



2020+ Polaris RZR Pro XP
High Clearance Front Lower A-Arms # S3166



INSTALLATION INSTRUCTIONS
**RZR Pro XP – High
Clearance Front Lower
A-arms**



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PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
	S3166	Passenger Lower Arm	1
	S3166	Driver Lower Arm	1
	30133	HD Sway Bar Link	2
	30134	Misalignment Spacer	8
	MXM-10	RH Heim Joint (w/jam nut)	2
	MXML-10	LH Heim Joint (w/jam nut)	2

- 1.) Place RZR in park (P) on a flat level surface and elevate the front of the machine. Support the vehicle on suitable jack stands.
- 2.) Remove front tires.
- 3.) Remove lower ball joint pinch bolt and dislodge ball joint from steering knuckle, using a rubber hammer. See Picture A.
- 4.) Remove the two bolts, washers, and nuts securing the arm to the frame, using an 18mm socket and wrench. *(Pro Tip : Remove the two T-40 bolts on the lower section of the front fascia and pull back fascia to allow the front a-arm bolts to slide out.)* See Picture B.
- 5.) Remove OEM ball joints from factory arm. Removing snap ring from ball joints is necessary before pressing them out. *(Pro Tip : Do not hammer ball joints out. This will damage them.)*
- 6.) Remove OEM bushings from factory arm. The brass collars will pop out of the bushing tubes. The smaller bushing tube has a circlip that requires removal before the bushing can be separated from the arm. The larger bushing tube's two bushings can be hammered out in opposite directions. *(Pro Tip : Use a punch without a sharp edge to remove bushings from large bushing tube.)* See Picture C.
- 7.) Install ball joints and bushings into S3 arms in reverse order of removal. *(Note : It may be necessary to remove some powder coat from the ball joint bracket to properly press the ball joint in. It may also be necessary to remove some powder coat from the small bushing tube circlip groove, in order to seat circlip properly.)* See Picture D.
- 8.) Install S3 arms into frame slots, in reverse order of removal. Tighten bolts to factory specs. *(Note : Arms are side specific.) (Pro Tip : Red threadlocker recommended.)*



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- 9.) Reinstall lower ball joints into steering knuckles. *(Pro Tip : Line up the ball joint shaft with the knuckle opening, and use a rubber hammer to lightly tap the ball joint in. Peering through the pinch bolt hole, line the groove in the ball joint shaft up so the pinch bolt will slide through easily.)*
See Picture E.
- 10.) Reinstall bolts, washers, and nuts. Tighten to factory spec. *(Pro Tip : Red threadlocker recommended.)*
- 11.) Remove OEM sway bar link using 18mm socket. Retain hardware
- 12.) Thread RH and LH heim joints in HD Sway Bar Link until bottomed out. Tighten Jam Nut. *(Pro Tip : Red threadlocker recommended.)*
- 13.) Install HD Sway Bar Link using OEM hardware. Reinstall OEM hardware to factory spec.
- 14.) Repeat process for opposite side.
- 12.) Reinstall two T-40 bolts into front fascia.
- 13.) Reinstall wheels/tires and lower machine to the ground.
- 14.) Test drive and recheck all hardware.

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



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Picture A



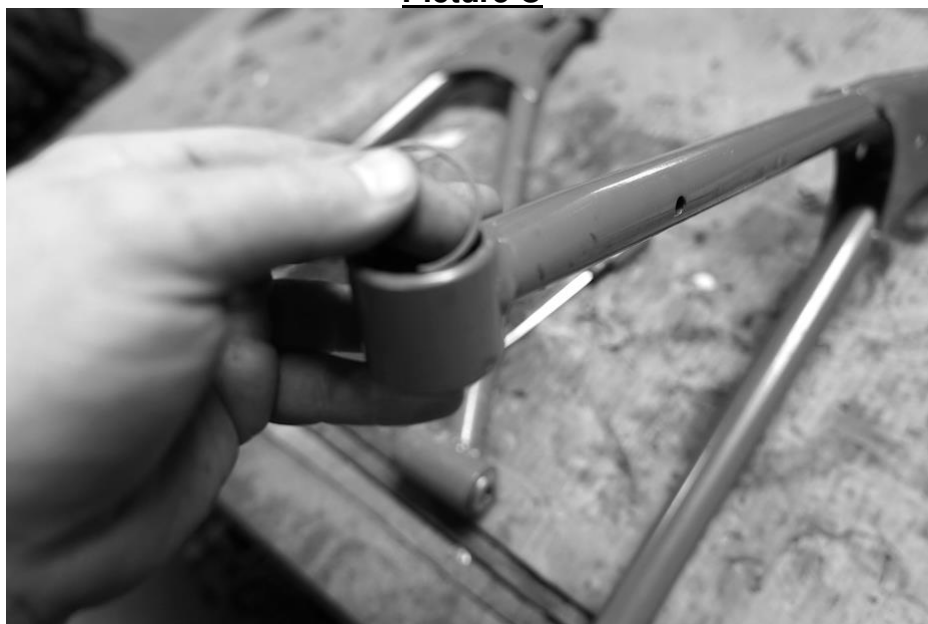
Picture B



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Picture C



Picture D



2020+ Polaris RZR Pro XP High Clearance Front Lower A-Arms # S3166



Picture E

