INSTALLATION & OWNER'S MANUAL

John Deere Gator XUV590i and 590m
ClearView Cab p/n: 1JD590CV
fits model years 2016 - present

The contents of this envelope are the property of the owner.
Be sure to leave with the owner when installation is complete.

Warning! This vehicle is capable of traveling at high speed. Do not attempt to drive the vehicle with the cab doors removed. If the cab doors are intentionally removed, the O.E.M. (Original Equipment Manufacturer) vehicle half doors or netting must be re-installed prior to driving the vehicle. Failure to do so could result in serious injury or death.

Caution! Do not operate vehicle with windshield in the full open position.

Approximate Installation Time *
Experienced Dealer Technician – 3.5 Hours
Average Dealer Technician – 4.5 Hours
Do-It-Yourself – 5.5 Hours

(* = Not including accessories)

Optional windshield wiper is shown installed (p/n: 1JD590CVWPR). Door mirrors are not included, but are available as a separate additional option (p/n: 9PM6).

revised: 12-06-2018

p/n: IM-1JD590CV

NOTICE

ADDED WEIGHT

Curtis Cabs, blades and general accessories add additional weight to the base vehicle. All Curtis accessory weights are listed in product brochures. Deduct the accessory's total weight from the vehicle's rated capacity and never exceed the vehicle's rated capacity including driver and passenger.

WARNING ***Exposure to Carbon Monoxide can Cause illness, serious injury or death.***

Never operate vehicle if suspicious of Carbon Monoxide. Inspect exhaust system for leaks monthly. Leaks can result from loose connections, corrosion, cracks or other damage to the exhaust manifold. If leaks are found, repair or replace exhaust system. Do not use vehicle until repair or replacement is complete.

WARNING

Serious Injury or Death

This cab enclosure does not provide protection from rollover or other accidents.

This cab enclosure does not provide protection from flying objects including golf balls.

This cab enclosure does not provide protection from lightning. When lightning threatens take cover and do not operate vehicle.

California Proposition 65

WARNING

Engine exhaust, some of its constituents, certain vehicle components and fluids, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

BEFORE YOU START

HELPFUL HINTS:

A. Refer to parts diagram toward the back of this manual to help identify parts during the assembly process.

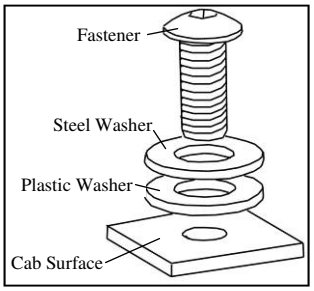
B. To assist with the cab installation, leave all bolts loose for later adjustment unless otherwise specified. Install nut covers as a very last step after finishing the installation.

C. Read and understand all instructions before beginning.

D. Plastic washers have been supplied to provide a weather seal under the heads of all exterior bolts. The plastic washer should be installed under each bolt head directly against the outside cab surface. Care should be taken not to over tighten the fasteners and damage the plastic washer. Also use steel washers as required. See diagram. Tip: the black plastic washers can be difficult to distinguish from the black steel washers. Use a magnet or look for round witness marks left on the plastic washers from the mold ejector pins.

E. Apply a clear silicone sealant to seal any minor gaps that may occur due to vehicle variations.

F. Use caution to avoid damaging any factory installed threaded inserts or weldnuts. Begin the bolt engagement by hand to guard against potential cross threading.



Tools Required:

3/8” Drive Ratchet
Metric Sockets (3/8” Drive)
Metric Open-End Wrenches
Metric Allen Wrenches

Tools Required:

Phillips Head Screwdrivers (#2 and #3)
Measuring Tape
Scissors
Grease

SAFETY INSTRUCTIONS

Warning: Failure to heed all safety and operating instructions, and warnings regarding the use of this product, can result in serious bodily injury.

Install all parts indicated in assembly instructions. Failure to fully assemble the product before use could result in personal injury.

Assembly of product requires use of hand. If you are not experienced in using these types of tools, have a product dealer do the installation 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 below.

Do not operate your UTV with the cab doors open. Failure to properly latch the doors before moving the vehicle could result in serious injury.

In extreme cases, severe bumps may cause the windshield to close even from the vented position. It is recommended to keep the windshield fully closed when driving over extreme bumps, etc.

Plastic washers have been supplied to provide a weather seal around all exterior fasteners. The plastic washer should be installed under each bolt head directly against the outside cab surface. Care should be taken not to over tighten the fasteners and damaging the plastic washer. Use metal washers as required.

MAINTENANCE AND CLEANING

The inside surface of the windshield is coated with a plasticized safety film. Use care when cleaning the windshield to avoid scratching the inside surface.

To clean polycarbonate surfaces, use a soapy water solution or other gentle means.

Dirt and dust can be removed with a gentle water stream and wiping only with a wet or damp soft cloth from top to bottom.

Do not use detergents that could scratch the surfaces. (abrasives, harsh fabrics, etc.)

Do not use solvents or alkaline detergents or cleaners with ammonia (ammonium hydroxide).

Do not remove impurities from surfaces with a razor blade or other sharp items.

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

Do not use a squeegee, it could scratch surfaces.

The mfr. is not responsible for surface scratches caused by failure to comply with the above instructions.

Check and tighten hardware after 40 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit's life.

1. VEHICLE PREP

1.1 Remove all additional systems from the R.O.P.S. (Roll-Over Protective Structure) including work lights, rear mirrors, drink holders etc.. Remove the OEM (Original Equipment Manufacturer) half doors or nets from the vehicle.

2. FRONT PANEL

2.1 Place and align the front upper ledge onto the UTV roll cage.

2.2 Mount the front upper ledge to the UTV roll cage with included screws, washers, and nuts. 2x M8x30.

2.3 Place the front upper ledge brackets on the UTV roll cage.

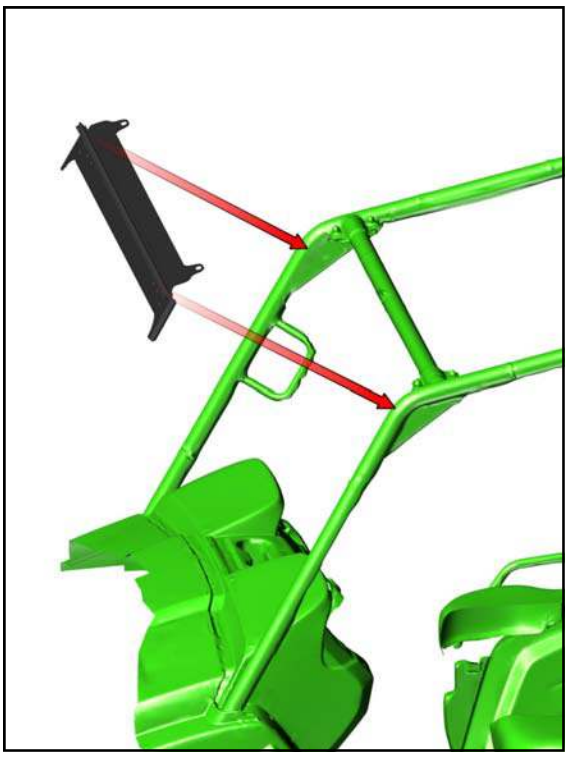


Fig. 2.1

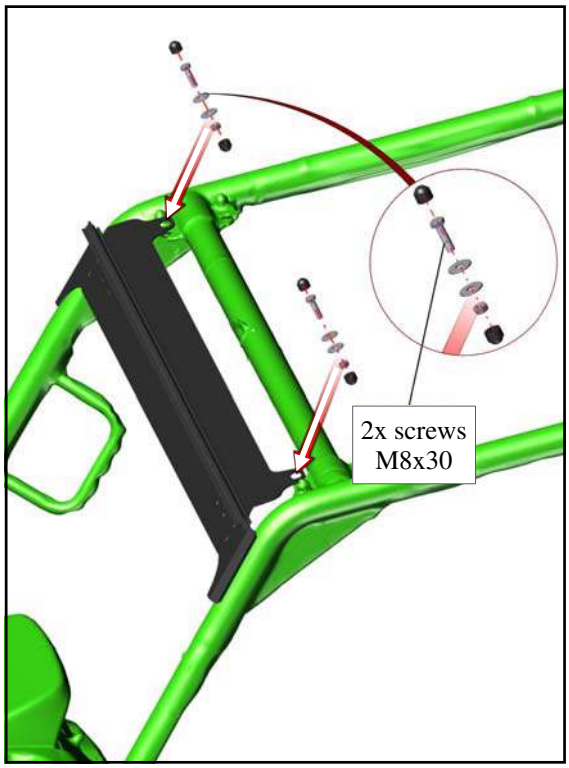


Fig. 2.2

Fig. 2.3

2. FRONT PANEL (cont'd.)

2.4 Attach the upper ledge brackets as shown. 4x M8x20.

2.5 Assemble with M8 x 30 screws as shown.

2.6 Install door stop assembly screws into the front bottom ledge bracket as shown. 2x M8x20.

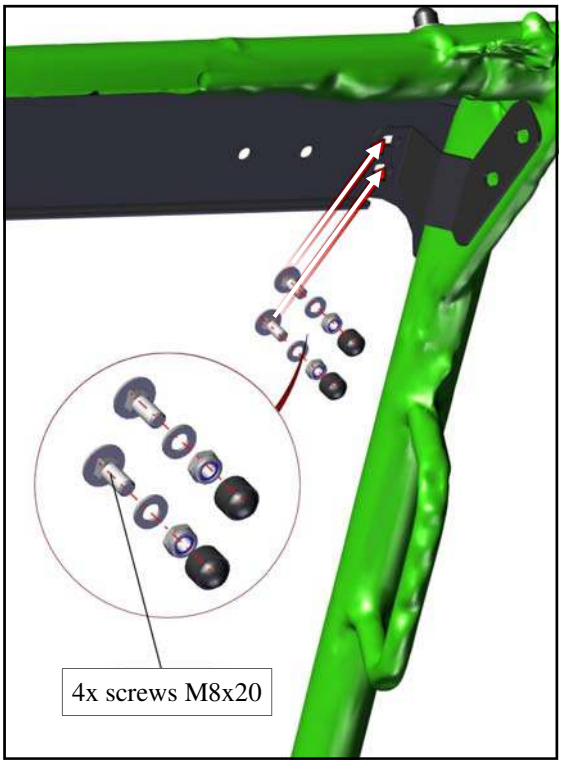


Fig. 2.4

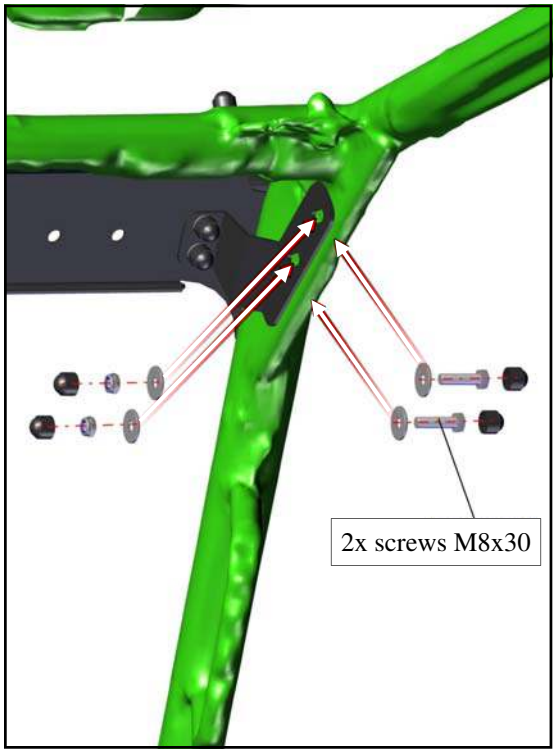


Fig. 2.5

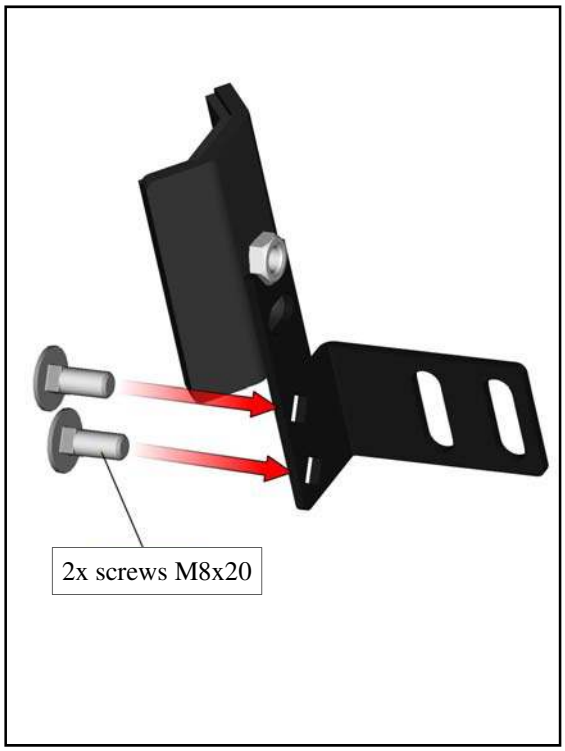


Fig. 2.6

2. FRONT PANEL (cont'd.)

2.7 Align the front bottom ledge brackets to the best position on both sides.

2.8 Mount the front bottom ledge bracket onto the UTV roll cage on both sides with included screws and washers. M10x20.

2.9 Place the front bottom ledge onto the UTV roll cage.

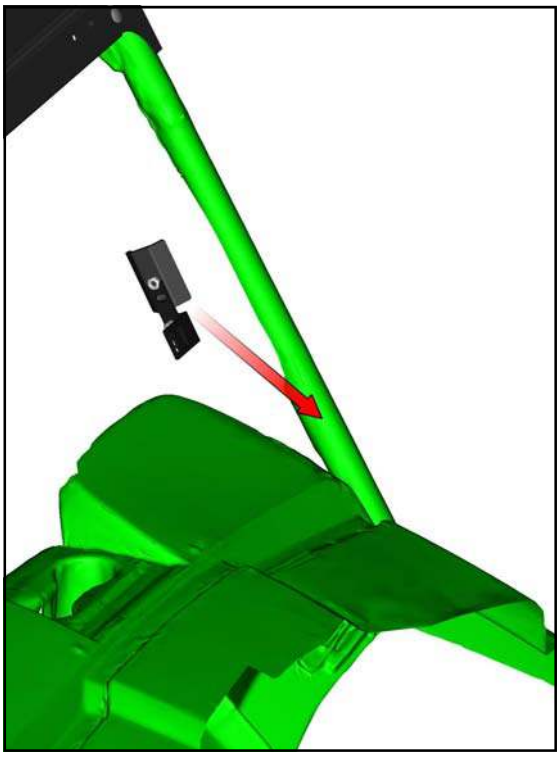


Fig. 2.7

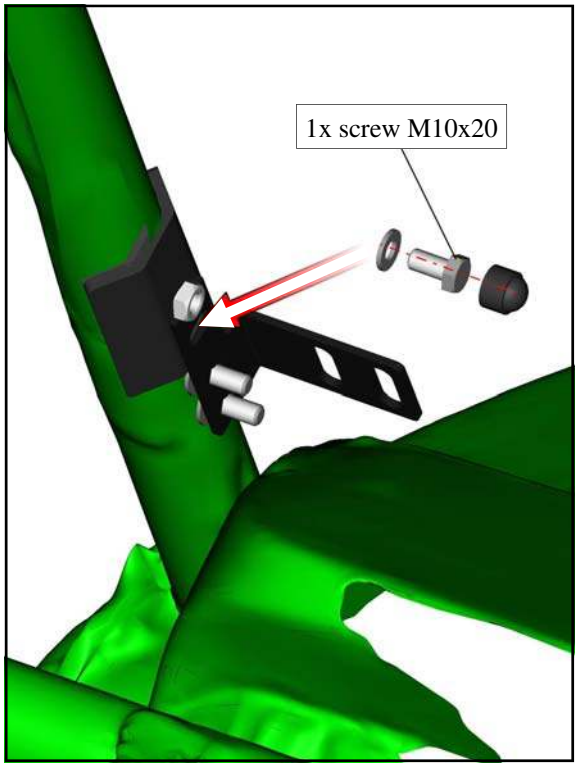


Fig. 2.8

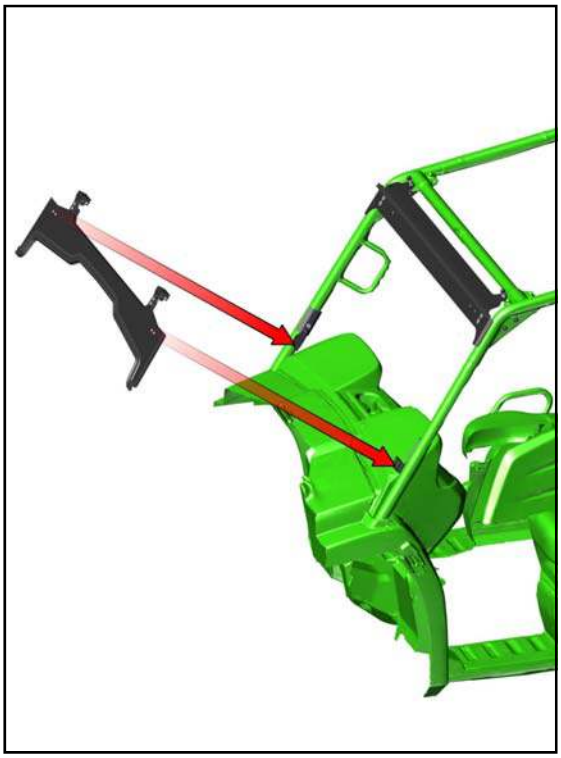


Fig. 2.9

2. FRONT PANEL (cont'd.)

2.10 Align the front bottom ledge to the best position. The bulb rubber seal must sit on the hood of the vehicle.

2.11 Attach the front bottom ledge with included screws. 4x M8x20.

2.12 Place the front glass assembly onto the UTV roll cage. **Caution!** The inside surface of the front panel is coated with a plasticized safety film. Use care when cleaning the front panel to avoid scratching the inside surface.

Fig. 2.10

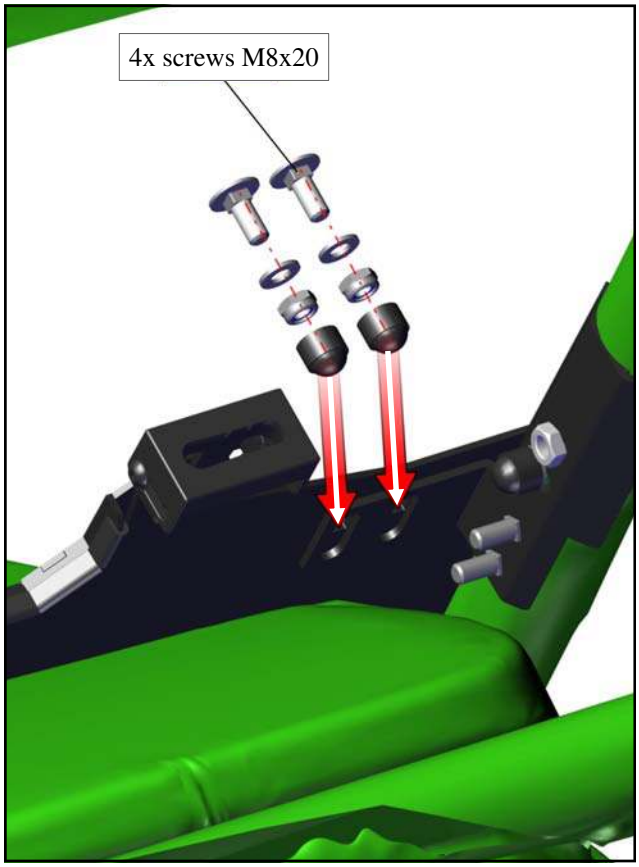


Fig. 2.11

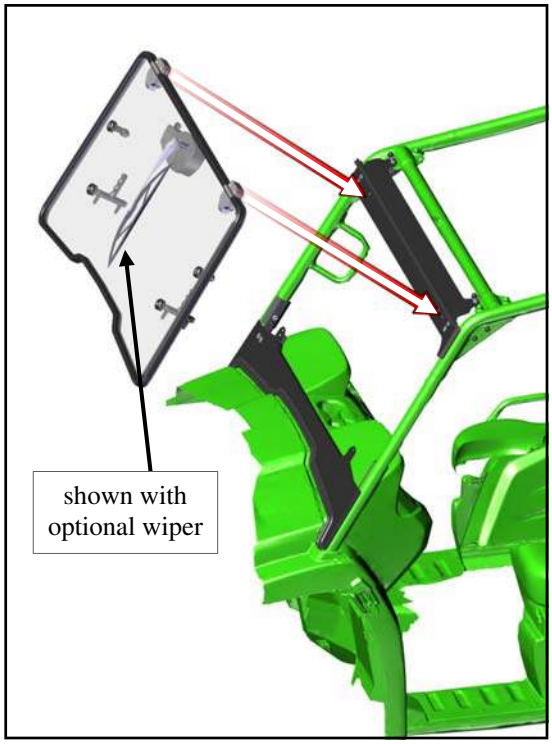


Fig. 2.12

2. FRONT PANEL (cont'd.)

2.13 Mount the front glass assembly to the front upper ledge with included flat head screws. 4x M8x40. Keep the flat head screws loose/snug. When it's time to tighten these screws, use care to avoid cracking the countersink. **Caution: the front panel hinges are plastic components. Do not over tighten the flat head screws. Torque to 7 ft.-lbs. max.**

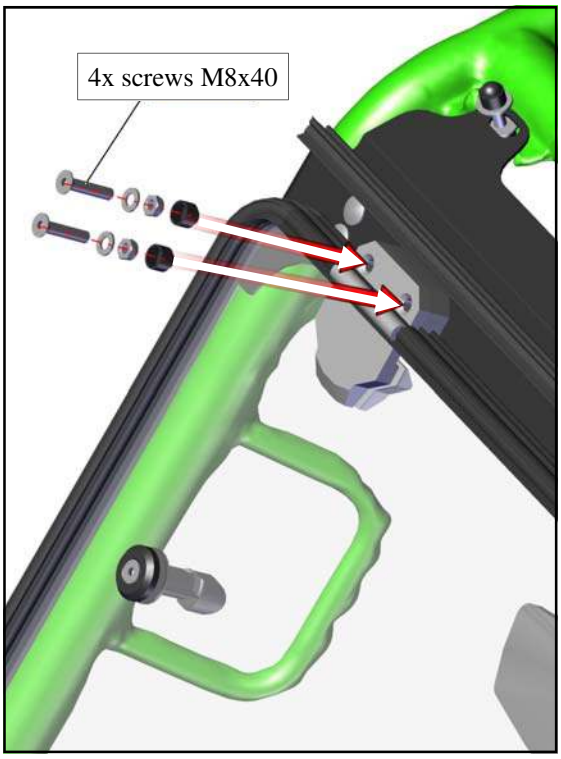


Fig. 2.13

2.14 Install the gas spring as shown. Orient the piston rod so that it is pointing down for best, continuous seal lubrication, and longest gas spring life.

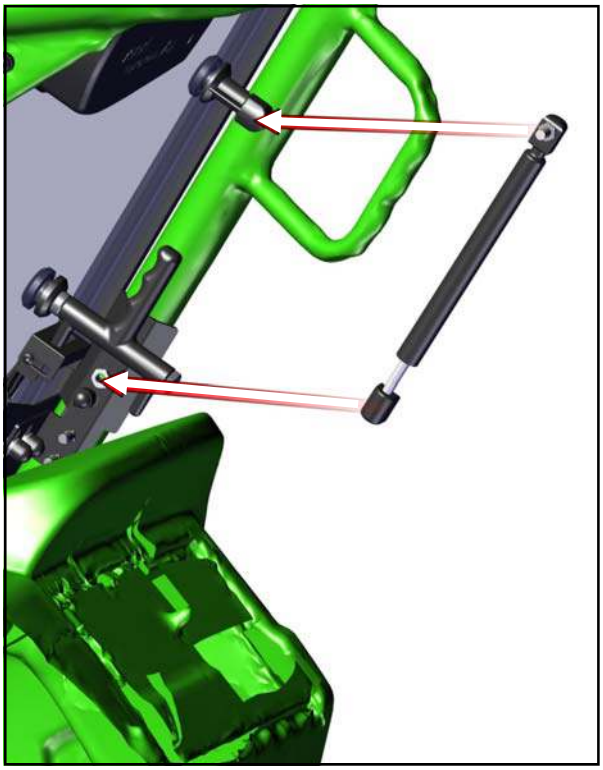


Fig. 2.14

3. DOOR BASES

3.1 Place the left bottom door base bracket onto the left door base.

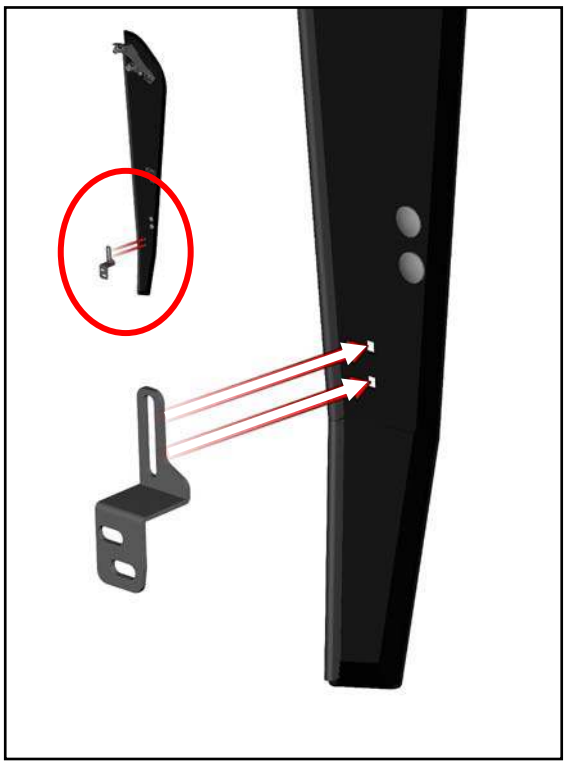


Fig. 3.1

3. DOOR BASES (cont'd.)

3.2 Attach the bottom left door base bracket with included screws, washers, and nuts. 2x M8x20.

3.3 Place the right door base onto the UTV roll cage. NOTE: there is a ROPS (Roll-Over Protective Structure) decal that would be partially covered up. Peel the decal off and relocate/re-attach it out in the open so it is legible.

3.4 Adjust the right door base to the best position. See the arrows in the photo.

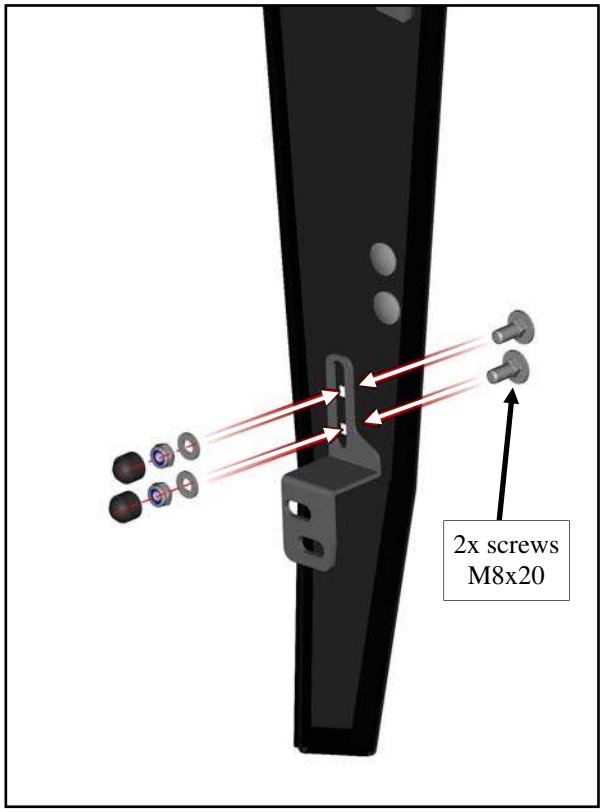


Fig. 3.2

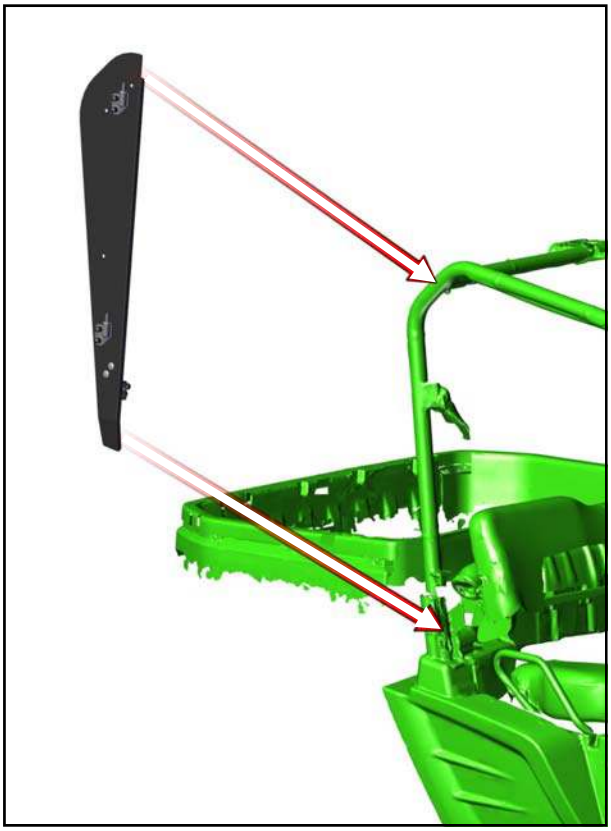


Fig. 3.3

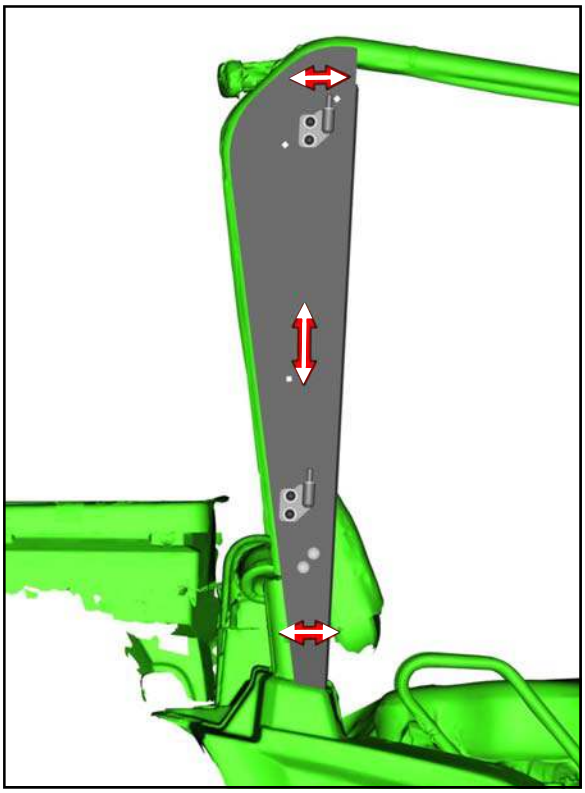


Fig. 3.4

3. DOOR BASES (cont'd.)

3.5 Attach the bottom right door base bracket to the UTV roll cage using the supplied screws. 2x M8x30.

3.6 Place the upper right door base bracket onto right door base.

3.7 Attach the upper right door base bracket with included screws. 2x M8x20.

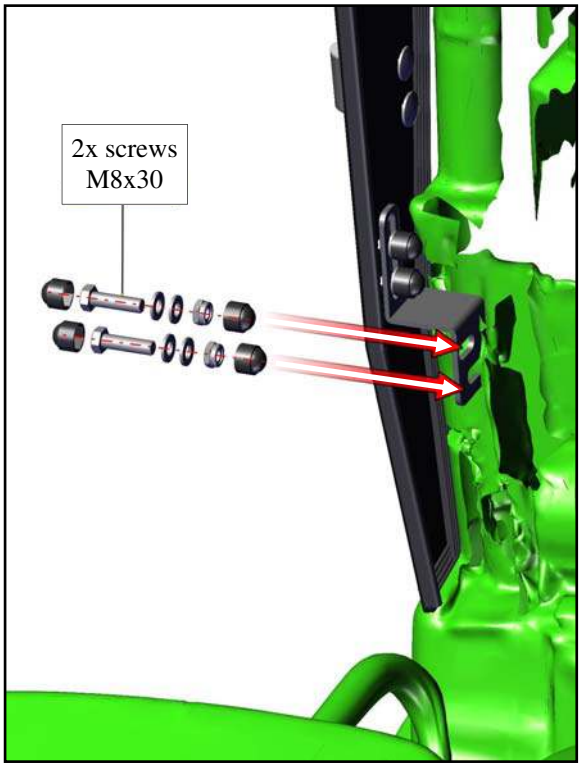


Fig. 3.5

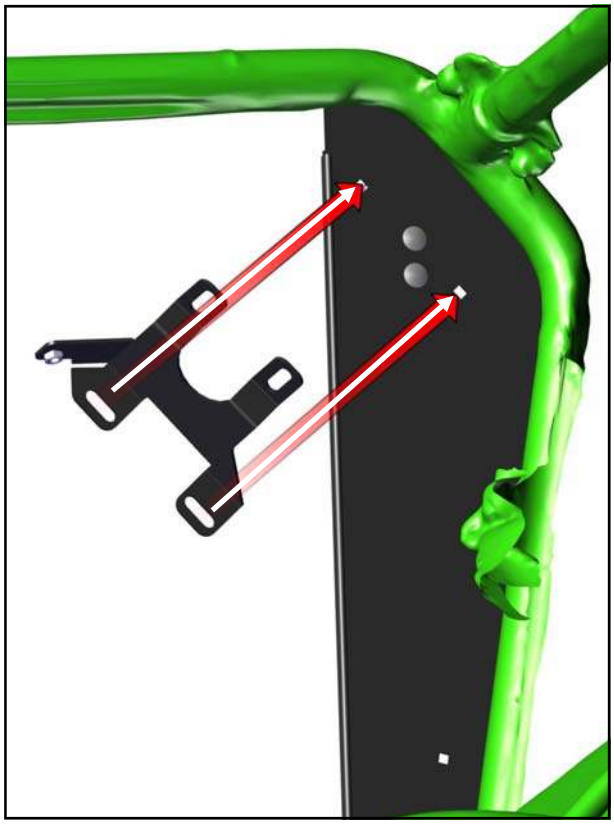


Fig. 3.6

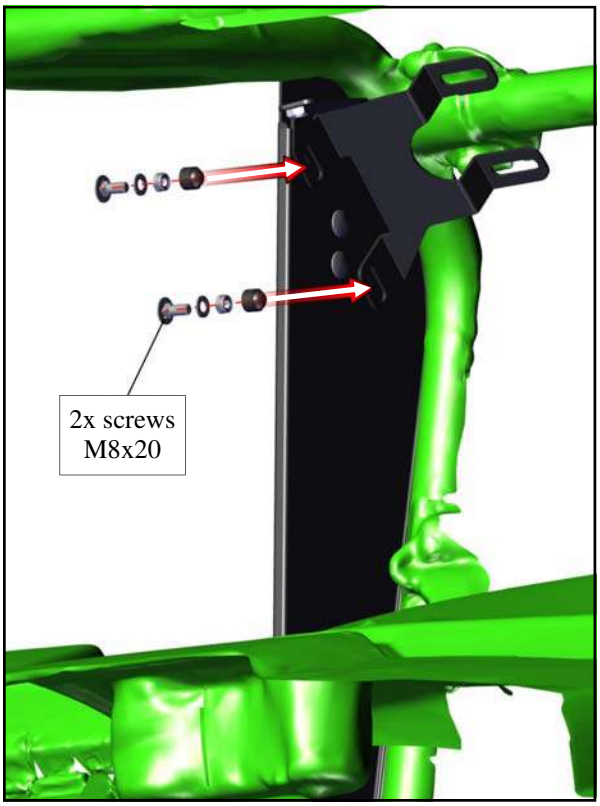


Fig. 3.7

3. DOOR BASES (cont'd.)

3.8 Mount to the UTV roll cage with included screws, washers, and nuts. 2x M8x30.

3.9 Place the middle door base bracket onto right door base and UTV roll cage.

3.10 Attach the middle door base bracket onto right door base with included screw, washer, and nut. 1x M8x20.

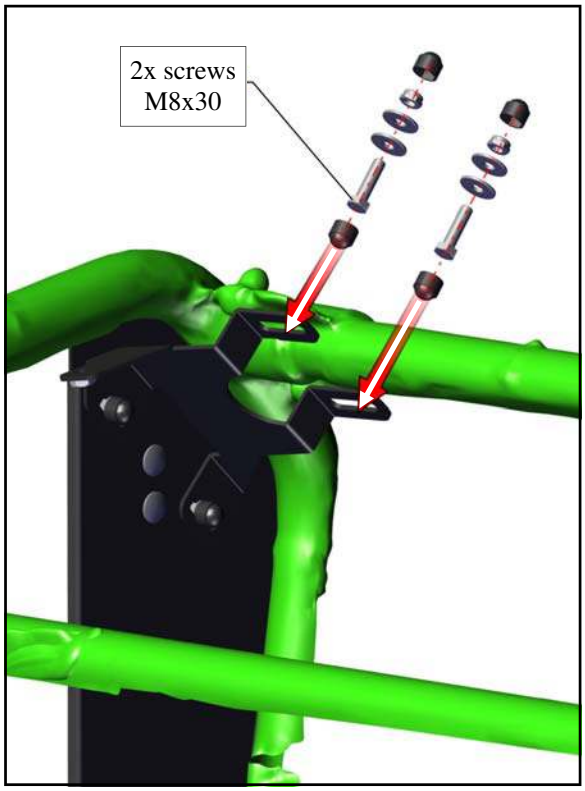


Fig. 3.8

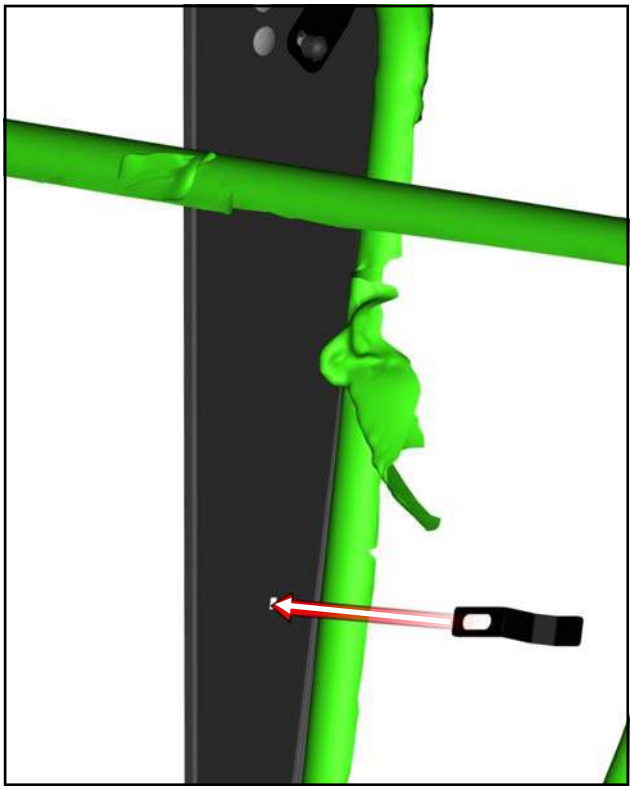


Fig. 3.9

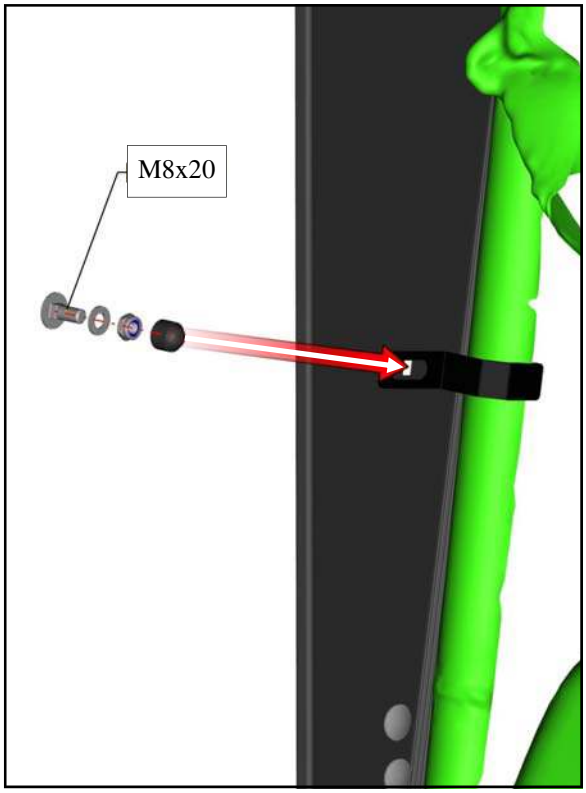


Fig. 3.10

3. DOOR BASES (cont'd.)

3.11 Repeat previous steps with opposite door base.

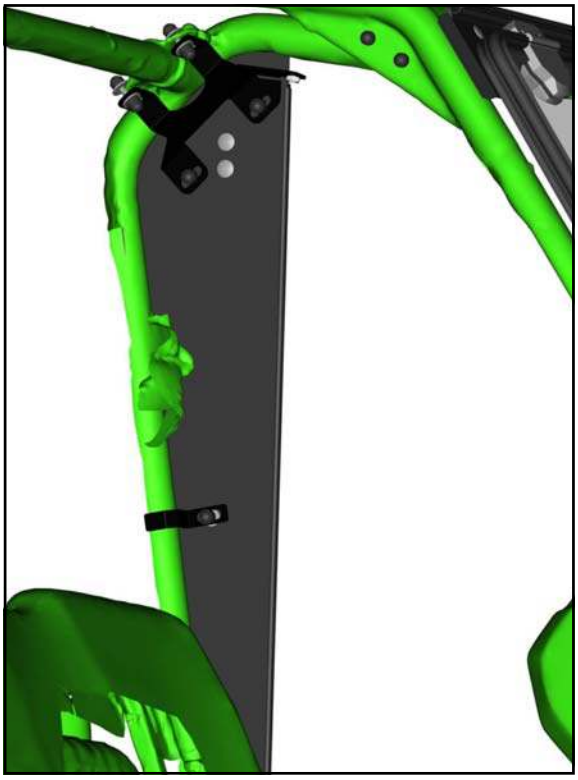


Fig. 3.11

4. REAR PANEL

4.1 Place the bottom rear panel onto UTV roll cage and align to the correct position.

4.2 Mount the bottom rear panel to the UTV roll cage. 2x M8x30.

Fig. 4.1

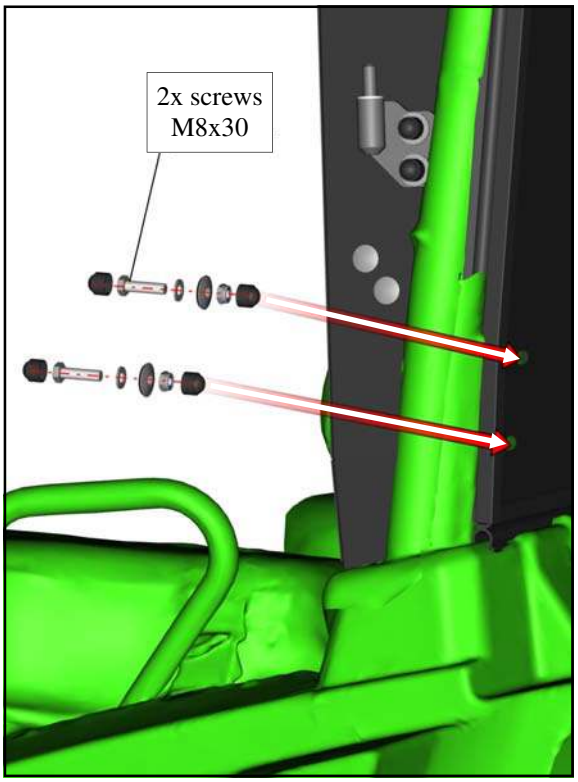


Fig. 4.2

4. REAR PANEL (cont'd.)

4.3 Loosen the upper rear panel bracket screws (where indicated in photo) and temporarily turn the brackets out of the way.

4.4 Place the upper rear panel onto UTV roll cage and align to the correct position.

4.5 Turn the upper rear panel brackets to the correct position. Attach the bottom bracket with included screw and washer. 1x M8x20.

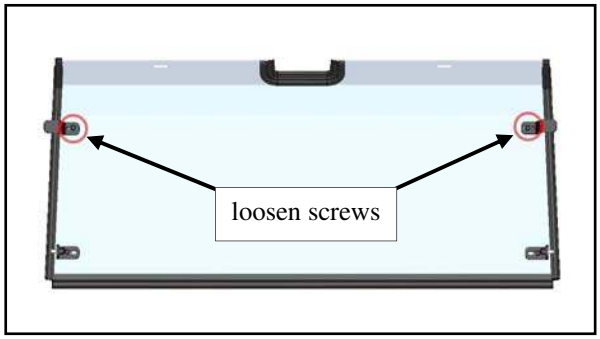


Fig. 4.3

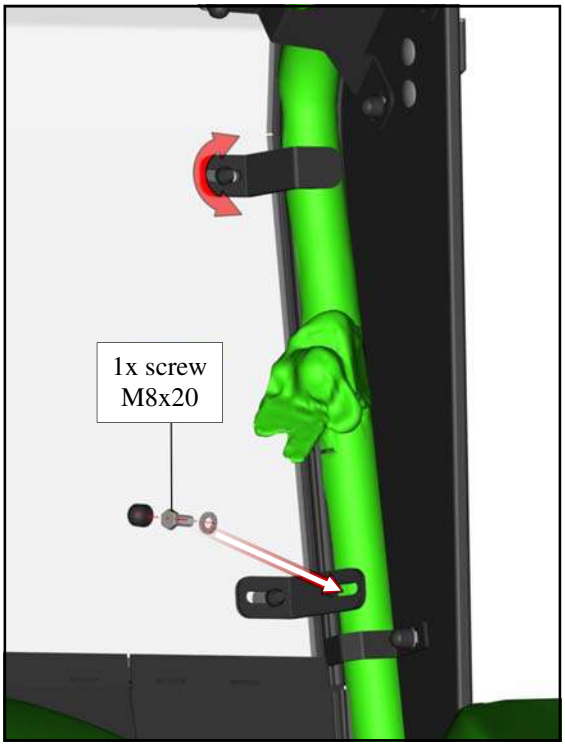


Fig. 4.5

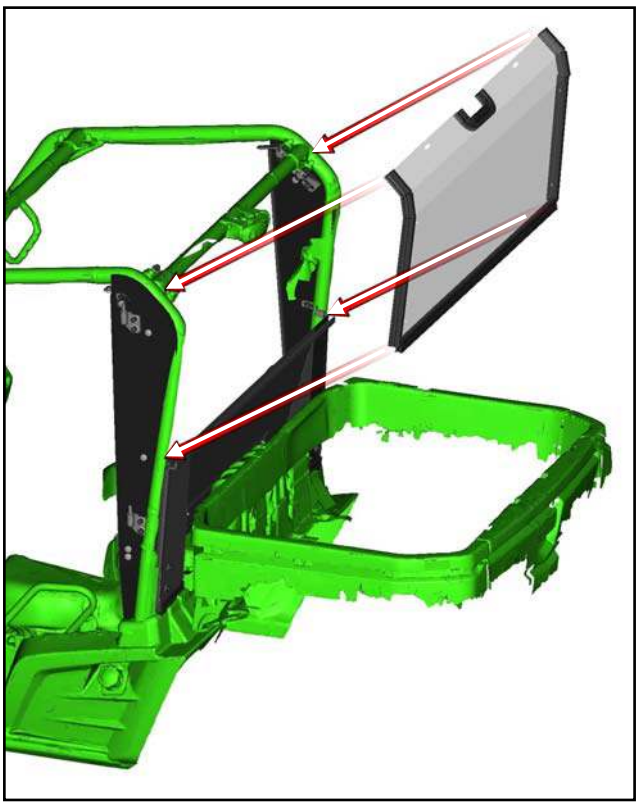


Fig. 4.4

5. ROOF

5.1 Loosen the roof panel bracket screws (where indicated by white circles in photo) and temporarily turn the brackets out of the way.

5.2 Per fig. 5.2a, place the roof panel onto the UTV roll cage. Note: per fig. 5.2b, it may be necessary now or later to add some of the supplied Arch PSA ("D" shaped) bulb rubber above the rear brake light if a gap needs to be closed up. Apply the bulb rubber to a clean, dry surface at room temperature for best adhesion.

5.3 Align the roof panel to the best position.

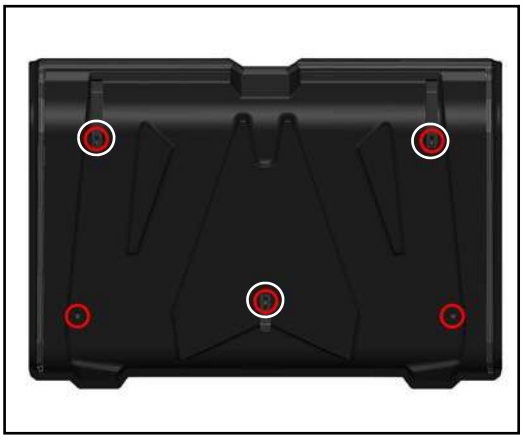


Fig. 5.1

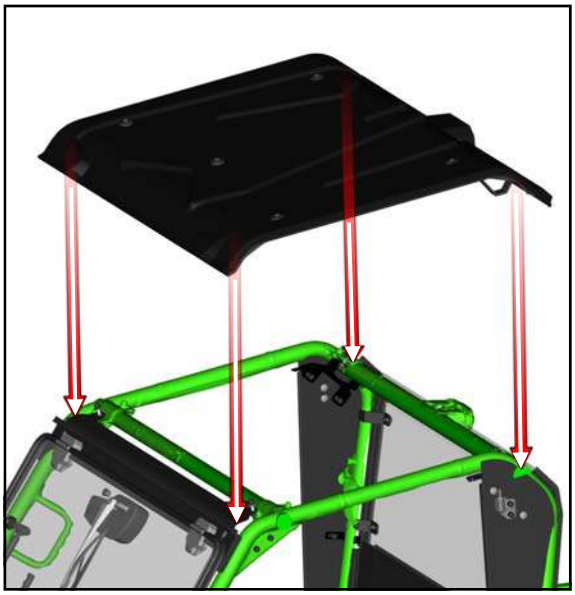


Fig. 5.2a

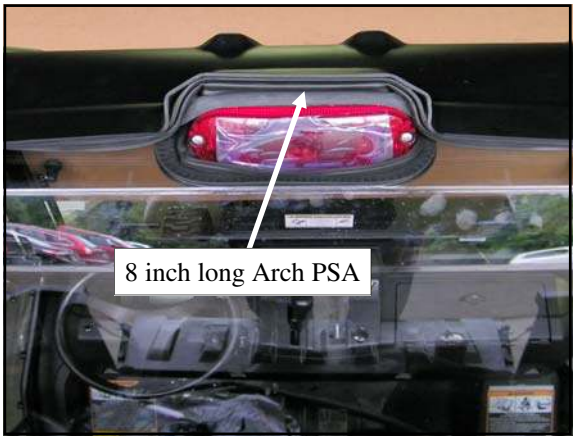


Fig. 5.2b

Fig. 5.3

5. ROOF (cont'd.)

5.4 Turn the roof panel brackets to the correct position and tighten the screws. Note: see the arrows in photo.

5.5 Per fig. 5.5 (which shows the front of the roof), install the M8x60 bolt, hard plastic washer, and rubber washer from the outside as shown. On the inside will be the long spacer bushing, a steel washer, and locknut. **CAUTION: countersunk holes in hard plastic are sensitive to high torque. To avoid cracking the plastic, do not overtighten the bolts. Torque to 7 ft.-lbs. max.**

5.6 Per fig. 5.6 (which shows the rear of the roof), install the 40mm long bolt, hard plastic washer, and one rubber washer from the outside as shown. On the inside will be one rubber washer (to protect the polycarbonate), one steel washer, and one locknut.

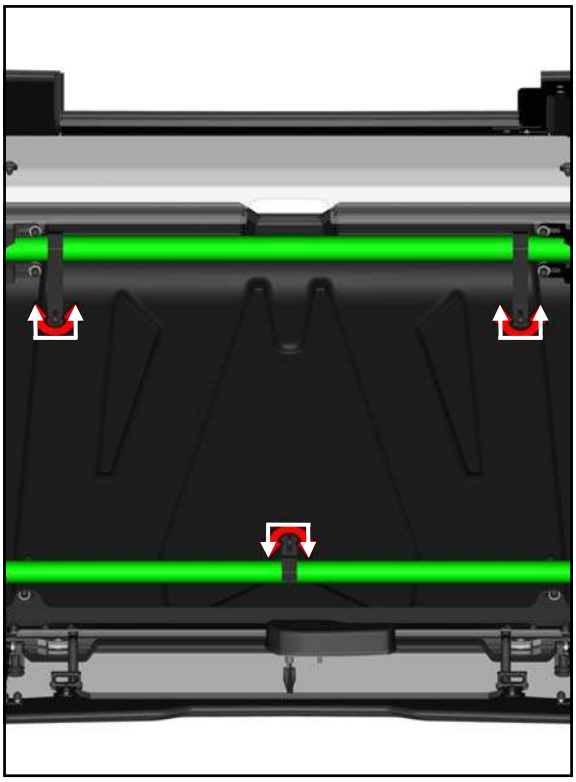


Fig. 5.4

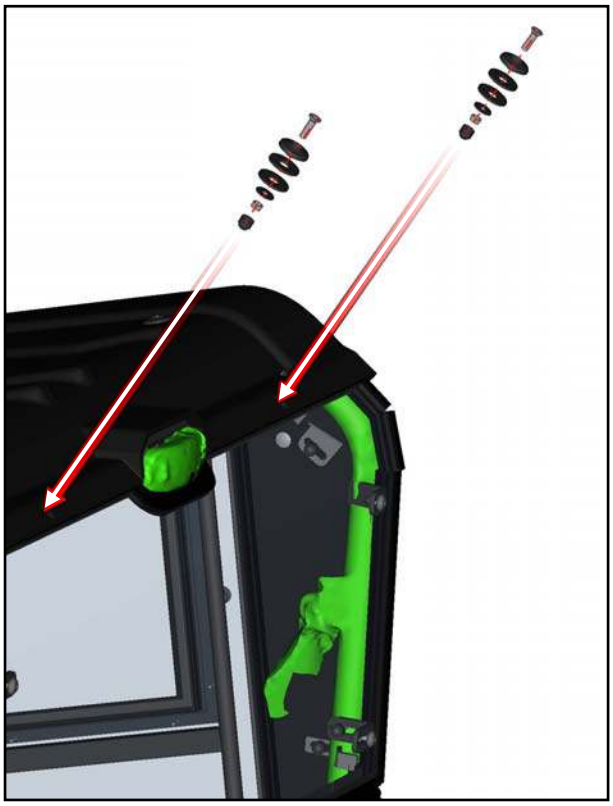


Fig. 5.6

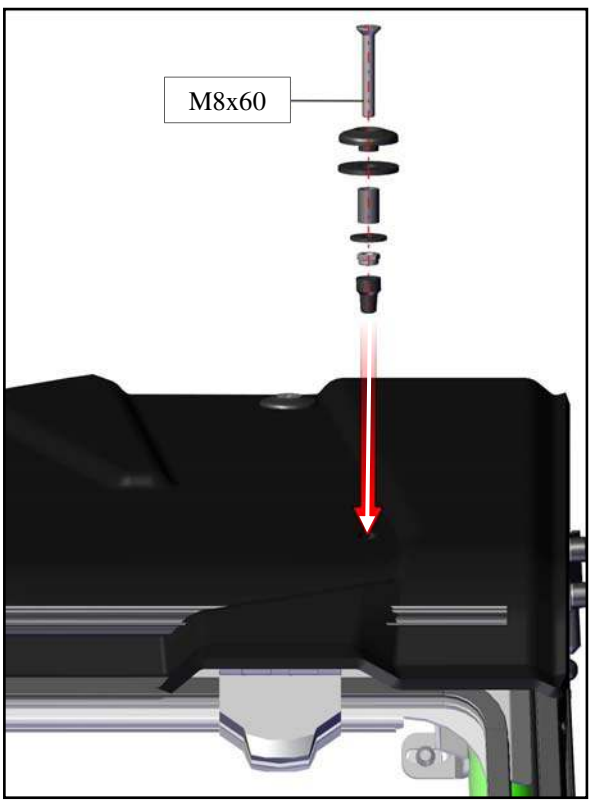


Fig. 5.5

6. DOORS

6.1 Install included washers (M10) and place the left door onto the hinges. One washer per pin.

6.2 Loosen the screws holding the hinges (where indicated in photo).

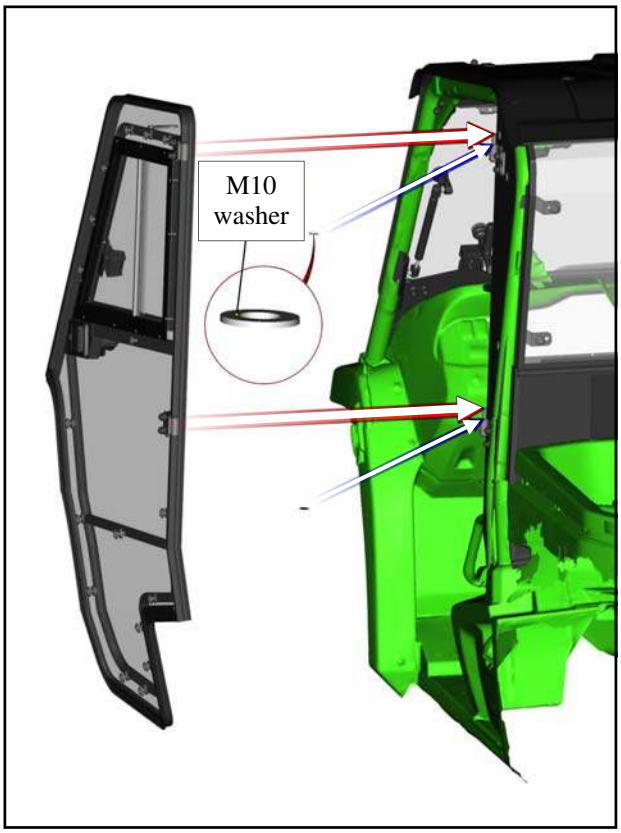


Fig. 6.1

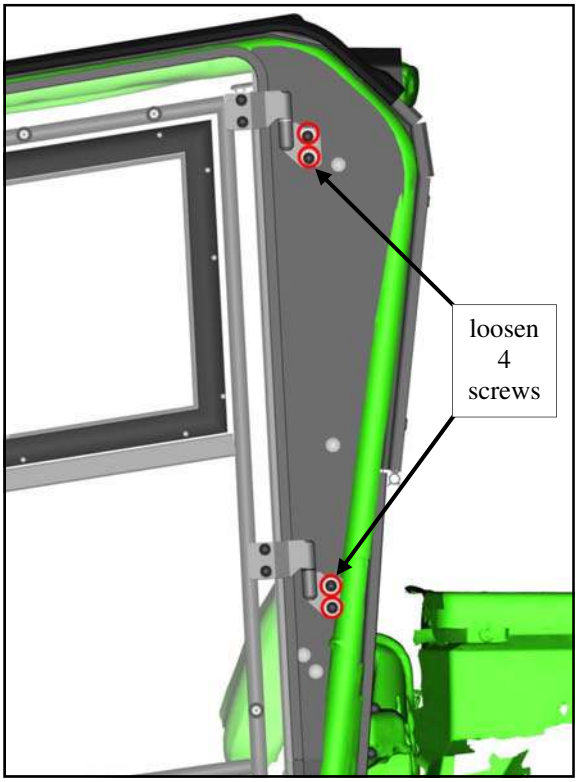


Fig. 6.2

6. DOORS (cont'd.)

6.3 Align the left door to the best position and tighten the screws. Note: see the dark arrows in the photo.

6.4 Install the door stop assembly into the left door stop bracket.

6.5 Place the door stop assembly onto the previously installed screws.

Fig. 6.3

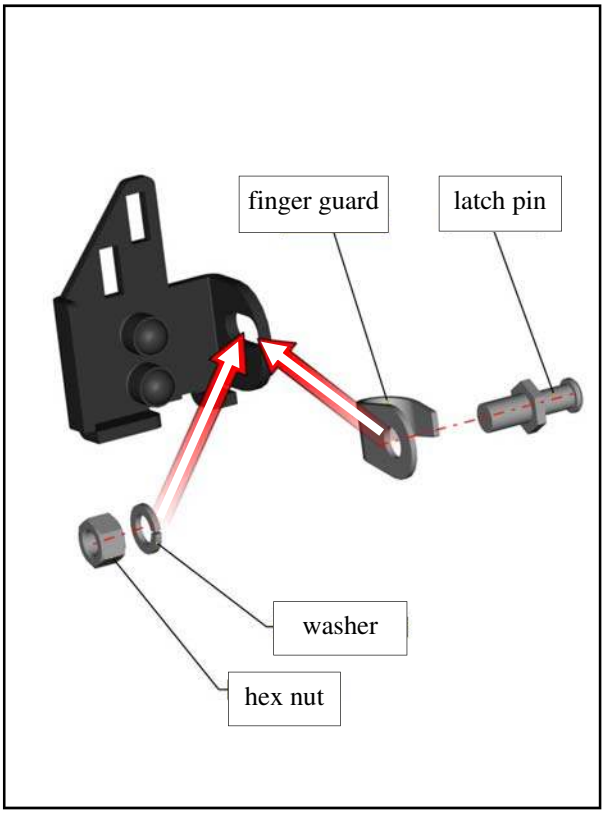


Fig. 6.4

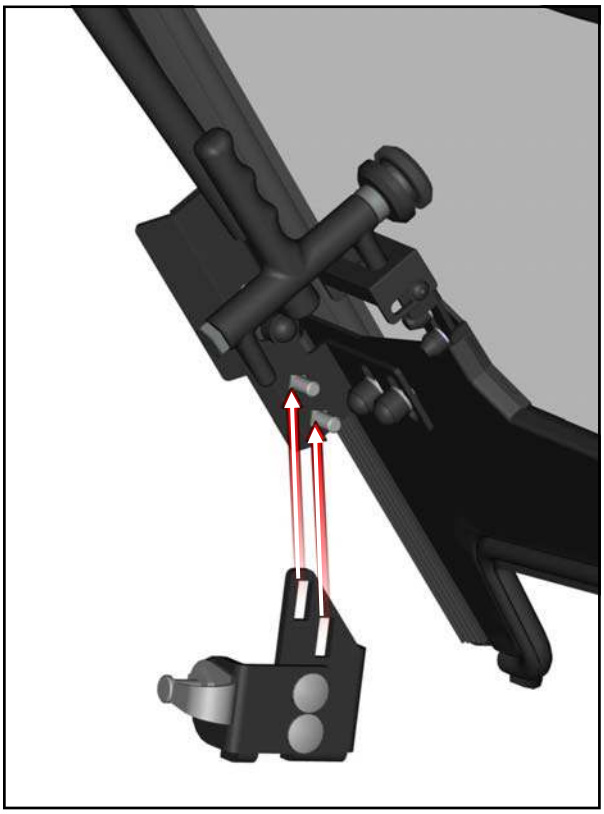


Fig. 6.5

6. DOORS (cont'd.)

6.6 Attach the door stop assembly with included washers and nuts. Tighten the nuts gently.

6.7 Adjust the left door stop assembly into the best position and tighten screws. See arrows in photo.

6.8 Mount the door gas springs oriented so the piston rod is towards the front of the vehicle.

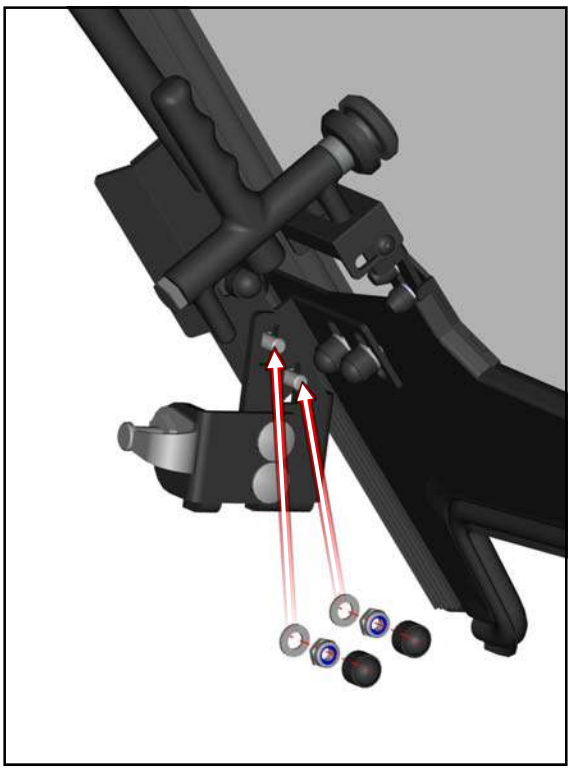


Fig. 6.6

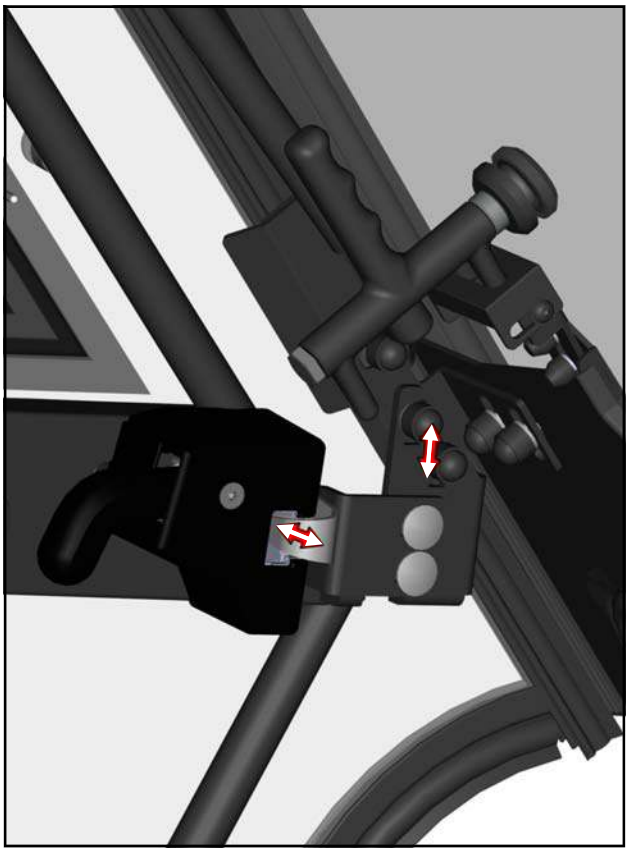


Fig. 6.7

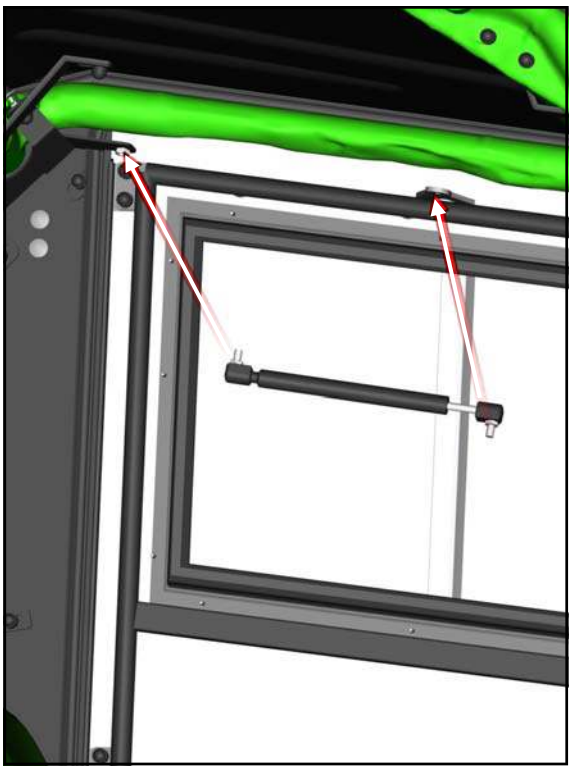


Fig. 6.8

6. DOORS (cont'd.)

6.9 Repeat the previous steps with the right door assembly.

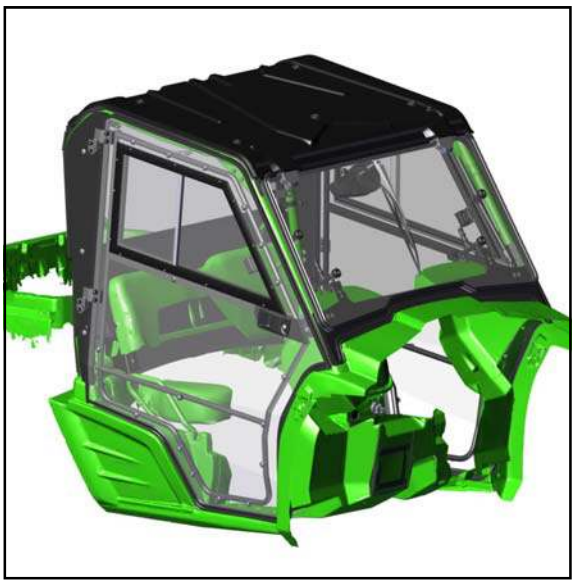


Fig. 6.9

7. OPTIONAL WIPER

7.1 If a separate wiper was purchased, follow the instructions included with that kit. **CAUTION:** the inside surface of the windshield is coated with a plasticized safety film. Use care to avoid scratching the inside surface.

8. FINISHING TOUCHES

Caution: use care when tightening any flat head screw in countersunk holes in plastic components to avoid cracking. **Torque to 7 ft.-lbs. max.**

IMPORTANT: ROPS hardware must be torqued to the appropriate values on the BOLT TORQUE chart at the end of this manual.

Tighten all hardware at this time

Per fig. 8.1 (passenger's side shown), it may be necessary to add bulb rubber to close up gaps. The supplied weatherseal (the rubber with the small ridges) can be added to the front face of the ROPS tubing underneath the windshield bulb rubber for improved sealing. Note: apply to a clean, dry surface for best adhesion. The supplied Arch PSA ("D" shaped rubber) can be applied to the side of the ROPS tube as shown if a gap from the door needs to be closed off.

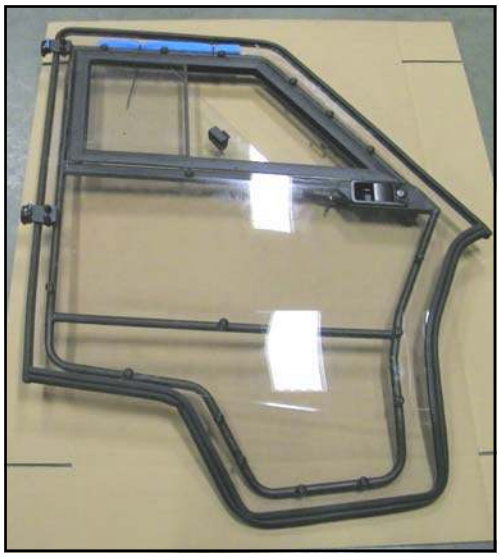
Silicone sealant can be used to close up any small surface transition areas/openings around the entire cab.

If the doors do not seal properly, it is acceptable to use care and bend the door frames to fit better.

Fig. 8.1

SERVICE PARTS

Left Door Assembly
p/n: 8SV-6310-07L



Right Door Assembly
p/n: 8SV-6310-07R

Upper Rear Panel Assembly
p/n: 8SV-6310-06

Front Panel Assembly
p/n: 8SV-6310-02

Roof Assembly
p/n: 8SV-6310-01

ADDITIONAL SERVICE PARTS

John Deere Gator XUV590i ClearView Cab p/n: 1JD590CV

PART NUMBER:	DESCRIPTION:
9SV-DSTRH	DOOR STRIKER KIT (SET OF 5)
9SV-HWS	WINDSHIELD HINGE KIT (SET OF 2) (COMES WITH 3/4" SPACER BLOCK AND NYLON HINGE BUSHING)
9SV-00002	GAS SPRING (QTY.: 2) (WINDSHIELD)
9SV-00006	INNER DOOR HANDLE (QTY.: ONE) (SAME ON ALL DOORS)
9SV-00007	OUTER DOOR LATCH (QTY.: ONE)
9SV-00008	DOOR HINGE SLEEVE, LEFT (QTY.: 2)
9SV-00022	DOOR HINGE PIN, LEFT (QTY.: 2)
9SV-00023	DOOR HINGE PIN, RIGHT (QTY.: 2)
9SV-00038	GAS SPRING HOLDER (QTY.: ONE)
9SV-00040	DOOR HANDLE (QTY.: ONE)
9SV-00041	LEFT INNER DOOR LOCK (QTY.: ONE)
9SV-00043	RIGHT INNER DOOR LOCK (QTY.: ONE)
9SV-00046	RIGHT DOOR HINGE (QTY.: 2)
9SV-00048	GAS SPRING (QTY.: 2) (DOORS)
9SV-00064	GLASS STOP (QTY.: ONE)
9SV-00069	FRONT GLASS LOCK (PLASTIC) (QTY.: 2)
9SV-00072	GLASS LOCK ASSEMBLY (QTY.: ONE)
9SV-00098	HARD PLASTIC WASHER WITH COUNTERSINK (QTY.: ONE)

BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

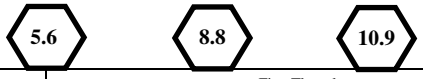
Use the following torques when special torques are not given. These values apply to fasteners as received from suppliers, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both 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 Pounds Feet		TORQUE Newton-Meters		TORQUE Pounds Feet		TORQUE Newton-Meters		TORQUE Pounds Feet		TORQUE 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 Pitch (mm)	Course Thread Pounds Feet	Course Thread Newton-Meters	Fine Thread Pitch (mm)	Fine Thread Pounds Feet	Fine Thread 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