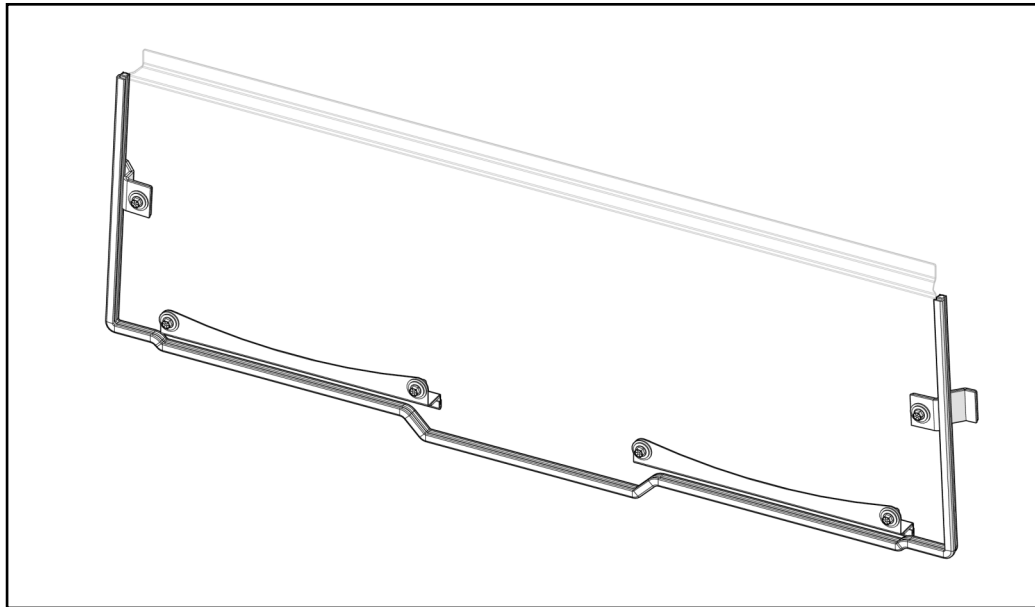




Polaris Ranger 1000 Rear Panel Kit **Kit p/n:1POLXP1000RP**

Fits UTV Models:
POLARIS RANGER 900, XP 900, 1000 & XP 1000



Available Options:

1. Door Kit (P/N: 1POLXP1000DR)
2. Windshield Kit (P/N: 1POLXP1000WS)
3. Roof Kit (P/N: 1POLXP1000RF)
4. Front Wiper Kit (P/N 1POLXP1000WK)
5. Side View Mirrors (P/N: 9PM5)
6. Door Restraint Kit (P/N: 1POLXP1000GS)

Approximate Installation Time *

Experienced Dealer Technician – 15 minutes

Average Dealer Technician – 20 minutes

Do-It-Yourself – 30 minutes

(*=Not including accessories)

Approximate Product Specifications

Weight: 10.75 lbs.

Register your new product quickly online at
Curtiscab.com/product-registration/



Curtis encourages all customers to register their Curtis products. However, failure to do so will not diminish right to warranty. Curtis Industries does not sell or share your information with anyone else.

Download a digital copy of your installation instructions online at Curtiscab.com/literature/



Curtis strives to continuously improve our products, technical documentation, etc. Therefore, the installation manual for this product may have been updated after your product was packaged. The latest revision of the installation manual can always be found at the website above.

The contents of this envelope are the property of the owner. Leave with the owner when installation is complete.

Rev. A, 06/30/2021

p/n: IM-1POLXP1000RP

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WARNINGS, TIPS, & REQUIRED TOOLS

Curtis cabs, kits, and accessories feature an assembly of parts designed for your vehicle which require adjustment and alignment of components to accommodate vehicle variations and provide proper weather protection. For accurate installation, proper operation, and years of satisfaction, please read and understand the installation and owner's manual fully prior to installing the rear panel.

From all of us at Curtis, we thank you for choosing our product.

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 Health and Safety Proposition 65 Warning: This product may contain chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

GENERAL INFORMATION BEFORE YOU START

HELPFUL HINTS:

- Refer to parts diagram found in the service parts section of this manual to help identify parts during the assembly process.
- To assist with the rear panel installation, leave all fasteners loose for later adjustment unless otherwise specified.
- Read and understand all instructions before beginning.
- Apply a silicone sealant to seal any minor gaps that may occur due to vehicle variations.
- Before installing parts with factory installed rubber, make sure the rubber is fully installed onto the parts for proper fit and sealing.

TOOLS REQUIRED:

- Set of Standard and Metric Sockets (3/8" Drive)
- 3/8" Drive Ratchet and Long Drive Extension
- Set of Standard and Metric Open-End Wrenches
- Snips

KIT INSTALLATION

STEP 1: (KIT INSTALLATION)

If installing multiple Curtis Polaris Ranger 1000 kits, install in the following order.

1. Doors
2. Windshield
3. Rear Panel
4. Roof

- 1.1 Per figure 1.1, install both lower mounting bracket assemblies to the inside surface of the rear panel using hardware listed below. Make sure that the rubber washer is against the outside surface of the rear panel.

<u>Hardware Used</u>	<u>Qty</u>
5/16-18 X 1 Hex Head Flange Screw	4
5/16-18 Hex Flange Nut	4
5/16 X 1-1/4 Steel Washer	4
5/16 X 1-1/4 Rubber Washer	4

Tools required

1/2" socket and wrench

- 1.2 Per figures 1.2a and 1.2b, install rear panel with brackets onto the vehicle's frame behind the seat back. Then flex the rear panel and hook it around the rear panel header. If the rear panel is loose in the vertical position, adjust the lower mounting brackets to take up the vertical play.

Tools required

1/2" socket and wrench

- 1.3 Per figure 1.3, install 2 clamp bracket assemblies to the inside of the rear panel making sure that the bracket is touching the inside surface of the ROPS.

<u>Hardware Used</u>	<u>Qty</u>
5/16-18 X 1 Hex Head Flange Screw	2
5/16-18 Hex Flange Nut	2
5/16 X 1-1/4 Steel Washer	2
5/16 X 1-1/4 Rubber Washer	2

Tools required

1/2" socket and wrench

- 1.4 Per figure 1.4, if the Curtis Roof is being installed on this vehicle, a piece of 3/4" side bulb rubber with 2 wipers will need to be installed on the rear flange of the roof (rubber should be facing forward). If not, this kit installation is now complete.

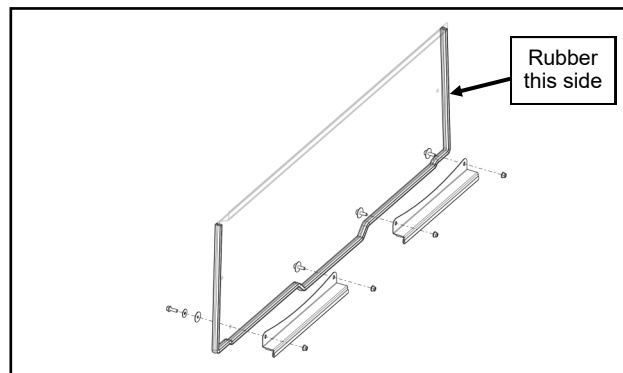


Fig. 1.1 (Install Brackets onto Rear Panel)

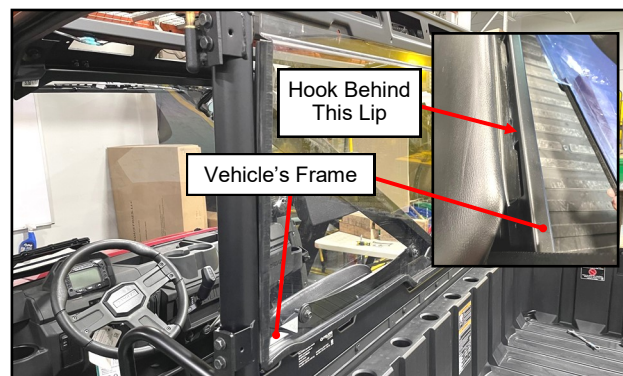


Fig. 1.2a (Hook Rear Panel onto Frame)

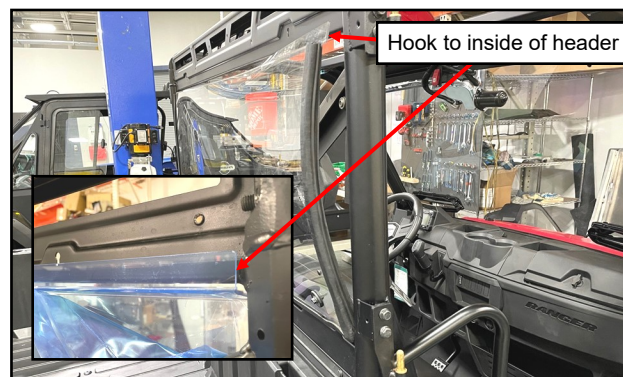


Fig. 1.2b (Flex rear panel into the inside of header)

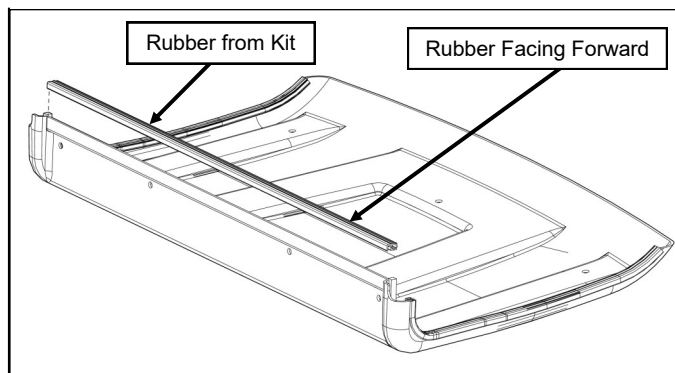


Fig. 1.4 (Install rubber on roof, if roof is being installed)

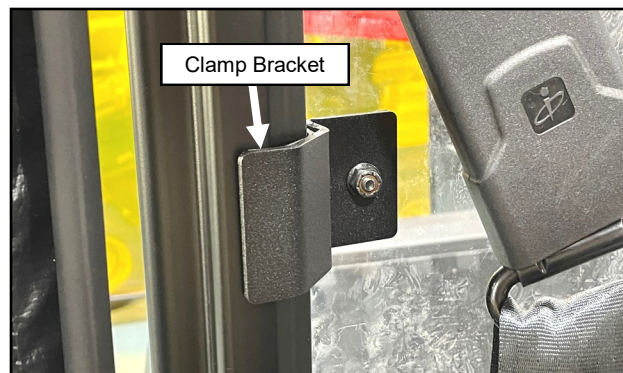


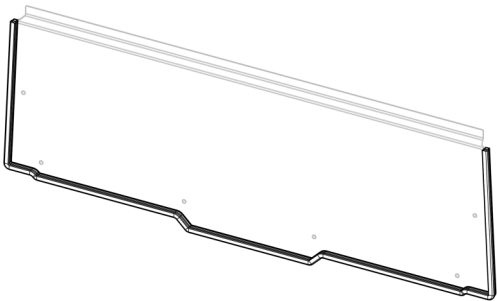
Fig. 1.3 (Install Clamp Brackets)

CARE AND MAINTENANCE

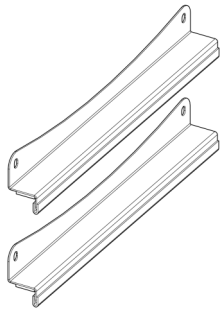
- Check and tighten hardware after 40 hours of operation. Periodically inspect and tighten hardware for the remainder of the unit's life.
- **DO NOT** clean polycarbonate windows with harsh chemicals. It will damage the plastic. Mild soap and water should be used on the rear panel.

POLARIS RANGER 1000 REAR PANEL KIT SERVICE PARTS

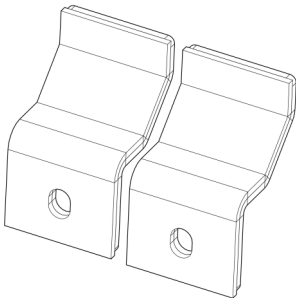
REAR PANEL W/ RUBBER
P/N: 8SV-P-00136



LOWER MNT BRACKET ASSY (SET OF 2)
P/N: 8SV-113-00243



CLAMP BRACKET ASSEMBLY (SET OF 2)
P/N: 8SV-110-00093



3/4" SIDE BULB, 1/16" GRIP	TRIM LOK, STD, 1/16" - 1/8" GRIP	FOAM TAPE, 1/8" X 2"	FOAM TAPE, 1/8" X 1"	7/16" SIDE BULB, 1/8" GRIP
9SV-PR17-5	9SV-PRO1-20	9SV-PR35-5	9SV-PR39-5	9SV-PR58-10








Torque Specs. for Structural Bolts

This page is for use primarily when dealing with high-strength vehicle fasteners such as ROPS hardware that hold the structure together for safety. This page can also be used for other solid metal-to-metal joints. **Do not** use these high torque values on any of the following applications involving: tubing, plastic, nylon or rubber washers, threaded inserts, etc.. See next page regarding less critical fasteners.

The values below apply to fasteners that are dry or 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 the same grade or property class 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			
Inches	Millimeters	Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters	
Min.	Max.	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

5.6

8.8

10.9

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

Tightening of Non-Structural Bolts

For light or medium duty fastening, Curtis recommends using a general industry standard of tightening until snug and then giving an additional one quarter turn of the tool as deemed reasonable for the application (i.e.: at the installer's discretion).

If torque values are required, the examples listed below are intended as a reasonable reference for use in the majority of non-structural fastener applications such as: small diameter fasteners; bolts passing thru tubing, glass, plastic, nylon or rubber washers, threaded inserts, etc.

If more than one application below applies, use the lower torque value.

FASTENER SIZE:	FASTENER TYPE:	WASHER MATERIAL:	APPLICATION:	TORQUE (INCH-POUNDS) (±5)
#10	Machine Screws	-	in Nylon P-Clamps	20
#10	Machine Screws	-	Strobe Light (plastic base)	35
M5	Set Screws	-	Wiper Arm	20
1/4"	Cap Nut	-	Windshield Wiper	20
1/4"	Bolts	-	Tubing (5/8" to 3/4" wide)	132
1/4"	Bolts	Rubber	-	60
1/4"	Bolts	Nylon / Plastic	-	72
1/4"	Bolts	-	Factory Installed Threaded Inserts	132
5/16"	Bolts	-	Tubing (1" or wider)	60
5/16"	Flat Head Bolts	-	Plastic Windshield Hinge	79
5/16"	Bolts	Rubber	-	120
5/16"	Bolts	Nylon / Plastic	-	150
5/16"	Ball Studs	-	-	150
5/16"	Bolts	-	Factory Installed Threaded Inserts	240
3/8"	Bolts	-	Tubing	120
M12	Door Striker Pins	-	-	120