



2020+ Polaris RZR Pro XP  
High Clearance Trailing Arms # S3170



**INSTALLATION INSTRUCTIONS**  
**RZR Pro XP – High  
Clearance Trailing Arms**



## 2020+ Polaris RZR Pro XP High Clearance Trailing Arms # S3170

### PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
	S3170	Passenger Trailing Arm	1
	S3170	Driver Trailing Arm	1
		7/8" RH Heim Joint	2
		7/8" RH Jam Nut	2
	11287	Misalignment Spacer	4
		3/16" Rivet	6

- 1.) Place RZR in park (P) on a flat level surface. Support the vehicle on suitable jack stands.
- 2.) Remove rear tires.
- 3.) Remove the two radius rod bolts and nuts that secure radius rods to hub. Carefully pull outward on the trailing arm and let radius rods hang.
- 4.) Remove the two brake caliper bolts, and remove brake caliper from rotor. Using 3/16" drill bit, drill out rivets securing brake line to factory trailing arm. Set caliper and brake line safely aside.
- 5.) Remove cotter pin and axle nut from hub, using 30mm socket. Retain hardware and note orientation of cone washer. Remove hub from bearing carrier.
- 6.) Remove bearing carrier from factory trailing arm by removing 4 bolts/nut securing them together.
- 7.) Remove lower shock bolt and sway bar bolt. Let trailing arm hang gently.
- 8.) Remove bolt/nut securing factory trailing arm to frame. This will free the trailing arm from the RZR.
- 9.) Remove wheel scraper from factory trailing arm. Set aside for install onto S3 Trailing Arm. See Picture A.
- 10.) Prep S3 Trailing Arm – install jam nut onto 7/8" heim. Thread heim into trailing arm and set to factory length. (*Pro Tip : Measure factory trailing arm – center shock bolt hole to center radial joint bolt hole. Adjust heim on S3 Trailing Arm to match this measurement.*) See Picture B.
- 11.) Install S3 Trailing Arm into frame using factory hardware. Tighten to factory spec. (*Note : Trailing Arms are side specific.*) (*Note : Red threadlocker recommended.*)
- 12.) Elevate Trailing Arm and install shock bolt and nut. Tighten to factory spec. (*Note : Red threadlocker recommended.*)
- 13.) Lower sway bar link into Trailing Arm and install nut/bolt. Tighten to factory spec. (*Note : Red threadlocker recommended.*)
- 14.) Install factory wheel scraper onto S3 Trailing Arm, using factory hardware. See Picture C.



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- 15.) Install bearing carrier onto S3 Trailing Arm using factory hardware. Tighten to factory spec in crisscross pattern. *(Note : Red threadlocker recommended.)*
- 16.) Insert axle into bearing carrier. See Picture D and E.
- 17.) Insert hub/rotor assembly into bearing carrier, ensuring axle splines into hub. Install cone washer and axle nut with raised side of cone washer facing outwards. Tighten axle nut to factory spec and install cotter pin. *(Note : Red threadlocker recommended.)*
- 18.) Route the brake caliper and brake line along the backside of the Trailing Arm and install caliper onto rotor, ensuring the brake pads are on both sides of the rotor. Tighten caliper to bearing carrier using factory hardware and torque specs. *(Note : Blue threadlocker is recommended.)*
- 19.) Install upper radius rod into bearing carrier using factory hardware and torque spec. *(Note : Route brake line over radius rod.) (Note : Red threadlocker recommended.)* See Picture F.
- 20.) Install lower radius rod into bearing carrier using factory hardware and torque spec.
- 21.) Tighten jam nut on heim joint. *(Note : Red threadlocker recommended.)*
- 22.) Rivet brake line to Trailing Arm into predrilled holes using provided 3/16" rivets and factory brake line tabs. *(Note : the tab nearest the hub will need to be flipped.)* See Picture G.
- 23.) Reinstall plastic brake line guard using two previously removed bolts. Zip tie guard to brake line near the hub.
- 24.) Repeat for opposite side.
- 25.) Reinstall wheels/tires to factory spec and lower RZR to the ground. Test drive and recheck all hardware.

Thank you for choosing S3 Power Sports! Let us know if you have any questions! 855-221-7097



## 2020+ Polaris RZR Pro XP High Clearance Trailing Arms # S3170

Picture A



Picture B



## 2020+ Polaris RZR Pro XP High Clearance Trailing Arms # S3170



**Picture C**



**Picture D**



## 2020+ Polaris RZR Pro XP High Clearance Trailing Arms # S3170



**Picture E**



**Picture F**



## 2020+ Polaris RZR Pro XP High Clearance Trailing Arms # S3170



**Picture G**



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