



INSTALLATION INSTRUCTIONS

KAWASAKI
MULE PRO FXT



SAFETY INSTRUCTIONS

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

THOROUGHLY 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 FULL open position. Failure to properly latch front window 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 HardCabs 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.

Wash off Dirt and dust with a gentle water stream and wipe off with wet or soft towel in the direction from top to bottom.

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

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 with razor blades or other sharp items.

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

Do not use a squeegee, it could scratch surface plates.

Do not power wash at a strength of more than 725psi (50 Bar).

The manufacturer is not responsible for surface scratches due to failure to comply with the above instructions.

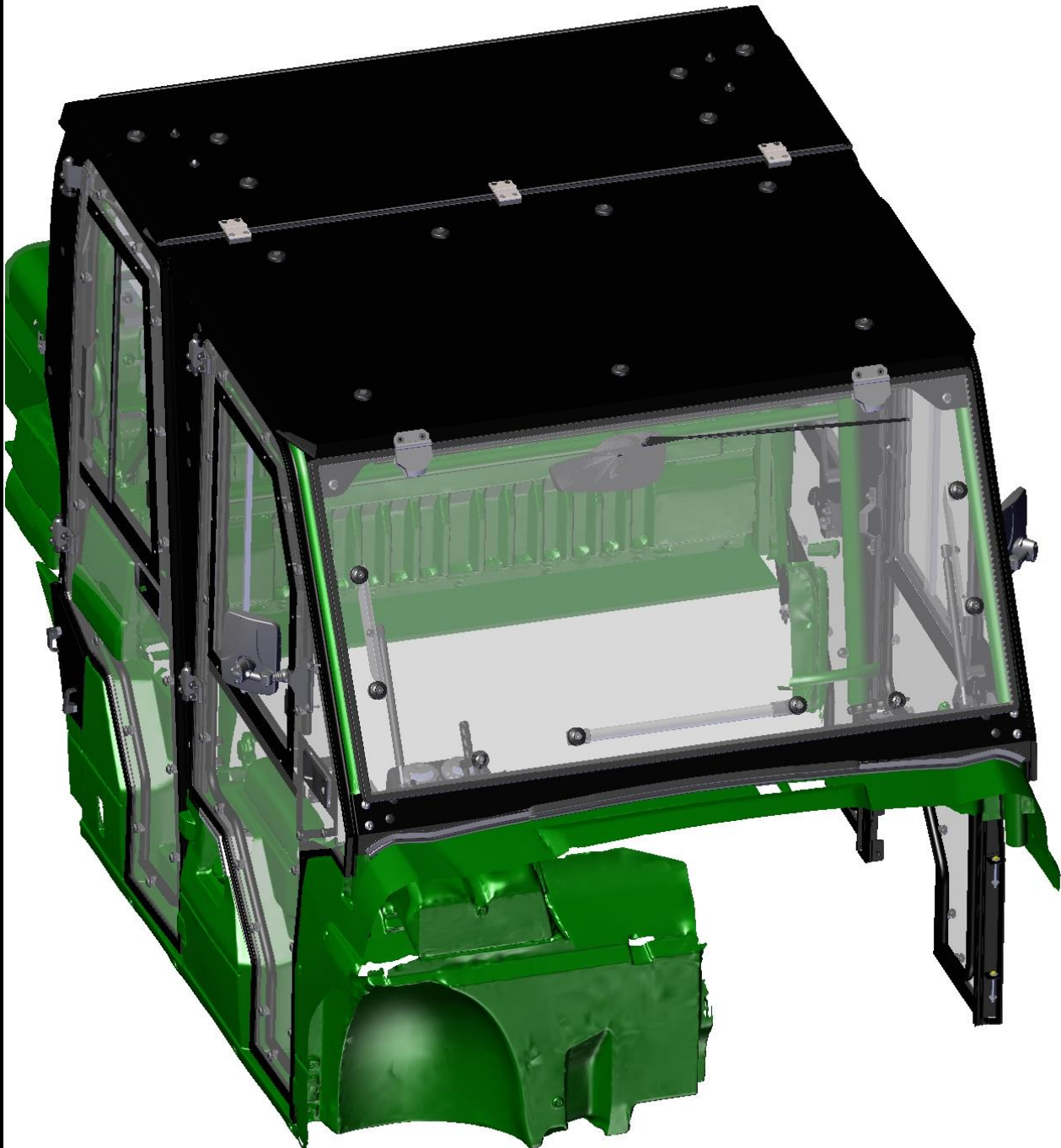
All bolted connections of cab must be checked and tightened by user at regular intervals.

It is necessary to check the air filter of the heater regularly, depending on the dust environment in which the vehicle is operated.

PREPARATION FOR INSTALLATION

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

CAB PREVIEW

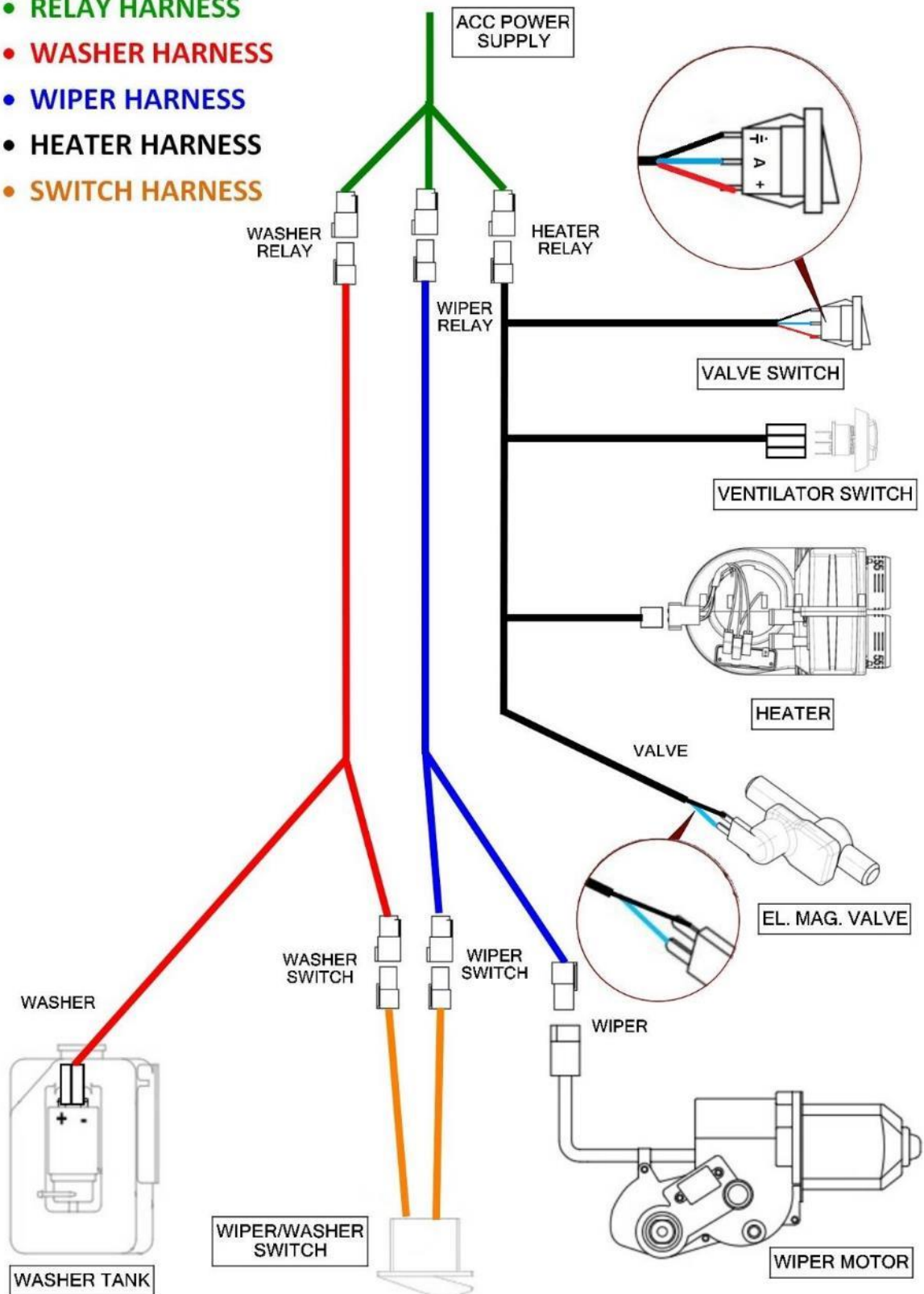


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ELECTROINSTALLATION 1.

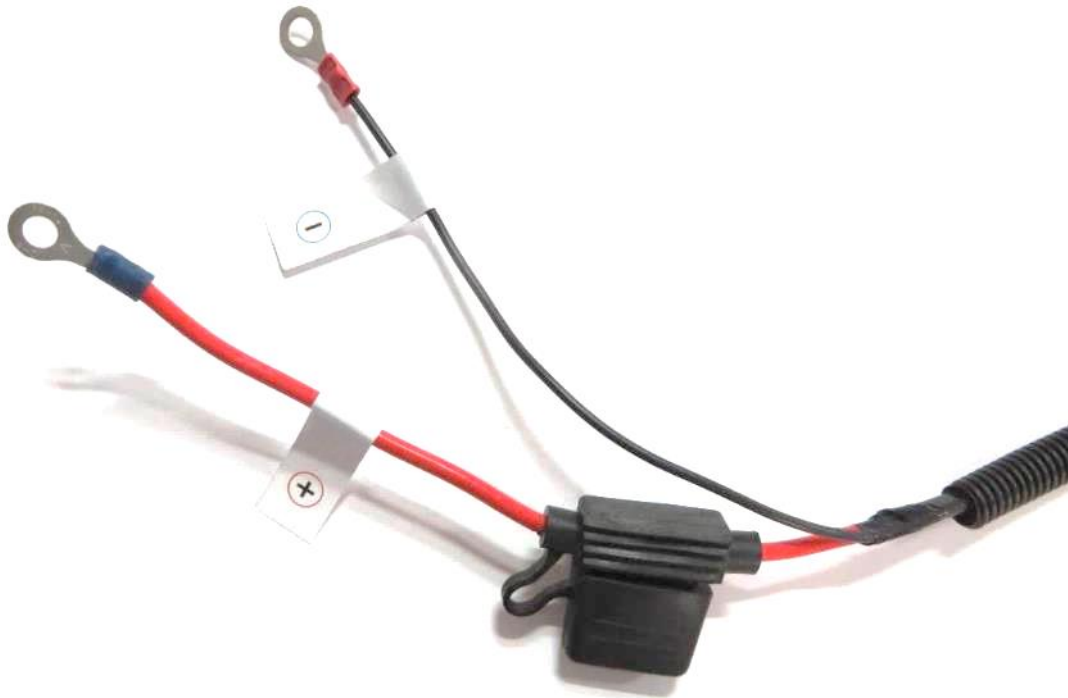
WIRING DIAGRAM

- RELAY HARNESS
- WASHER HARNESS
- WIPER HARNESS
- HEATER HARNESS
- SWITCH HARNESS



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Connect the power supply harness branch to the original electroinstallation.



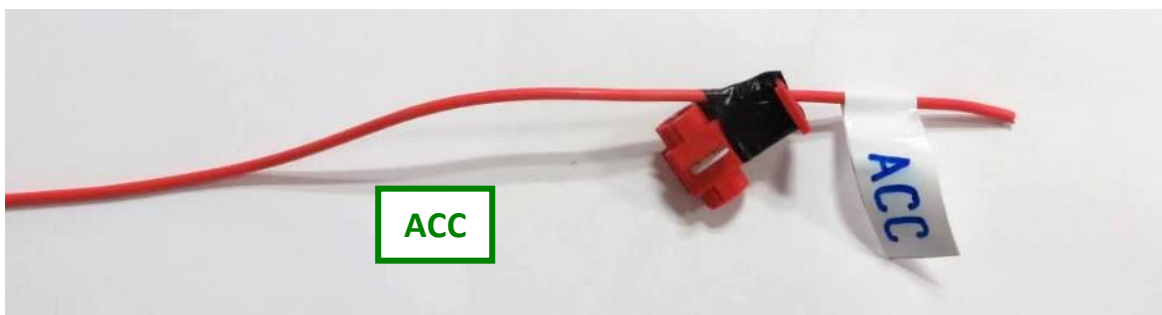
6 Position of connecting the harness.



Route the harness branch from the harness to the UTV's main electrification.

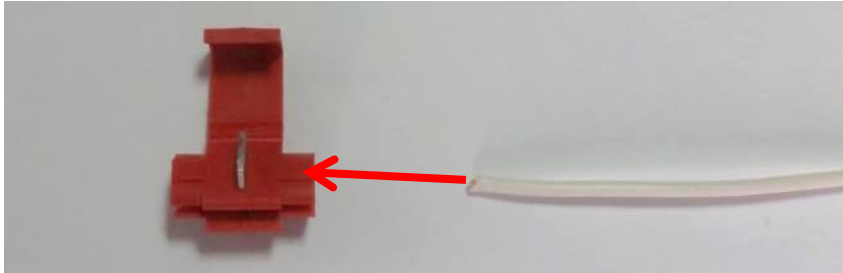


Find the original cable where is 12V+ after you turn on the main UTV's switch. Connect the harness cables, red to 12V+original electrification.

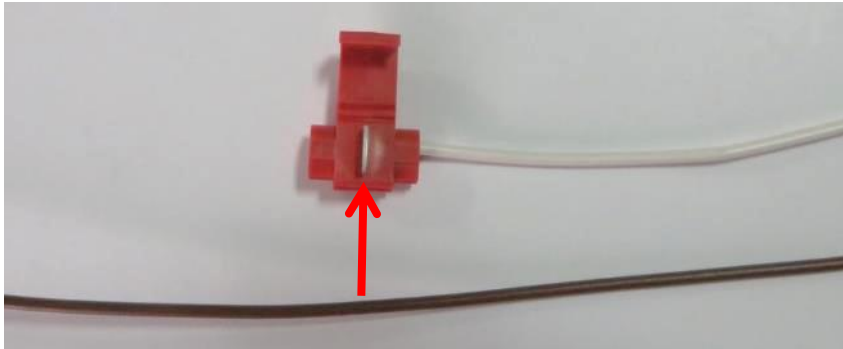


Universal IDC branch terminal clamp instructions

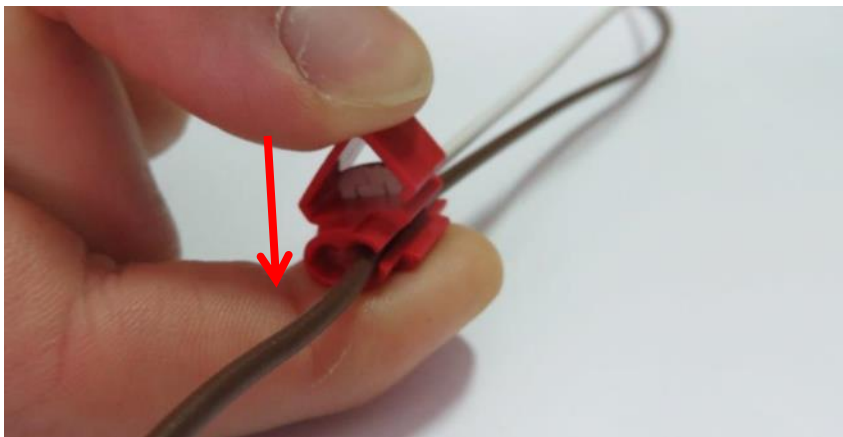
Push the harness wire inside the IDC branch terminal as much as possible.



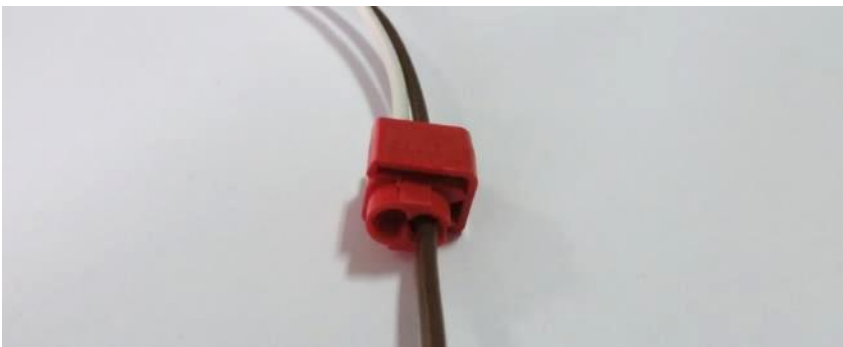
Press the original electro installation wire inside the IDC branch terminal clamp.



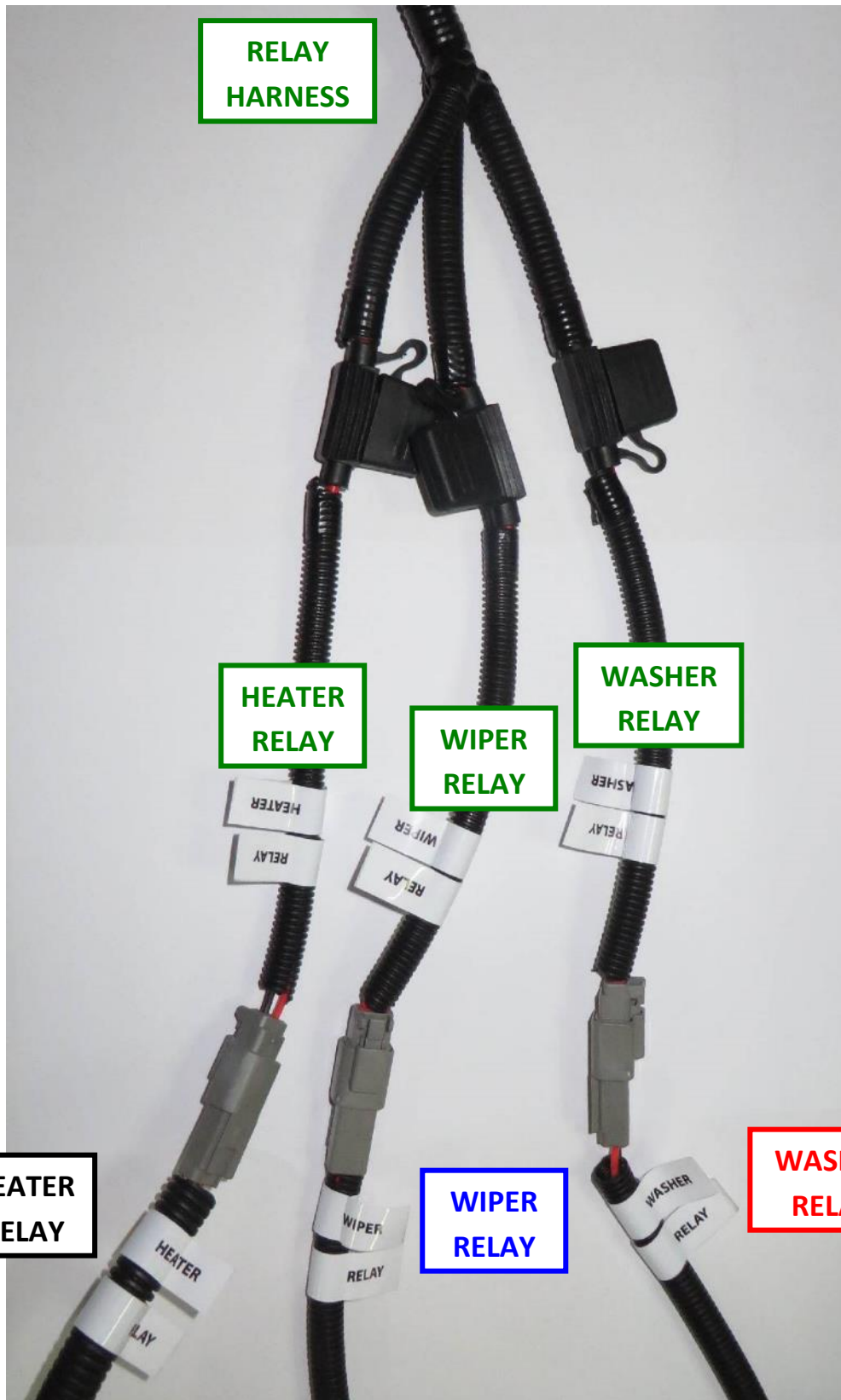
Press the metal part of the IDC branch terminal.



Fix the IDC branch terminal metal part with the safety bracket.



Connect the relay harness with the heater, wiper and washer branch harnesses.



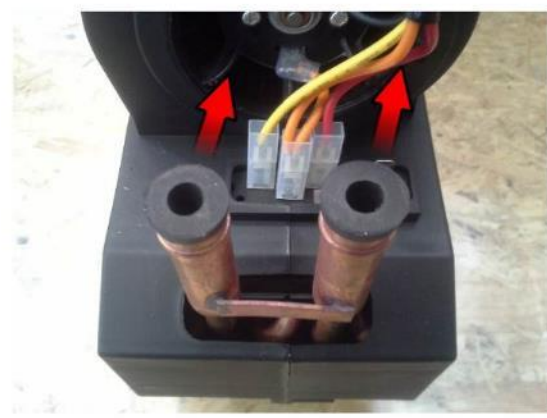
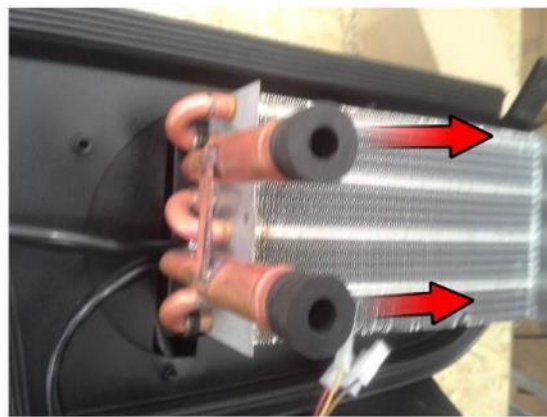
HEATER FOR DIESEL ENGINE

If you have PETROL engine skip to the chapter “Heater for petrol engine” at the end.

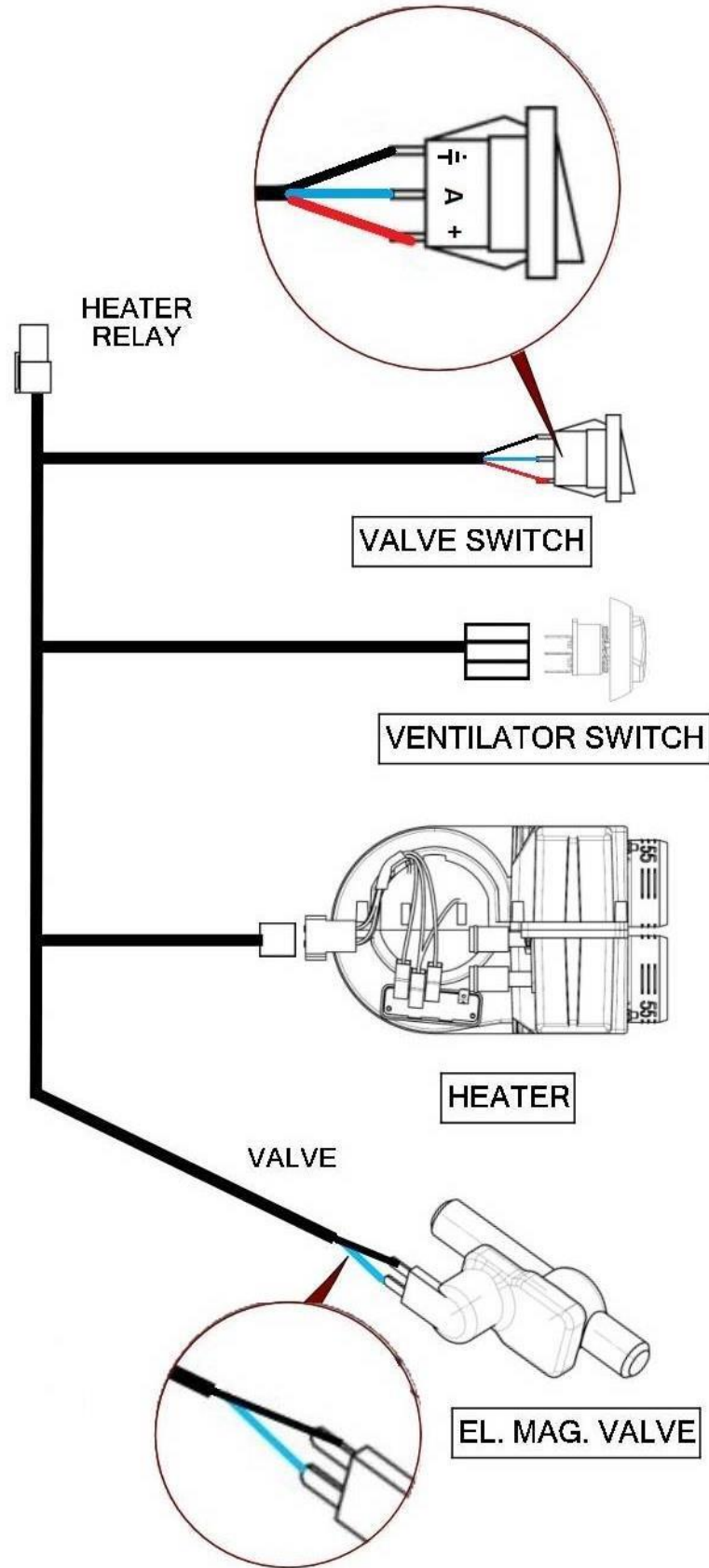
IMPORTANT

COOLANT FROM THE ENGINE COOLING SYSTEM SHOULD BE DRAINED.

IT IS ABSOLUTELY NECESSARY TO TAKE OUT THE RUBBER PLUGS FROM THE HEATER TUBES!



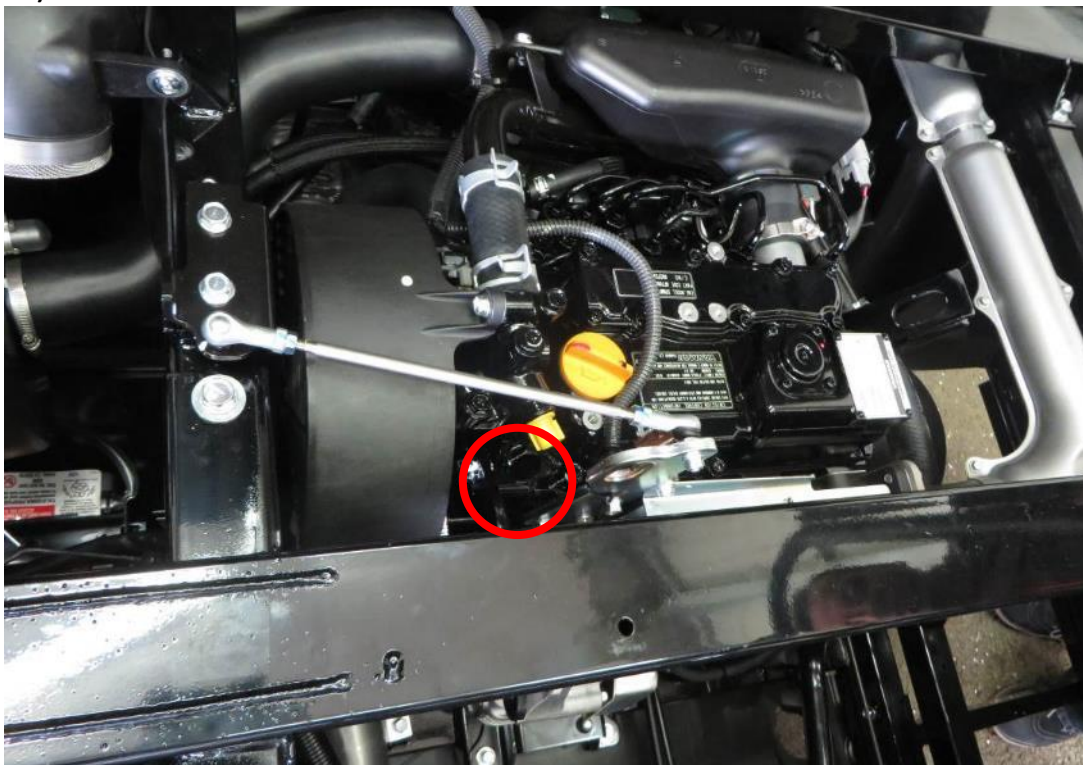
Heater wiring diagram.



Carefully uninstall front plastic covers, skidplate and front grill.



Discard original blank of bolt from the engine cooling system (red circle).

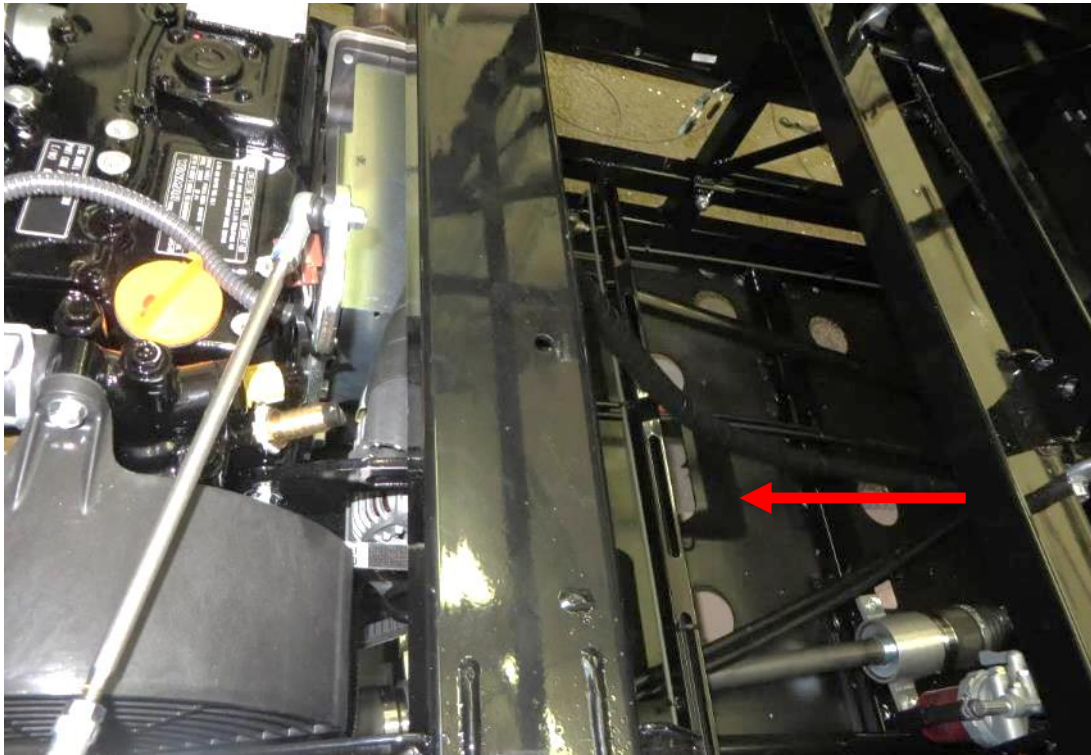


Install the pipe fitting to the engine cooling system. Is recomendet to use the sealing cord.

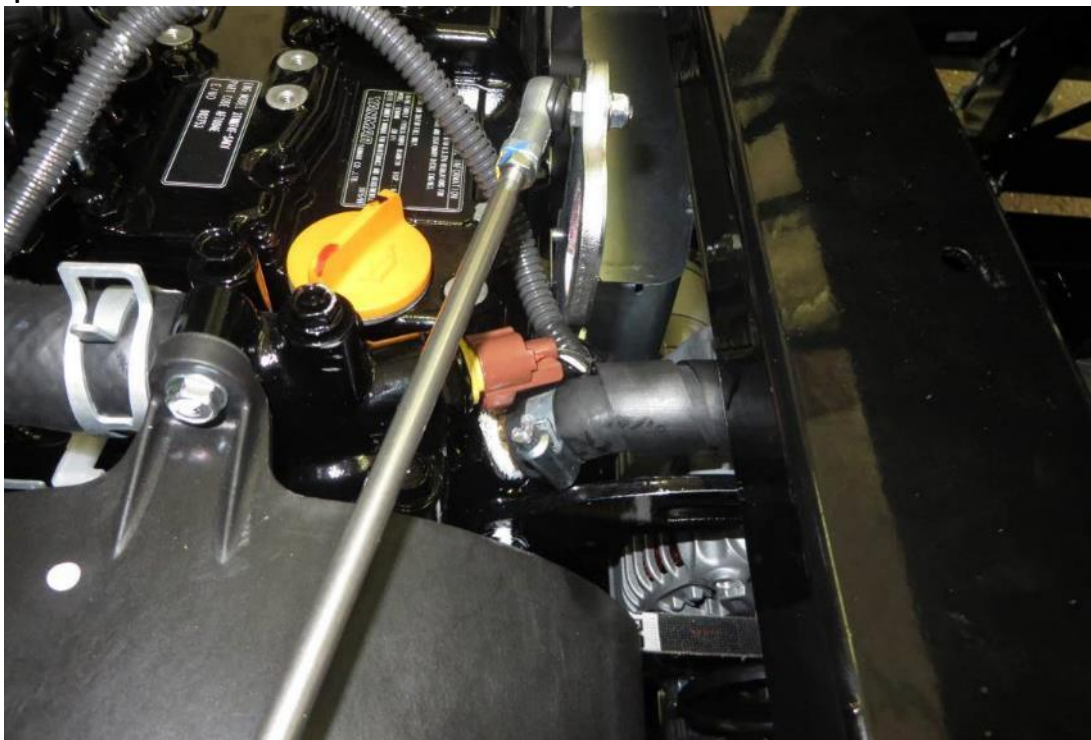


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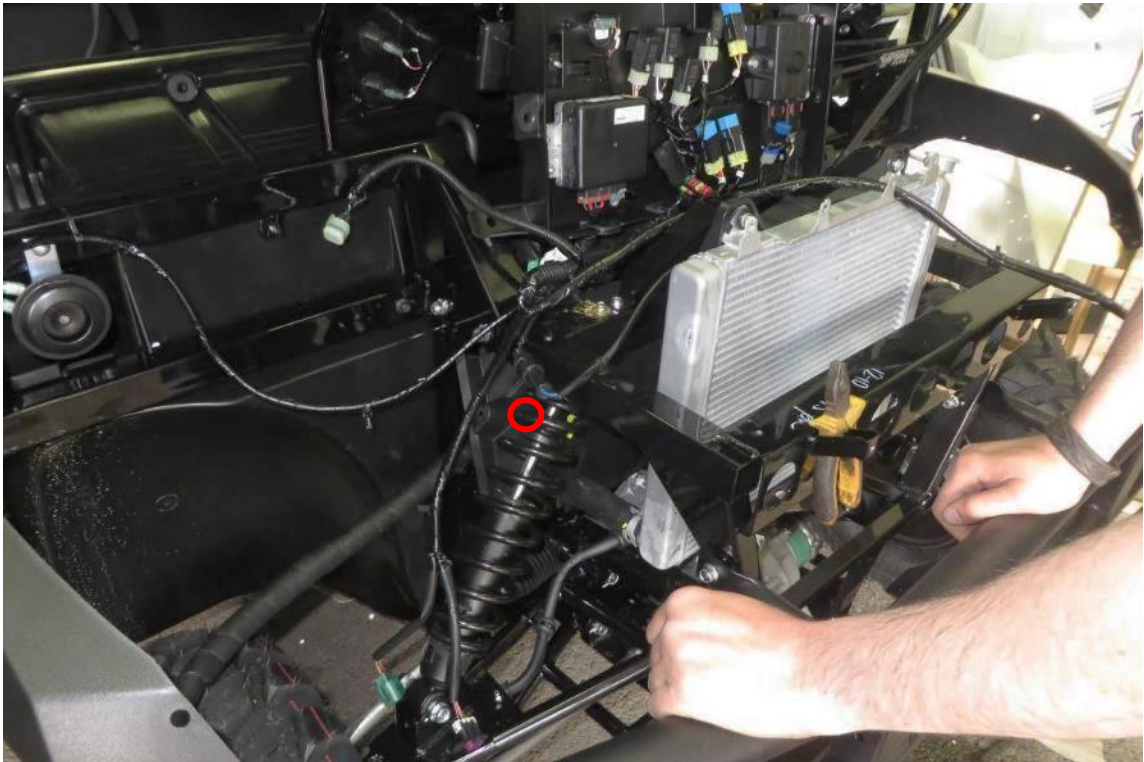
Remove the seat and engine bay cover and route the hot water hose from the front to the engine along the original cooling pipe.



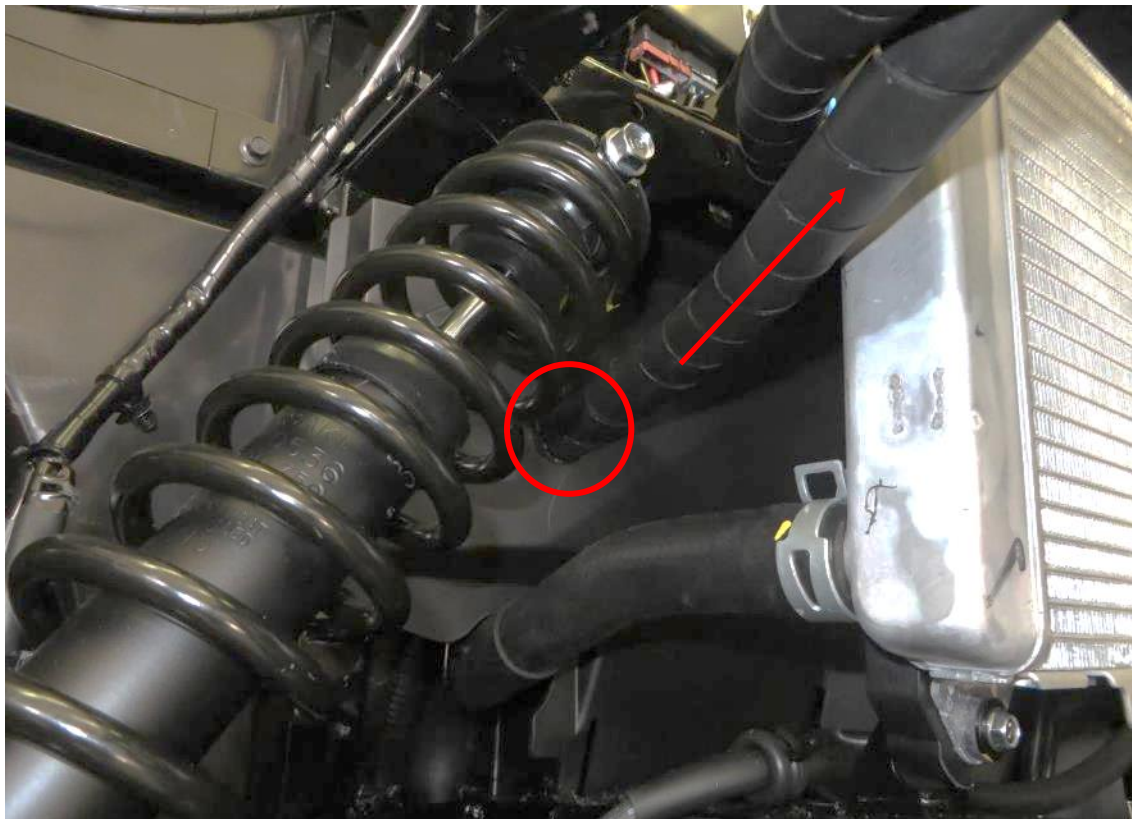
Connect the hot water hose to the pipe fitting and fix by tightening strap.



Drill hole $\varnothing 25\text{mm}$ into the front plastic cover (red circle) and route the hot water hose through.



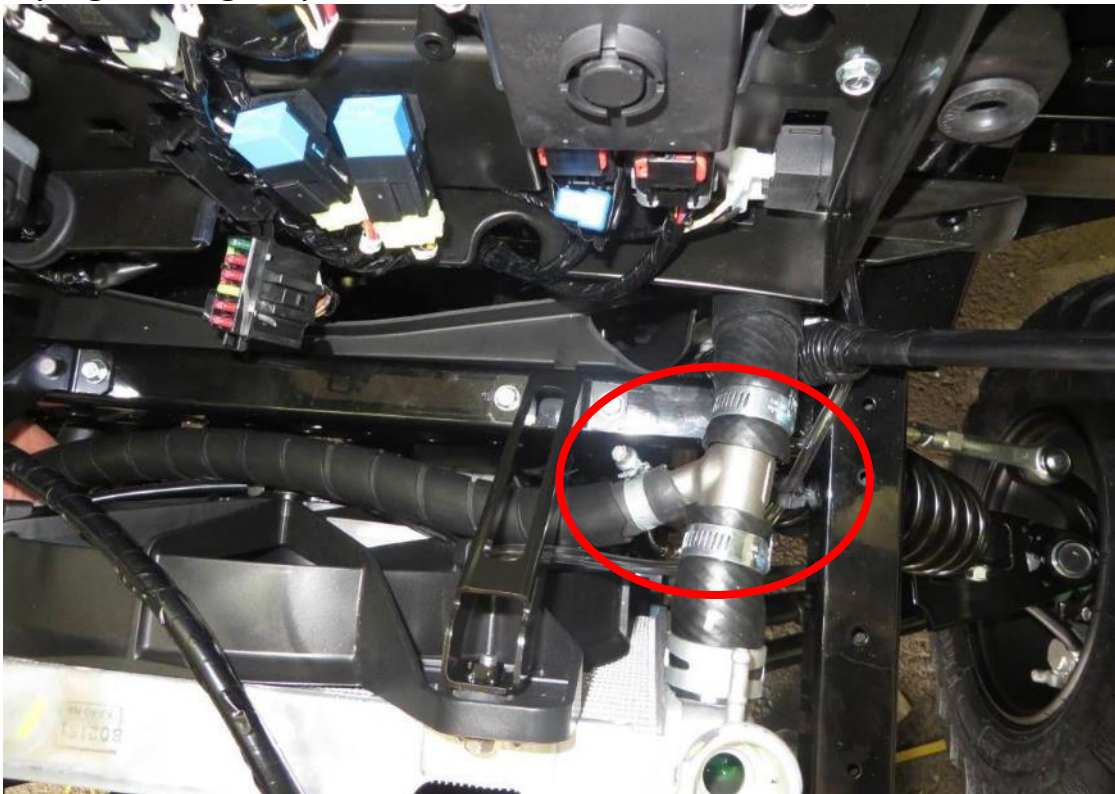
DETAILED VIEW



Secure the original cooling system hose by clamps and cut the hose between the clamps. Install "Y" pipe fitting to the hose and secure by tightening straps.



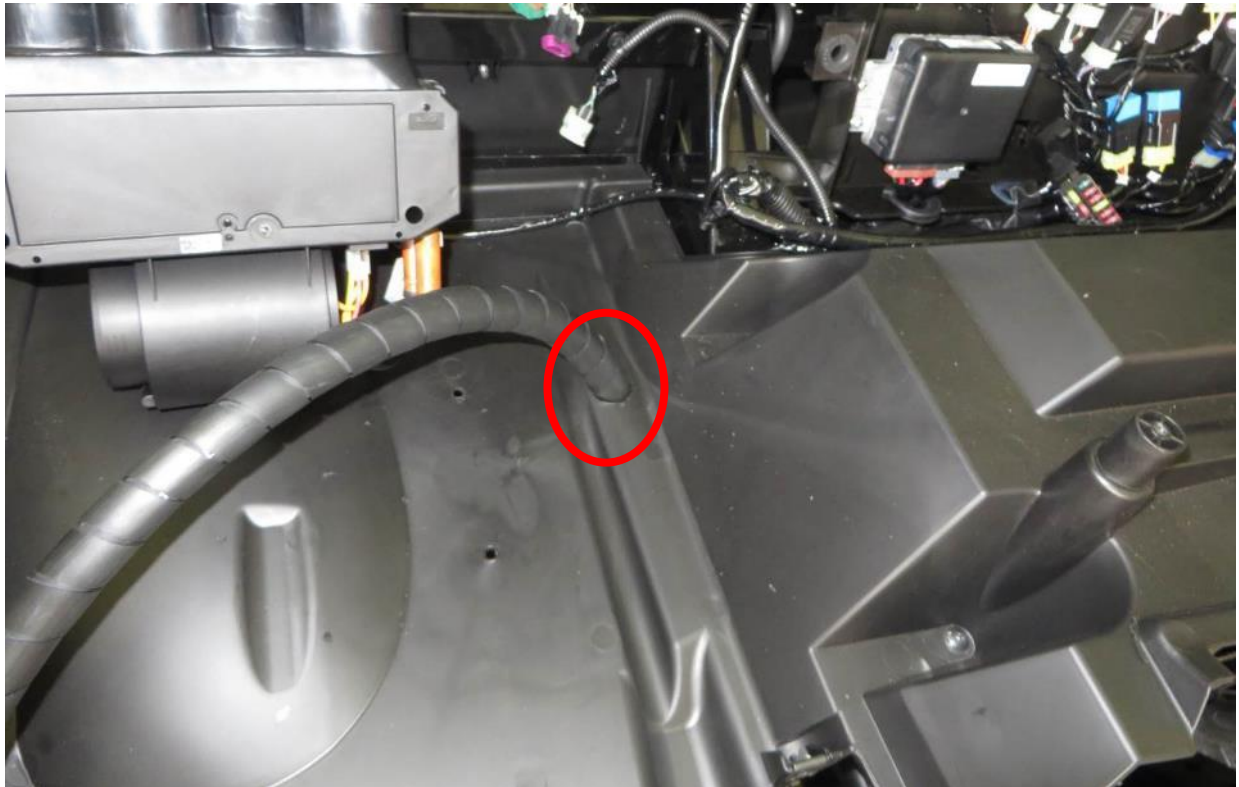
16 Connect the heater output hot water hose to the "Y" pipe fitting and fix by tightening strap.



Cut the heater hose near “Y” coupling from previous page.
Install the air vent valve into the hose and fix by tightening straps.



Drill 2 holes $\varnothing 25\text{mm}$ (red circle) for the hot water hoses into the front boot bottom cover. Install the cover back and route the hose through.



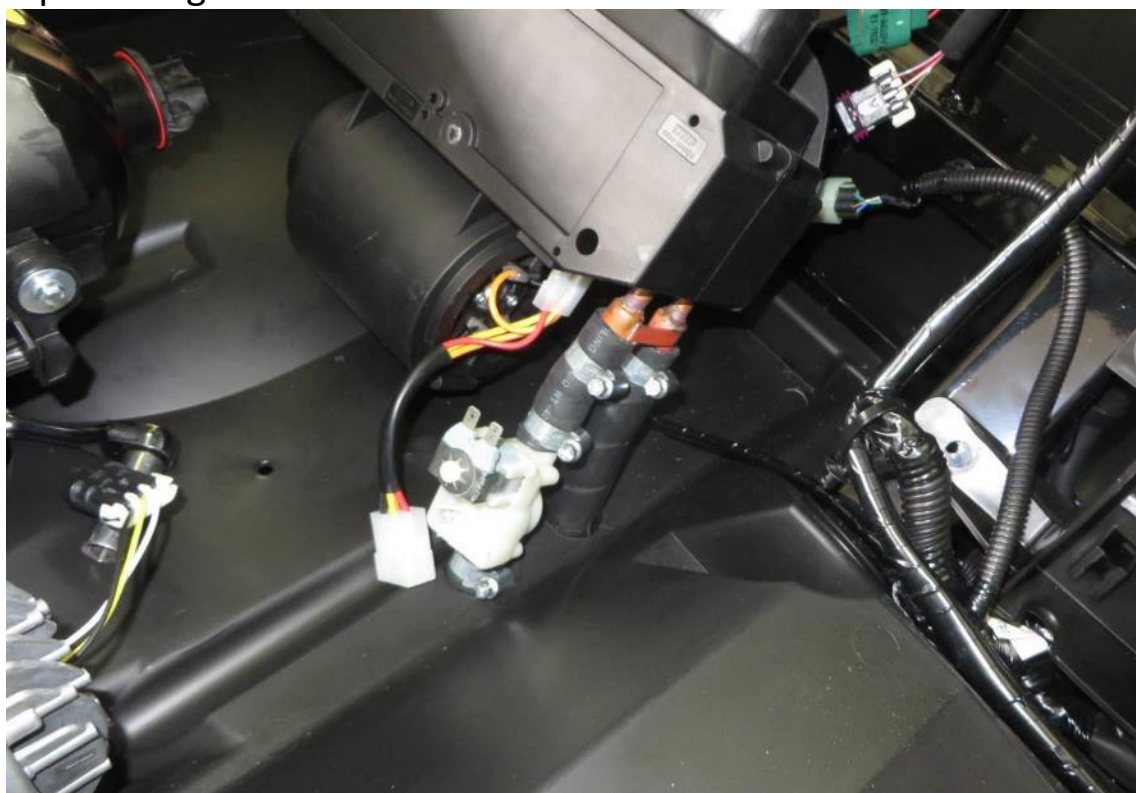
17

Place the heater with the pre-installed el. valve into the position and fix the heater holder to the UTV front ledge.



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Install the the hot water hose from the engine onto the el. valve and the second hose onto the free heater tube. Fix hose by tightening straps and tighten them hard.



Carefully cut the hole $\varnothing 77\text{mm}$ into the bottom part of the dashboard on both sides.



Carefully cut the hole $\varnothing 55\text{mm}$ into the upper part of the dashboard on both sides.



Route the pre-installed hot air hoses PVC under the dashboard to the holes and lead them through the holes.



20 Install the air vents onto the hot air hoses PVC and fix by tightening straps.

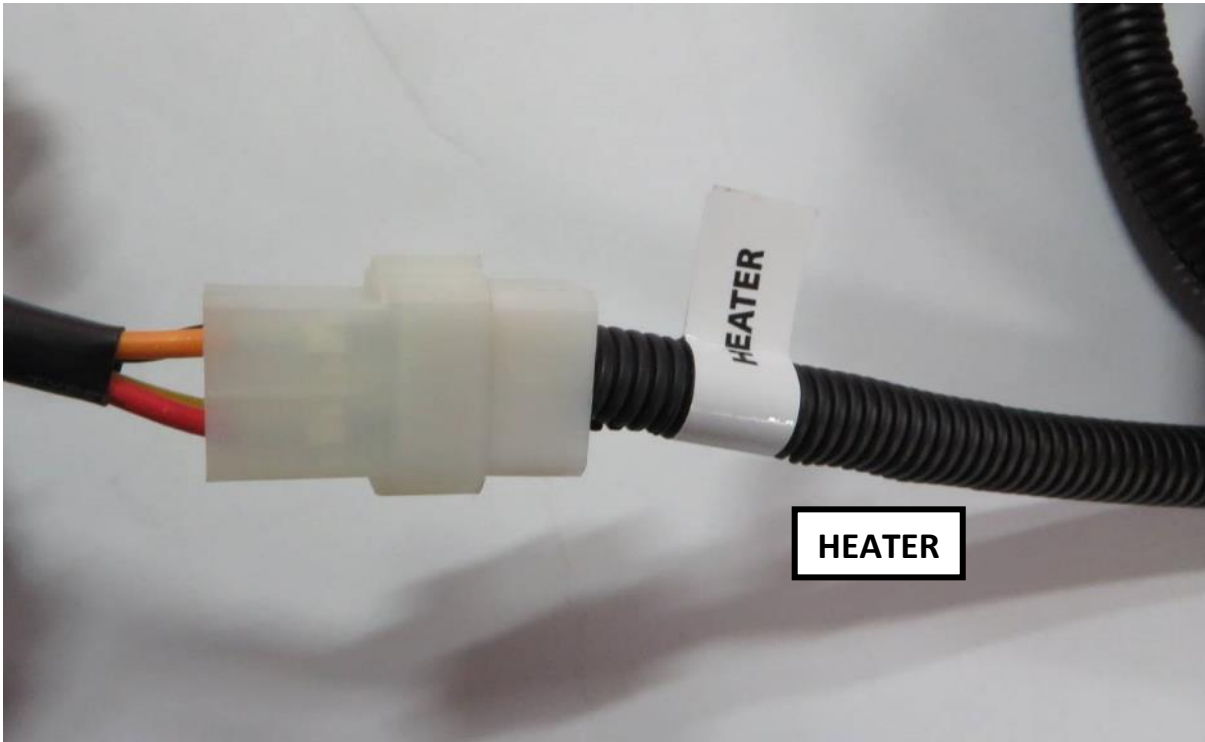


Press the air vents into the dashboard on both sides.

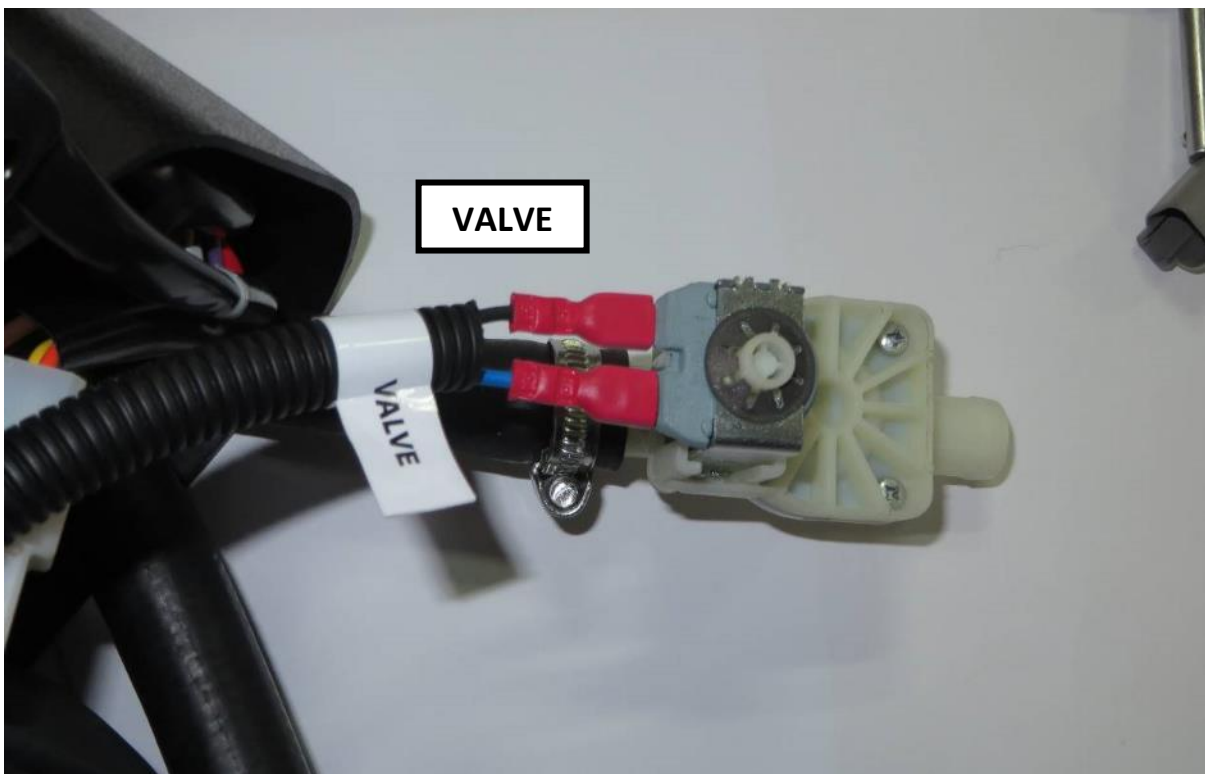


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Connect the heater harness branch with the heater connector. Detail view.



22 Connect the valve harness branch with the electromagnetic vent. Detail view.



Drill 1 hole $\varnothing 12\text{mm}$ and 2 holes $\varnothing 2,5\text{mm}$ into the dashboard in accordance with the ventilator switch base.



Route the switch harness branches from the heater to the UTV switch panel. Connect the heater switch body with the harness branch. Insert the switch body with the harness and with the serrated-lock washer into the prepared hole from inside.



Place the switch base onto the dashboard and onto the pin of the switch body. Fix the switch with the switch base to dashboard by nut.



Place the plastic had onto the switch pin.

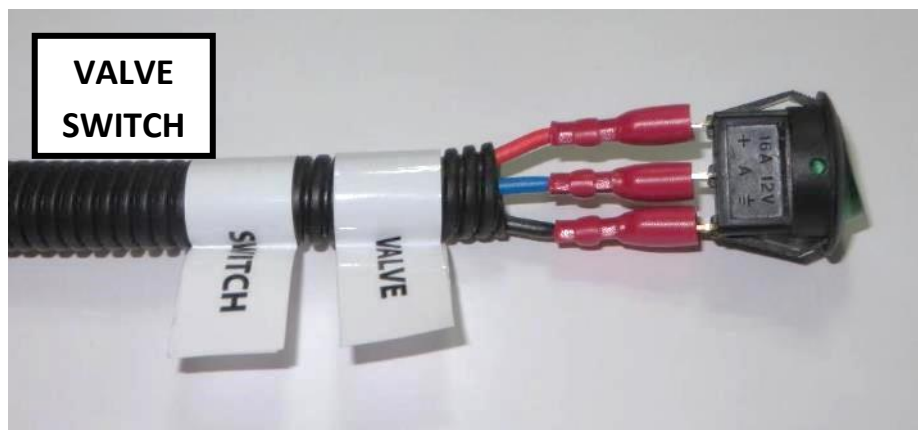
View onto installed heater switch.



Drill hole \varnothing 21 mm (red circle) for electromagnetic vent switch.

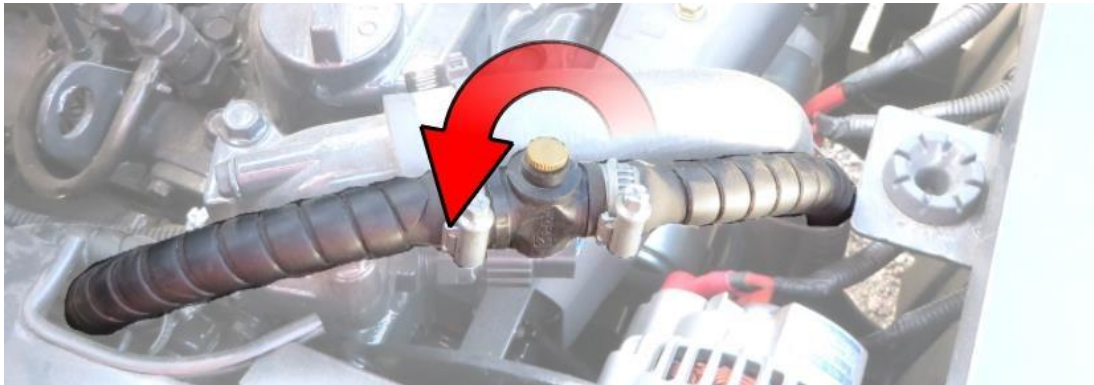


Pull the valve switch harness branch through the hole from previous step and connect the branch with the switch. Connection detail.



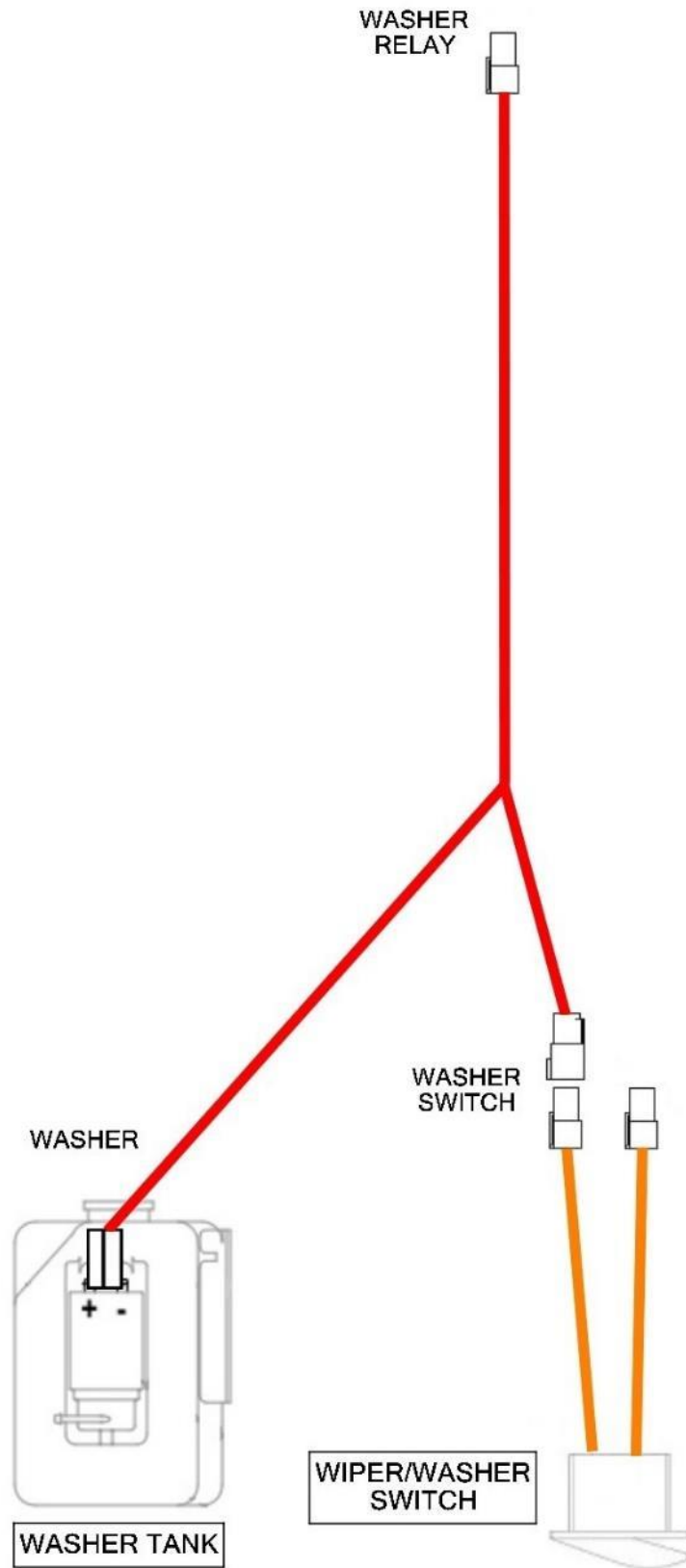
BLEEDING INSTRUCTIONS

- After installing the heater circuit, open the radiator and coolant reservoir of the vehicle and add coolant to both the coolant reservoir and radiator level is up to the MAX line.
- Install coolant reservoir and radiator caps.
- Activate heater fan, turn on the electromagnetic valve and put the heating level to maximum.
- Run engine at idle with coolant reservoir cap ON until the cooling fan cycles two times.
- If a DFK bleeding valve is included in the heater assembly, open it at nominal RPM until a continuous stream of fluid flows out of it.

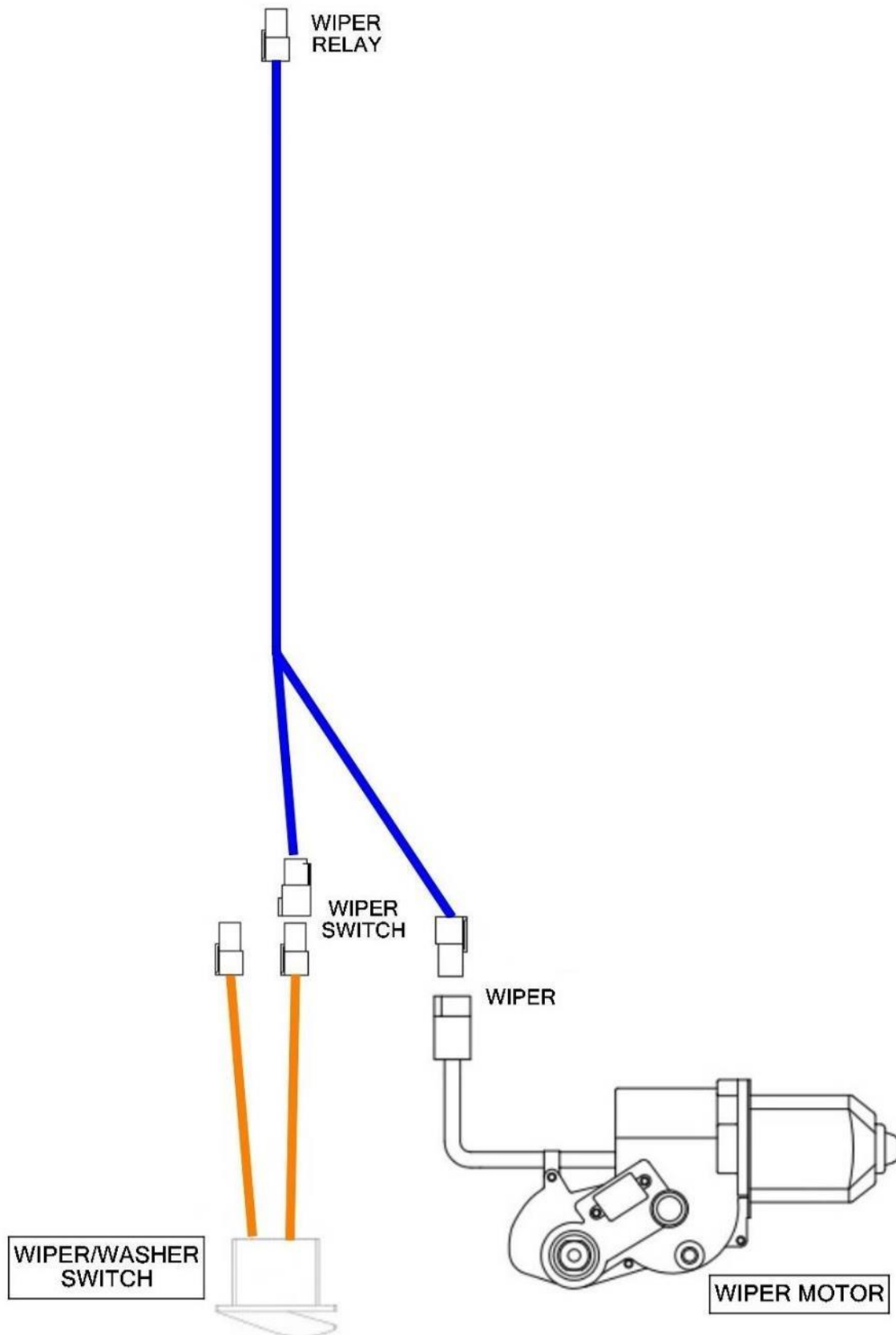


- Bleed even after the engine has warmed up to operating engine temperature and repeat several times until full flow, without air bubbles, escapes from the bleed plug holes.
- Check for heat coming out of the heater unit.
- Turn the ignition switch off and allow the engine to cool down.
- After the engine cools down check the coolant level in the radiator reserve tank.
- Close all coolant containers and bleeding valve before driving.
- After the test drive, check the coolant level in the radiator reserve tank and add coolant as necessary.
- Check for leaks in the entire heating circuit. Leaks can cause additional aeration.

WIPER/WASHER 1.
WASHER WIRING DIAGRAM



WIPER WIRING DIAGRAM



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Connect the washer harness branch and washer tube to the washer motor.



Install the washer tank into the front boot space.



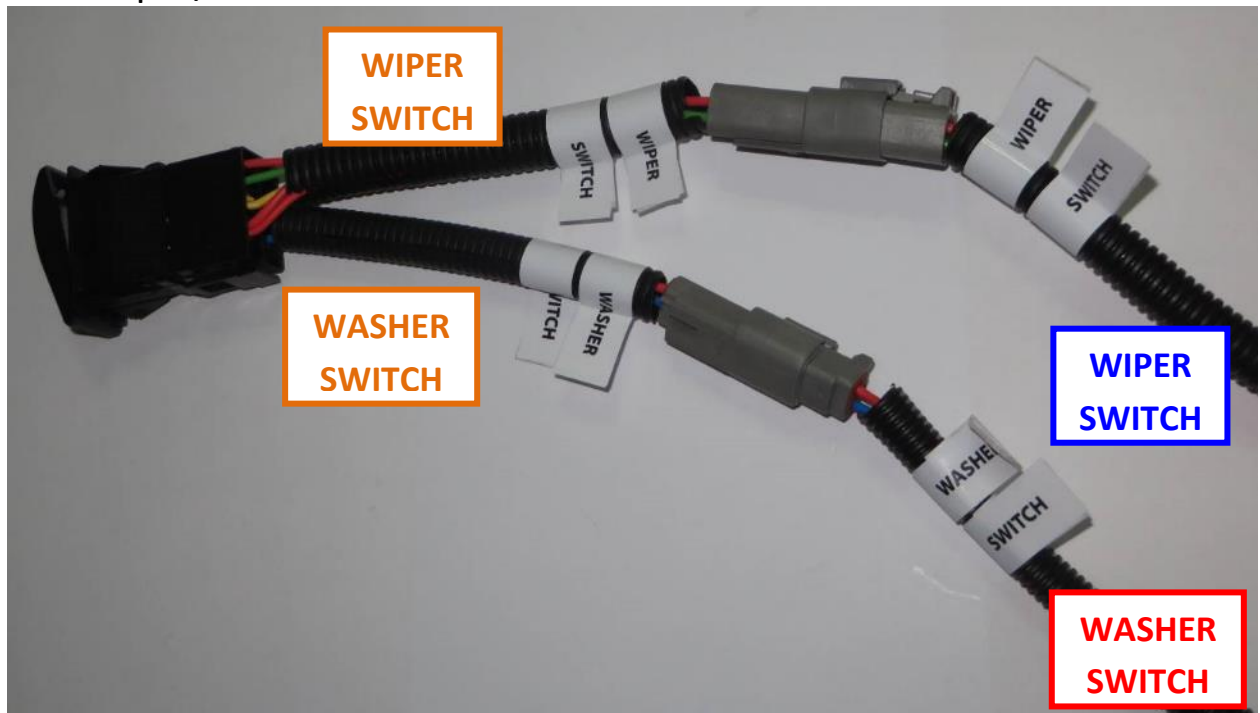
Route the wiper harness branch with the washer tube along the right roller cage ledge.



Route the wiper switch and the washer switch branches through the rectangle hole (red marked) in the dashboard.



Connect the wiper switch branch and the wiper switch branch with the wiper/washer switch harness.



Press the switch into the dashboard.

INSTALL ALL PLASTIC COVERS BACK.

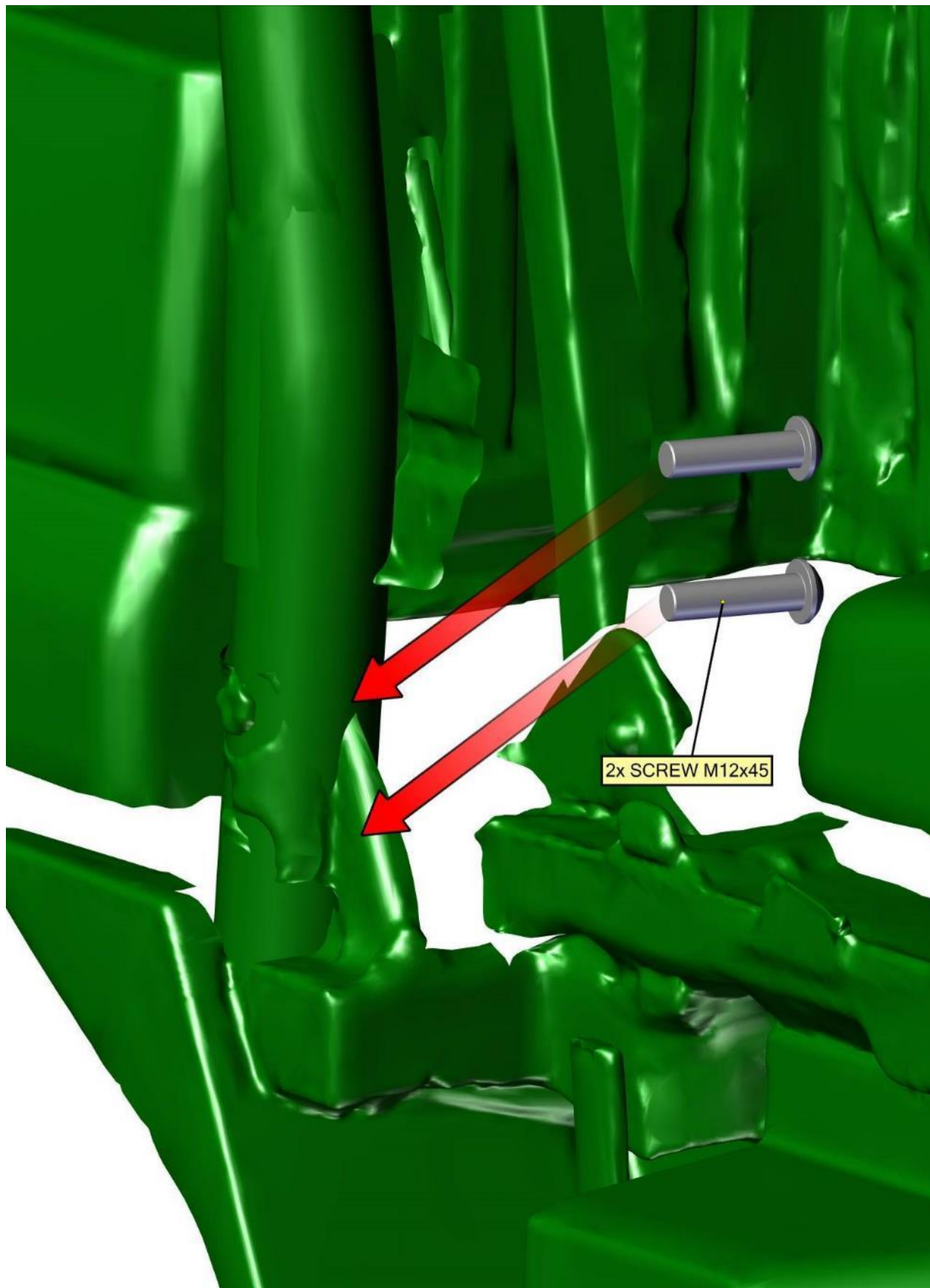


RIGHT DOOR BASE + LEFT DOOR BASE

One by one replace original screws (red circle) by included screws from inner side (next page).



32



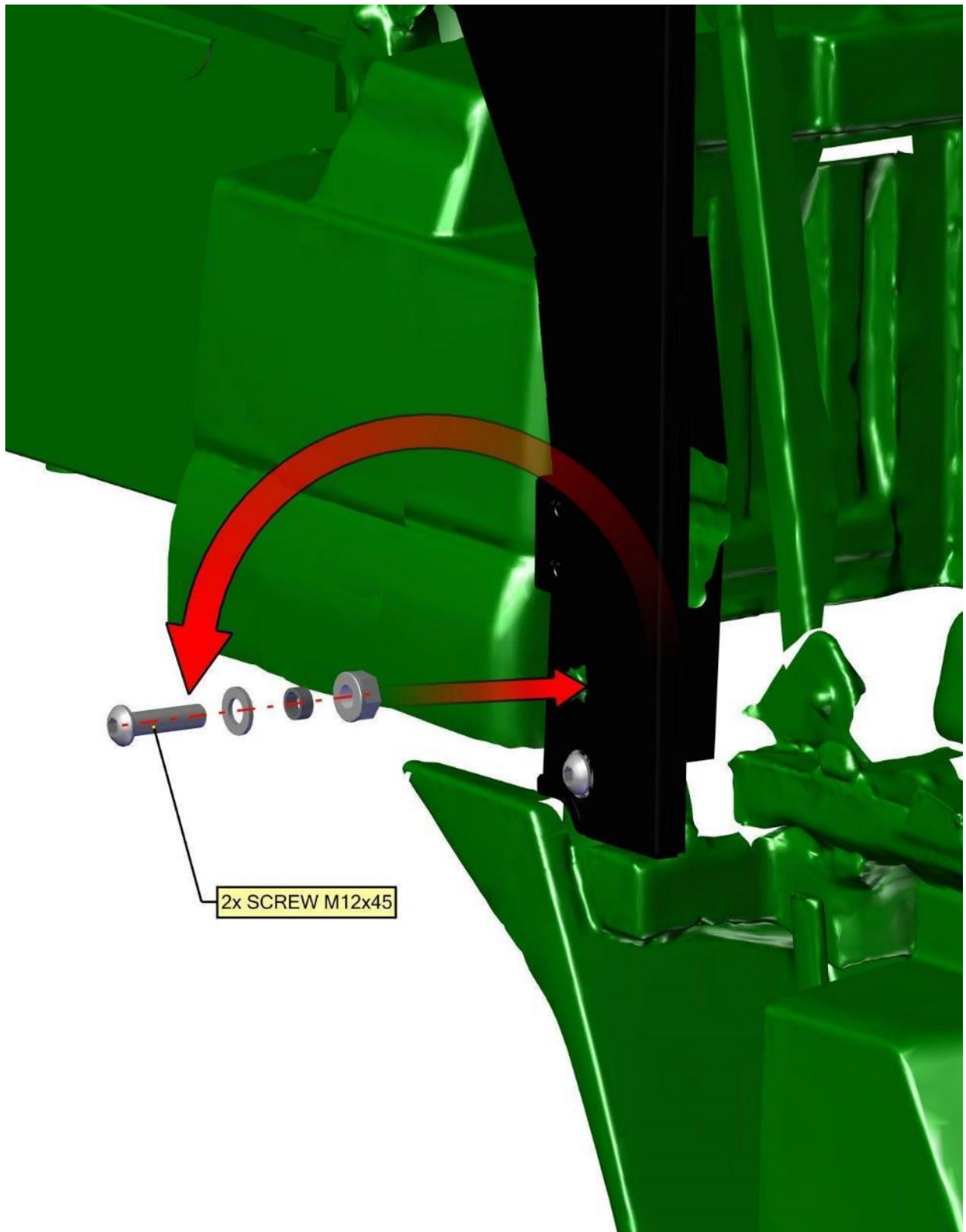
33

Place the right rear door base onto the UTV roller cage.



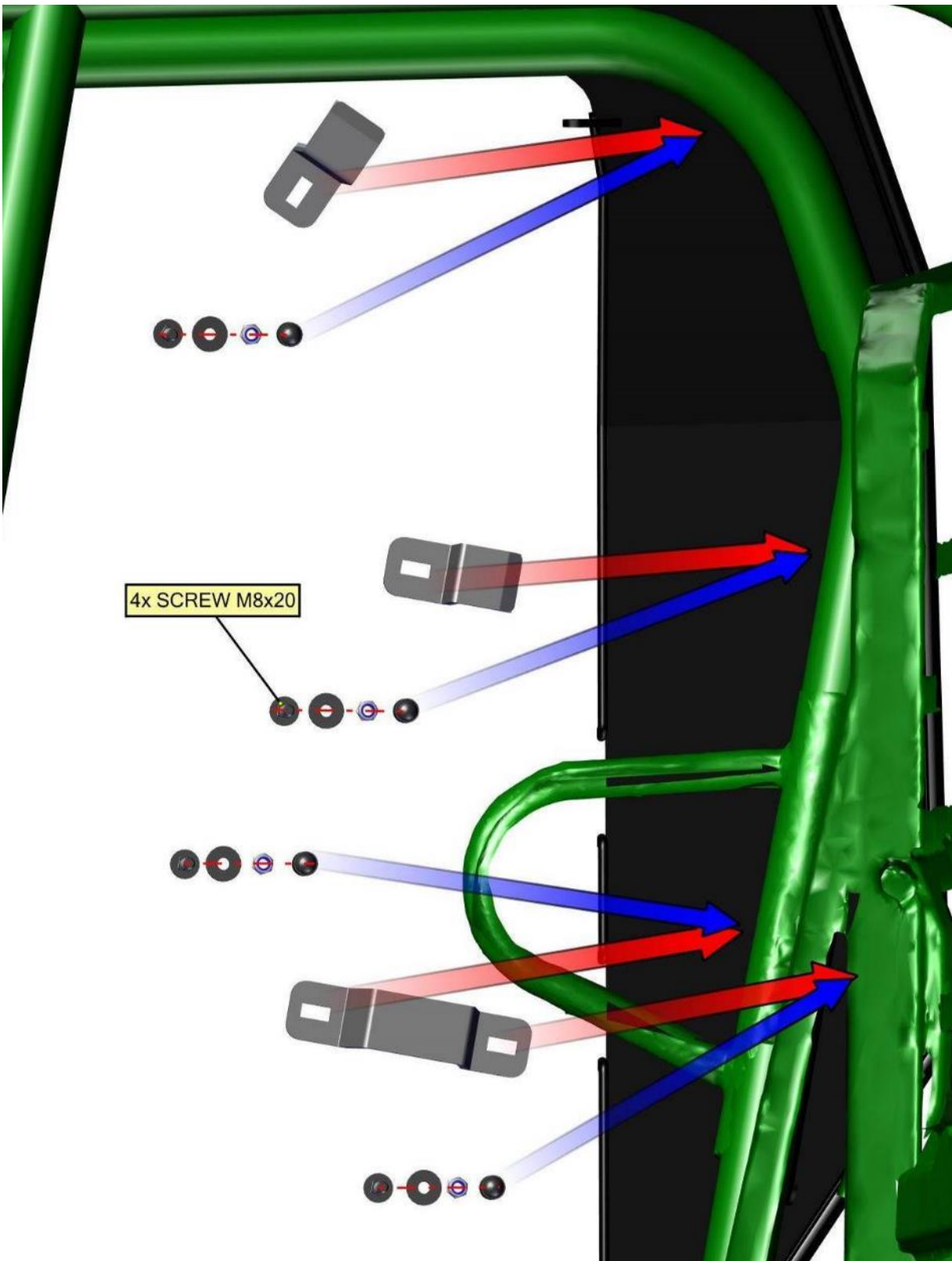
34

One by one replace the screws from the outer side and fix the right rear door base with the UTV roller cage.



35

Place the right rear door base holders onto the right rear door base and fix by included screws, washers, nuts and covers.



36

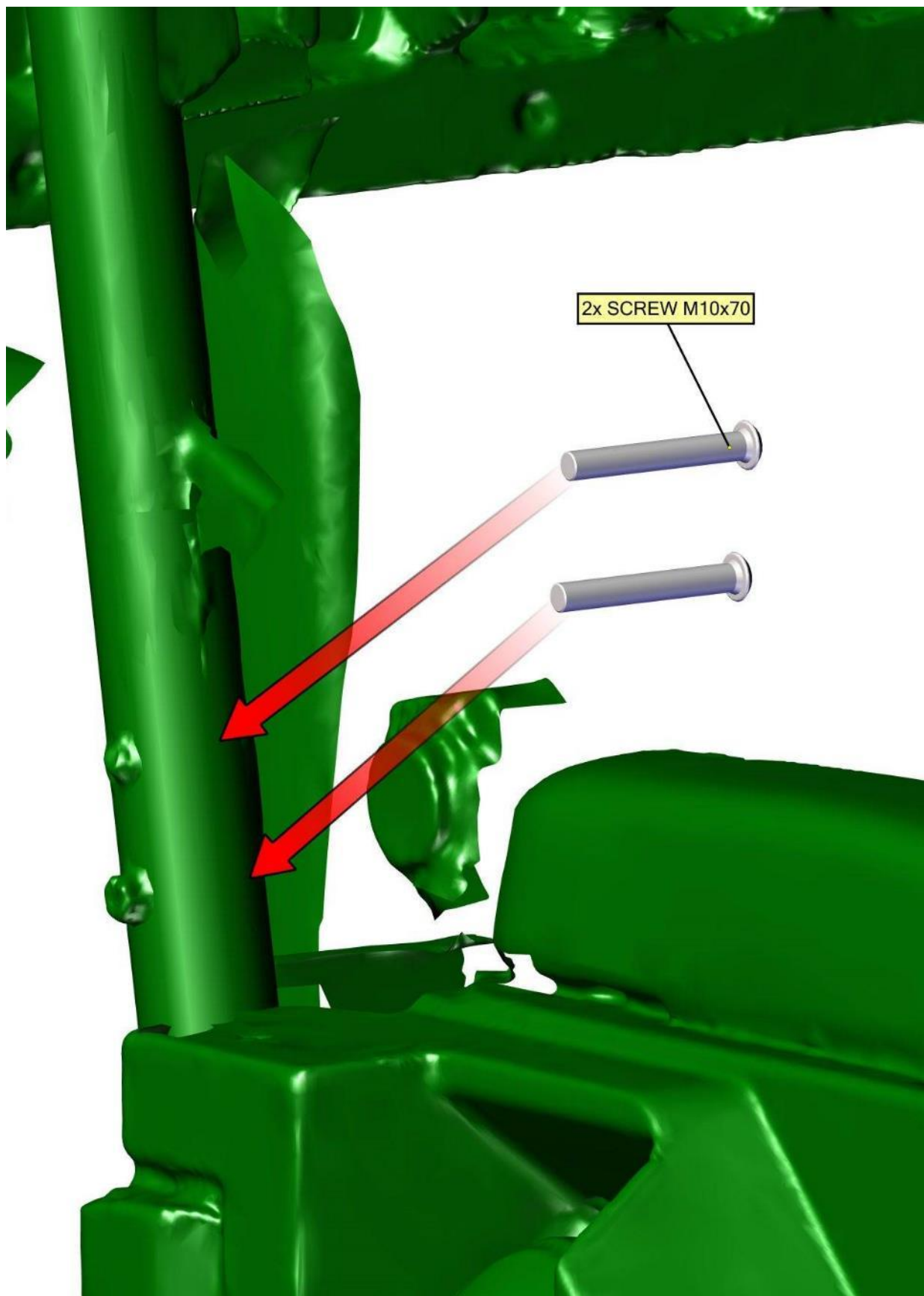
Repeat previous steps with the left rear door base.



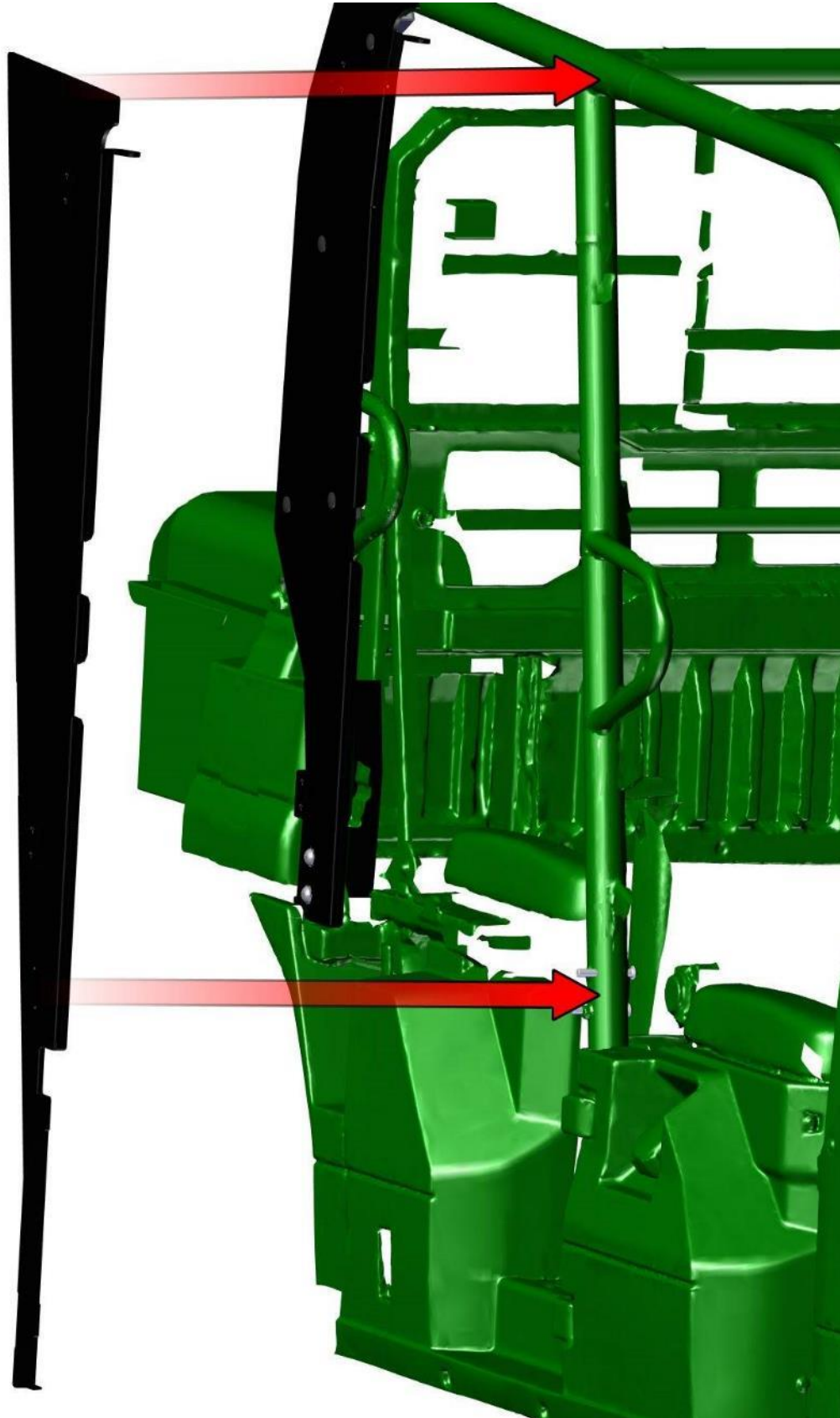
37

One by one replace original screws (red circle) by included screws from inner side (next page).



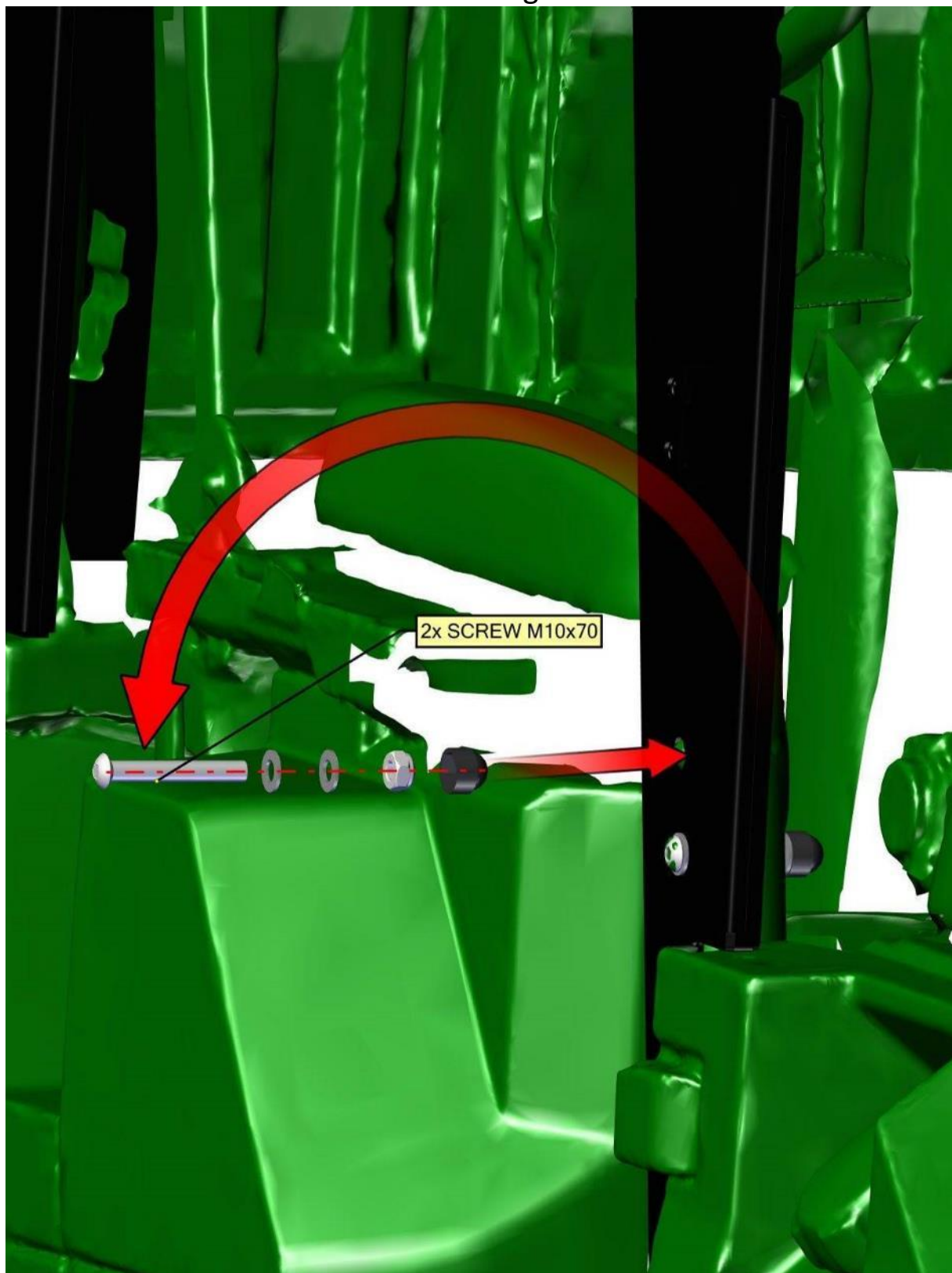


Place the right front door base onto the UTV roller cage.



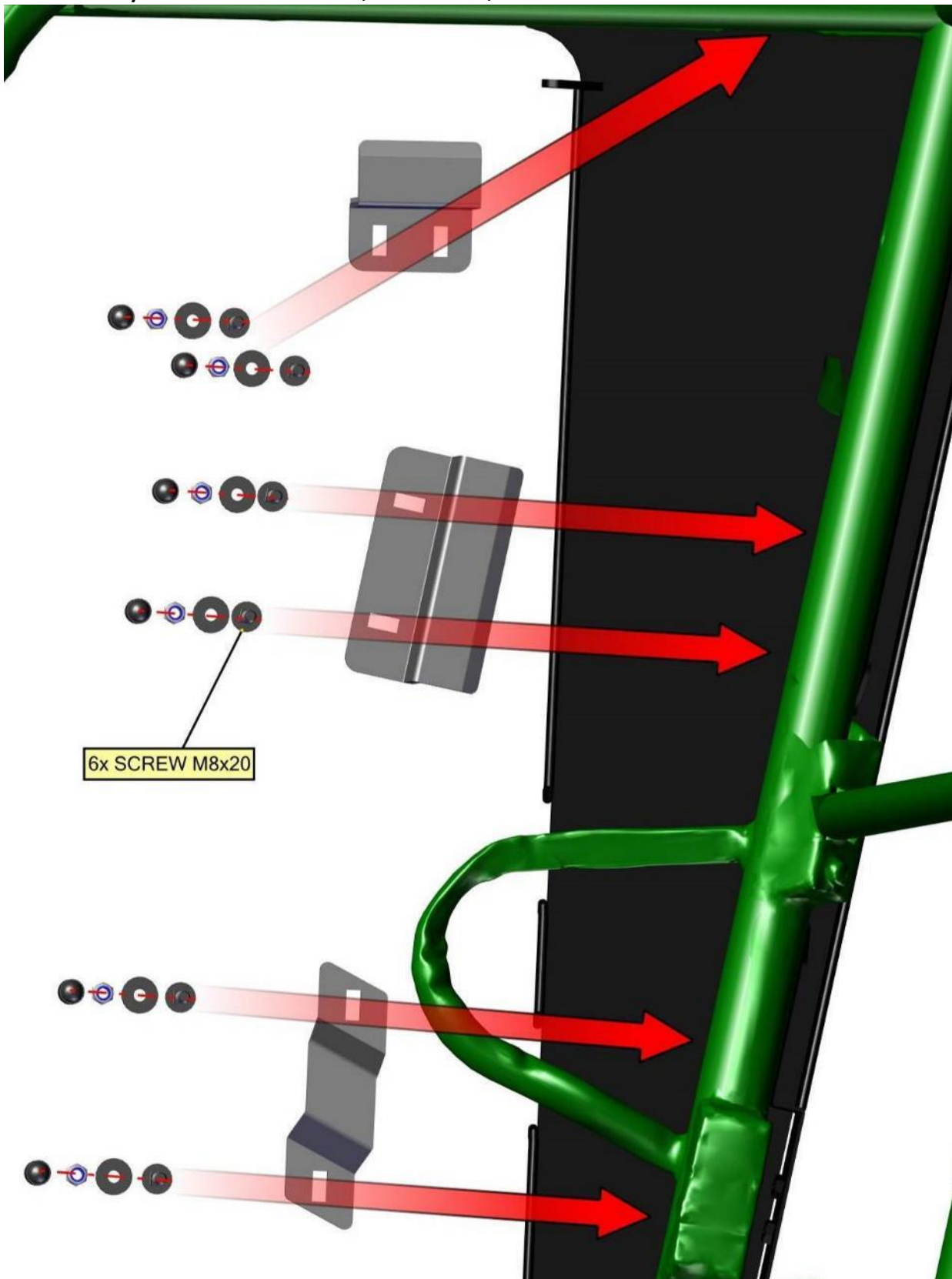
40

One by one replace the screws from the outer side and fix the right front door base with the UTV roller cage.



41

Place the right front door base holders onto the right front door base and fix by included screws, washers, nuts and covers.



42

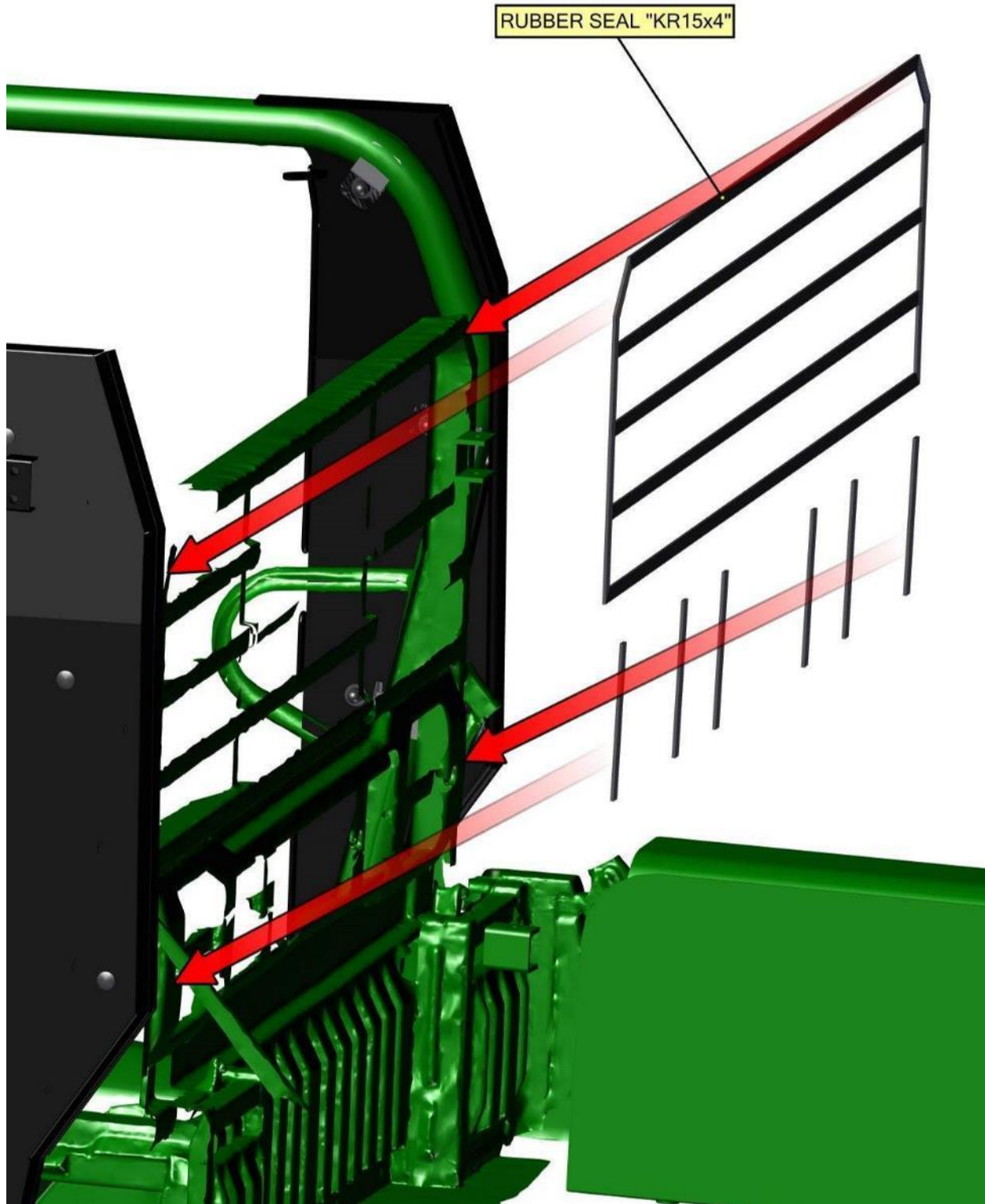
Repeat previous steps with the left front door base.



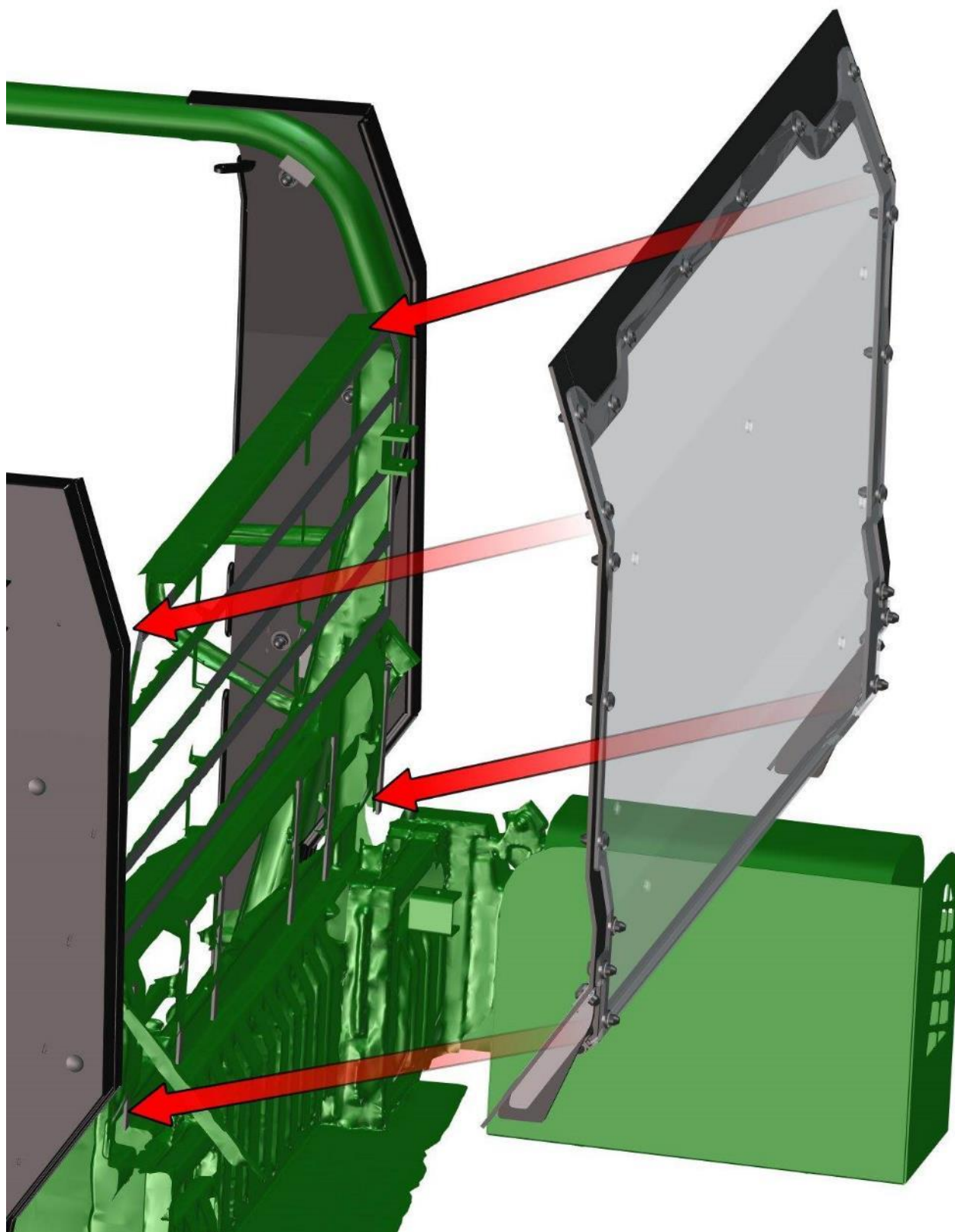
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REAR PANEL

Stick the self glued rubber seal onto the rear UTV frame. Make sure that surface of the frame is clean.

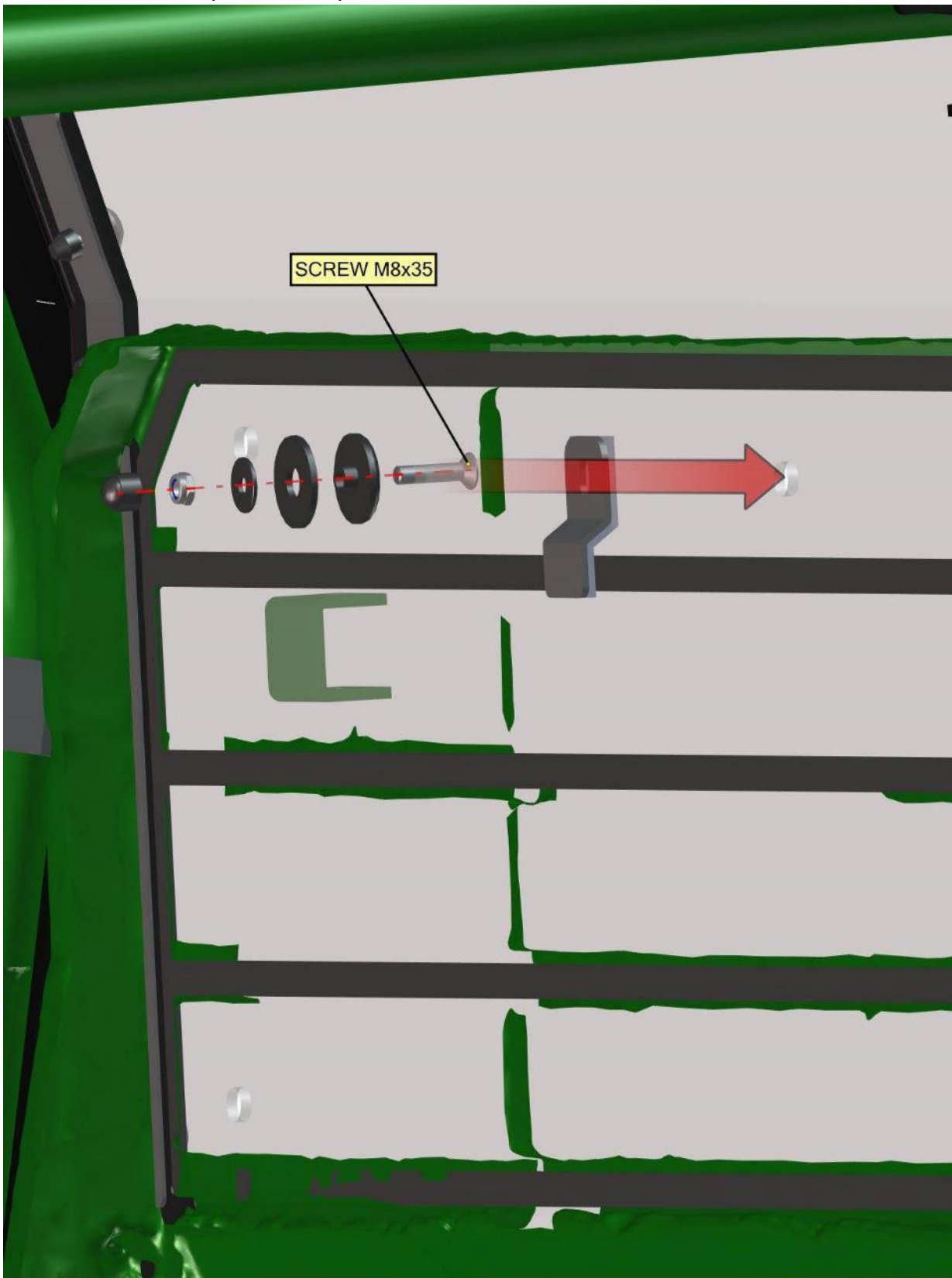


Place the rear assembly onto the the seal.



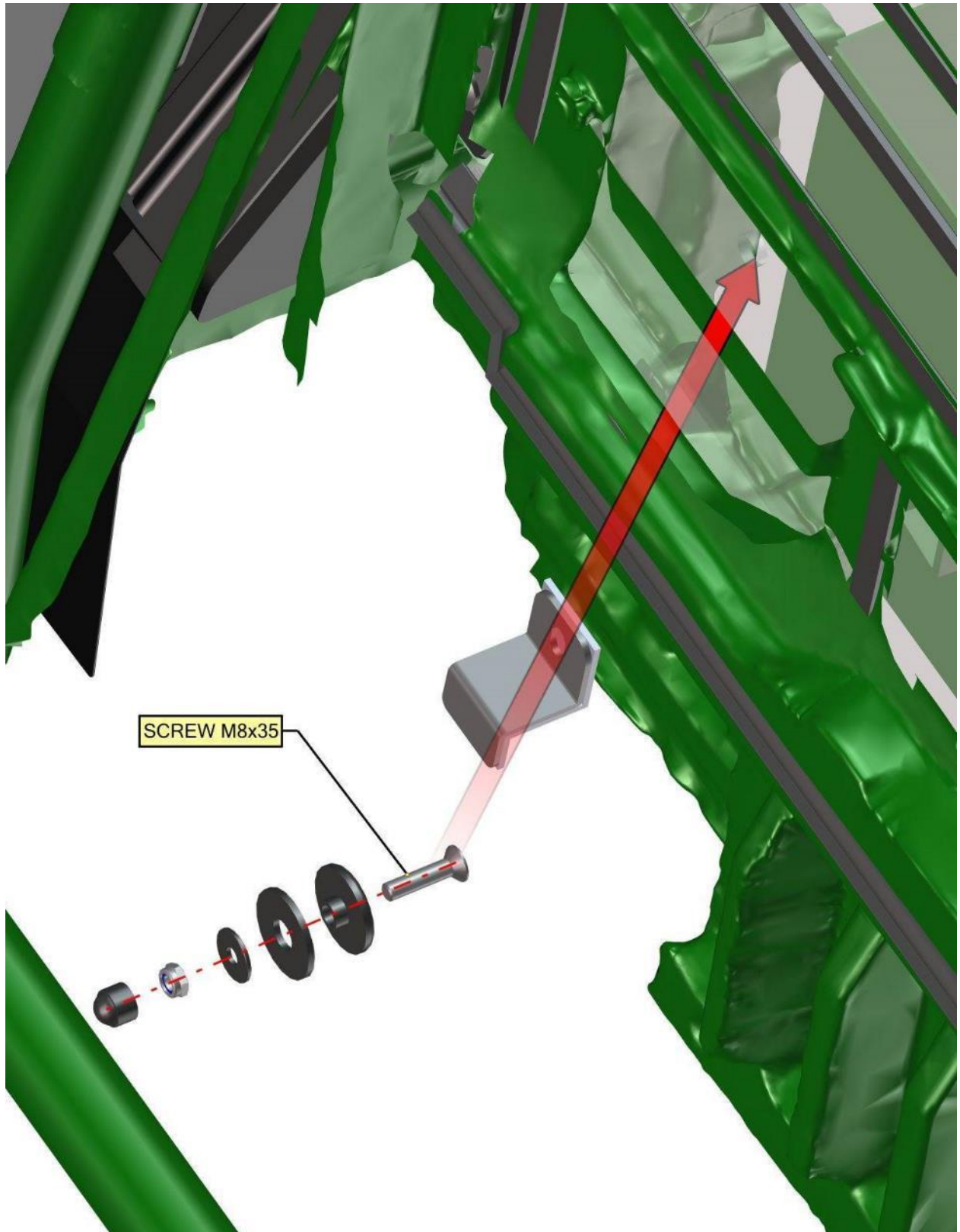
45

Place the rear upper holder onto the rear polycarbonate and fix by included screw, washers, nut and cover.

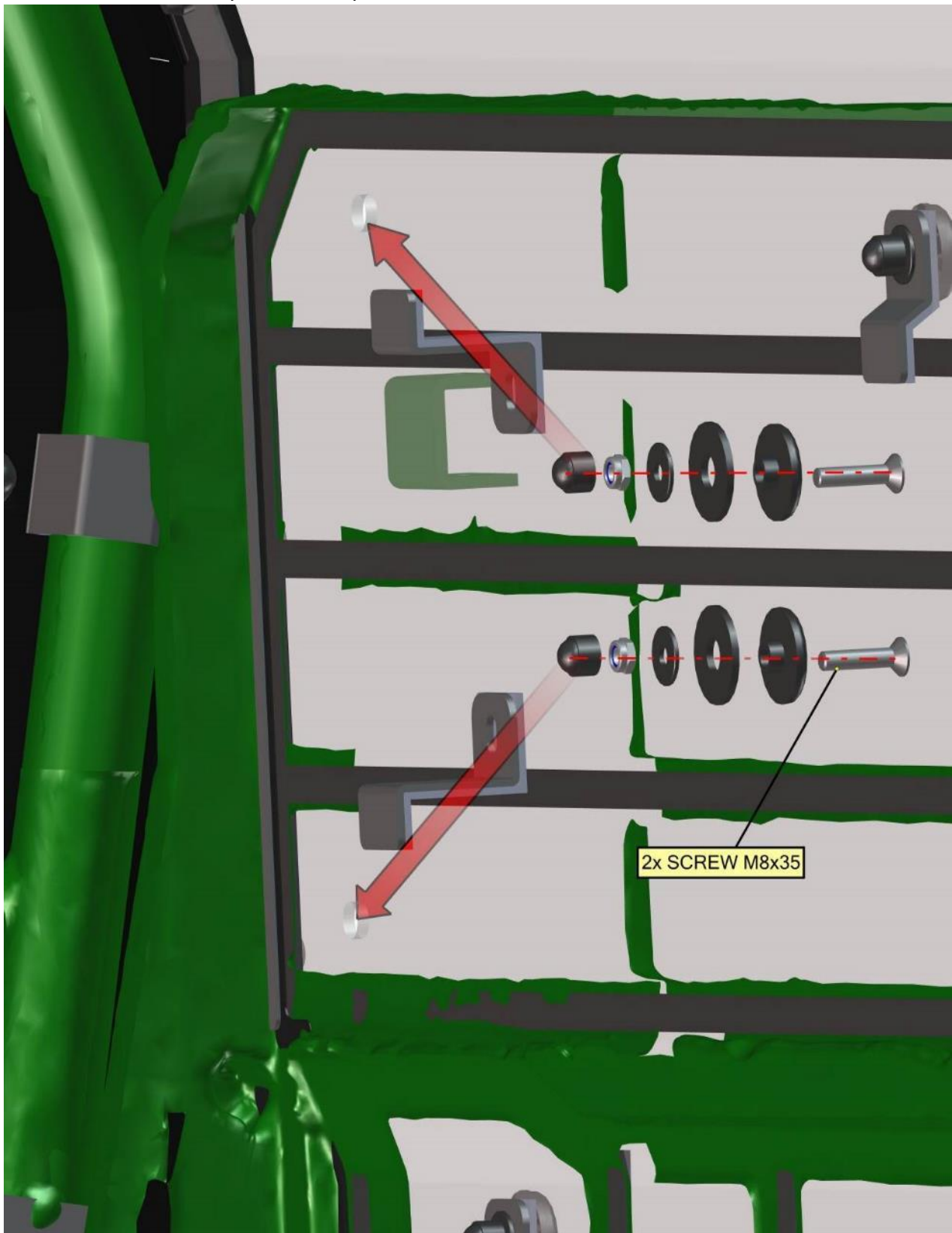


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Place the rear bottom holder onto the rear polycarbonate and fix by included screw, washers, nut and cover on both sides.



Place the rear side holders onto the rear polycarbonate and fix by included screws, washers, nuts and covers on both sides.



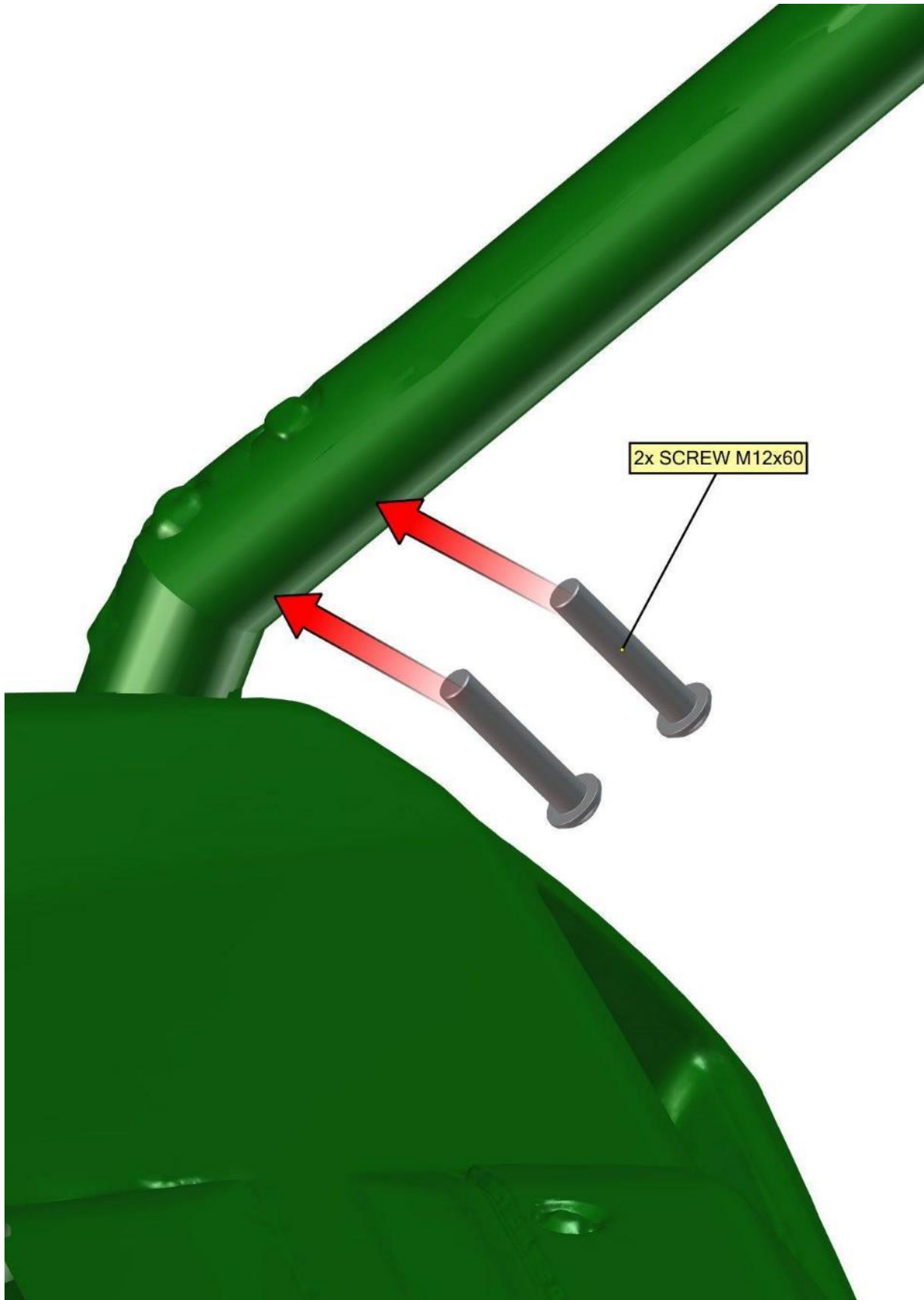
FRONT PANEL 1.

One by one replace the original screws (red circle) by included screws from inner side (next page) on both sides.

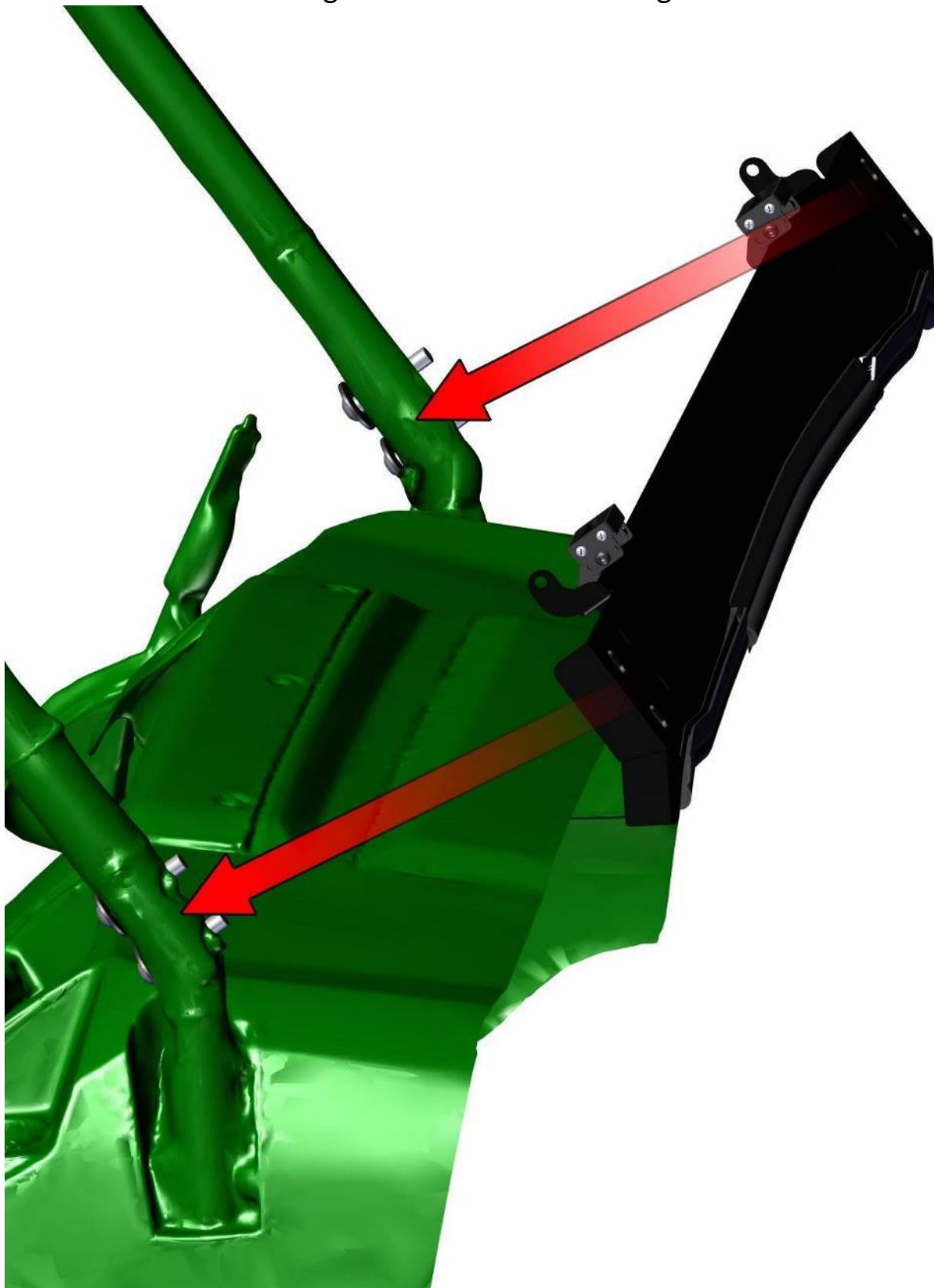


49

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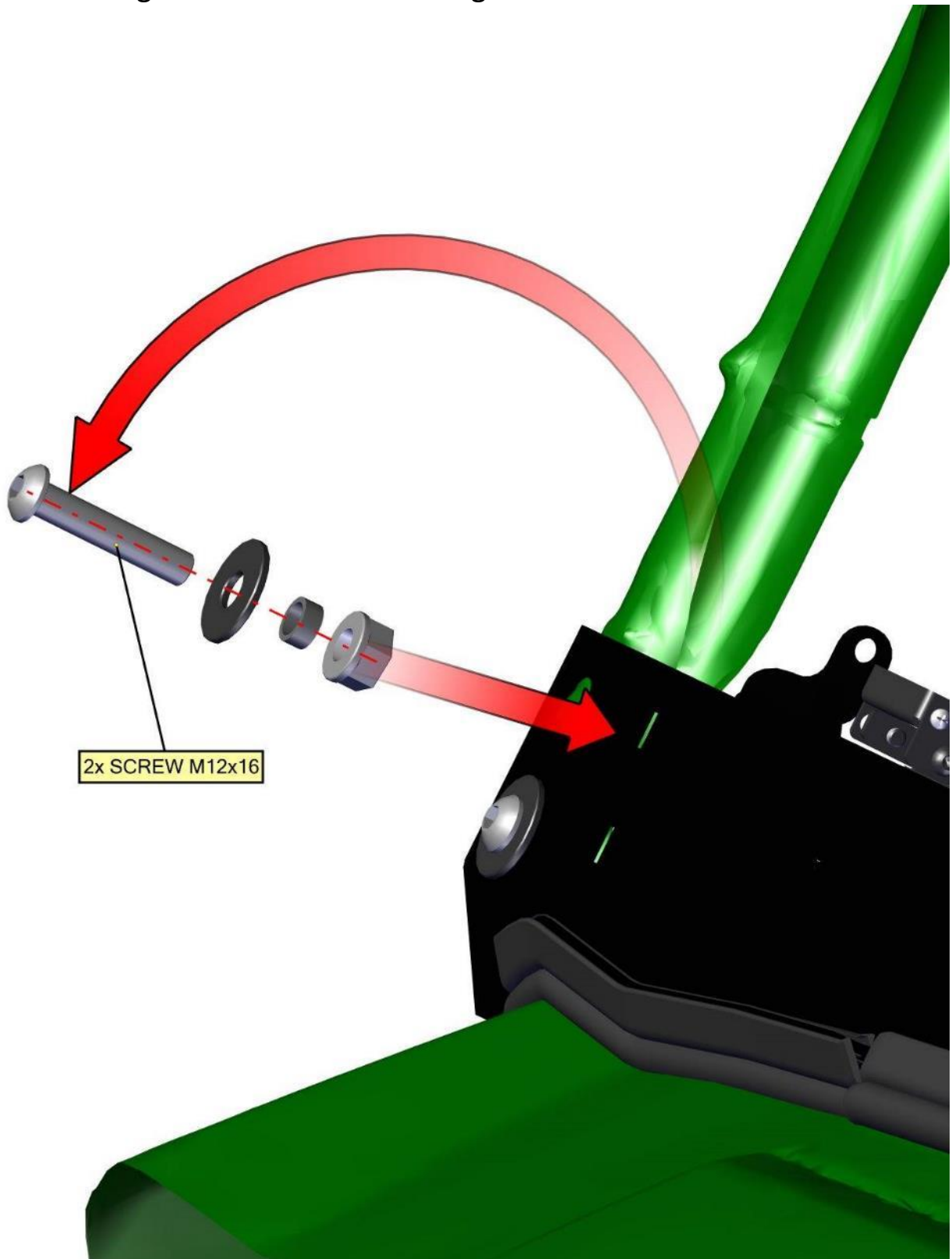


Place front bottom ledge onto the UTV roller cage.



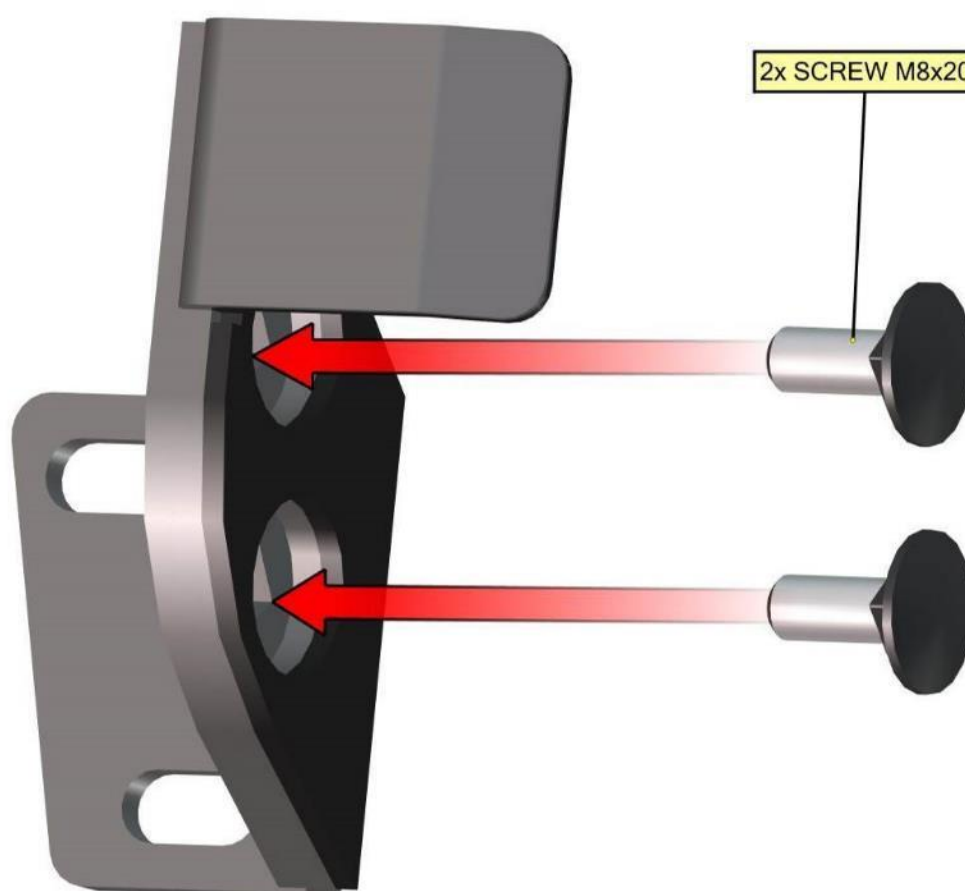
51

One by one replace the screws from the outer side and fix the front bottom ledge with the UTV roller cage on both sides.

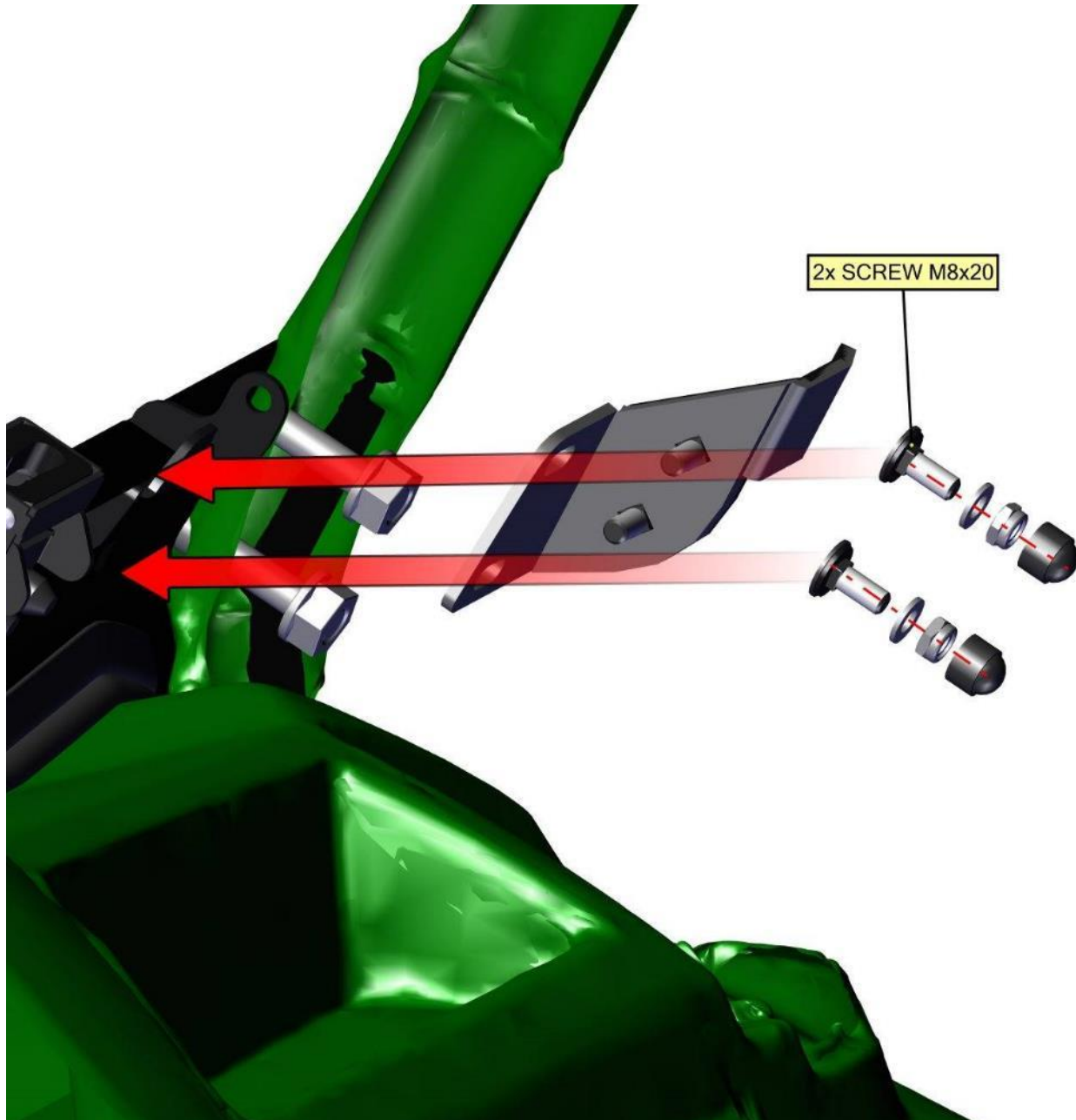


52

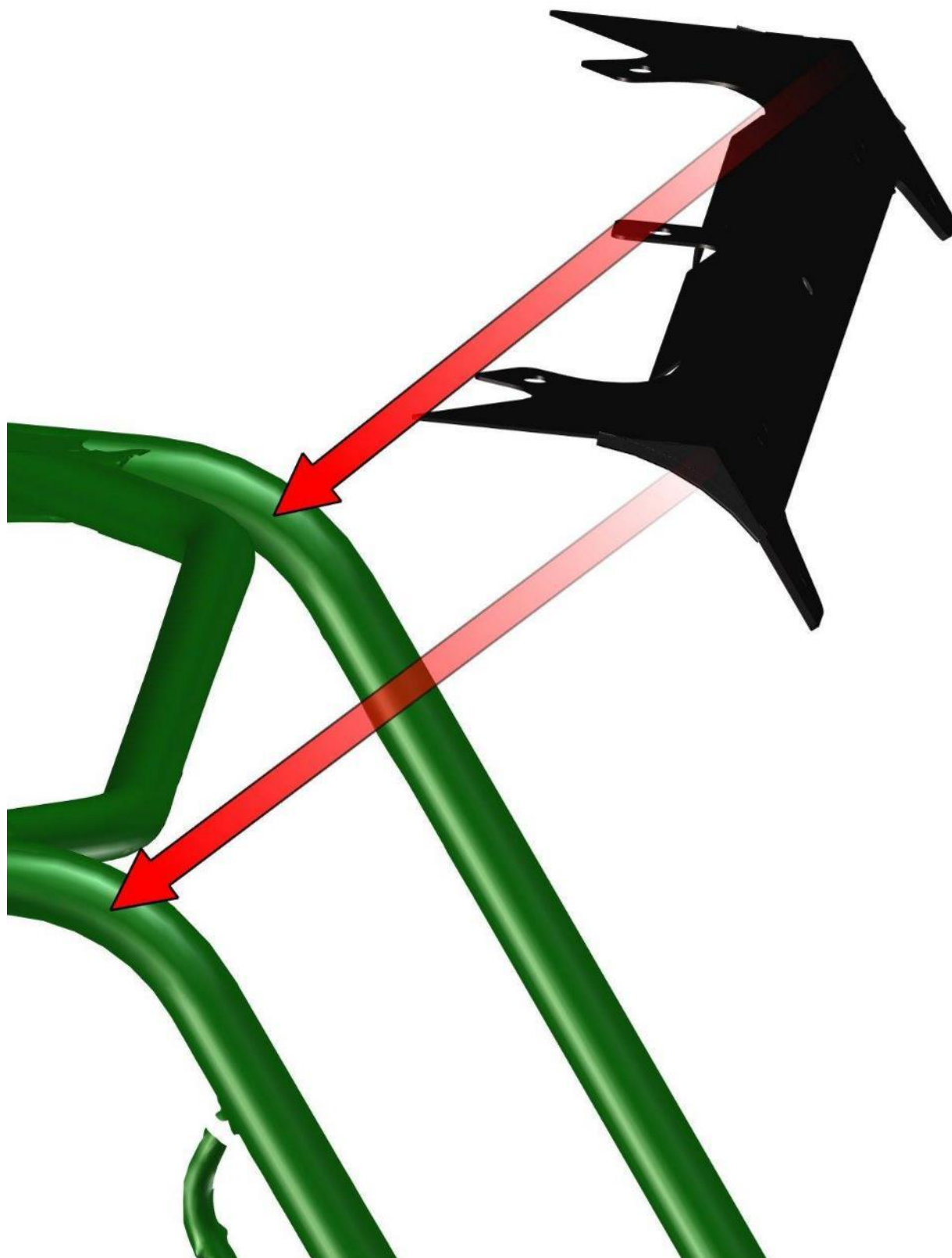
Insert the included front door stop holder screws into the front bottom ledge holder holes.



Place the front bottom ledge holder with the screws onto the front bottom ledge and fix by included screws, washers, nuts and covers on both sides.

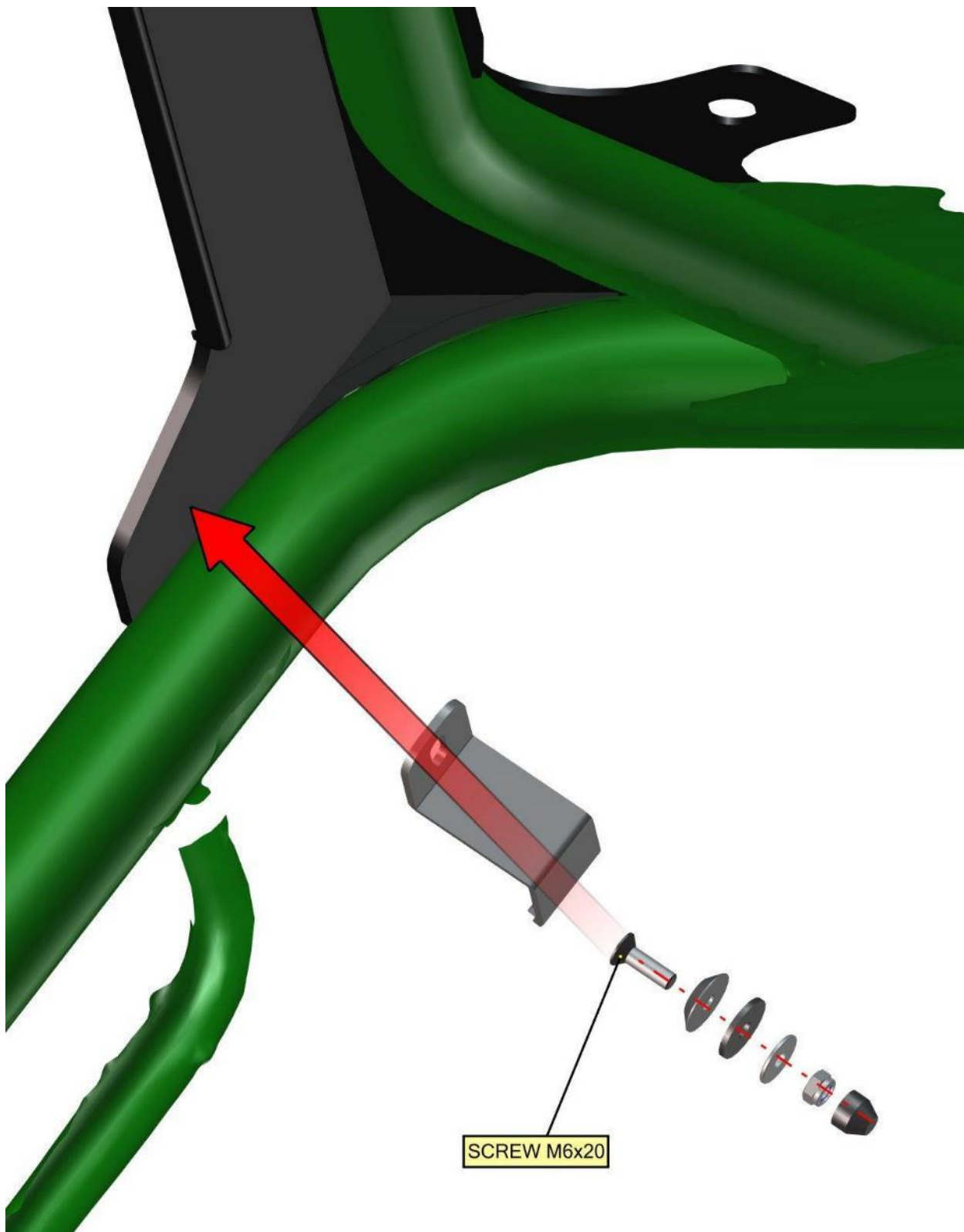


Place the front upper ledge onto the UTV roller cage.



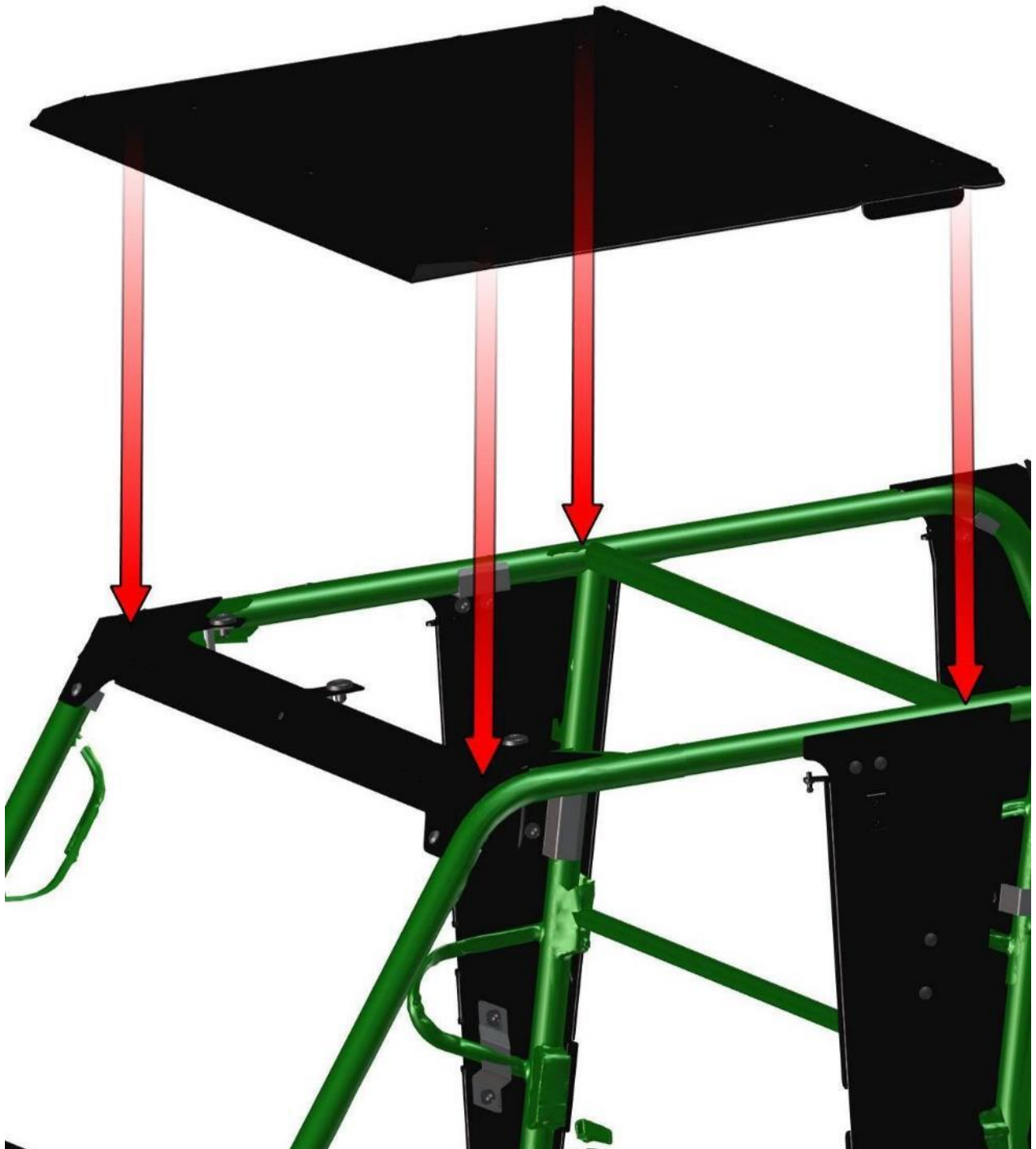
55

Place the front upper ledge side holder onto the front upper ledge and fix by included screw, washer, nut and cover on both sides.



ROOF

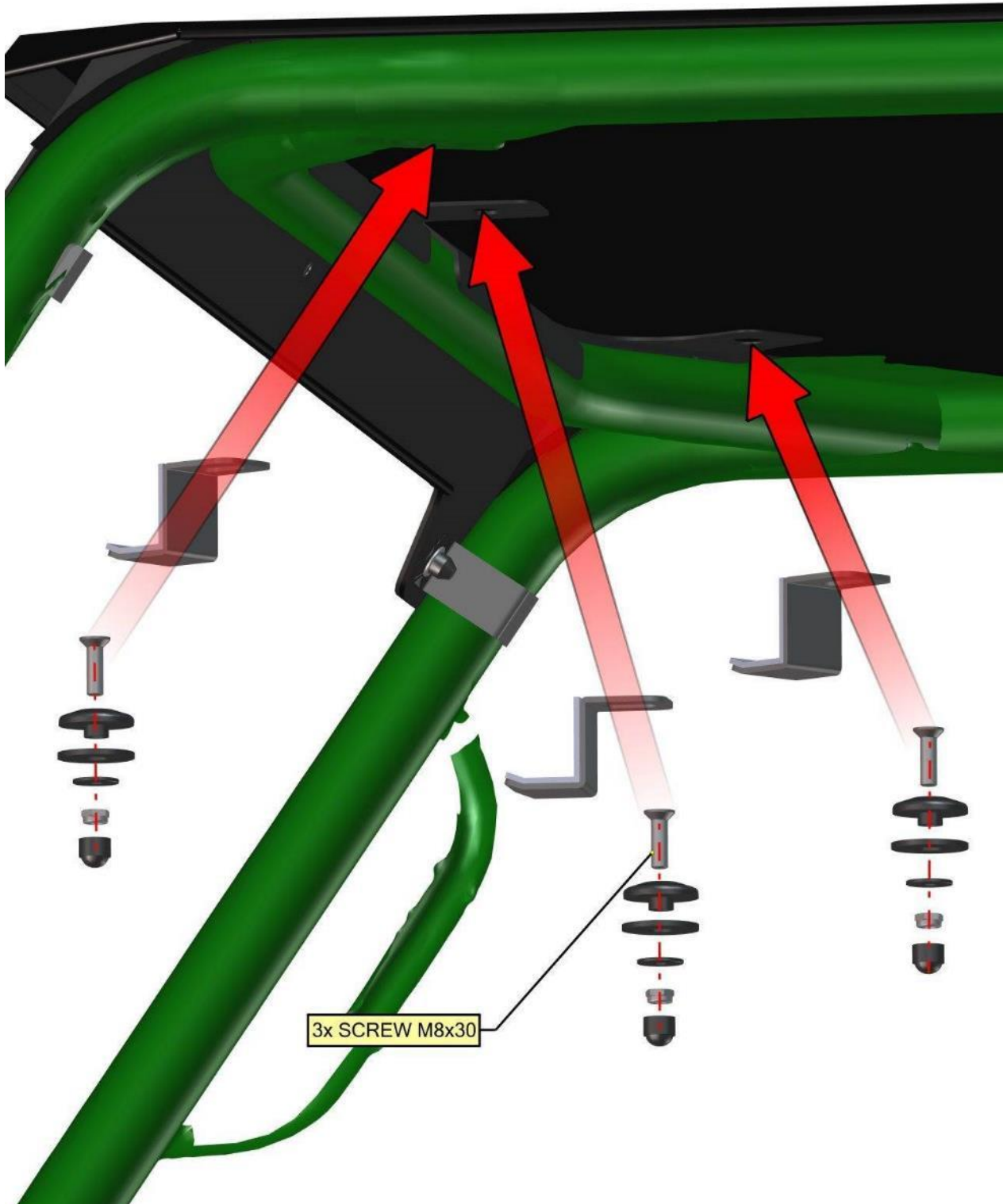
Place the front roof panel onto the UTV roller cage. Take extra care if you have model with A/C pre-installed on the front roof panel.



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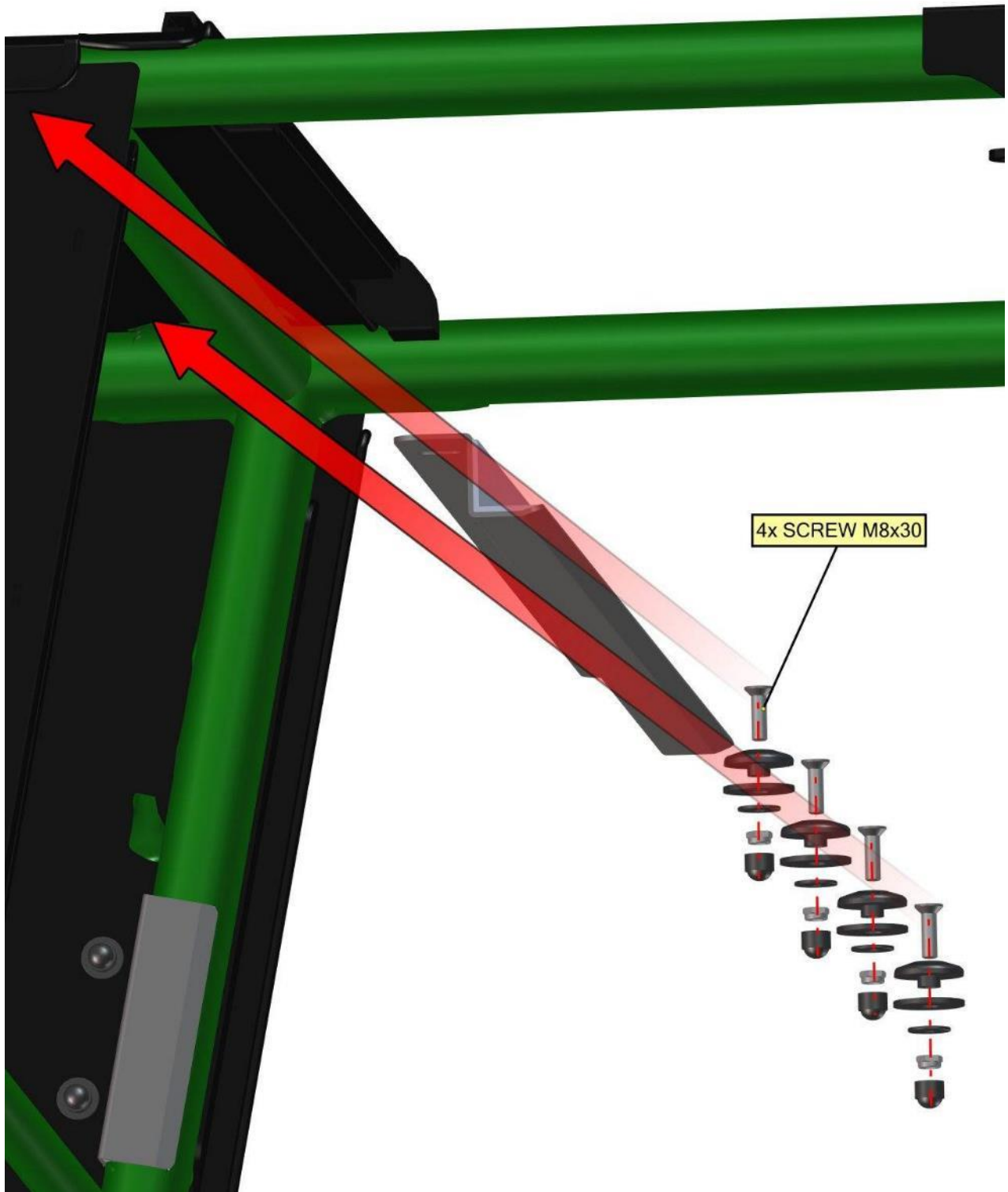
Place the front upper ledge/roof holders onto the front upper ledge and fix by included screws, washers, nuts and covers.

58



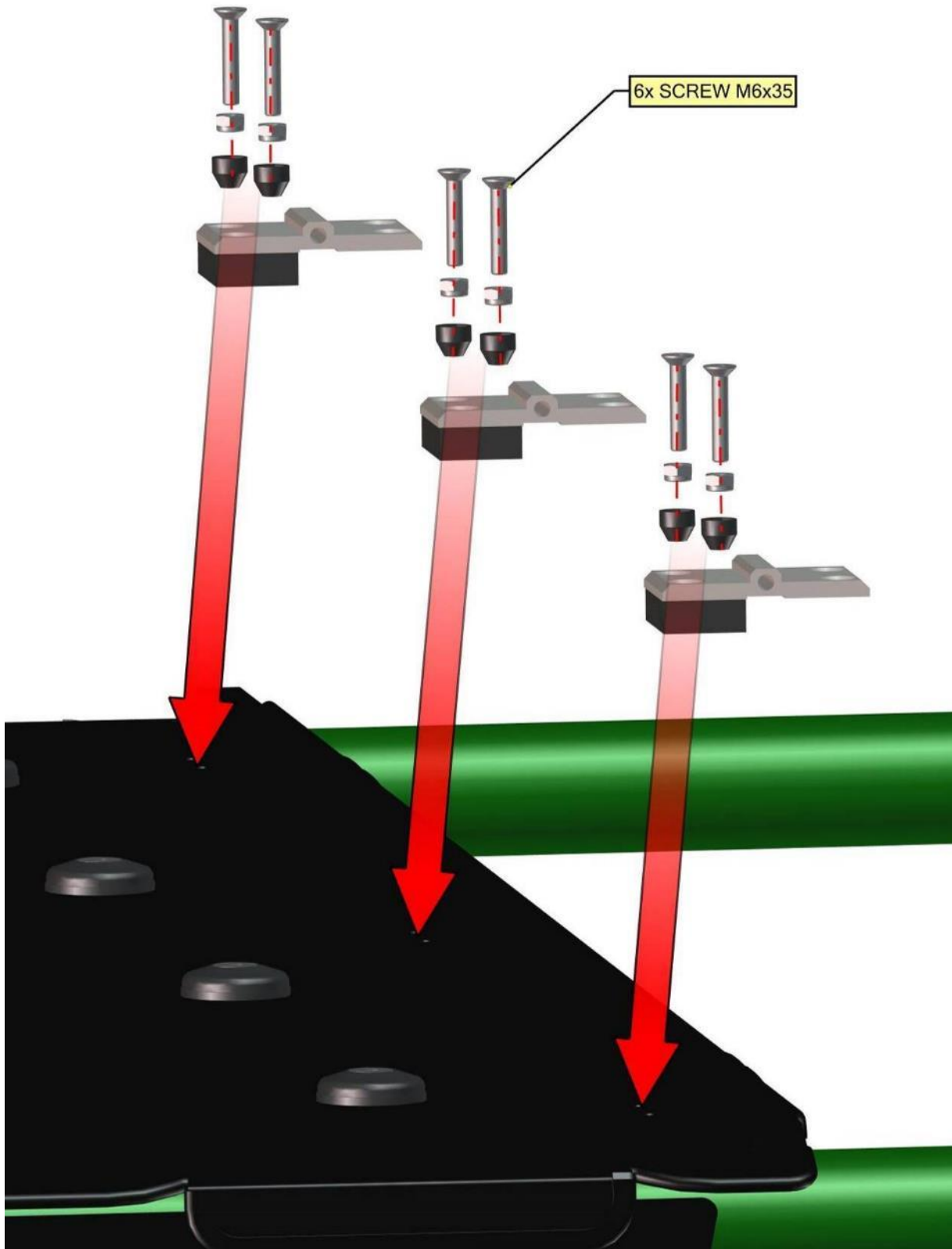
3x SCREW M8x30

Place the front roof holder ledge onto the front roof panel and fix by included screws, washers, nuts and covers.

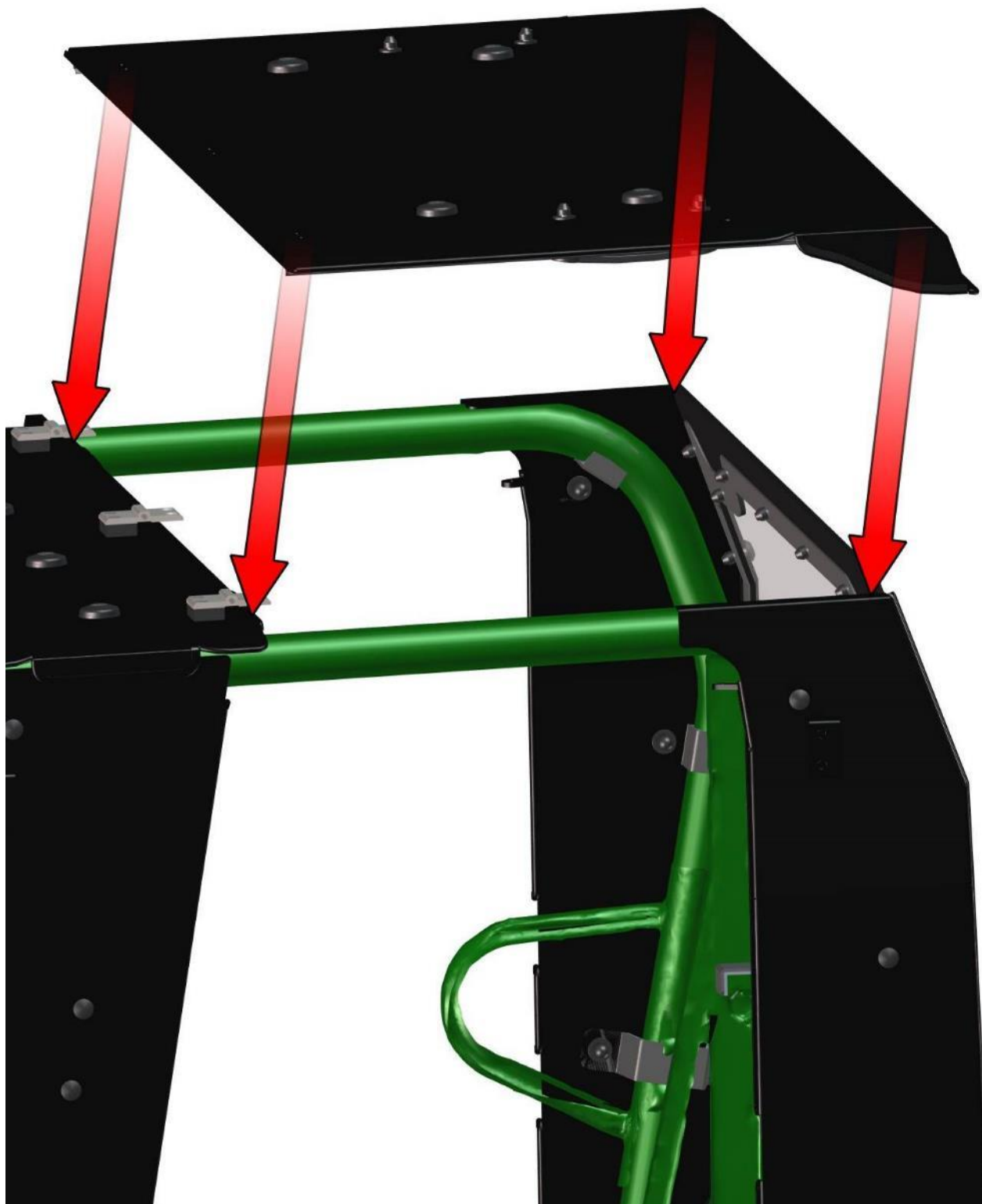


Place the roof hinges onto the front roof panel and fix by included screws, nuts and covers.

60



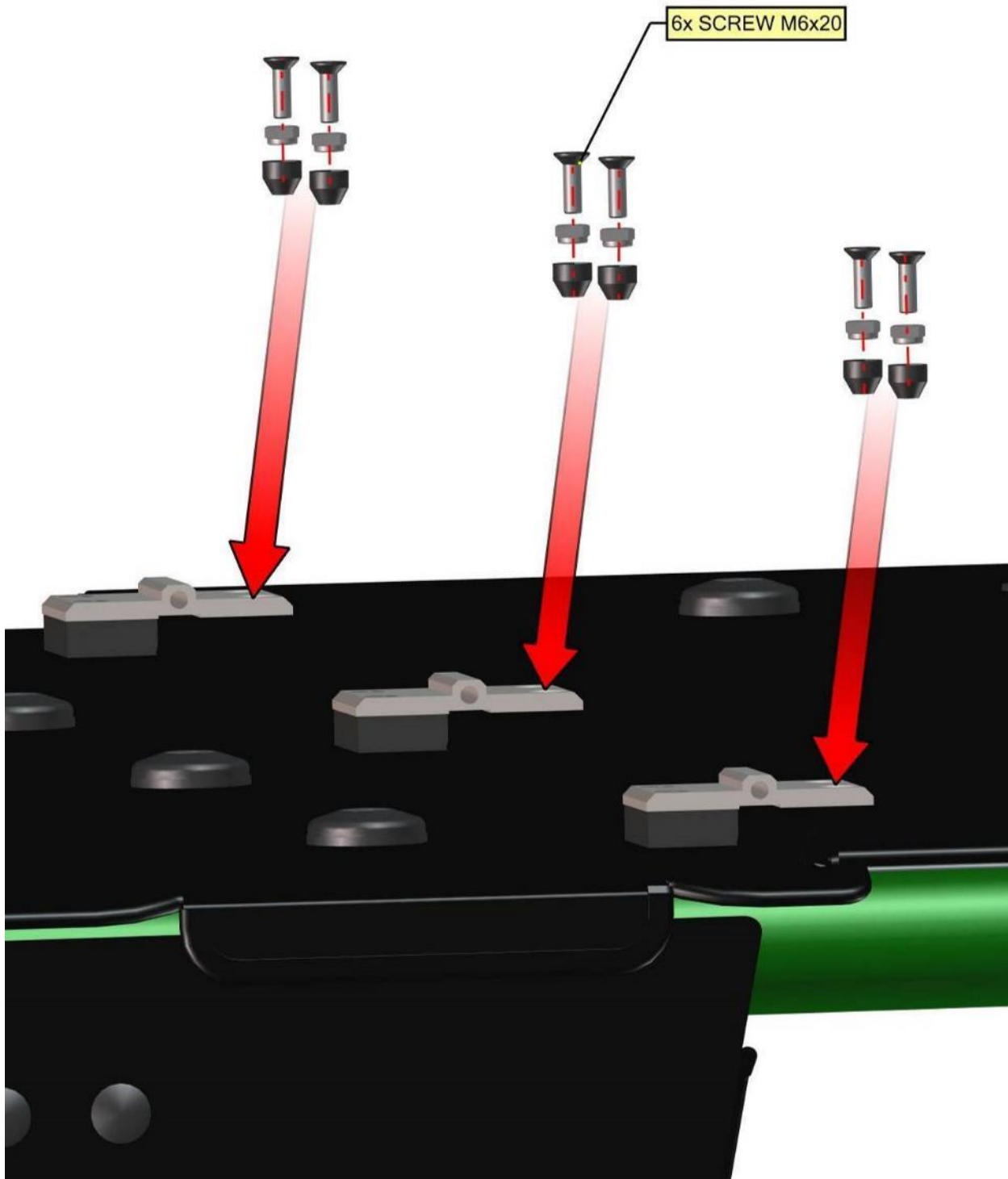
Place the rear roof panel onto the UTV roller cage.



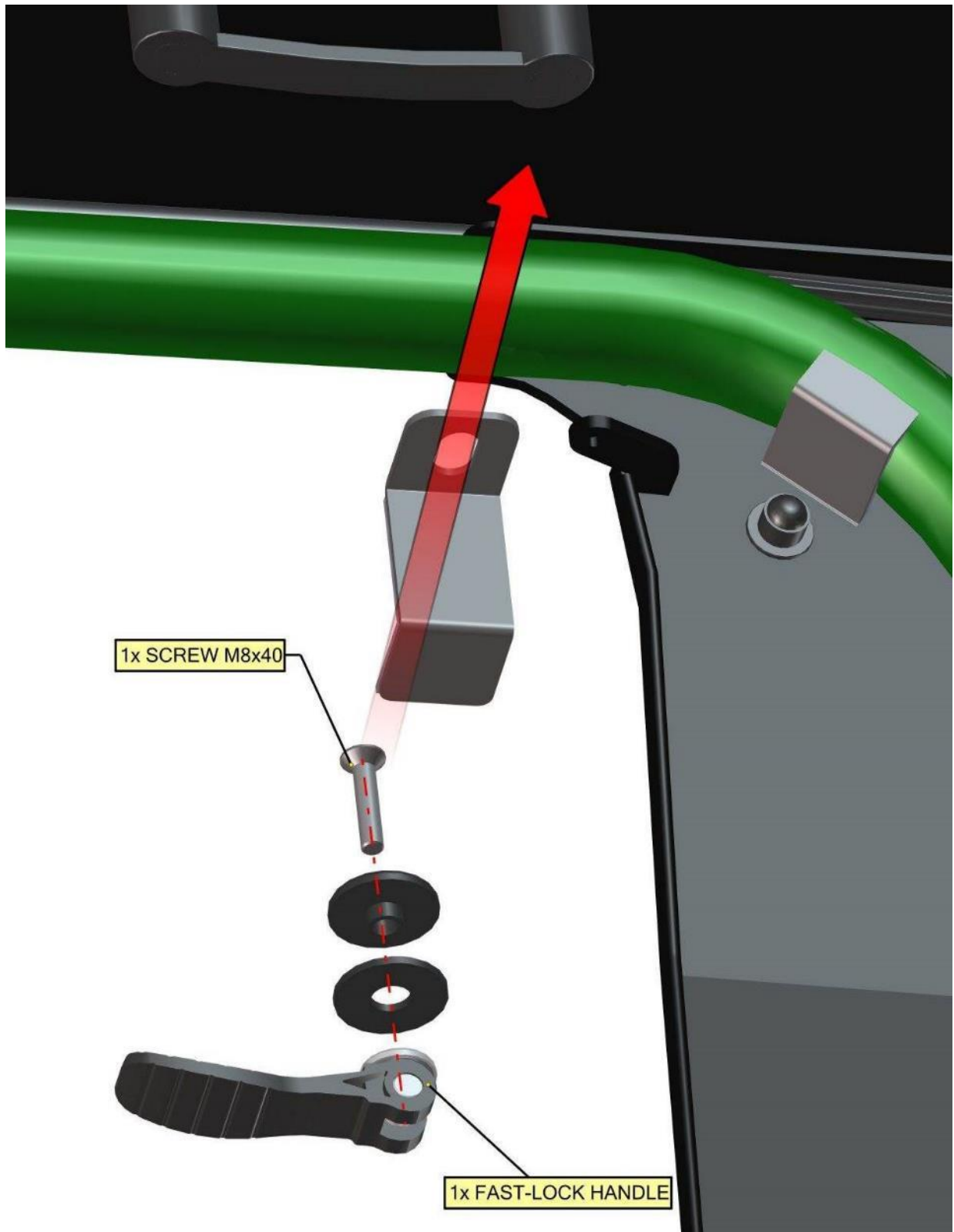
61

Adjust the rear roof panel into best position and fix the roof hinges with the rear roof panel by included screws, nuts and covers.

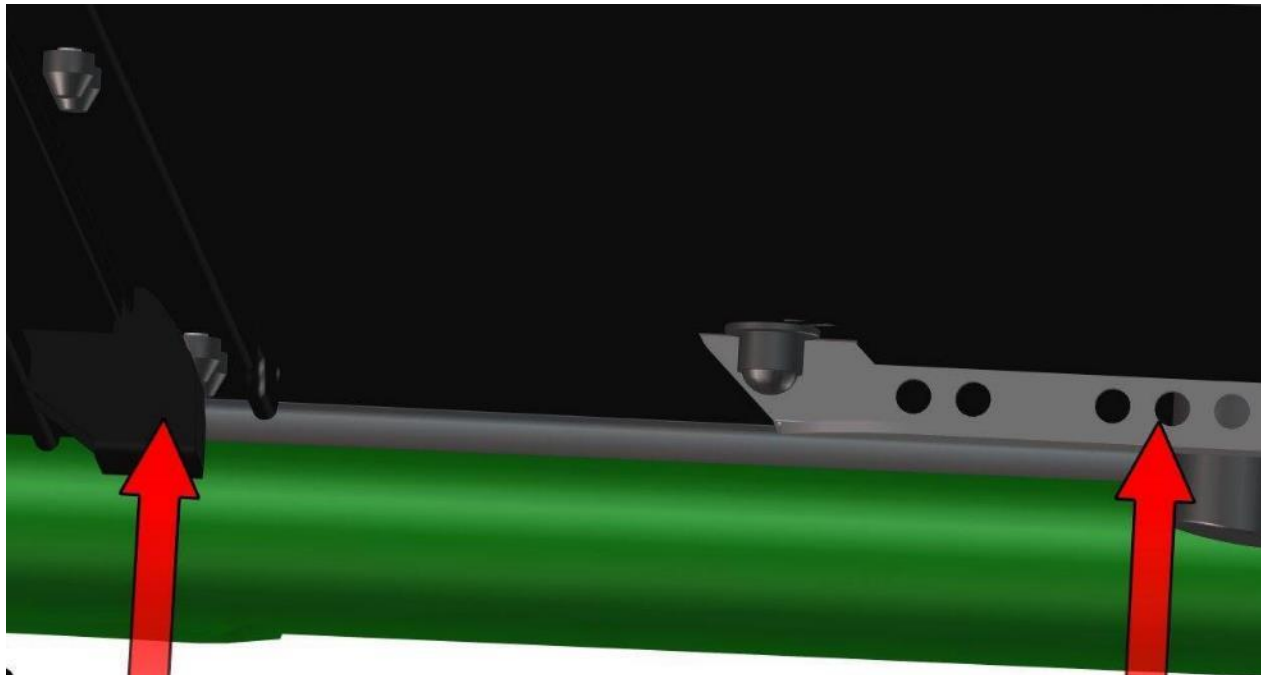
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Place the rear roof holder onto the rear roof panel and fix by included screw, washer, nut and cover.



Install the roof gas spring into the roof gas spring holders and fix by included nut, washers, and cover.



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1x SELF-LOCKING NUT M8

ELECTROINSTALLATION – WIPER SET

View onto the wiper motor with the cover and with the wiper motor plate. Install the distance washers onto wiper motor pins.



Place the washer onto the wiper longer pin.



Place the washer onto shorter wiper pin.



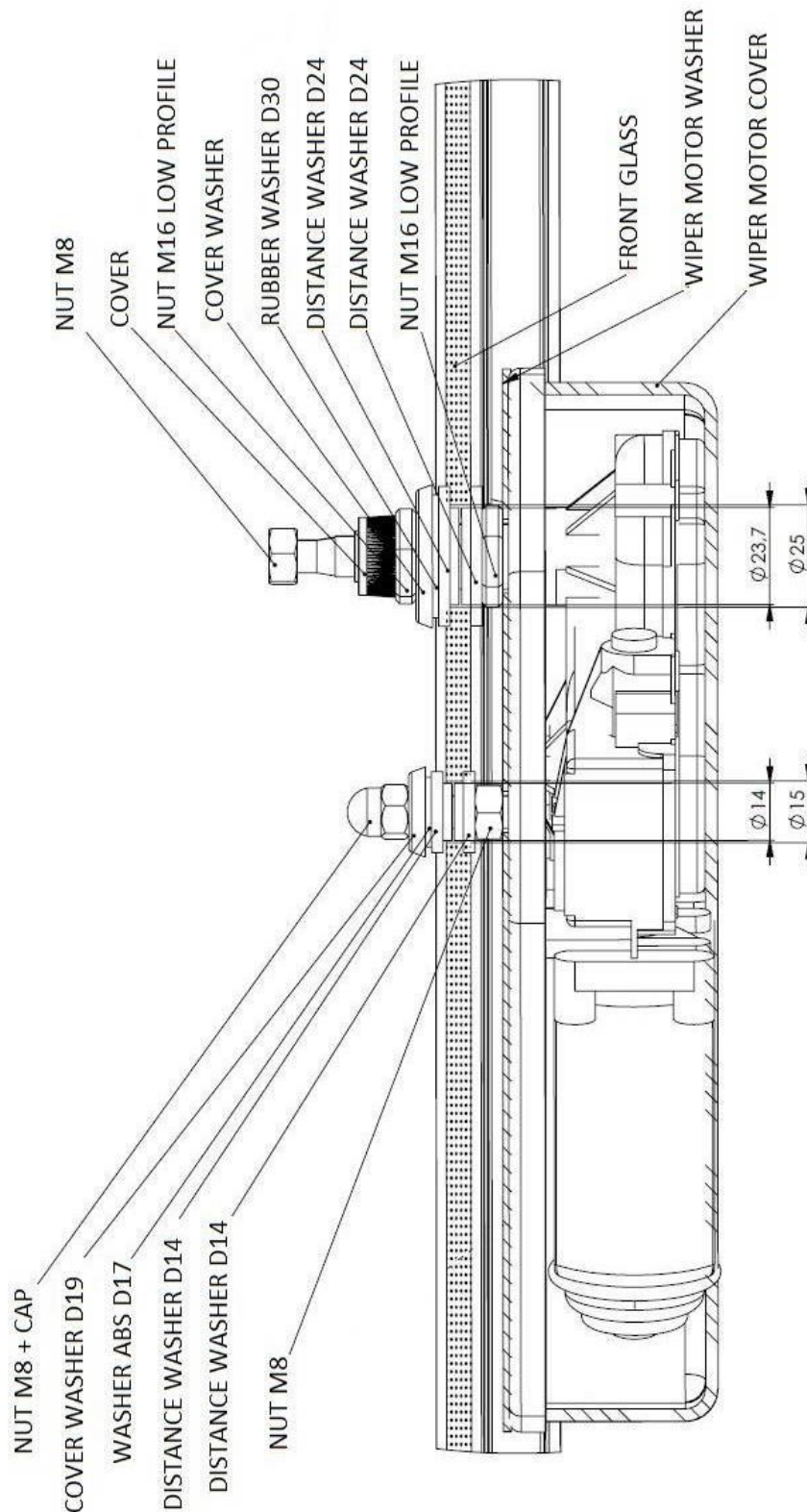
Mount the washers onto the wiper motor pins in this order.



View onto installed washers.

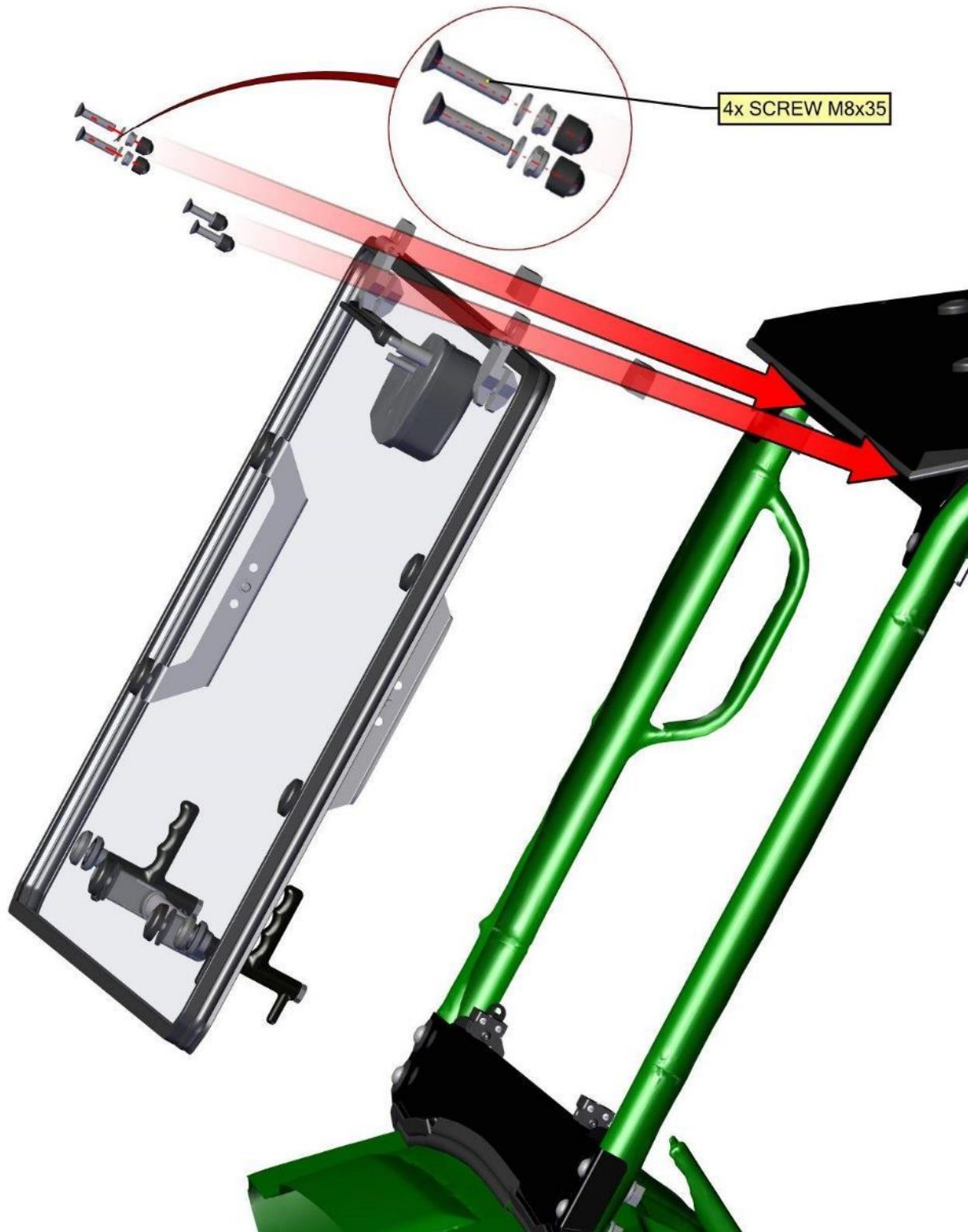
Place the wiper assembly onto the front glass from inner side.
 Fix the wiper motor with the front glass by included washers and nuts. Tighten the fixing assemblies correctly.

SCHEME OF THE WIPER MOTOR FIXING ASSEMBLY



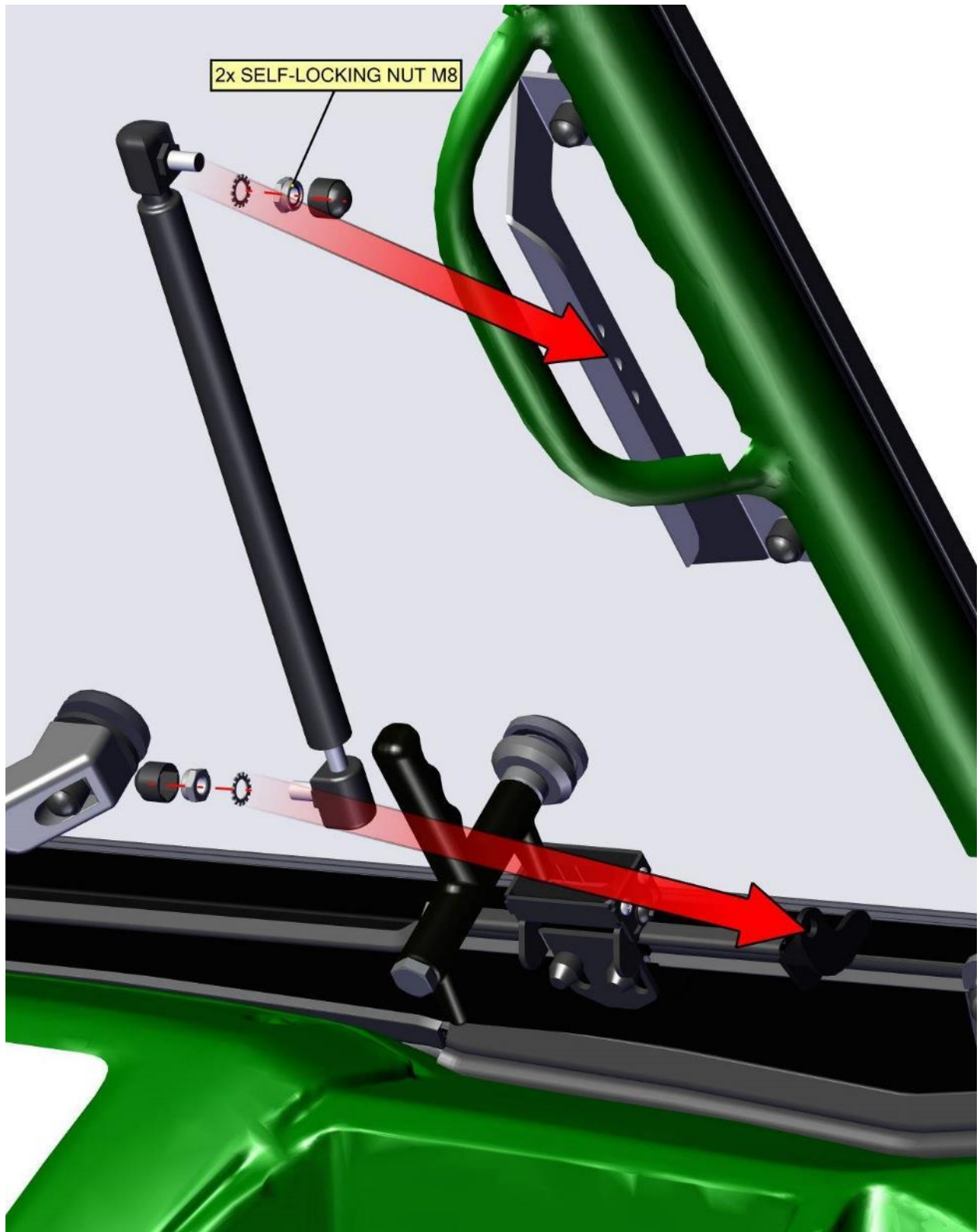
FRONT PANEL 2

Place the front glass assembly onto the front upper ledge by hinges and fix by included screws, washers, nuts and covers.



68

Instal the front gas spring into the front gas spring holders and fix by included nuts, wahers and covers.



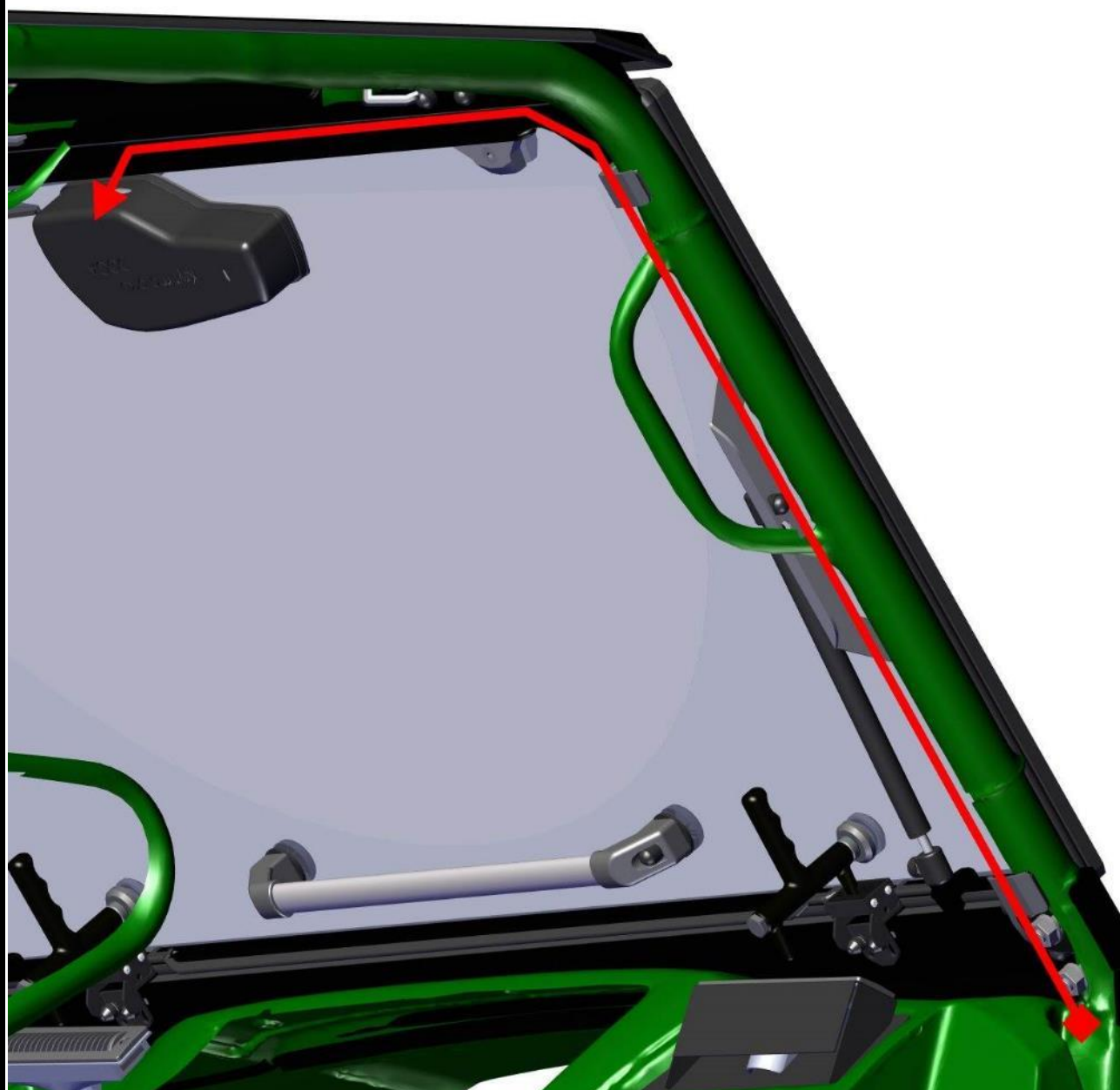
69

Adjust the front glass stop assembly into the best position and tighten screws correctly on both sides.



ELECTROINSTALLATION 2.**WIPER/WASHER 2.**

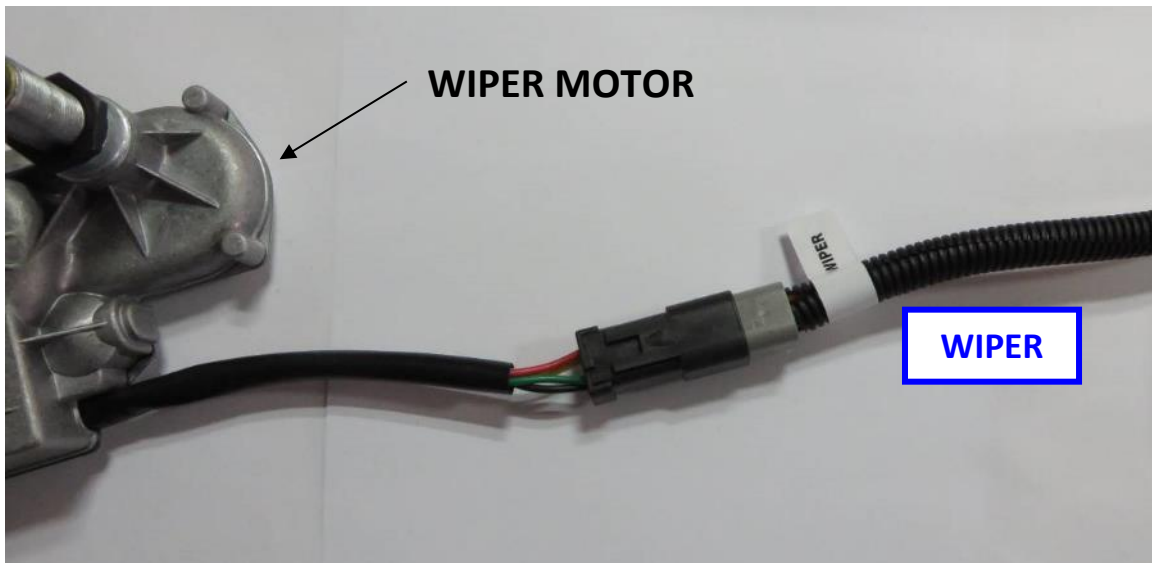
Route the wiper harness with the washer tube to the wiper motor.



71

SEE NEXT PAGES

Connect the wiper harness branch to the wiper motor.



Route the washer tube through front upper ledge using pre-installed hose pass.



Connect the washer tube to the washer jet.

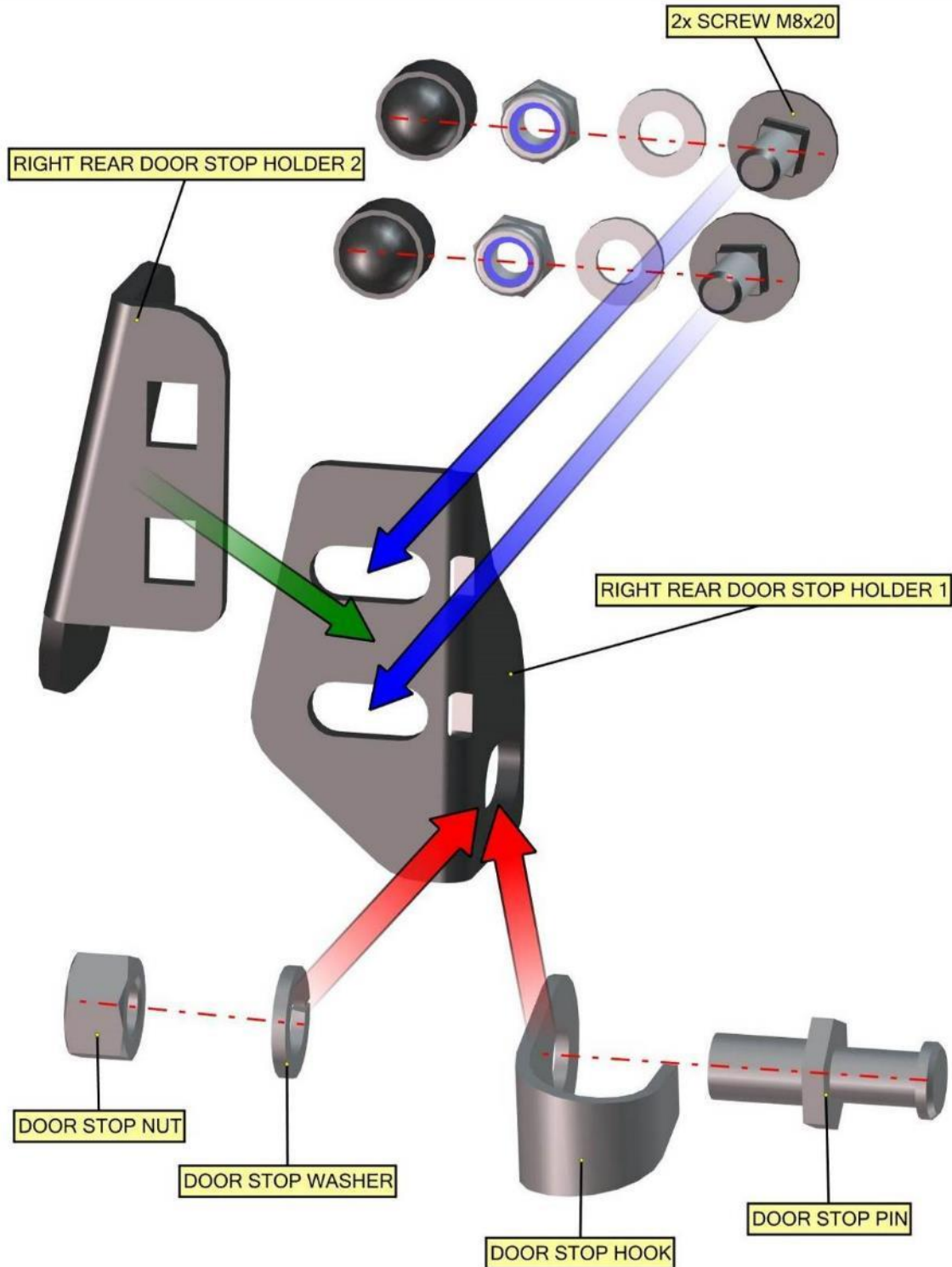


73

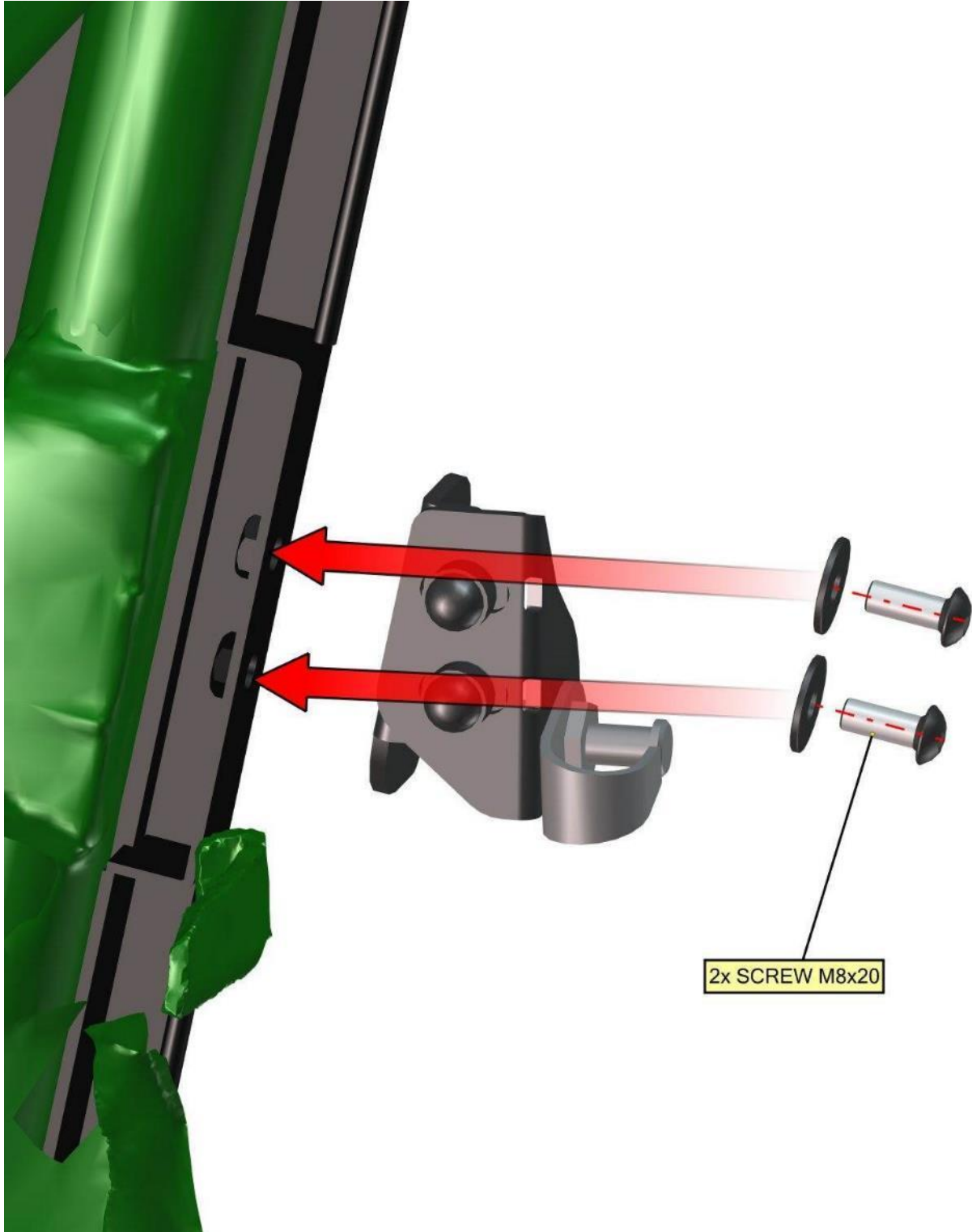
WARNING: IT IS ABSOLUTELY NECESSARY TO FILL THE WASHER TANK WITH THE WASHER LIQUID BEFORE FIRST USAGE!

RIGHT DOOR + LEFT DOOR

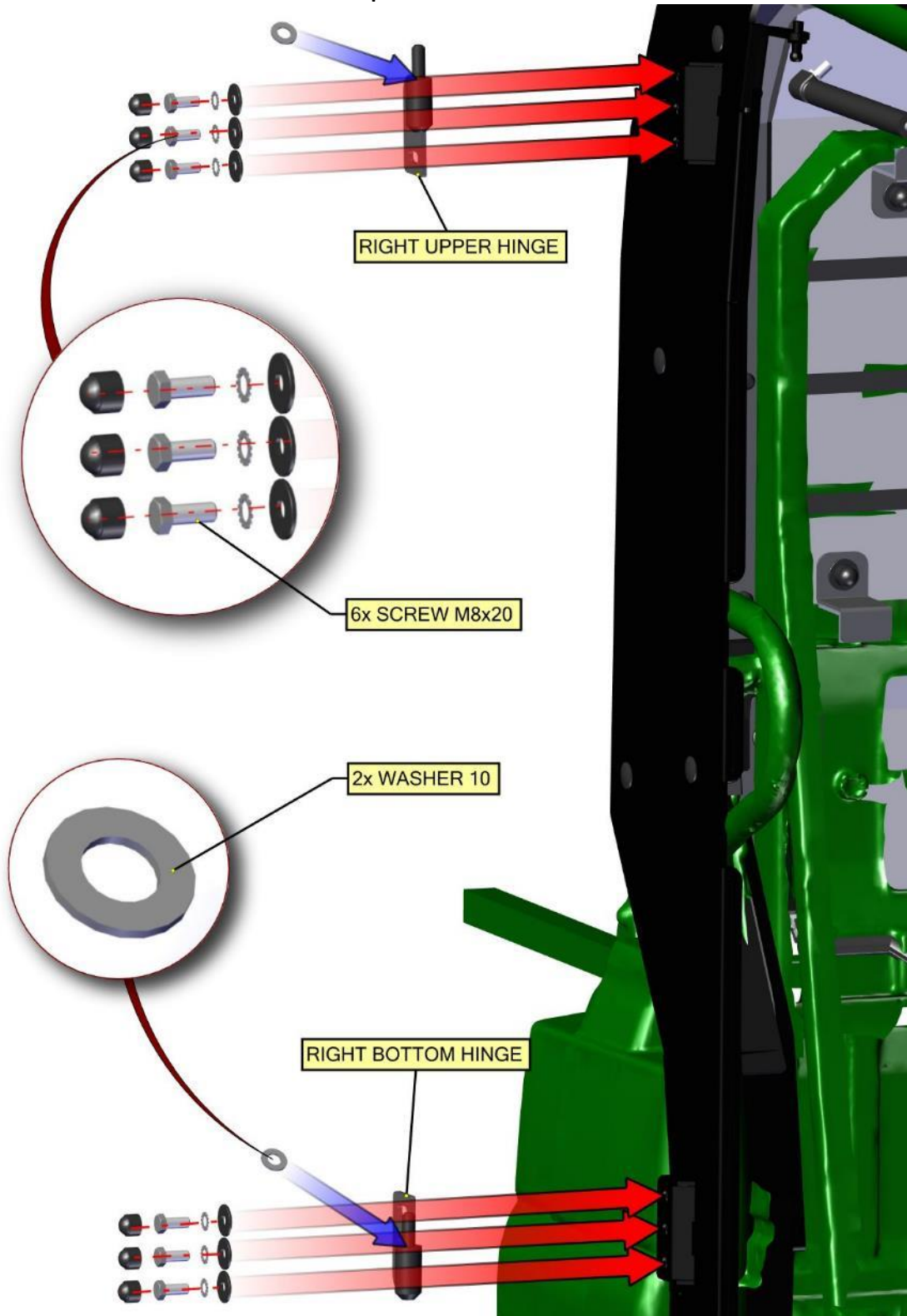
Place the right rear door stop holder 2 onto the right rear door stop holder 1 and fix by included screws, washers, nuts and covers. Install the door stop assembly into the right rear door stop holder 1.



Place the right rear door stop assembly onto the right front door base in accordance with the welded nuts and fix by included screws and washers.



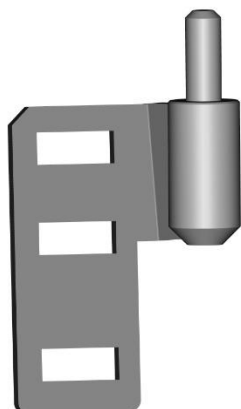
Place the right frame hinges onto the right rear door base and fix by included screws, washers, nuts and covers. Lubricate the hinges pins and place washers 10 onto the pins.



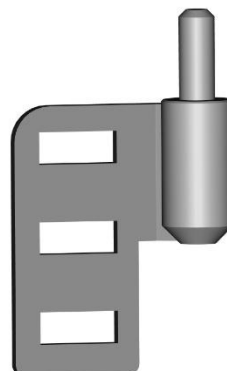
76

Do not mix up the rear upper, front upper and bottom hinge.

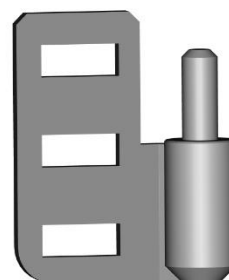
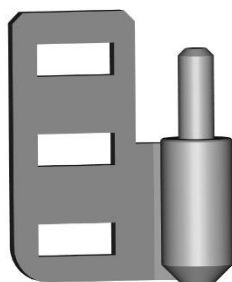
REAR UPPER HINGE
(different hole spacing)



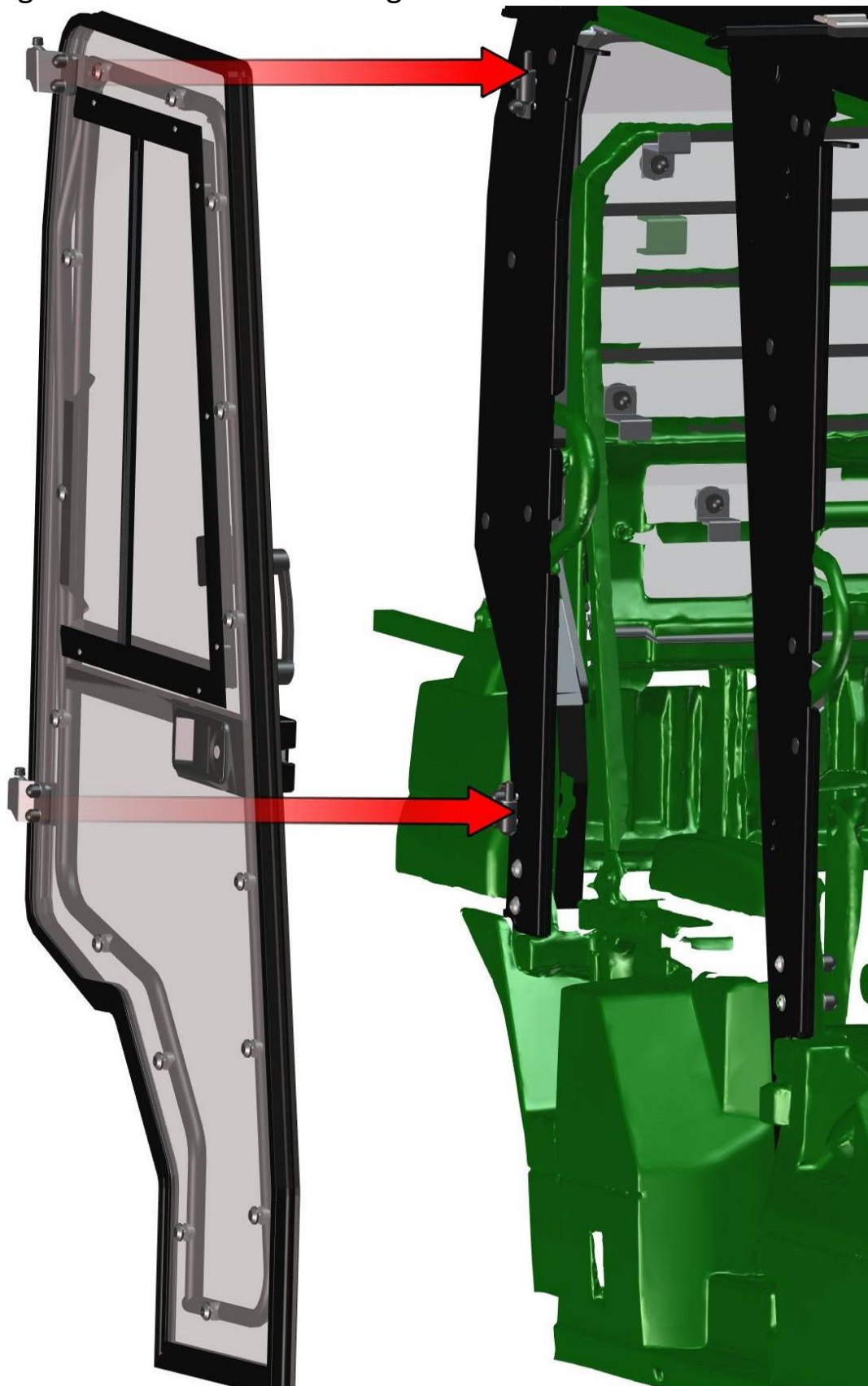
FRONT UPPER HINGE
(same hole spacing)



BOTTOM HINGES

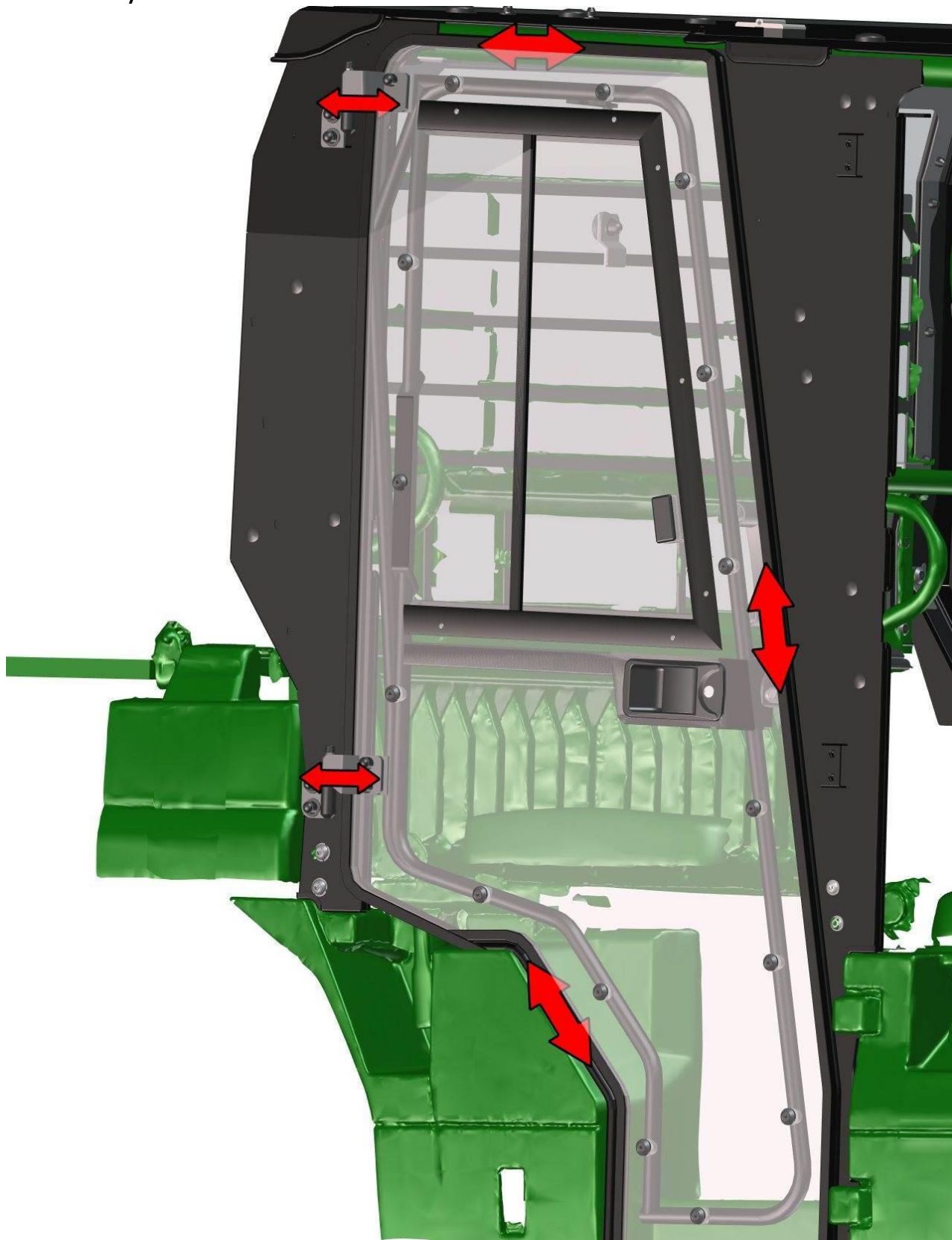


Place the right rear door onto the hinges.



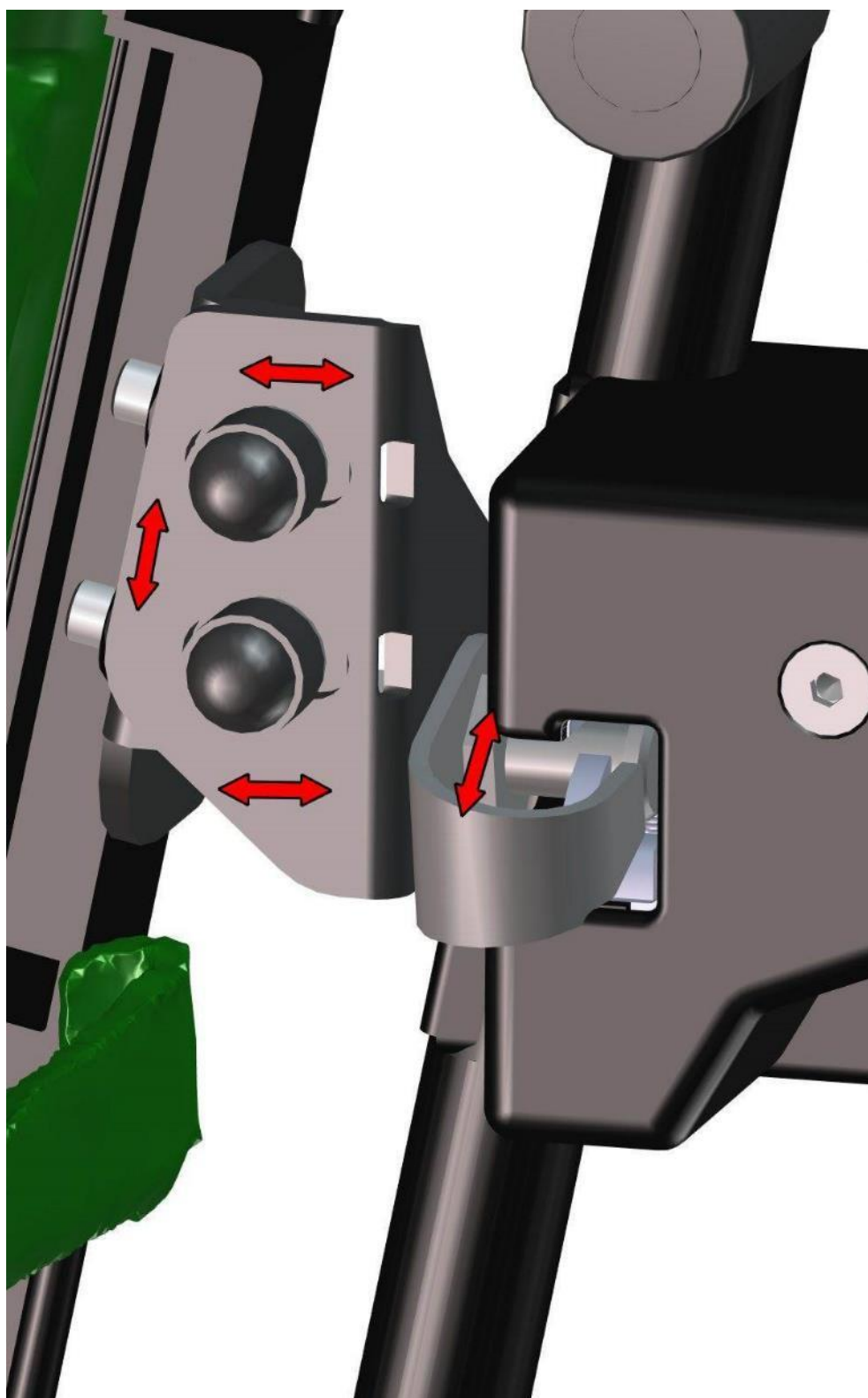
78

Adjust the right rear door into the best position and tighten screws correctly.



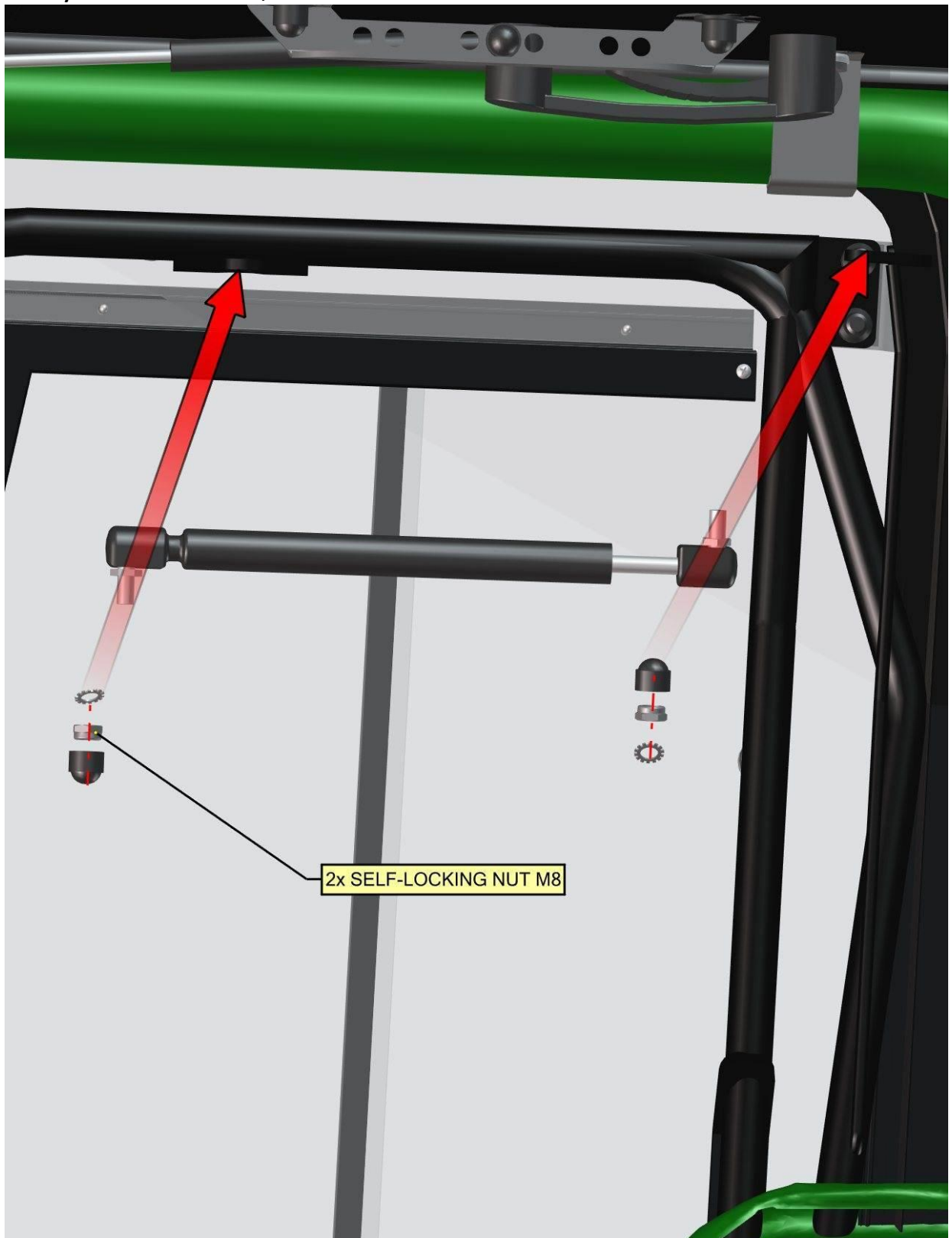
79

Adjust the right rear door stop assembly into the best position and tighten screws correctly.



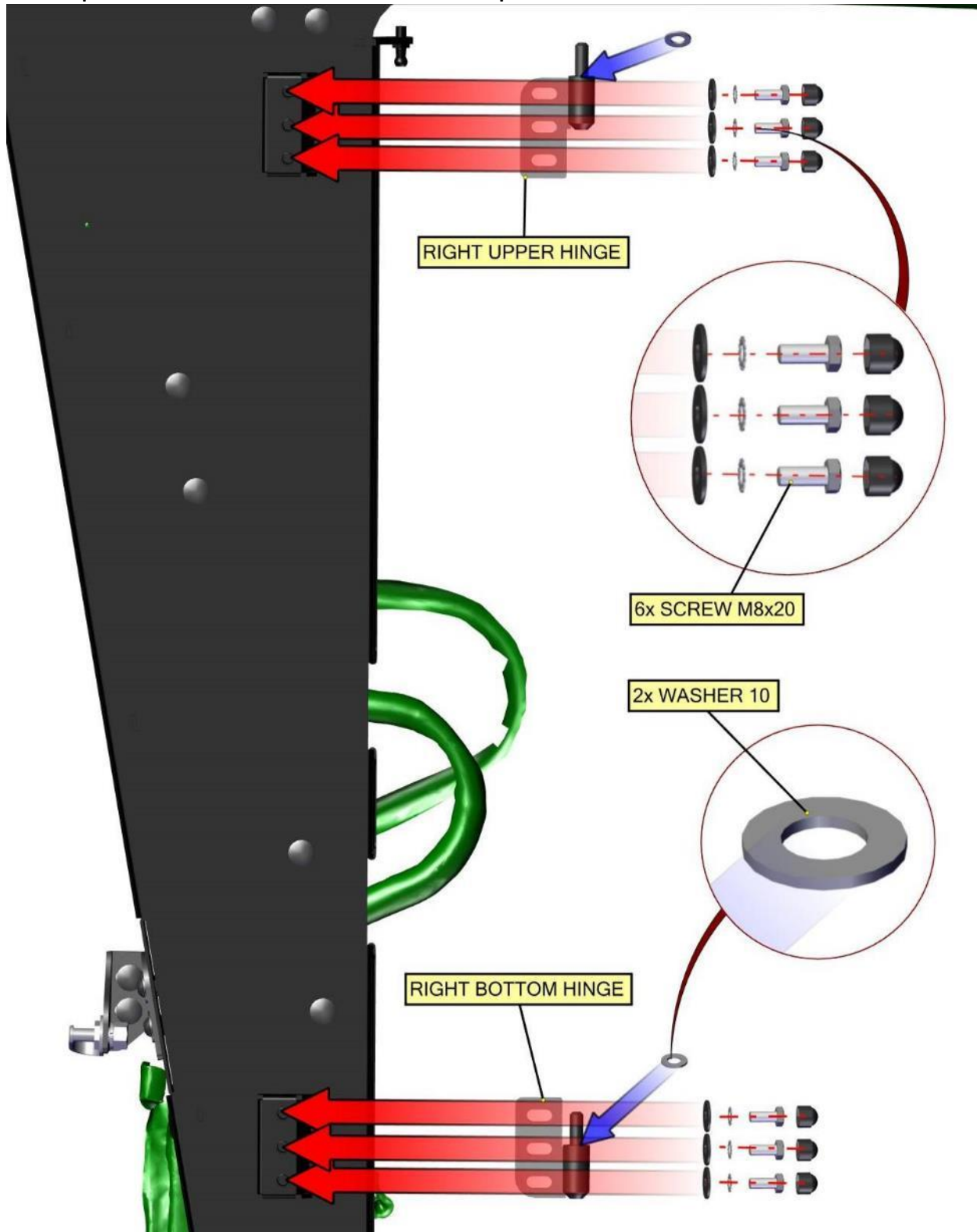
80

Install the door gas spring into the right rear gas spring holders and fix by included nuts, washers and covers.



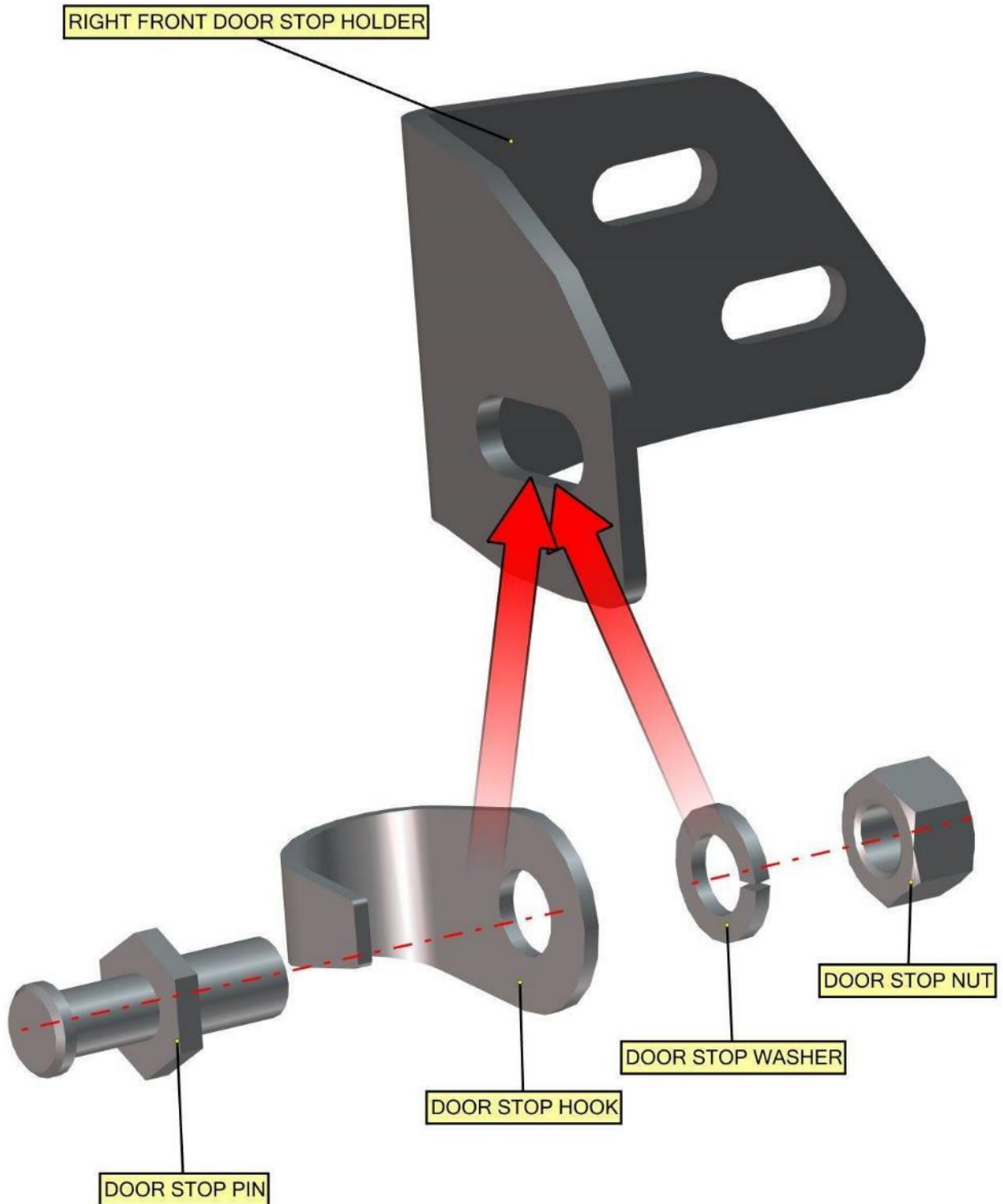
81

Place the right frame hinges onto the right front door base and fix by included screws, washers, nuts and covers. Lubricate the hinges pins and place the washers 10 onto the pins.

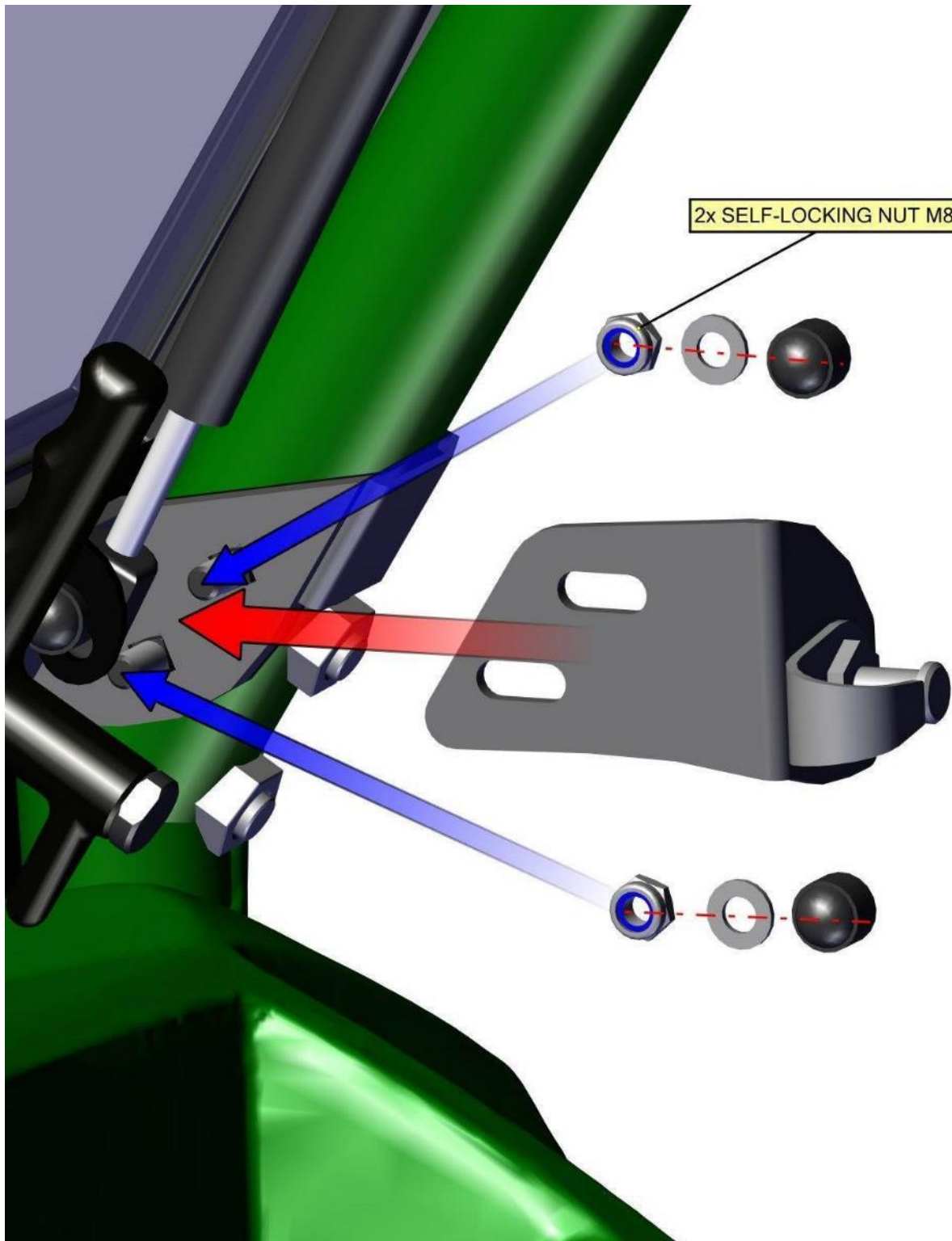


82

Install the gas spring assembly into the right front door stop holder.

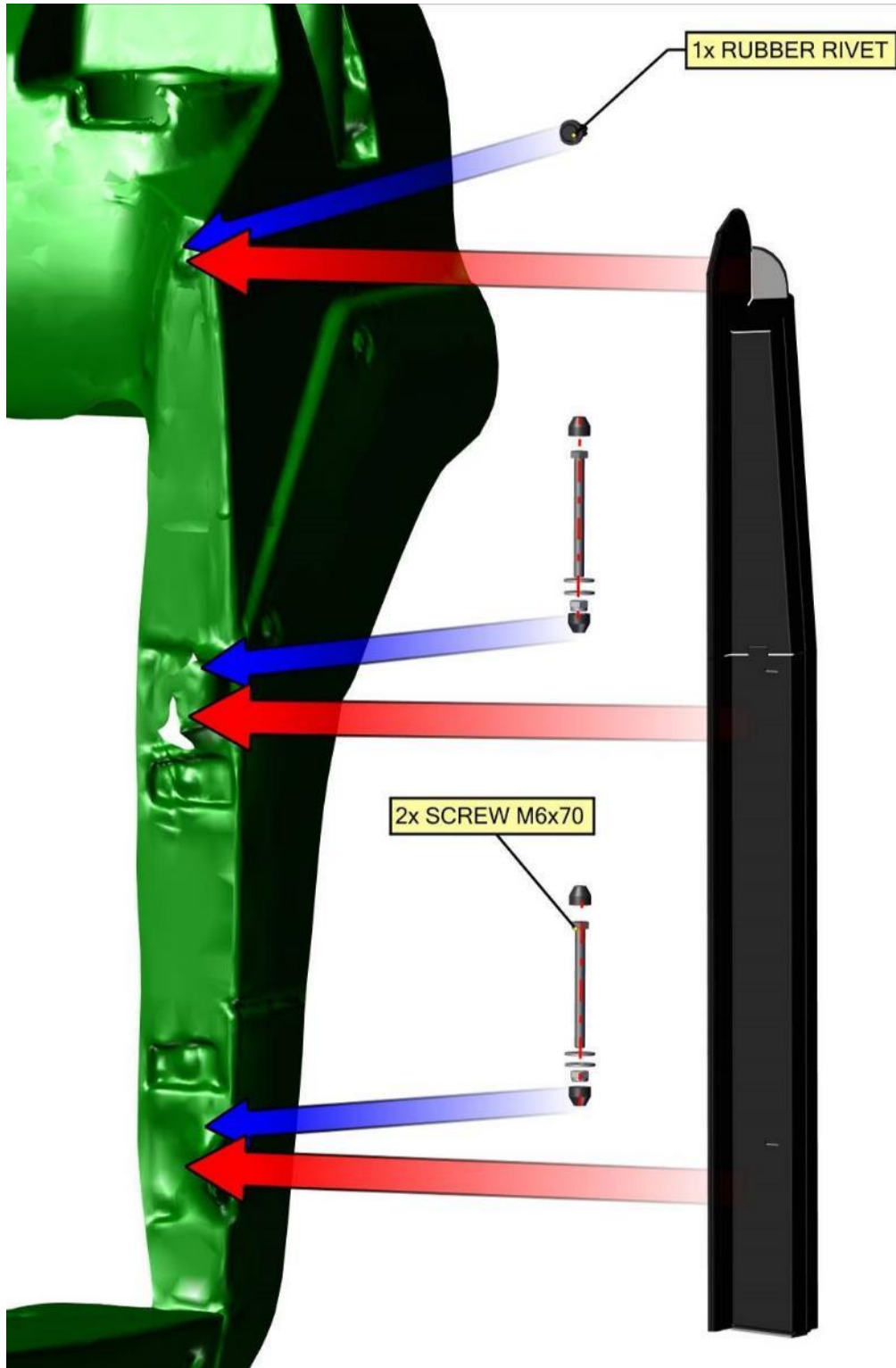


Place the right front door stop assembly onto the front bottom ledge holder prepared screws and fix by included nuts, washers and covers.



84

Place the right door ledge onto the original hinges and fix by included screws, washers and nut. Fix the ledge with the dashboard by included rubber rivet.

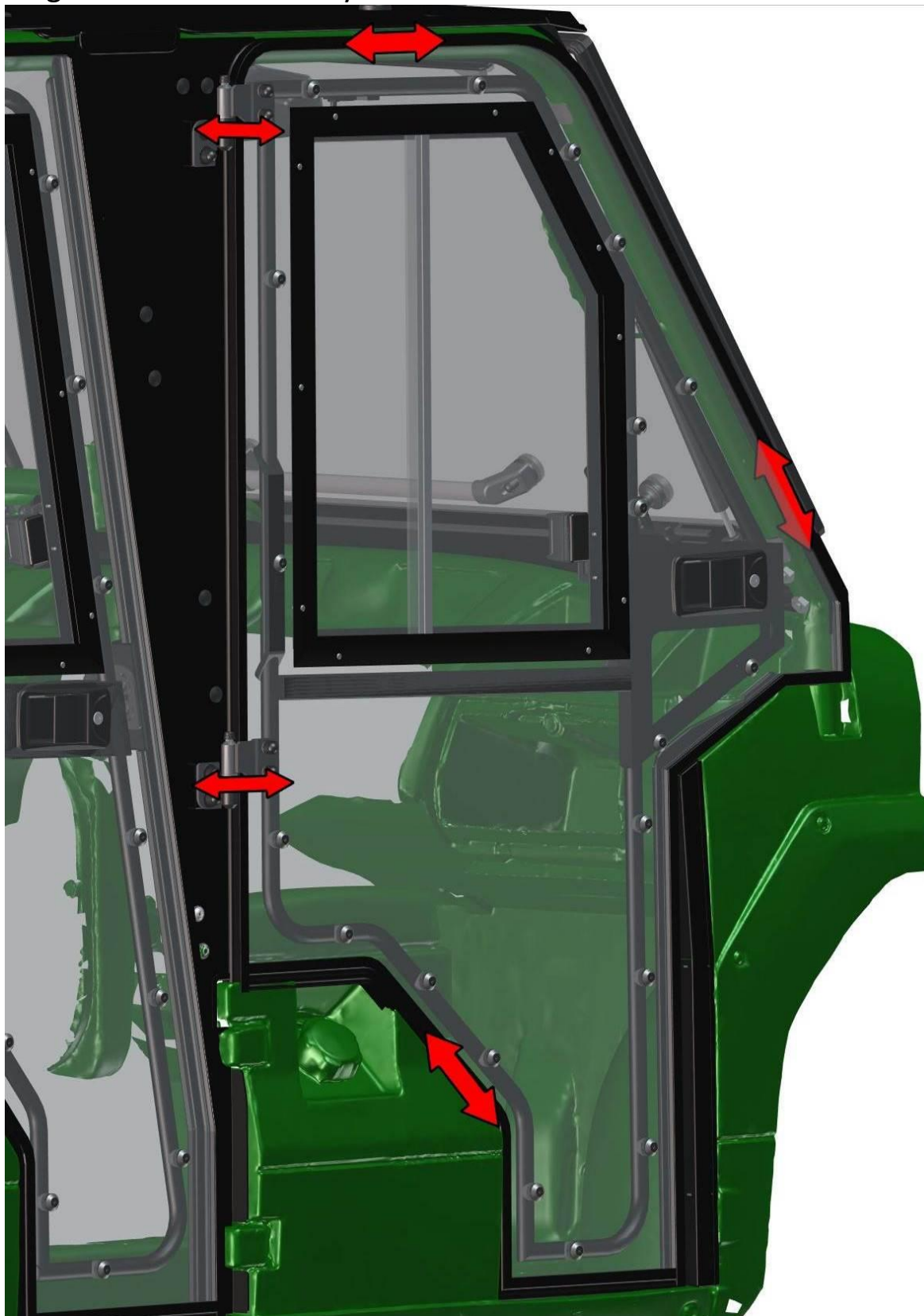


Place the right front door onto the hinges.



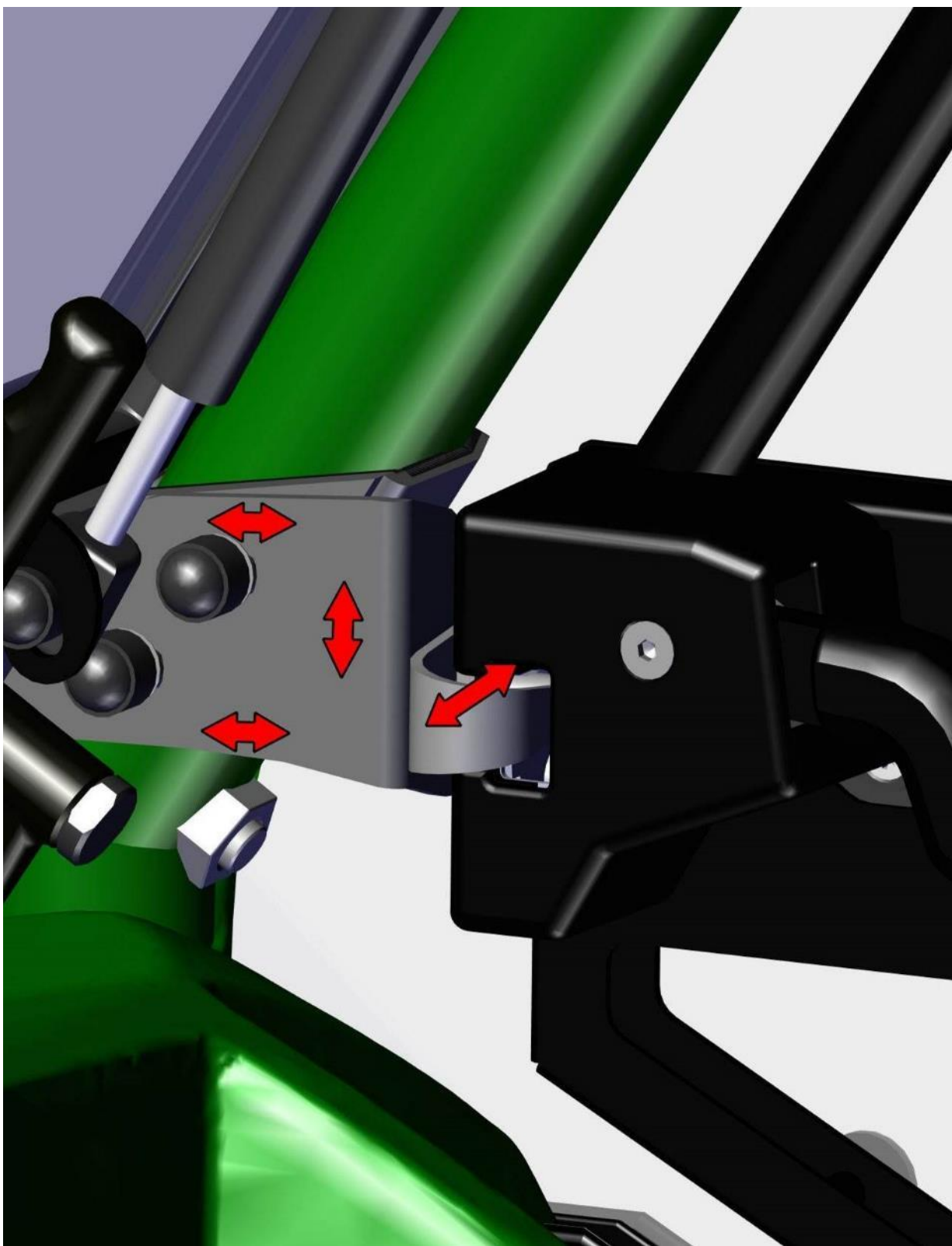
86

Adjust the right front door into the best position by hinges and tighten screws correctly.



87

Adjust the right front door stop assembly into the best position and tighten screws correctly.

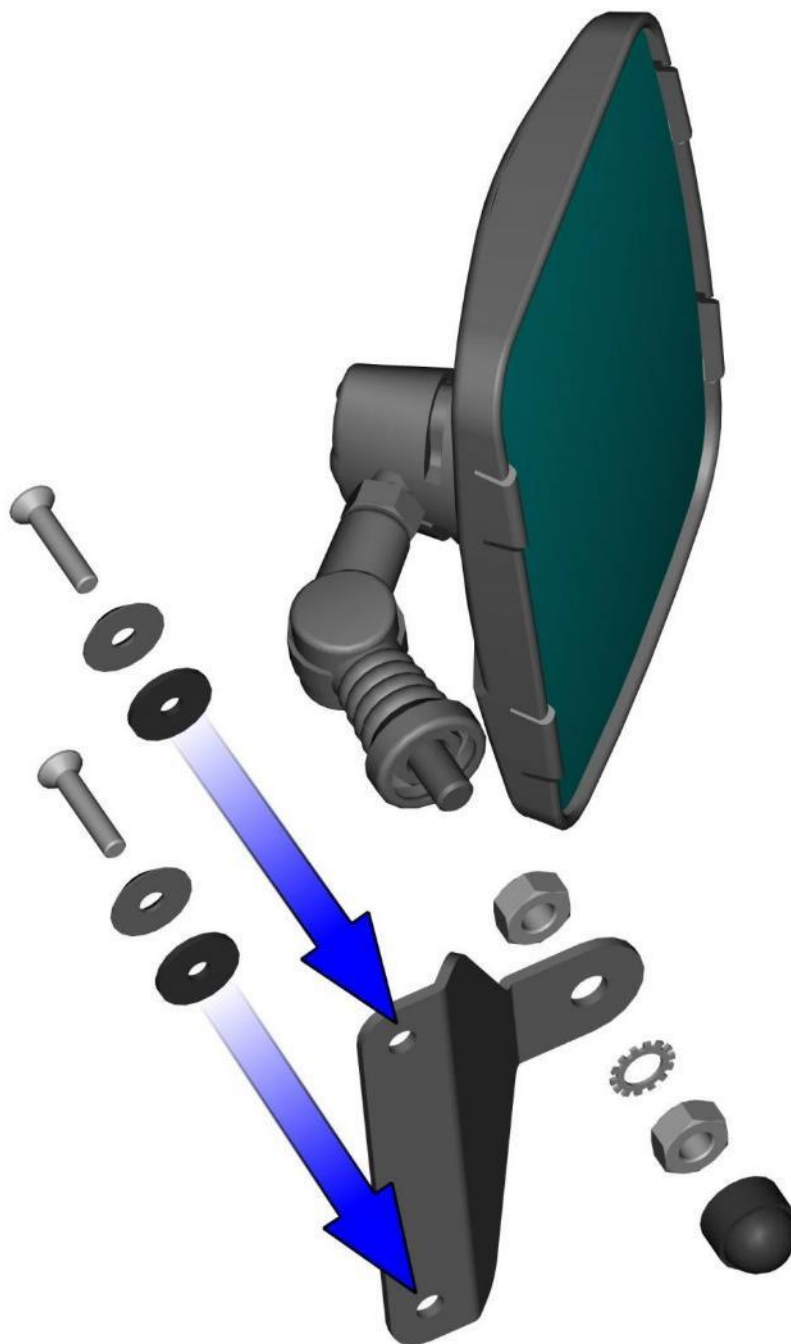


Install the door gas spring into the right front gas spring holders and fix by included nuts, washers and covers.

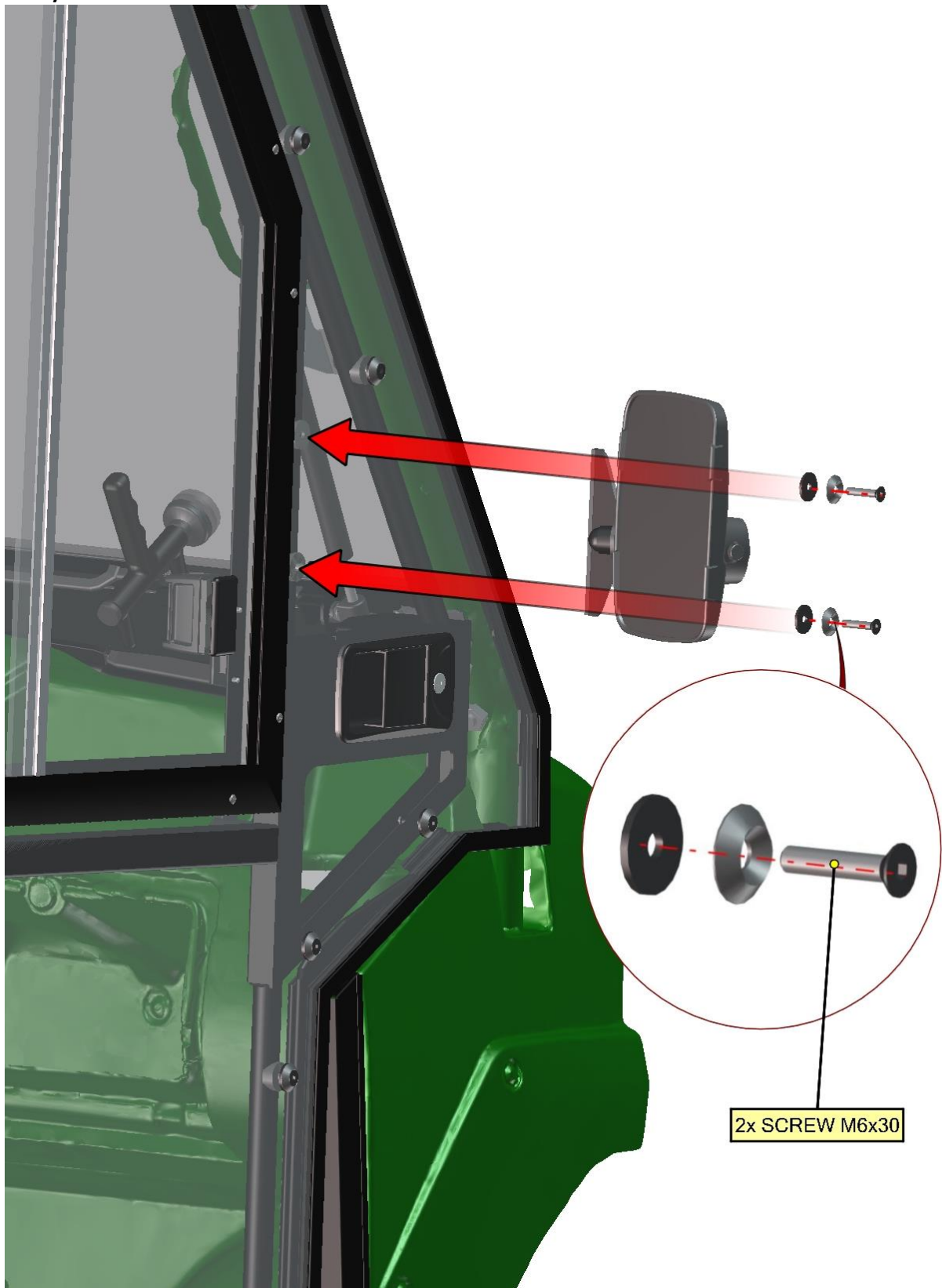


89

Place the right door mirror onto the right mirror holder and fix by included screws, washers, nuts and covers.



Place the right door mirror assembly onto the right front door and fix by included screws and washers.

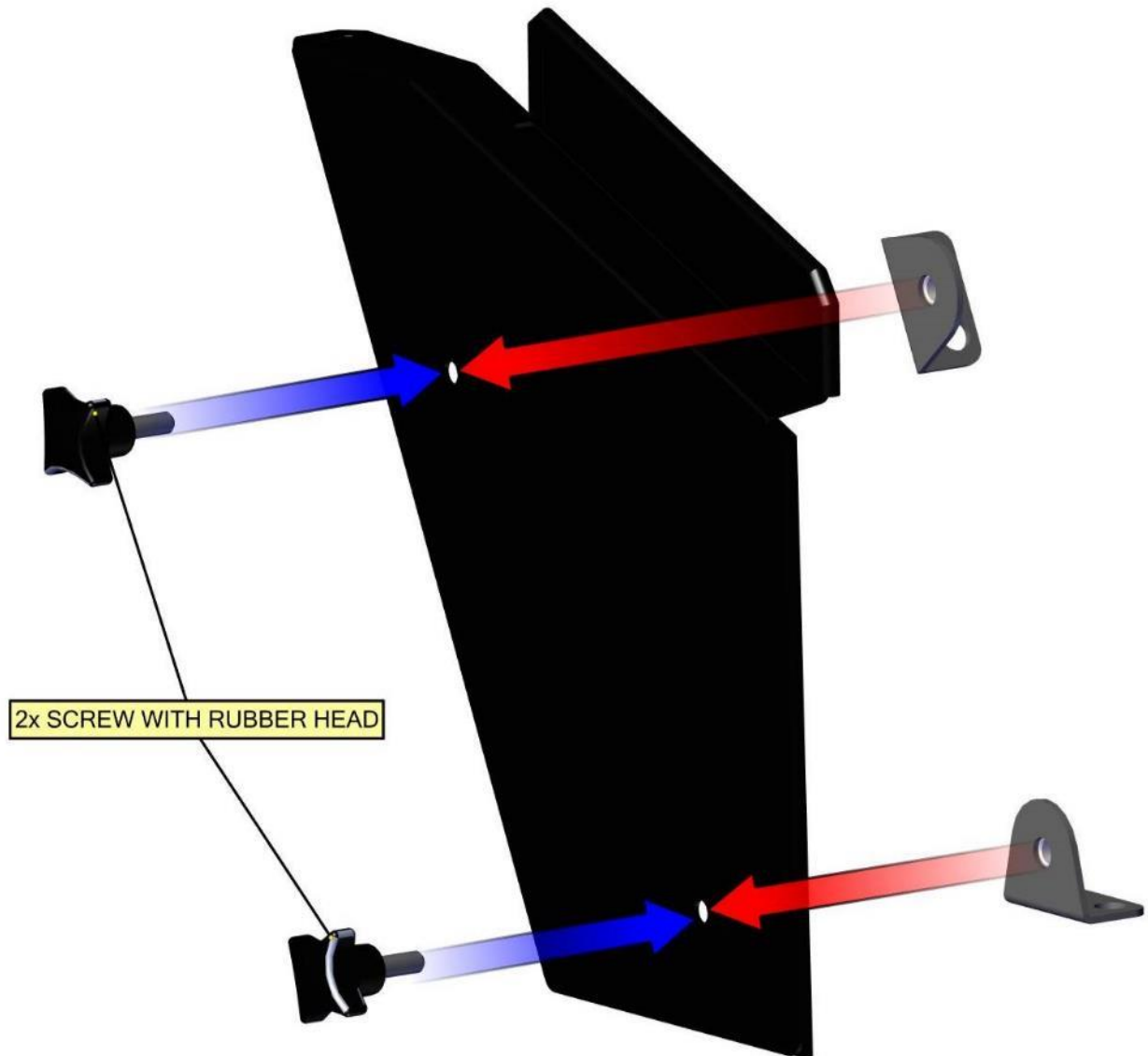


91

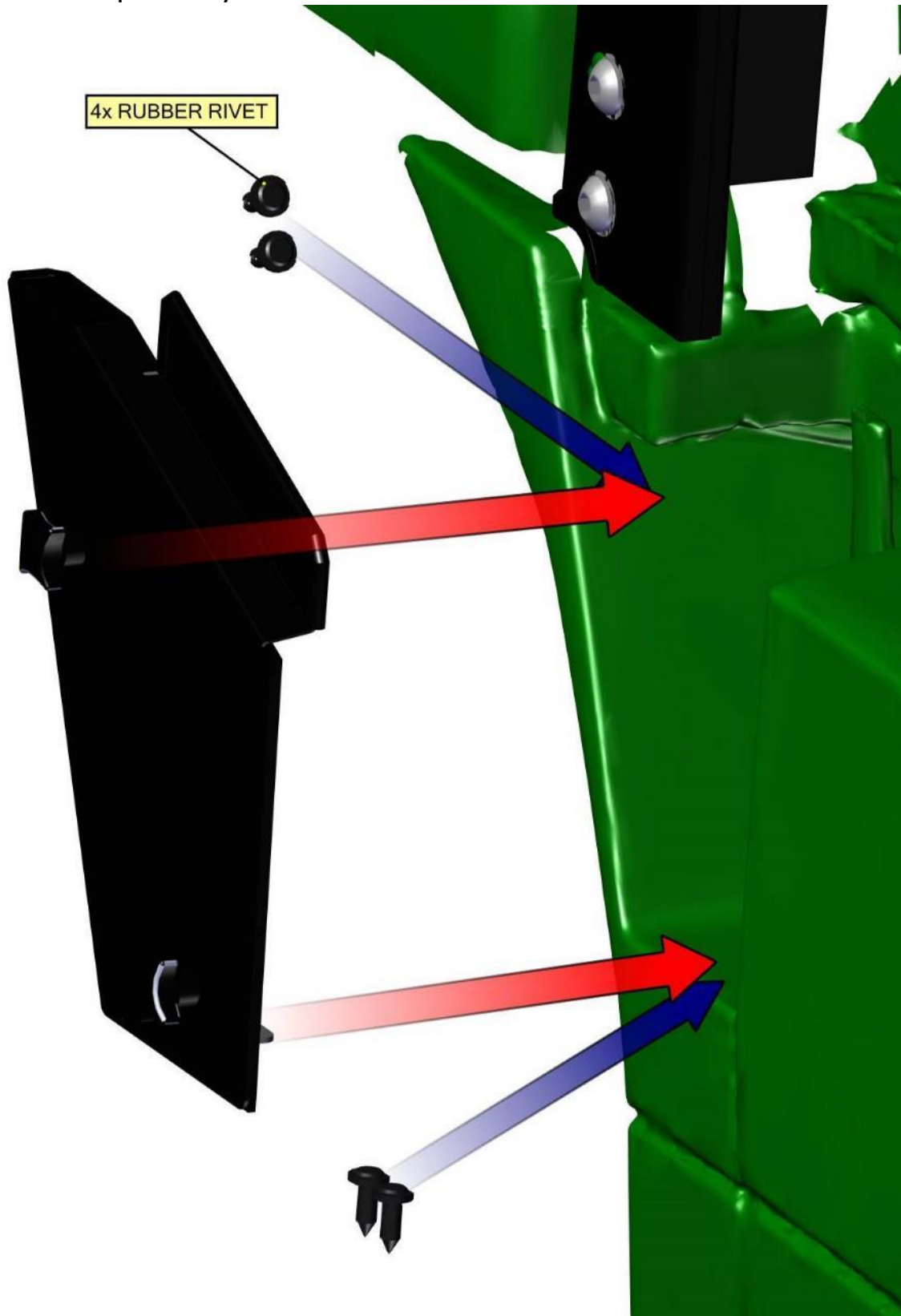
Repeat previous steps with the left doors.



Place the rear frame lock cover holder onto the rear panel lock cover and fix by included screws with rubber head.

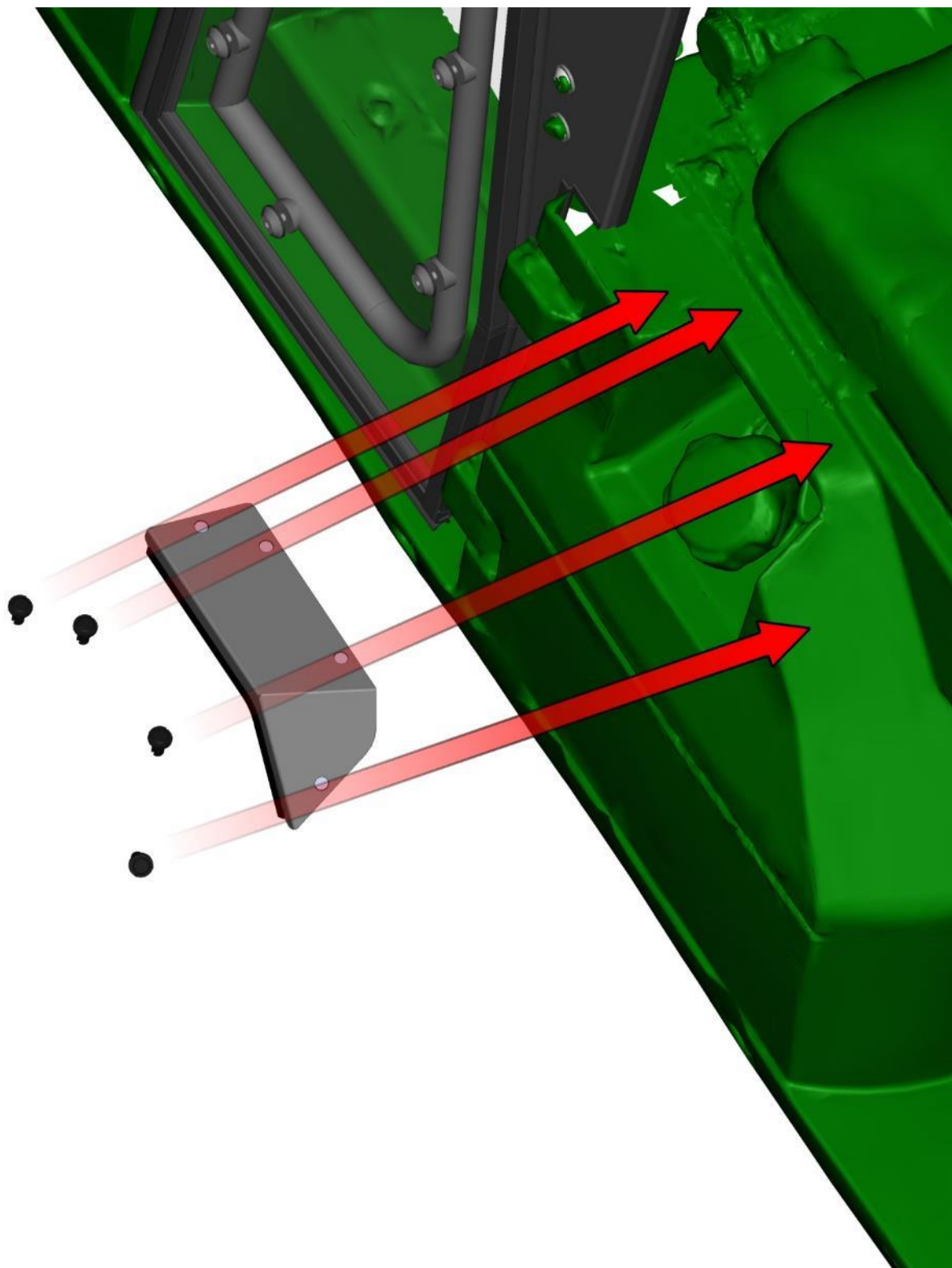


Place the rear panel lock cover assembly into the best position and fix with the UTV panel by included rubber rivets.



94

Place the fuel tank cover into the best position and fix by included rubber rivets.



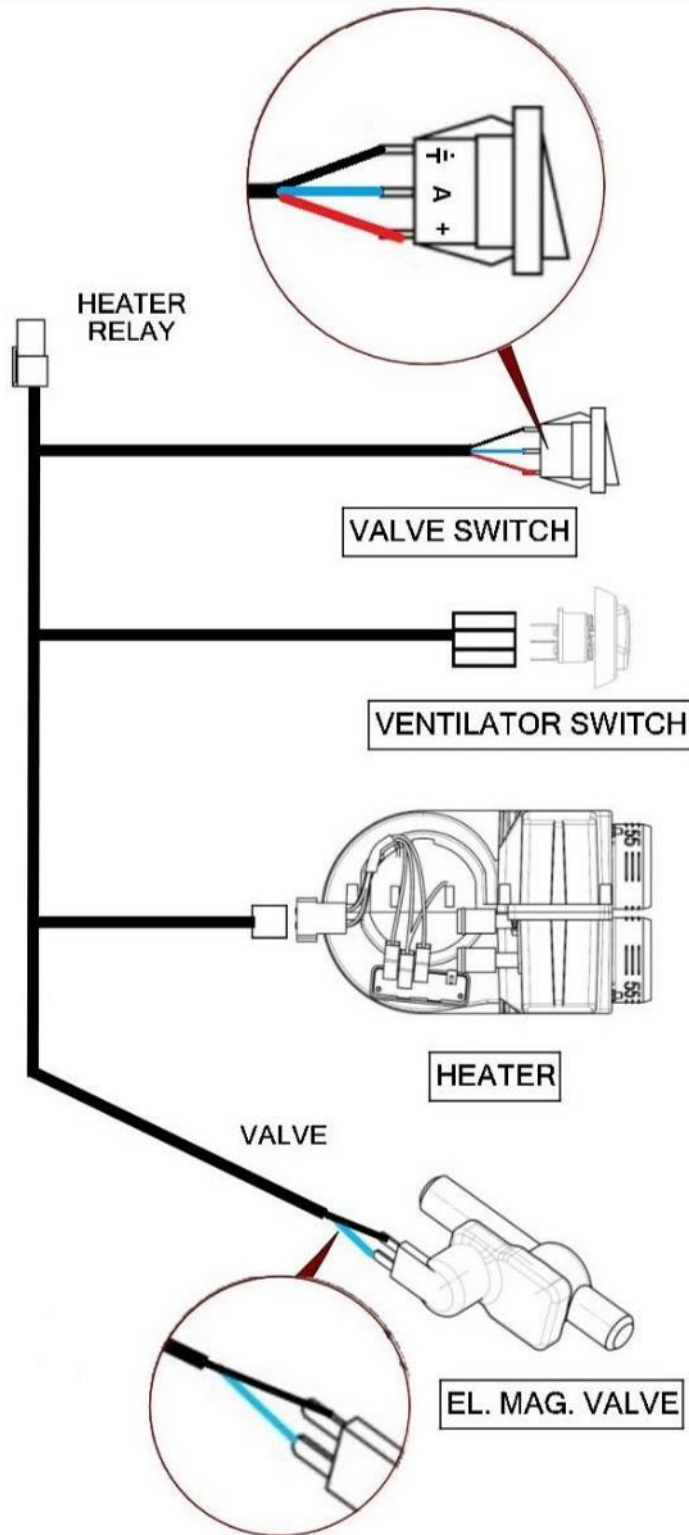
95

ELECTROINSTALLATION

HEATER

FOR PETROL ENGINE

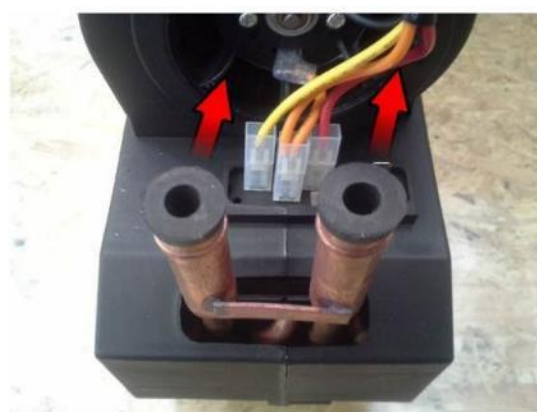
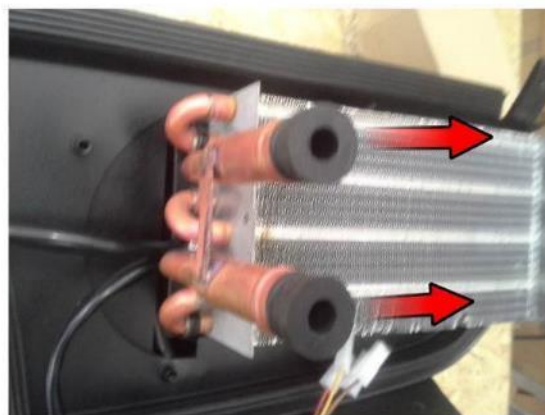
Heater wiring diagram



96

IMPORTANT

IT IS ABSOLUTELY NECESSARY TO TAKE OUT THE RUBBER PLUGS FROM THE HEATER TUBES!!!



97

Drill necessary holes into the rear glove box cover and lead the hot water hoses and the heater harness through (red circles).

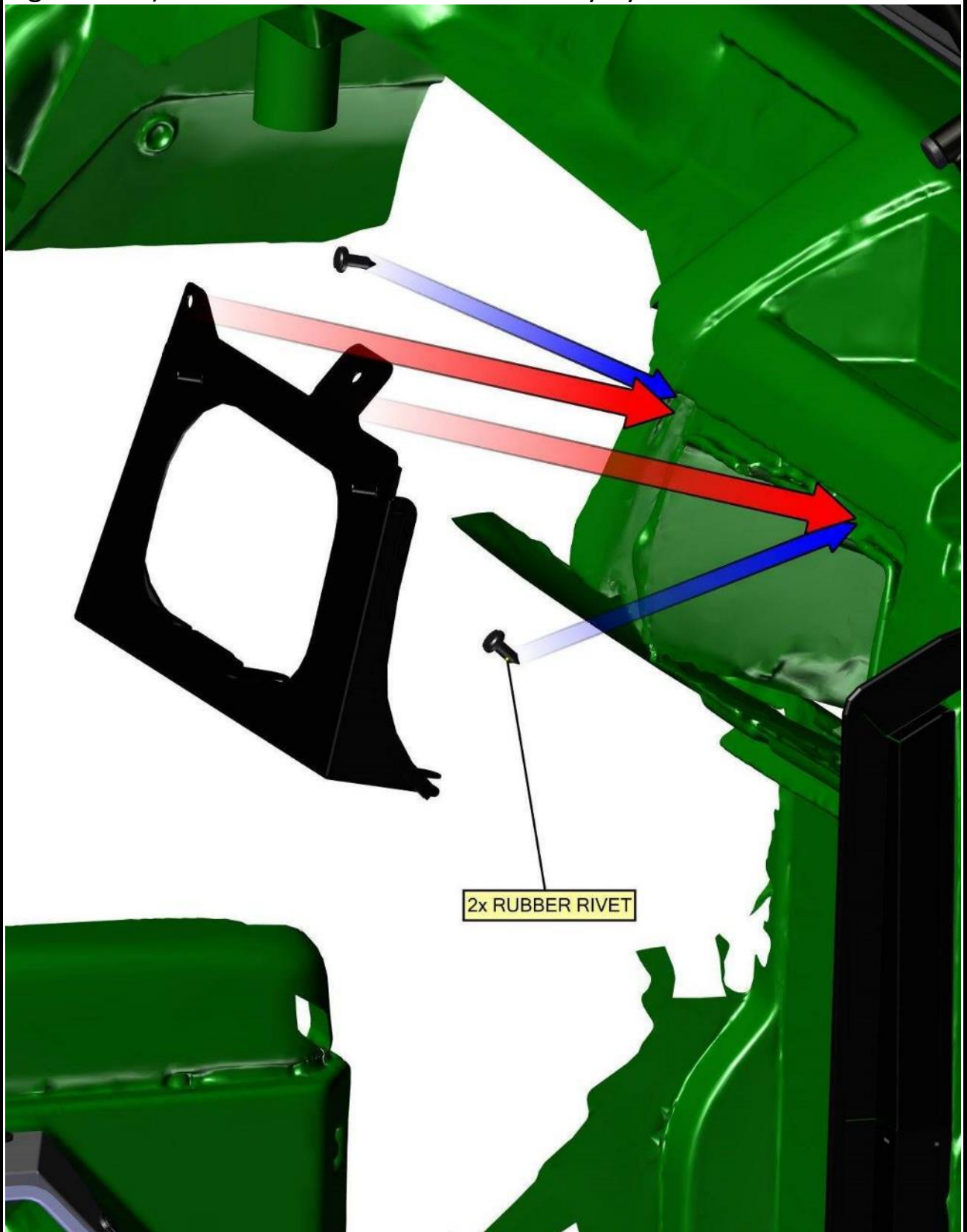


98

Install the hot water pump onto the hot water hose (red circle). Take extra care to the correct orientation. Connect the hot water pump to the pump harness.

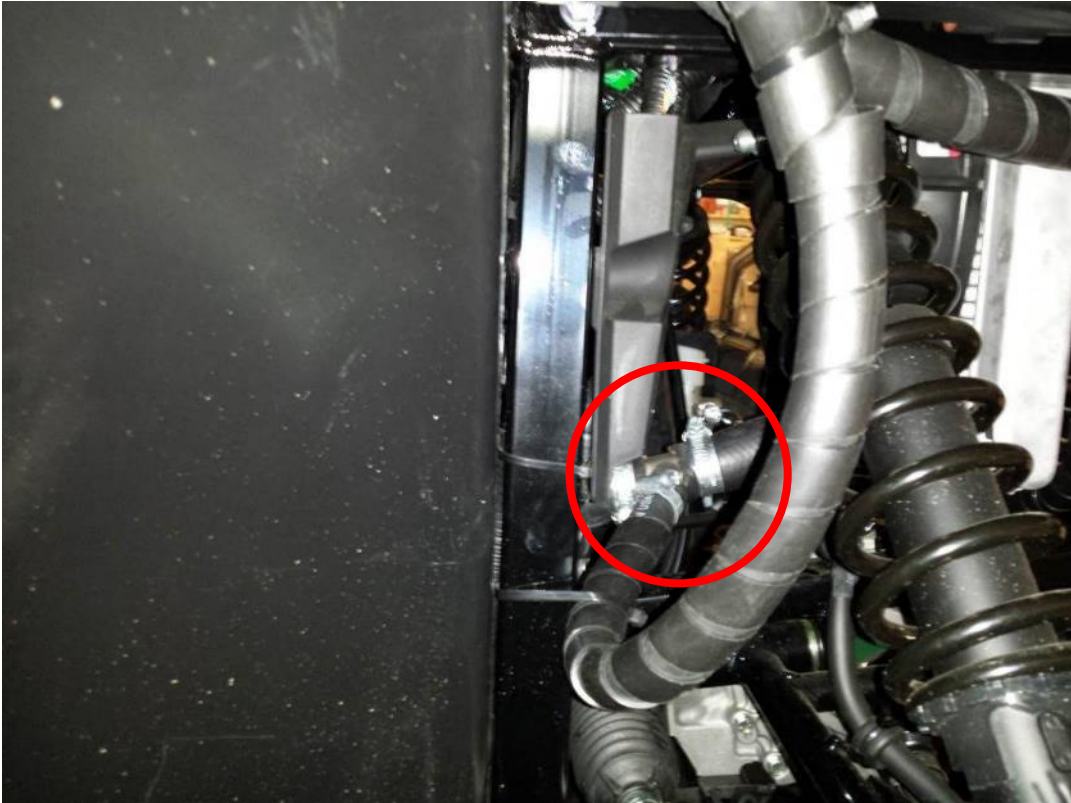


Install the heater holder to best position (heater assembly covers the golve box) and fix these with the UTV's body by included rubber rivets.



99

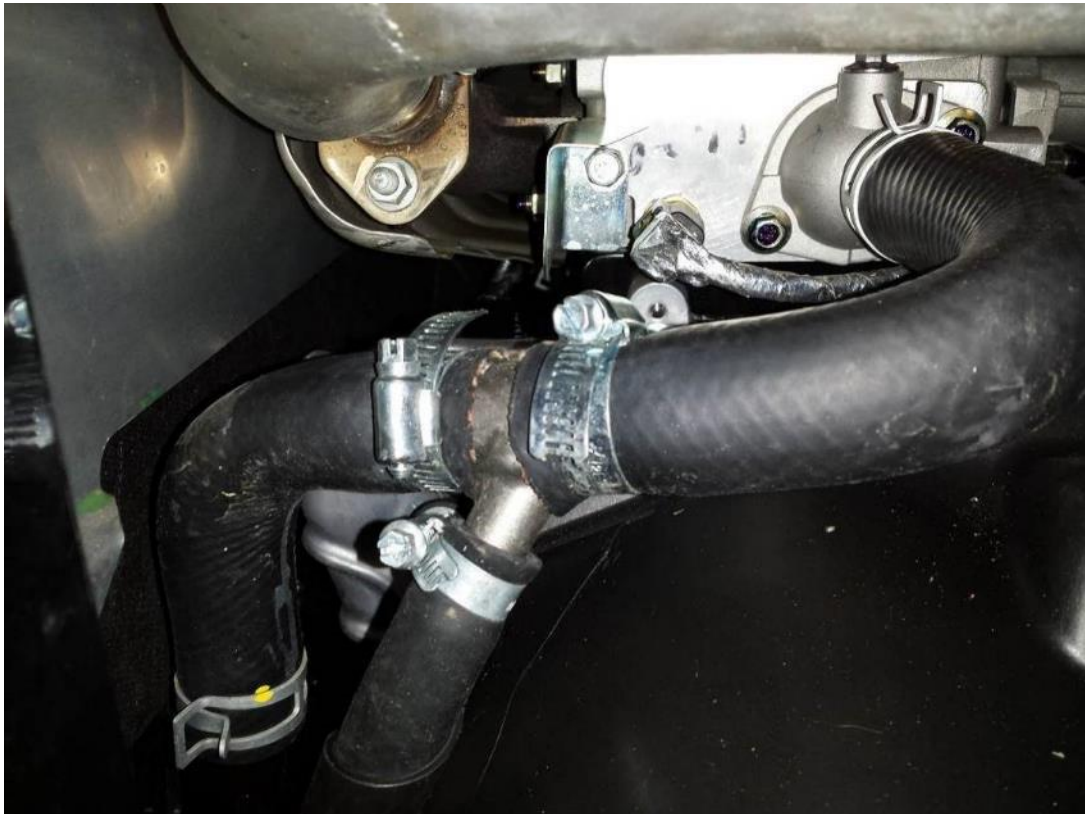
Connect hot water hose with the UTV's cooling circuit near the cooler by "Y" coupling (included).



Lead the second hot water hose under the UTV floor to the engine.



Connect hot water hose with the UTV's cooling circuit near the engine by "Y" coupling (included).



Connect the heater to the hot water hoses and to the heater harness and place the heater onto the heater holder and fix by included nuts, washers and covers on both sides.



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 installed check the system for leaks.

Turn on the electric vent switch and confirm that the engine is cold.

Start the engine, open bleeding valve and wait until engine warms up. Important:

Always check engine temperature – if it overheats turn off 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 reached turn off engine and open it. Trapped air should come out from heater system throughout bleeding valve.

Repeat this procedure until 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.

BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

Use the following torques when special torques are not given. These values apply to fasteners as received from suppliers, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads. Remember to always use grade five or better when replacing bolts.

IMPORTANT: On all PLATED GRADE 8 bolts, reduce torque 15% from listed bolt torque specification.

SAE Grade No.		2				5				8*			
Bolt head identification mark as per grade. NOTE: Manufacturing Marks Will Vary													
Bolt Size		TORQUE				TORQUE				TORQUE			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters	
Inches	Millimeters	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1/4	6.35	5	6	7	8	9	11	12	15	12	15	16	20
5/16	7.94	10	12	14	16	17	20.5	23	28	24	29	33	39
3/8	9.53	20	23	27	31	35	42	48	57	45	54	61	73
7/16	11.11	30	35	41	47	54	64	73	87	70	84	95	114
1/2	12.70	45	52	61	70	80	96	109	130	110	132	149	179
9/16	14.29	65	75	88	102	110	132	149	179	160	192	217	260
5/8	15.88	95	105	129	142	150	180	203	244	220	264	298	358
3/4	19.05	150	185	203	251	270	324	366	439	380	456	515	618
7/8	22.23	160	200	217	271	400	480	542	651	600	720	814	976
1	25.40	250	300	339	406	580	696	787	944	900	1080	1220	1464
1-1/8	25.58	-	-	-	-	800	880	1085	1193	1280	1440	1736	1953
1-1/4	31.75	-	-	-	-	1120	1240	1519	1681	1820	2000	2468	2712
1-3/8	34.93	-	-	-	-	1460	1680	1980	2278	2380	2720	3227	3688
1-1/2	38.10	-	-	-	-	1940	2200	2631	2983	3160	3560	4285	4827

*Thick Nuts must be used with Grade 8 bolts

METRIC BOLT TORQUE SPECIFICATIONS

Size of Screw	Property Class	Course Thread			Fine Thread		
		Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meters
M6	5.6	1.0	3.6-5.8	4.9-7.9	-	-	-
	8.8		5.8-9.4	7.9-12.7		-	-
	10.9		7.2-10	9.8-13.6		-	-
M8	5.6	1.25	7.2-14	9.8-19	1.0	12-17	16.3-23
	8.8		17-22	23-29.8		19-27	25.7-36.6
	10.9		20-26	27.1-35.2		22-31	29.8-42
M10	5.6	1.5	20-25	27.1-33.9	1.25	20-29	27.1-39.3
	8.8		34-40	46.1-54.2		35-47	47.4-63.7
	10.9		38-46	51.5-62.3		40-52	54.2-70.5
M12	5.6	1.75	28-34	37.9-46.1	1.25	31-41	42-55.6
	8.8		51-59	69.1-79.9		55-68	75.9-92.1
	10.9		57-66	77.2-89.4		62-75	84-101.6
M14	5.6	2.0	49-56	66.4-75.9	1.5	52-64	70.5-86.7
	8.8		81-93	109.8-126		90-106	122-143.6
	10.9		96-109	130.1-147.7		107-124	145-168
M16	5.6	2.0	67-77	90.8-104.3	1.5	69-83	93.6-112.5
	8.8		116-130	157.2-176.2		120-138	162.6-187
	10.9		129-145	174.8-196.5		140-158	189.7-214.1
M18	5.6	2.0	88-100	119.2-136	1.5	100-117	136-158.5
	8.8		150-168	203.3-227.6		177-199	239.8-269.6
	10.9		175-194	237.1-262.9		202-231	273.7-313
M20	5.6	2.5	108-130	146.3-176.2	1.5	132-150	178.9-203.3
	8.8		186-205	252-277.8		206-242	279.1-327.9
	10.9		213-249	288.6-337.4		246-289	333.3-391.6



Declaration of Conformity



DFK Cab, s.r.o.

Za Olšávkou 391

686 01 Uherské Hradiště

Česká republika / Czech Republic