

HardCabs →

INSTALLATION INSTRUCTIONS

CF MOTO **UFORCE 1000**



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 full open position.

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

MAINTENANCE AND CLEANING

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

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

The recommended frequency of cleaning of polycarbonate 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 panels are heated by the sun.

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

Do not powerwash at a strength greater than 725psi (50 bar)

The manufacturer is not responsible for scratches on the polycarbonate surface in the event of failure to comply with the above instructions.

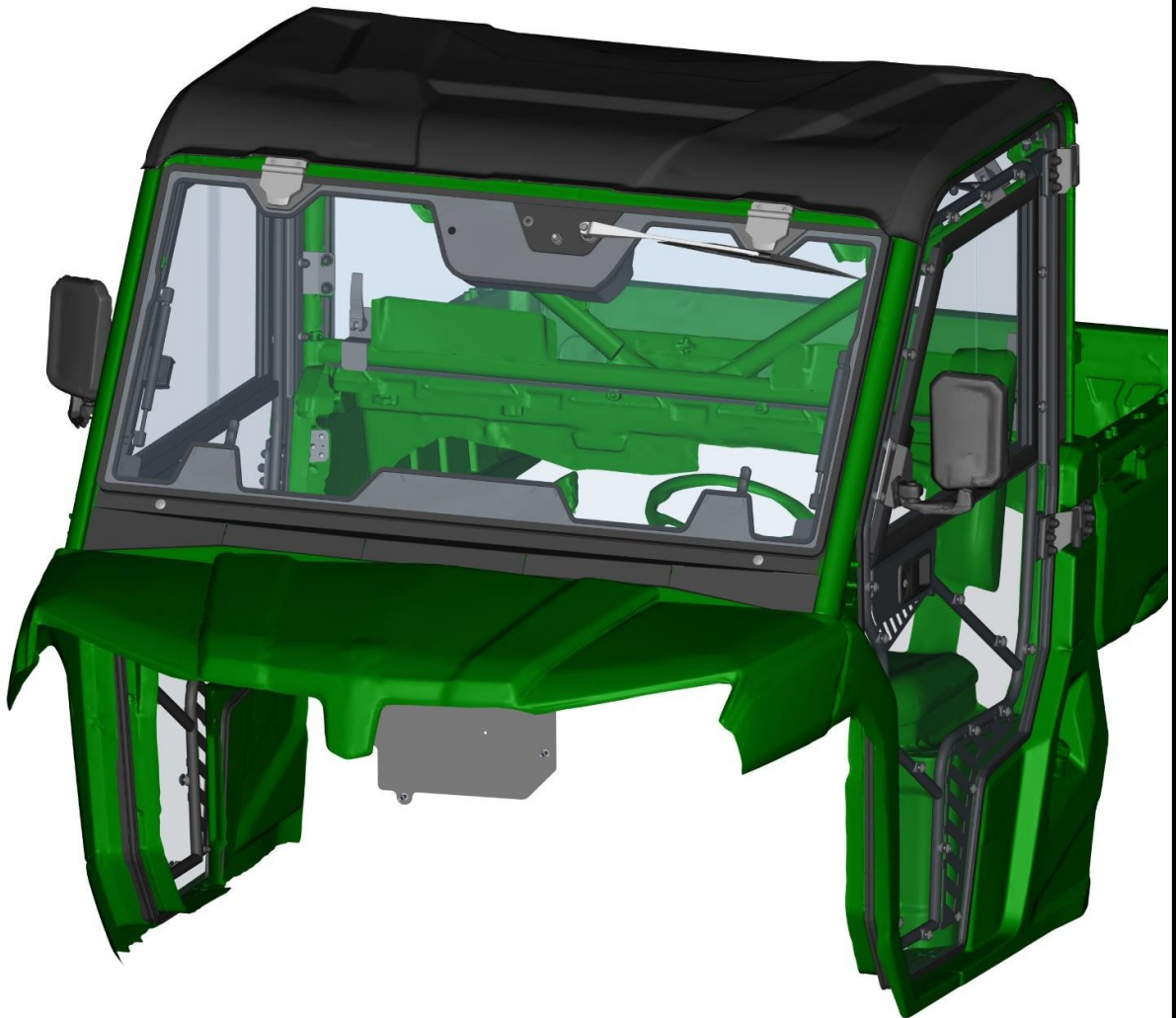
All bolted connections of cab must be checked and tightened by user at regular intervals.

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:

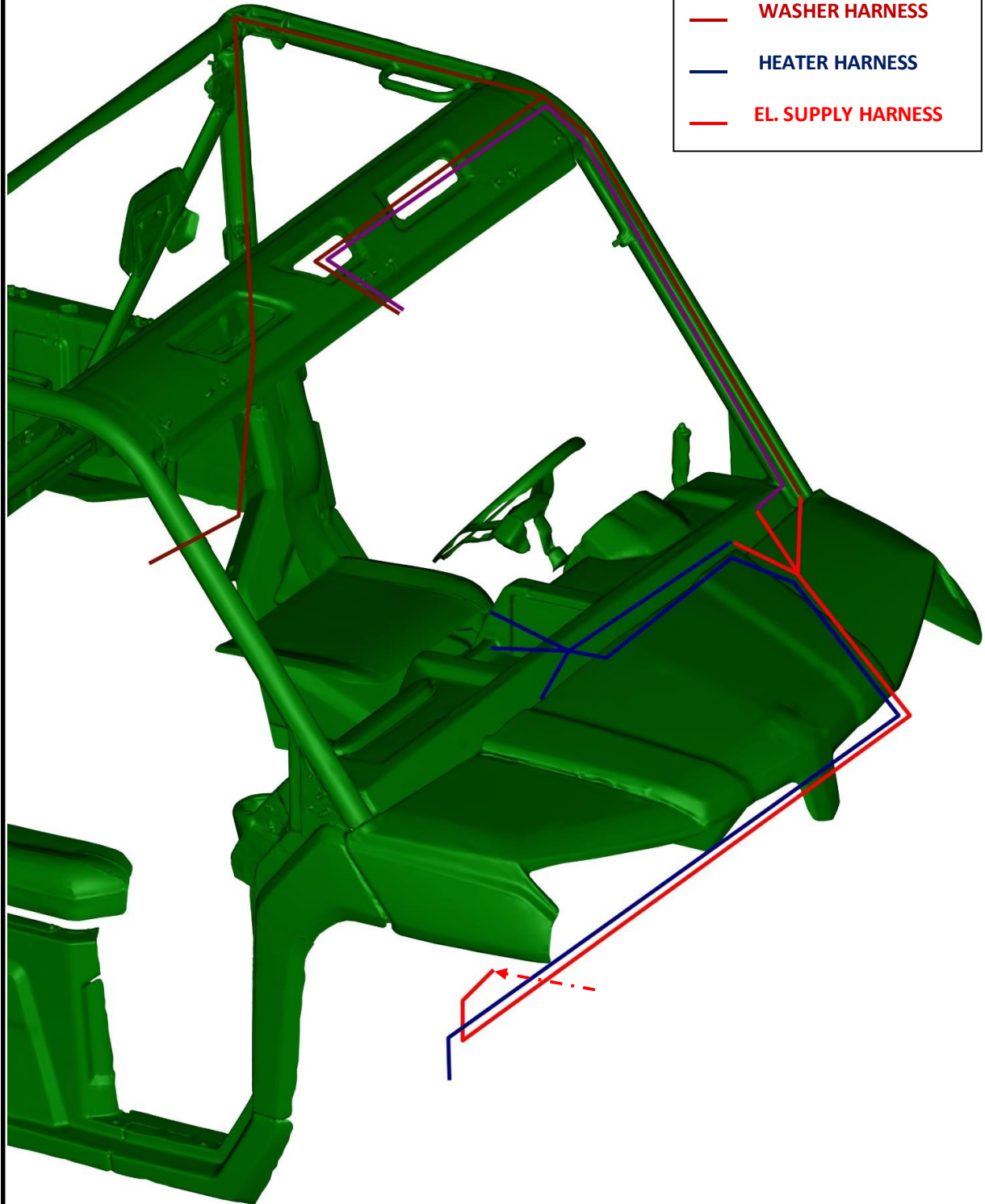
Uninstall all additional systems from the roller cages (work lights, rear mirrors, drink holders etc.)

CAB PREVIEW



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ELECTROINSTALLATION
HARNESS SCHEMATIC OVERALL DIAGRAM



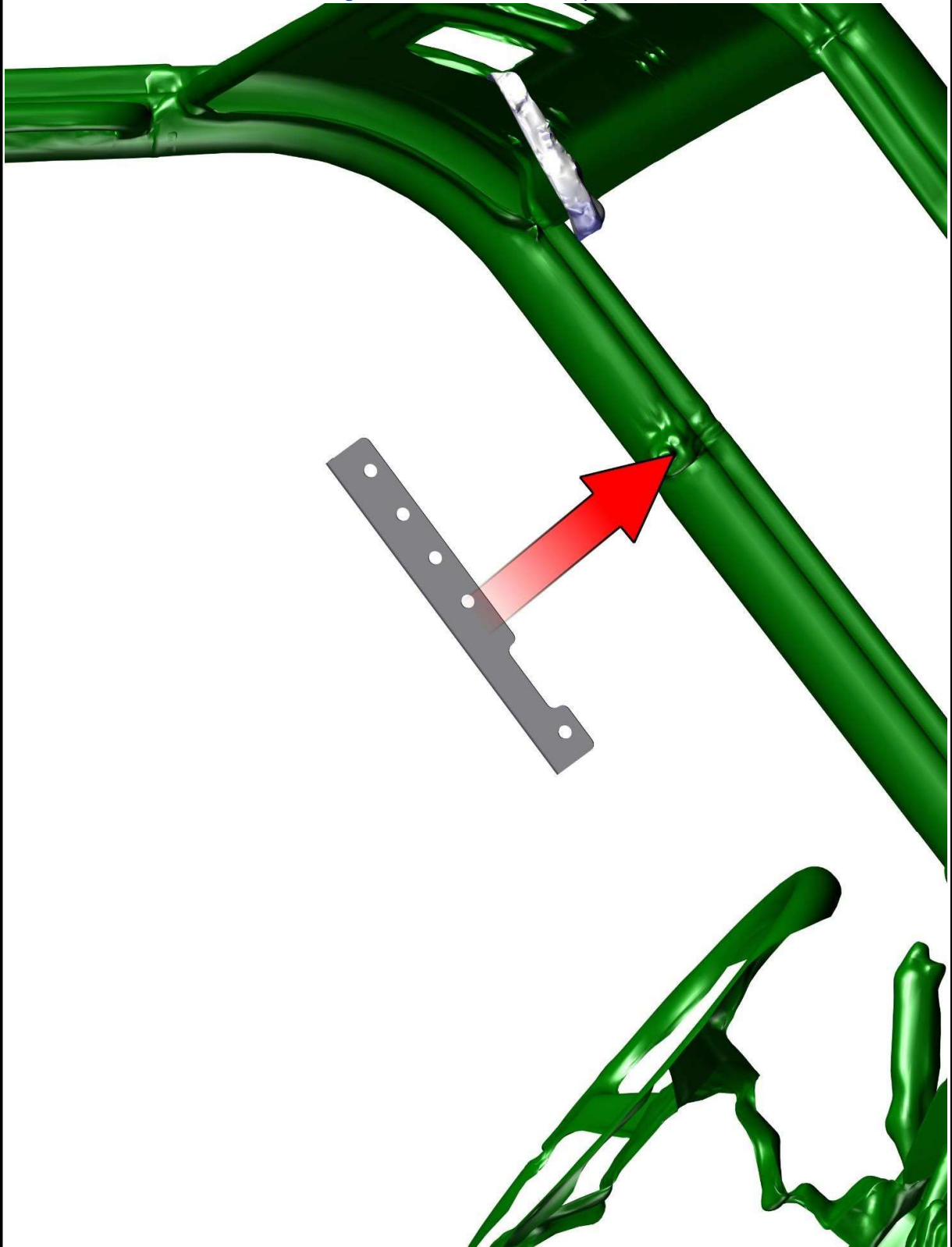
5

WIPER – WASHER 1

Uninstall front central dashboard cover. Uninstall front left dashboard cover.
Run the wiper harness and the washer harness from the front dashboard space to the machine frame.



Place the harness ledge onto the frame and fix by included screw M8x14.



Run the wiper harness and the washer harness around the frame.



Run the wiper harness and the washer harness around the frame.



Run the wiper harness and the washer harness around the frame.



Run the the washer harness around the frame.



Install washertank onto the machine frame with included holder and screws.
Run the washer harness to the washer tank. Connect the washer harness with the washer tank.



(UPPERSIDE VIEW)



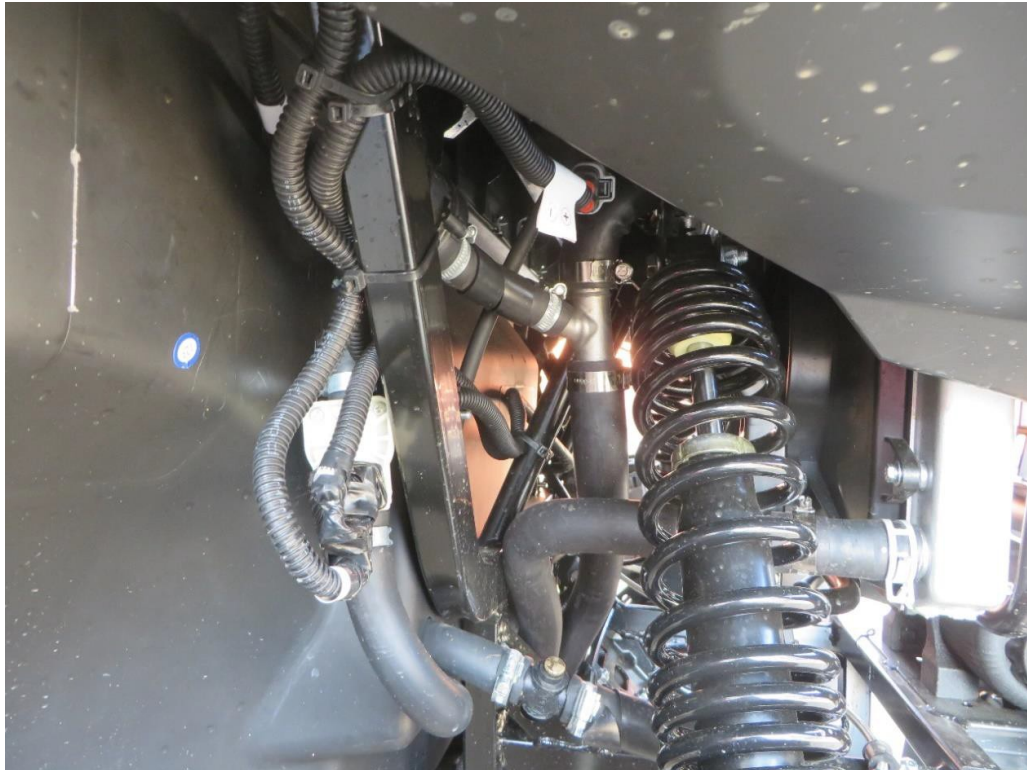
Stretch the wiper harness and the washer harness through the original hole to the innerspace.



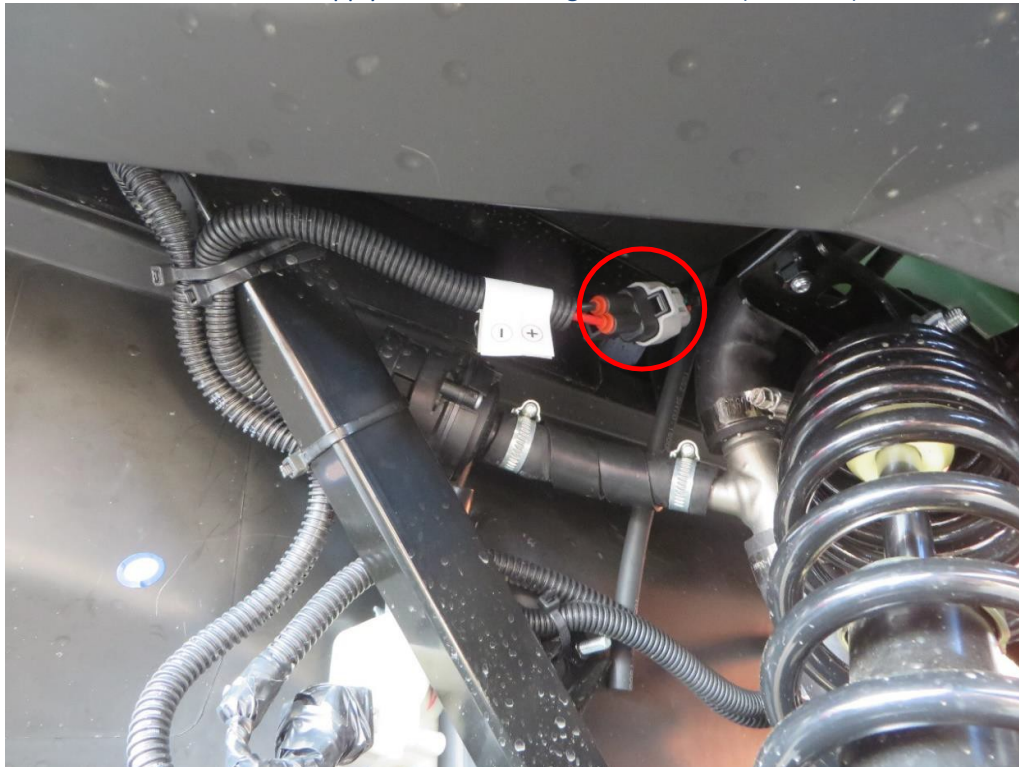
Place the electrical supply harness to the inner dashboard space.
Run the supply harness through the original hole to the left wheel space.



Run the supply harness to the right wheel.



Connect the supply harness with original connector (red circle).



Connect the wiper harness and the washer harness with the supply harness in the inner dashboard space.

HEATER

Place the heater holder onto the bottom dashboard part (under the central drink holder).
Make marks onto the plastic wall in accordance with the holder and drill 3 holes $\varnothing 4\text{mm}$ (red circles).



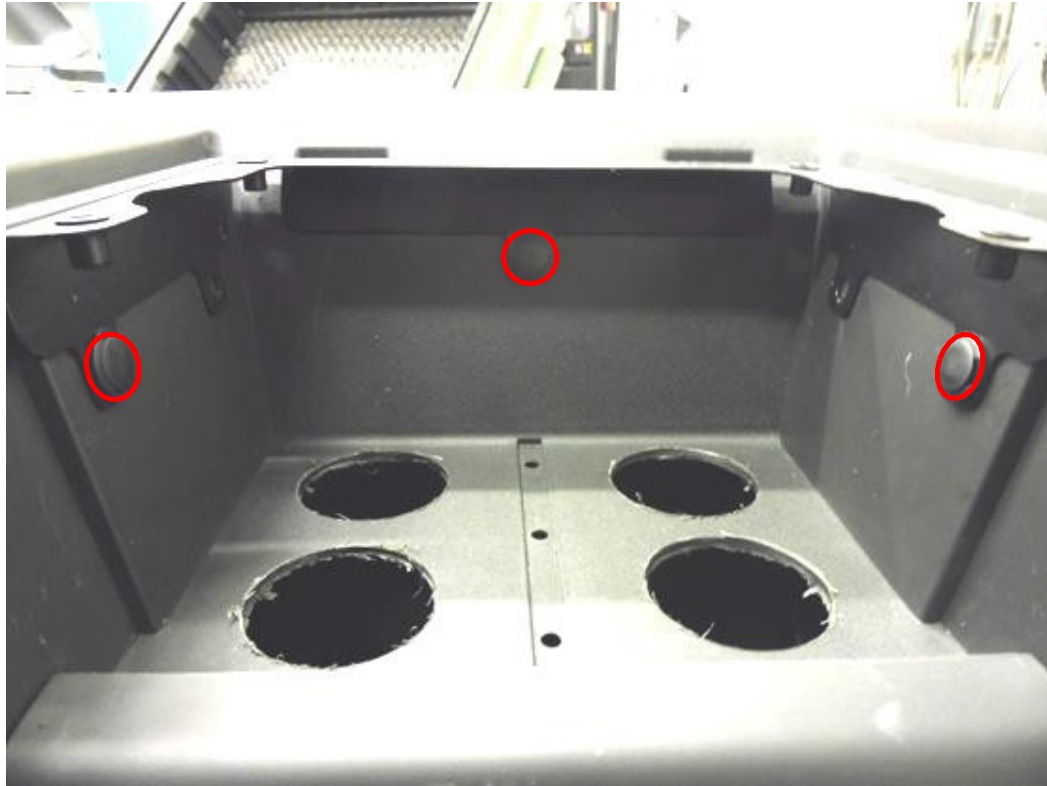
Uninstall centrall drink holder.
Drill 4 holes \varnothing 55mm (red circles) into the drink space bottom part.



Place the U holder onto the dashboard. Make marks onto the walls in accordance with the holder.



Drill 3 holes $\varnothing 8$ into the marks centers. Place the U holder back and fix by included plastic rivets.



Place the heater assembly onto the dashboard wall and fix by included self-tapping screws and washers.



Stretch the air hoses through the holes.



Place the heater harness under the dashboard. Run the heater harness branch and switches back to the heater. Drill 2 holes $\varnothing 20\text{mm}$ into the drink space bottom part. Stretch the switch harness branches through that holes.



Place the upper cover onto the holder. Stretch the airhoses throught the cover holes.
Install the airhose to the difusors by tightening straps.



Connect the switches with the harness branches.



Drill 2 holes $\varnothing 25\text{mm}$ near the heater holder and stretch the heater hoses through the holes.



Place the tightening straps to the hoses. Insert the hoses to the heater tubes and tighten straps.



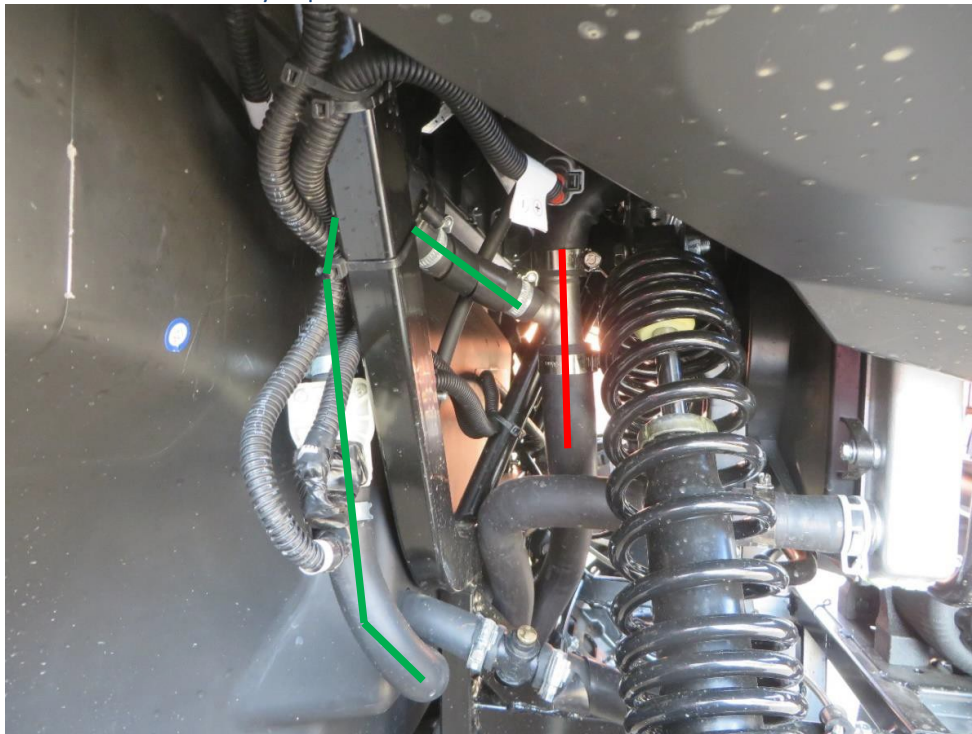
Connect the heater with the heater harness.
Run the heater harness vent branch to the machine left side. Stretch the harness through the original hole and run the harness to the right side. (LEFTRIGHT SIDE VIEW)



(RIGHT SIDE VIEW)



Secure the vertical original hose (red line) by clamps. Cut the original hose and insert the tightening straps. Insert the „Y“ tube connected with pump heater hose (green line). Tighten the straps hard. It is very important to install tube in correct orientation.



Secure the horizontal original hose (blue line) by clamps. Cut the original hose and insert the tightening straps. Insert the „Y“ tube connected with air bleeding valve hose (yellow line). Tighten the straps hard. It is very important to install tube in correct orientation.



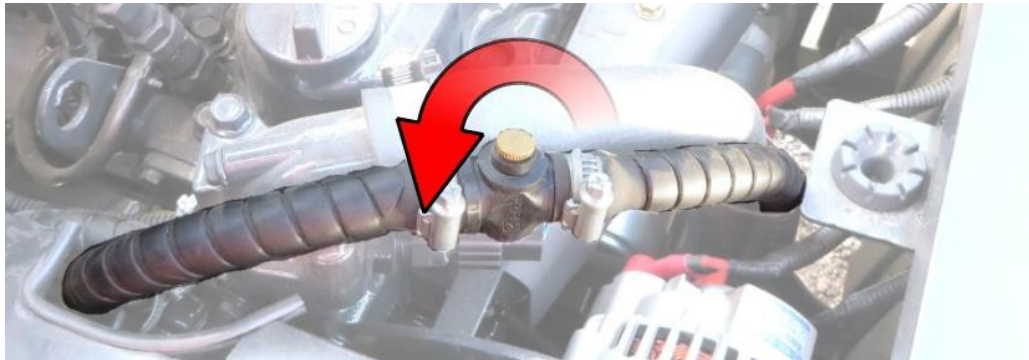
Connect the heater harness branch with the electrical vent and with the pump.
It is strongly recommended to isolate connection on the el. vent by self glued isolating tape (or similar system of isolation).



Connect the heater harness with the supply harness.

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.

FRONT PANEL

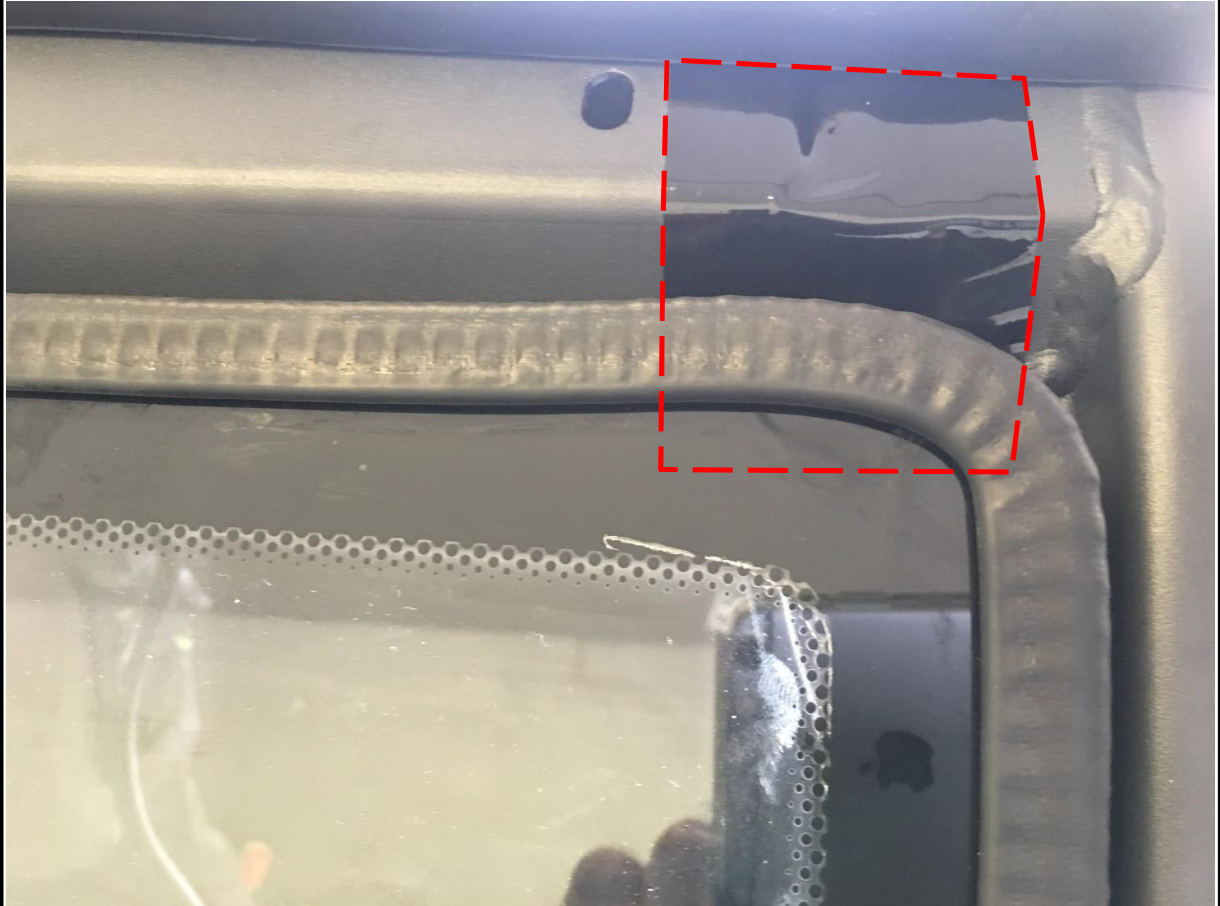
Prepare the front panel sealing stickers for application.



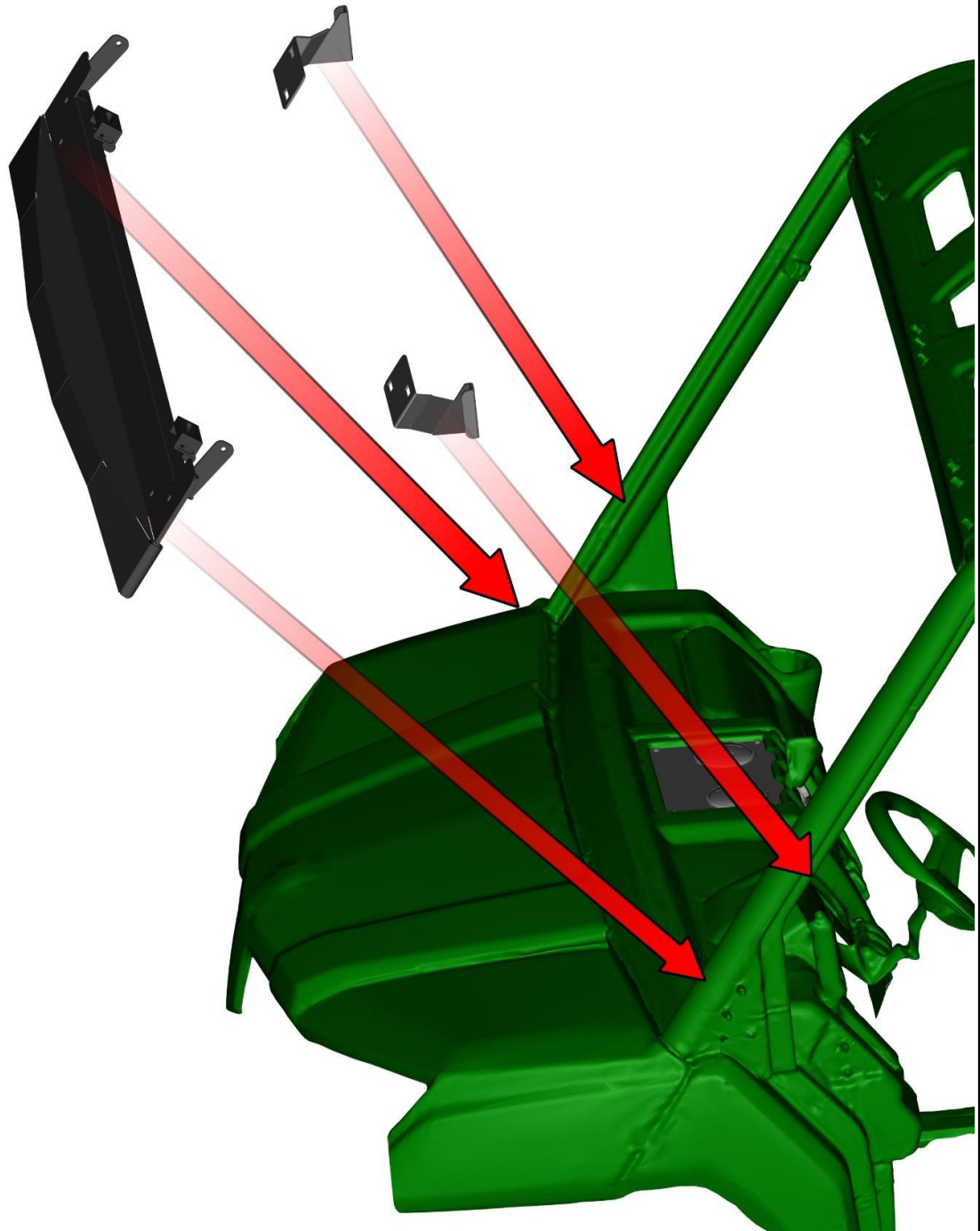
Degrease the surface of the UTV frame where the sealing sticker will be affixed. Stick the sealing sticker on the UTV frame as shown below.



Degrease the surface of the UTV frame where the sealing sticker will be affixed. Stick the sealing sticker on the UTV frame on the other side as shown below.



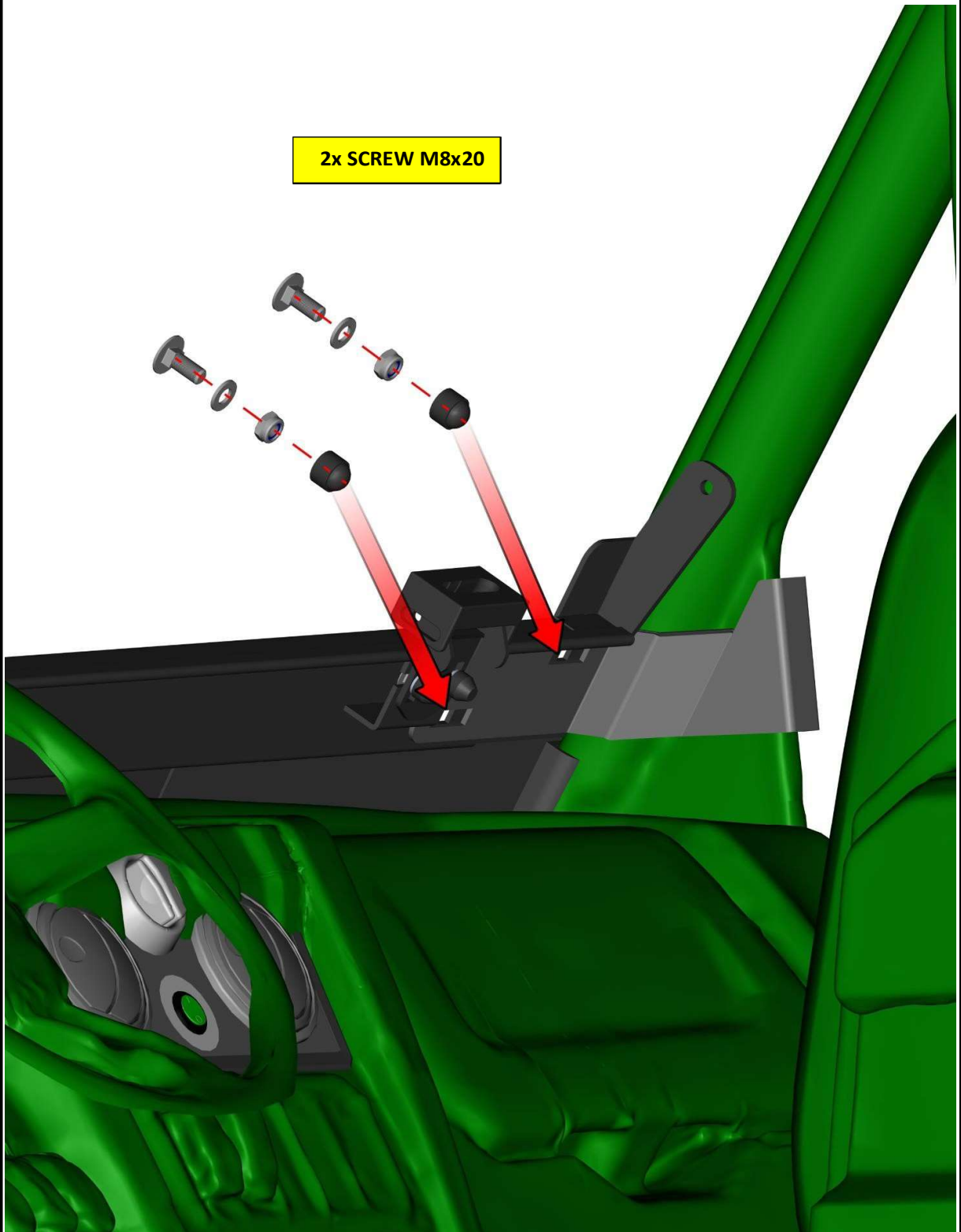
Place the front ledge onto the machine dashboard.
Place the front holders onto the frame and onto the front ledge.



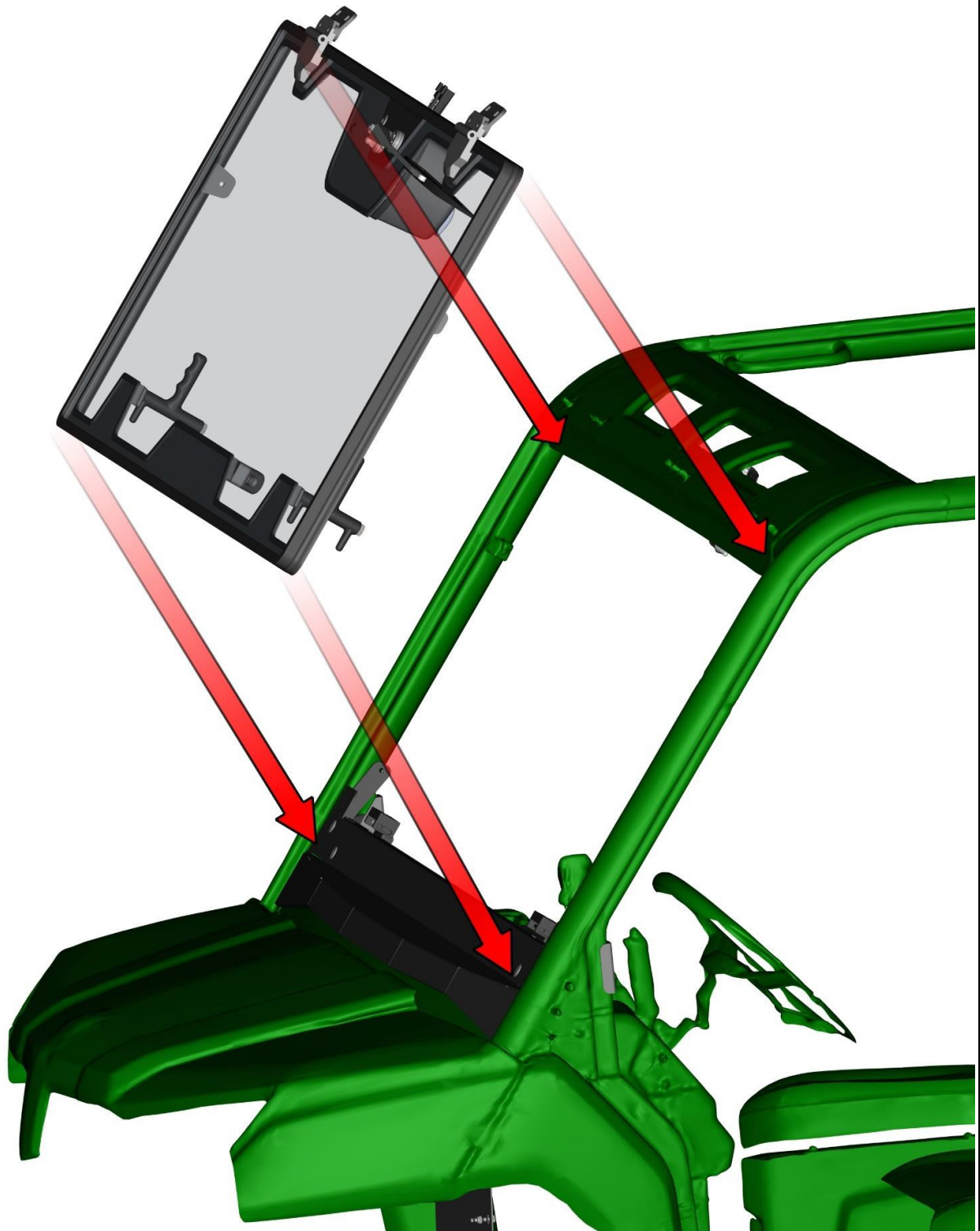
27

Fix the ledge with the holder to the frame by included screws, washers, nuts and covers.

2x SCREW M8x20

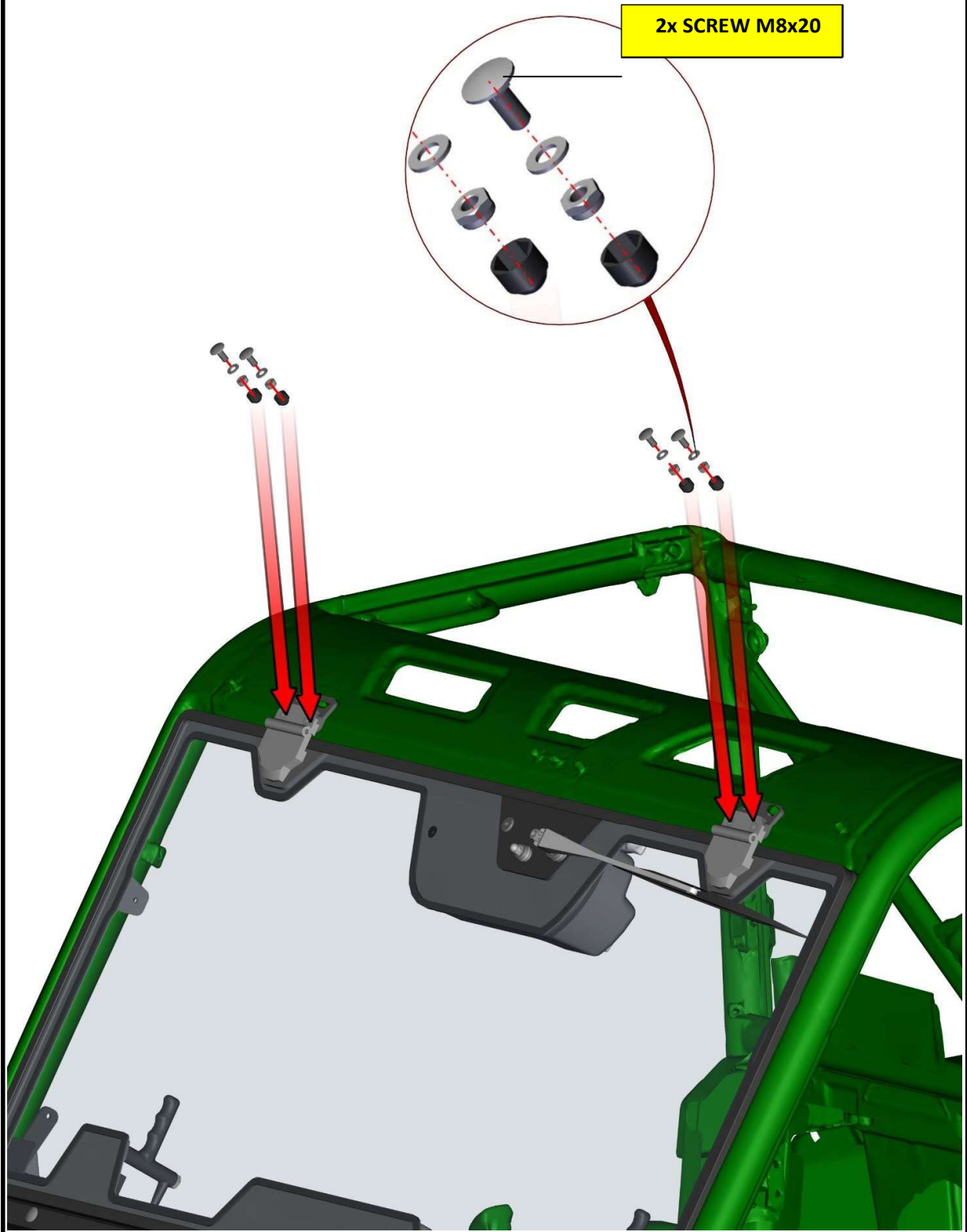


Place the front window assembly onto the machine frame and onto the front ledge.



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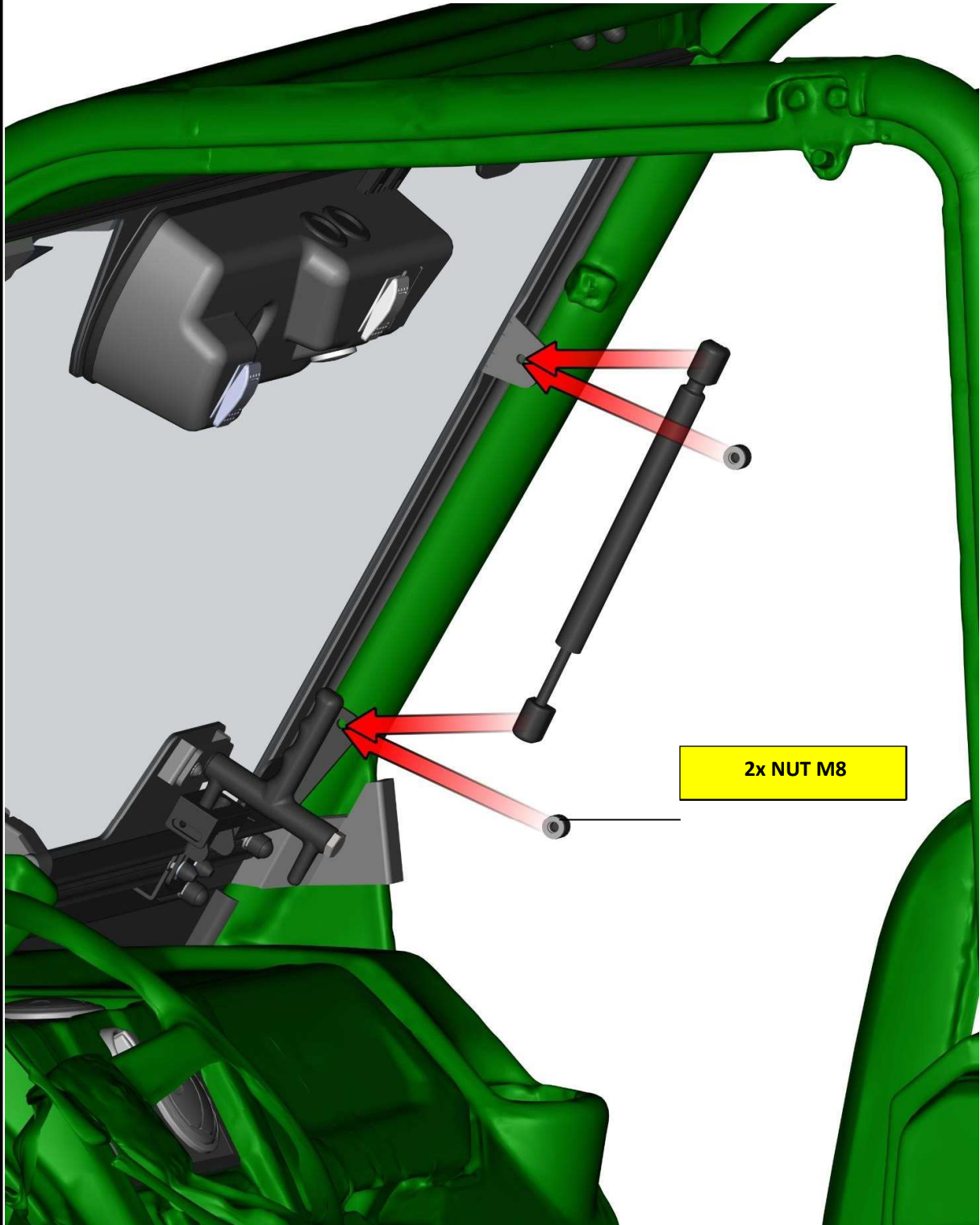
Fix the front assembly hinge with the machine frame by included screws, washers, nuts and covers.



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Install front gas spring into the gas spring holders and fix the gas spring by included nut, washer and cover. Repeat on other side.

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



Connect the washer harness and the wiper harness with the wiper assembly harness.

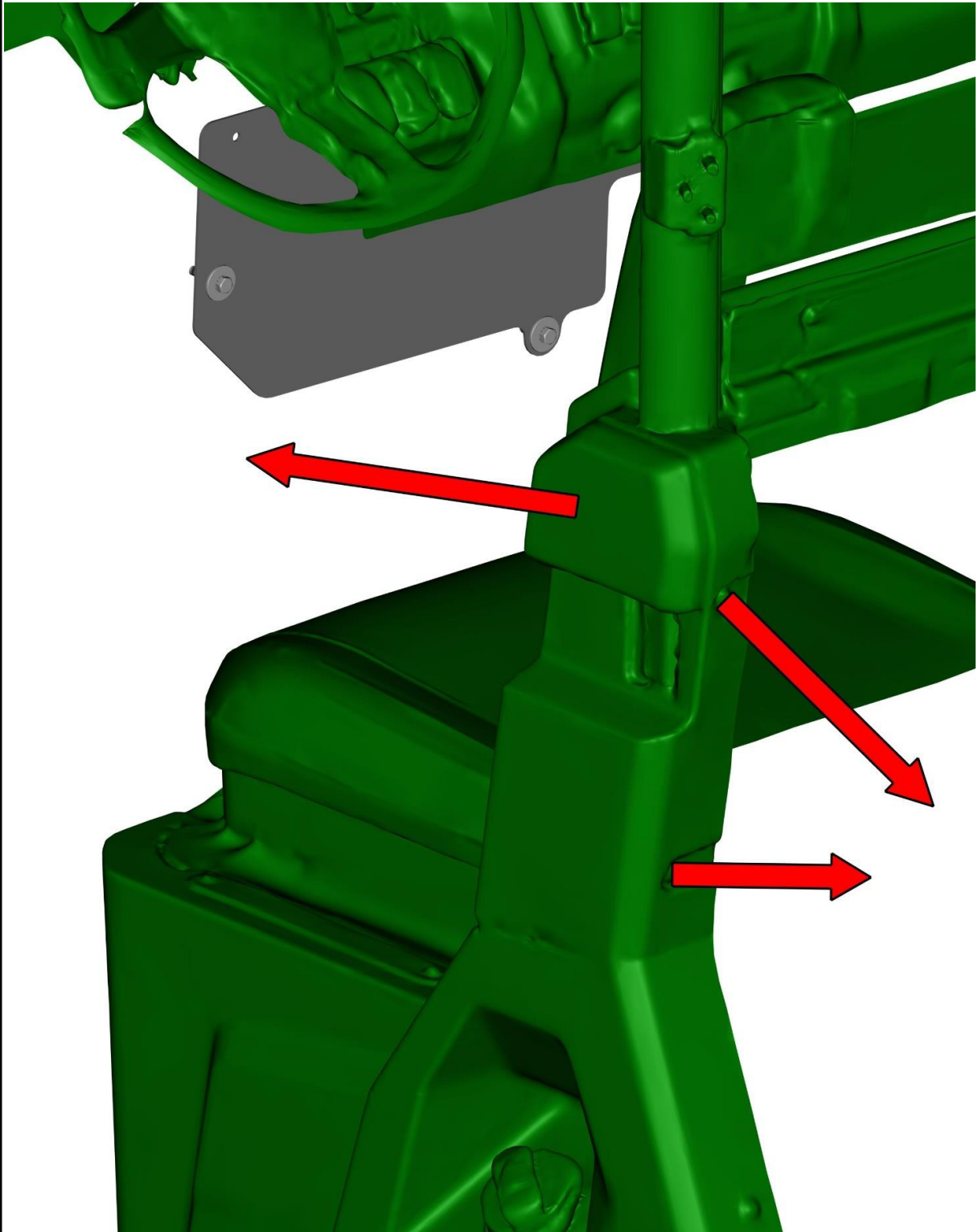


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Install inner mirror back to position.

LEFT DOOR + RIGHT DOOR 1.

Uninstall rear bottom original plastic cover (small cover, screw, plastic rivets, large cover). SEE NEXT PAGE

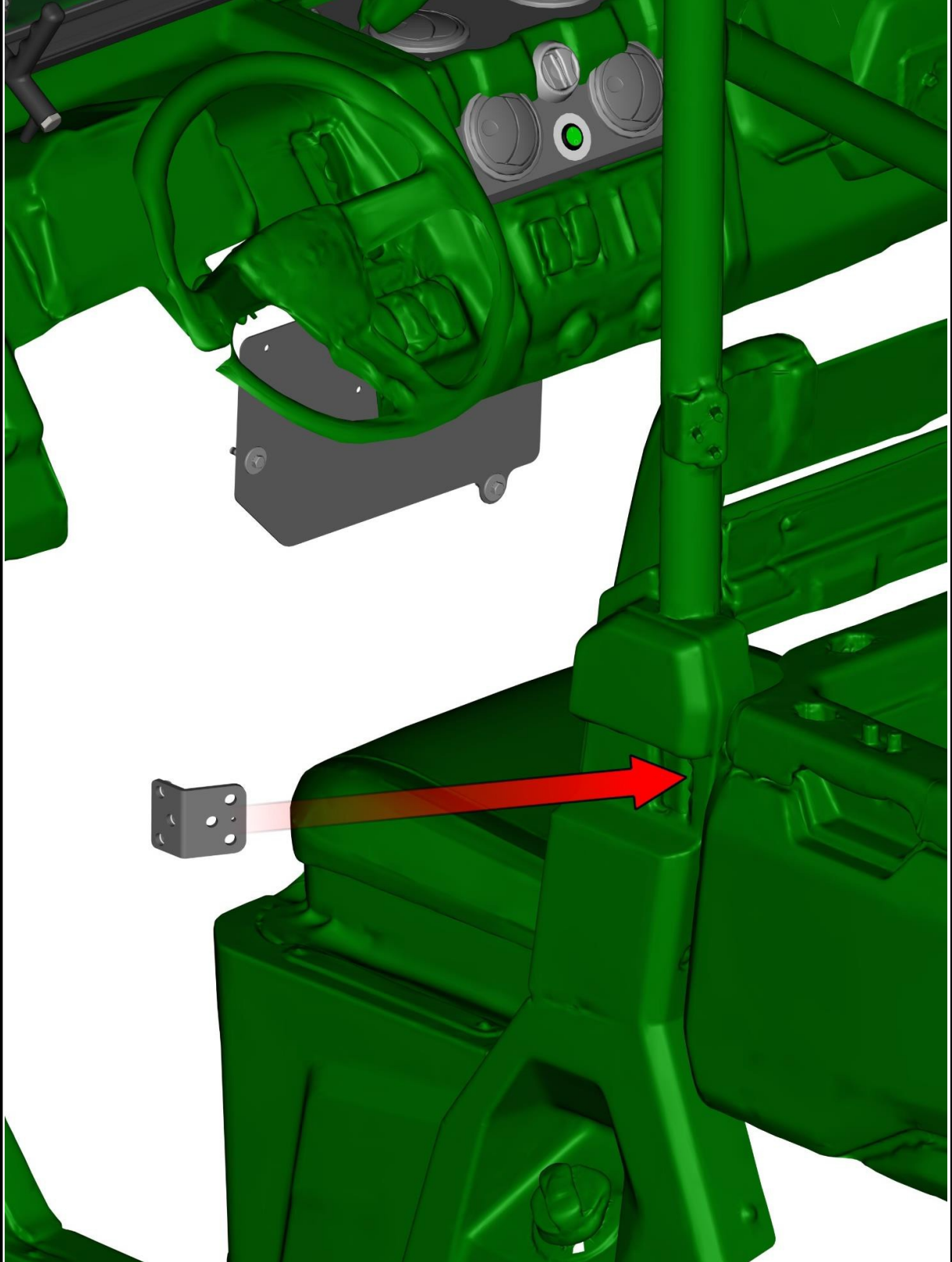


View onto the machine without the cover.



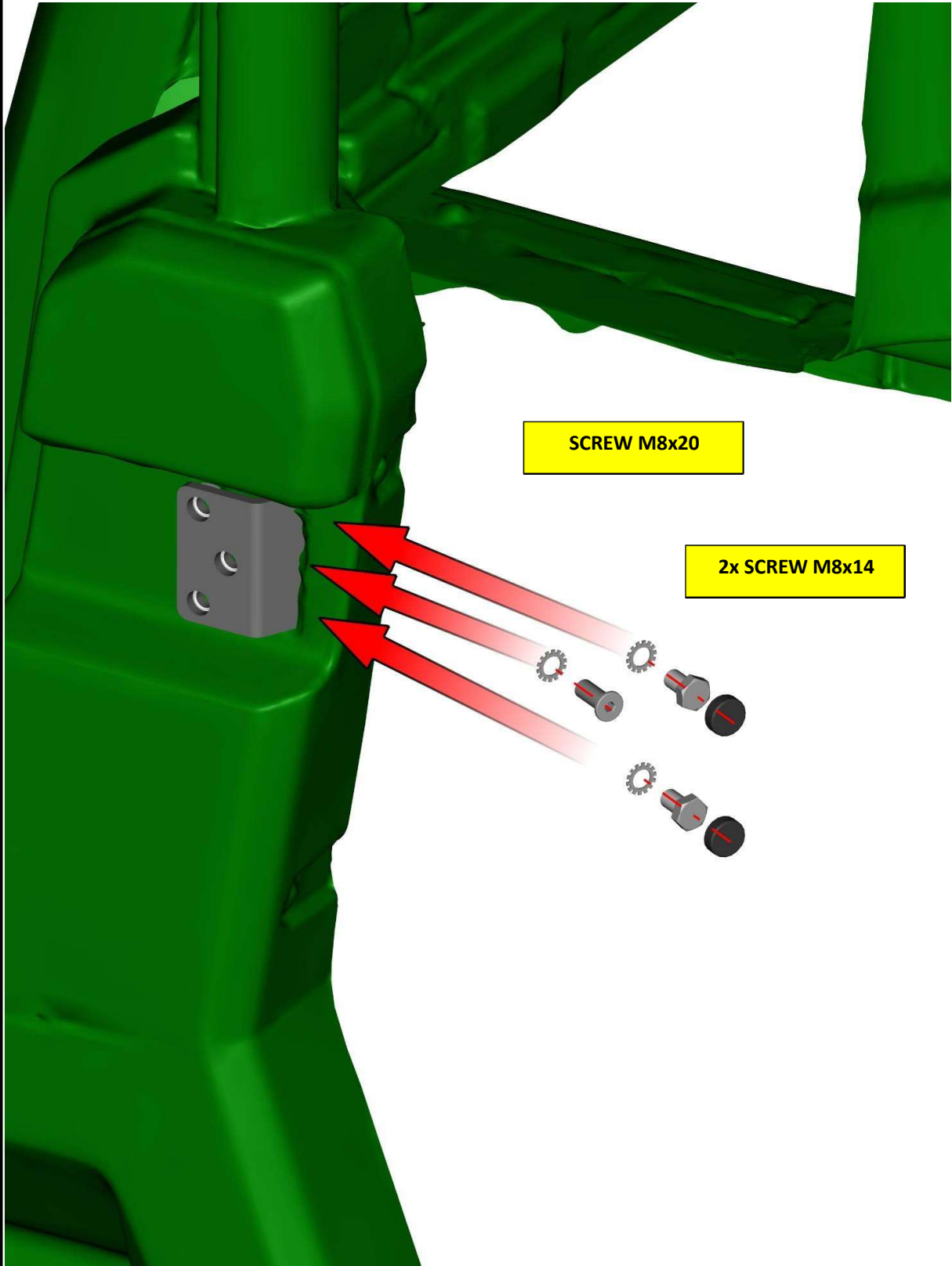
34

Place the left bottom hinge base onto the machine frame.

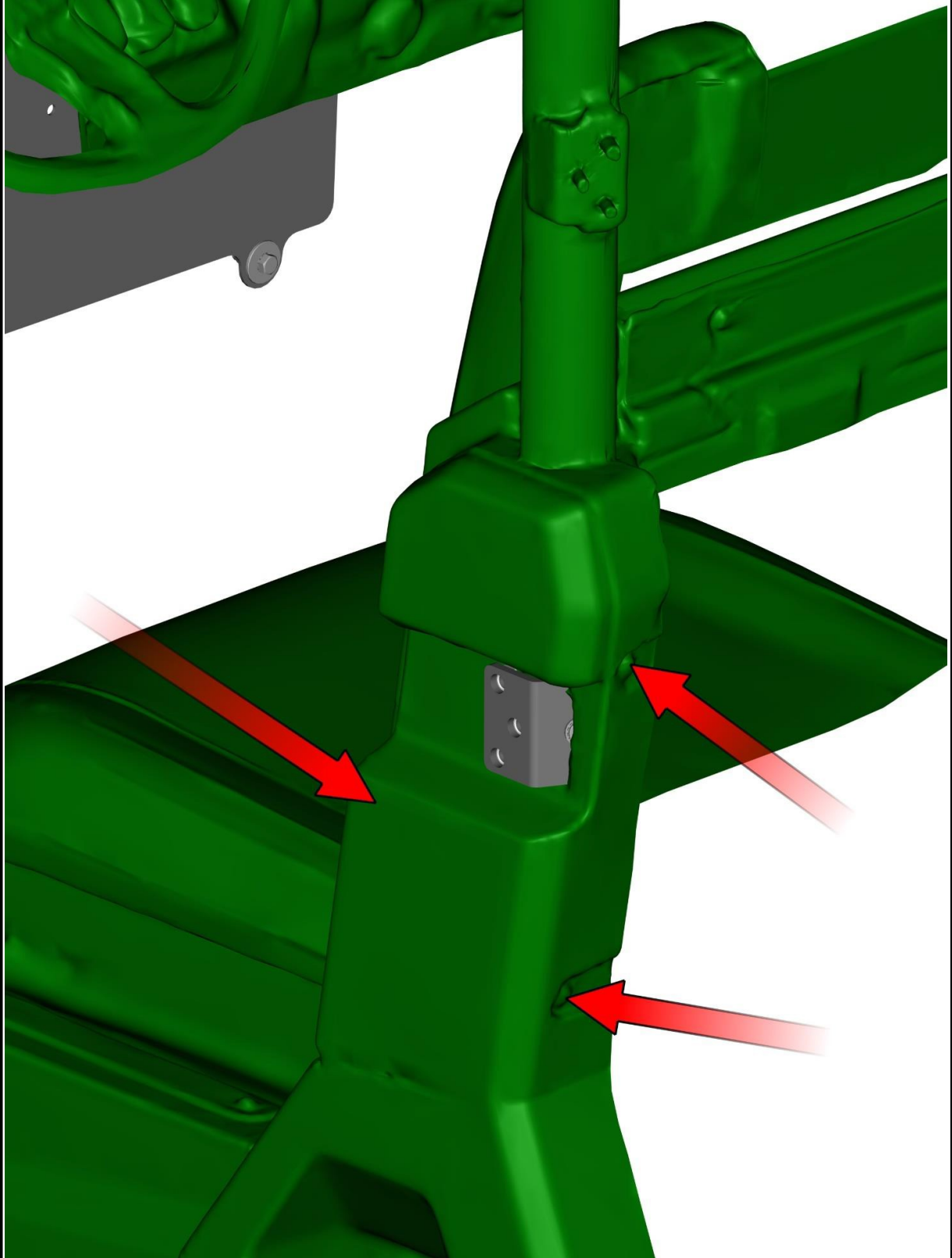


35

Fix the hinge with the frame by included screws, washers and covers.

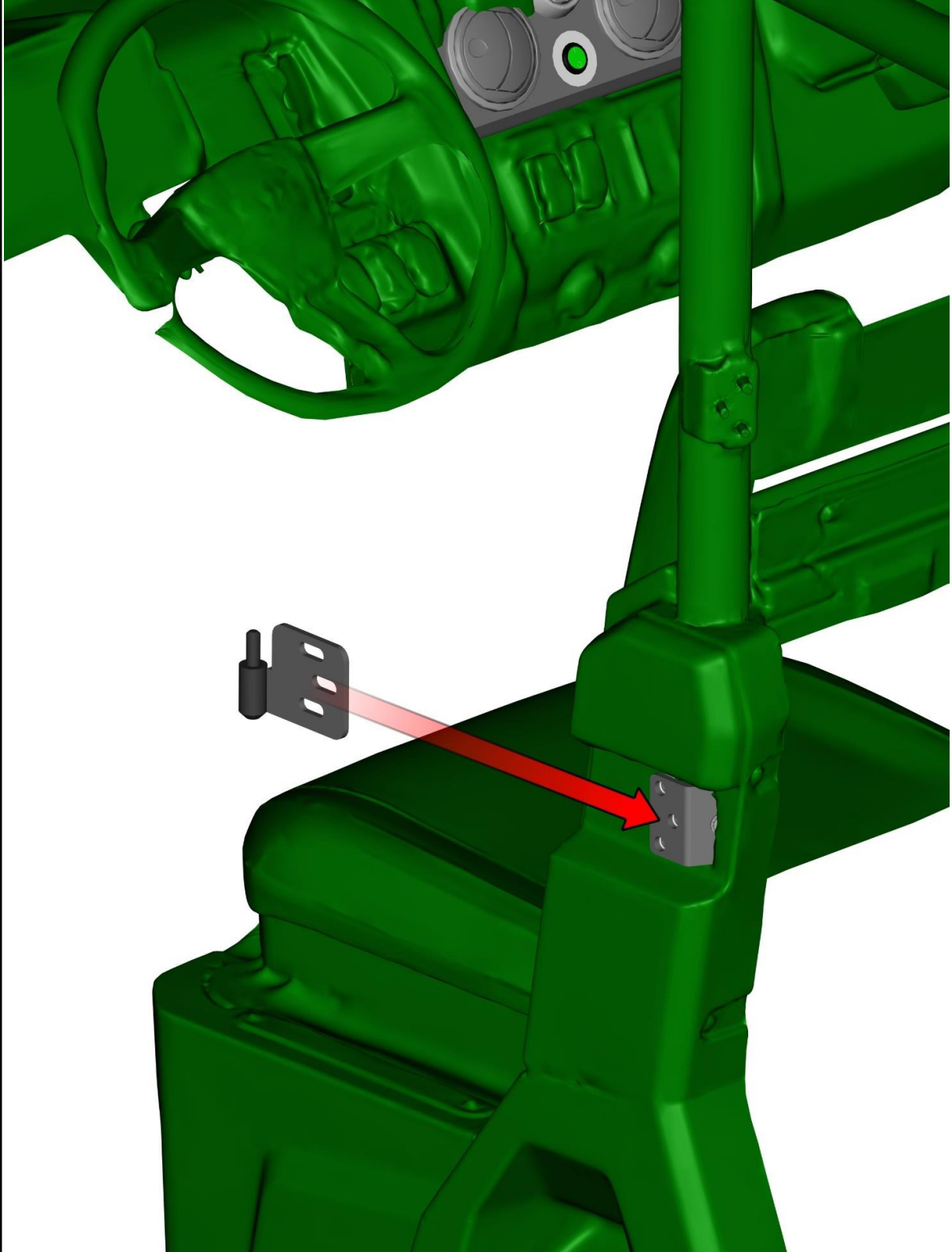


Install large plastic cover, screw and plastic rivet back to machine.



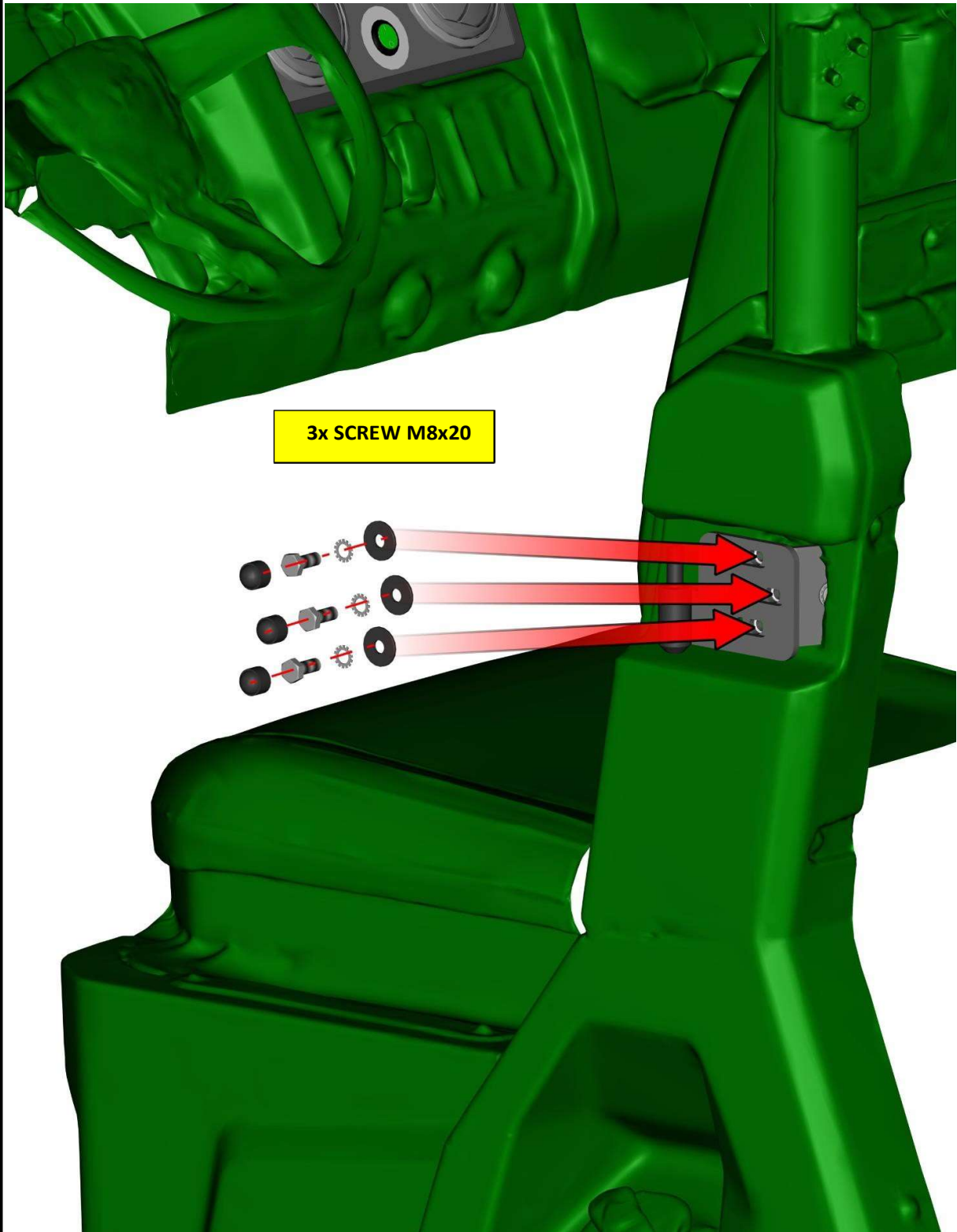
37

Place the left hinge onto the hinge base.



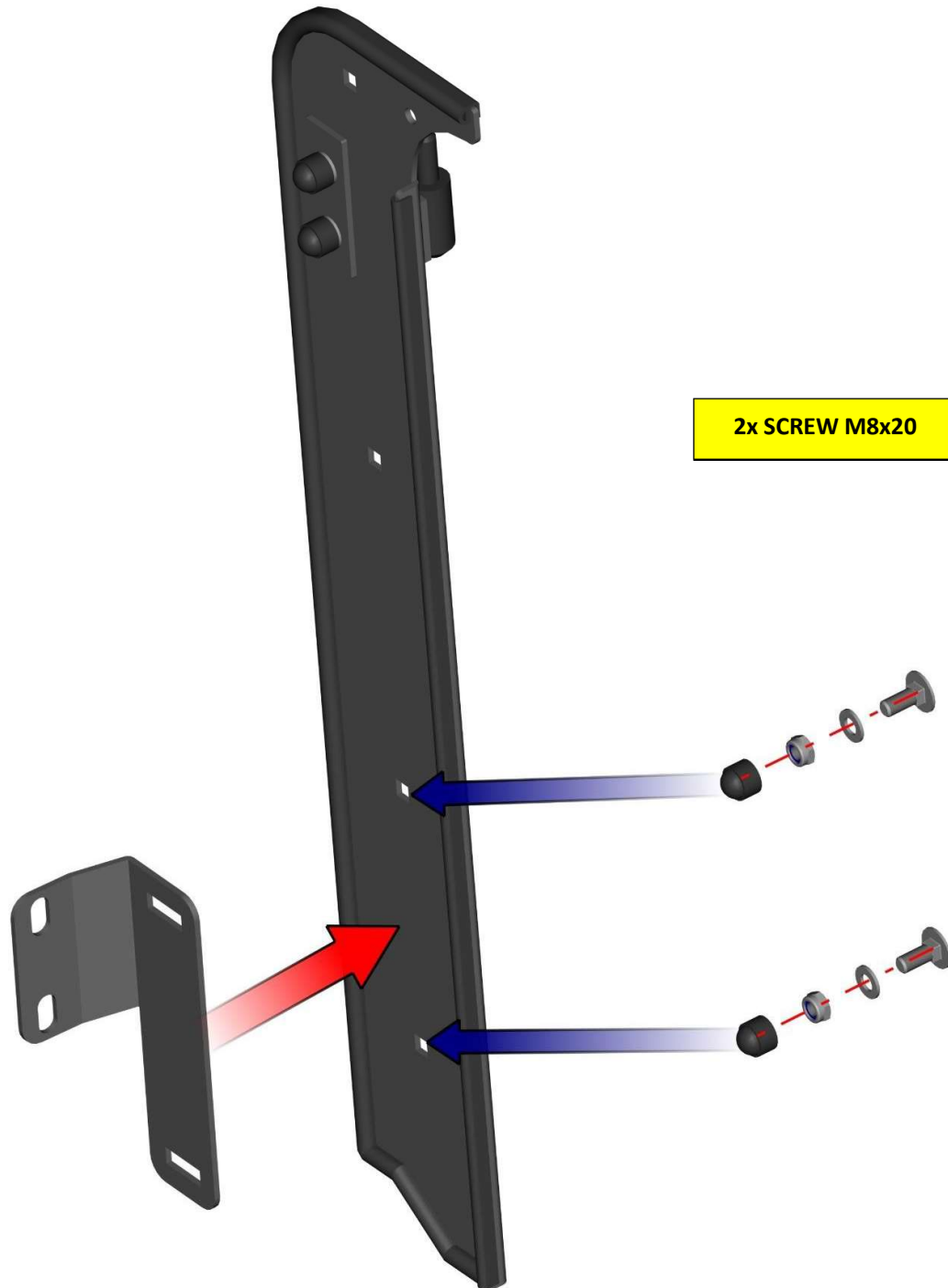
38

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



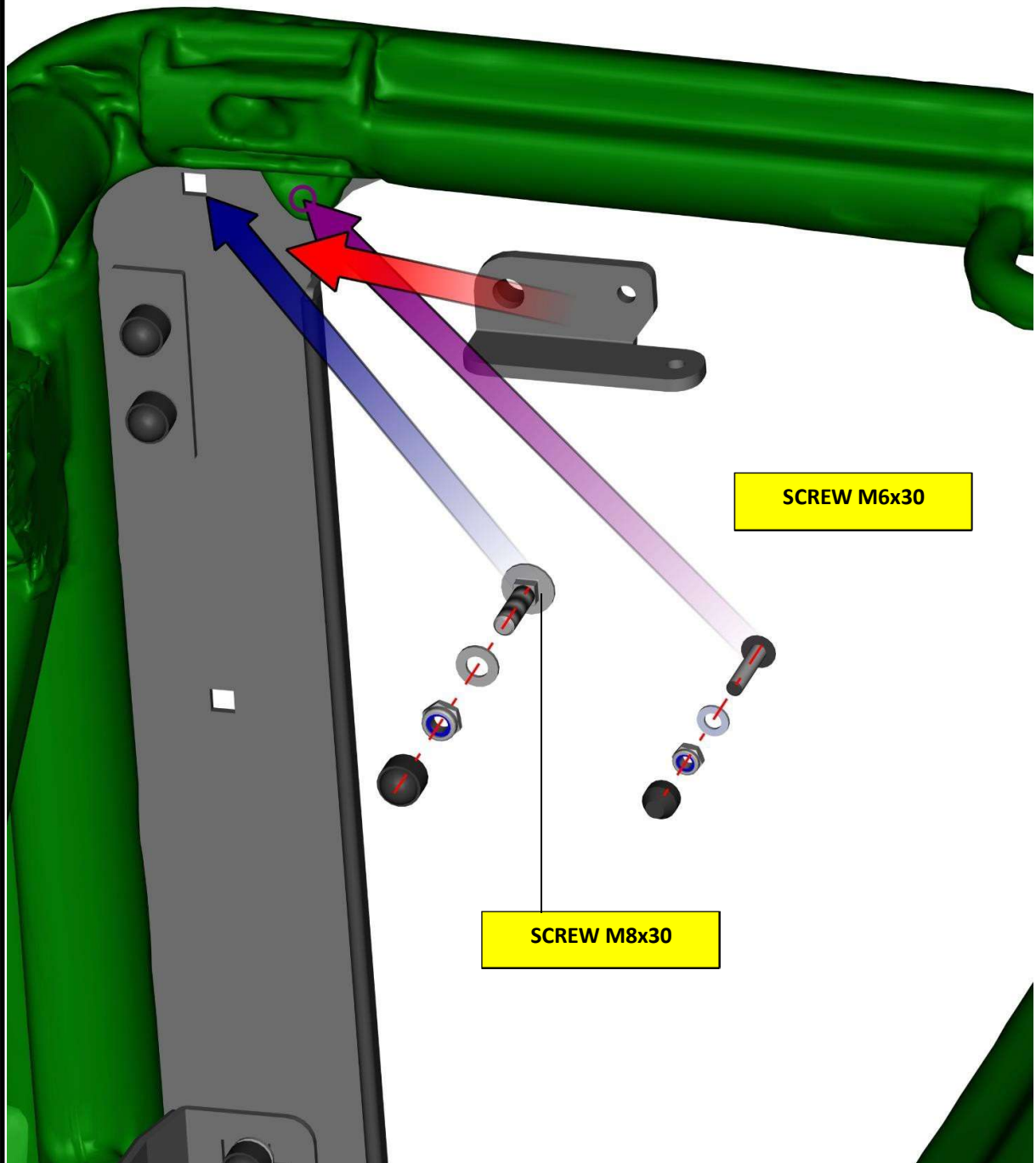
3x SCREW M8x20

Place the left bottom base holder onto the left base. Fix the holder with the base by included screws, washers, nuts and covers

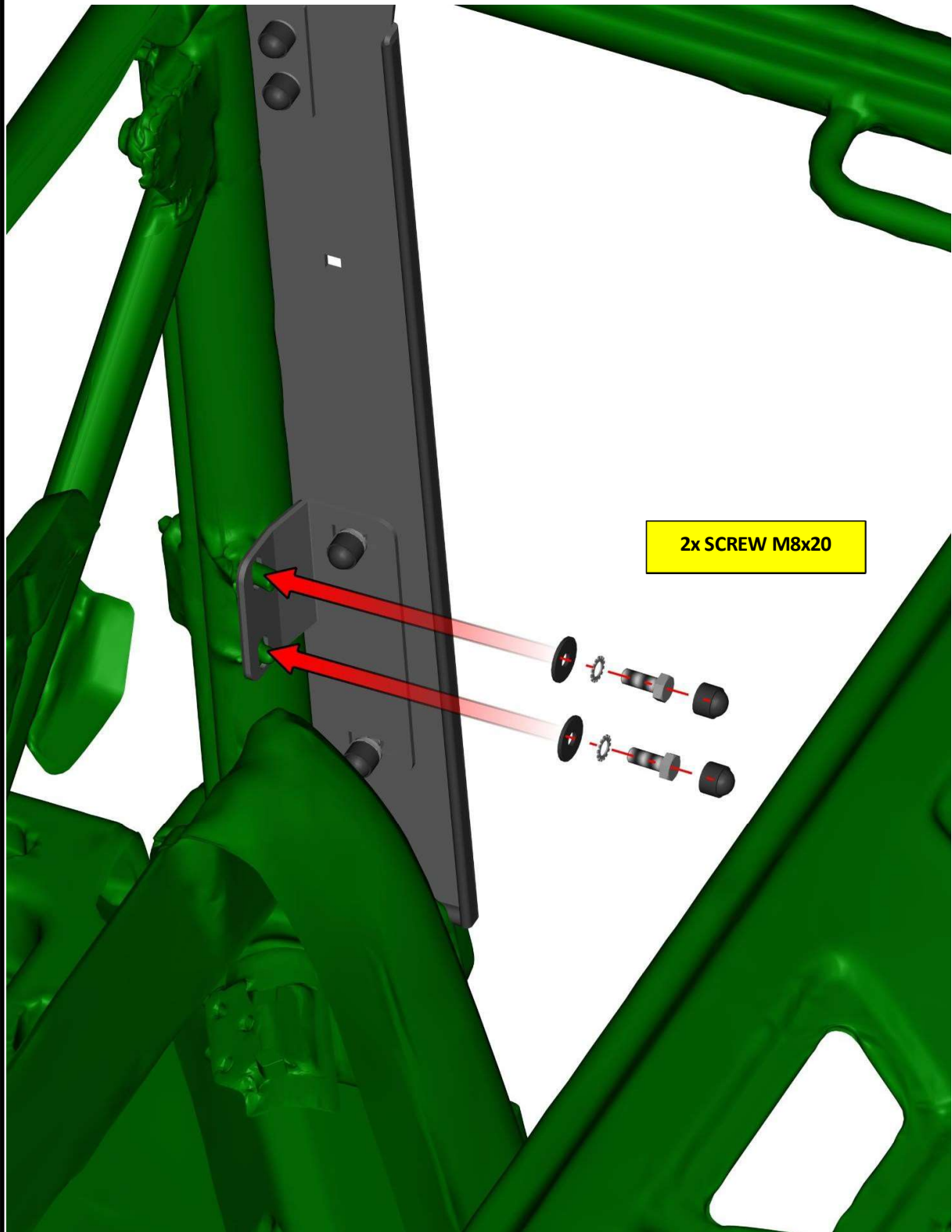


40

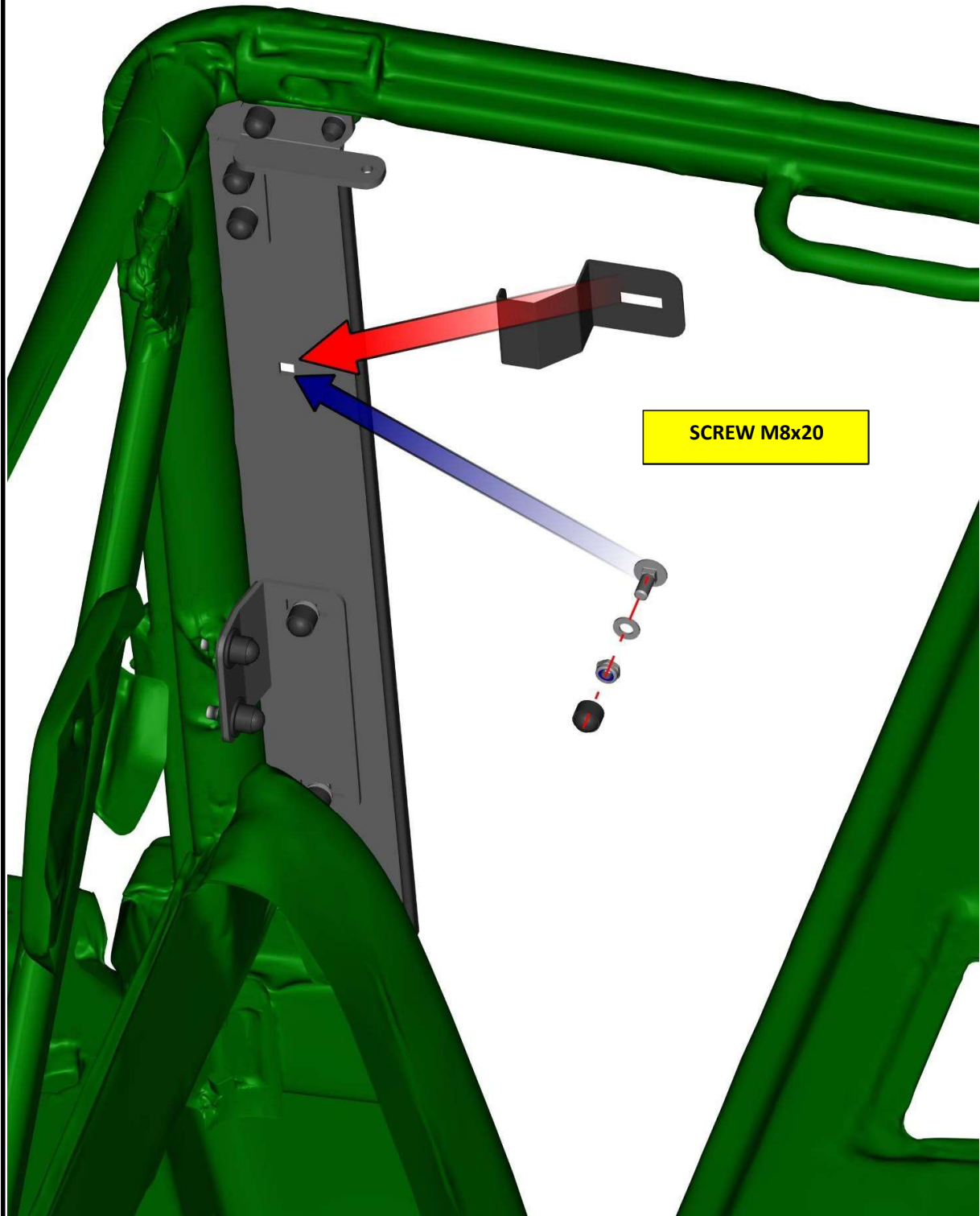
Place the upper base holder onto the base and onto the machine frame.
Fix the holder with the base to the frame by included screw, washer, nut
and cover, use original fixing point (violet mark).
Fix the holder with the base by included screw, washer, nut and cover.



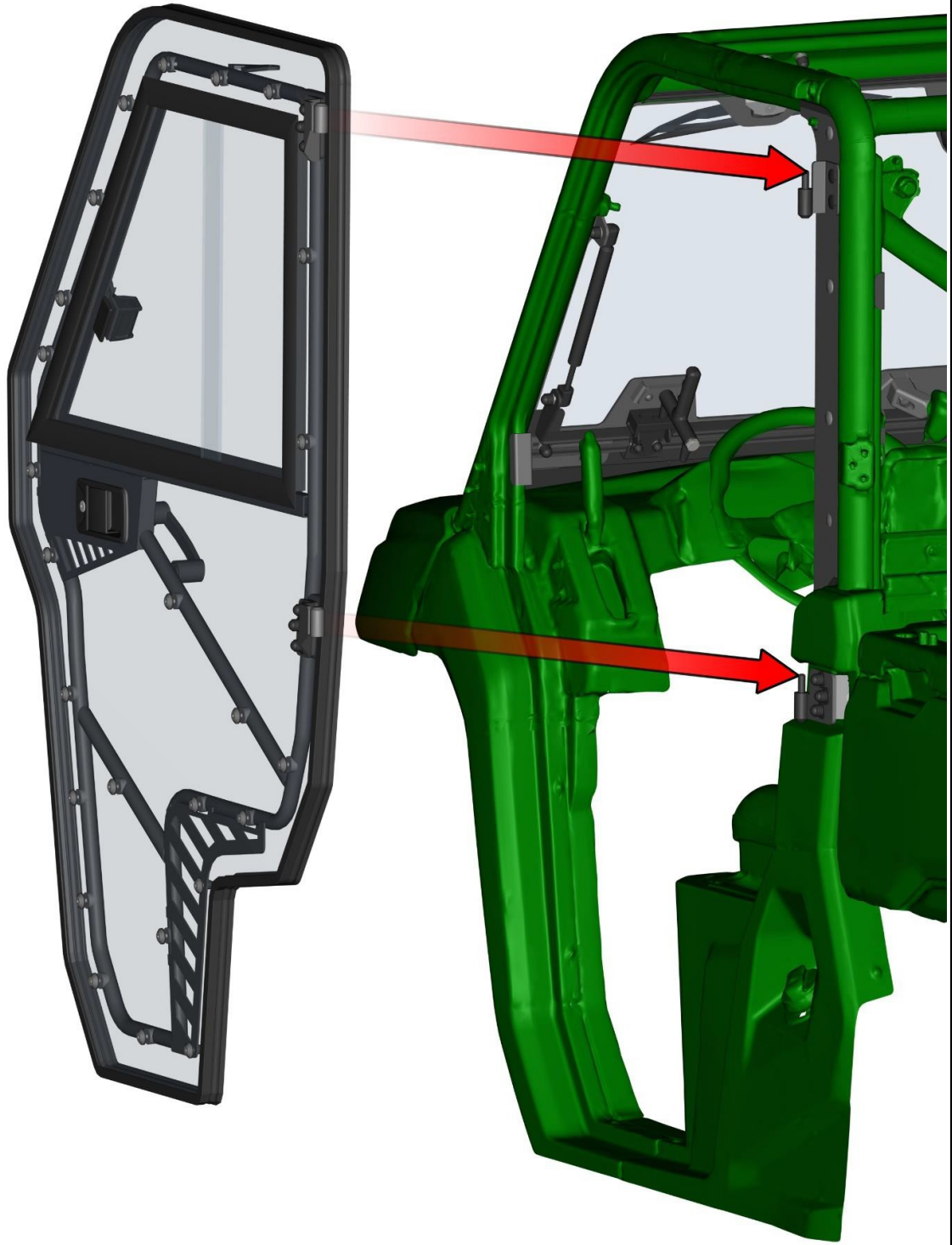
Fix the bottom base holder with the machine frame by included screws, washers and covers.



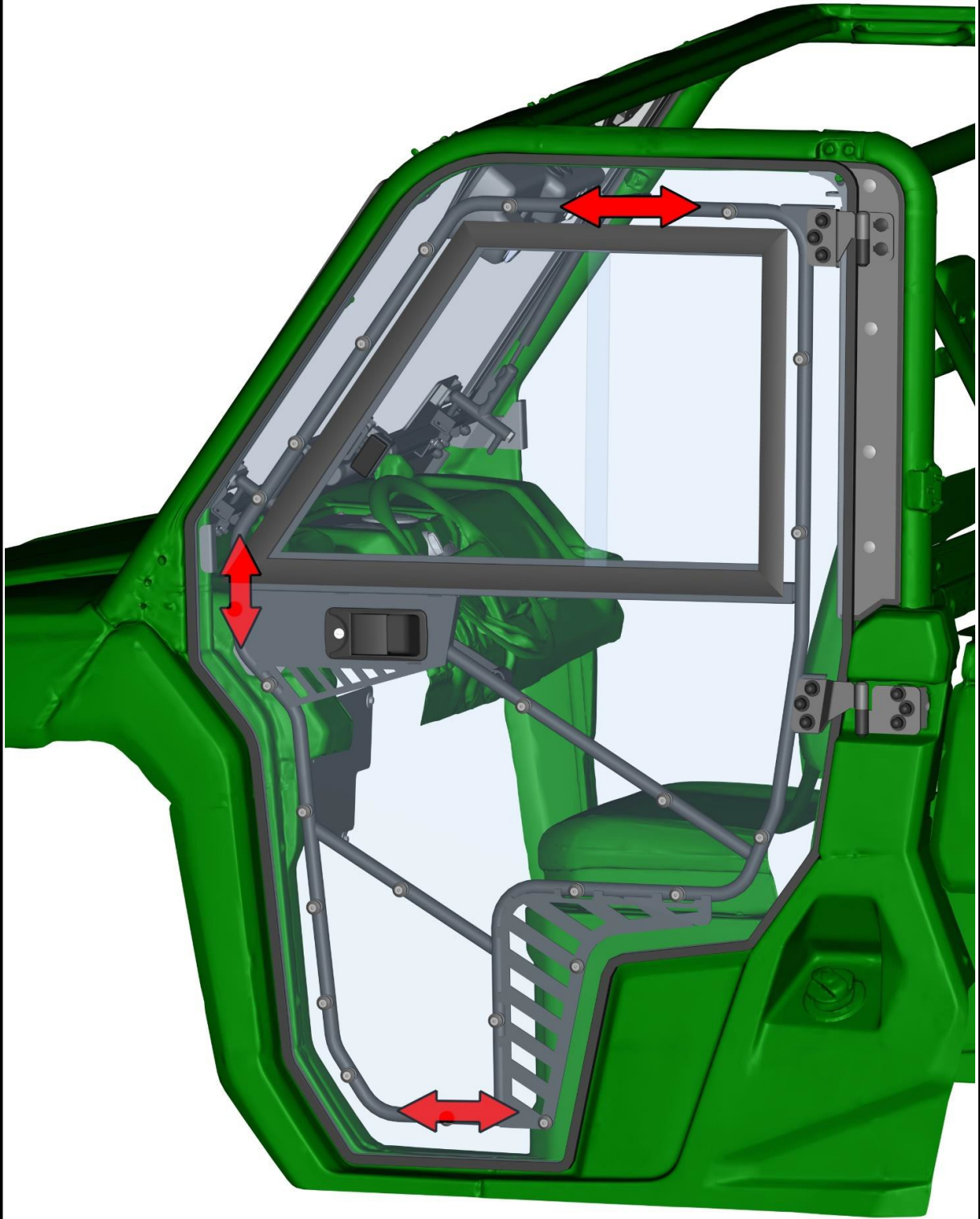
Place the base upper holder onto the base and onto the machine frame.
Fix the holder with the base to the frame by included screw, washer, nut
and cover.



Place the left door assembly onto the door hinges.

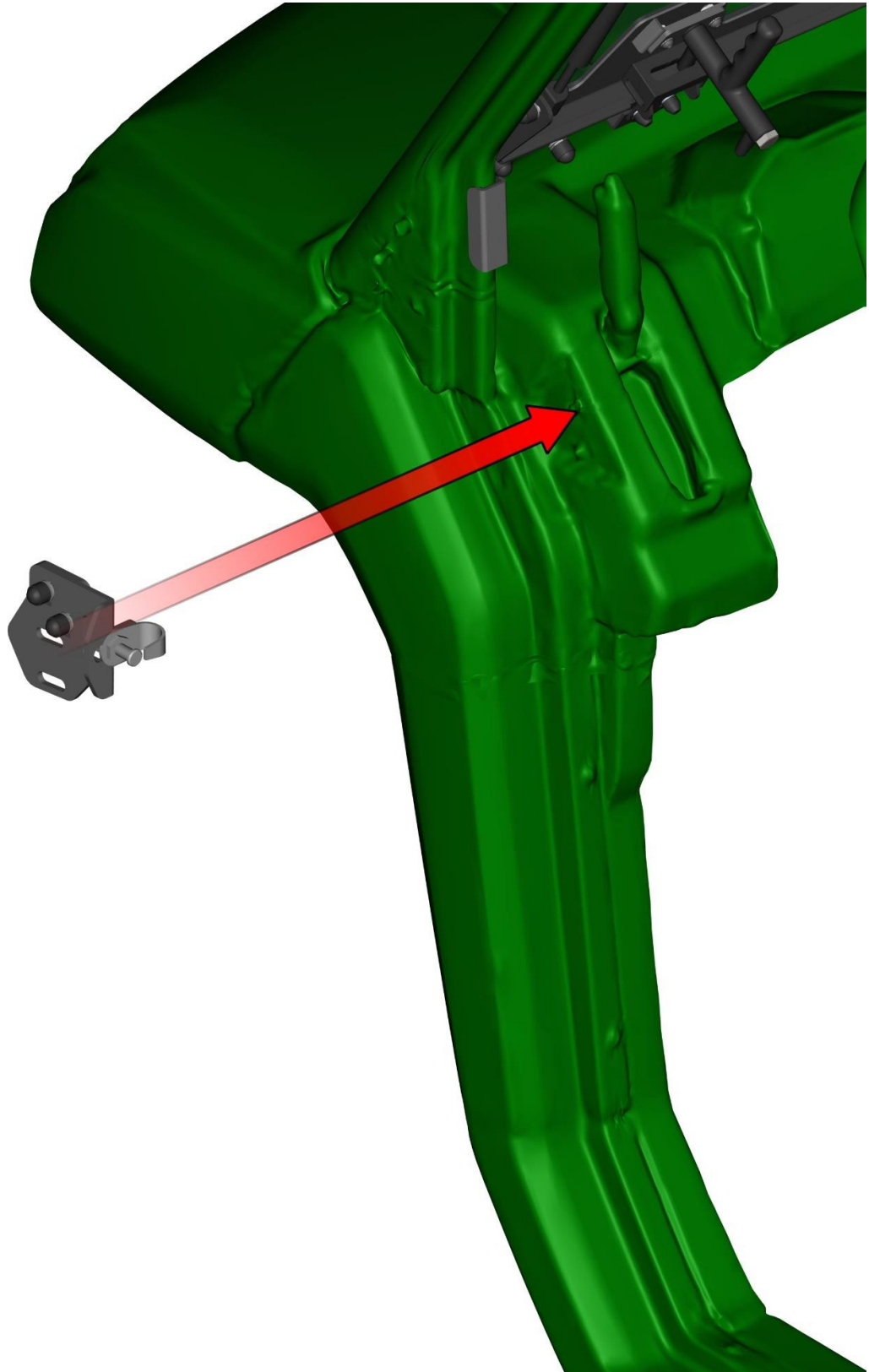


Adjust the door assembly to best position and tighten hinges screws.

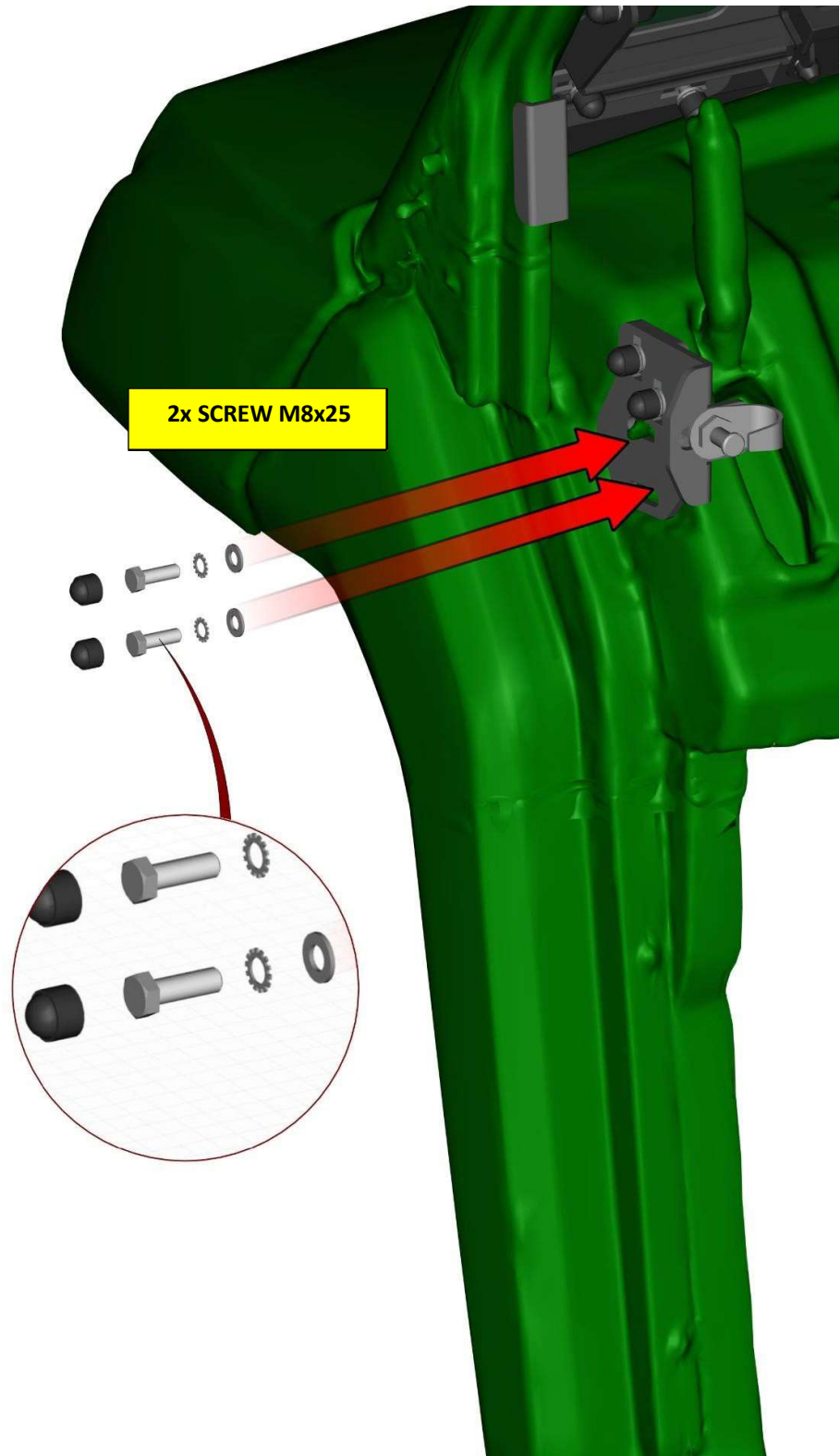


45

Place the left door stop holder assembly onto the machine dashboard.



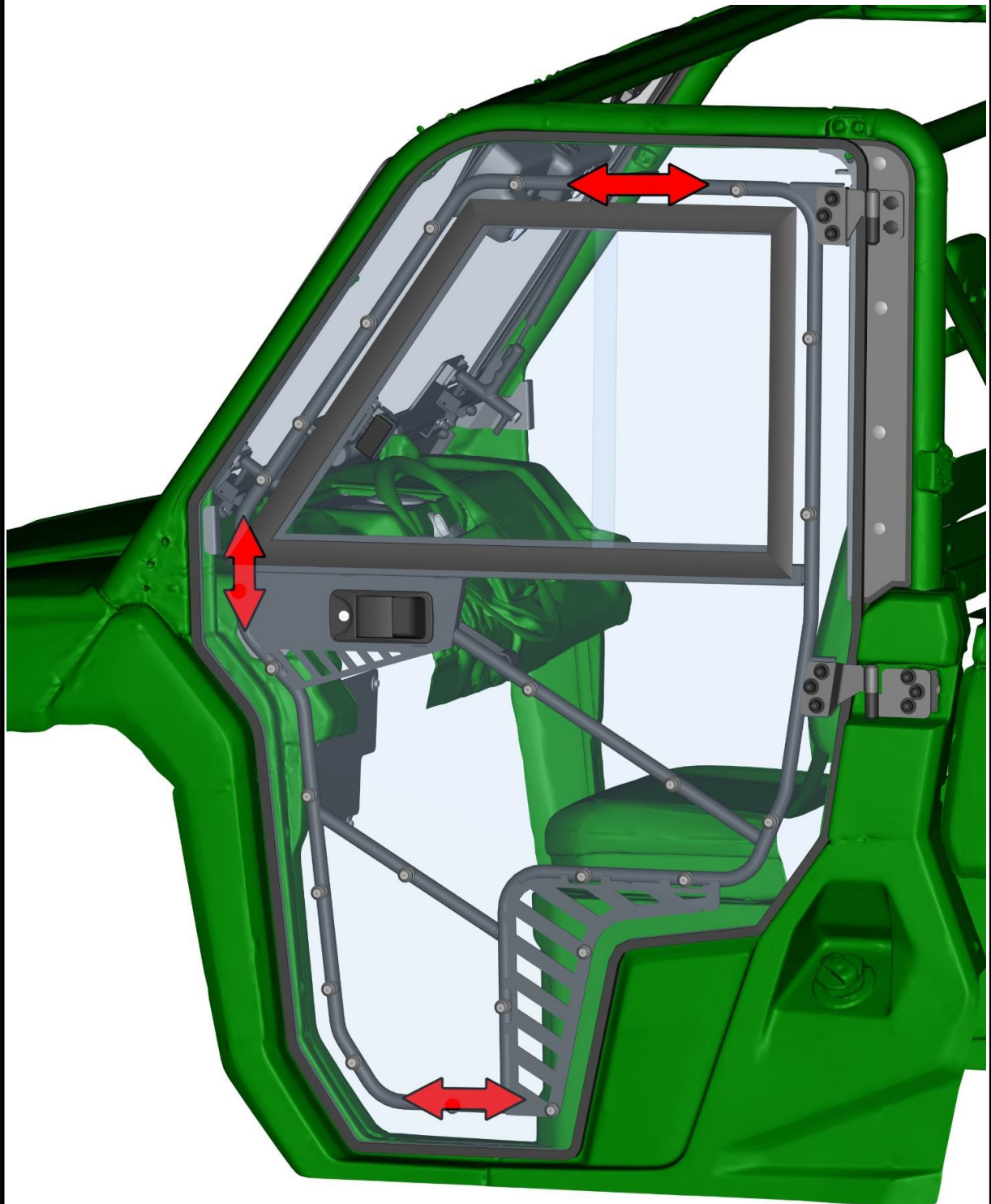
Fix the door stop assembly with the machine by original fixing points and included screws and washers.



Adjust the door stop holder and door stop to the best position with the door.
If you have adjusted the door stop correctly, when you close the door you will hear
2 clear metallic clicks.

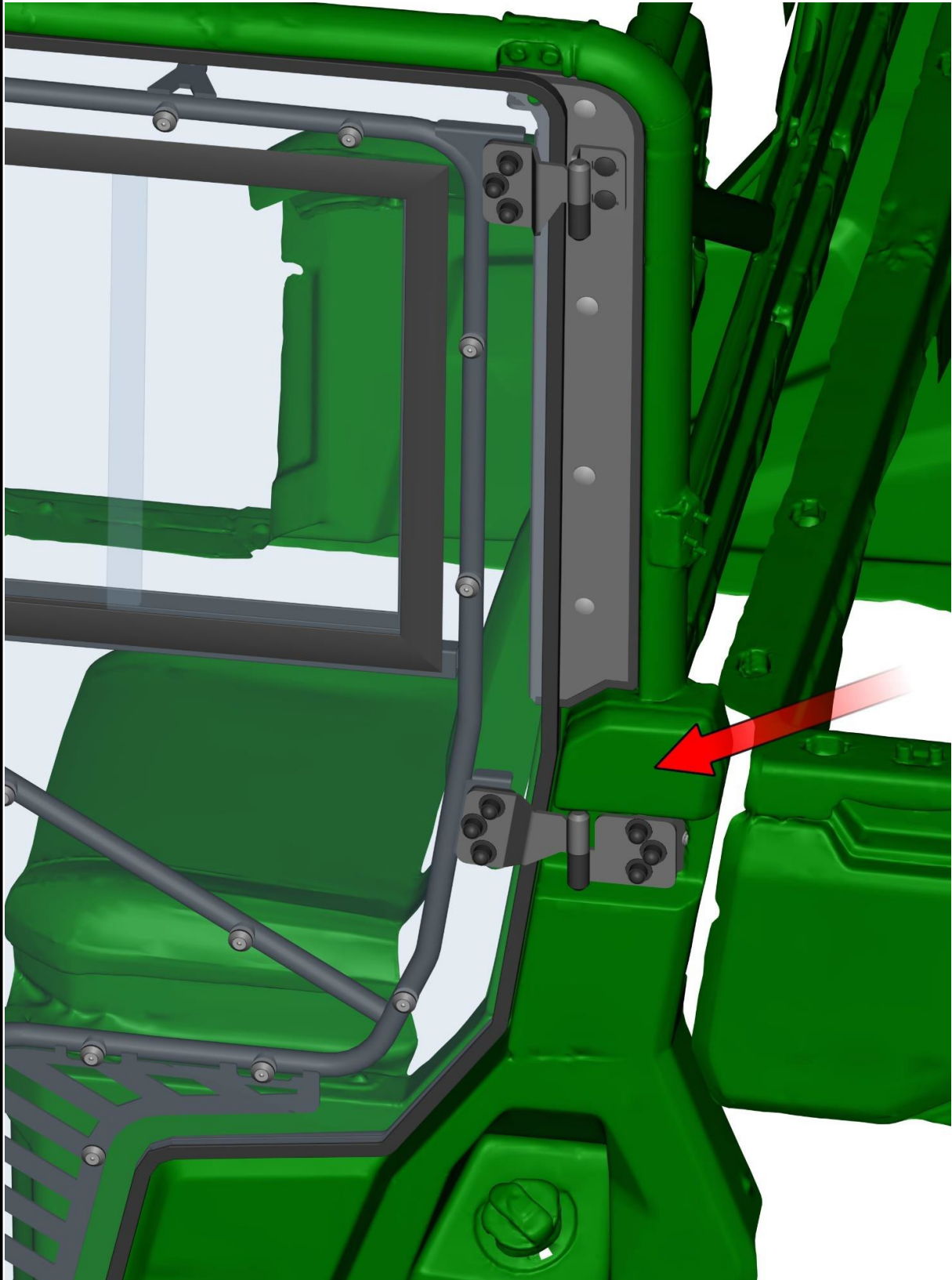


Adjust the door assembly, hinges and door stop assembly and tighten screws hard.



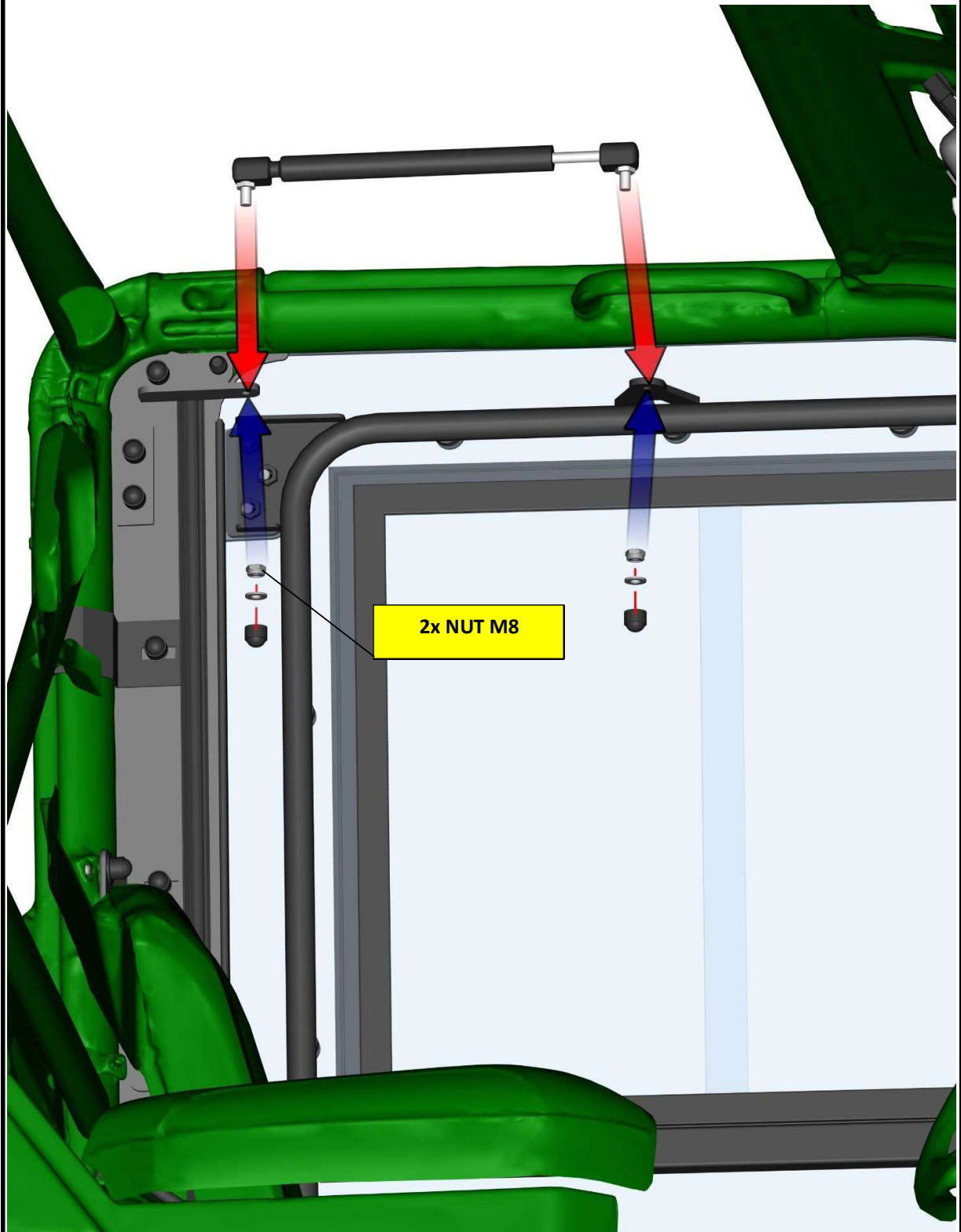
49

Place small cover back onto machine.

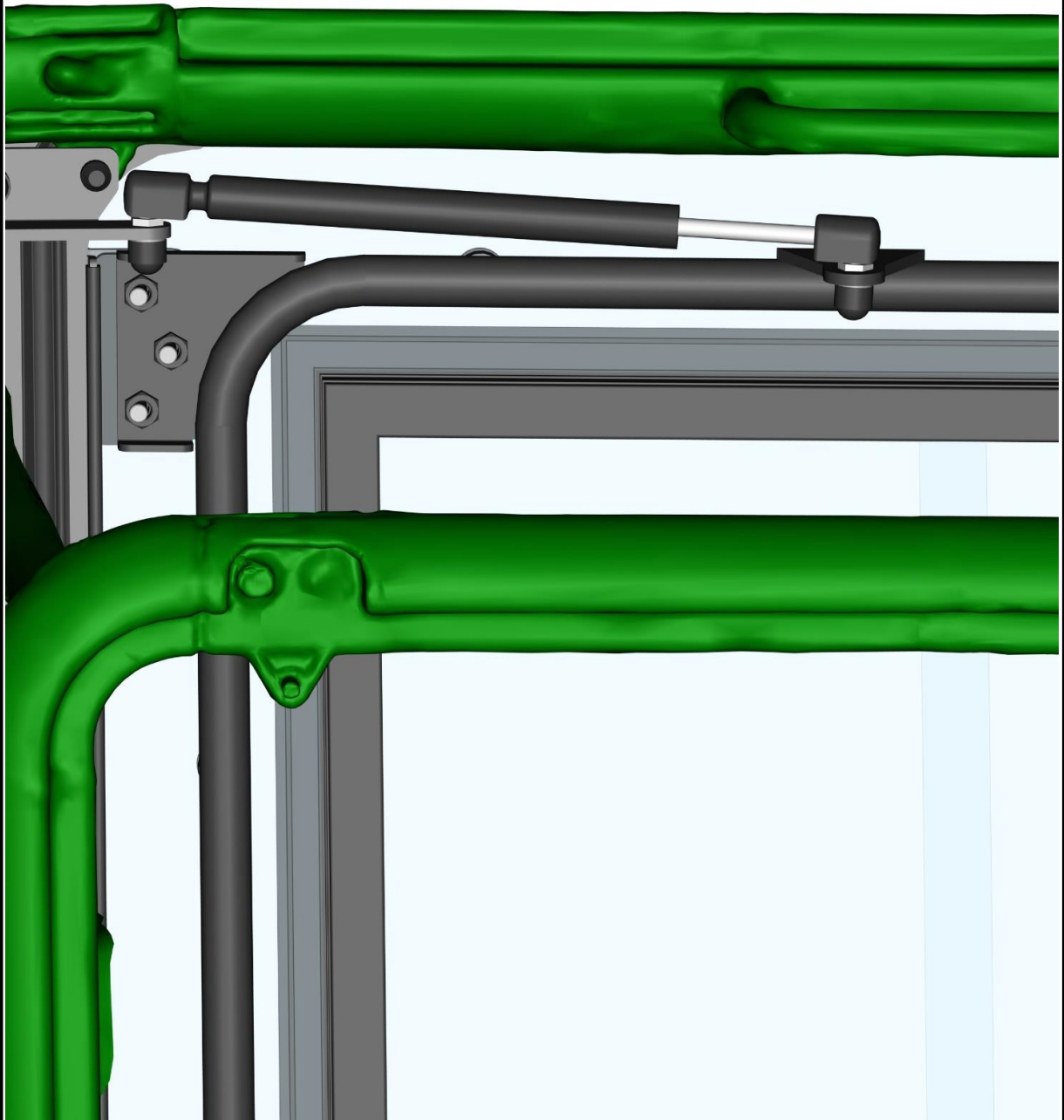


50

Install gas spring onto the gas spring holder and fix gas spring pin by included nuts, washers and covers.

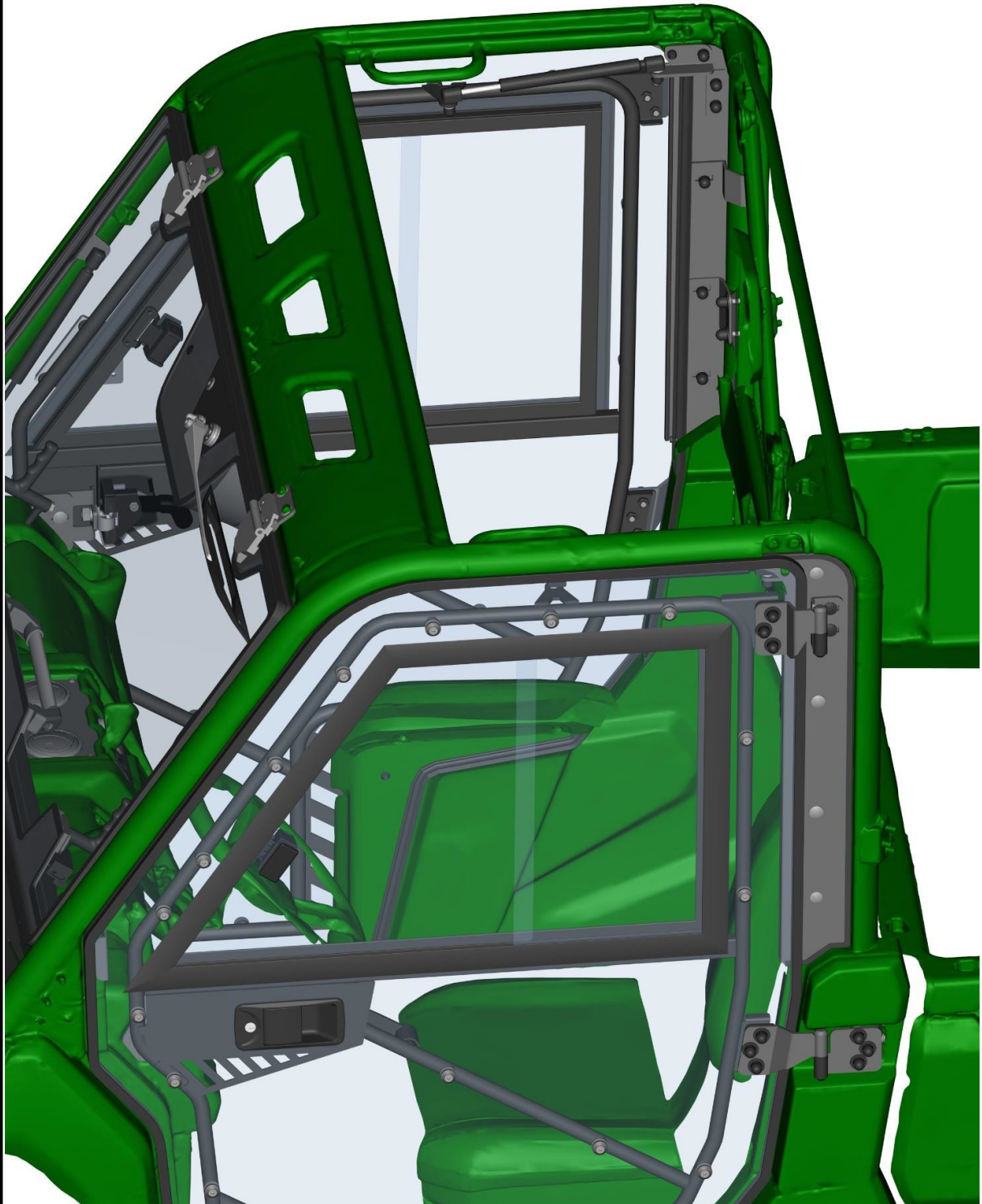


It is necessary to install gas spring in same orientation like on picture.



52

Repeat previous steps on the machine right side with the right door assemblies.

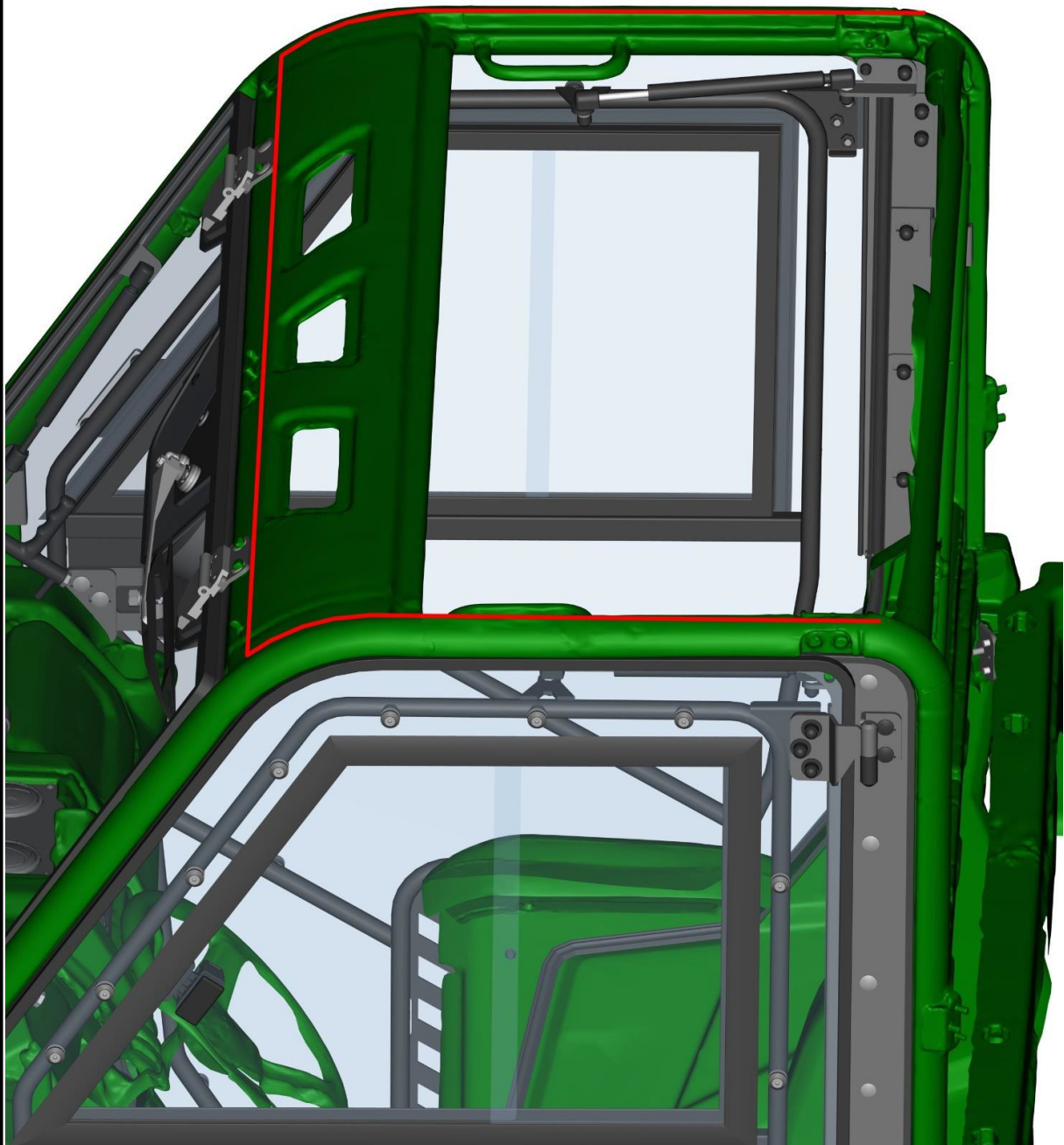


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ORIGINAL ROOF

IF YOU DON'T HAVE ORIGINAL ROOF SKIP THESE STEPS

Stick the self-glued sealing onto the machine frame (red line).

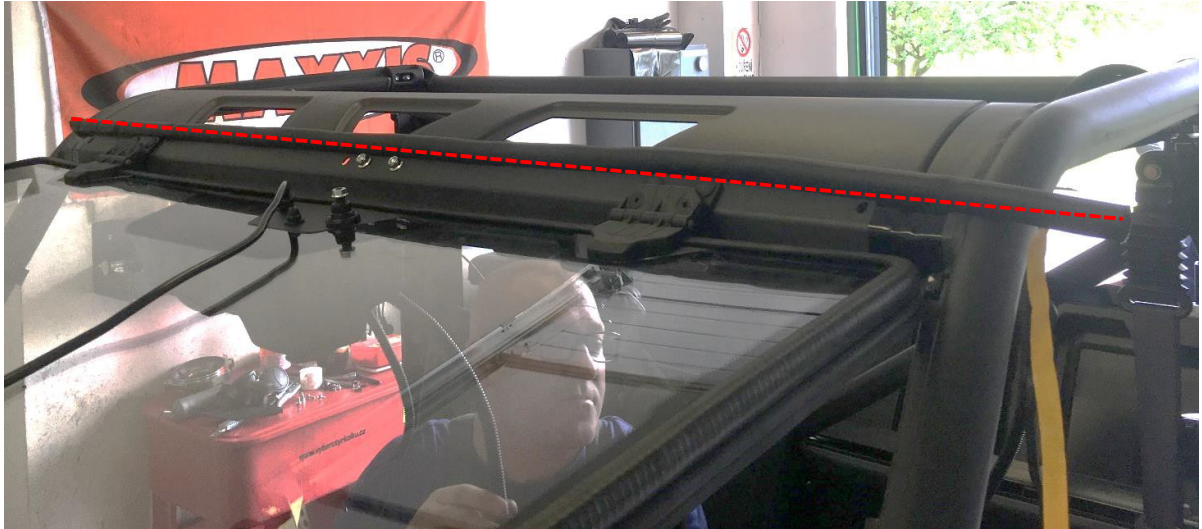


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Degrease the surface of the UTV frame where the sealing will be affixed.
Stick the self stick sealing Apolo on the UTV frame as shown below.
Shorten the seal to the required length.



Apolo sealing profile



Degrease the surface of the UTV frame where the sealing will be affixed.
Stick the self glutes sealing KR on the UTV frame as shown below.
Shorten the seal to the required length.



KR sealing profile



Degrease the surface of the UTV frame where the sealing will be affixed.
Apply the self stick sealing KR on the other side of the UTV frame as
shown below. Shorten the seal to the required length.



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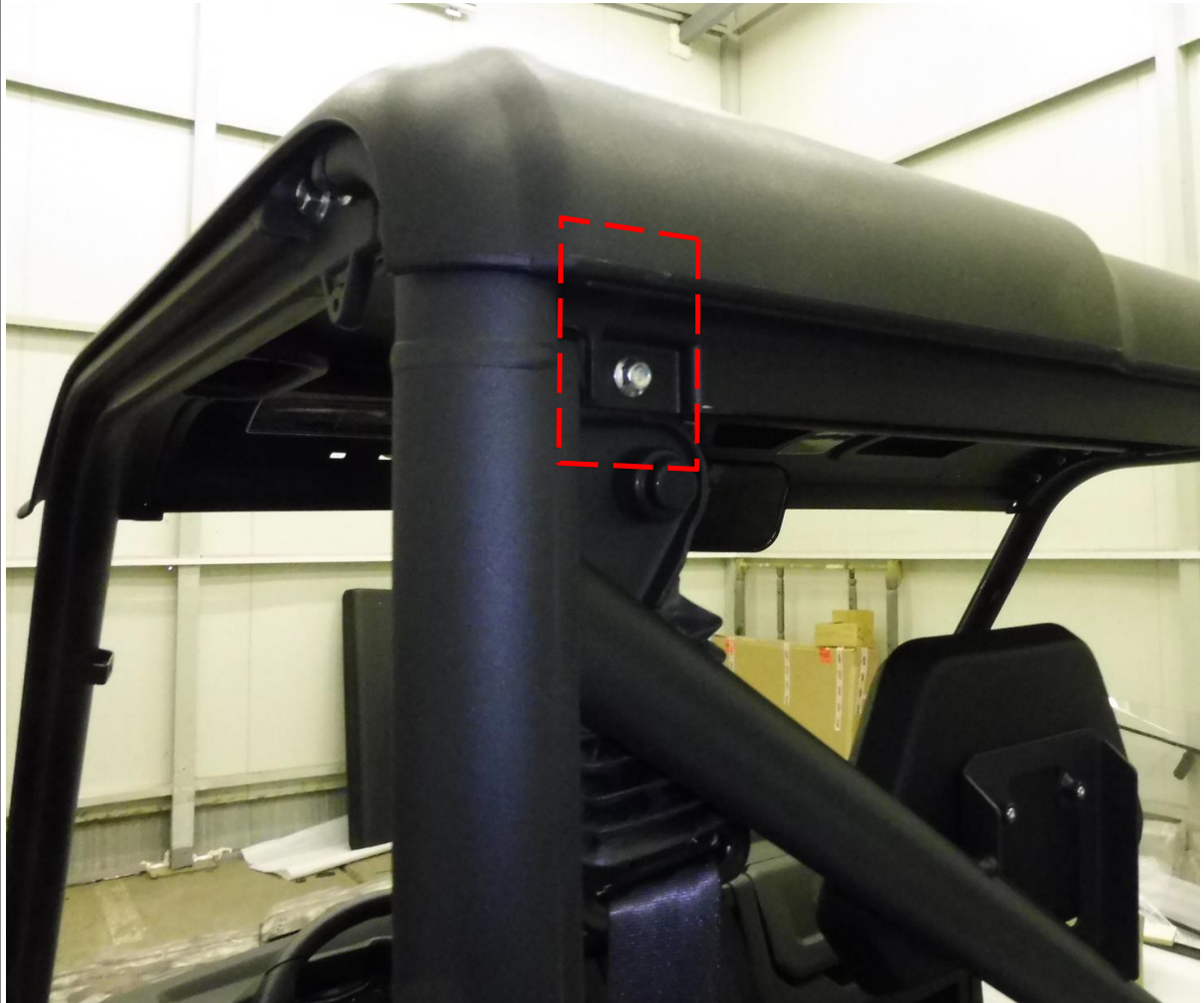
Prepare the rear panel sealing stickers for application.



Degrease the surface of the UTV frame where the sealing sticker will be affixed. Stick the sealing sticker on the UTV frame as shown below.



Degrease the surface of the UTV frame where the sealing sticker will be affixed. Stick the sealing sticker on the UTV frame on the other side as shown below.



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Place the original roof onto the machine frame.



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Adjust the original roof to the best position.
Fix the original roof to the original fixing point by original screws.

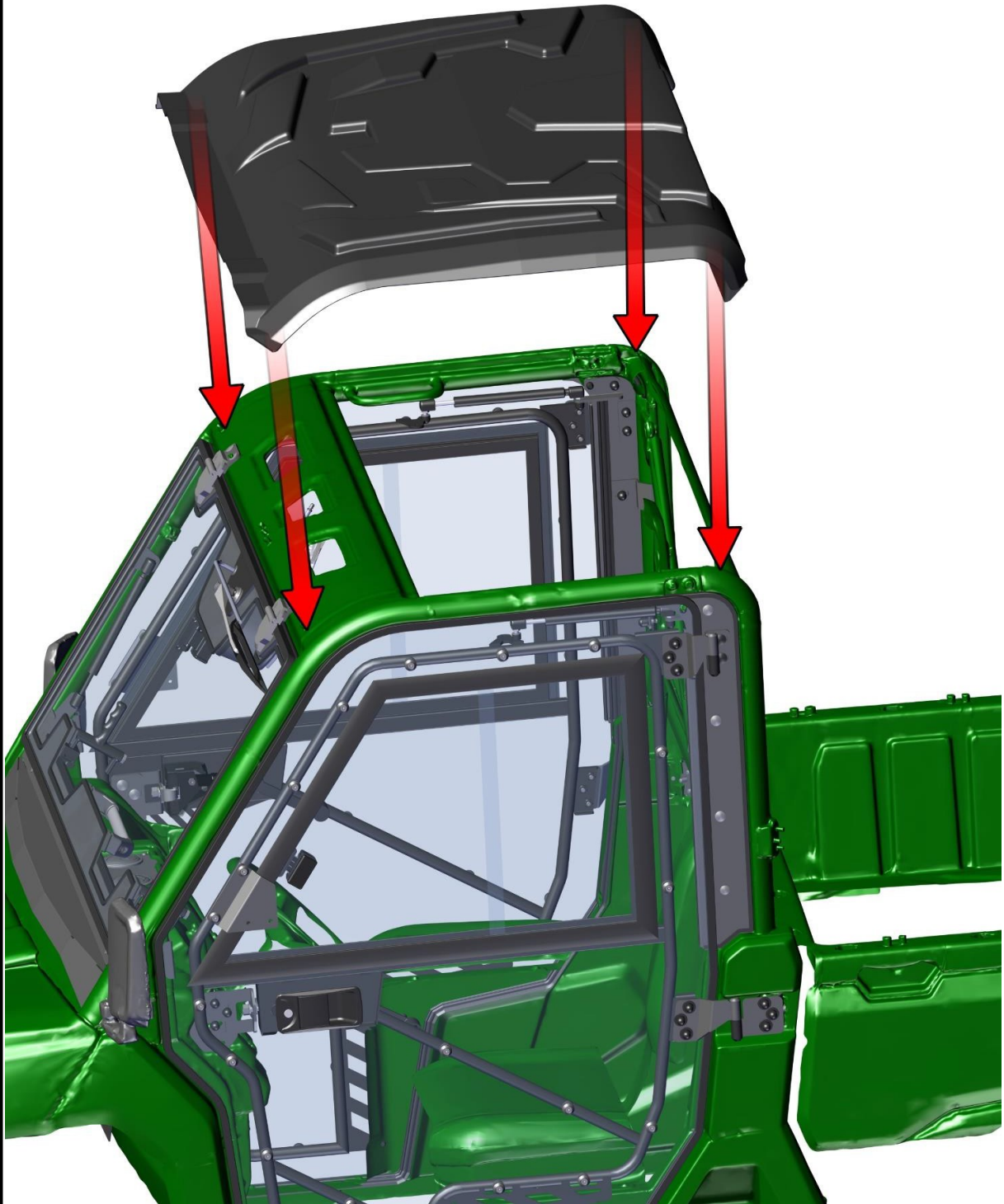


60

ROOF

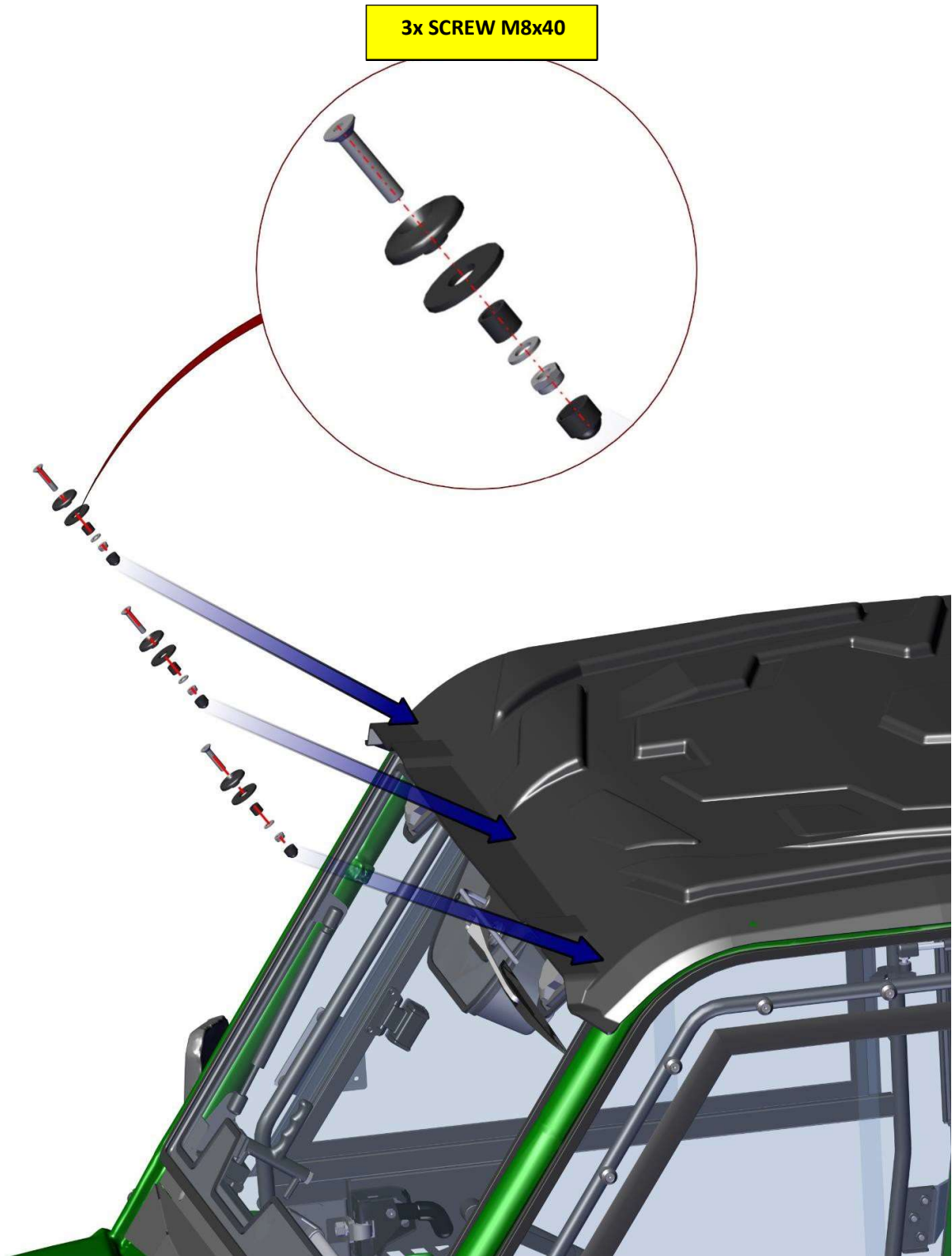
IF YOU HAVE ORIGINAL ROOF SKIP THESE STEPS

Place the roof panel onto the machine frame.

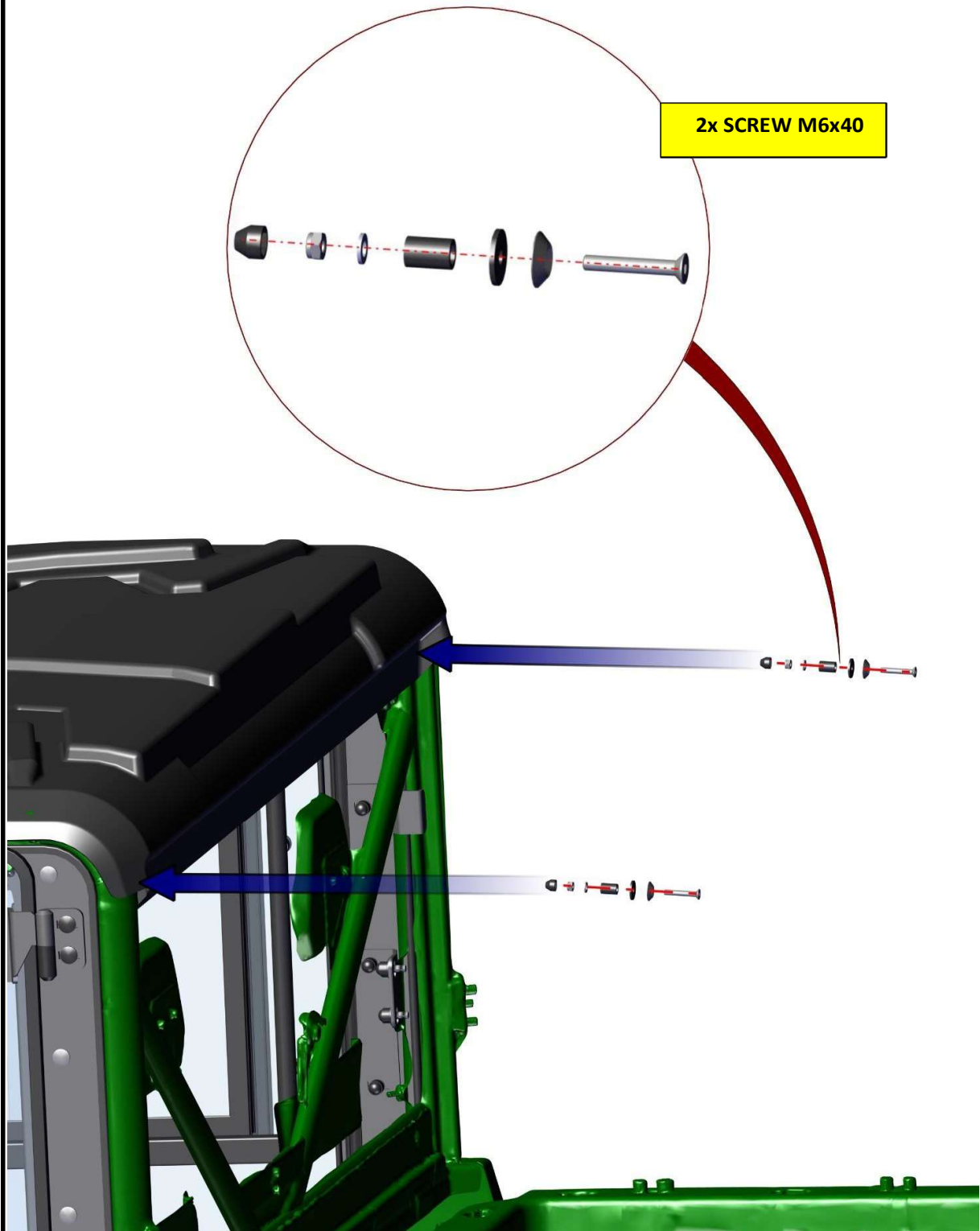


61

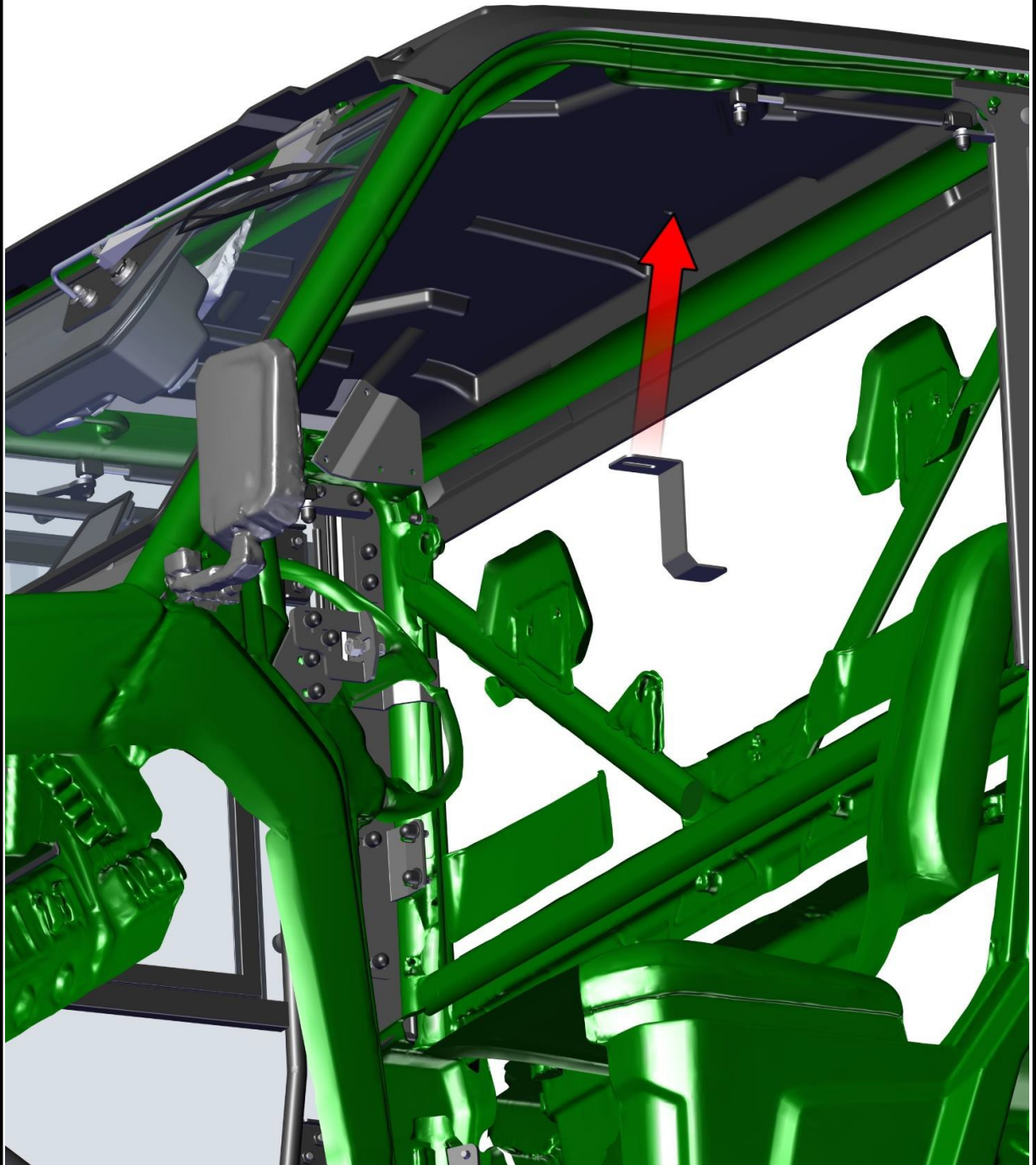
Fix the roof with the frame by included screws, washers nuts and covers.



Fix the roof with the frame by included screws, washers nuts and covers.



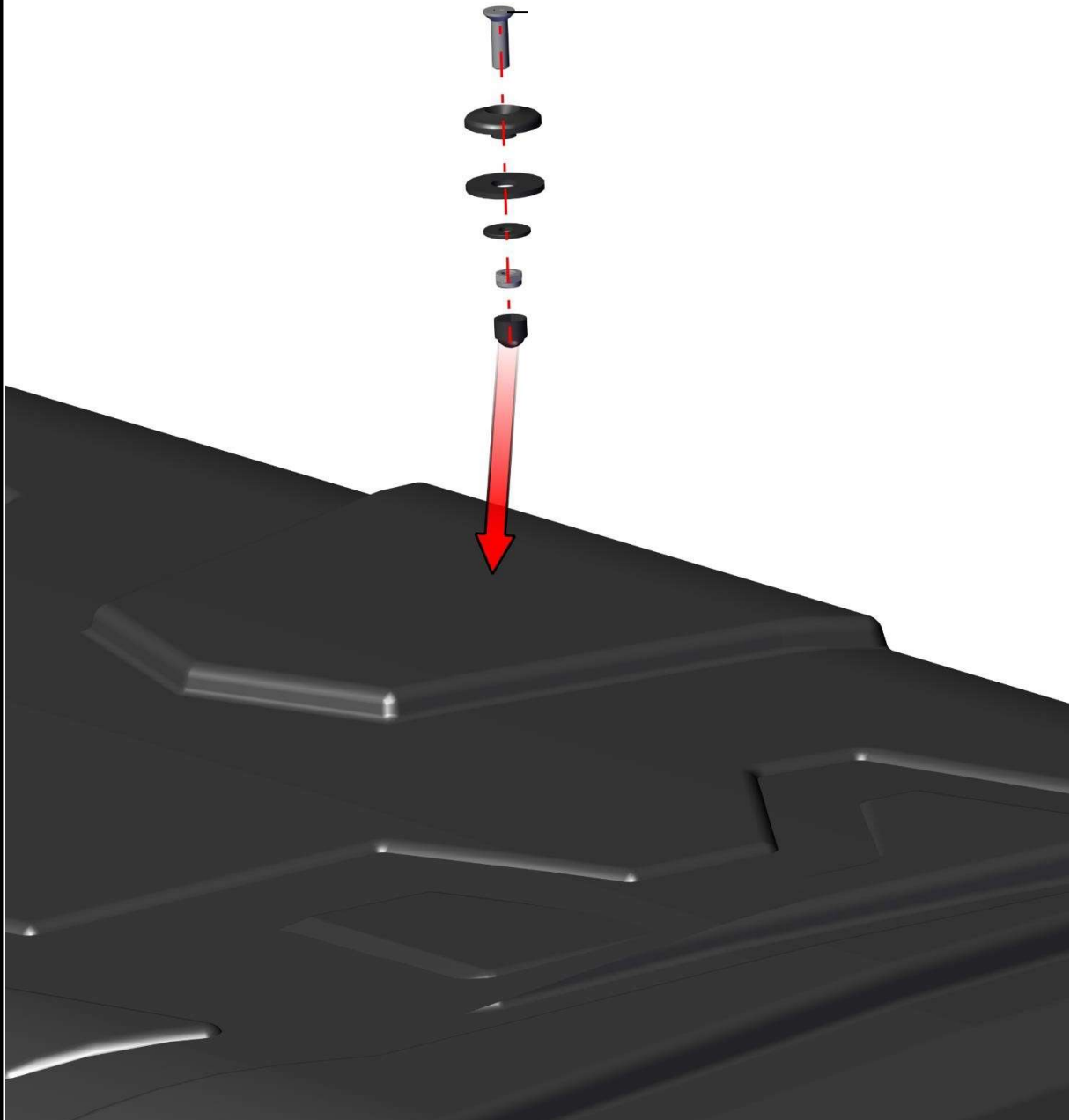
Place the holder onto the roof and onto the machine frame.



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Fix the roof with the holder to the frame by included screw, washer, nut and cover.

SCREW M8x30

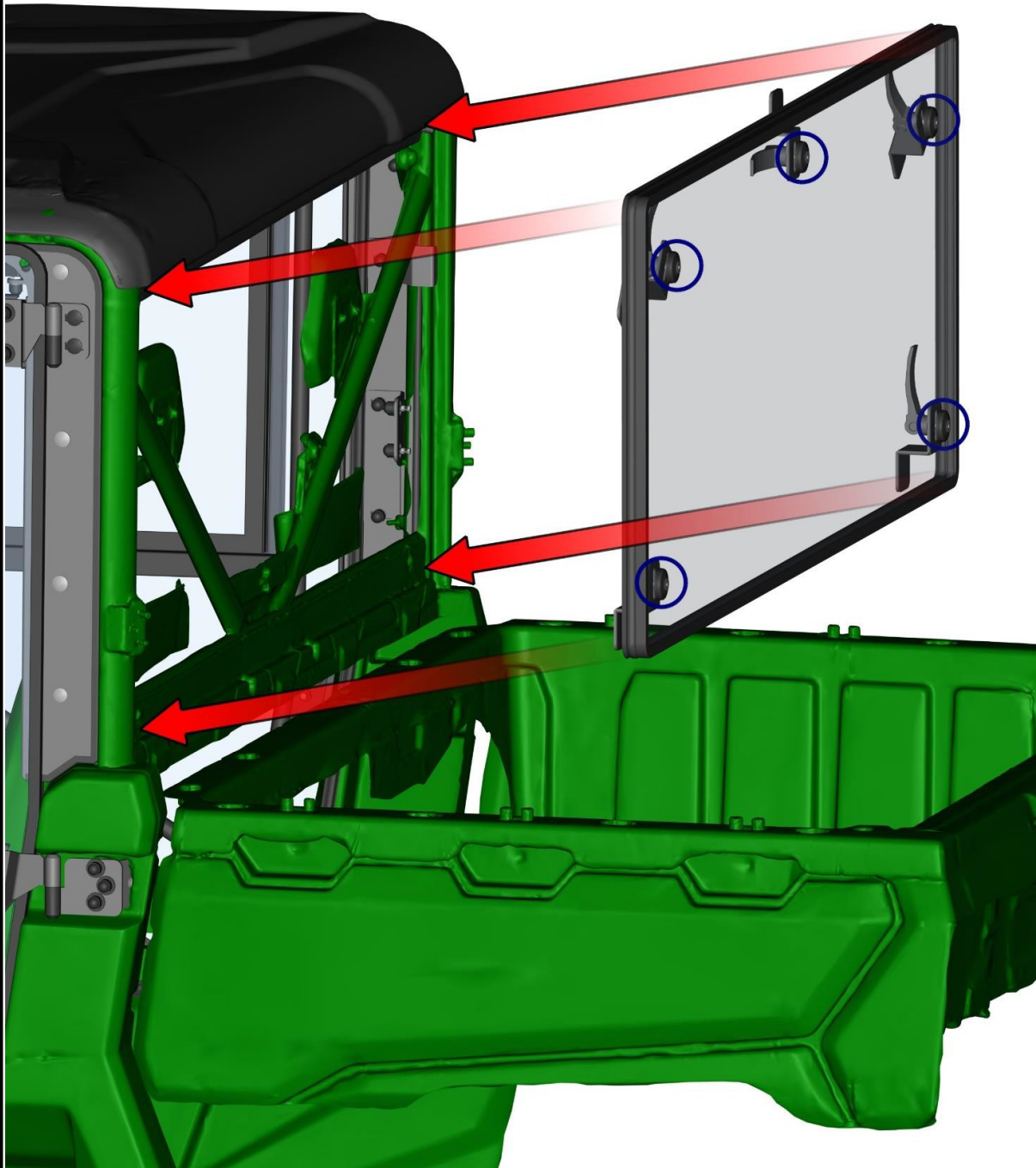


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Tighten all roof screws correctly.

REAR PANEL

Loosen the rear holder screws and turn holders to neutral position.
Place the rear assembly onto the machine frame
and onto the original roof.



Turn holders to the best position and tighten holder screws correctly.



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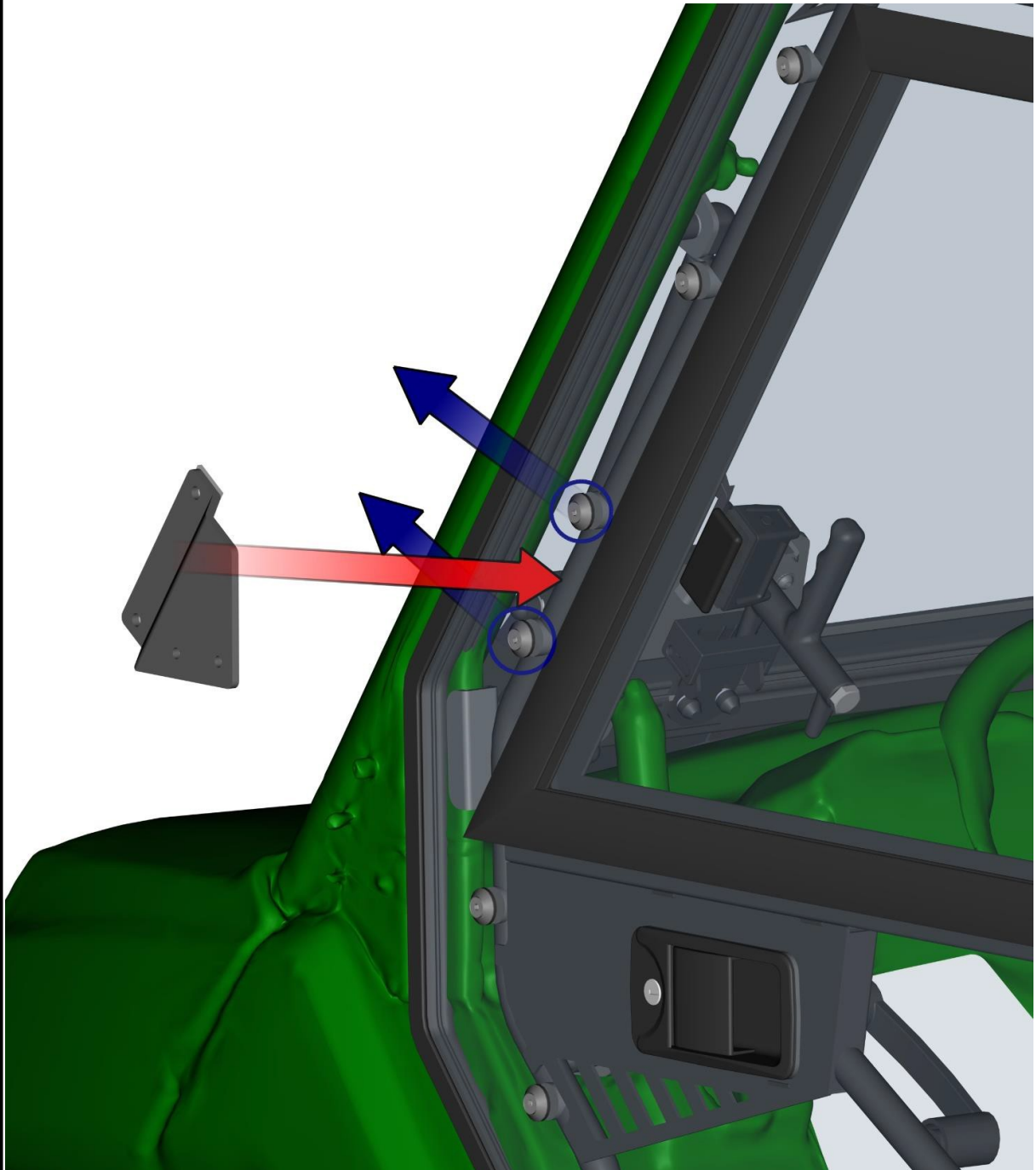
ORIGINAL SIDE MIRROR

Only if you have original side mirrors.

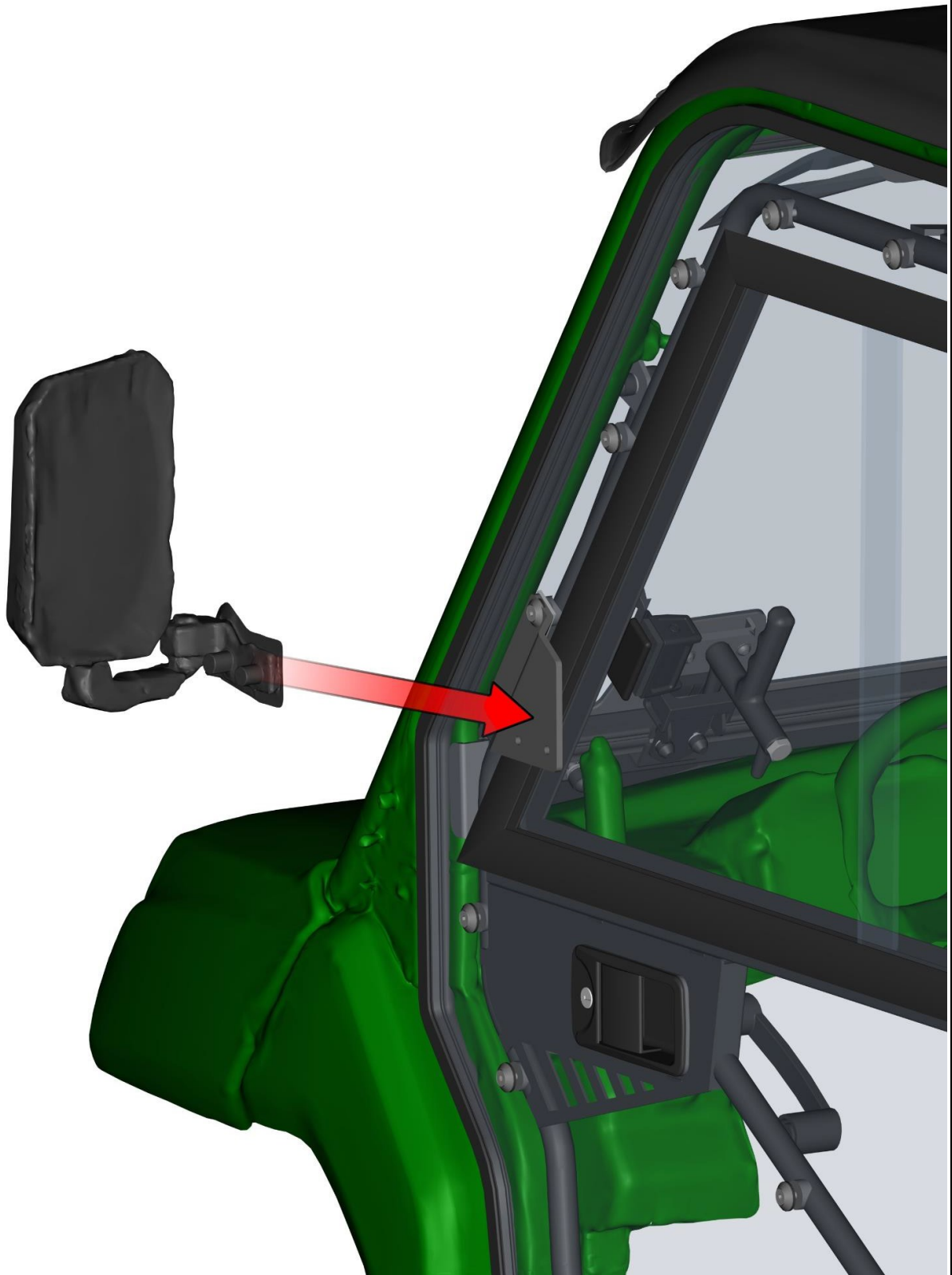
If you have door mirror holders installed, you can skip to next page.

Uninstall door screws and washer (blue circles).

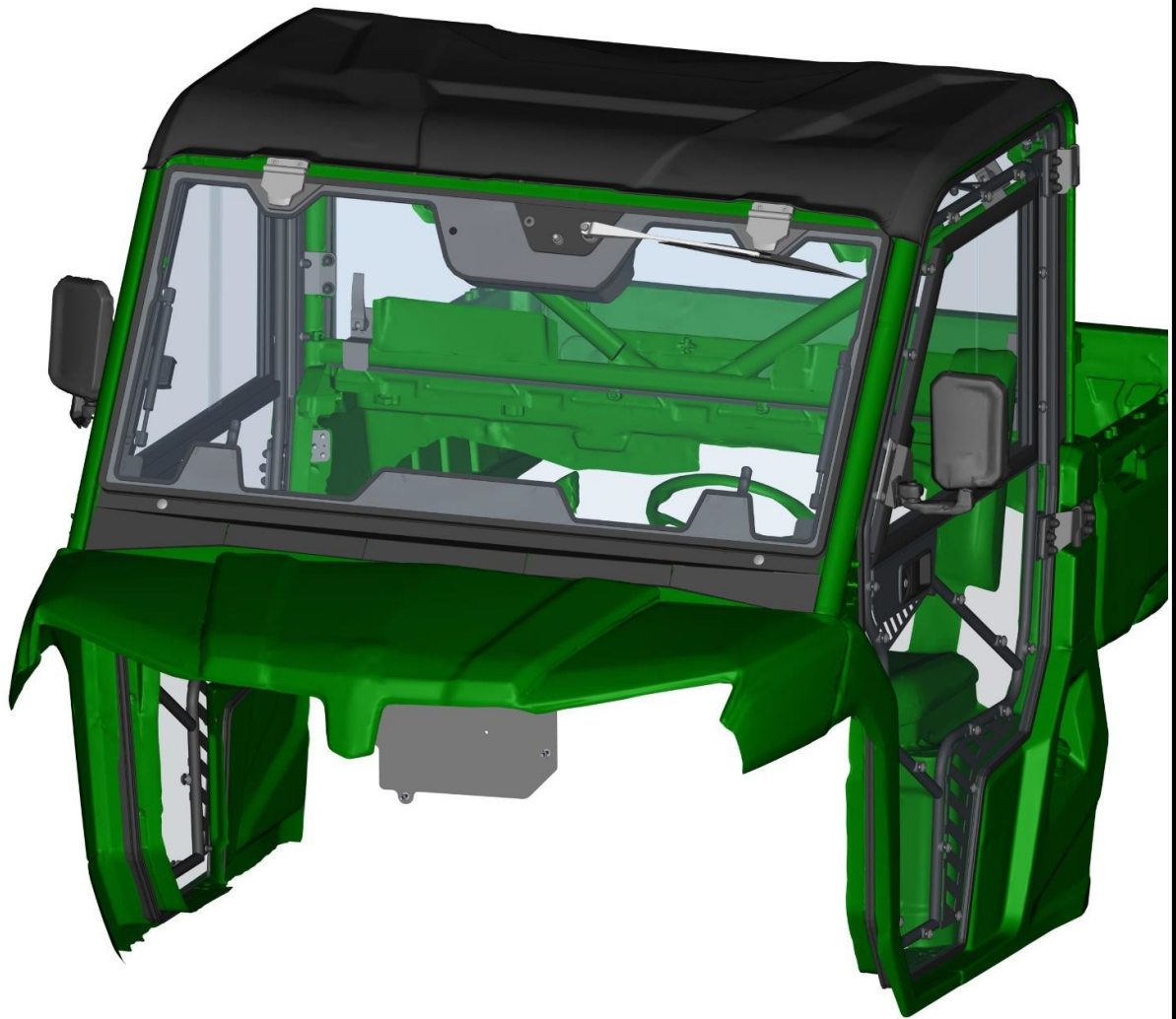
Place the left side mirror holder onto the door and fix by screws and washers from previous step.



Install the original mirror onto the holder by original screws.



Repeat previous steps on the right side with the right assemblies.



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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.

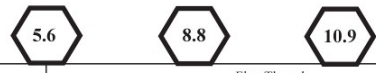
IMPORTANT: On all PLATED GRADE 8 bolts, reduce torque 15% from listed bolt torque specification.

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

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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

