



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

### **Introduction**

- 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](http://www.cognitomotorsports.com)

### **Requirements**

- 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.

### **Parts List**

- (1) Cage
- (1) front roof panel
- (1) rear roof panel
- (20) quarter turn fasteners, flat head dzus fasteners
- (1) HK-XP1K4 Hardware kit
  - HP9058 shock reservoir mounting hardware
  - (4) 1/4-20 x 3/4" button head socket cap screw
  - (8) 1/4" flat washer
  - (4) 1/4-20 nylock nut
  - (4) 3/8-16 x 1" button head socket cap screw
  - (4) 3/8" lock washer
  - (4) 3/8" flat washer
  - (1) rear view mirror
  - (4) push on hand grip
  - (20 ft) 1/16" thick adhesive backed foam tape
  - (6 ft) 3/16" thick adhesive backed foam tape

## **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.

## **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. Get help to set the Cognito cage on the RZR. One person on each corner, lift 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 down 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 removed the stock cage, the lower frame rails are flexing, see the next step.
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. From the stock cage, remove the striker plates from the rear door area. Use the supplied ¼" 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 adjustment and take some time to get just right.
5. The hand grips can be installed now, use a little water for lubricant and push each one on.
6. Bolt the rear view mirror on.
7. 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 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. 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 also mark the center tube that goes front to back.
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. Once the foam is installed, fasten the roof panels to the cage with the dzus fasteners provided. 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 roof.
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 at this time, 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.

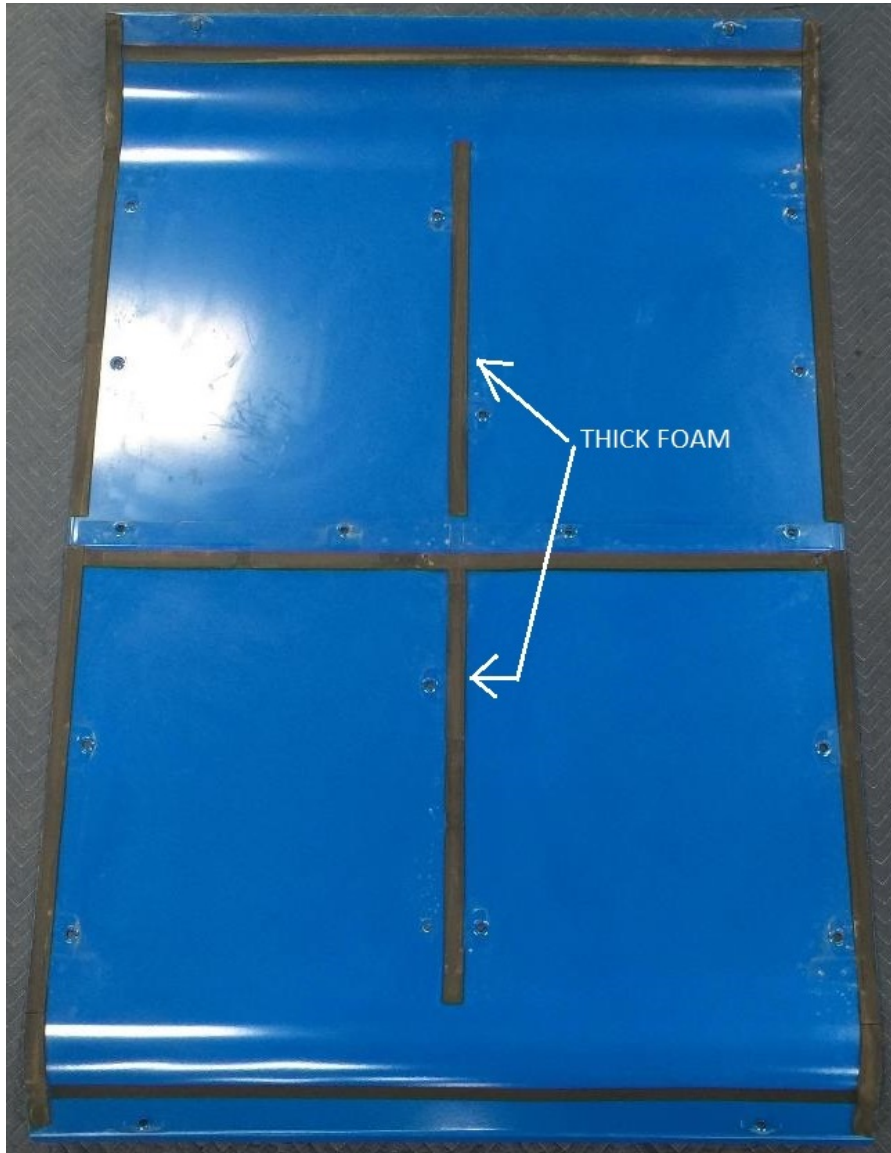


Figure 1

## **Cognito Motorsports**

### **Limited Lifetime Warranty**

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.)

This warranty is for a one-time replacement of each Cognito Motorsports product and does not cover any part that Cognito Motorsports has previously replaced under this warranty. This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warrant are sales outside of the United States of America. Alterations to the finish of the parts including but not limited to painting, powder coating, plating, and/or welding will void all warranties. Cognito Motorsports obligation under this warranty is limited to the repair or replacement, at Cognito Motorsports option of the defective product. Any and all costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty.

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.