



PR2724 / PR3277

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

## INSTALLATION INSTRUCTIONS

### PR2724 Rear 2" Receiver Hitch PR3277 Double-Shear Radius Rod Support Plate

Fits Polaris RS-1; 2018 - 2022



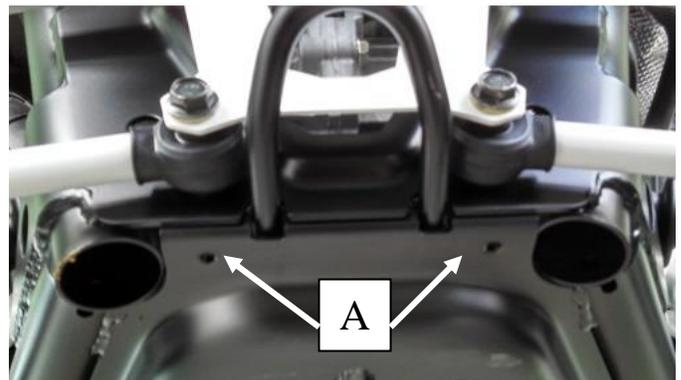
### ***Tools and Supplies***

Jack & Jack-Stands  
Ratchet Wrench  
½" Socket  
13mm Socket  
18mm Socket  
13mm Combination Wrench  
18mm Combination Wrench  
Electric Drill  
¼" Drill Bit  
Socket Adapter (to use drill for installing self-tapping bolts)

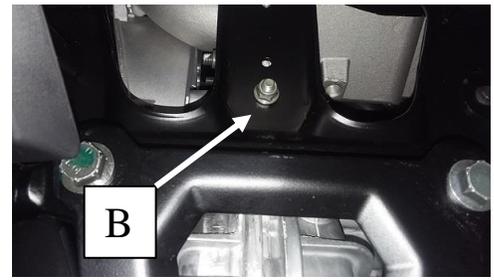
Be certain to observe all safety precautions related to the use of jack-stands throughout the installation of this product.

### ***Installation Instructions***

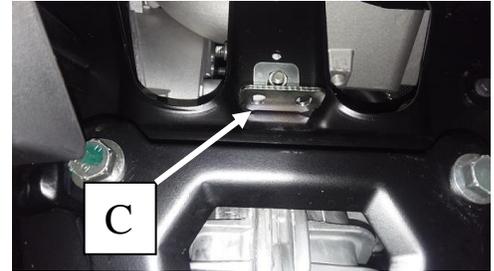
1. Raise the rear of the RS-1 with a jack so both rear tires are just barely touching the floor. Safely support the machine with jack-stands.
2. Looking at the frame, under the rear of the RS-1, you will see two small holes punched into the sheet metal frame (arrows in photo "A"). These two holes will be used to mount the bottom of the hitch, and they must be drilled-out to ¼".



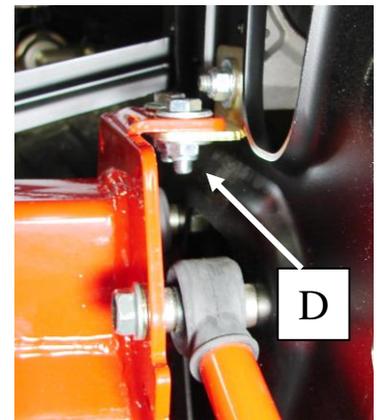
3. Remove the radius rod bolts at the four center (vehicle frame) locations. The factory radius rod plate is removed, and will not be re-used.
4. The mounting nuts for the rear motor mount are located just above the radius rod mounting locations in the center of the frame. Remove only the lower nut of the rear motor mount (arrow in photo marked "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 marked "C"). This nut should be snug, but not fully tightened, so that bracket can be moved.



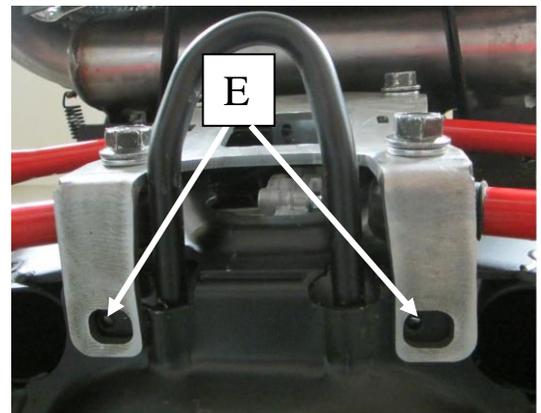
6. Install the hitch or double-shear plate. Place the four radius rods in-position, so that the ends will be between the frame and the plate. The top of the plate will sit atop the L-shaped bracket. The bottom of the plate will be under the frame, with the lower mounting holes aligned with the two holes drilled-out in step #2 (arrows in photo marked "E").



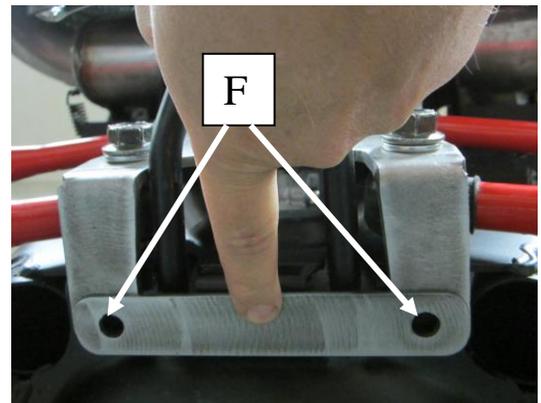
7. Install two supplied bolts (with flat washers) through the hitch plate's two top mounting holes and then install two nylon lock-nuts (with flat washers). This will secure the hitch plate to the L-shaped bracket (arrow in photo marked "D") and hold everything in-place for the rest of the installation. Tighten these two nuts so that they are snug, but not fully tightened, so that the hitch plate can move.

8. Install the four radius rods using factory bolts, nuts & washers. Torque bolts to spec for your year and model RS-1.

9. Tighten the two top bolts (installed in step #7).
10. Tighten the motor mount nut (installed in step #5).



11. Position the 2-hole cross bar (as shown in bottom photo) so that it's two round holes align with the two larger, elongated holes on the lower mounting tabs of the hitch. Install the two supplied 5/16" thread-forming bolts through the round holes in the cross bar (arrows in photo marked "F"), passing up through the holes in the lower mounting tabs of the hitch and into the frame (where the two holes were drilled out in step #2). Tighten these two bolts.



12. Remove jack-stands and lower vehicle.