



Roll Cage, Polaris RZR 170

SKU#360-90355

Introduction

- The Cognito RZR170 roll cage comes with a rear bumper and nerf bars (steps) standard.
- Roll cage uses 1 ¼” & 1” x 0.95 DOM Tubing
- Installation requires a qualified mechanic.
- Read instructions carefully and study the pictures before attempting installation.
- Check the parts and hardware packages against the parts list to assure that your kit is complete.
- Always wear safety glasses when using power tools.
- This instruction set available in color on www.cognitomotorsports.com

Requirements

- Trimming the plastic around the gas cap is recommended to obtain a more flush appearance of the sheet metal on the car, but is not required.

Parts List

ITEM NO.	PartNo	DESCRIPTION	QTY.
1	8438	Polaris RZR 170 Roll Cage Tube Weldment	1
2	2189	RZR170 Roof Skin	1
3	2154	RZR170 Drivers Door Skin	1
4	2190	RZR 170 Passenger Door Skin	1
5	5586	Dzus Fasteners	28
6	5683	Rear View Mirror	1
7	90120	RZR170 Rear Bumper Kit	1
8	90119	RZR170 Nerf Bar Kit	1

Overview

This Cognito cage package replaces the stock cage package, and is one piece, plus the rear bumper, compared to the stock bolt together multi piece, this means installation can be a bit more challenging and requires several people. Cages are for safety and for stiffness of the vehicle chassis, proper installation is mandatory or injury or death may occur. Installation of this cage does not guarantee that no injury will take place in an accident. The same injury can still happen that could happen with stock OEM cage.

Installation

1. Remove OEM cage, including nets. Keep the stock cage to chassis bolts for re-use. It is recommended that the plastic around the gas cap be trimmed for a more flush appearance if desired. (Figure 1)



Figure 1: Trimming the plastic around the gas cap as pictured will allow for the door tube to sit closer.

2. Remove the door panels and roof from the cage to prevent damage to them whilst installing the cage. You can do this by turning the dzus buttons. Use a wide flat blade screw driver but a short one, or a quarter, to turn the fasteners, be careful not to slip and scratch the doors or roof.
3. It will require at least two people to install the RZR170 cage. The cage can be quite tricky to install. It will require that the cage be lifted above the car and then one door rung of the cage be brought below the handrail of the car. The person on the opposite side now pulls the other door rung to spring it over the handrail on their side. Once this is done, the front bungs can now be located. Slide the front of the cage into the bungs, this should allow the rear of the cage to come down and land on the OEM mounting plates.
4. Use the OEM hardware to fasten the Cognito cage down. Torque all bolts to 20 ft. lbs. (27 Nm).
5. Once the cage has been fastened you can now install the rear bumper onto the car. The bumper should slide over the bungs on the back of the cage and be screwed in via the 5/16” socket head screws. The welding process may distort a bumper a bit so some pushing or pulling may be required to line the bumper up. Torque bumper screws to 25 ft. lbs. (35 Nm).

NOTE: The rear bumper is designed to deform upon sufficient impact to reduce damage to the main cage frame and absorb shock. Contact Cognito to purchase replacement bumpers.

6. Lay the roof top down on a blanket. Locate the thin adhesive foam tape and install strips all the way down both sides, this part is important as the foam helps prevent noise coming from the aluminum roof rubbing on the tubing. The thin foam down the sides needs to go all the way to the

edge of the roof panel, if not just a little over the edge. If you don't go all the way to the edge or a little past it, the edge of the panel will rub the tubing and squeak. Don't stretch the foam tape, apply it relaxed and get it nice and straight just sticking it down 6" at a time.

7. Now with the left and right sides foam taped, install the roof panel on the cage with a few fasteners. Use chalk or something that will wipe off, and mark on the roof where the 2 cross tubes are front and back, and also mark the center tube that goes front to back.
8. Remove the roof panels and lay them back down on the blanket, installing the rest of the foam tape as shown in figure 2.

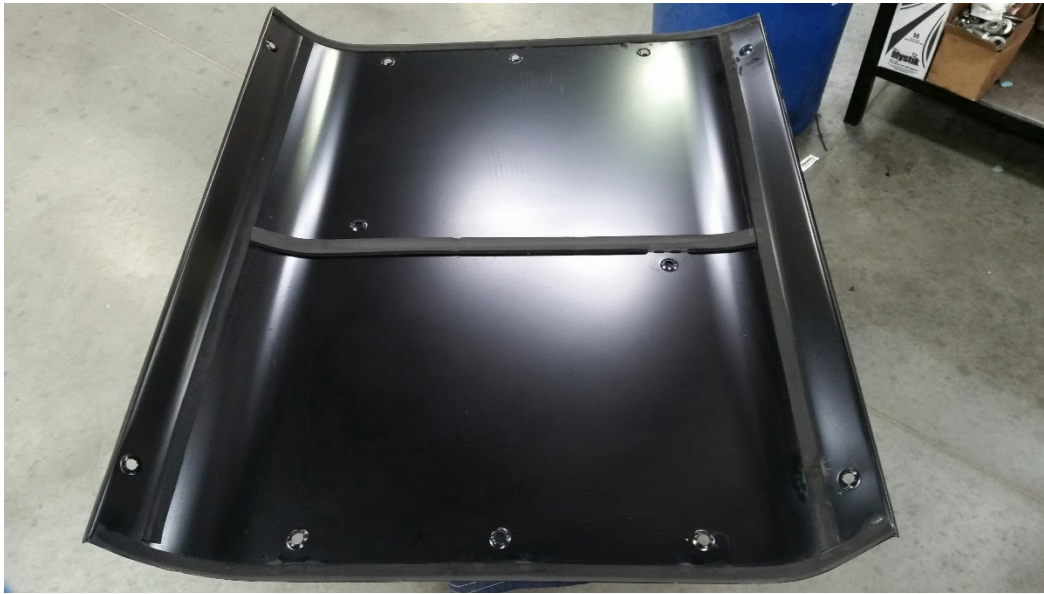


Figure 2: The roof skin should look similar to the above when all the foam is applied.

9. Once the foam is installed, fasten the roof panel to the cage with the dzus fasteners provided.
10. The door skins are done in a similar fashion to the roof. Line the top side of the door skins with the adhesive foam tape. Then reinstall the doors and trace out the door rung tube where it touches. Remove the door skins. Lay foam over the traced tube. The final result of the foam layout should look close to figure 3. Reinstall door skins.

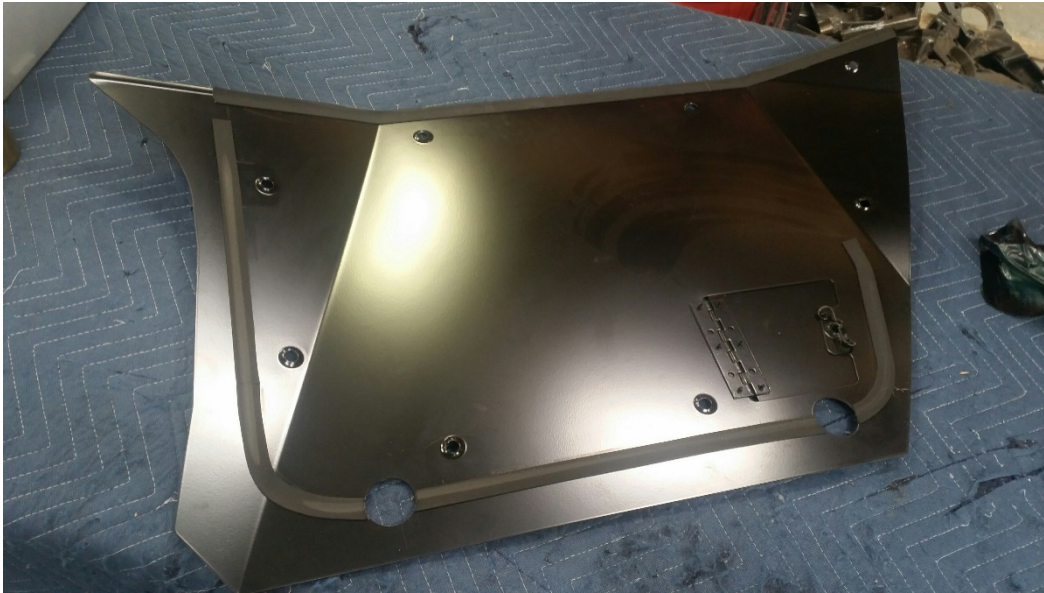


Figure 3: Passenger side shown. The door skin should look similar to the above when all the foam is applied.

11. Bolt on the rear view mirror.
12. Secure the nerf bars onto the car with the ¼” bolts. The welding and bending process may distort the position of the holes between the cage bungs, and the nerf bars, so you may have to quickly run a ¼” drill bit through the nerf bar and the adapter bung with the nerf bar on the cage for a better fit. Torque bolts down to 12 ft. lbs. (16 Nm).



Figure 4: The final installation of the cage should look as pictured.

Cognito Motorsports

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Cognito Motorsports warrants, to the original retail purchaser, that its suspension products are free from defects in workmanship and material for as long as the purchaser owns the vehicle on which the product was originally installed. Cognito Motorsports does not warrant the product for finish, alterations, modifications, and/or original installation contrary to specifications of Cognito Motorsports. Cognito Motorsports suspension products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities involving abnormal abuse other than the vehicle was originally designed to handle or endure. (A “RACE” is defined as any contest between two or more vehicles, and/or contest of one or more vehicle against the clock, whether or not such contest is for a prize.)

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This warranty excludes the following items: bushings, bumpstops, tie-rod ends, limiting straps, and heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days of purchase for defects in workmanship. Cognito Motorsports suspension components must be installed as a complete system. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty. This warranty shall not apply to any product that had been subject to accident, negligence, alteration, abuse, or misuse. Cognito Motorsports does not warrant products not manufactured by Cognito Motorsports. Cognito Motorsports reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of parts when deemed necessary by Cognito Motorsports without written notice, and in the sole and absolute discretion of Cognito Motorsports.

Warranty Claims

All warranty claims must be submitted through the original company of purchase. All claims must be shipped back to the original company of purchase with an approved RMA number listed as a reference on the shipping label and clearly printed on two opposing sides of the package(s); product in question must be inspected by Cognito Motorsports before replacement parts are shipped out.

Return Policy

Cognito Motorsports has a no refund return policy. Under special circumstances, returns might be accepted with prior written approval. All returned product will be shipped freight prepaid. Product returned is subject to a 25% restocking fee. No returns will be accepted after 30 days upon receipt of product.

Product Consumer Safety and Warning

The installation of this kit will modify the suspension of your vehicle and may cause it to handle significantly different than a factory equipped vehicle. Installing larger tires with modified suspension and increased ground clearance will significantly alter the handling characteristics of the vehicle, and may result in increased braking distances as well as changes in vehicle maneuverability and handling compared to the factory equipped vehicle. As with any vehicle, extreme caution and care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts and drive safely, recognizing the reduced speeds and specialized driving techniques is required.

This suspension system will not strengthen nor reinforce the stock frame of the vehicle, nor will it increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for tightness of fit or any damage. Installation of these parts will modify the height of the vehicle and will raise the center of gravity. Altered height modifications and off-road operation may increase your vehicle’s susceptibility to roll over conditions and may cause serious injury or death. Many states regulate the height modification to each vehicle. Check the laws in your state for exact specifications. Height modifications may affect the reaction, ride, handling, and wear factor of your vehicle’s components.

Failure to drive this vehicle safely may result in injury or death! Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications and combinations of modifications are not recommended, unsafe, and may not be permitted in your state. Consult your vehicle owner’s manual, the instructions accompanying this product, and your state laws before undertaking these modifications. The owner of the modified vehicle and the qualified mechanic required to install this product are responsible for the legality and safety of the vehicle being modified.