



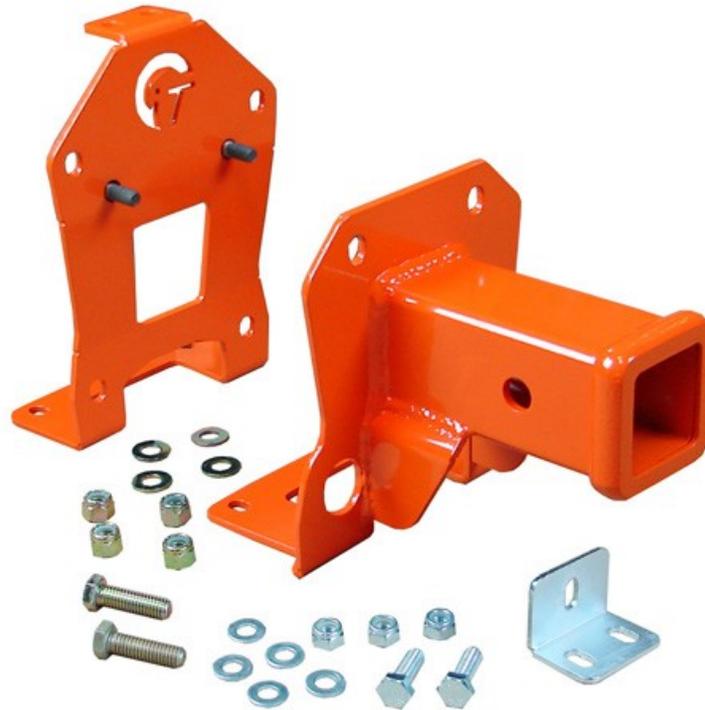
PZ2829 Series

Thunderhawk
P E R F O R M A N C E

INSTALLATION INSTRUCTIONS

Rear Receiver Hitch System

Fits Polaris RZR XP 1000, XP-4 1000 and XP Turbo; 2016 - 2023
(including RZR's equipped with Polaris Rear Bumper)



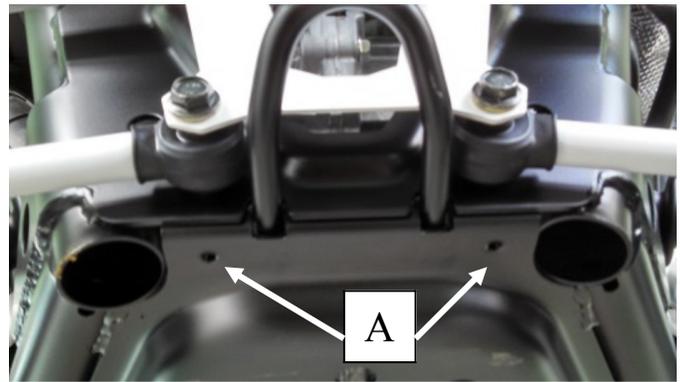
Tools and Supplies

Jack & Jack-Stands
Ratchet Wrench
9/16" Socket
13mm Socket
Deep 13mm Socket
15mm Socket
9/16" Combination Wrench
13mm Combination Wrench
15mm Combination Wrench
Electric Drill
3/8" Drill Bit

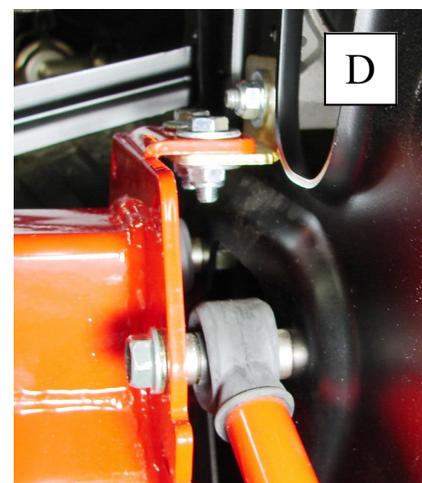
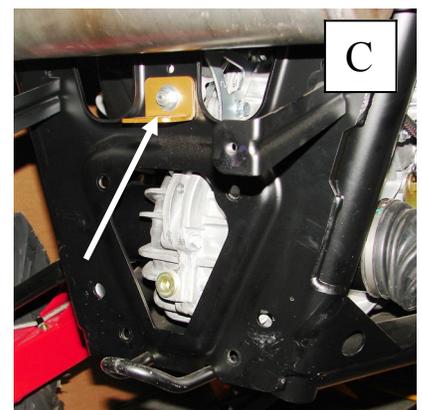
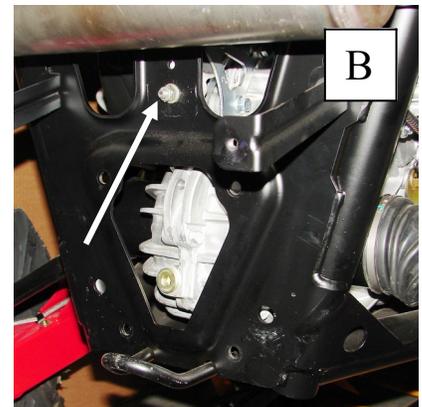
Be certain to observe all safety precautions related to the use of jack-stands throughout the installation of this product.

Installation Instructions

This section covers the installation of the double-shear frame plate. This plate features an access hole for the rear differential fill plug and does not need to be removed from the RZR for differential maintenance. This plate also strengthens the frame and allows the radius rods to be removed and re-installed (individually or all four) easily while this plate is installed.



1. Raise the rear of the RZR with a jack so both rear tires are just barely touching the floor. Safely support the RZR with jack-stands.
2. Looking at the frame, under the rear of the RZR, you will see two small holes punched into the sheet metal frame (arrows in photo “A”). These two holes will be used to mount the bottom of the hitch, and they must be drilled-out to 3/8”.
3. Remove the radius rod bolts at the four center (vehicle frame) locations. The factory radius rod plate is removed, and will not be re-used.
4. The mounting nuts for the rear motor mount are located just above the radius rod mounting locations in the center of the frame. Remove only the lower nut of the rear motor mount (arrow in photo “B”). This nut will not be re-used.
5. Install the L-shaped mounting bracket on the lower motor mount stud, using the supplied nylon lock-nut and washer (arrow in photo “C”). This nut should be snug, but not fully tightened, so that bracket can be moved.
6. Install the double-shear radius rod support plate. Place the four radius rods in-position, so that the ends will be between the frame and the double-shear plate before you install the plate. The top of the double-shear plate will sit atop the L-shaped bracket and the bottom section will be under the frame.
7. Install two supplied bolts (with flat washers) through the double-shear plate’s two top mounting holes and then install two nylon lock-nuts (with flat washers). This will secure the plate to the L-shaped bracket (see photo “D”) and hold everything in-place for the rest of the installation. Tighten these two nuts so that they are snug, but not fully tightened, so that the double-shear plate can move. *Please note: Photo shows PZ2948 hitch, but installation of the double-shear plate is the same.*
8. Install the four radius rods using factory bolts, nuts and washers. Torque bolts to spec for year and model RZR.
9. Verify that the two bottom mounting holes in the double-shear plate are aligned with the two holes in the frame that were drilled-out to 3/8” (in step #2).
10. Tighten the two top bolts (installed in step #7).
11. Tighten the motor mount nut (installed in step #5).



This section covers the installation of the removable receiver hitch plate. In order to fit with the Polaris rear bumper, the receiver hitch tube must be positioned so that it covers the rear differential fluid inspection and re-fill plug. Thunderhawk's patent-pending design allows the rear receiver hitch to be removed for differential service without dis-assembling the rear suspension's four radius rods. Installation and removal of the receiver hitch plate requires only the removal of four bolts. This procedure is covered below.

12. Position the hitch plate onto double-shear radius rod support plate that you have just installed.
13. The top two holes in the hitch plate will be installed onto the two studs on the double-shear plate.
14. Install two supplied 3/8" nylon lock nuts (with flat washers) onto the studs. This will hold the hitch plate in place for the rest of the installation. Tighten these two bolts so that they are snug, but not fully tightened, so that the hitch plate can move.
15. Install two supplied 3/8" x 1 1/4" long bolts (with flat washers) into two mounting holes on the bottom of the hitch plate. These bolts will go up through the holes on the bottom of the hitch plate, passing through the holes in the double-shear plate and then through the two holes in the frame that were drilled-out to 3/8" in step #2 (marked "A" on photo on previous page). Install two supplied nylon lock nuts onto these bolts from above. Tighten these two nuts so that they are snug, but not fully tightened, so that the hitch plate can move.
16. Lift the hitch plate (forward and up), so that it is tight against the double-shear radius rod plate. Tighten the two 3/8" nuts installed in step #14.
17. Tighten the two 3/8" nuts installed in steps #15.
18. Remove jack-stands and lower vehicle.



Hitch Installed

Removed for Service