

**Cognito Motorsports Inc. 4 seat aftermarket cage 2014-2016
RZR 4 XP1000 and RZR 4 XPTurbo**

INSTALL INSTRUCTIONS:

Cognito Motorsports Inc. 4 seat aftermarket cage 2014-2016
RZR 4 XP1000 and RZR 4 XPTurbo
SKU: 360-90595

PARTS LIST FOR SKU: 360-90595

QTY	PART #	DESCRIPTION
1	6285	Weld Bung, Driver
1	6288	Weld Bung, Passenger
1	8421	Turbo Cage Package with Roof
1	8592	Seat Dash Bar
1	90068	4 Seat Cage
1	HK-XP1K4	Cage Hardware Kit
4	HARDWARE-93307	3/8-16X1.25" Head Cap Screw
4	HARDWARE-NYLOCK-3/8-16	Nylock 3/8-16



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.

PARTS LIST FOR SKU: HK-XP1K4

QTY	PART #	DESCRIPTION
4	HARDWARE-1/4-20X3/4-BH	1/4 Button-Head Socket Cap Screw
8	HARDWARE-33078	1/4 Flat washer
4	HARDWARE-NYLOCK-1/4-20	1/4" Lock Nut
4	HARDWARE-3/8-16X1BH	3/8 Button-Head Socket Cap Screw
4	HARDWARE-33082	3/8 Flat Washer
4	HARDWARE-33622	3/8 Lock Washer
4	HARDWARE-M10X1.25-FN	M10 1.25 Hexagon Flange Nut
4	HARDWARE-M10X1.25X55-FB	M10-1.25 x 55 Hex Head Flange Bolt.
1	5683	Rear View Mirror
20	5692	Foam Adhesive-Back 1/16"
6	5824	Foam Adhesive-Back 3/16"
4	5817	Push On Handle Grip
1	HP9058	Shock Reservoir Mounting Hardware

PARTS LIST FOR SKU: HP9058

QTY	PART #	DESCRIPTION
4	HOSE-CLAMP-62025	Steel Hose Clamp
4	POLY-SHOCK-RES-ISOLATOR1	Shock Res Isolator

INTRODUCTION

Engineered with style and safety in mind, a Cognito roll cage is the perfect addition to any car. Each cage is fixture-built in house to ensure proper fit and easy installation. The roof panel is CNC cut and formed for an exceptional fit. Adding accessories is seamless with several mounts built into the cage design.

Overview

This Cognito cage package replaces the stock cage package and is one piece 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.

TECH NOTES

- Read instructions carefully and study the pictures (if included) before attempting installation.
- If this product was purchased as part of a bundle/package. Familiarize yourself with each set of instructions included with the bundle/package before beginning.
- Check the parts and hardware packages against the parts list to assure that your kit is complete before starting.

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.
- Stock seat belts are not compatible with this cage, must use a **5-point** style harness system from reputable manufacturer, front and rear seats. Seat belts must always be worn by all occupants during vehicle use.
- When using a **5-point** harness, the shoulder harnesses must function properly over the occupants' shoulders, and stock seats will accommodate this. If using stock seats, you must modify them with an aftermarket pass thru slot system that will let the harness pass thru the upper back portion of the seat.



INSTALLATION

1. Remove doors and rear shock reservoirs from stock cage. Remove stock lower seat belt mounts from chassis so the stock seat belts can come off with the stock cage. Remove stock cage, keep the stock cage to chassis bolts for re-use.
2. 2. Get help to set the Cognito cage on the RZR. One person on each corner lifts the cage and set it on the front mounts while getting the bottom front cage to chassis bolts pushed thru the holes. Then work on getting the middle legs in place over their mounts, then the rear 4 mounts will fall closer to where they belong. You will notice that the rest of the mounts don't line up well, yet. This is because when you remove the stock cage, the lower frame rails are flexing, see the next step.
3. 3. Use a floor jack underneath the car to jack up on a cross tube near the center of the car to help get the bolt holes lined up and then get the rest of the stock bolts into place. There are 8 mounting points with **2 bolts** each, so **16 fasteners** total, use the stock hardware in the same place where they came off as the lengths are different from front to back. Remember to put the rear door frame brackets on the cage mounts. Once they are all in place, tighten to **40 ft-lbs**. Now you can let the jack down and get it out of the way.
4. 4. From the stock cage, remove the striker plates from the rear door area. Use the supplied $\frac{1}{4}$ " fasteners to bolt the striker plates on the new cage, tighten to **12 ft. lbs**. Now install the doors onto the new cage and adjust as needed. The stock doors have a bunch of adjustments and take some time to get just right.
5. 5. The hand grips can be installed now, use a little water for lubricant and push each one on.
6. 6. Bolt the rear-view mirror on.
7. 7. Lay the rooftop 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 panels, 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.
8. 8. Now with the left and right sides foam taped, install the roof panels on the cage with a few fasteners. Use chalk or something that will wipe off, and mark on the roof where the **3** cross tubes are front middle and back and mark the center tube that goes front to back.
9. 9. Remove the roof panels and lay them back down on the blanket, installing the rest of the foam tape as shown in the figure. Note that the thick foam is for the front to back tube in the middle of the car as noted on the figure.
10. 10. Once the foam is installed, fasten the roof panels to the cage with the dzus fasteners provided. Use a wide flat blade screwdriver but a short one, or a quarter, to turn the fasteners, be careful not to slip and scratch the roof.
11. 11. If you are bolting on a light bar and mounting kit from Cognito, that is what the included **3/8"** button head screws are for, use a lock washer on the bolts, then a flat washer, tighten to **20 ft. lbs**. If you are not using a Cognito light bar mounting kit currently, go ahead and install the fasteners anyway so there are no open holes, and it has a finished look.
12. . If your shocks had reservoirs that were hose clamped onto the stock cage, use the supplied hardware pack **HP9058** to refasten those reservoirs to the new cage. Be careful not to scratch the finish of the tubing with the hose clamps.

Figure 1:



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.