



TREX Polaris A-Arm Installation Instructions

Difficulty: 3/10

Estimated Time: 60-90 Minutes

Tools Needed: 8mm hex key, T27 Torx bit, 13/14/15/17 mm wrench, 13,15 mm socket, Small external e-clip pliers, tape measure, small flat head screwdriver, crescent wrench or 19 and 21 mm wrench.

Installation note: All bolts should have Loctite applied and torqued to factory specifications. When installing the 34 inch kit you may have to set the toe, we recommend factory specs. Most of the time it is ok if you were accurate in the measurement processes below.

Step 1: Securely lift the sled or tip it on its side.

Step 2: Remove the upper a-arm spindle bolt and then the (4) 13mm bolts attaching the upper a-arm to the bulkhead. If you are installing a 34 inch kit completely remove the spindle from the sled, leaving the ski attached.

Step 3: Take the T-rex arm upper arm and lay it over the factory one to verify you have the correct side. (The correct orientation of the T-rex arm is with the gusset facing up) Remove the circlips from the factory arm mounting pins and transfer them to the T-rex arm. Install them, including the washers, in the same orientation that they came out of the stock arm. Holding the arm against a flat surface set the heim joint distance. For the standard kits that is roughly $10\frac{3}{4}$ to the center of the hole, for the 34 inch kit it should be roughly $9\frac{3}{4}$. Do not tighten the jam nuts at this stage.



Step 4 (only Necessary if installing a 34 inch kit): Remove the (3) T27 torx bolts and 2 push lock fasteners holding on the tie rod rubber boot to the bulkhead and remove the inner tie rod. Measuring from the centers of the heim joints write down the overall length from center to center. Remove the tie rod ends from the factory tie rod and install them onto the T-rex ones. You will use the measurement you previously took MINUS 1 inch to set your baseline center to center length. Leave the Jam nuts loose and set the rod aside for now.

Step 5: Reinstall the new T-rex upper arm unless you are installing a 34 inch kit. The taller spacer goes towards the spindle with the stock washer mounted below it. Use the supplied hardware with the stock washers

Step 6: Remove the lower a-arm shock bolt, lower sway bar mounting bolt, and the (3) 13mm nuts holding the lower arm on. Then remove the remaining 15mm mounting bolt at the front.



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Step 7: Take the T-rex arm lower arm and lay it over the factory one to verify you have the correct side. (The correct orientation of the T-rex arm with the clearance bend facing the front and the straight section to the rear) Remove the circlips from the factory arm mounting pins and transfer them to the T-rex arm. Install them, including the washers, in the same orientation that they came out of the stock arm. Holding the arm against a flat surface set the heim joint distance. For the standard kits that is roughly 15 7/8 to the center of the hole, for the 34 inch kit it should be roughly 14 7/8. Do not tighten the jam nuts at this stage.



Step 8: Install the lower arm back onto the bulkhead but leave out the 15mm bolt in the front until you have completed the second side. This bolt goes through both sets of arms. Use the supplied bolt for the lower shock mount and the supplied bolt for the lower sway bar mount. The sway bar dogbone goes on the outside of the tube closest to the ski.

Step 9 (only Necessary if installing a 34 inch kit): Reinstall the spindle and tie rod assembly. The end of the tie rods with the knurling goes towards the spindle. The fitment of the lower ball joint to the spindle is very precise. It must enter the spindle flat. Be gentle and don't use a lot of force, when its aligned it will go right in.

Step 10: Align the upper and lower ball joint heim joints and tighten them. You want the bolt going through them to be centered to allow for maximum movement without binding. You can hold the heim in place with a wrench while you tighten the jam nut.



Step 11: Check the toe in and if necessary, adjust to factory specs. For the 34 inch kits, after you have checked the toe and are happy with it, tighten the jam nuts and reinstall the rubber boot.

Step 12: Give everything another once over to make sure you didn't miss anything and get out on the snow!