INSTALLATION & OWNER'S MANUAL

CAN-AM DEFENDER

ClearView Cab p/n: 1CANDEFCV
This cab fits model years: 2016-2017

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)

A windshield wiper is not included with this cab kit. It is available as a separate additional option (p/n: 1CANDEFCVWPR).

Door mirrors are not included, but are available as a separate additional option (p/n: 9PM6).

revised: 3-22-2017

NOTICE

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.

CAB INSTALLATION

BEFORE YOU START

HELPFUL HINTS:

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

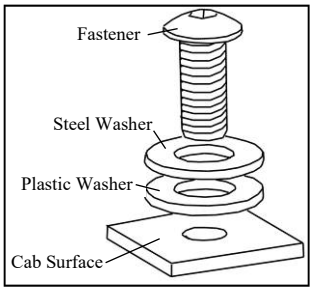
B. To assist with the cab installation, leave all bolts loose for later adjustment unless otherwise specified. Install nut covers as a very last step after finishing the installation.

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.



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 half doors or nets from the vehicle.

2. REAR PANEL

2.1 Loosen the rear panel bracket screws and place the rear panel onto the UTV roll cage.

2.2 Turn the rear panel brackets into the correct position on both sides.

2.3 Adjust the rear panel into the best position and tighten the bracket screws.

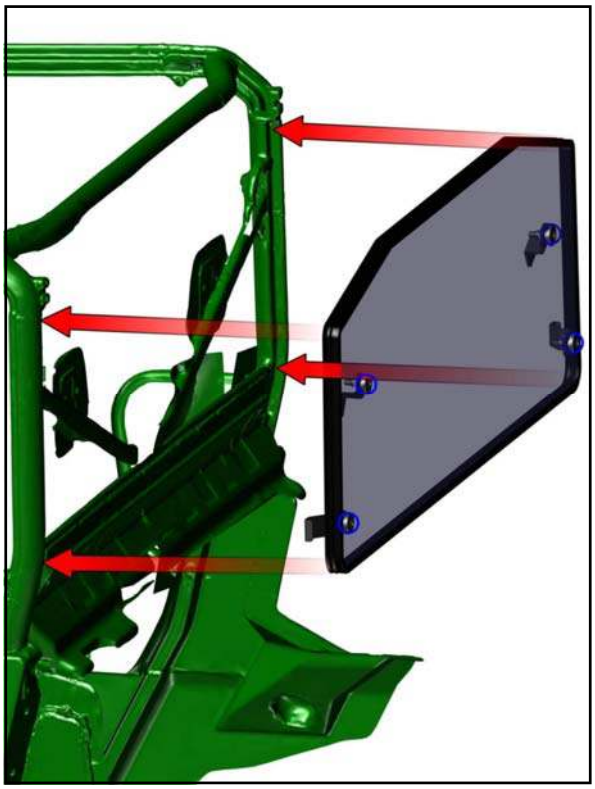


Fig. 2.1

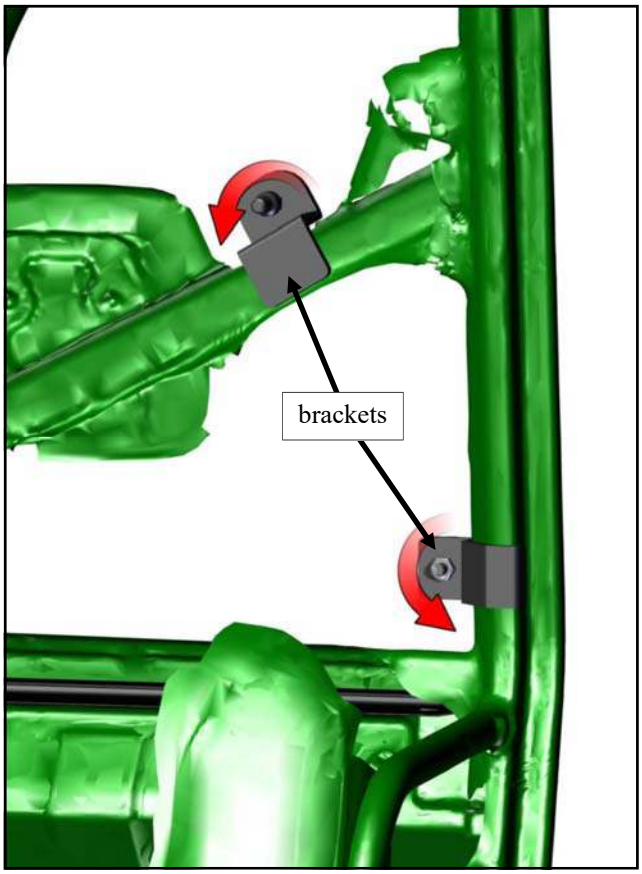


Fig. 2.2

Fig. 2.3

3. FRONT PANEL

3.1 Place the right front console assembly onto the UTV roll cage and secure with M8 x 70 screws.

3.2 Place the front glass assembly onto the front UTV roll cage ledge and secure with M8 x 30 screws.

3.3 Install the gas spring into the gas spring holders on both sides.

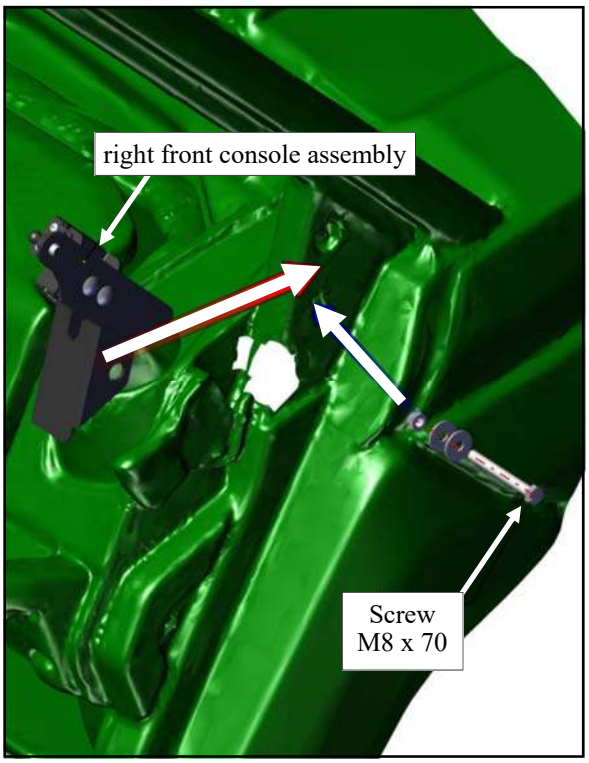


Fig. 3.1

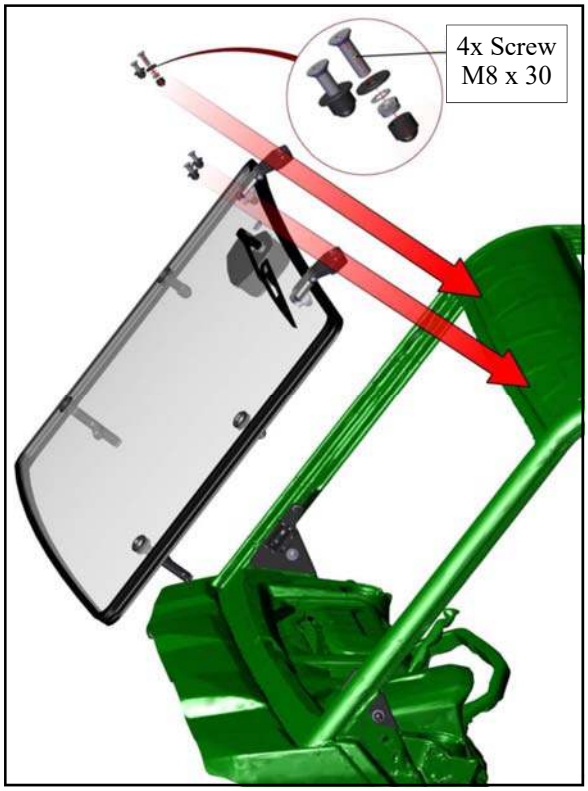


Fig. 3.2

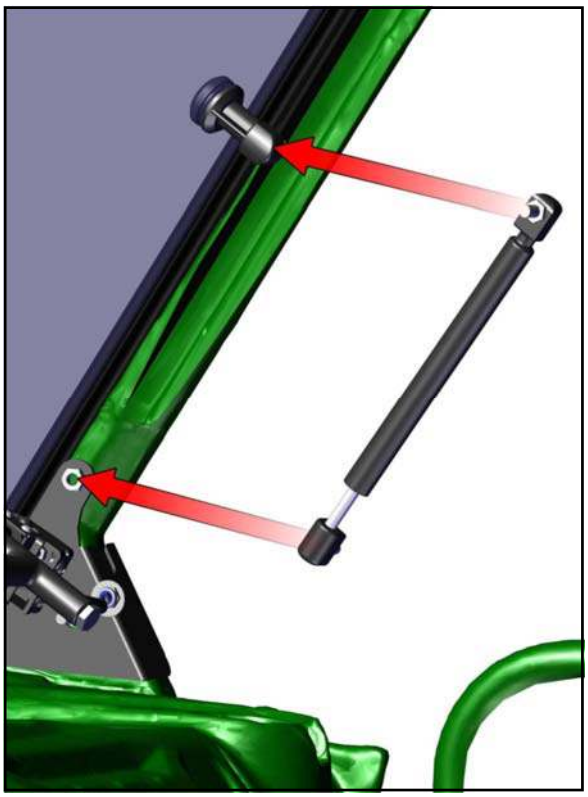


Fig. 3.3

3. FRONT PANEL (cont'd.)

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

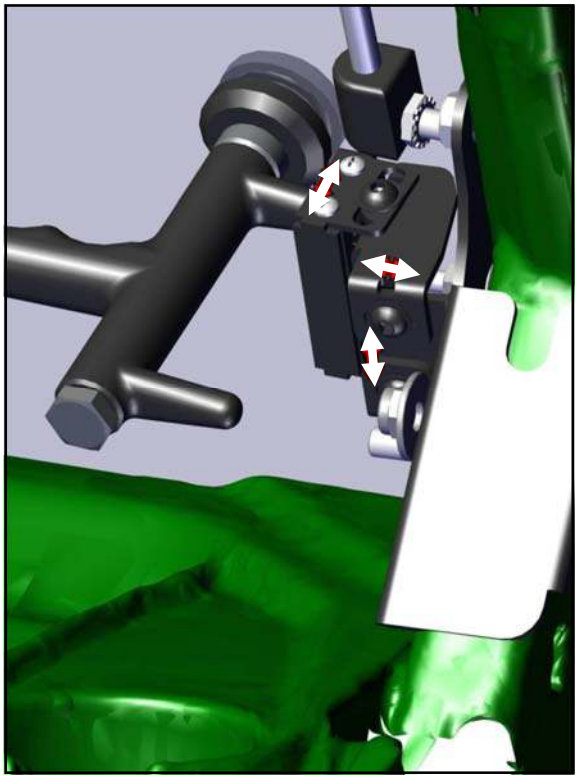


Fig. 3.4

4. ROOF

4.1 Place the plastic roof onto the UTV roll cage and adjust the roof into best position.

4.2 Attach the roof to the UTV roll cage using M8 x 35 screws.

Fig. 4.1

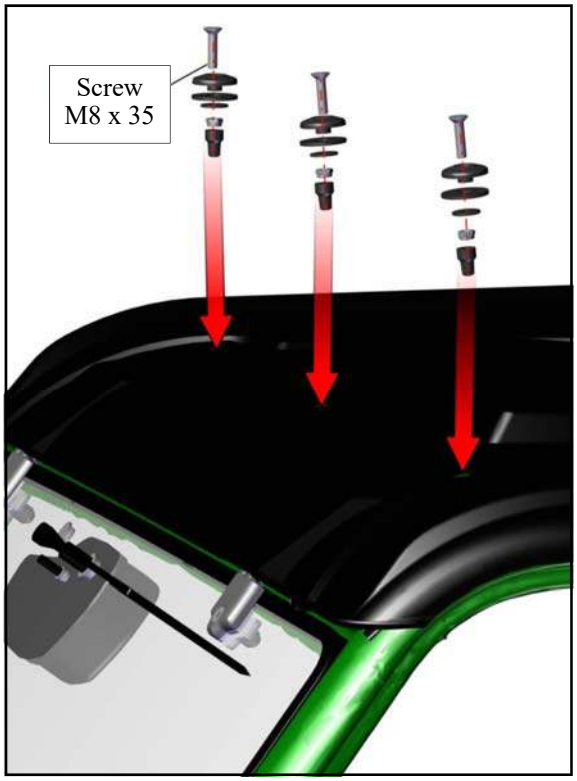


Fig. 4.2

5. DOORS

5.1 Before installing the doors, it is necessary to remove the handle bars shown in fig. 5.1. Loosen the screws (shown in white circles in the image) and remove the handle bars.

5.2 Remove the hinge pin covers from the hinges. Place the hinge onto the hinge bases and assemble using M8 x 20 screws.

5.3 Place the hinges onto the UTV roll cage and attach with M8 x 30 screws. **Do not switch the position of the upper and lower hinges.**

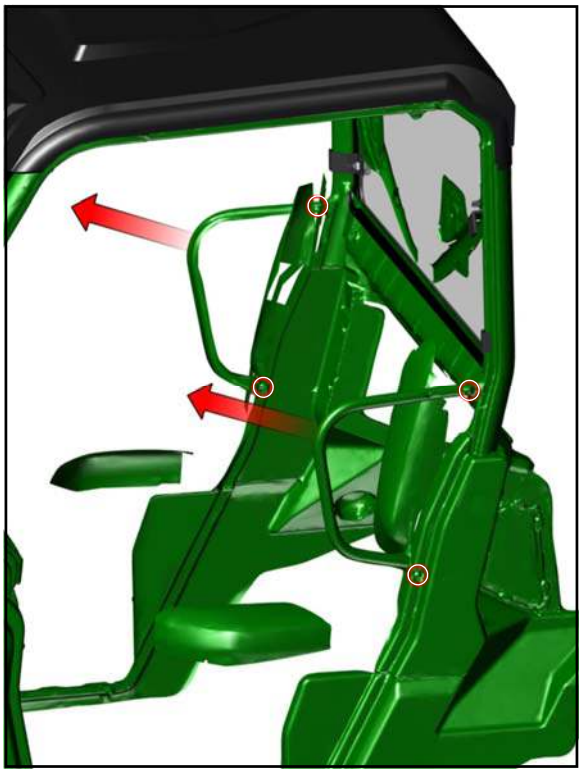


Fig. 5.1

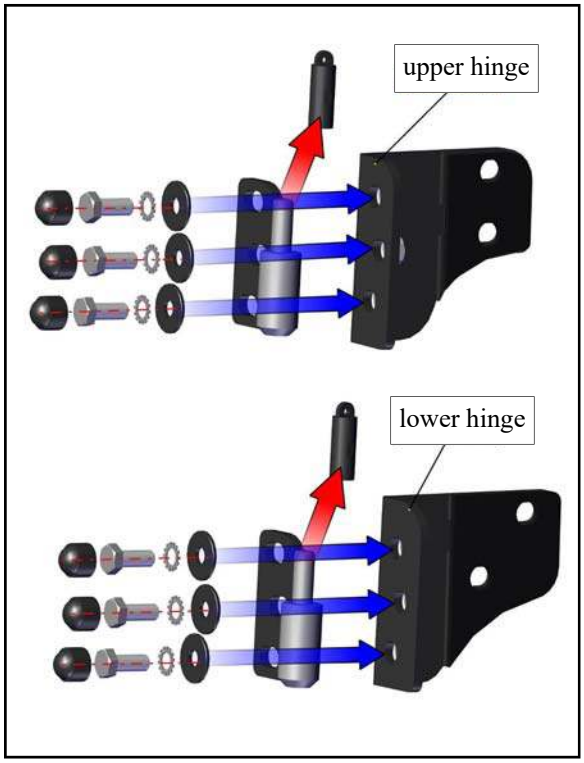


Fig. 5.2

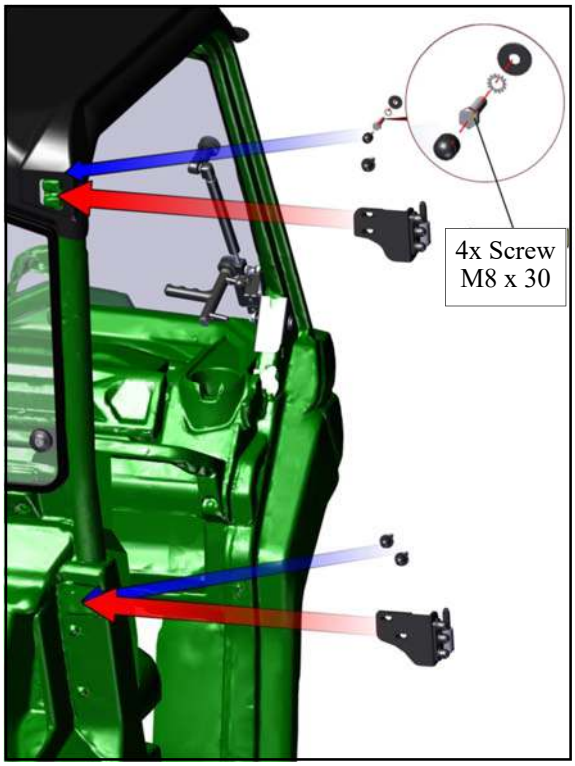


Fig. 5.3

5. DOORS (cont'd.)

5.4 Install the door stop assembly into the holder and place the whole assembly onto the right door stop base. Assemble as shown.

5.5 Remove the nut and washer from the right front console bracket assembly. Place the right door stop assembly onto the right front console and attach.

5.6 Install 10mm washers onto the hinge pins and place the right door onto the hinges.

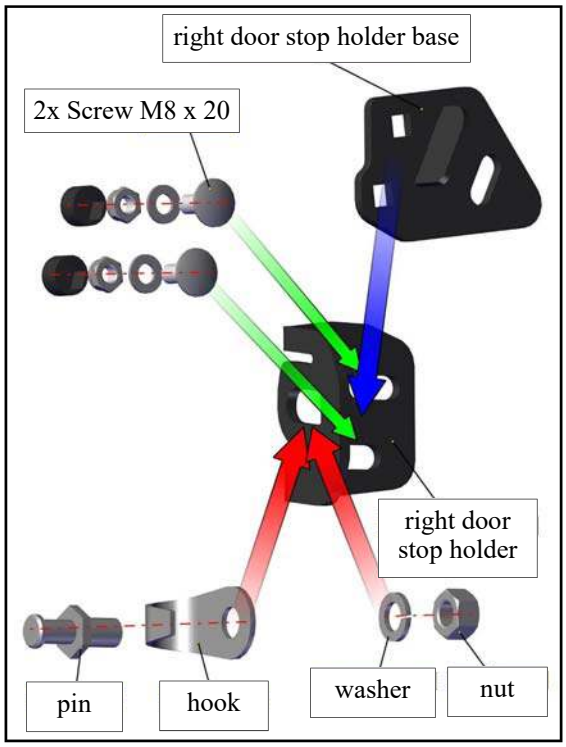


Fig. 5.4

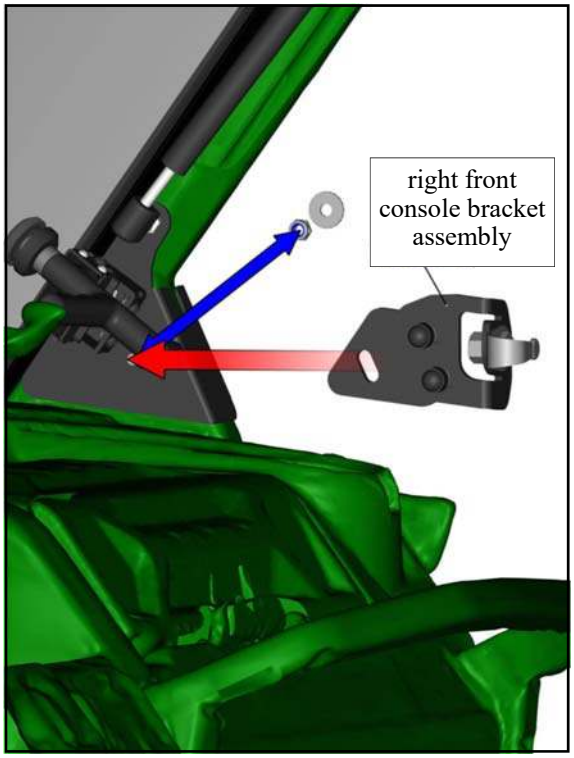


Fig. 5.5

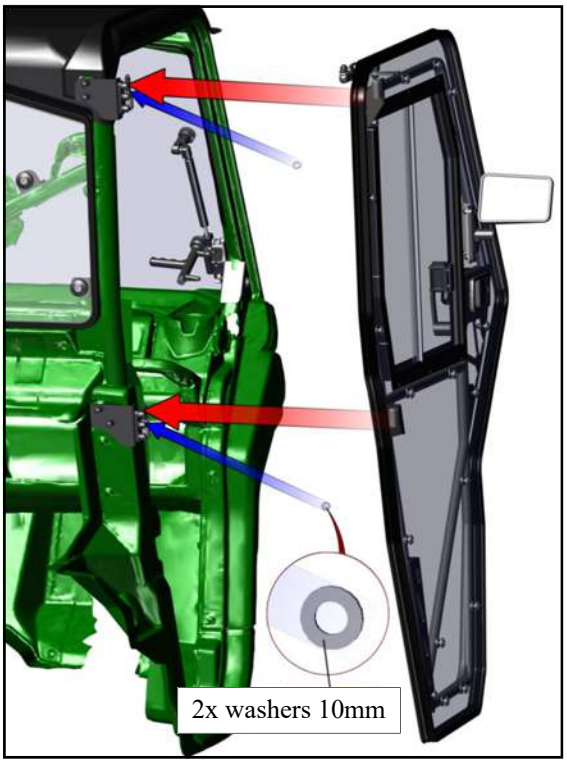


Fig. 5.6

5. DOORS (cont'd.)

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

5.8 Place the gas spring holder onto the UTV roll cage welded bracket and attach with M6 x 13 screws.

5.9 Install the gas spring into the gas spring holders and attach with M8 self-locking nuts.

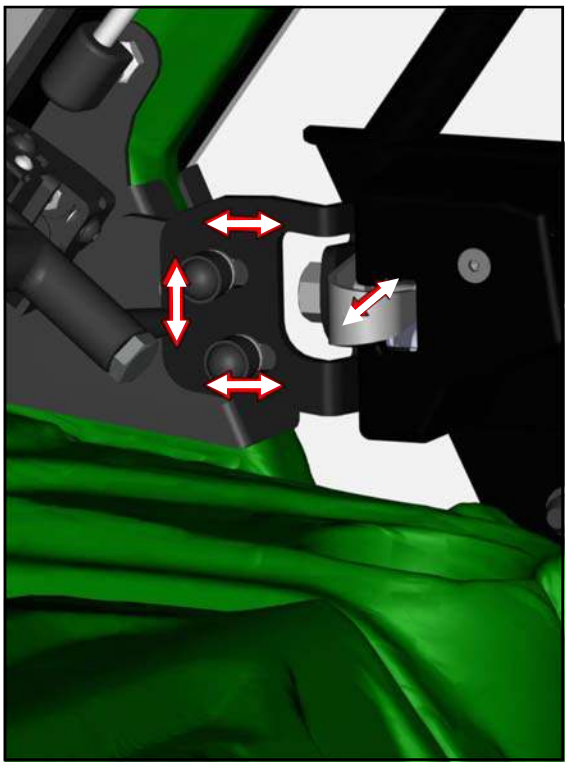


Fig. 5.7

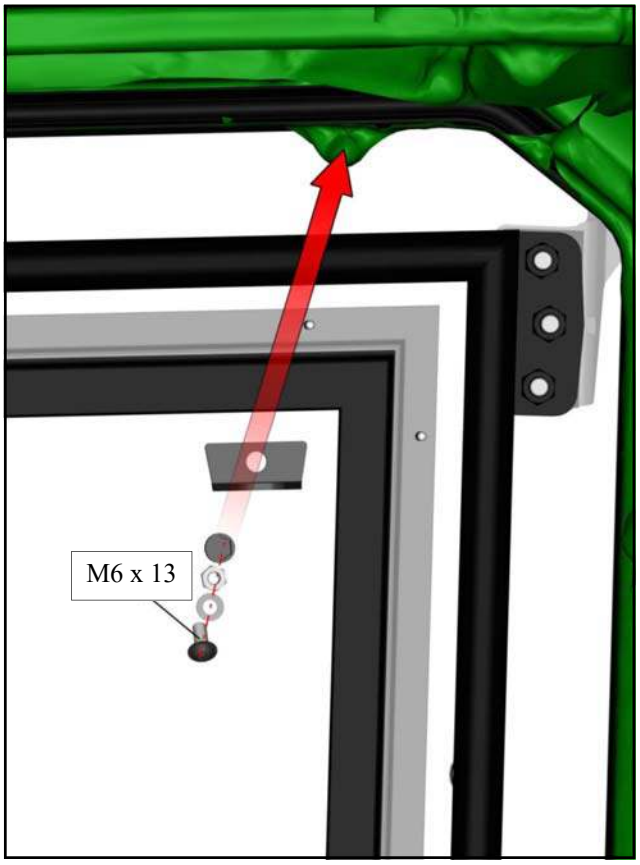


Fig. 5.8

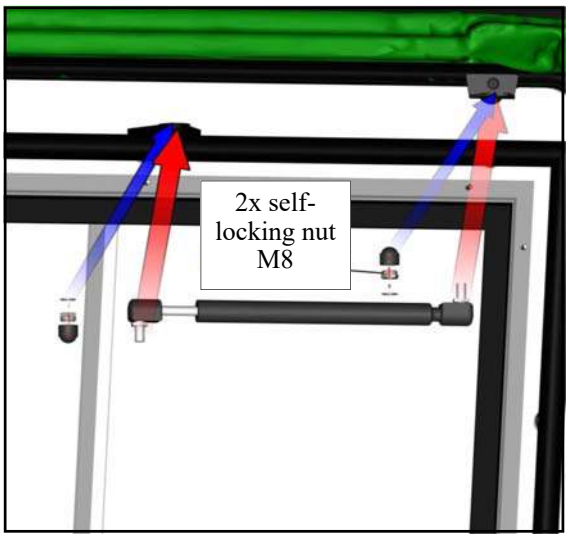


Fig. 5.9

5. DOORS (cont'd.)

5.10 Repeat previous steps with the left door assembly.

6. OPTIONAL WIPER

6.1 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.

7. 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. 7.1, the supplied weatherseal should 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.

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.

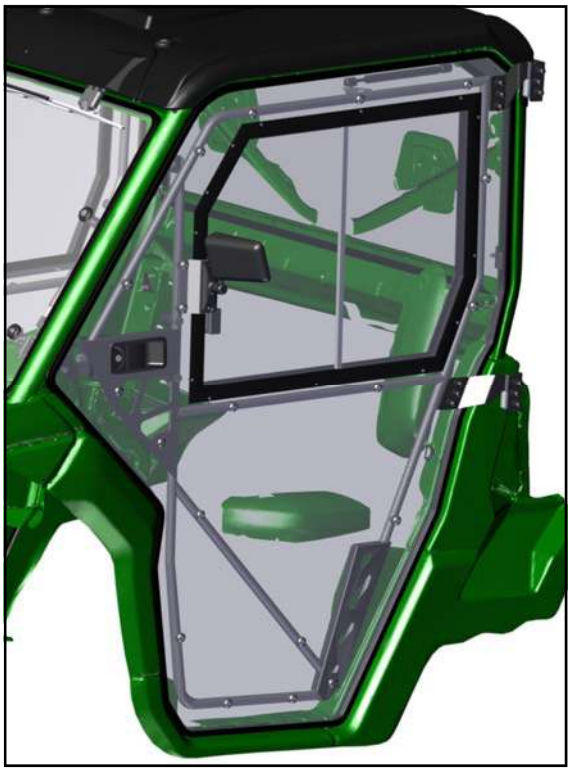


Fig. 5.10

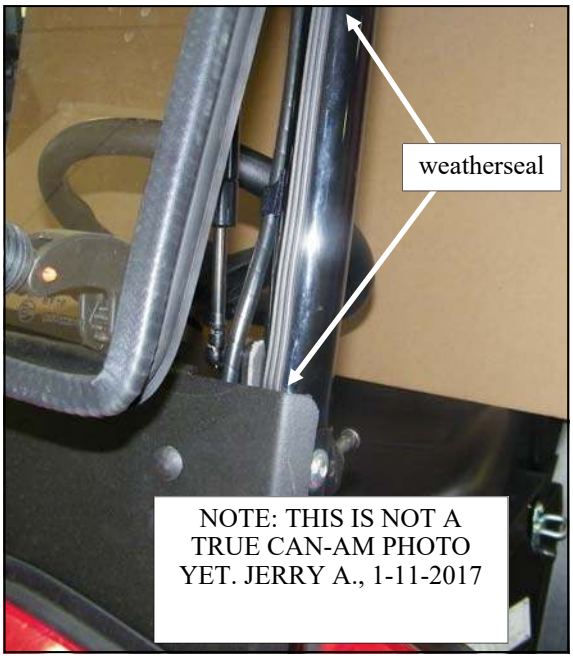
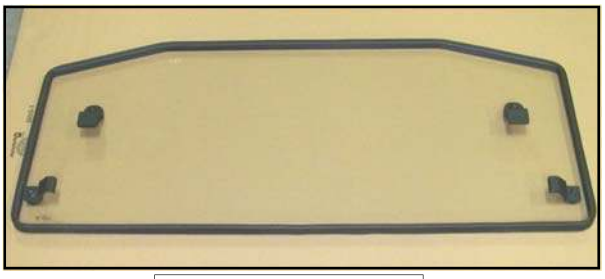


Fig. 7.1

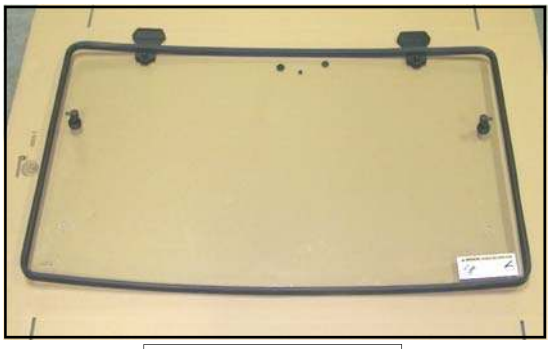
SERVICE PARTS

Left Door Assembly
p/n: 8SV-5610-07L

Right Door Assembly
p/n: 8SV-5610-07R



Rear Panel Assembly
p/n: 8SV-5610-06



Front Panel Assembly
p/n: 8SV-5610-02

Roof Assembly
p/n: 8SV-5610-01

ADDITIONAL SERVICE PARTS

Can-Am Defender ClearView Cab p/n: 1CANDEFCV

PART NUMBER:	DESCRIPTION:
9SV-00002	GAS SPRING (SET OF 2) (FOR DOORS)
9SV-00007	OUTER DOOR LATCH (QTY.: ONE) (SAME ON BOTH DOORS)
9SV-00027	FRONT GLASS LOCK (METAL) (QTY.: 2)
9SV-00038	GAS SPRING HOLDER (QTY.: ONE)
9SV-00041	LEFT INNER DOOR LOCK (QTY.: ONE)
9SV-00043	RIGHT INNER DOOR LOCK (QTY.: ONE)
9SV-00048	GAS SPRING (QTY.: 2) (FOR WINDSHIELD)
9SV-00064	GLASS STOP (QTY.: ONE)
9SV-00072	GLASS LOCK ASSEMBLY (QTY.: ONE)
9SV-00076	LEFT FRONT GLASS HINGE ASS'Y. (QTY.: ONE)
9SV-00077	RIGHT FRONT GLASS HINGE ASS'Y. (QTY.: ONE)
9SV-00080	LEFT DOOR STOP ASSEMBLY (QTY.: ONE)
9SV-00081	DOOR HANDLE ASSEMBLY (QTY.: ONE) (SAME ON BOTH DOORS)
9SV-00082	LEFT BOTTOM FRAME HINGE ASS'Y. (QTY.: ONE)
9SV-00083	LEFT BOTTOM DOOR HINGE ASS'Y. (QTY.: ONE)
9SV-00084	LEFT UPPER FRAME HINGE ASS'Y. (QTY.: ONE)
9SV-00085	LEFT UPPER DOOR HINGE ASS'Y. (QTY.: ONE)
9SV-00086	RIGHT DOOR STOP ASSEMBLY (QTY.: ONE)
9SV-00087	RIGHT BOTTOM FRAME HINGE ASS'Y. (QTY.: ONE)
9SV-00088	RIGHT BOTTOM DOOR HINGE ASS'Y. (QTY.: ONE)
9SV-00089	RIGHT UPPER FRAME HINGE ASS'Y. (QTY.: ONE)
9SV-00090	RIGHT UPPER DOOR HINGE ASS'Y. (QTY.: ONE)
9SV-00102	ROOF HARDWARE, FRONT, 1 EA. OF 6 DIFF. ITEMS (QTY.: ONE SET) (REF.: 3 SETS PER FULL ROOF SETUP)

BOLT TORQUE

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLE

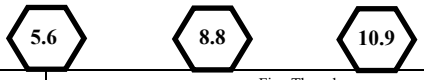
Use the following torques when special torques are not given. These values apply to fasteners as received from suppliers, dry, or when lubricated with normal engine oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both 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