



POLARIS RANGER XP 900 and XP 1000 EPS ClearView Cab p/n: 1POLXP900CV This cab fits model years: 2013-2017

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: 1POLXP900CVWPR).

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

revised: 01-05-2017



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



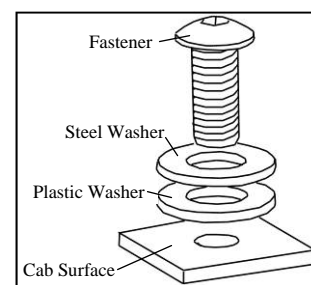
Engine exhaust, some of its constituents, certain vehicle components and fluids, contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CAB INSTALLATION

BEFORE YOU START

HELPFUL HINTS:

- Refer to parts diagram toward the back of this manual to help identify parts during the assembly process.
- 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.
- Read and understand all instructions before beginning.
- 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.
- Apply a clear silicone sealant to seal any minor gaps that may occur due to vehicle variations.
- 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

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 roof and the OEM half doors or nets from the vehicle.

NOTE: on 2017 models, the newly designed arm rests are “bolt-on” so they need to be removed to prevent interference with the cab doors.

2. LEFT AND RIGHT DOOR

See bottom 2 photos.

2.1 Remove the original screws from the roll cage (white circles)

2.2 Align the left door base onto the roll cage



Cab Preview



Fig. 2.1



Fig. 2.2

2. LEFT AND RIGHT DOOR (cont'd.)

2.3 Fasten the door base and the O.E.M hip restraint safety bar to the roller cage with the original screws. The hip restraint safety bar is to be sandwiched underneath the flange of the door base.

2.4 Fasten with original screws (white circle) and repeat previous steps for the right door base

2.5 Align the door base ledge onto the roll cage



Fig. 2.3

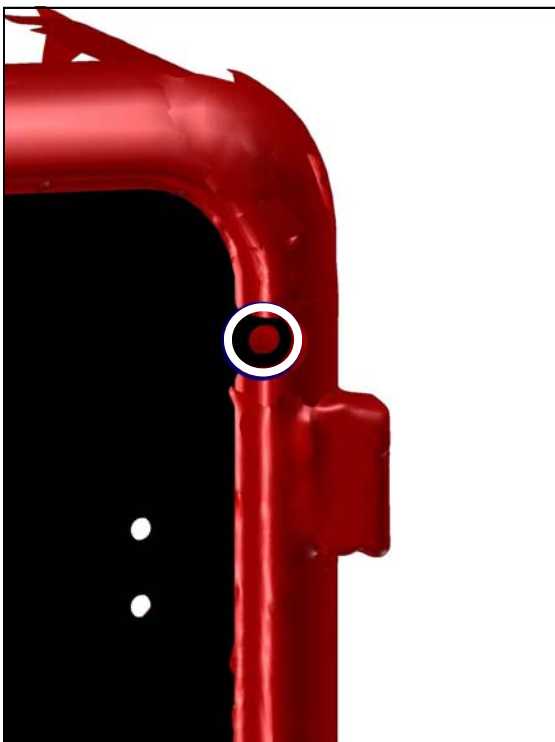


Fig. 2.4



Fig. 2.5

2. LEFT AND RIGHT DOOR (cont'd.)

2.6 Align the correct hinges onto the door base

2.7 Fasten the hinges to the door base ledge with 4x M8x30 SCREWS

2.8 Align the door base bracket onto the roll cage



Fig. 2.6



Fig. 2.7

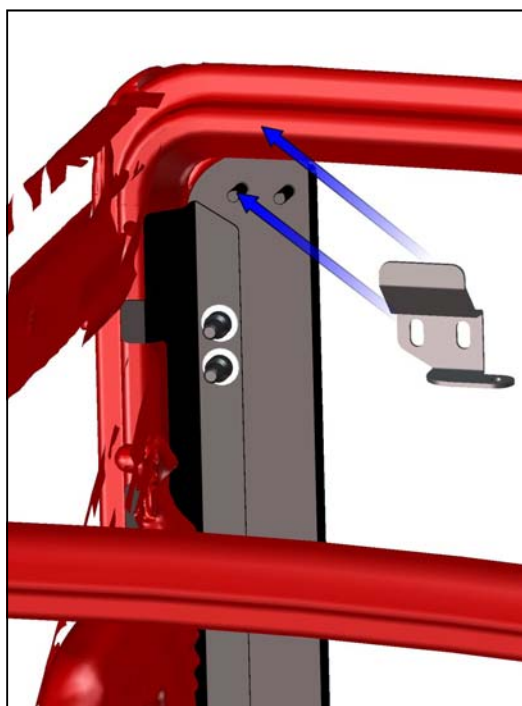


Fig. 2.8

2. LEFT AND RIGHT DOOR (cont'd.)

2.9 Fasten door base bracket to the roll cage with 2x M8 SELF LOCKING NUTS

2.10 Lubricate the hinge pins and insert 2x 10mm washers onto the hinge pins

2.11 Adjust the door position and tighten nuts firmly

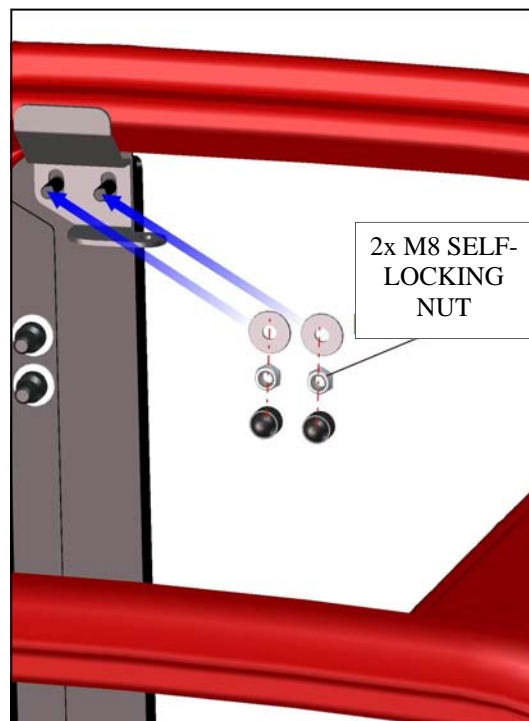


Fig. 2.9

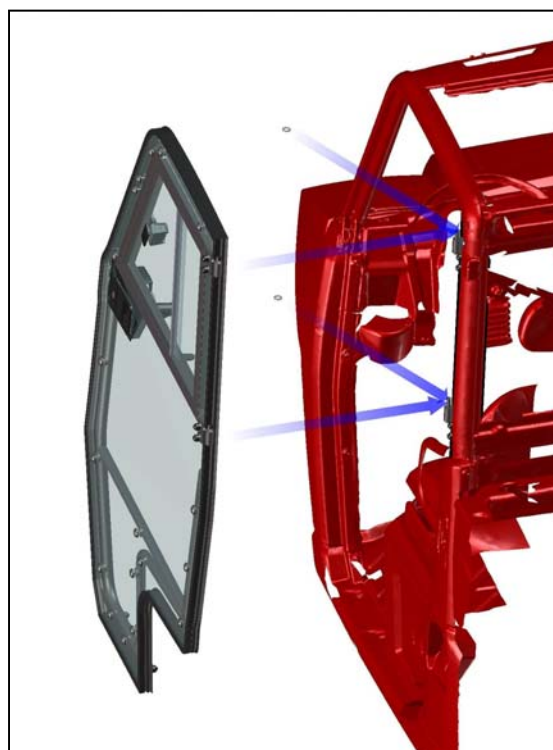


Fig. 2.10

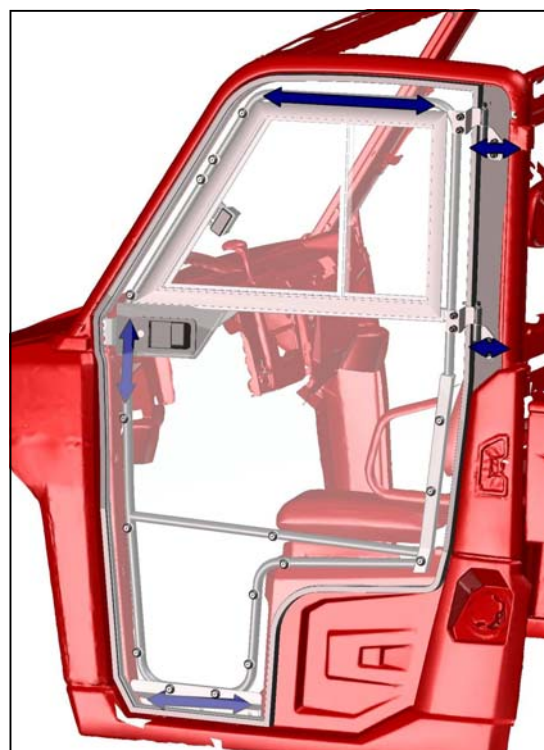


Fig. 2.11

2. LEFT AND RIGHT DOOR (cont'd.)

2.12 Install the door stop assembly into the door stop bracket

2.13 Remove the original screws (white circles) from the roll cage and fasten the door stop bracket onto the roll cage with these original screws

2.14 Fasten the door stop bracket to the roll cage with 2x M8x20 SCREWS

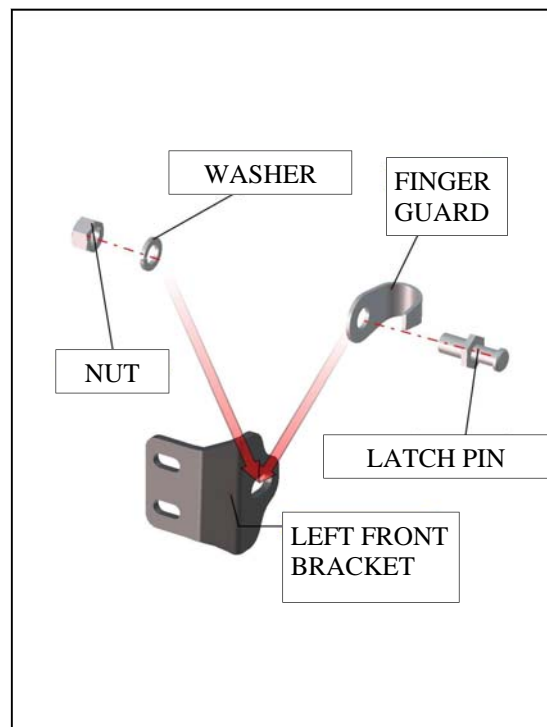


Fig. 2.12



Fig. 2.13



Fig. 2.14

2. LEFT AND RIGHT DOOR (cont'd.)

2.15 Close the door and adjust door stop. If you adjust the door stop correctly and close door slowly, you should be able to hear 2 mechanical clicks.

2.16 Loosen door nuts and adjust bottom door ledge, see white circles and adjustment arrows

2.17 The doors use the gas springs marked 100 Newtons. Ref.: the windshield uses the ones marked 200 Newtons. Orient the piston rod so that it is forward for best, continuous seal lubrication, and longest gas spring life

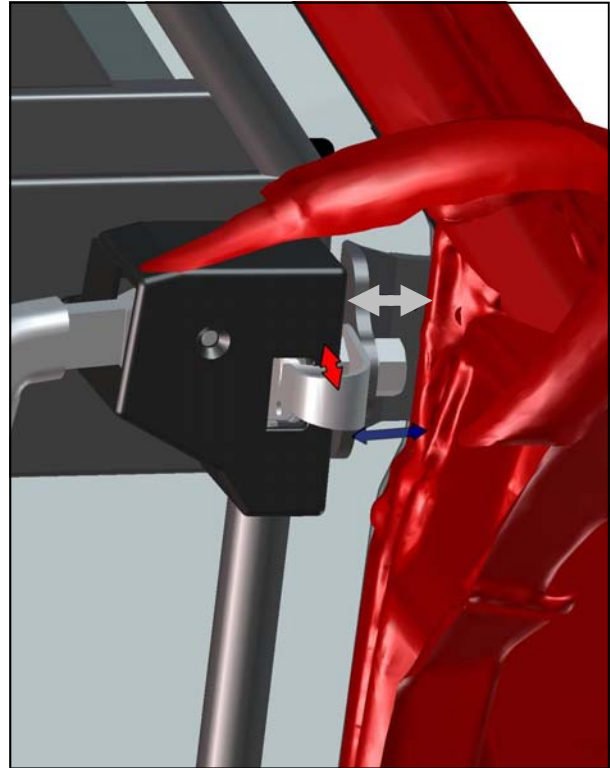


Fig. 2.15

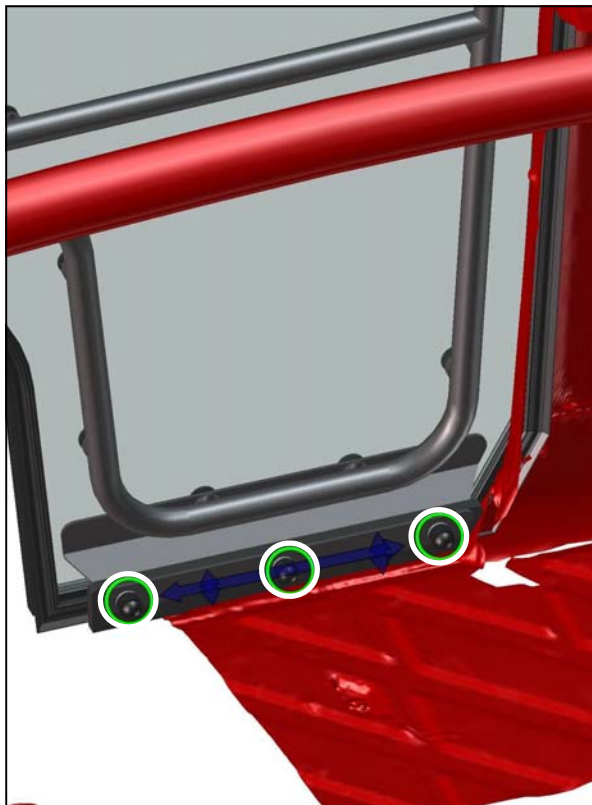


Fig. 2.16

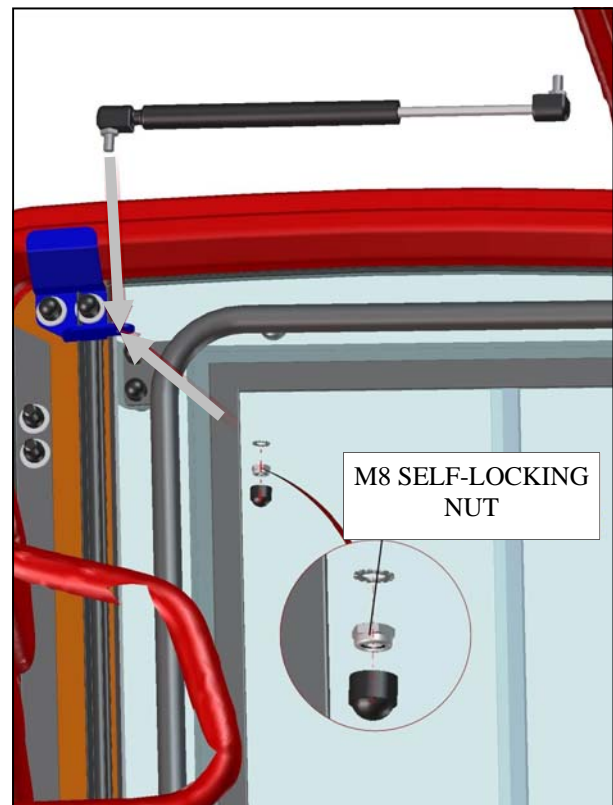


Fig. 2.17

2. LEFT AND RIGHT DOOR (cont'd.)

2.18 Install the bracket onto the gas spring

2.19 Adjust the gas spring holder, it is important to install the gas spring in the same orientation as shown in Fig. 2.19 with the piston rod forward. If you adjust the holder to less than 320mm the door will open even more.

2.20 Fasten the gas spring bracket to the door frame with 3x 6,3x25 TEX SCREWS



Fig.2.18

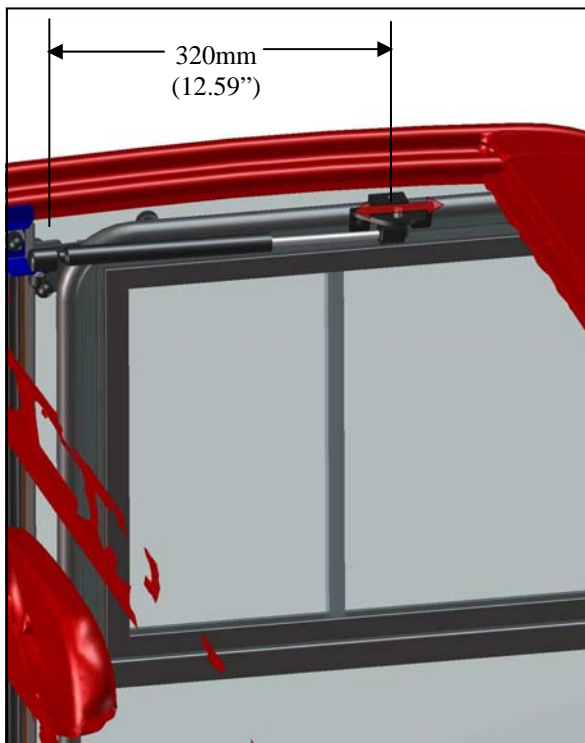


Fig. 2.19

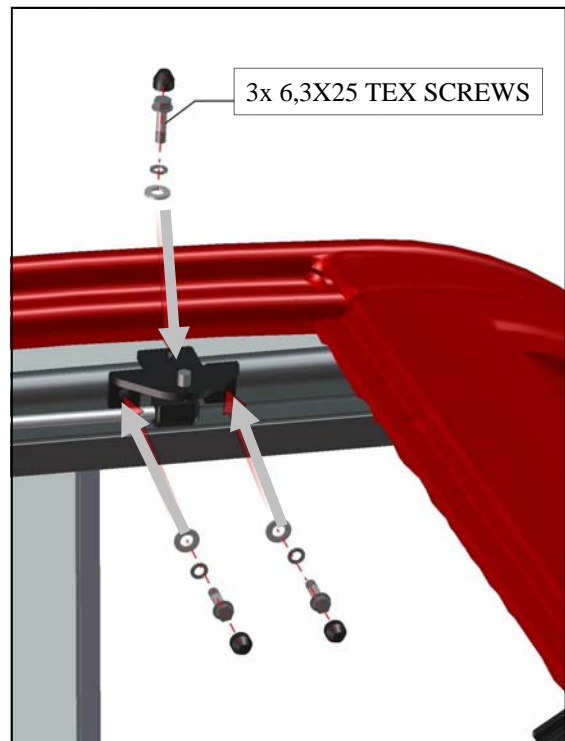


Fig. 2.20

2. LEFT AND RIGHT DOOR (cont'd.)

2.21 Fasten gas spring with M8 SELF-LOCKING NUT

Adjust the door latch assembly and/or the door latch bracket assembly to the best position and tight nuts firmly. Note: the door latch is a rotary type with two positions to close. Adjust door so that when fully closed door latch clicks **twice** for total engagement. If more adjustment is necessary, repeat previous

3. FRONT PANEL

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.

Windshield prep: Per the two figures lined up at the bottom of this page, install the windshield latches as shown. Snug up the bolt leaving it just loose enough so the handle can rotate. Note: apply Loctite to the thread of the bolt to prevent it from loosening in the future.

3.1 Remove original screws (white circles) and install 4x M10x60 SCREWS

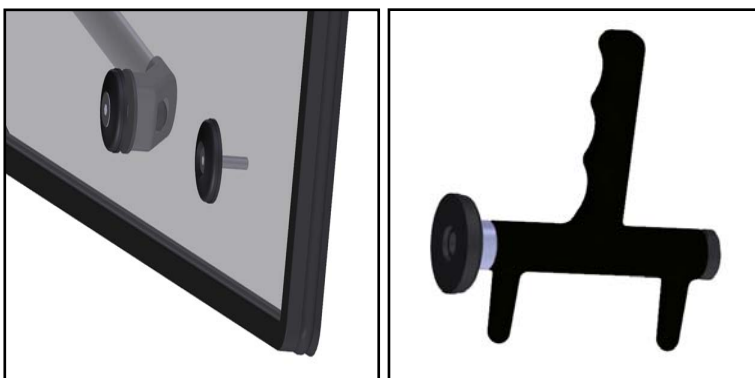
NOTE: it is important to complete this process one screw at a time so that the roll cage maintains its initial position



Fig. 2.21



Fig. 3.1



Windshield prep

3. FRONT PANEL (cont'd.)

3.2 Align the front welded brackets and the front bottom ledge onto the roll cage

3.3 Fasten the front welded bracket and the bottom ledge to the roll cage with 2x M10x60 SCREWS and firmly tighten

3.4 Align the front bottom brackets onto the welded brackets on both sides

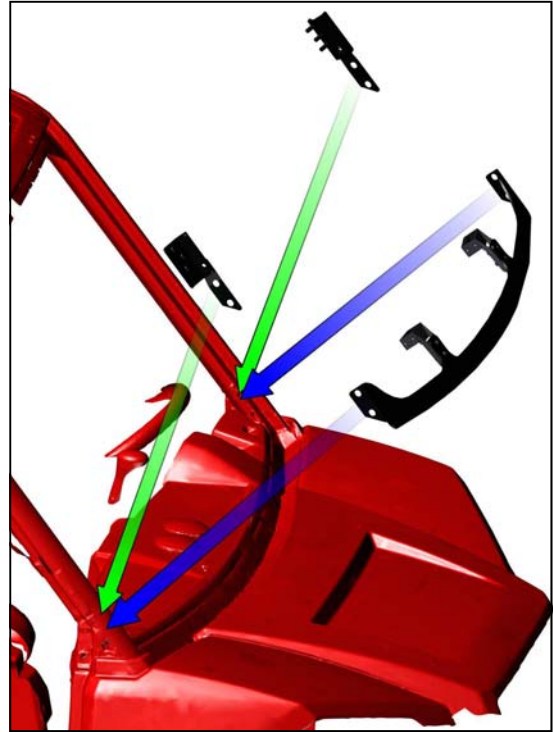


Fig. 3.2



Fig. 3.3



Fig. 3.4

3. FRONT PANEL (cont'd.)

3.5 Fasten the outer brackets to the welded brackets with 3x M8 SELF-LOCKING NUTS

3.6 Per fig. 3.6 (driver's side), use a clamp as shown. Tighten the 3-bolt pattern first, then the 2-bolt pattern next.

3.7 Align the front panel with the hinges on the roll cage roof in accordance with the original holes. Per the photo on the lower right, 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.**

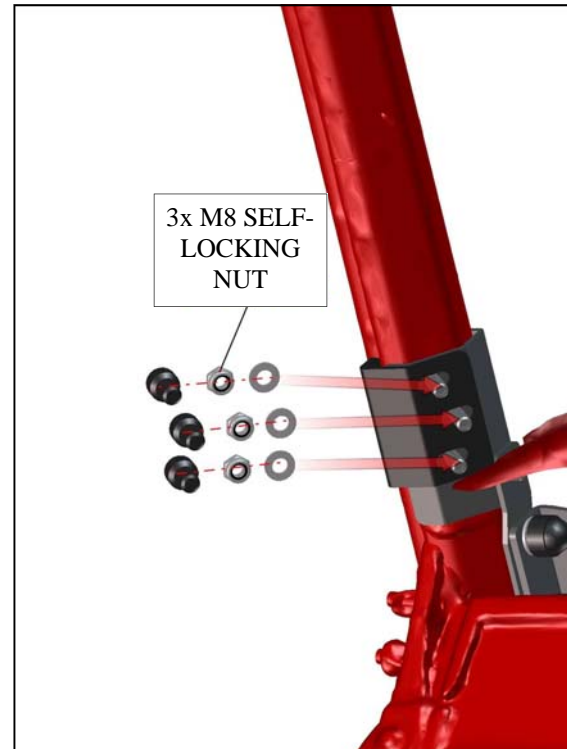


Fig. 3.5

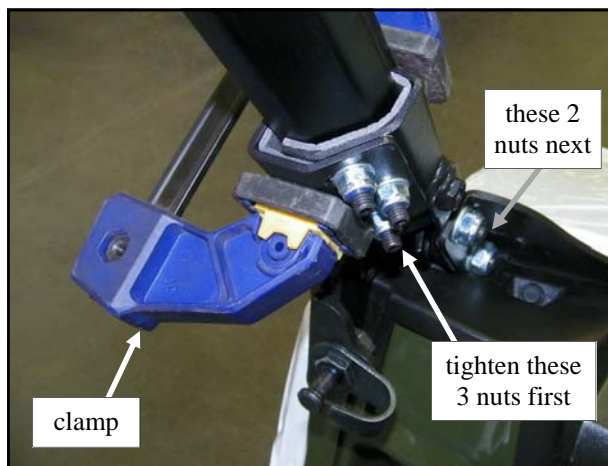


Fig. 3.6

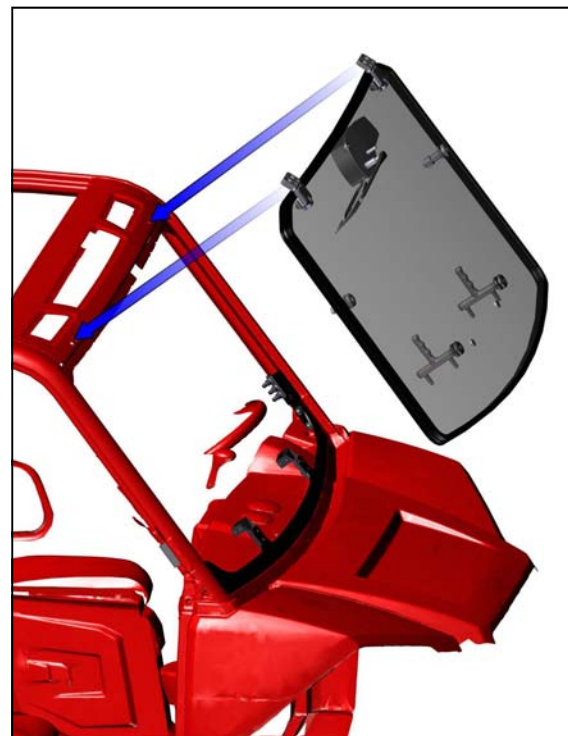


Fig. 3.7

3. FRONT PANEL (cont'd.)

3.8 Fasten the front hinges to the roll cage with 2x M8x30 SCREWS

3.9 The windshield uses the gas springs marked 200 Newtons. Ref.: the doors use the ones marked 100 Newtons. Install the gas spring into the brackets oriented with the piston rod pointing down for best, continuous seal, lubrication, and longest piston gas spring life

3.10 If you find any gaps in the front seal, install the second included seal. See the next page.

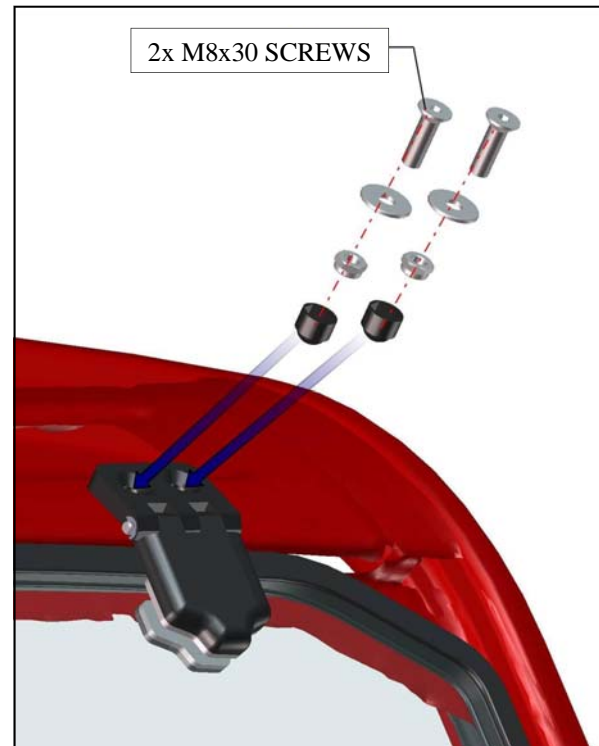


Fig. 3.8



Fig. 3.9



Fig. 3.10

3. FRONT PANEL (cont'd.)

3.11 Detailed view of seal

4. REAR PANEL

4.1 Insert the rear bottom ledge onto the rear bottom wall of the UTV

4.2 Align brackets into position on rear glass



Fig. 3.11



Fig. 4.1

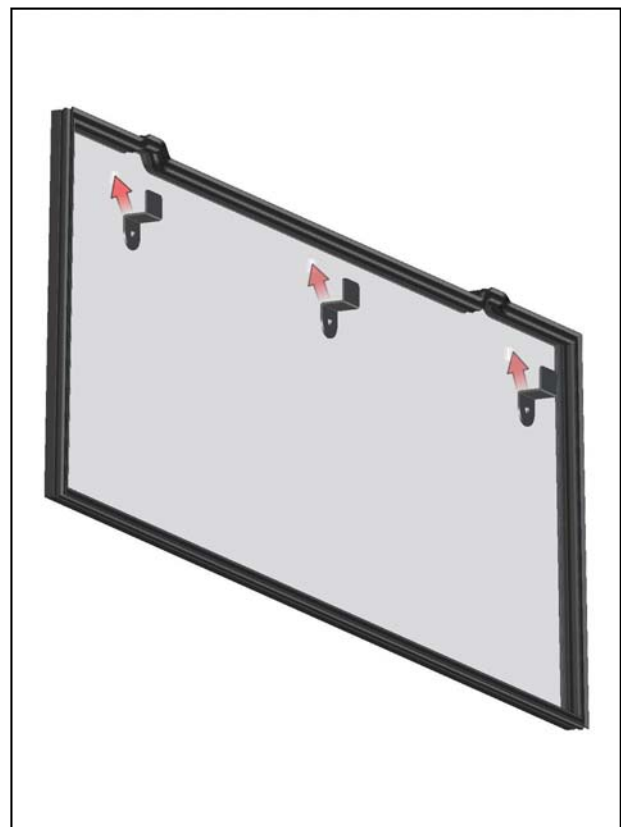


Fig. 4.2

4. REAR PANEL (cont'd.)

4.3 Fasten the rear brackets with 3x M8x45 SCREWS

4.4 Attach rear glass with fast-lock handles. **DO NOT TIGHTEN YET**

4.5 Align the rear panel onto the rear ledge on the roll cage

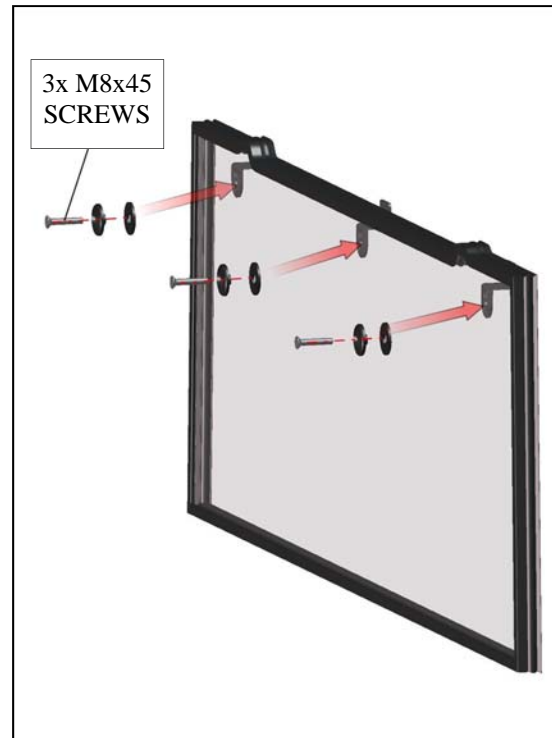


Fig. 4.3

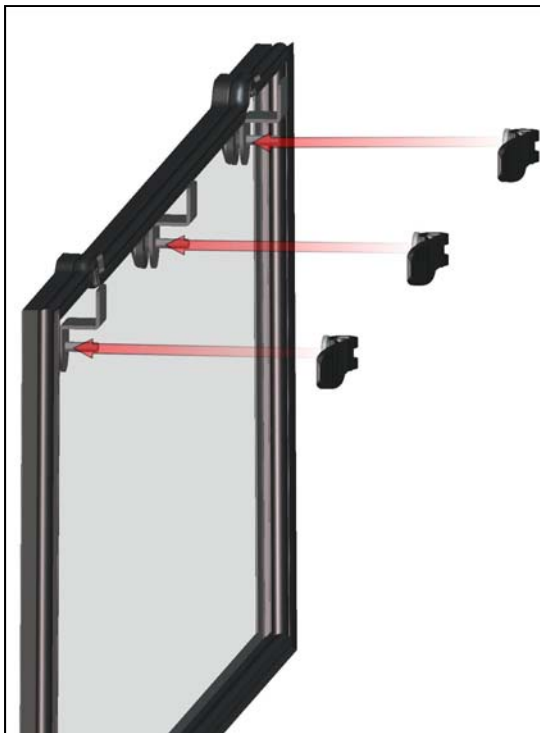


Fig. 4.4

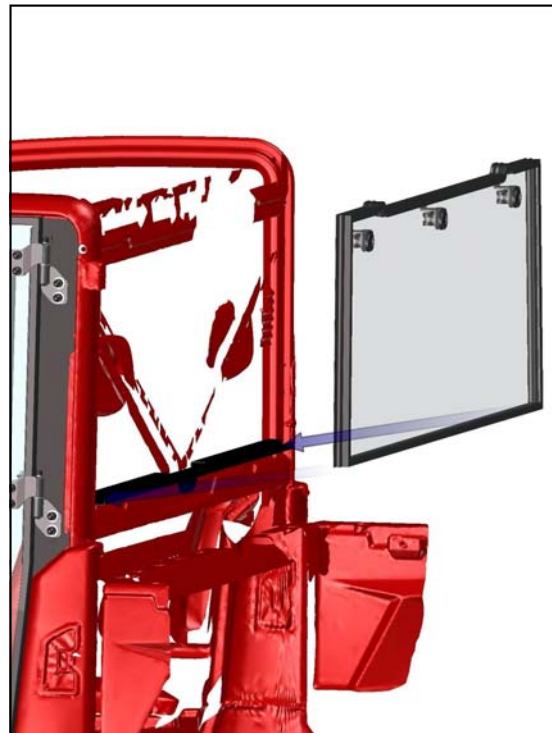


Fig. 4.5

4. REAR PANEL (cont'd.)

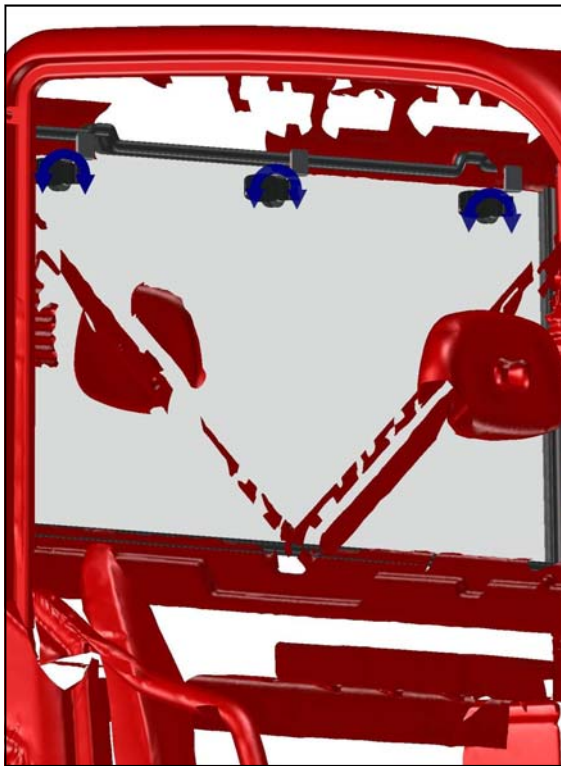
4.6 Align rear glass and mounting brackets into position and tighten fast-lock handles



Fast-lock Handle Assembly



Fast-lock Handle Mounted



Fast-lock Handle Tightened

Fig. 4.6

5. ROOF

5.1 Align roof mounting brackets onto roof structure

5.2 Fasten roof mounting brackets with 5x M8x45 SCREWS

5.3 Fasten roof brackets with Fast-lock handles, DO NOT TIGHTEN YET



Fig. 5.1

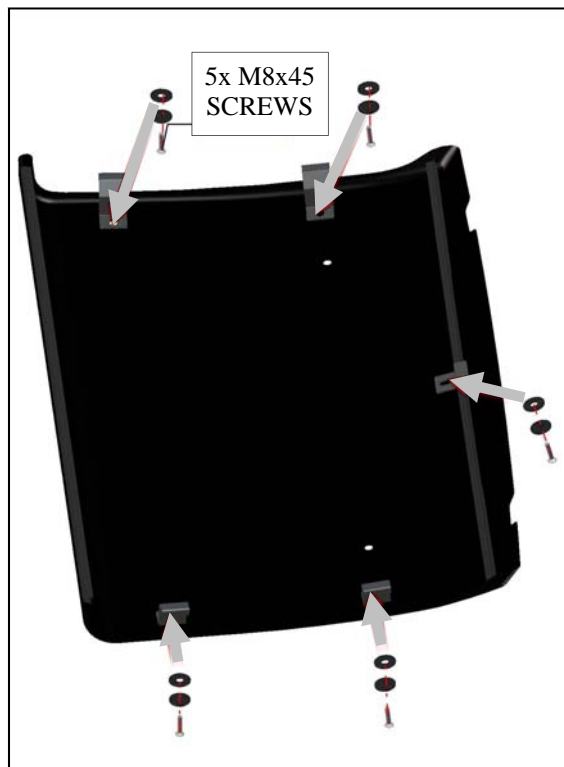


Fig. 5.2



Fig. 5.3

5. ROOF (cont'd.)

5.4 Per the note in fig. 5.4 (passenger's side shown), add a length of the supplied bulb rubber just above the windshield hinges and for the full left-to-right width of the cab for sealing against the underside of the roof.

5.5 Align the roof onto the roll cage.

5.6 Adjust the roof brackets and tighten Fast-lock handles

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

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



Fig. 5.4



Fig. 5.5



Fig. 5.6

7. FINISHING TOUCHES (cont'd.)

Per the photo, apply silicone to the full length of the gap in the vehicle if water is entering here.

If the doors do not seal properly, it is acceptable to use care and bend the door frames to fit better. For door gaps that remain after manually bending the door frame, those gaps can be closed off via the supplied arch PSA (Pressure Sensitive Adhesive) bulb rubber as needed to improve the condition.



SERVICE PARTS



Left Door Assembly
p/n: 8SV-3410-07L



Right Door Assembly
p/n: 8SV-3410-07R



Rear Panel Assembly
p/n: 8SV-3410-06



Front Panel Assembly
p/n: 8SV-3410-02



Roof Assembly
p/n: 8SV-3410-01

ADDITIONAL SERVICE PARTS

Polaris Ranger XP 900 ClearView Cab p/n: 1POLXP900CV

PART NUMBER:	DESCRIPTION:
9SV-GSM	GAS SPRING MOUNT (SET OF 2)
9SV-00002	DOOR GAS SPRING (SET OF 2)
9SV-00006	INNER DOOR HANDLE (QTY.: ONE)
9SV-00007	OUTER DOOR LATCH (QTY.: ONE)
9SV-00027	FRONT GLASS LOCK (QTY.: 2)
9SV-00041	LEFT INNER DOOR LOCK (QTY.: ONE)
9SV-00043	RIGHT INNER DOOR LOCK (QTY.: ONE)
9SV-00047	RIGHT FRONT HINGE ASSEMBLY (QTY.: ONE)
9SV-00048	WINDSHIELD GAS SPRING (QTY.: 2)
9SV-00049	LEFT FRONT HINGE ASSEMBLY (QTY.: ONE)
9SV-00051	LEFT DOOR HINGE (QTY.: 2)
9SV-00052	LEFT FRAME HINGE (QTY.: 2)
9SV-00053	LEFT DOOR STOP ASSEMBLY (QTY.: ONE)
9SV-00055	RIGHT DOOR HINGE (QTY.: 2)
9SV-00056	RIGHT FRAME HINGE (QTY.: 2)
9SV-00057	RIGHT DOOR STOP ASSEMBLY (QTY.: ONE)
9SV-PR55-69	P.S.A. BULB RUBBER WITH 2 WIPERS (QTY.: 69")








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

		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			