



## **Cognito Motorsports, Inc. 2011-2013 Polaris RZR XP/XP4 900 factory replacement rear sway bar kit**

The OEM Polaris sway bar is made from tubing and prone to bending and then breaking. This replacement bar installs the same way that the OEM bar does, and is the same stiffness as a NEW OEM bar. We say NEW, because the OE bar becomes weaker and weaker until it finally breaks. Also recommended is the Cognito trailing arm gusset kit part # POL-RZRXP-TAGUSSET-1, as the stock trailing arm has been found weak where the sway bar end link bolts to it, this gusset kit will reinforce that area on the STOCK trailing arms (welding required). Also recommended is gusseting the frame where the sway bar clamps bolt to the frame. Those frame brackets are thin and bend and rip off of the frame. Cognito is working on a gusset at this time, please call for availability.

Remove the OE sway bar per the Polaris service manual, and install the Cognito factory replacement sway bar per the Polaris service manual. Over view of the steps are listed below:

- Lift and support rear of vehicle by main frame, remove rear wheel lug nuts and rear wheels.
- Remove the fasteners retaining the sway bar end links to the sway bar, pay attention to the hardware placement so that it may be re-installed just like factory.
- Remove the 4 fasteners holding the sway bar to the frame, remove the u-clamp plates for ease of removing the bar from the vehicle. Remove the sway bar from the left hand side wheel well area of the vehicle.
- install the provided new sway bar locating clamps on the sway bar and place them 20.1/4" apart outside to outside, and center them on the bar left to right. Tighten to 10 ft/lbs of torque.
- See figure 1 or the service manual to determine the top side of the sway bar since the end link mounts are not vertical. If the bar is installed upside down, the end links will break! The ends taper up to the middle.
- install the new Cognito factory replacement sway bar into the frame from the left hand wheel well area. Grease the new bushings with a thick axle, moly, or cv grease, then install the bushings and the u-plate clamps on the bar and tighten to the frame with the OEM hardware to 17 ft/lbs.
- Re fasten the end links to the sway bar just like they came off and tighten to 30 ft/lbs.
- install rear wheels and lug nuts, tightening to manufacturer's specification.

Instruction set 7069



Figure 1: Showing the top side of the bar, end angles in at top, just like OEM



Figure 2: End Link mounted, also shown is the trailing arm gusset welded in

## **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 hiem 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.