers by overtightening. Torque screws to a maximum 3.7 foot-pound force (5 Nm)!!!

PREPARATION FOR INSTALLATION:

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

[CAB PREVIEW](#)



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SUPPORT FRAME ASSEMBLY

Uninstall the seat back and seat back holders, save the bolts for later use.

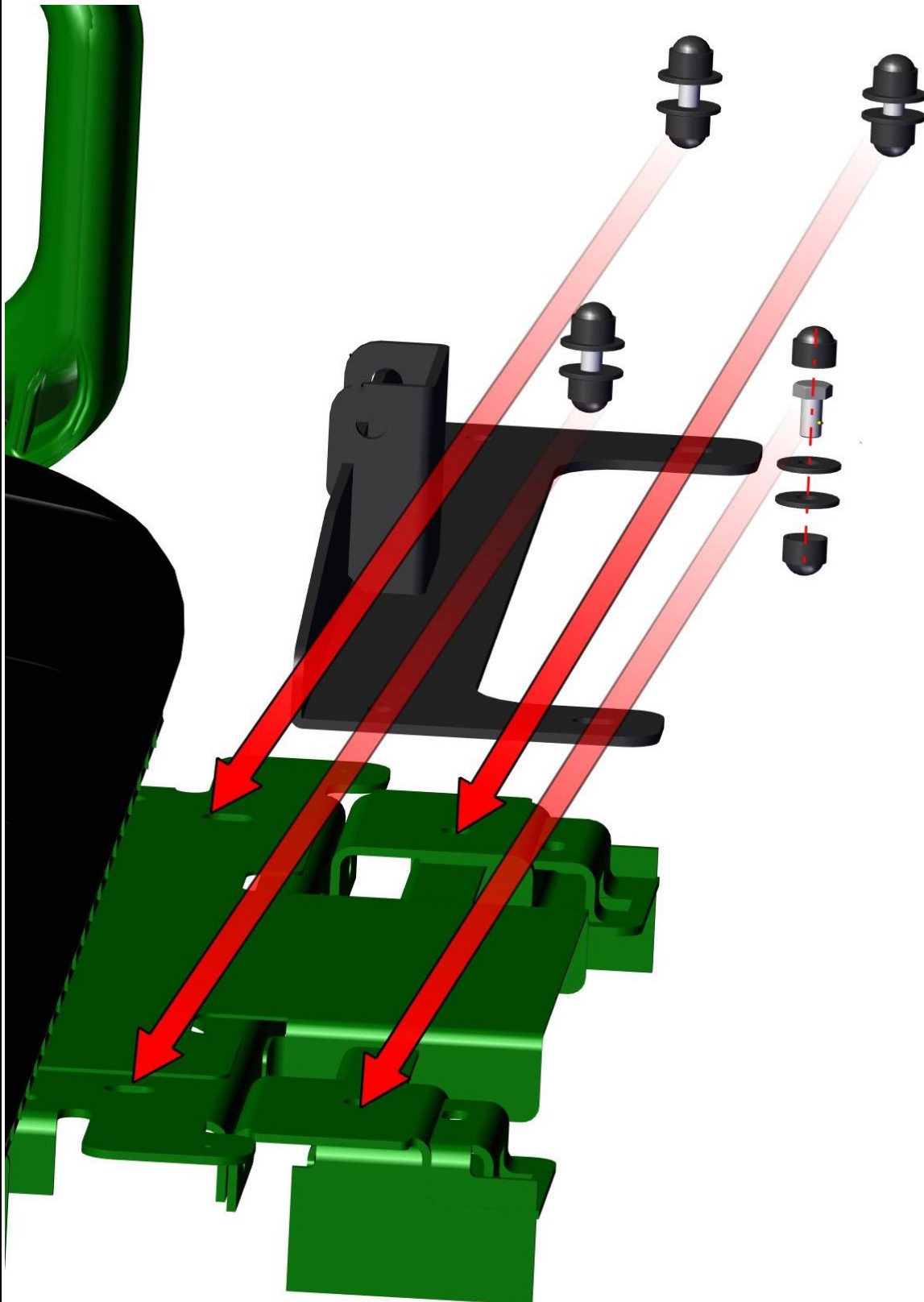


Uninstall the side floor covering ledges on both sides.

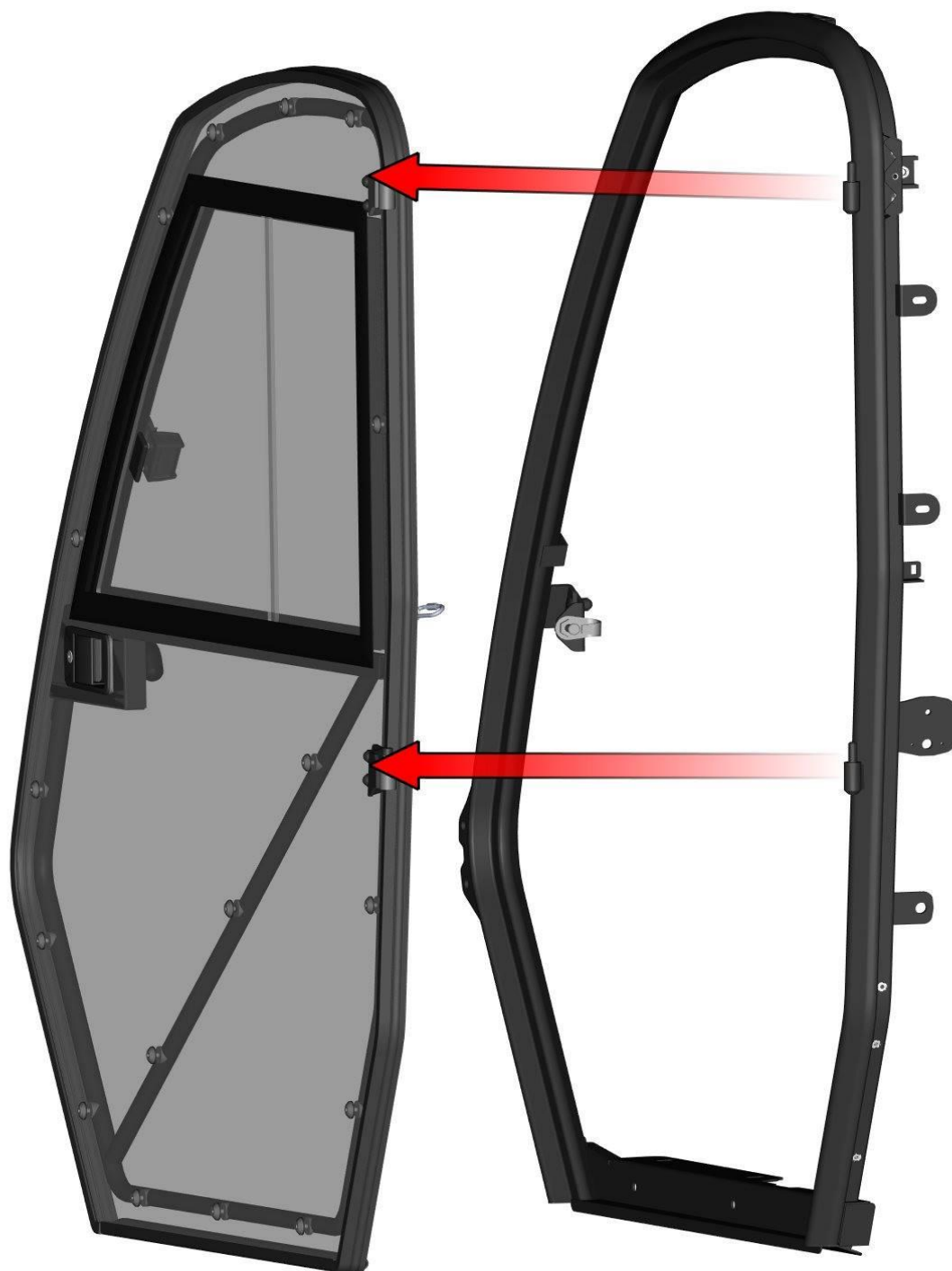


5

Mount the seatbelt holder ledge to the vehicle in the same location where the seat bracket formerly was installed using **original bolts** and tighten hard (use torque value recommended by manufacturer).

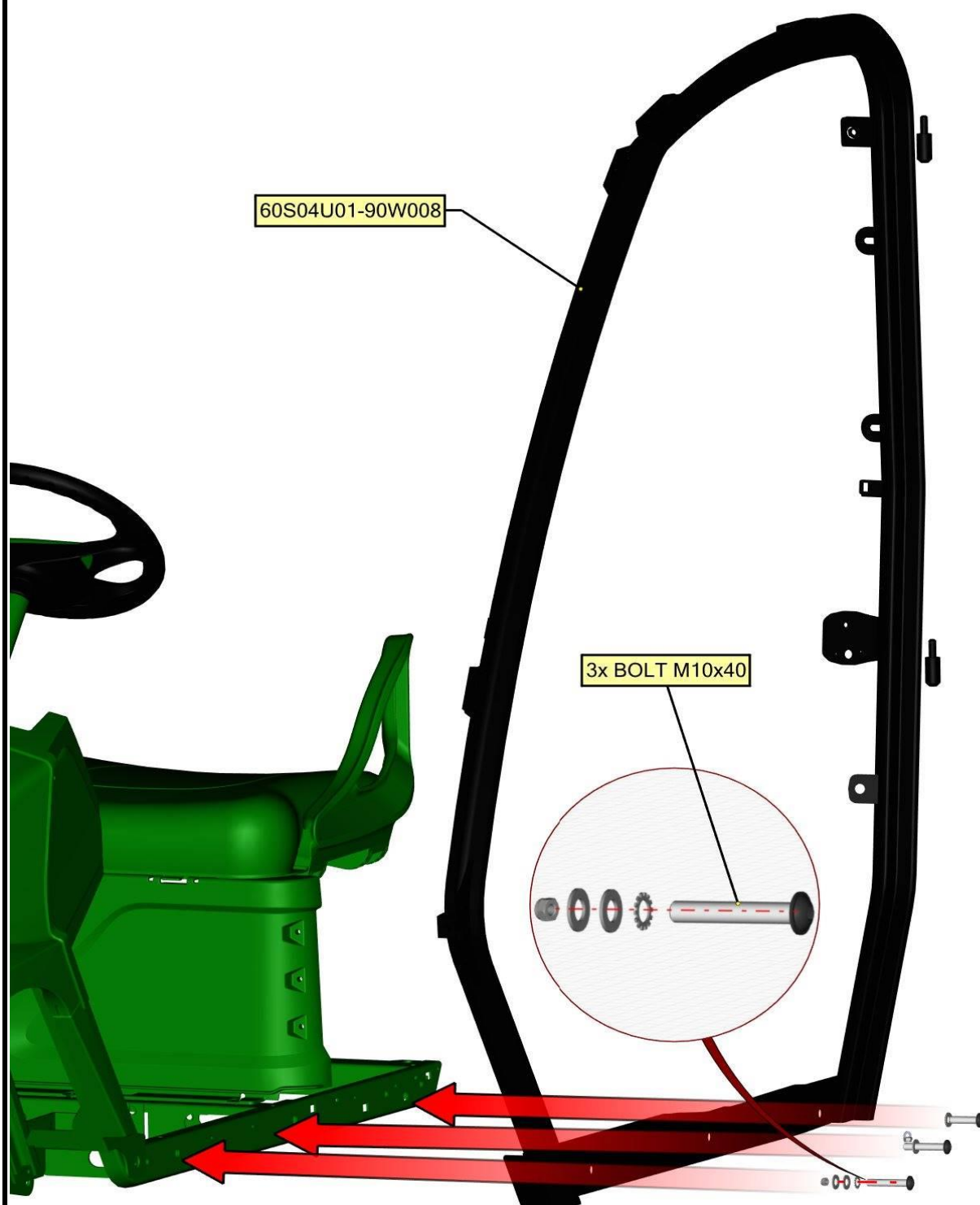


Take the left door assembly out of the left support frame.

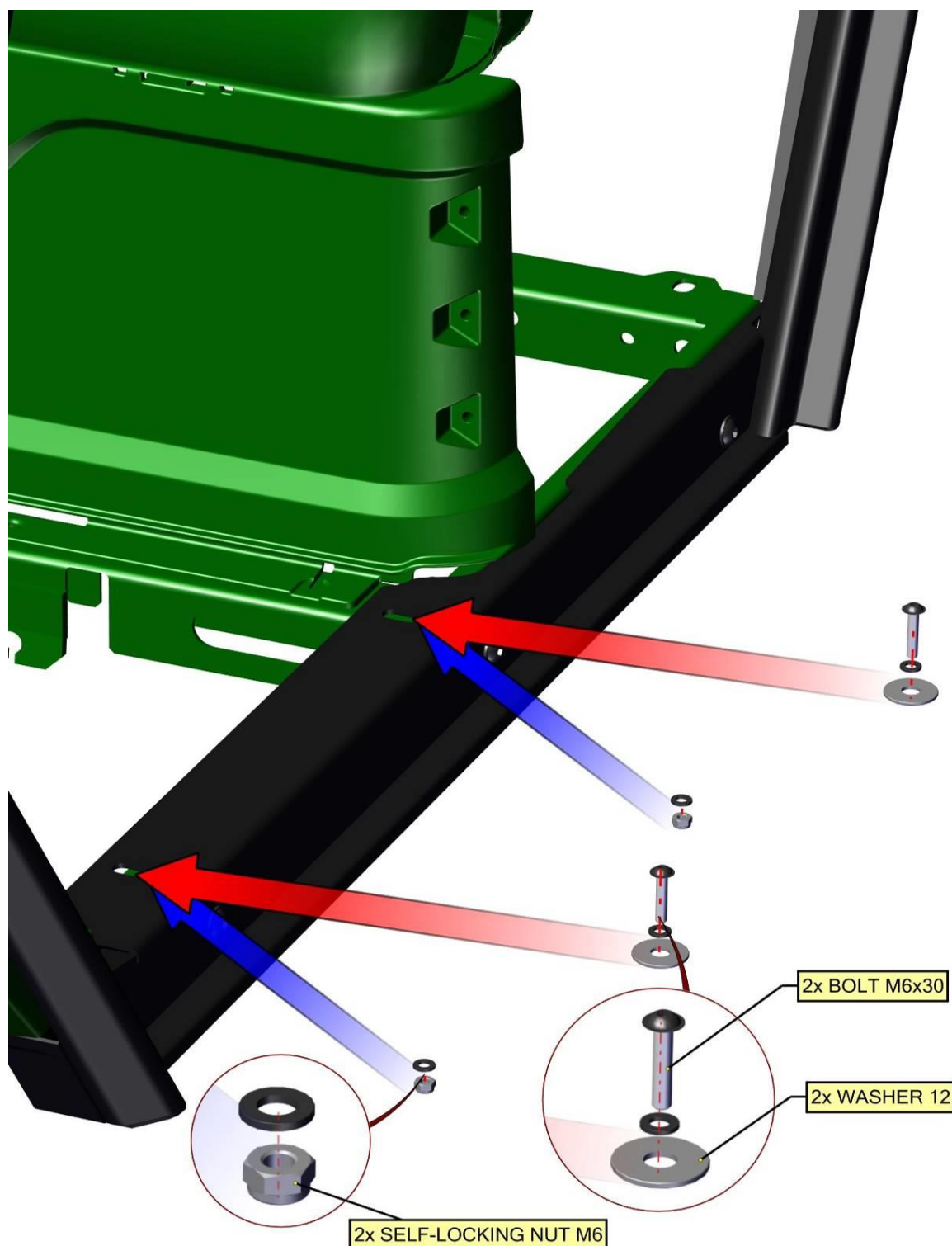


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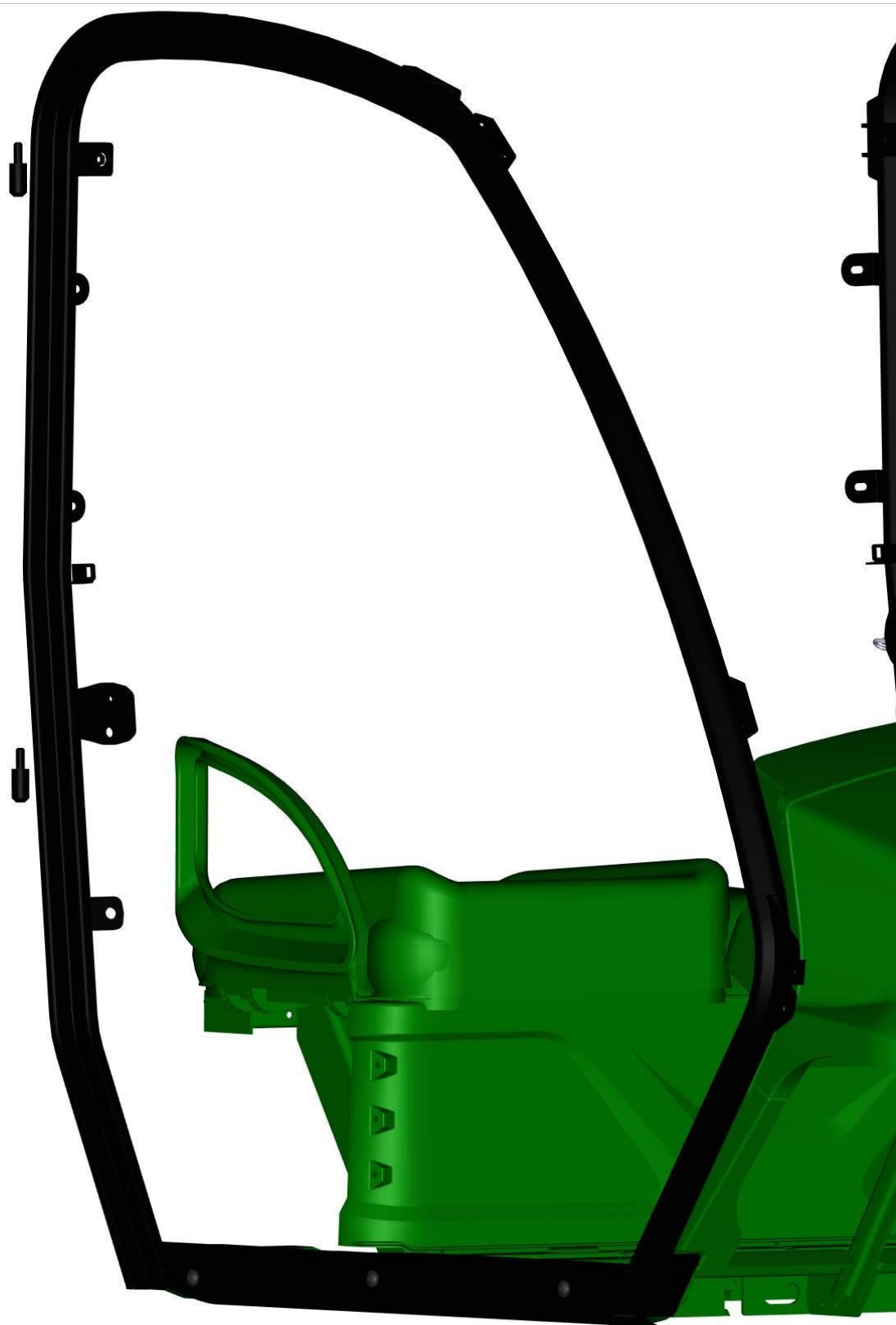
Place the left support frame onto the vehicles side and mount the left support frame to the vehicle using included bolts, washers and nuts and tighten slightly 2.95 ft. lb. (4Nm).



Mount the left support frame to the vehicle floor with included bolts, washers and nuts, tighten slightly 2.95 ft. lb. (4Nm).

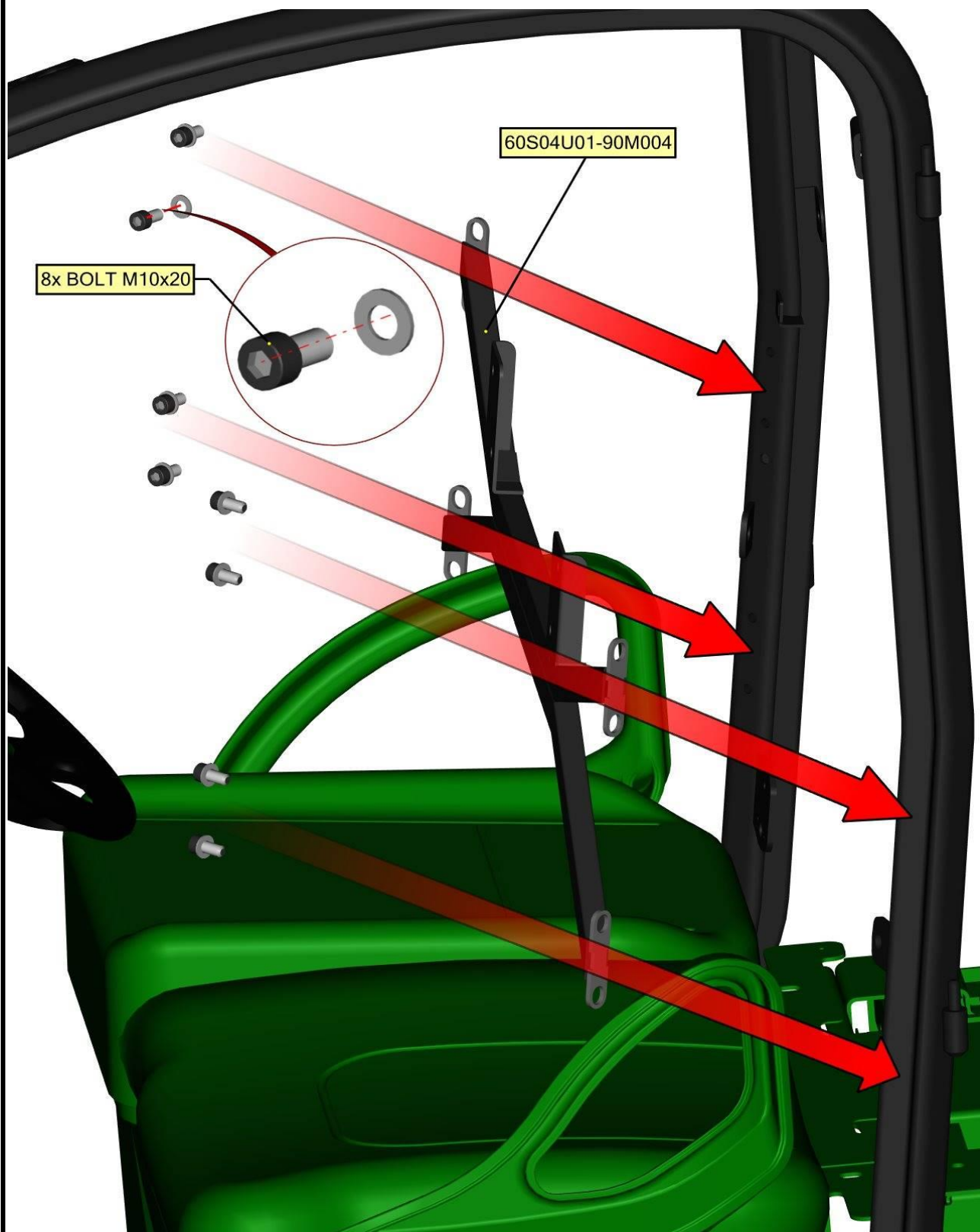


Repeat previous step with the right support frame.

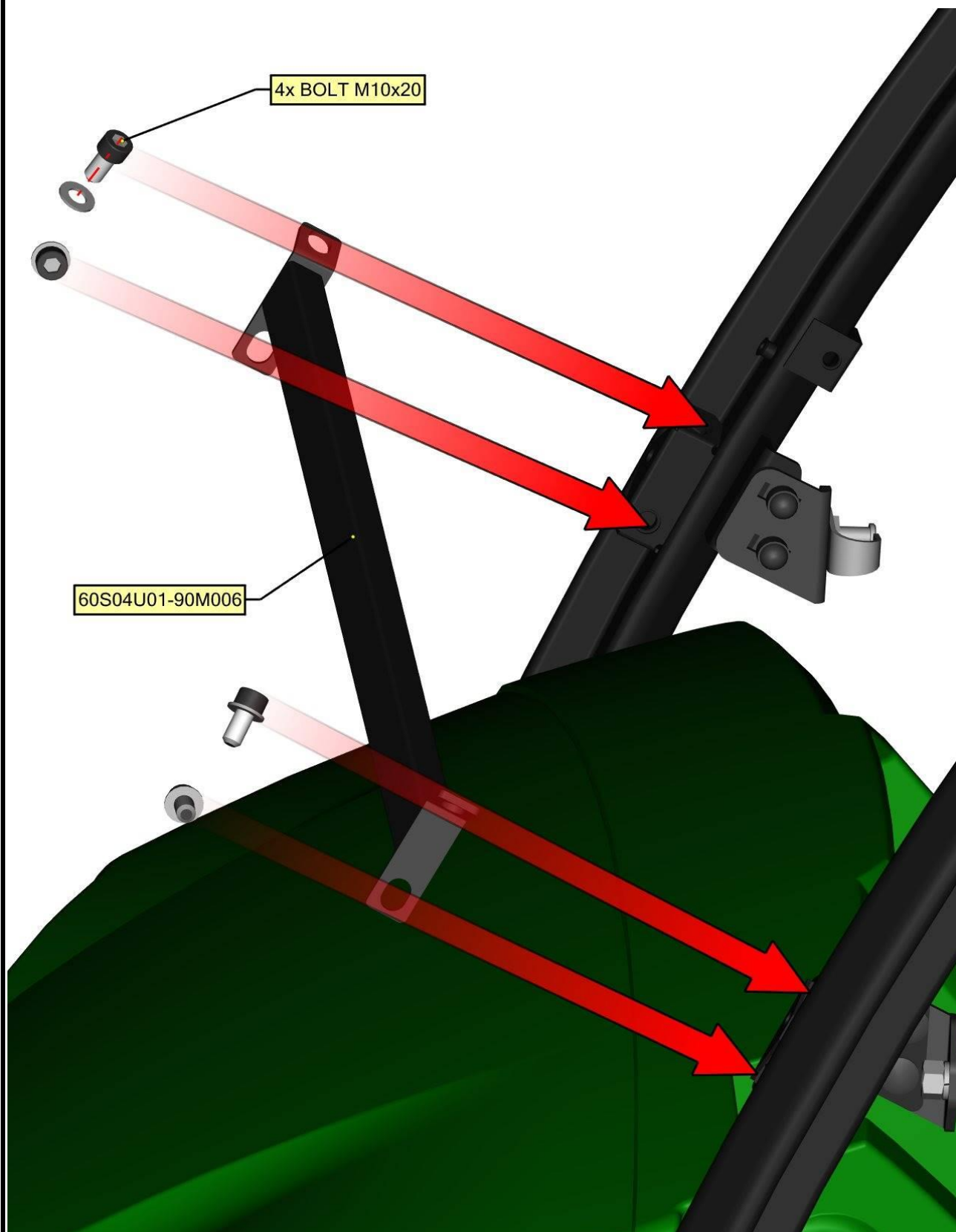


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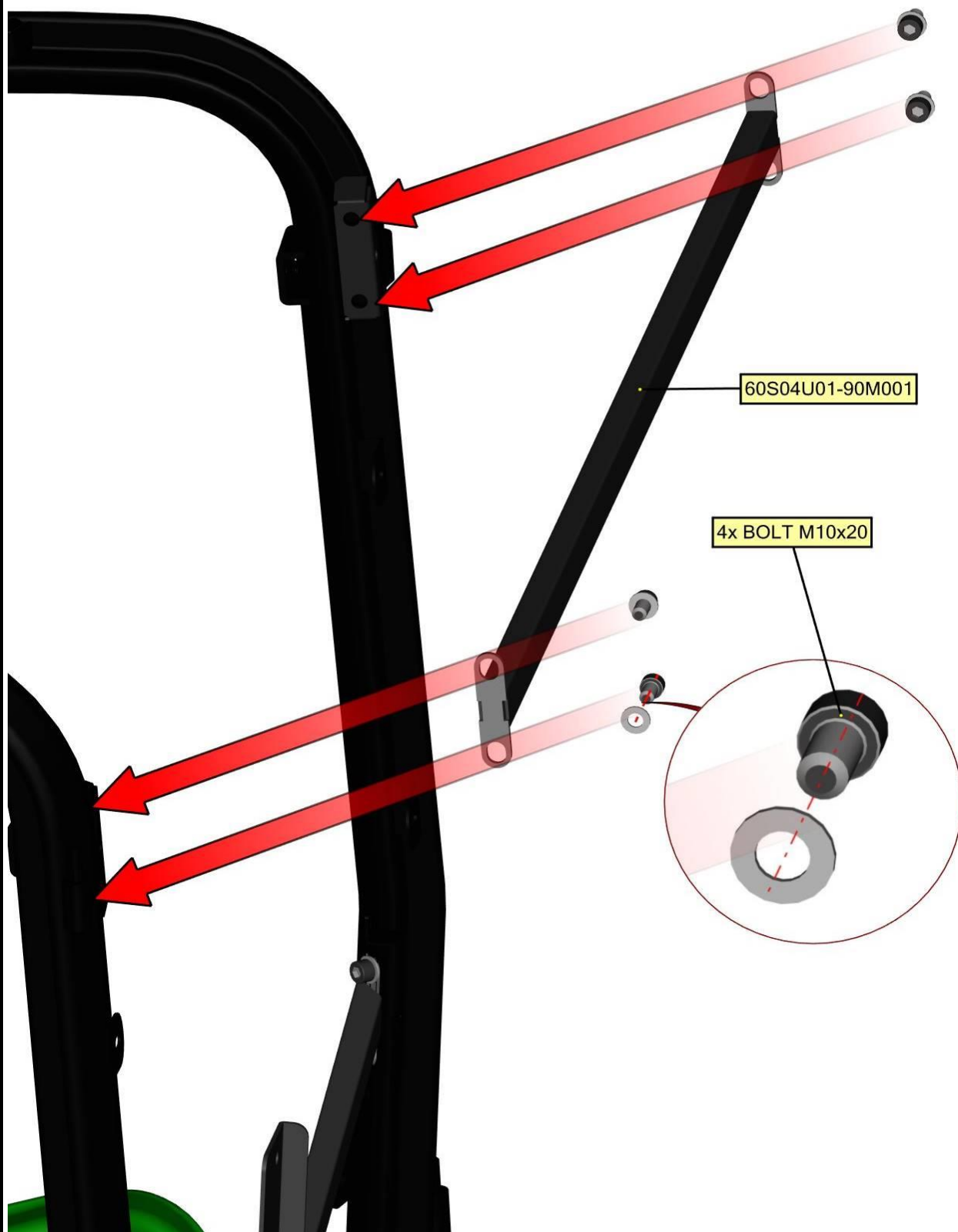
Place the rear "X" cross onto the frames and mount it with the included bolts and washers and tighten slightly 1.5 ft. lb. (2Nm).



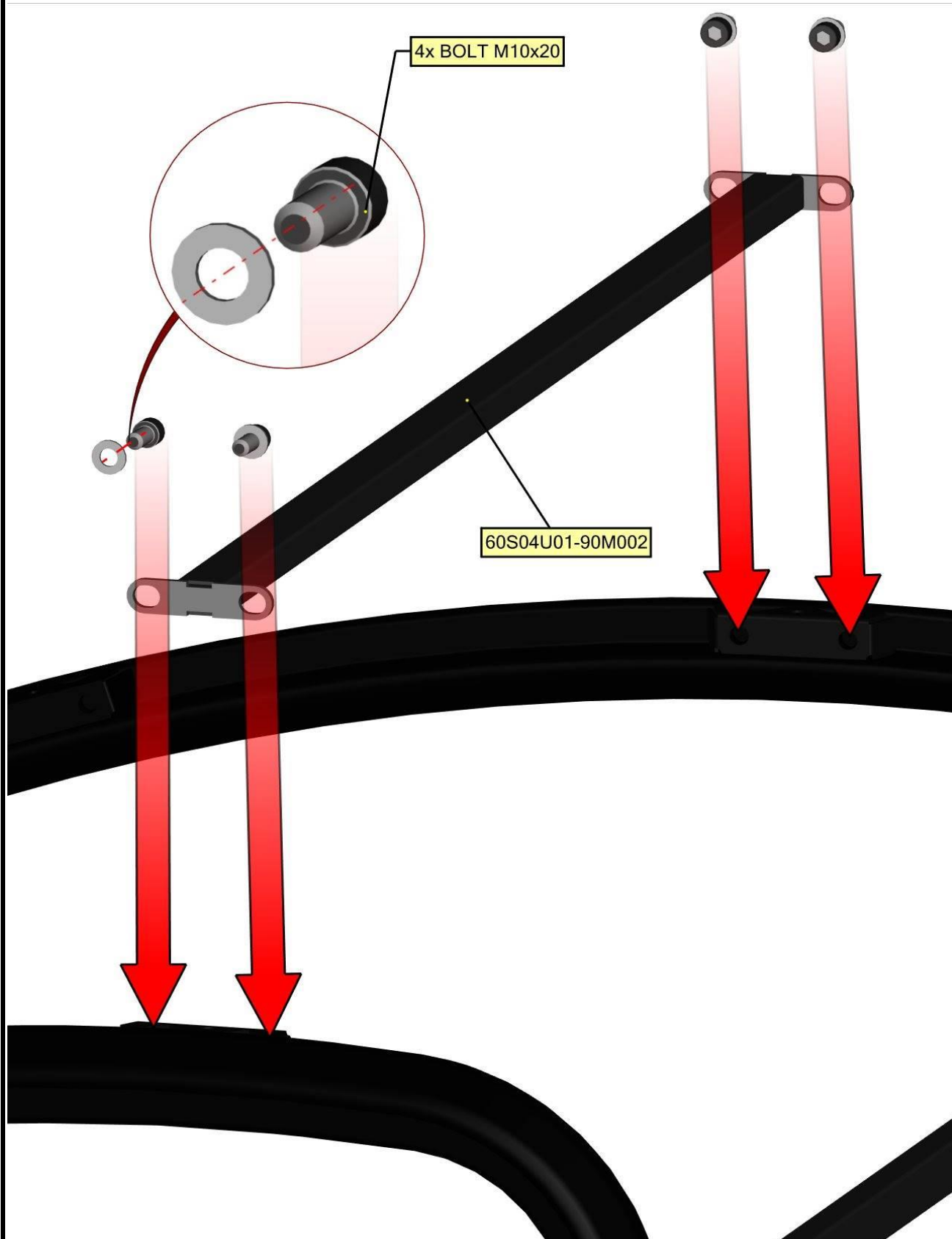
Mount the front bottom frame ledge to the support frame with included bolts and washers and tighten slightly 1.5 ft. lb. (2Nm). Make sure that pre-installed rivet nuts are facing inside.



Mount the roof ledges to the support frame with included bolts and washers from longest to shortest and tighten slightly 1.5 ft. lb. (2Nm). Make sure that pre-installed rivet nuts are facing outside.

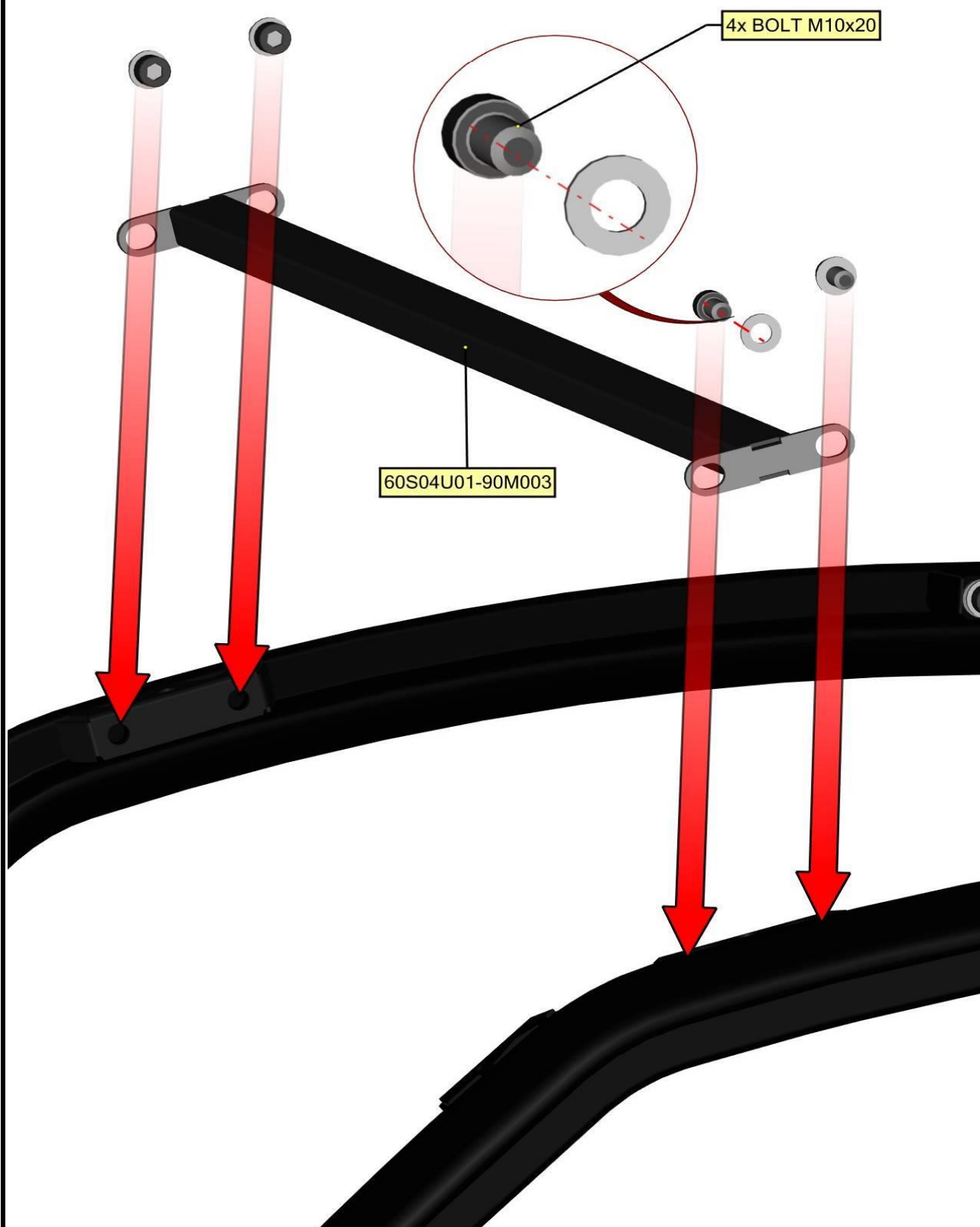


Make sure that upper ledges narrower side is oriented to front.

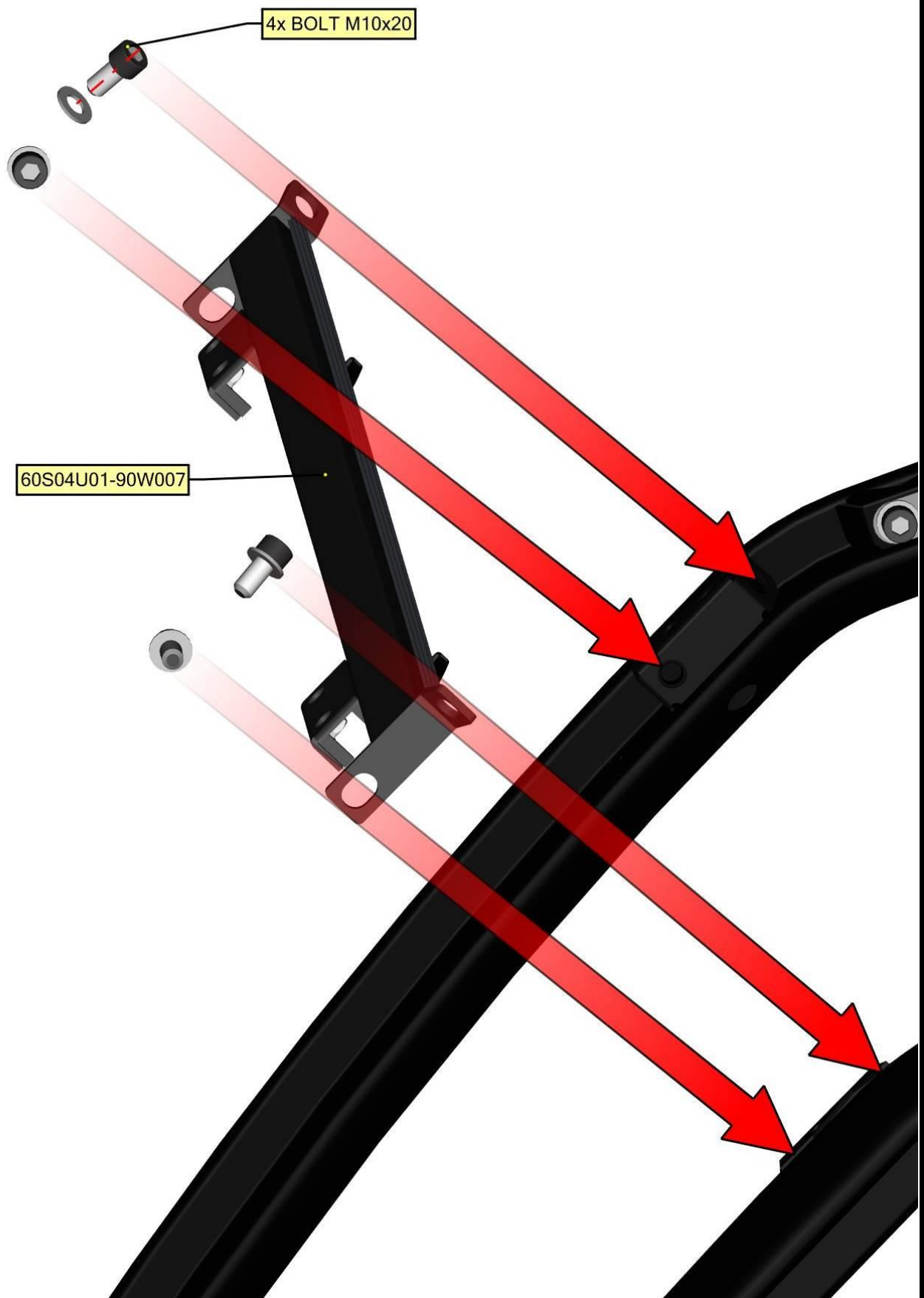


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Make sure that upper ledges narrower side is oriented to front.

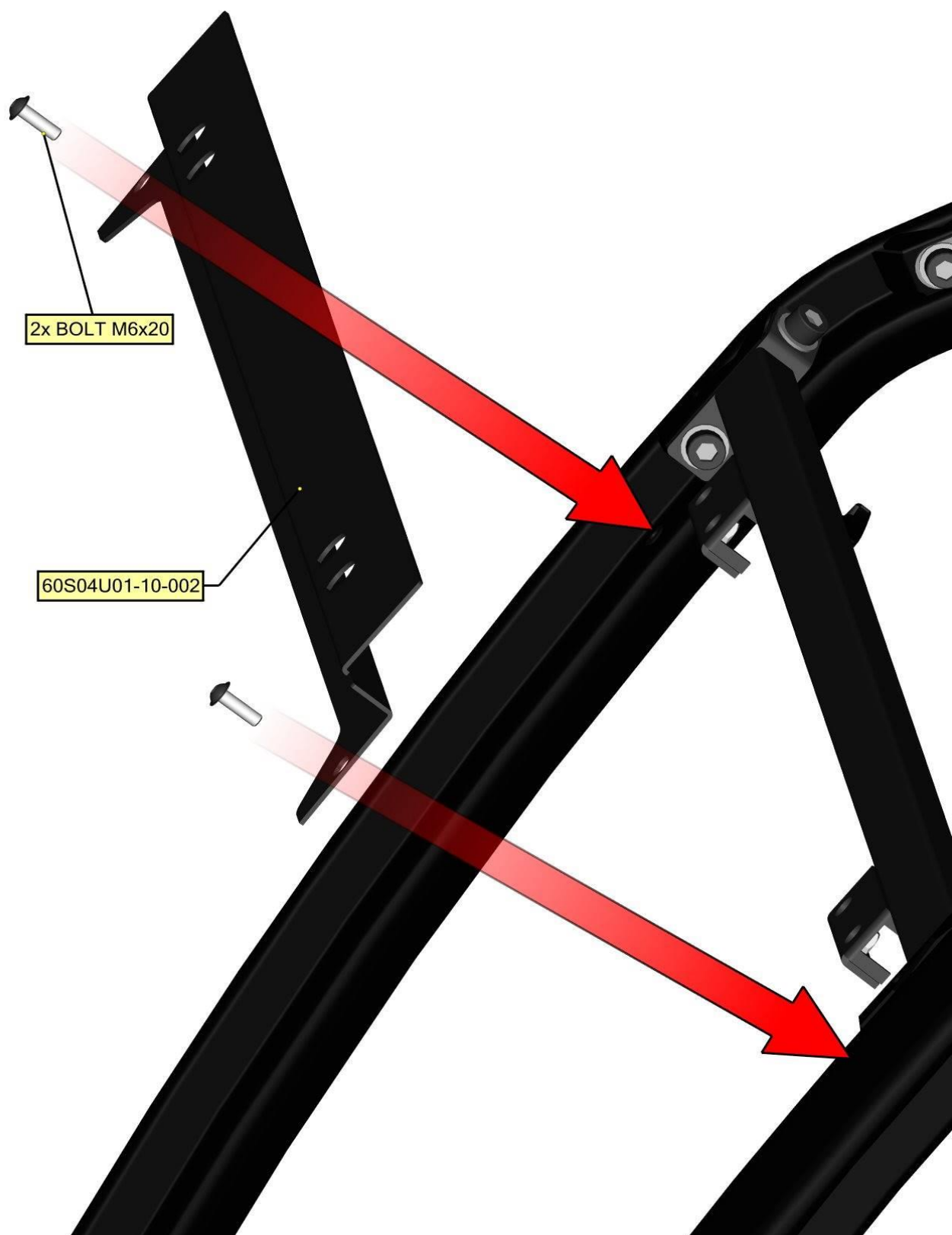


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Mount the front upper ledge cover to the frame with included bolts and tighten slightly 1.5 ft. lb. (2Nm).



IMPORTANT: Align the whole support frame assembly into correct position; make sure to check that frame is square. To do this measure from the corners and insure that the diagonal distances are even. If not generally square, all bolts must be loosened and frame manually readjusted left or right as needed (opposite direction of the longest diagonal measurement). Re-tighten all bolts and re-measure.



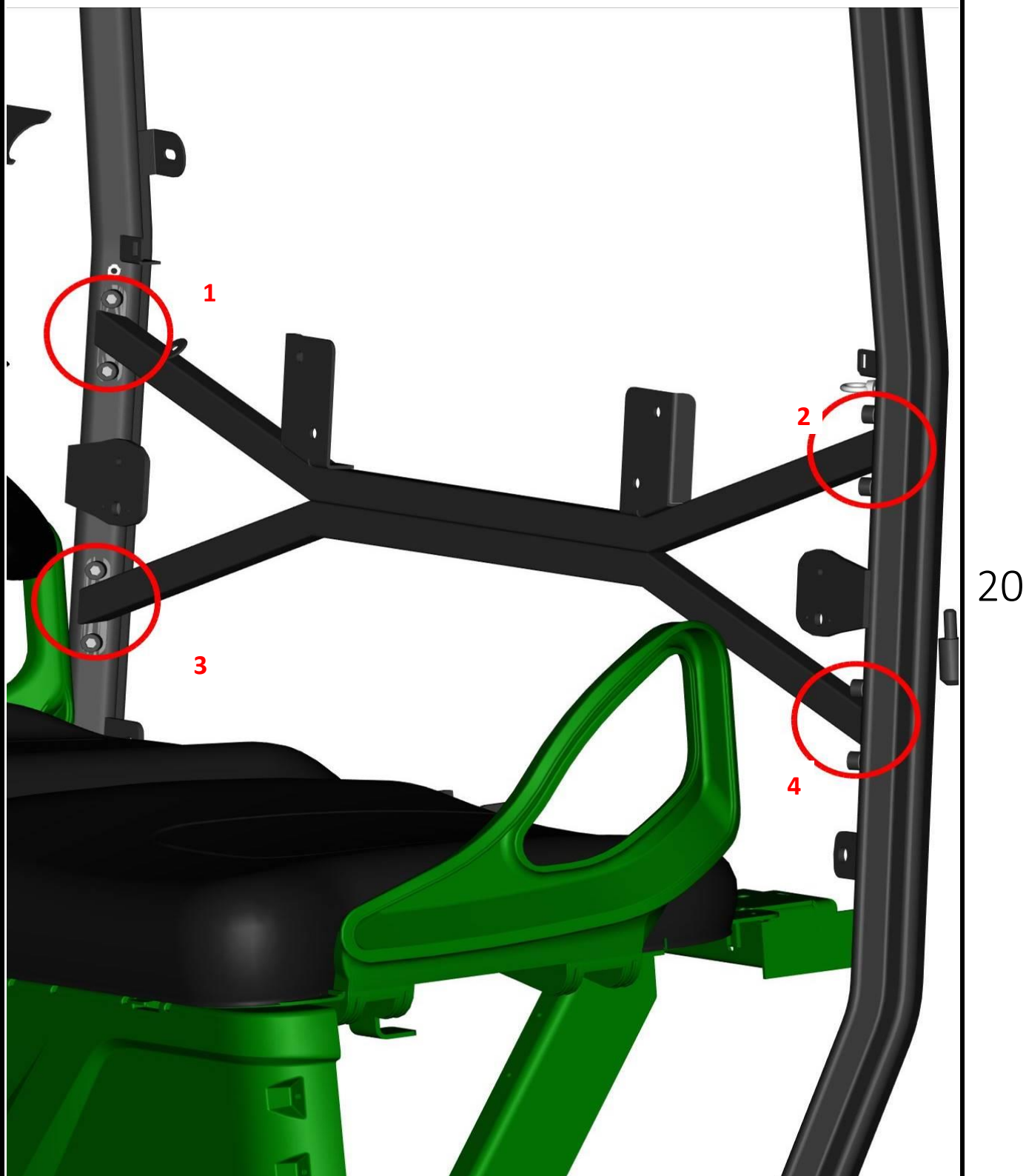
18

Tighten support frame bolts hard 35.4 ft. lb. (48 Nm) on both sides.

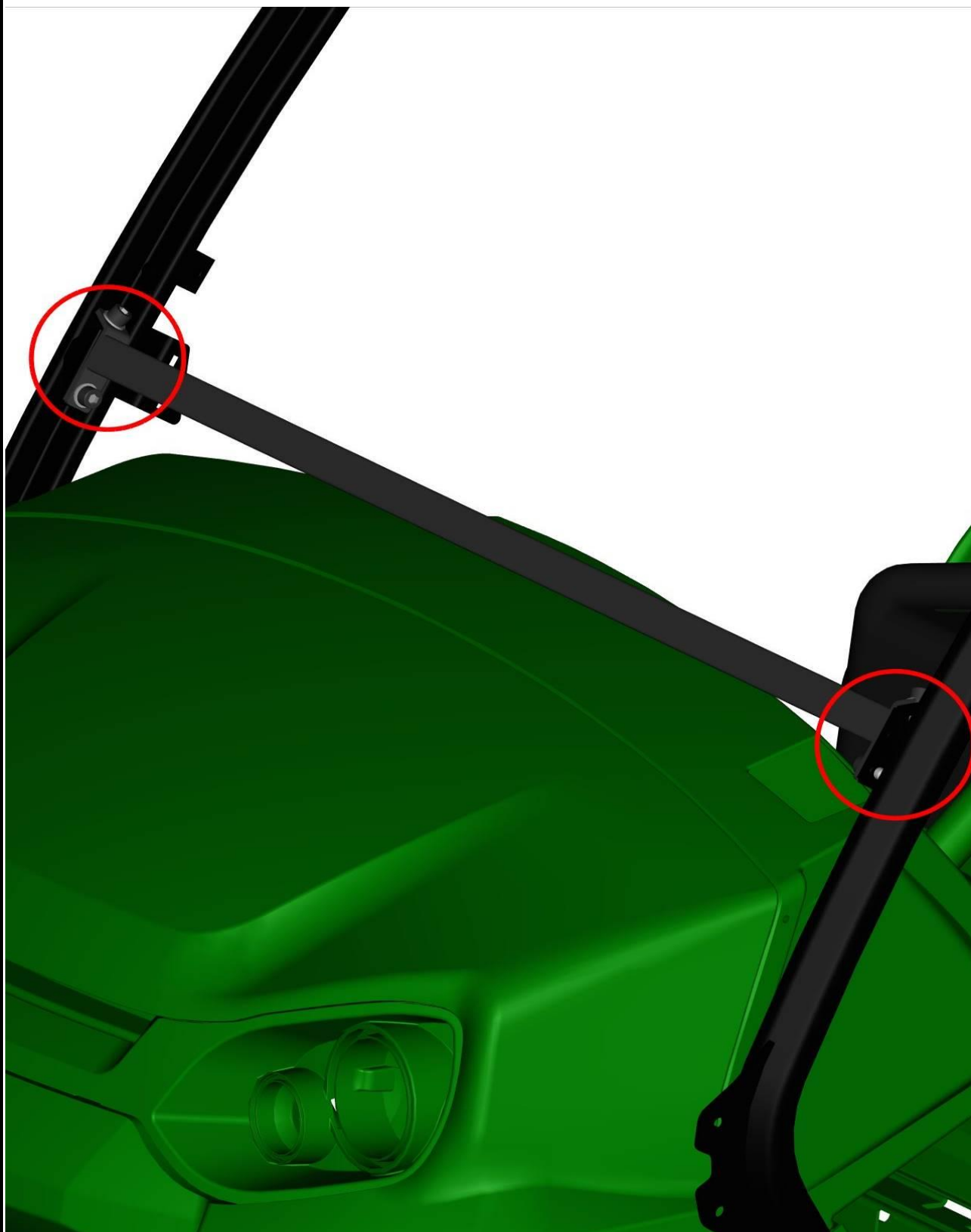


19

Step by step tighten the rear "X" cross bolts hard 35.4 ft. lb. (48Nm).

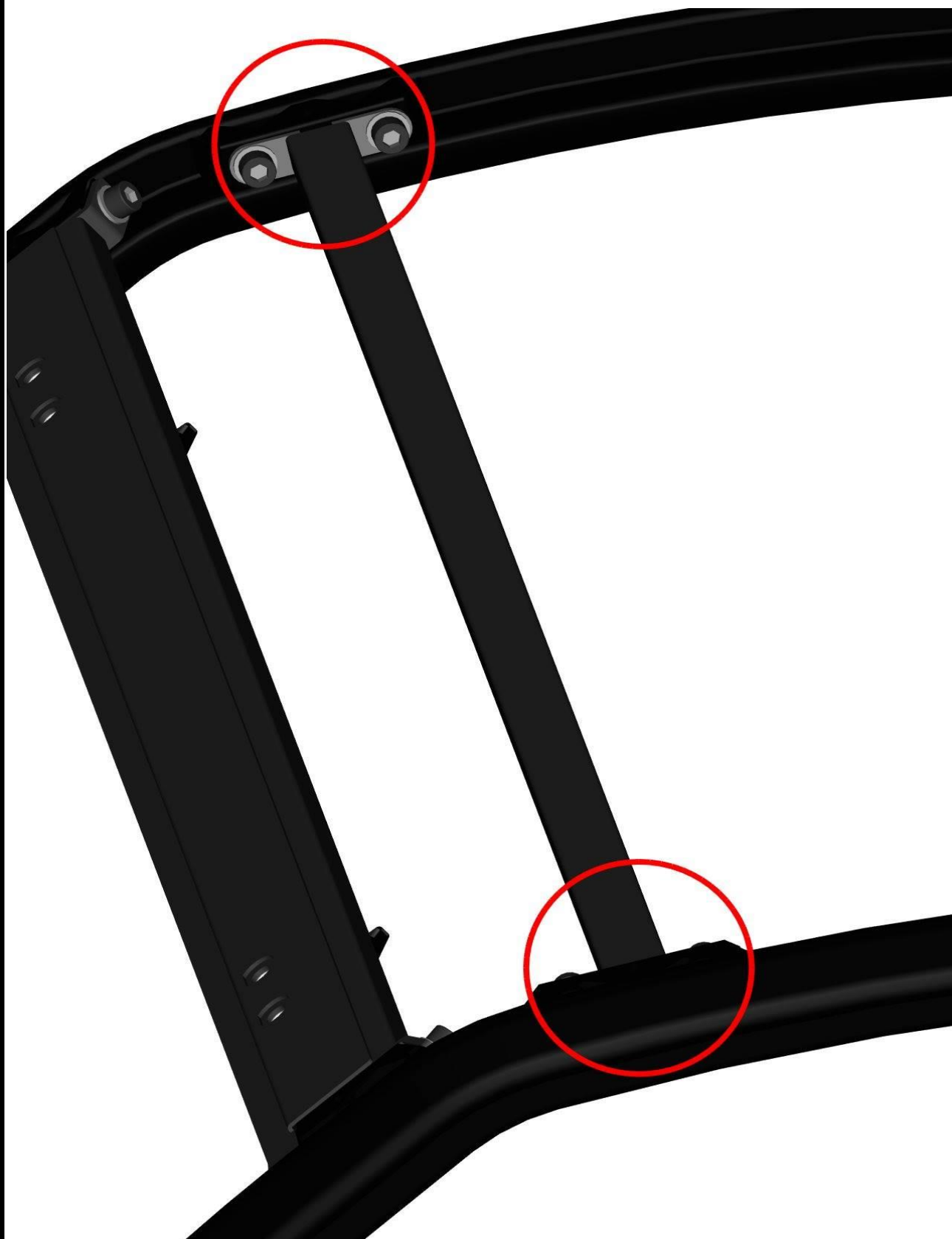


ONE BY ONE tighten the support frame ledges bolts hard 35.4 ft. lb. (48Nm).



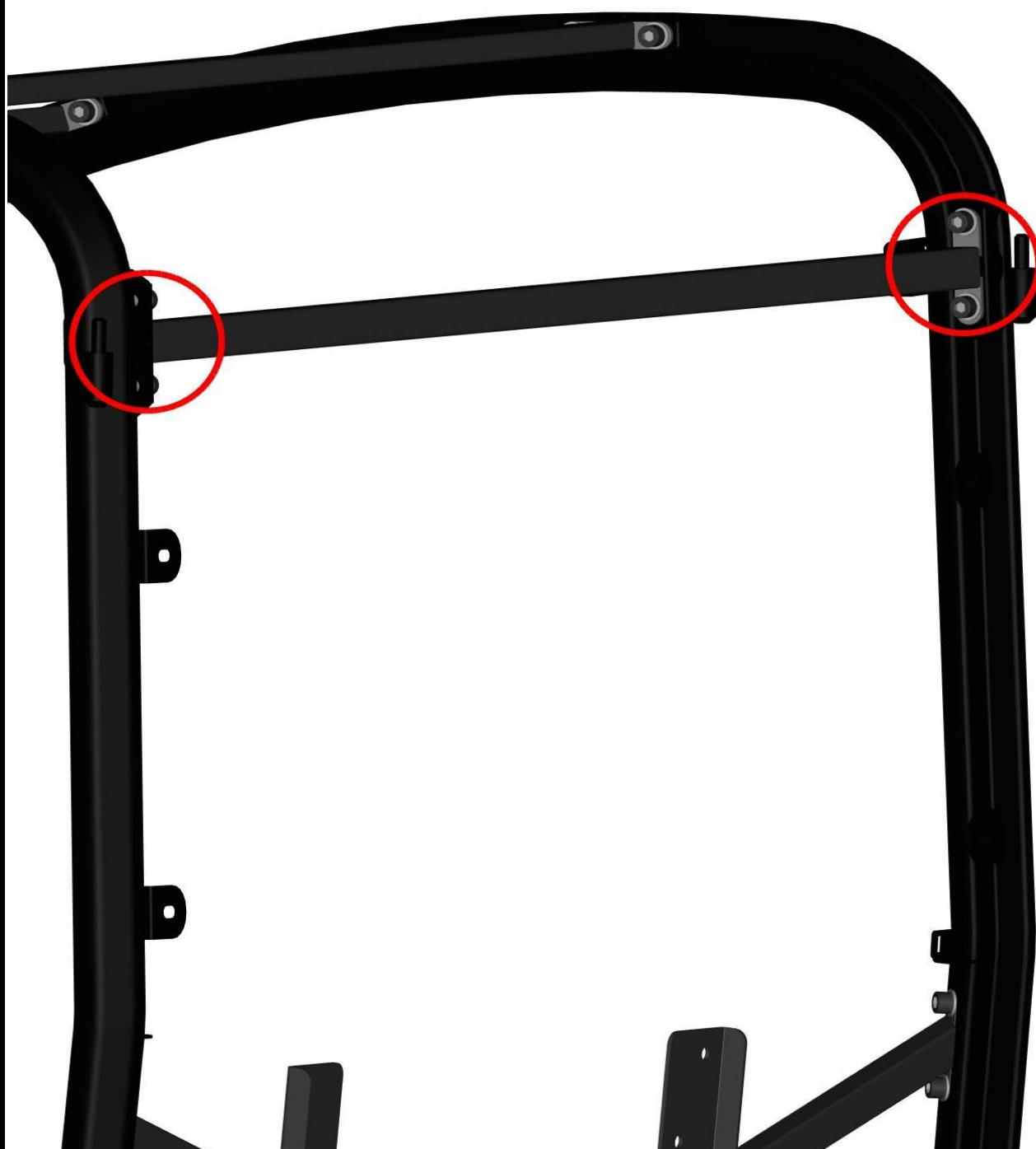
21







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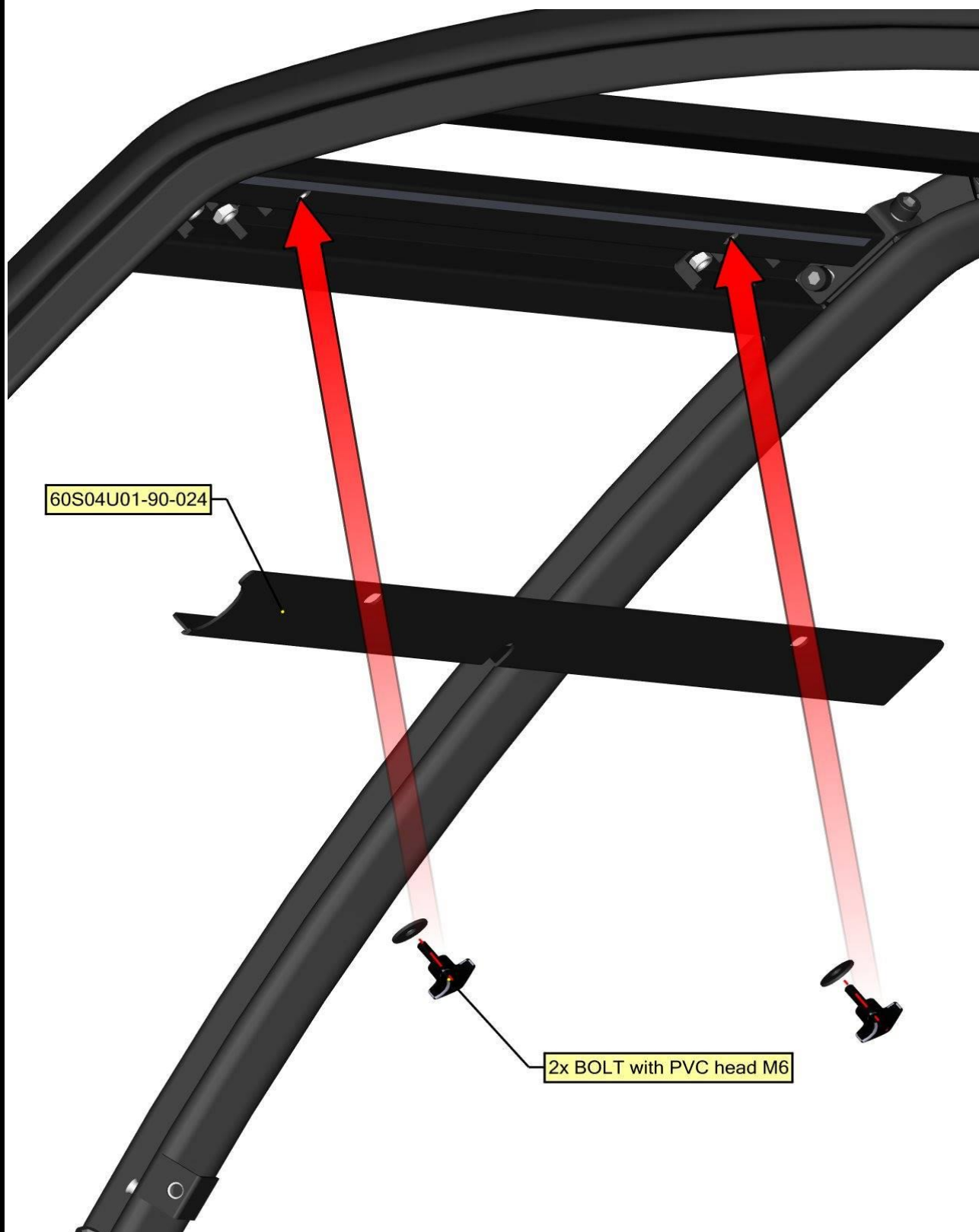
25

Tighten the front upper ledge cover bolts correctly 3.7 ft. lb. (5Nm).



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Mount the front upper ledge inner cover to the front upper ledge with included bolts with PVC head and tighten by hand.



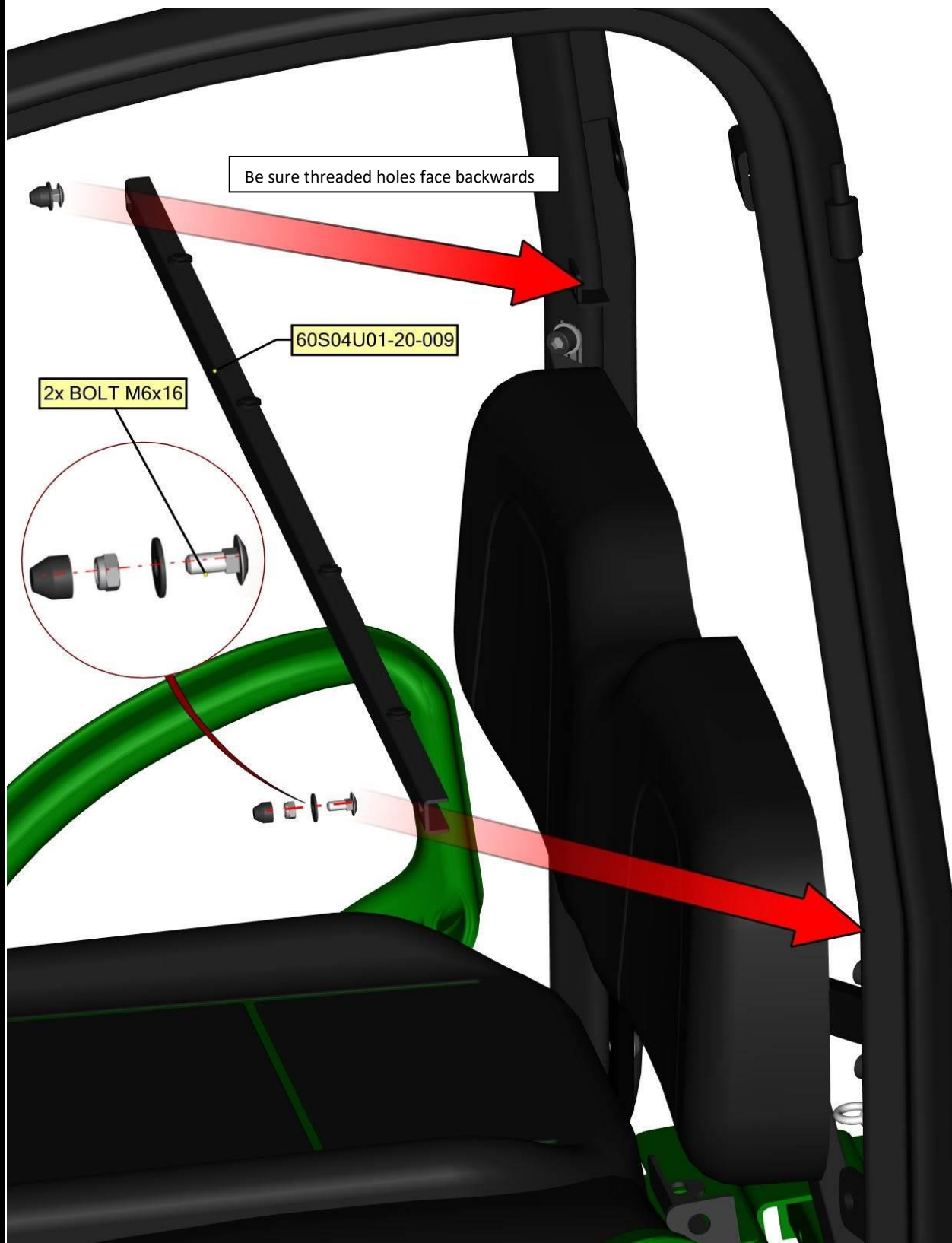
Mount the seat back to the rear "X" cross using original seat back bolts 3.7 ft. lb. (5Nm).



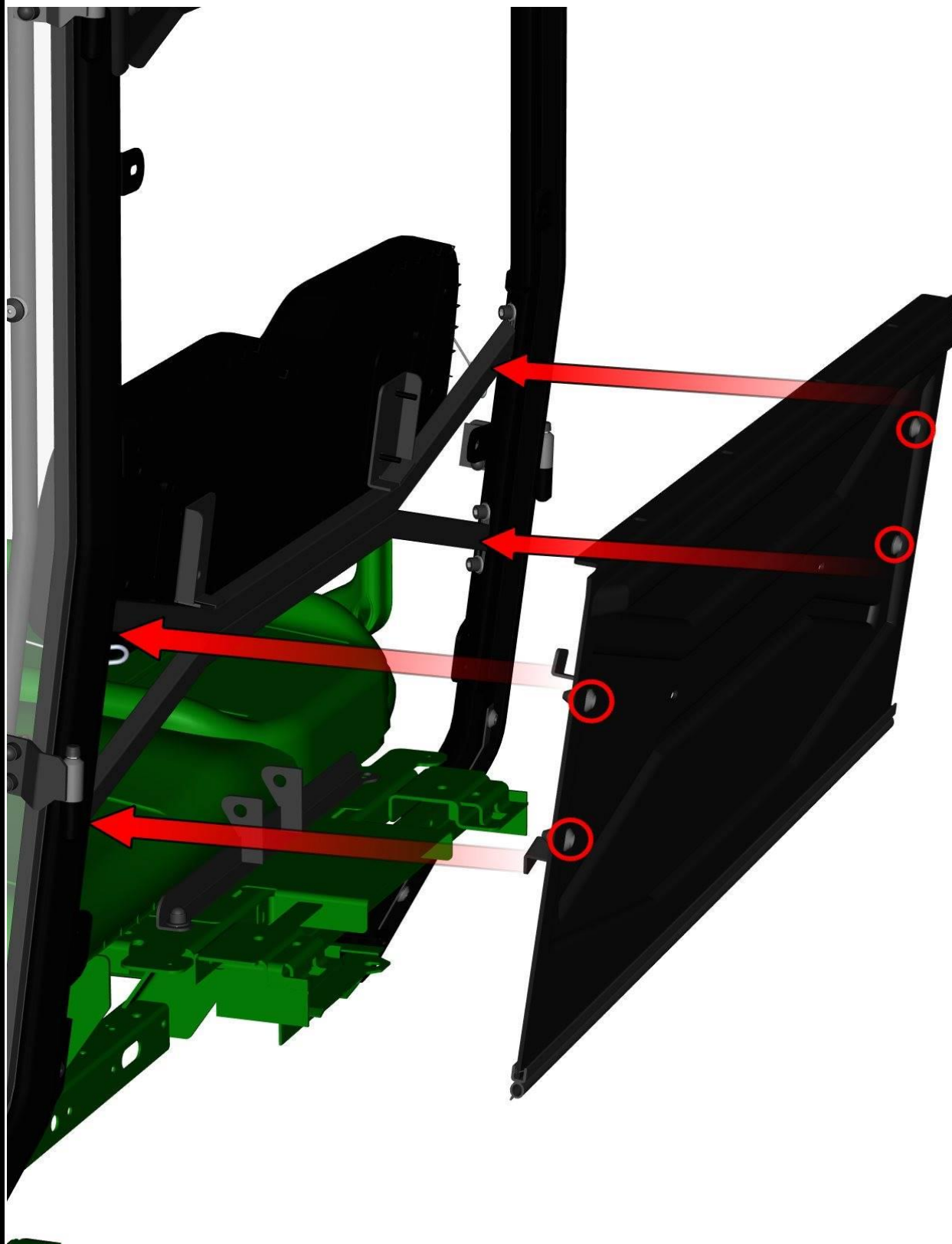
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REAR PANEL

Mount the rear middle ledge to the support frame with included bolts, washers, nuts and covers and tighten 3.7 ft. lb. (5Nm). Install this part before rear panel assemblies.



Loosen the rear bottom panel holders bolts and turn the holders out of the way.
Place the rear bottom panel onto the rear "X" cross.



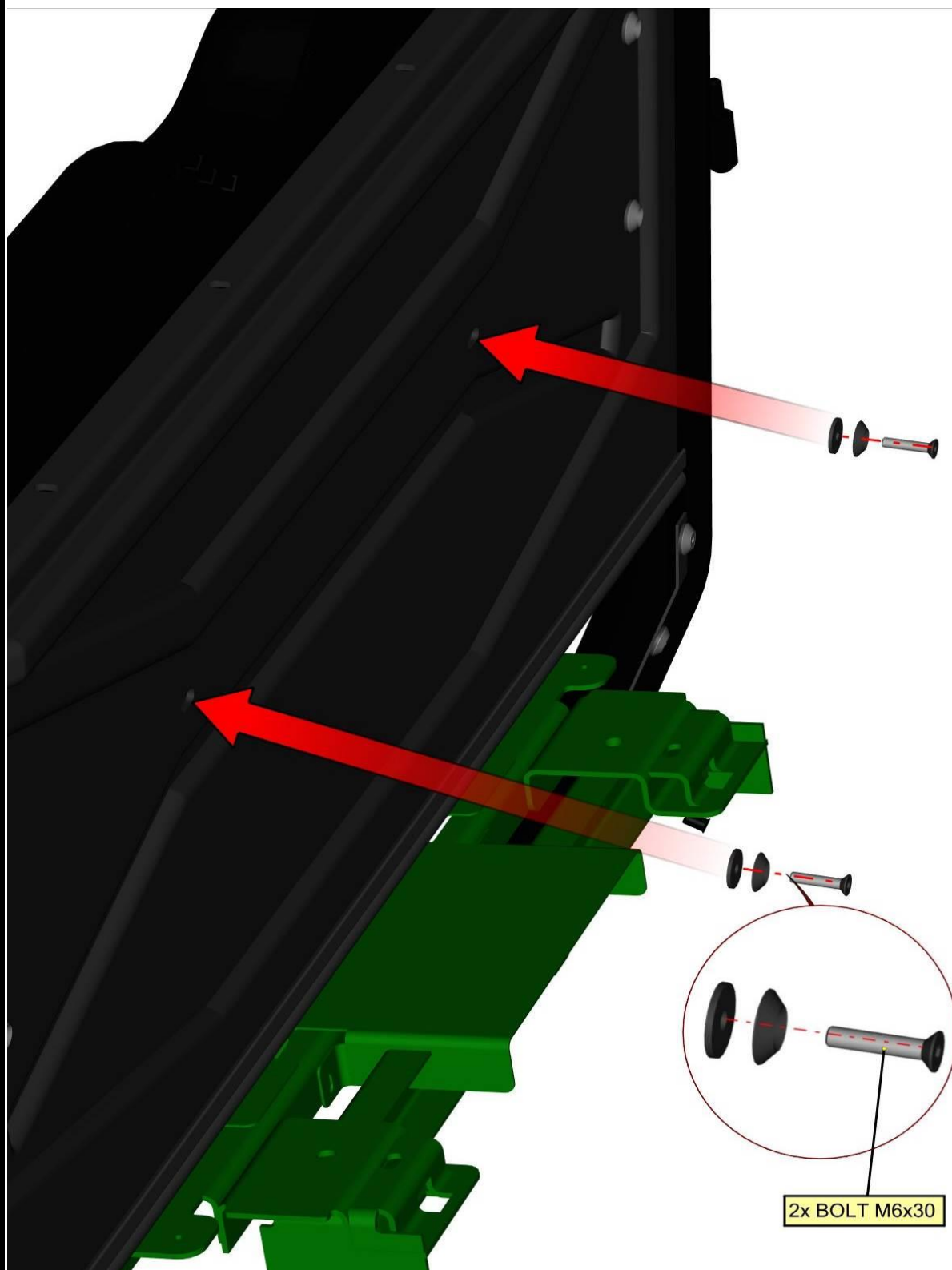
30

Turn the rear bottom panel holder into correct position.



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Mount the rear bottom panel to the rear "X" cross with the included bolts and washers and tighten slightly 1.5 ft. lb. (2Nm)



DETAILED VIEW



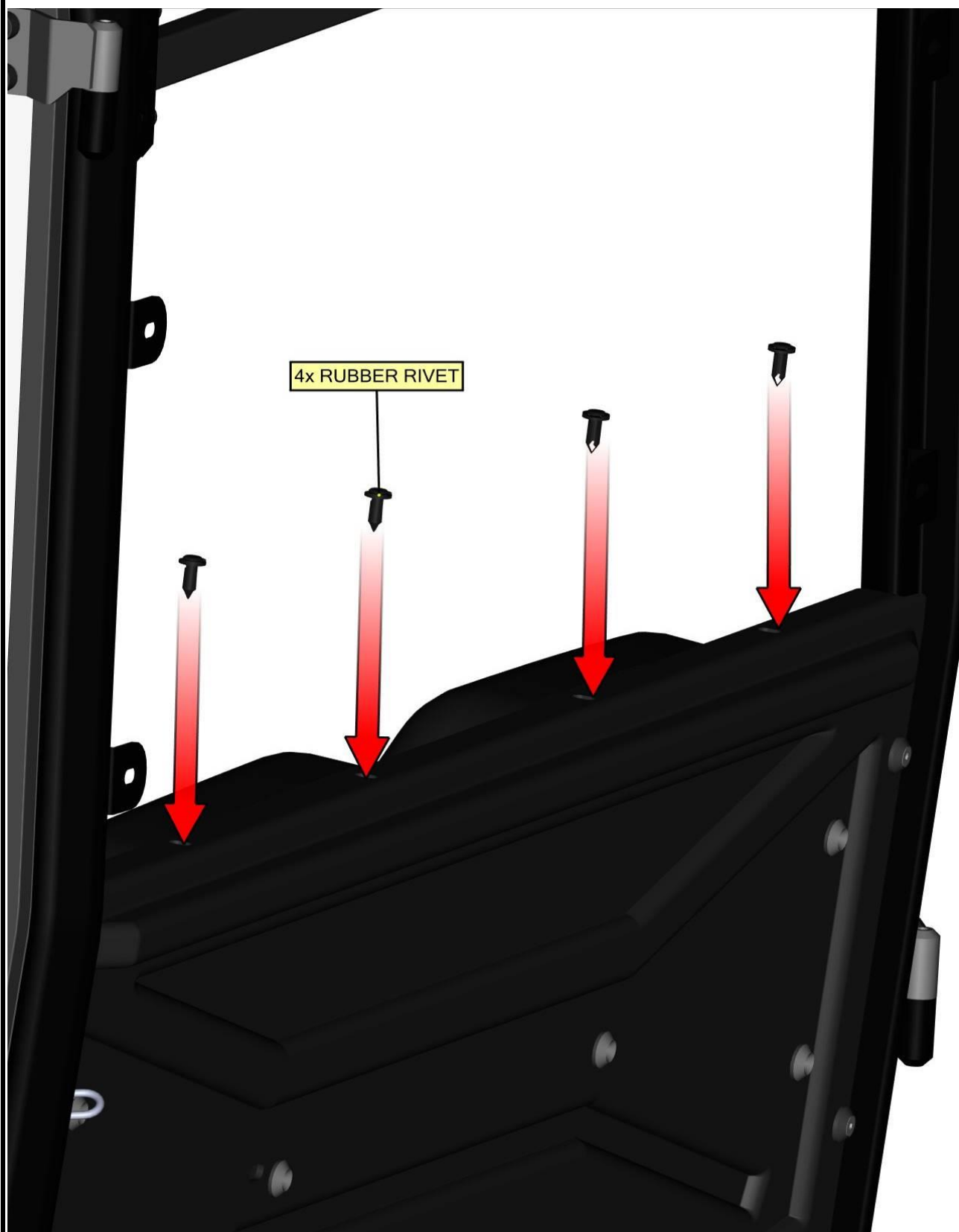
SEE THE NEXT PAGES

Align the rear middle ledge into correct position and tighten bolts correctly 3.7 ft. lb. (5Nm).

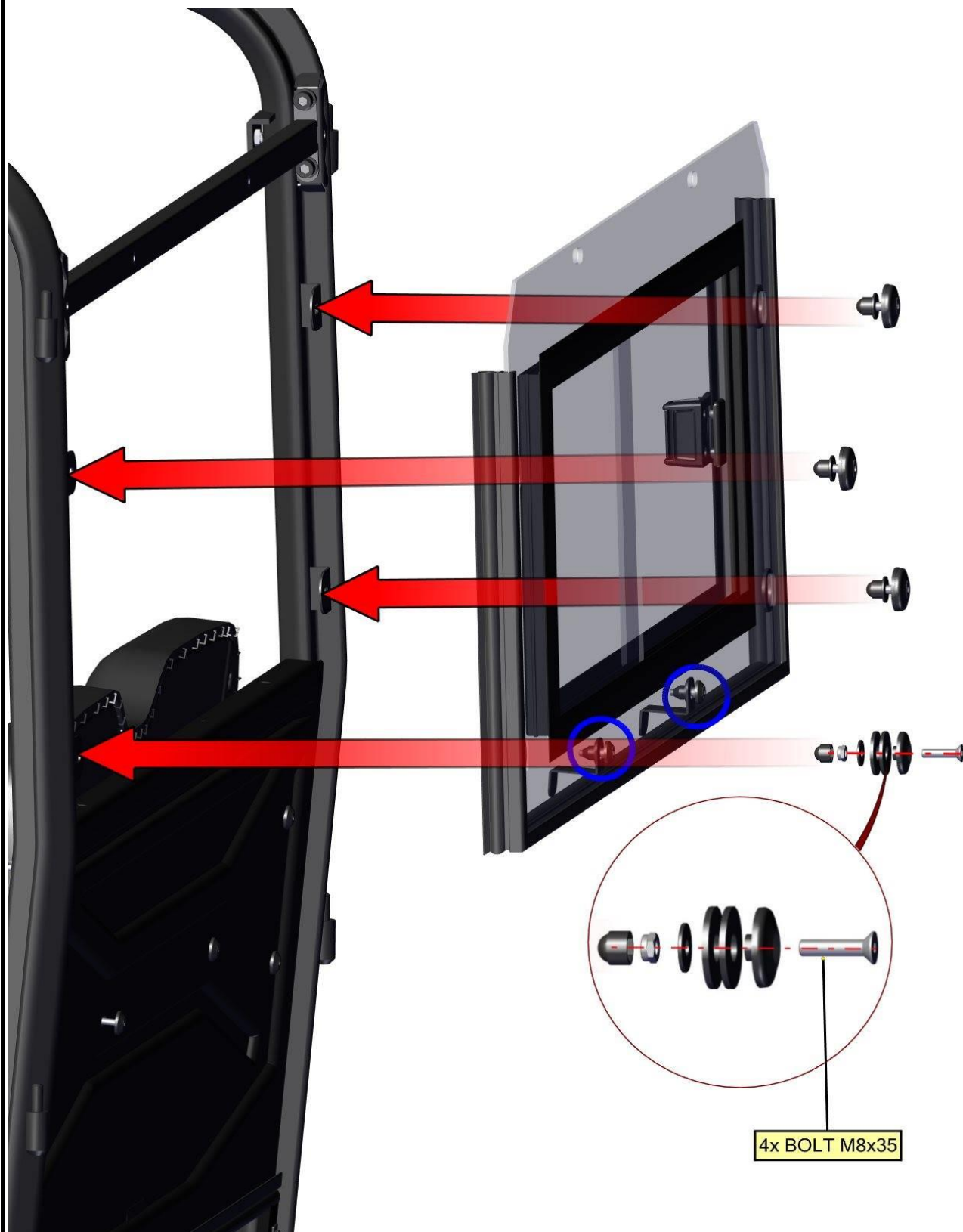


34

Fix the rear bottom panel to the rear middle ledge with included rubber rivets.



Loosen rear upper panel holders and turn the holders out off the way. Mount the rear upper panel to the support frame with included bolts, washers, nuts and covers and tighten slightly 1.5 ft. lb. (2Nm).



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Turn the rear upper panel holder to the best position.



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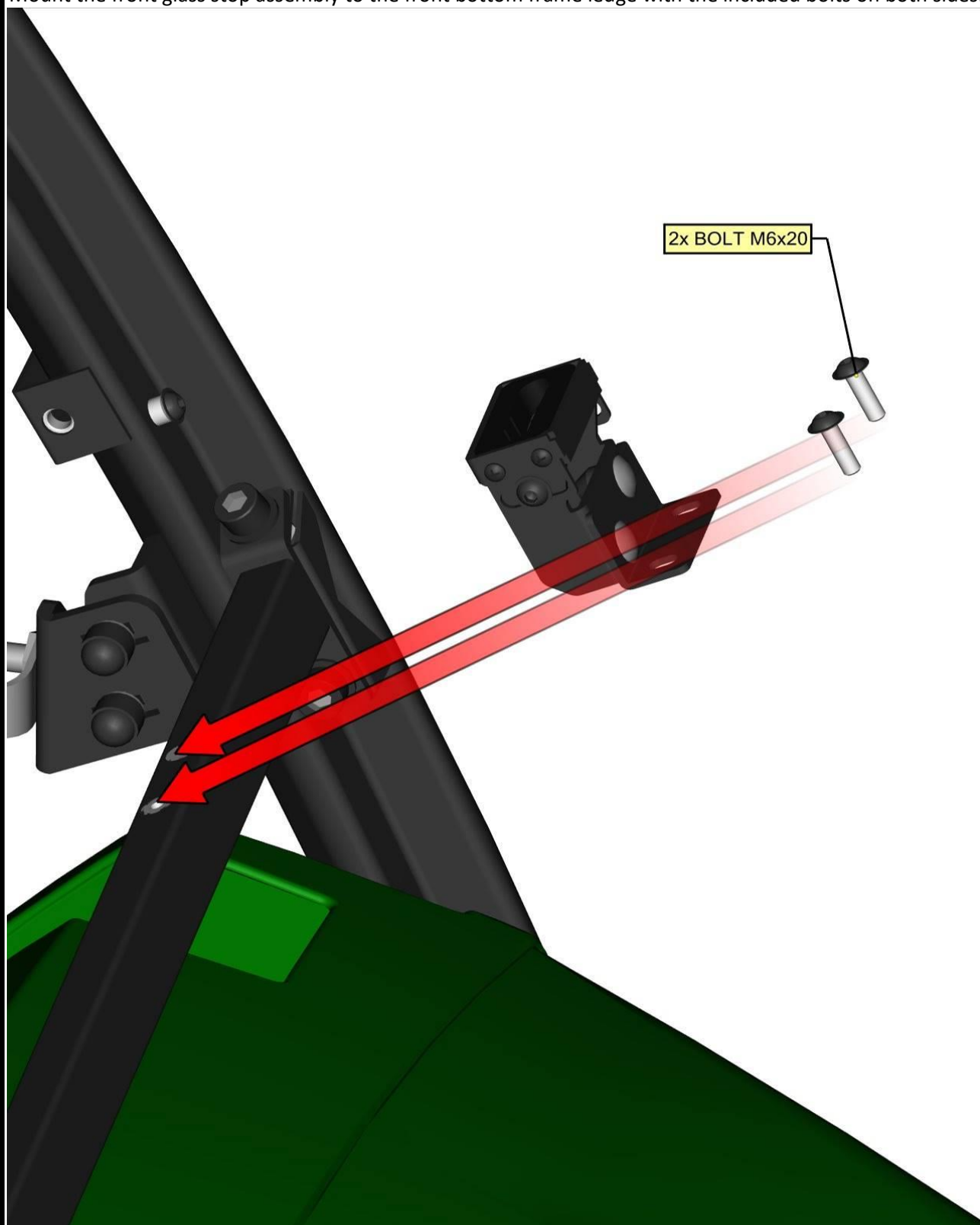
DETAILED VIEW



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FRONT PANEL

Mount the front glass stop assembly to the front bottom frame ledge with the included bolts on both sides.

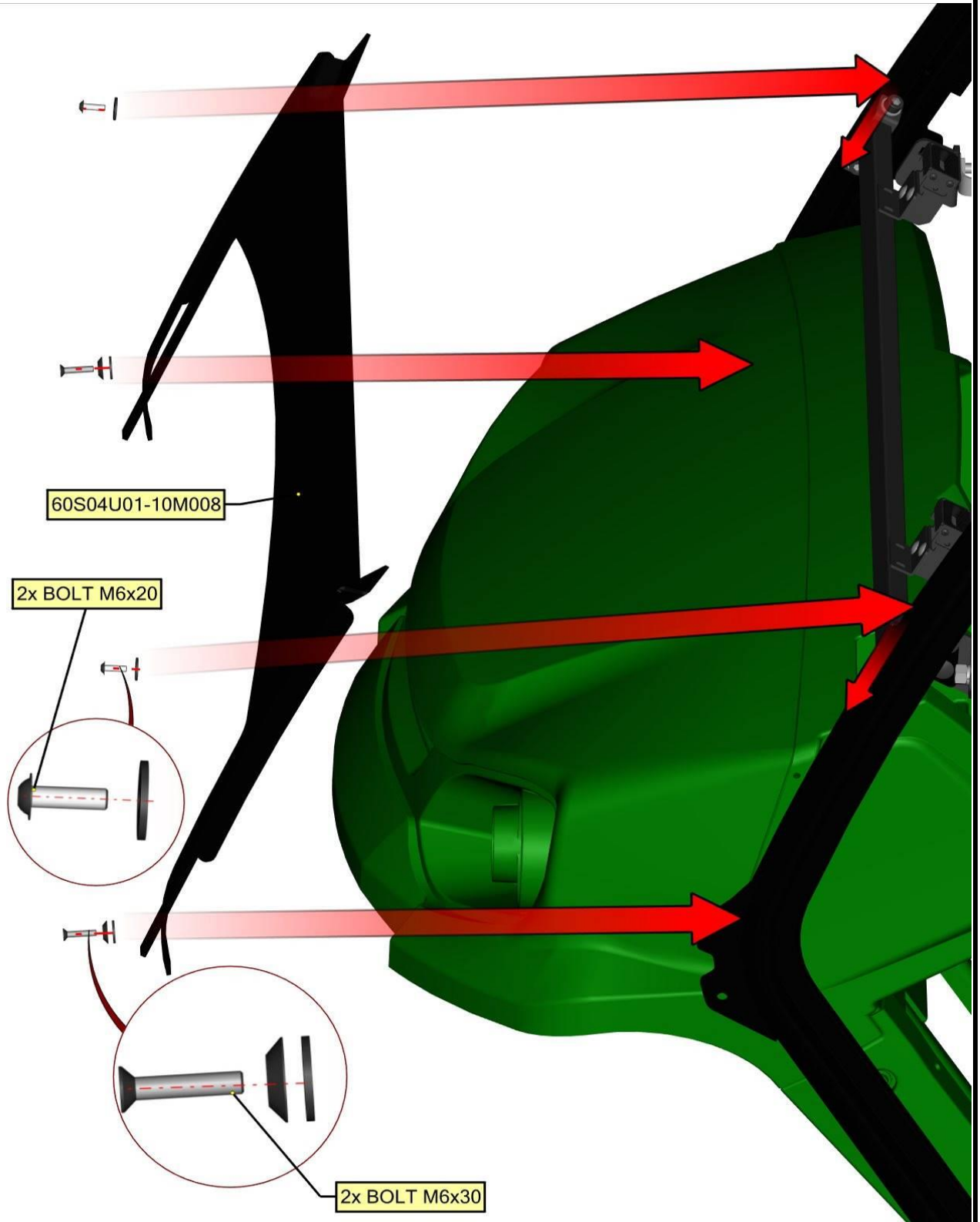


Make sure that orientation of the assembly is correct on both sides.



40

Align the front bottom ledge onto the support frame, start on either edge, pressing the bottom part onto the frame with pressure moving across to the other edge. Once in place move whole assembly down into correct position and mount to the support frame with included bolts and washers and tighten 3.7 ft. lb. (5Nm).



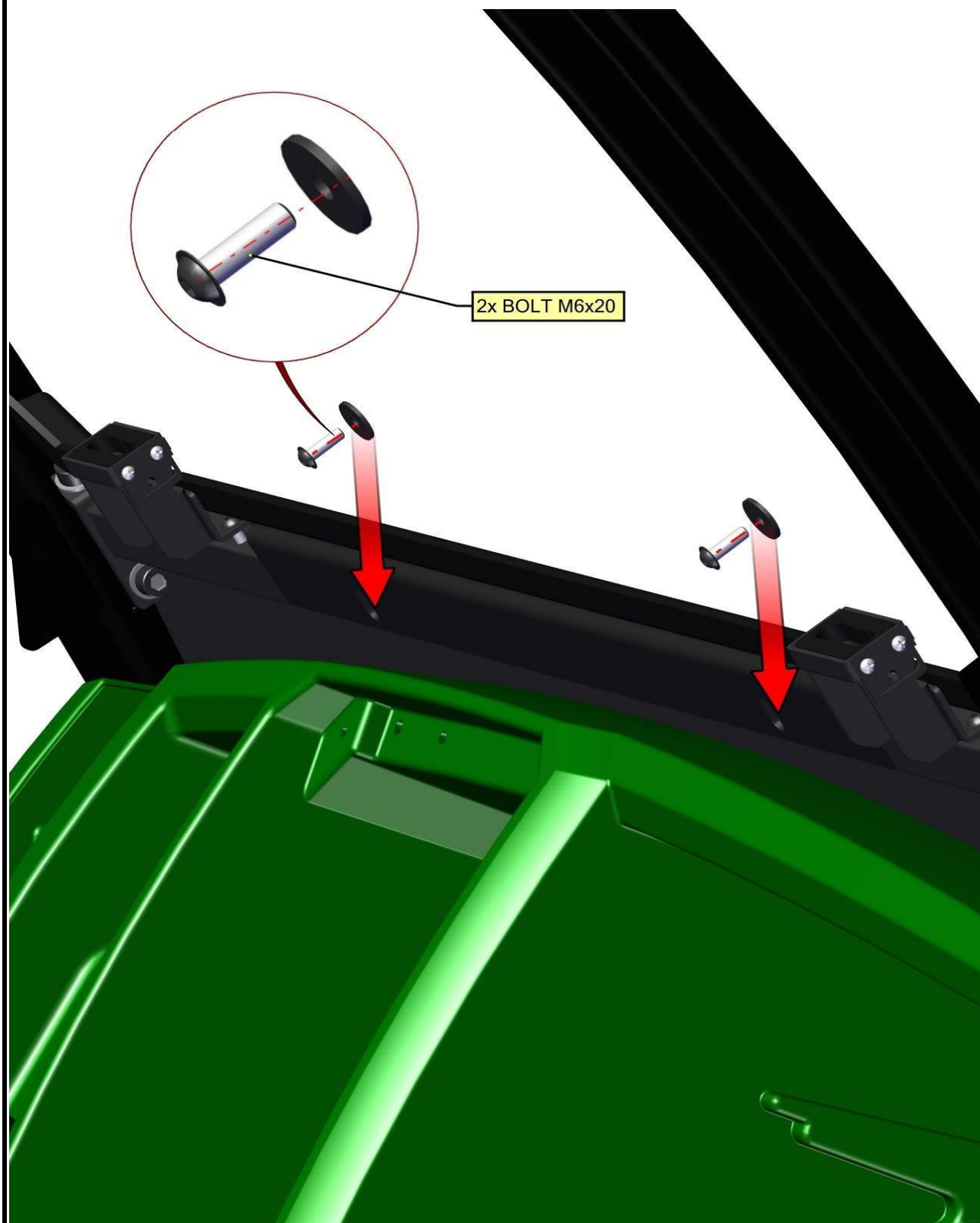
41

DETAILED VIEW



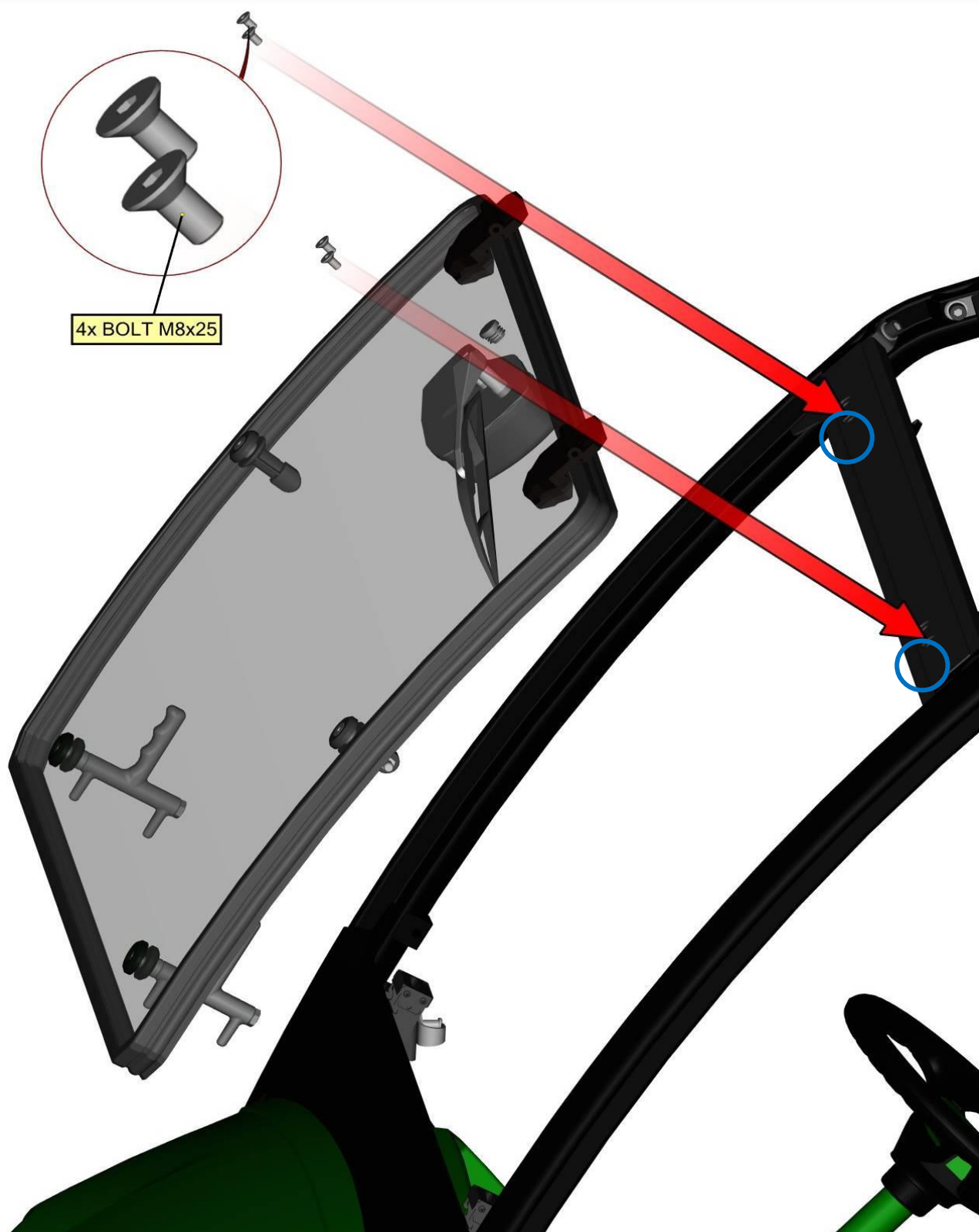
42

Mount the front bottom ledge to the support frame from inner side with included bolts and washers and tighten 3.7 ft. lb. (5Nm).

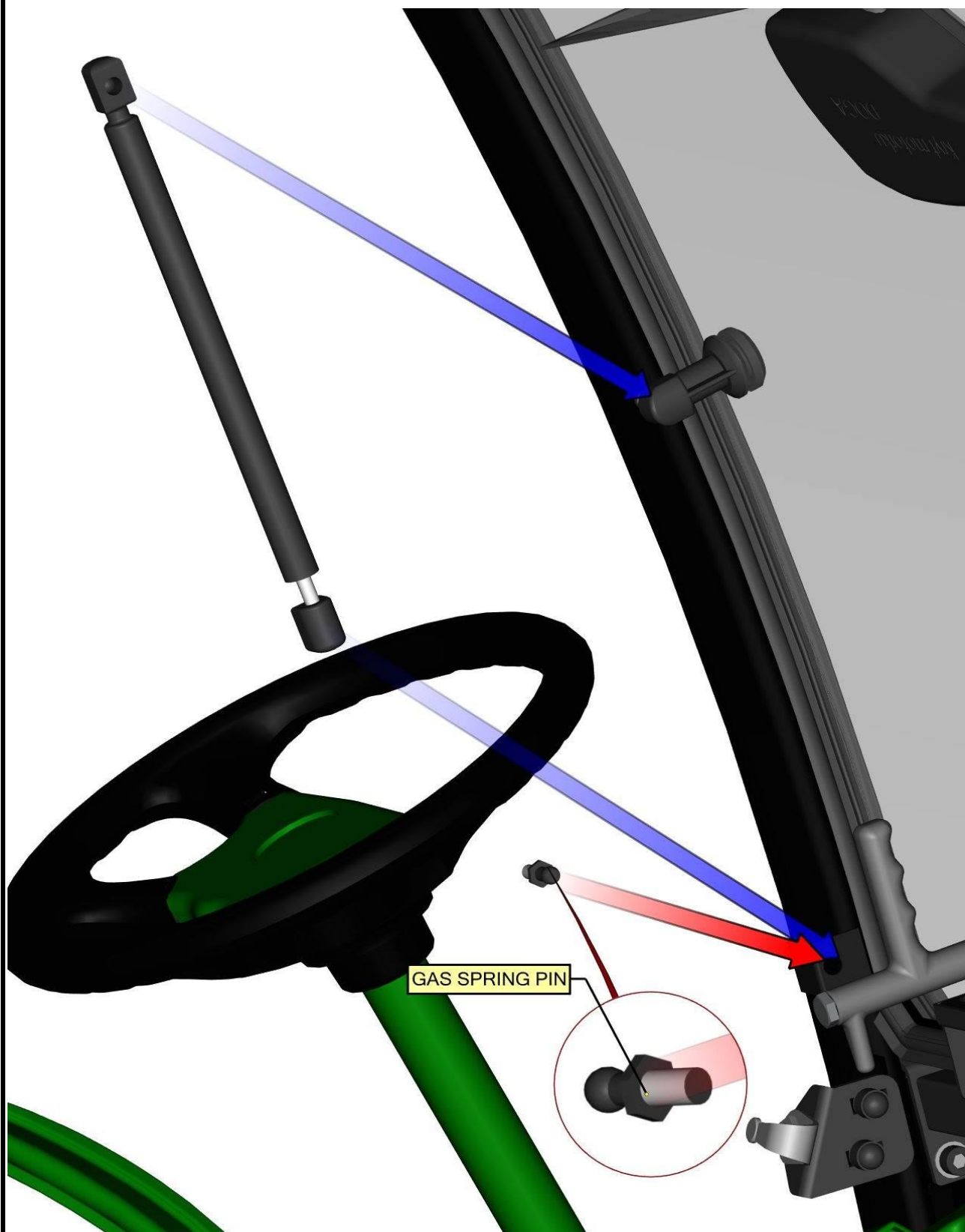


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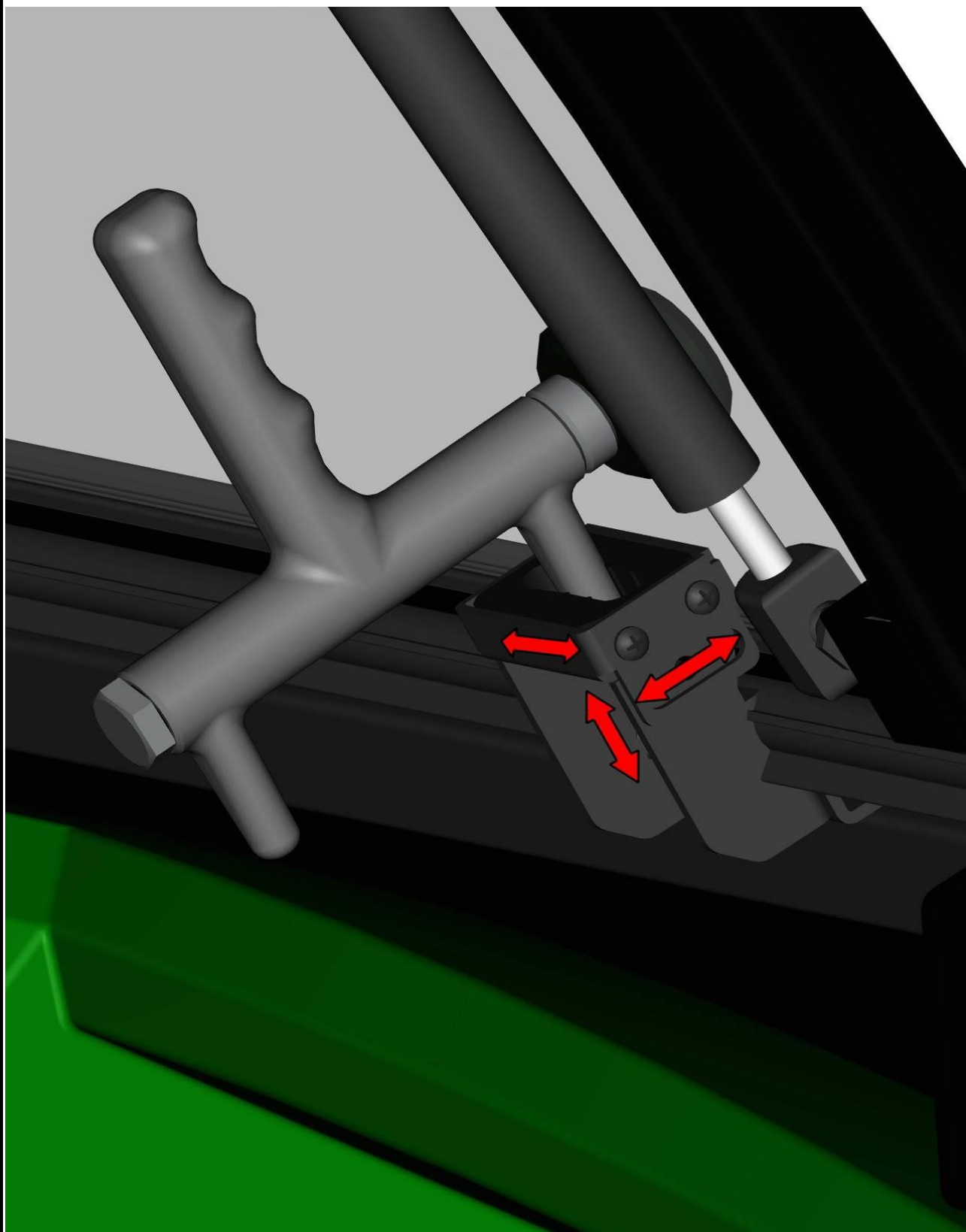
Uninstall plastic covers from the front upper ledge cover (blue circles). Mount the front glass assembly to the front upper ledge cover with included bolts and tighten 3.7 ft. lb. (5Nm).



Install the gas spring into the gas spring holders (orientation of the gas spring must be same as seen on picture below with exposed rod to the bottom) on both sides.



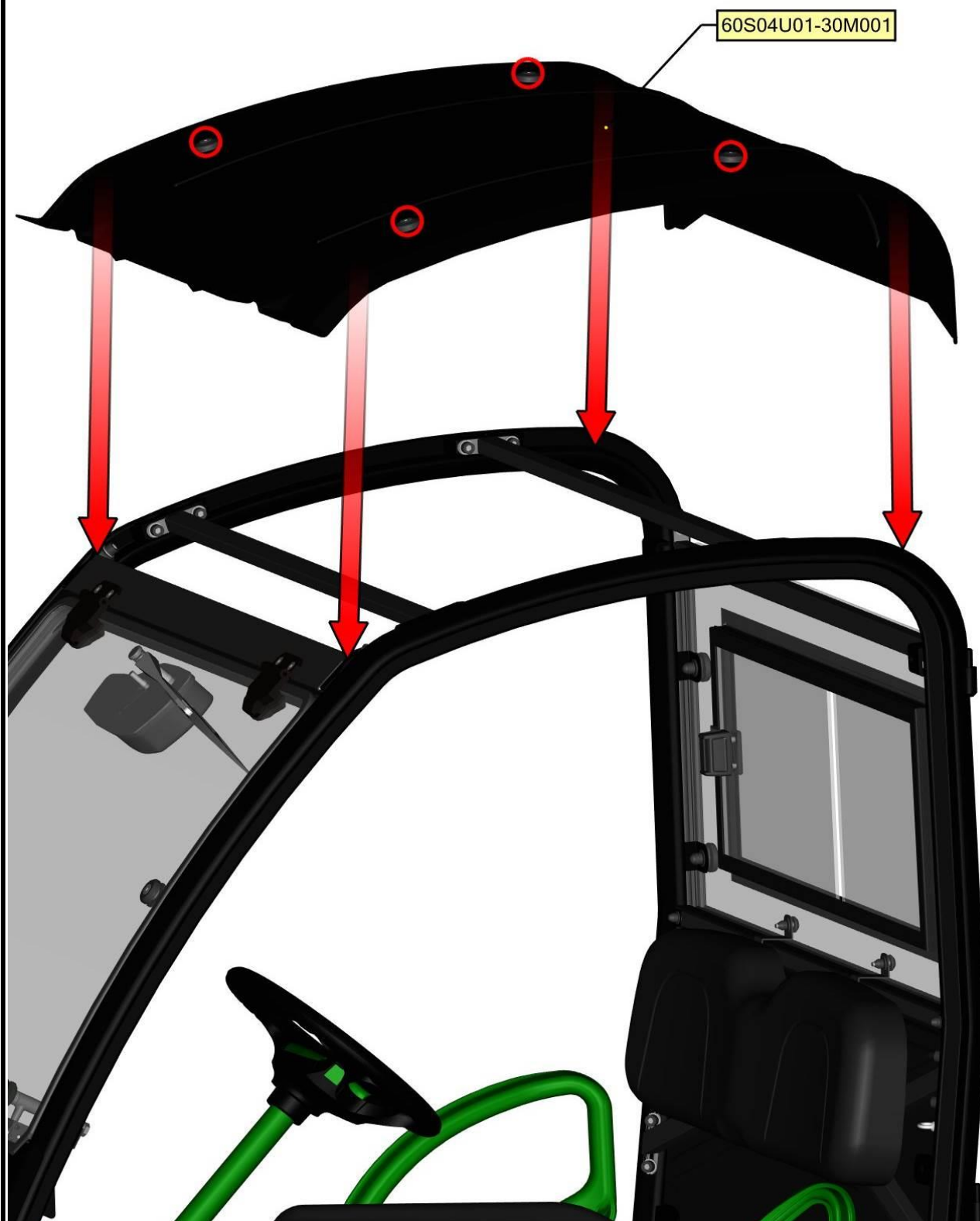
Align the front glass stop assembly into best position and tighten bolts correctly on both sides.



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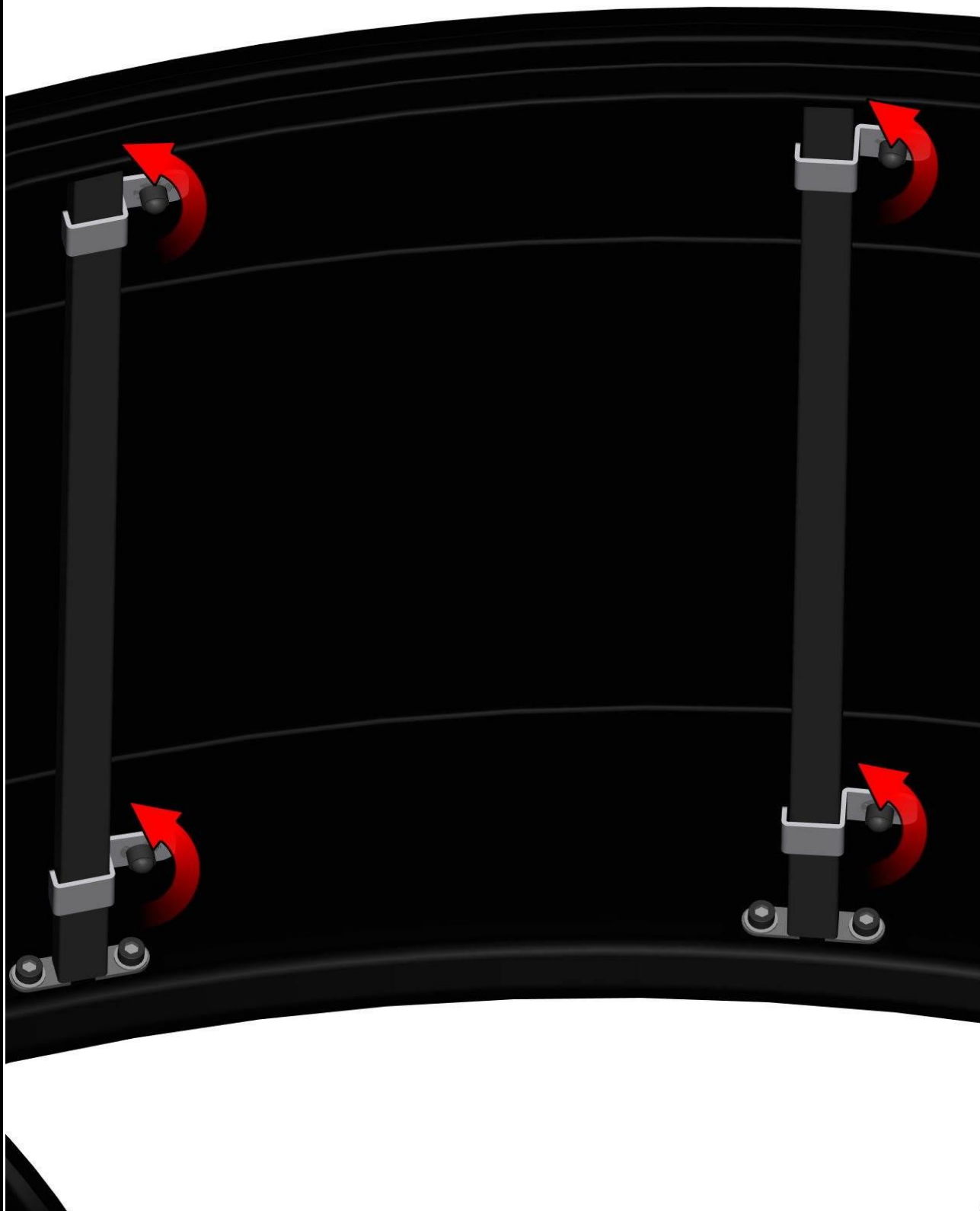
ROOF

Loosen the roof holders bolt and turn the holders out off the way.
Place the roof assembly onto the support frame



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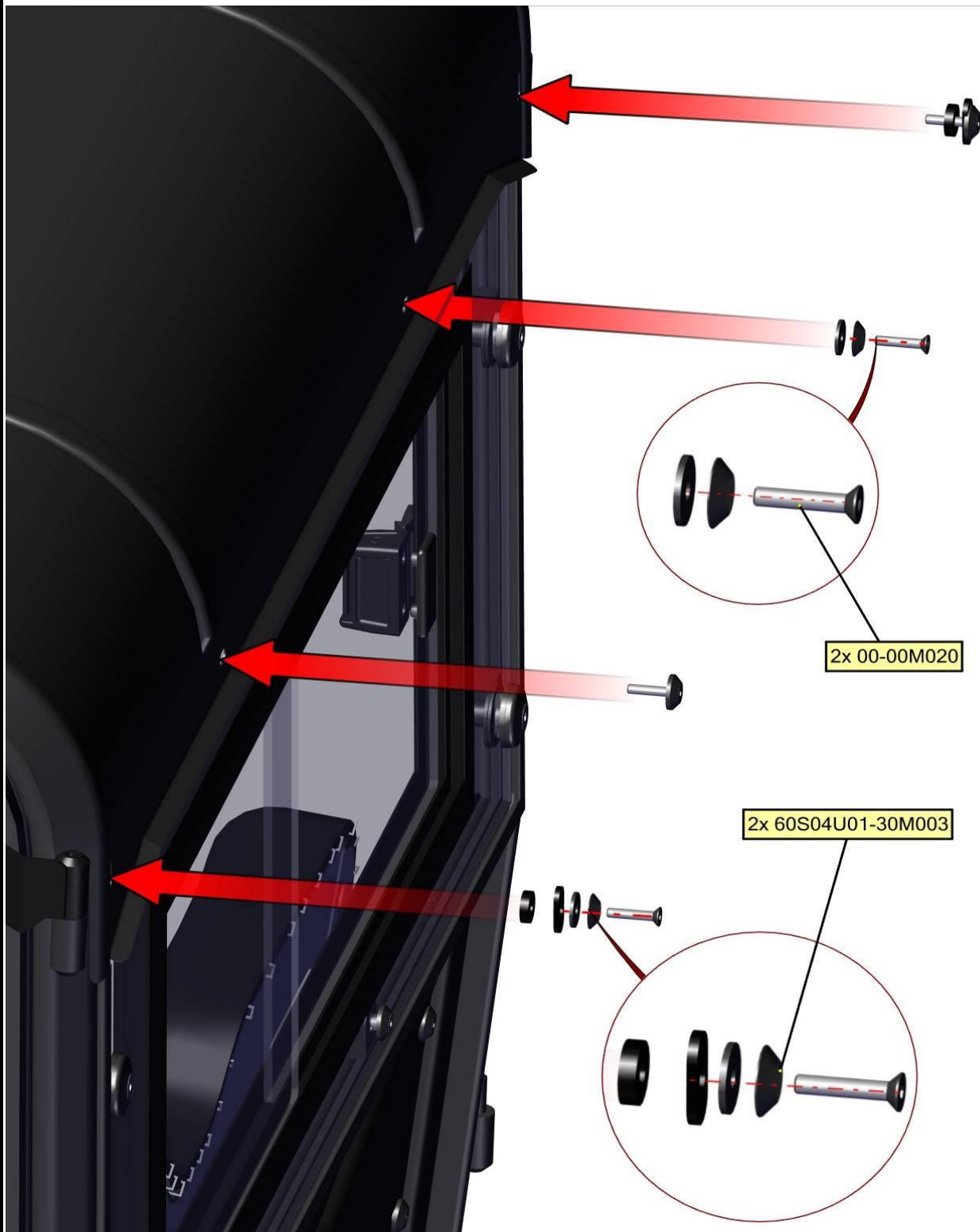
Turn the holders to the correct position and tighten correctly 3.7 ft. lb. (5Nm).



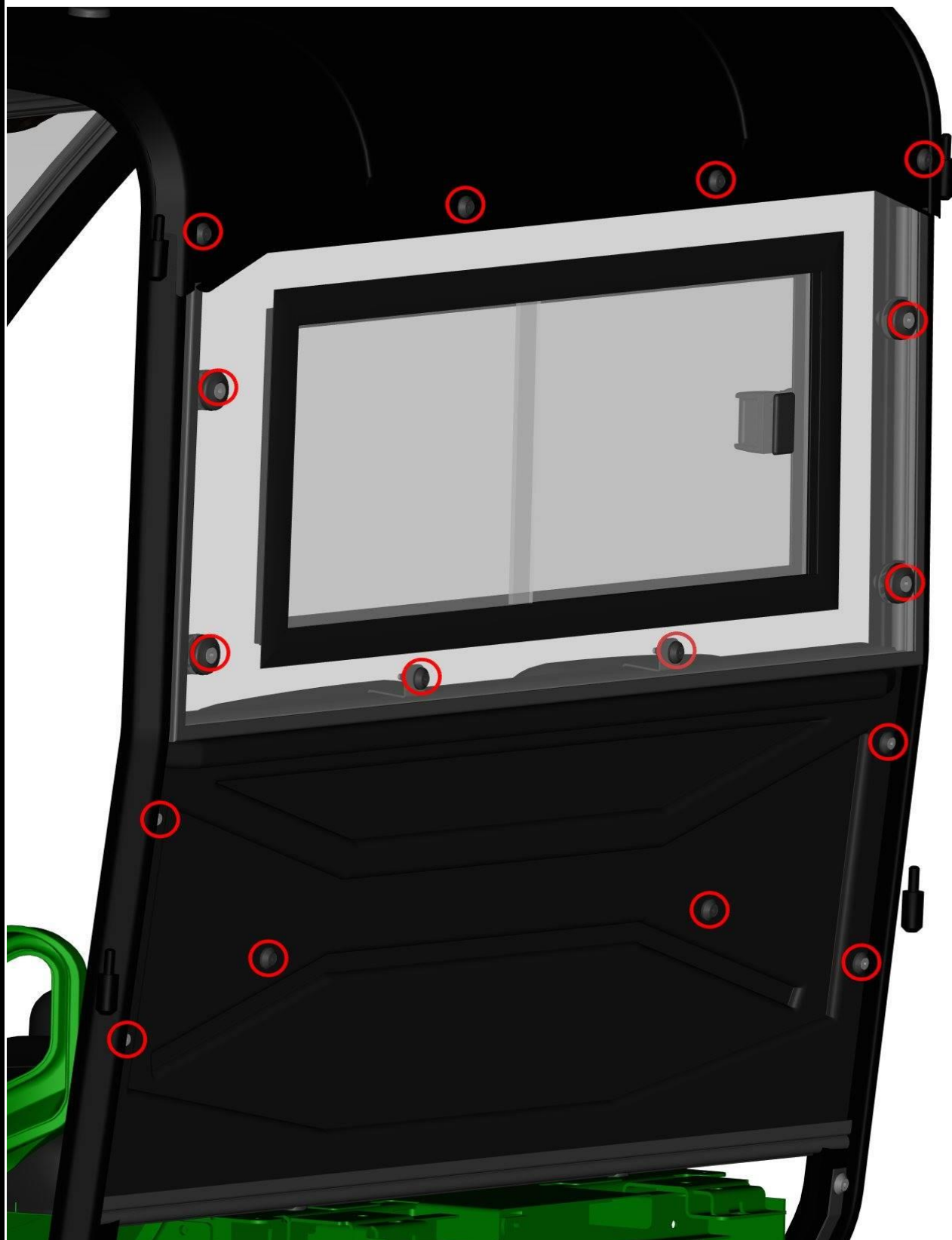
48

Mount the roof to the support frame with included bolts and washers.

REAR VIEW



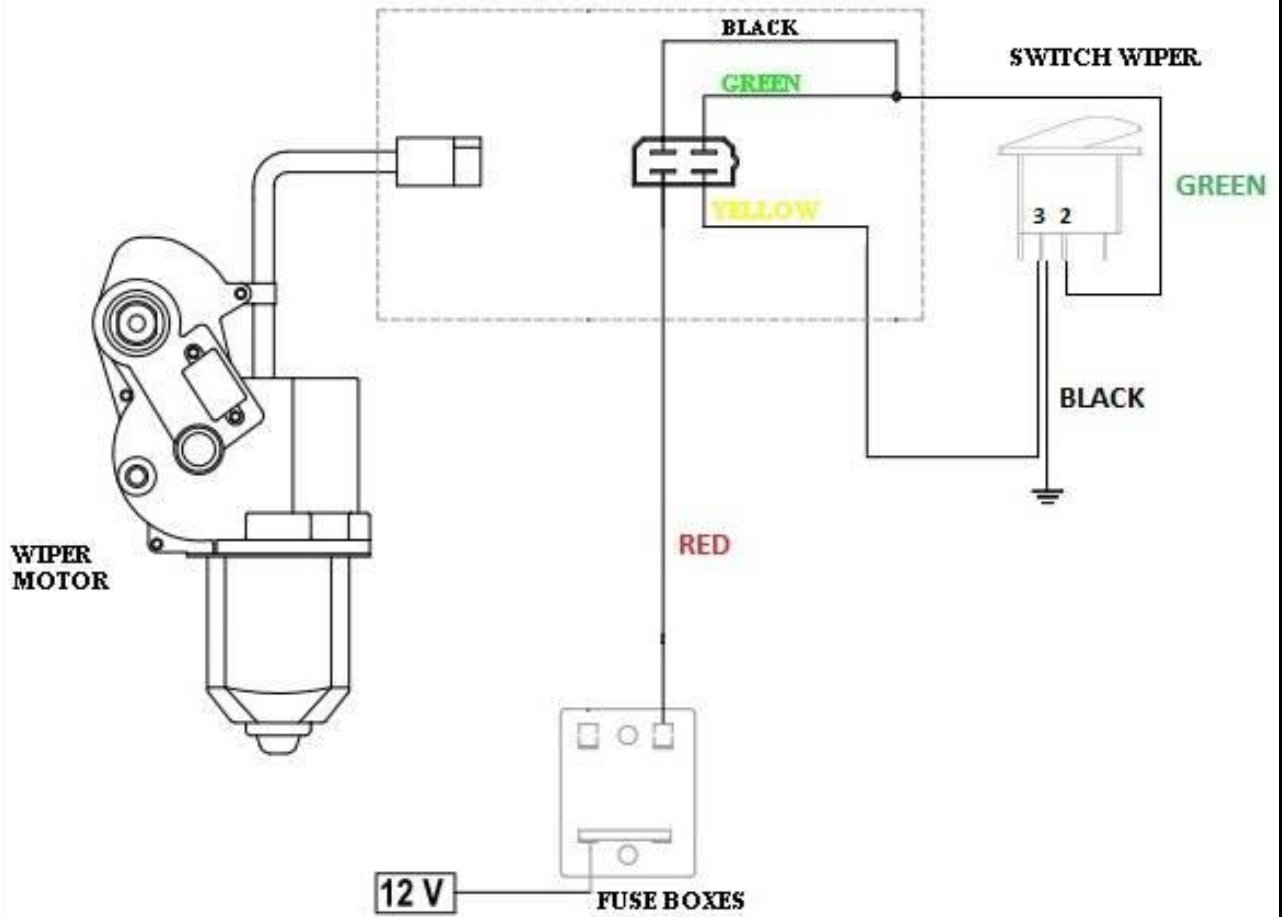
Align all rear panel parts into best position and tighten correctly 3.7 ft. lb. (5Nm).



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ELECTROINSTALLATION

Overall wiring diagram



Route the wiper harness around the support frame and under the roof to the wiper motor.



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Fix the wiper harness to the vehicle frame with included tightening straps.

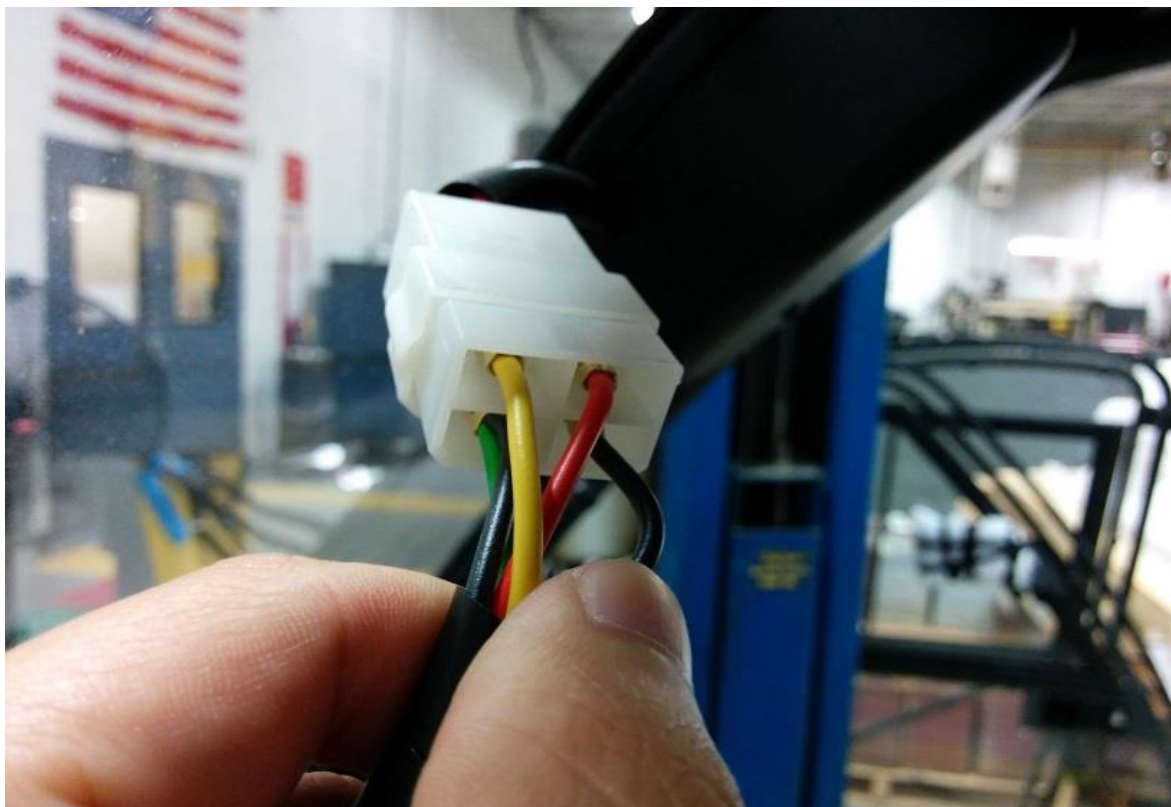


53



SEE NEXT PAGES.

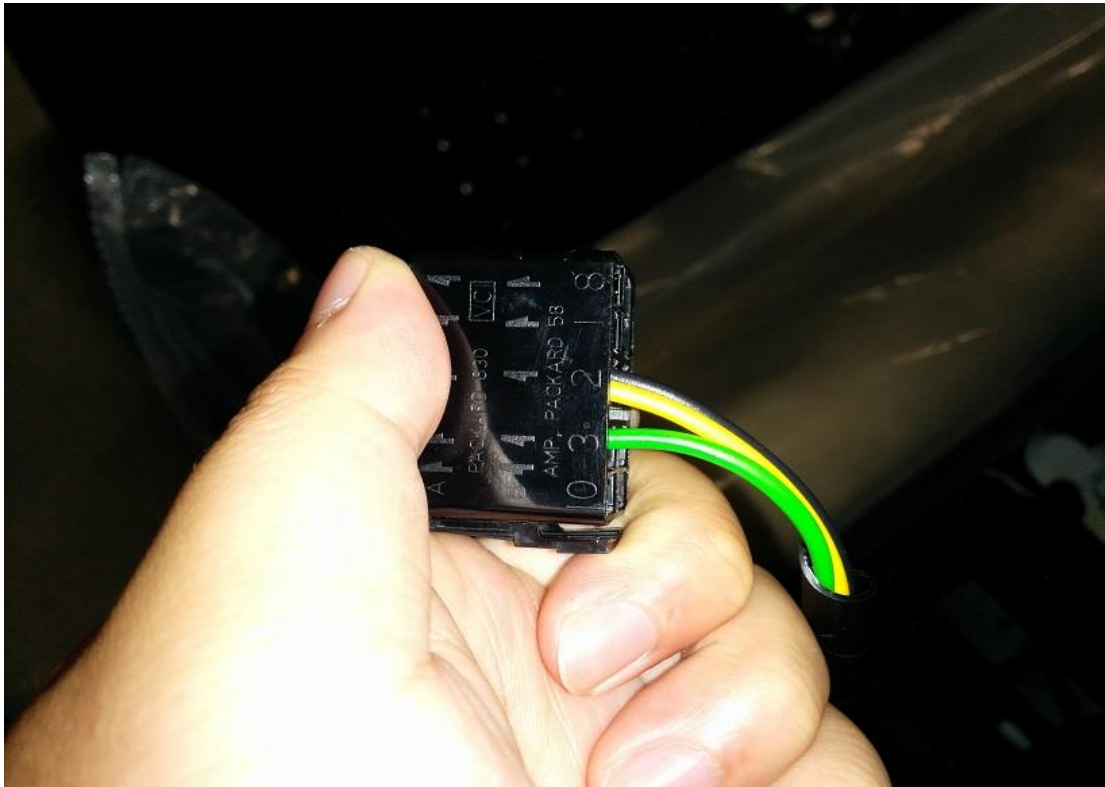
Press the wiper harness branch pins into the wiper connector (**DETAILED VIEW**).



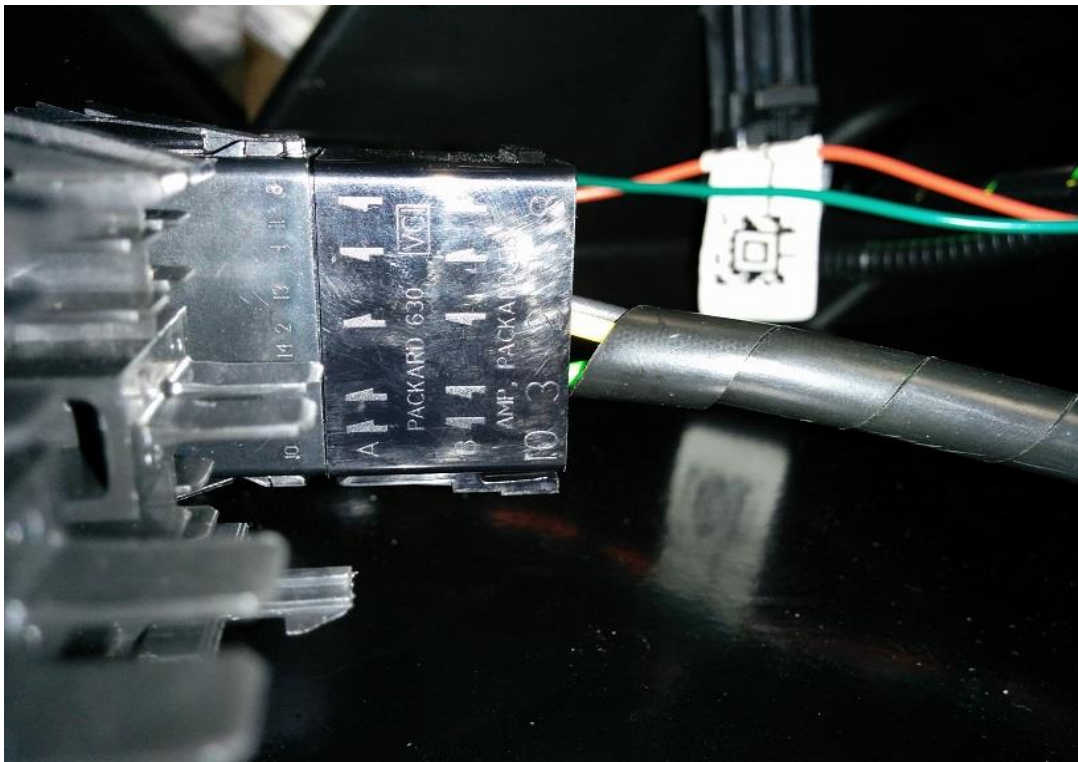
Connect the wiper harness to the wiper motor.



Press the wiper switch harness branch pins into the wiper switch connector (**DETAILED VIEW**).



If necessary cut the rectangle hole (43 mm x 22 mm) into the dashboard.
Route the wiper/washer switch branch through the dashboard and connect the harness to the switch.



PRESS THE SWITCH INTO THE HOLE.



CONNECT THE HARNESS TO THE ORIGINAL ELECTROINSTALLATION.

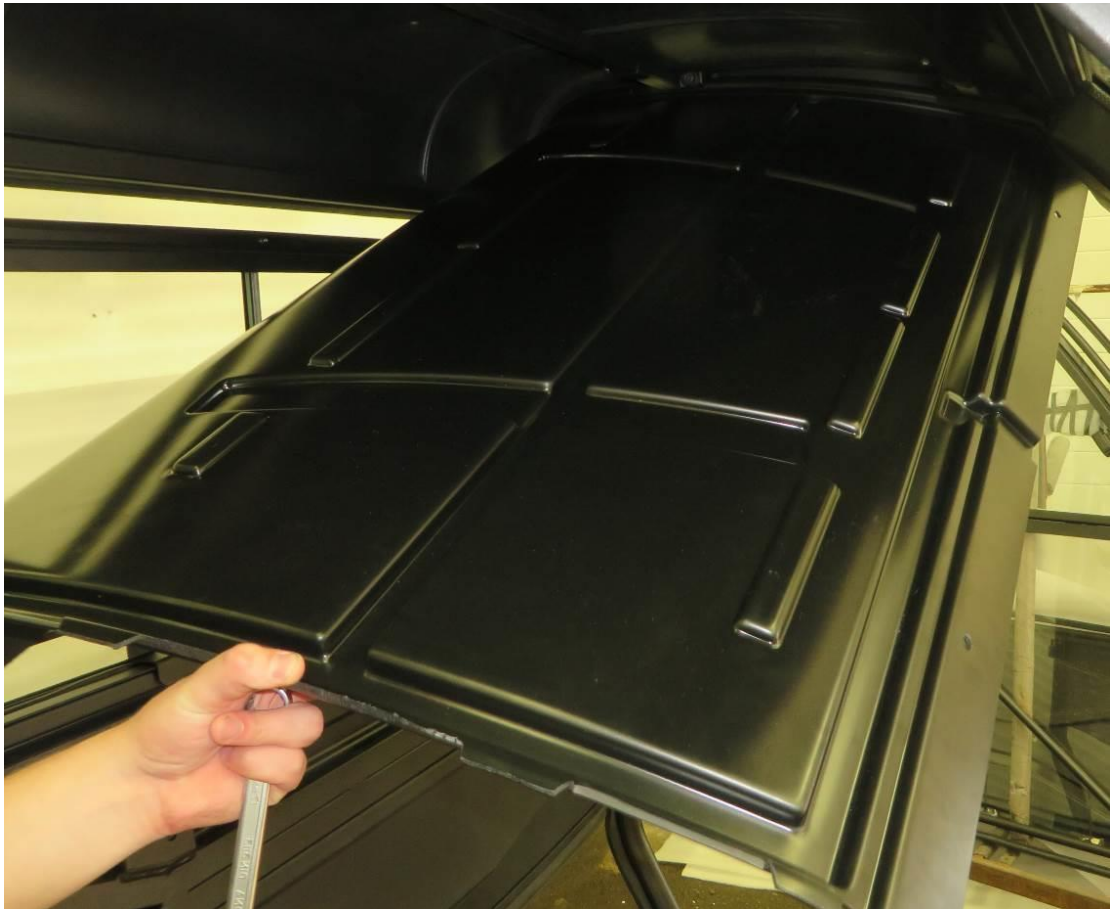
ROOF UPHOLSTERY.

Press one side of the roof upholstery into the right position.



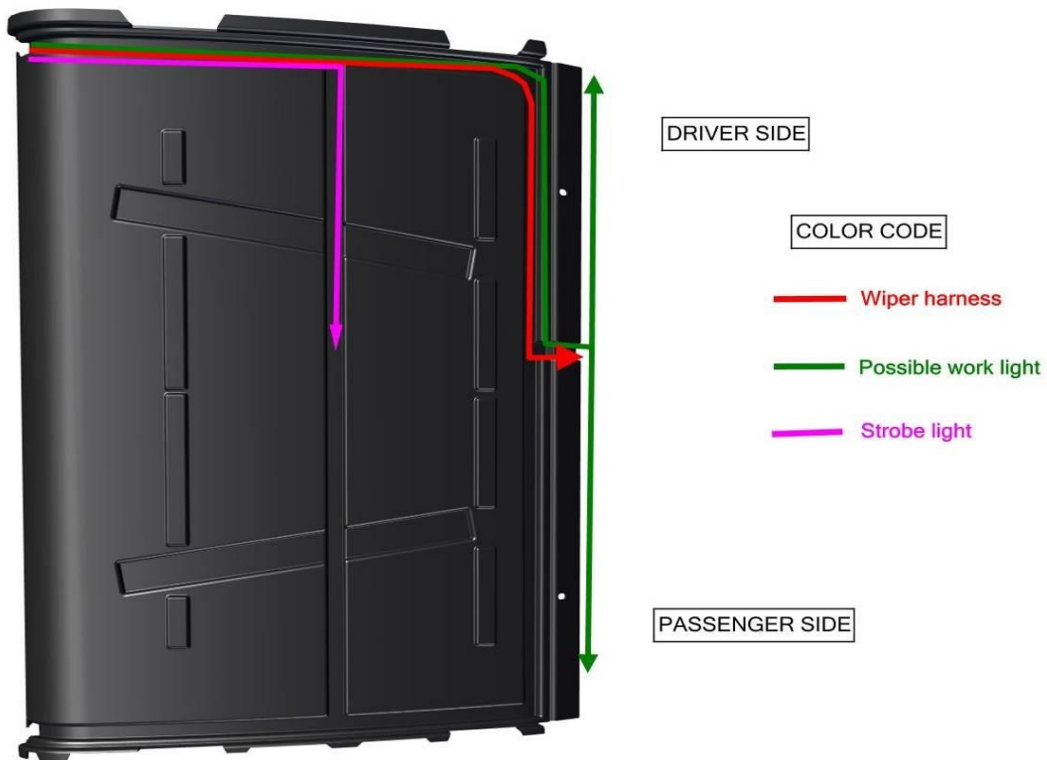
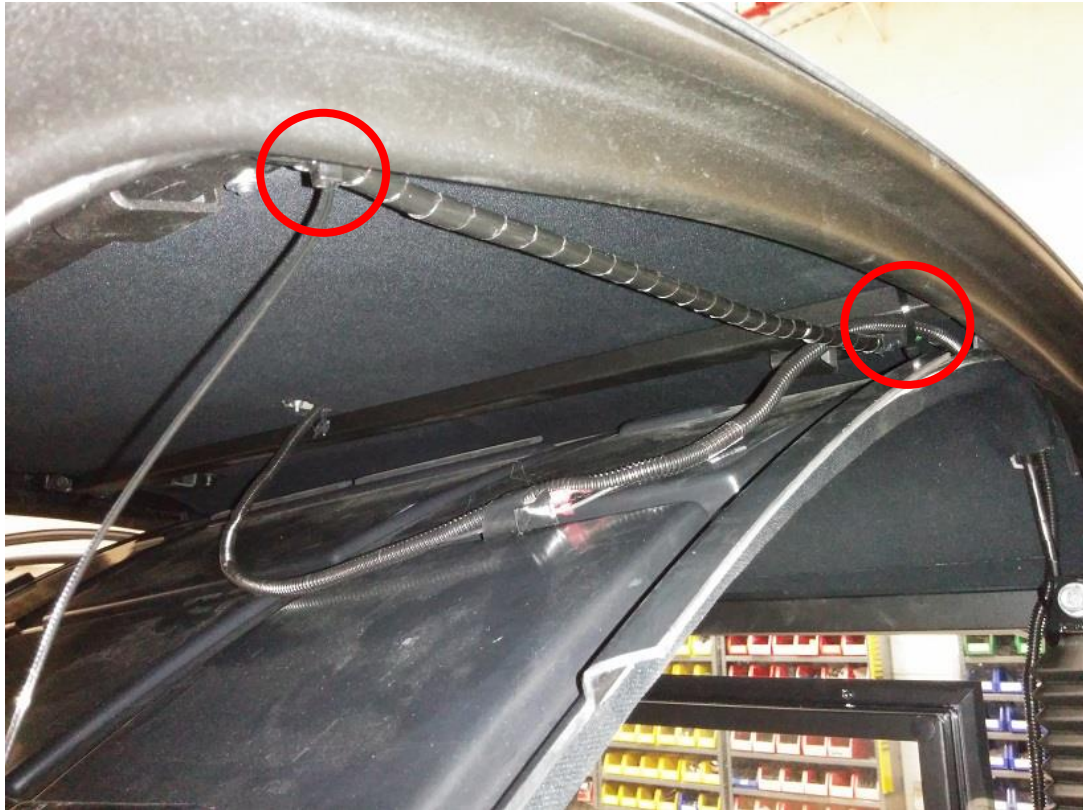
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DETAILED VIEWS



Take extra care for the harness placement. Fix the wiper harness to the support frame with included tightening straps (red circle).

DETAILED VIEWS



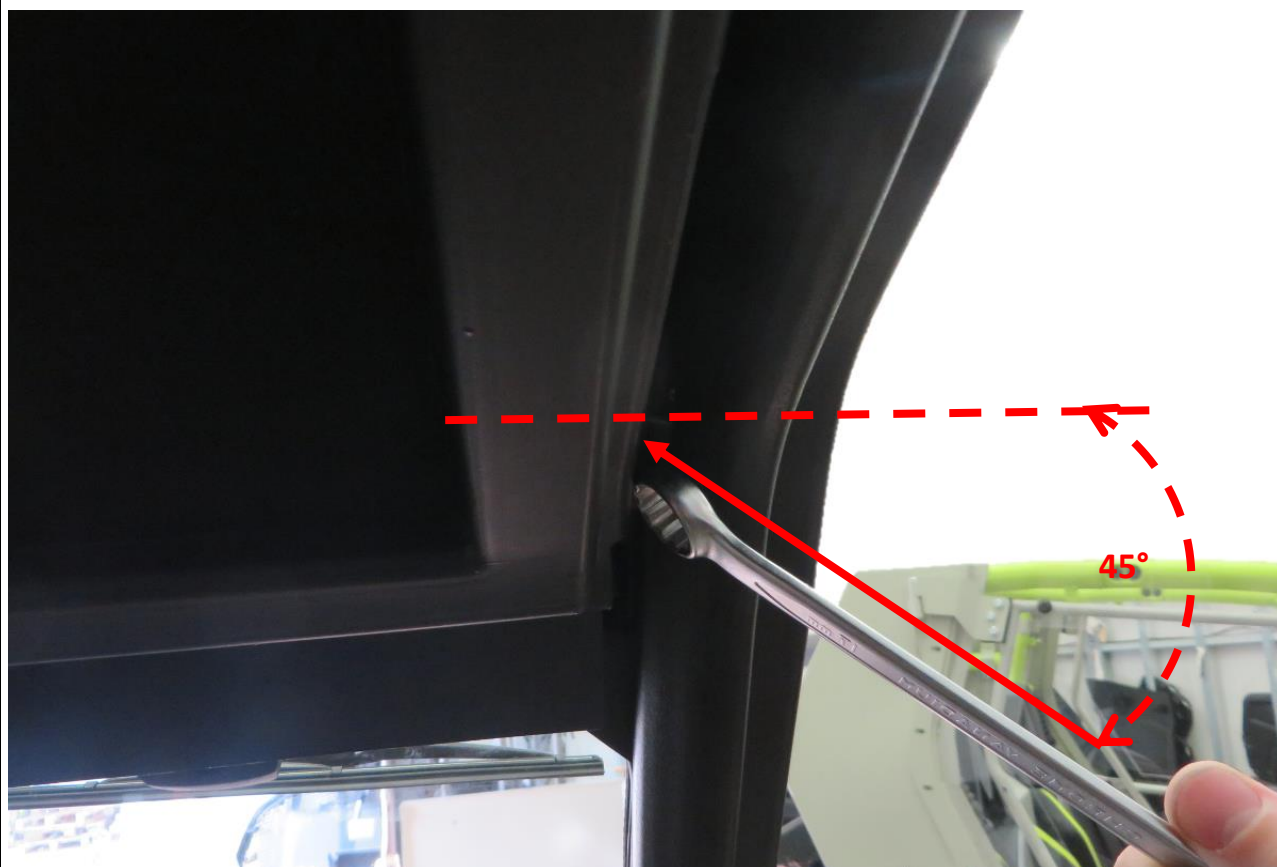
Use some tool (pry bar, screwdriver, etc.) to press the roof upholstery into the right position on the other side.

WARNING: Do NOT press the panel by hand. It could result in serious injury.



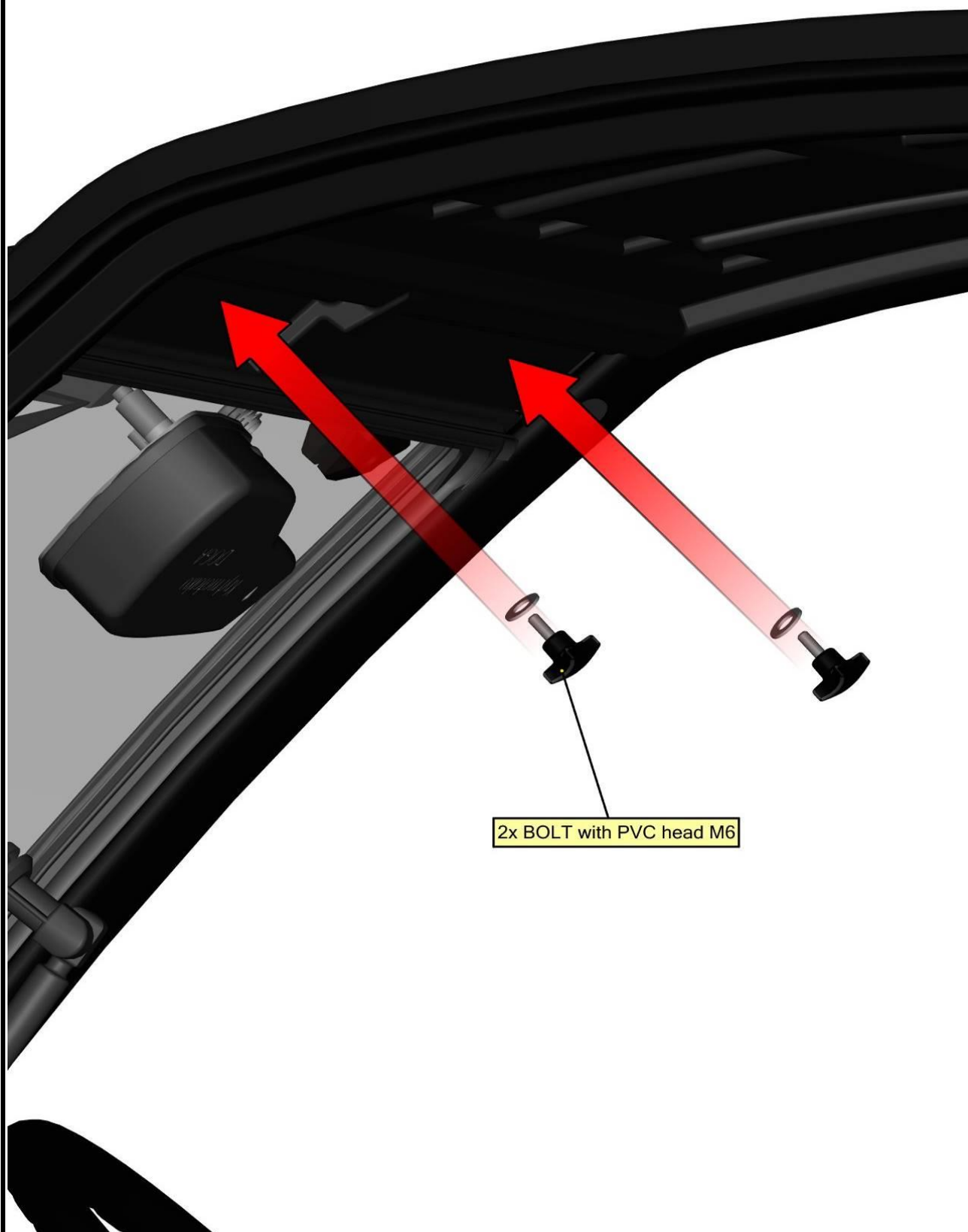
61

DETAILED VIEW



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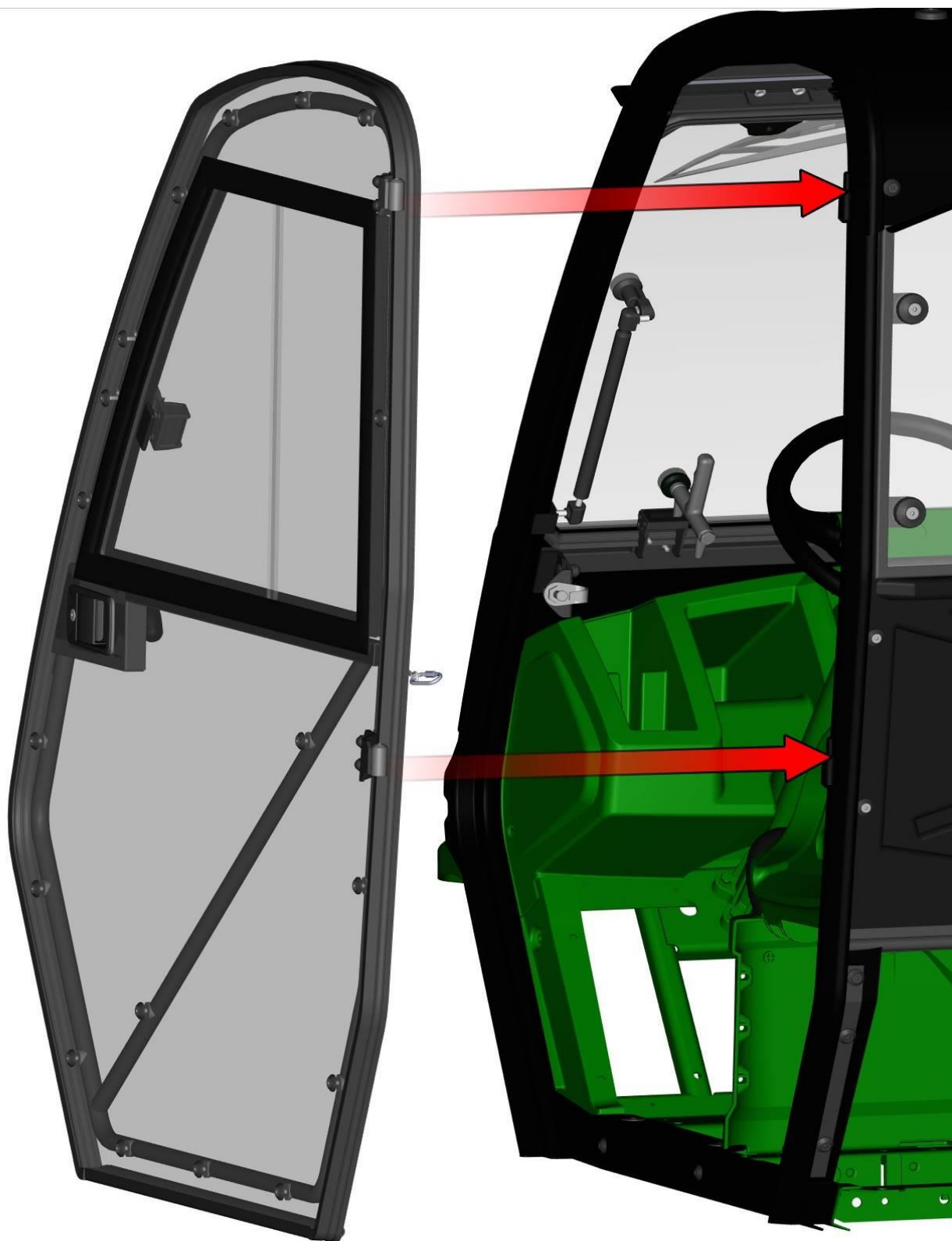
Mount the roof upholstery to the front upper ledge with bolts with PVC head.



63

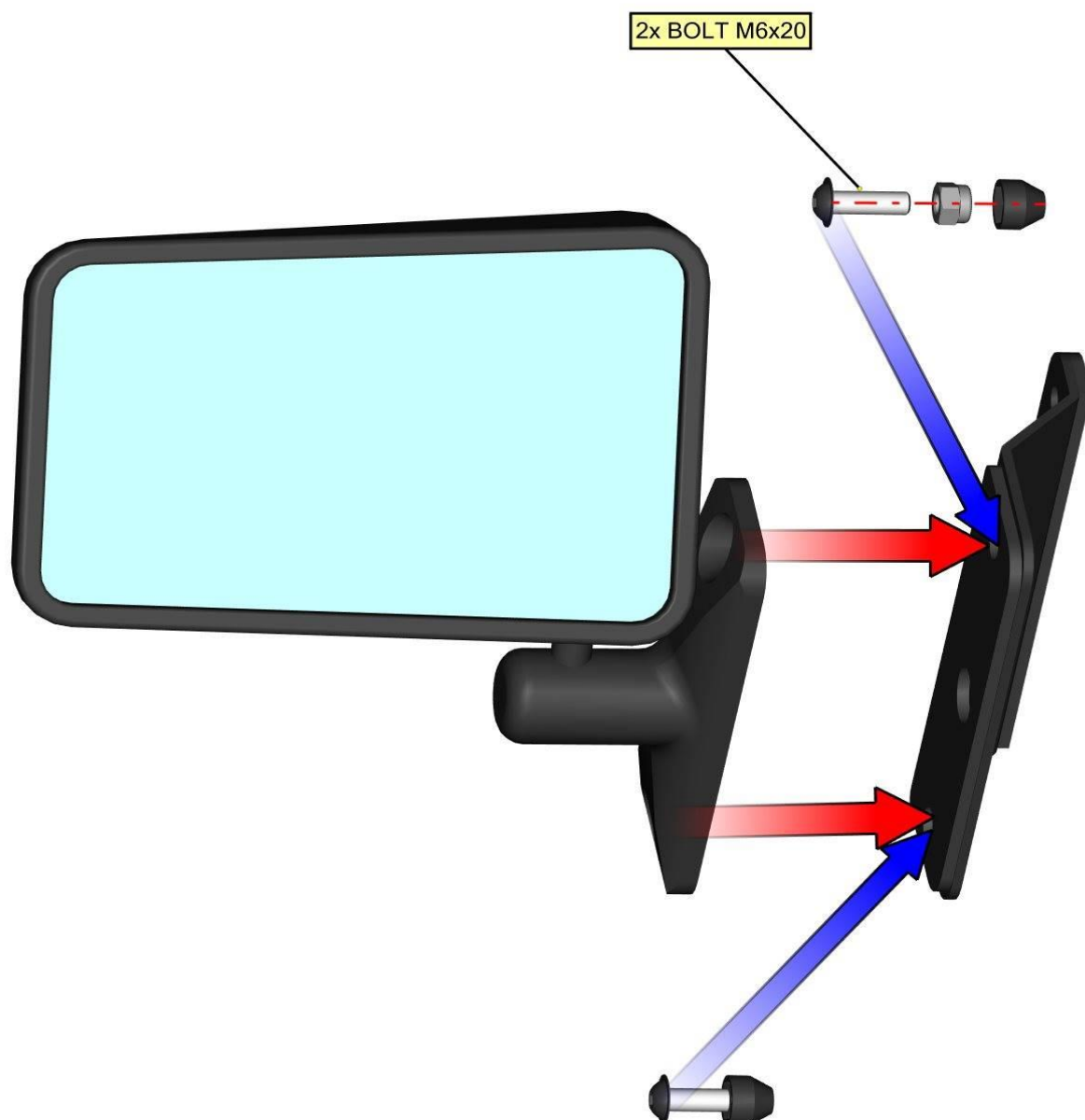
LEFT DOOR + RIGHT DOOR

Place the left door assembly back onto the hinges.



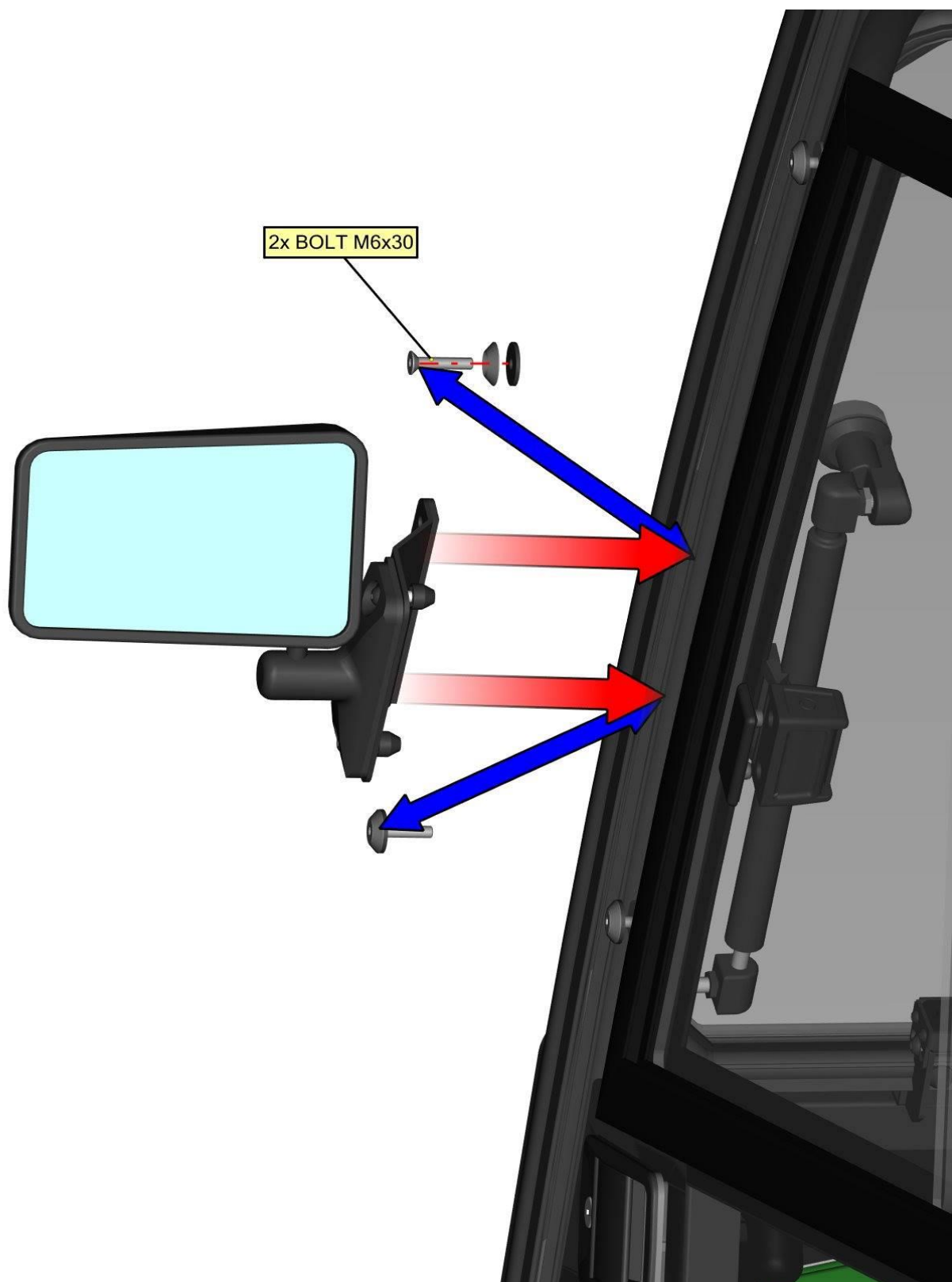
64

If not already pre-installed, mount the left door mirror to the mirror holder with included bolts.



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Uninstall door polycarbonate fixing assemblies and align the left door mirror into correct position.
Use polycarbonate fixing assemblies to mount the left door mirror to the door.



Mount the safety cable snap-hook to the door frame, using pre-installed eyebolt.

DETAILED VIEW



Repeat Instruction Manual Pages 64-67 steps with the right door assembly.



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Place the **WARNING STICKER** onto the rear polycarbonate on both sides.

