



Cognito Windshield Kit for Cognito 4-seat cage on Polaris RZR 2019-2022 XP 4 Turbo S, 2019-2022 XP 4 Turbo and 2019-2022 XP 4 1000

INSTALL INSTRUCTIONS:

Cognito Windshield Kit for Cognito 4-seat cage on Polaris RZR
2019-2022 XP 4 Turbo S, 2019-2022 XP 4 Turbo and 2019-2022 XP 4
1000

SKU: 360-91176

PARTS LIST FOR SKU: 360-91176

QTY	PART #	DESCRIPTION
1	2935	2019+ Polaris XP 4 Turbo S Windshield Frame
2	5692	EPDM Foam 1/16" Thick x 3/4" Wide x 25" Long
1	6754	2019+ Polaris XP 4 Turbo S Windshield Seal
1	80038	2019+ Polaris XP 4 Turbo S Mount, Driver
1	80039	2019+ Polaris XP 4 Turbo S Mount, Passenger
2	HP9305	Hardware Pack

PARTS LIST FOR SKU: 80038

QTY	PART #	DESCRIPTION
1	2936LEFT	2019+ Polaris XP 4 Turbo S Mount, Sheet Metal, Driver
2	HARDWARE- RIVET-NUT-10-32	#10-32 Yellow Zinc HD Open Ended Rivet Nut for .020" - .130" Thick Material

PARTS LIST FOR SKU: 80039

QTY	PART #	DESCRIPTION
1	2936RIGHT	2019+ Polaris XP 4 Turbo S Mount, Sheet Metal, Passenger
2	HARDWARE- RIVET-NUT-10-32	#10-32 Yellow Zinc HD Open Ended Rivet Nut for .020" - .130" Thick Material

PARTS LIST FOR SKU: HP9305

QTY	PART #	DESCRIPTION
4	HARDWARE-10-CS-FW	#10 18-8 SS Flanged Finish Washer
4	HARDWARE-10-32X3/4-SS-FH	#10-32 X 3/4" 18-8 SS Flat Head Cap Screw

**WARNING**

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

NOTE TO CUSTOMER:

This kit **DOES NOT** include Glass!

Glass shall be cut and installed at a local glass shop using the information included with in this document.

Only 1/4-inch Dual Pane Laminated Safety Glass is to be used.



INTRODUCTION

Thank you for purchasing the Cognito Windshield Kit for Cognito Polaris 4-seat cages. This windshield was specially designed to only work with a Cognito roll cage. This design maximizes the glass viewing area and is designed make use of 1/4-Inch laminated dual pane DOT safety glass to keep the vehicle occupants safe. Designed and made in the USA.

REQUIREMENTS

- Installation requires a qualified mechanic.
- Follow the OE specifications when replacing or re-installing OE fasteners, retainers, and hardware specified in the OEM manual.
- Always wear safety glasses when using power tools.
- When a lift is required to perform the installation of these products and always ensure the vehicle is properly supported before attempting installation or serious injury may occur.

TECHNICAL INFORMATION

- Customer must have local glass shop cut DOT laminated safety glass for this windshield, glass shop see spec's below for information on included seal.
 - **USING ANY OTHER GLASS THAN DOT LAMINATED SAFETY IS EXTREMELY DANGEROUS, IS NOT RECOMMENDED & NOT SUPPORTED BY COGNITO. SERIOUS INJURY OR LOSS OF LIFE MAY OCCUR.**
- Check the parts and hardware packages against the parts list in each instruction set to assure that your kit is complete.
- Be sure to read though all install instructs include with this kit prior to attempting instillation and heed all warnings, failure to comply with all warnings and requirements can lead to an accident and serious injury.

GLASS SHOP TECHNICAL INFORMATION

- **Glass Requirements: 1/4-Inch (.250") DOT Laminated Safety Glass**
 - **USING ANY OTHER GLASS THAN DOT LAMINATED IS STRICTLY PROHIBITED & NOT SUPPORTED BY COGNITO.**
- **Seal Edge Clearance: 5/16-Inch (.313")**
 - Seal edge clearance is the clearance needed between the frame and glass pane for the seal to work properly.
 - Cognito recommends slightly under sizing this clearance measurement to about .290".
- If any additional information is needed reach out to Cognito for help.



INSTALLATION

1. To begin this installation, glass must first be cut and installed at a local glass shop using the provided seal. Locate **2935** & **6750**, take them to the local glass shop along with these install instructions.

- **NOTE:**

Warranty on Cognito products will be void if any other seal other than the provided seal is used.

Warranty on Cognito products will be void if any glass other than DOT Laminated Safety Glass is used.

GLASS SHOP NOTES

1. The windshield frame was shipped in a protective plastic film to prevent scuffs and damage to the coating during shipping. Cognito recommends only removing the film where required to install the glass and seal at this time.

- **NOTE:**

Warranty on Cognito products will be void if protective film is fully removed and the powder coat is damaged during glass installation.

2. Below are the technical requirements for the glass and seal, contact Cognito Motorsports with any additional questions.

GLASS SHOP TECHNICAL INFORMATION

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 - **USING ANY OTHER GLASS THAN DOT LAMINATED IS STRICTLY PROHIBITED & NOT SUPPORTED BY COGNITO.**
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- If any additional information is needed reach out to Cognito for help.

3. Cut the glass to the frame with the required offset and install into frame with provided seal. Install seal so locking slot is on the back side of the windshield.

- **NOTE:**

The Cognito logo is meant to be readable from the front side of the windshield.

4. Once complete return the assembled windshield back to customer to complete install.

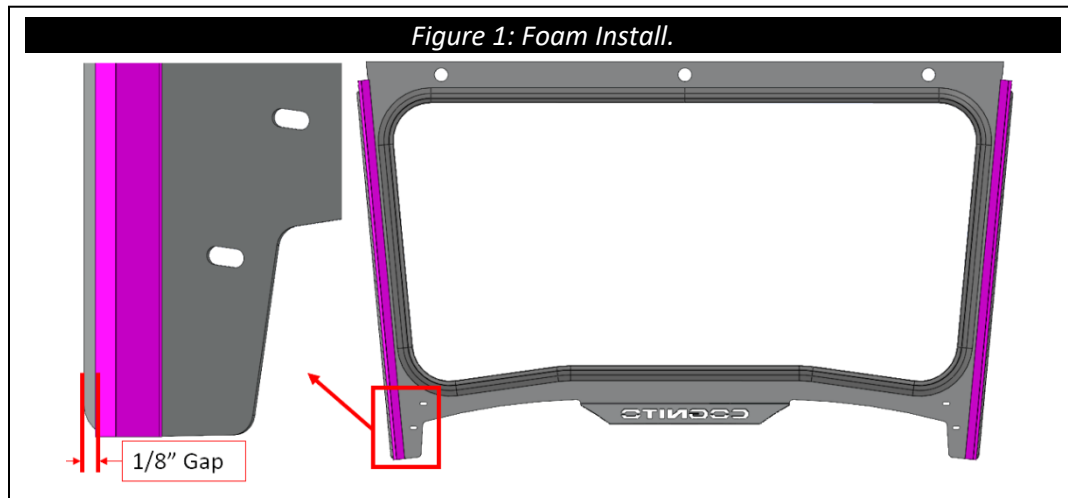
INSTALLATION – CONT'D

2. Place the windshield assembly face down on a flat surface. Peel the protective plastic film off the back of the unit only at this time.

- **NOTE:**

When placed face down, the Cognito logo on the bottom of the windshield frame should be backwards.

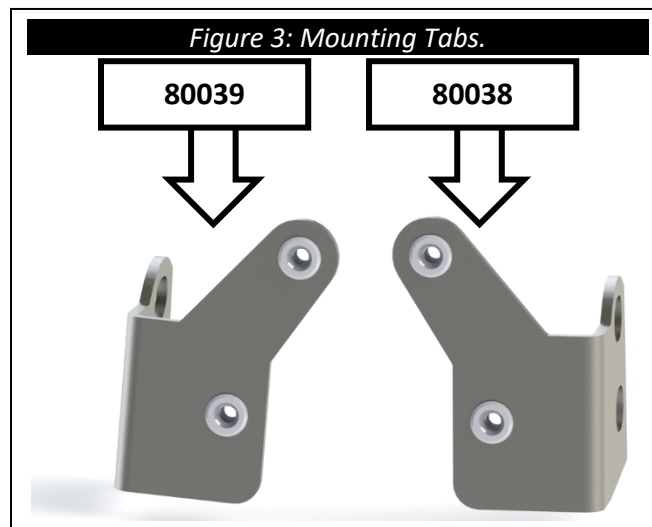
3. Locate the 2x **5692**, foam rolls. The two foam rolls will be applied to the back of the unit along the bent-up edge on either side. Start at the bottom of the frame, align the edge of the foam with the bottom of the frame and leave a .125" (1/8-inch) gap to the bent-up edge. Once the foam strips have been applied to both sides trim any excess foam away.



4. Remove the nuts of the two bolts securing the passenger side A-pillar of the cage to the vehicle, the bolts do not need to be removed.



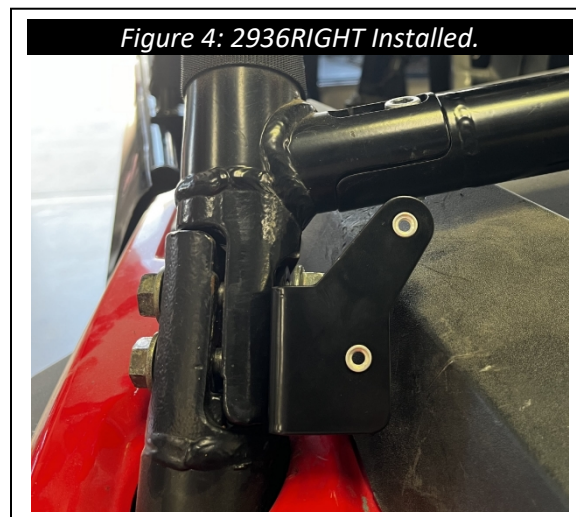
5. Locate **80039**, passenger side windshield mount tab.



6. Place **80039** on the inside of the passenger side A-pillar with the bolts going through the slots in the tab. Reinstall the nuts and leave them loose for now so the tabs can be adjusted later as needed.

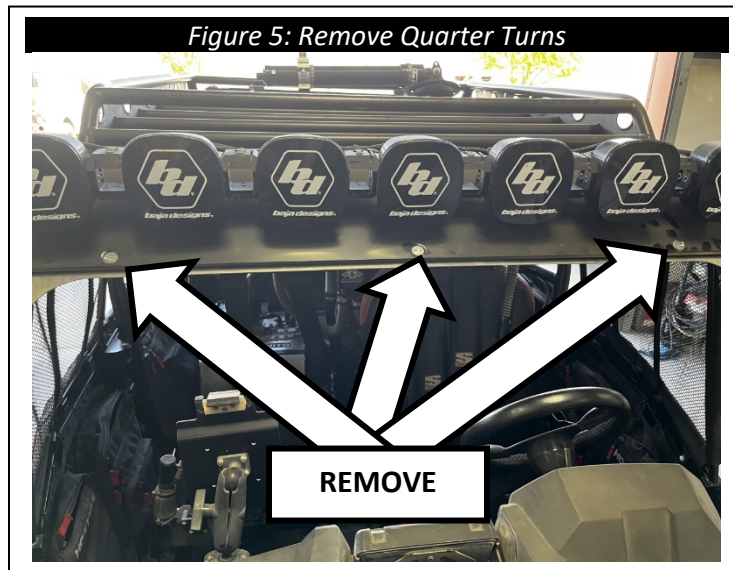
- **NOTE:**

The flat face with the rivet nuts should face the front of the vehicle.



7. Repeat the steps above for the driver's side of the vehicle, using **80038** instead.

8. Remove the 3x quarter turn fasteners from the front of the roof brow, set the quarter turn buttons safely aside they will be reused later.



9. On the windshield assembly, remove the protective poly-film on the front. Only remove the protective film on the top until the three holes mounting holes are uncovered.
10. Install the windshield onto the vehicle. Pick up the windshield assembly and slide it underneath the roof panel where the three quarter-turn fasteners were removed. Align the three holes at the top of the windshield with the three holes in the roof skin and reinstall the center quarter turn fasteners to hold the windshield in place.
 - **NOTE:**
An extra set of hands is useful for this step.



11. Adjust the windshield as required to get the best alignment.

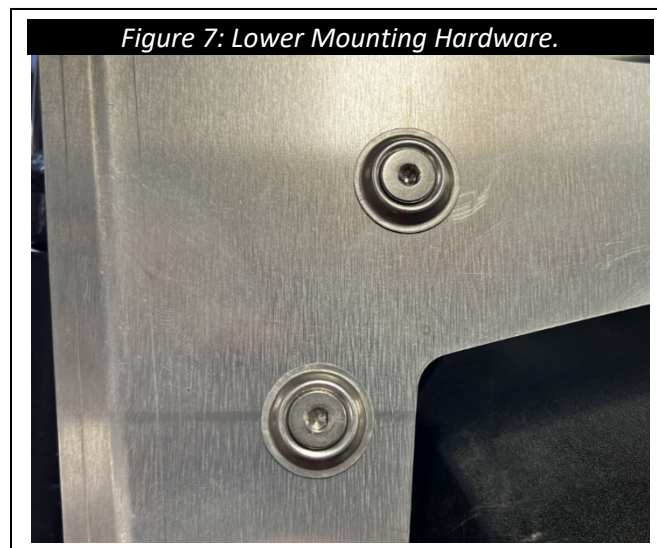
Once the preferred alignment is achieved reinstall the other two quarter turn fasteners removed in a previous step.

- The A-pillar mounts can be adjusted in and out to increase or decrease the gap between windshield and vehicle hood.
- The three mounting holes at the top of the windshield are oversized to allow the windshield to be shifted left or right.

12. Torque the A-pillar bolts to **40 ft-lb**.**13.** Remove the remainder of the protective plastic film.**14.** Install the 4x #10-32 countersunk bolts with a #10 finish washer under the head of the bolt into the slots at the bottom of windshield to hold the windshield to the mounting tabs.

- **NOTE:**

The supplied #10-32 bolts have a patch of bolt retention compound to help the bolt stay locked in place, but an extra dab of blue thread locker is recommended.



This completes the installation steps, enjoy your new Cognito Windshield Kit!



WARRANTY / RETURN POLICY / SAFETY

Cognito Limited Lifetime Warranty

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warrantied separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

Return Policy

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

Product Safety Advisory

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.