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## **Ranger 150 2" Lift Kit**

**Polaris Ranger 150 | 2017+**

**Part #: 5101226**

**Rev. 070518**

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### **SAFETY WARNING**

RT Pro UTV recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

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### **WHY BUY RT PRO UTV**

Great off-road driving and racing comes with having the most rugged and durable machine in the pack.

RT Pro UTV performance enhancing products will make your off-road machine stronger, tougher and safer so you can have more fun and less breakdowns.

For over a decade, RT Pro UTV staff have been taking brand new UTVs and driving them to their breaking point. When they bend, break or falter, we take them back to shop and create a fix that stops the problem from happening again.

There is no other company in the industry that puts more thought, engineering and design innovation into their products than we do. Our team is made up of off-road racers, mechanical engineers and talented fabricators who live and breathe all things motorsport. Above all, we share a passion for innovation, quality construction and getting things right.

All of our products are designed for assembly by weekend warriors with normal garage tools and the occasional spot-weld. Assembly directions are complete and thorough.

Remember, when you buy a RT Pro UTV product for your UTV, all of the parts have been designed and manufactured in the United States with U.S. steel and other high quality American components.

RTP5101226	
Description	QTY
Front Lift Channel Bracket	2
Rear Lift Bracket	2
5/8" x 5/8" Sleeve	2
5/8" x 1.000" Sleeve	2
1" Tube Bracket Clamp	2

RTP5101226 Hardware	
Description	QTY
3/8" Thick Washer	4
10mm - 1.50 x 60mm Bolt	4
10mm - 1.50 x 55mm Bolt	2
10mm Washer	12
10mm - 1.50 Prevailing Torque Nut	6
5/16" -18 x 1-3/4" Bolt	4
5/16" -18 Prevailing Torque Nut	4
5/16" SAE Washer	8

## FITMENT NOTES

The 2" Ranger 150 is design around the coilover preload being at the lowest setting and does not use preload to lift the vehicle.

## SPECIAL TOOLS

Basic Socket Set

## INSTALLATION TIME

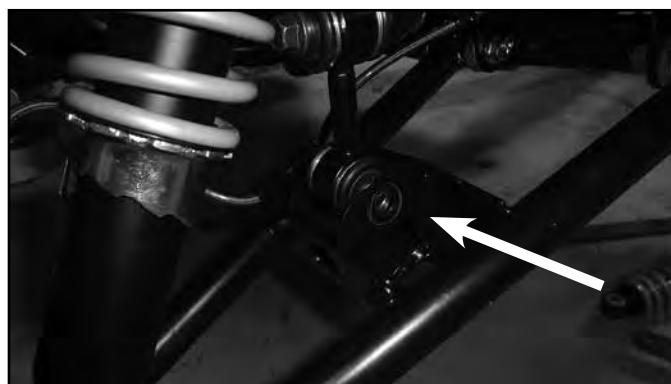
Approximately 2 hours  
Medium Difficulty

# INSTALLATION INSTRUCTIONS

## FRONT END

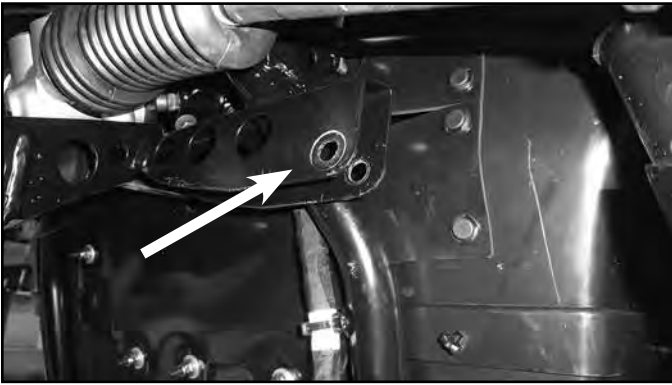
1. Raise the front of the vehicle and rest on solid jack stands.
2. Remove front wheels.
3. Remove the front sway bar bolts from both front control arms. Save hardware to be reused later.

**Figure 1**

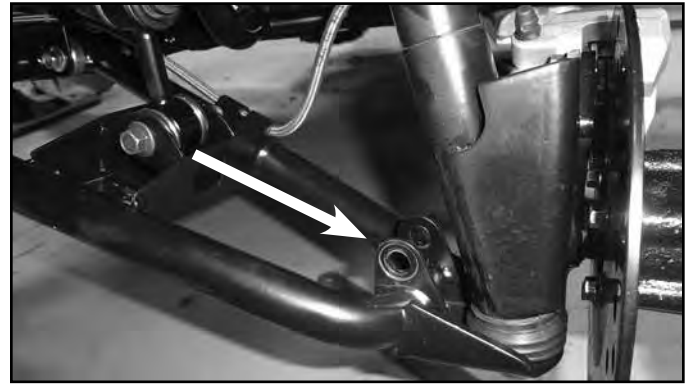


4. Support the front control arm / coilover assembly. Remove the upper and lower coilover bolts from the frame. Remove the coilover assmebly from the vehicle and save hardware to be reused later.

**Figure 2**

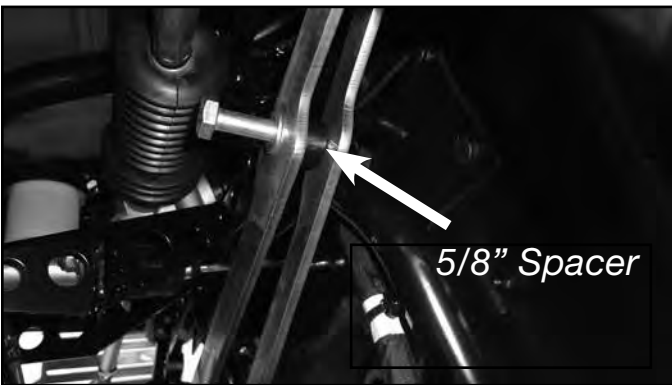


**Figure 3**

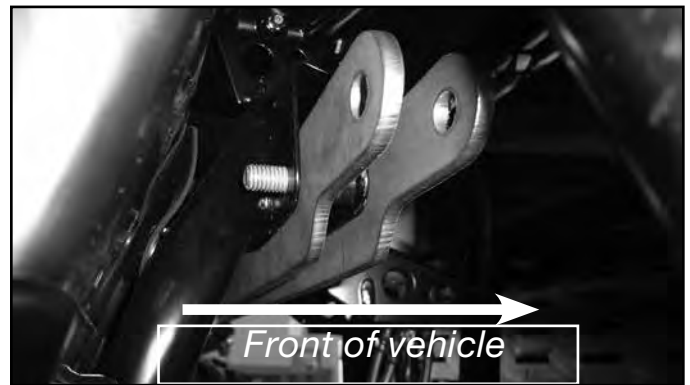


5. Install a lift channel brackets in the front of the vehicle on the inside of the factory coilover bracket. The lift channel bracket will have a slight bend which needs to go towards the rear of the vehicle. Install the provided 5/8" long spacer between the lift channel bracket and the frame (Figure 4). The other lift channel bracket will install on the front face of the factory frame mount. Use the provided 10mm-1.50 x 55 mm bolts, 10mm washers, and 10mm lock nut through the factory frame mount to mount the lift channel brackets. Leave hardware loose.

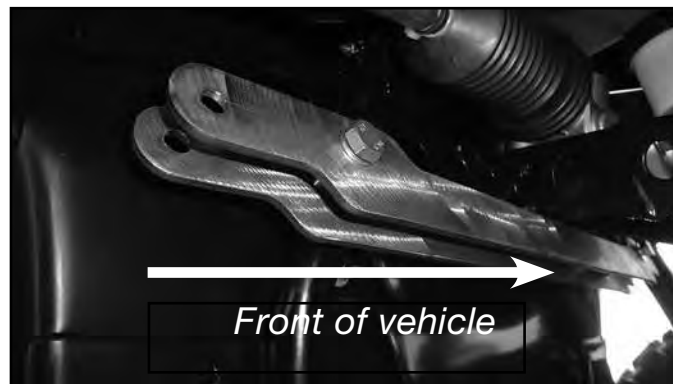
**Figure 4**



**Figure 5**



**Figure 6**



6. Install the coilover into the vehicle with the upper coilover mounting into the new outer mount location on the lift channel bracket and factory position on the lower control arm. Use factory hardware to attach the coilover. Tighten all coilover and lift channel bracket hardware to 40 ft-lbs.

*Note: The coilover will be very close to the steering knuckle, but should not contact the steering knuckle. With the weight of the vehicle the knuckle will move away from the coilover.*

**Figure 7**



**Figure 8**



7. Reinstall the factory sway bar link hardware in the lower control arm and tighten to 40 ft-lbs.
8. Reinstall wheels and lower vehicle to the ground.

## **REAR END**

9. Raise the rear of the vehicle and rest on solid jack stands under the chassis and NOT the live axle.

*Note: The vehicle is very back heavy, ensure the front does not lift off of the ground. The rear live axle will need to be lowered for the rear lift installation.*

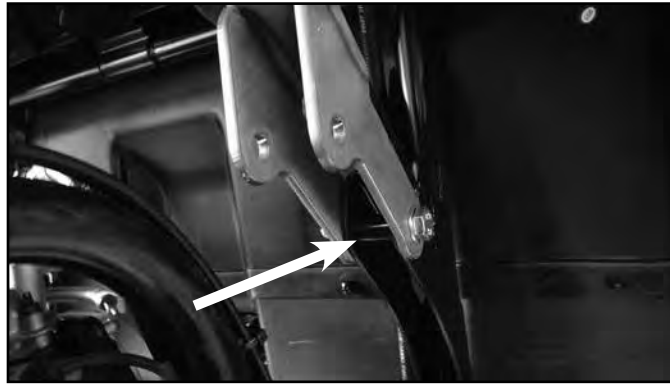
10. Remove rear wheels.
11. Support the rear live axle assembly. Remove the upper coilover bolts from the frame. Swing the coilover out of the way. Discard upper coilover hardware, it will not be reused.

**Figure 9**



12. Install the rear lift bracket over the outside of the factory coilover mount on the frame. Install the provided 1.000" long spacer through the factory coilover frame mount (Figure 10). Attach to the frame using the provided 10mm-1.50 x 60 mm bolts, 10mm washers, and 10mm lock nut. Leave hardware loose.

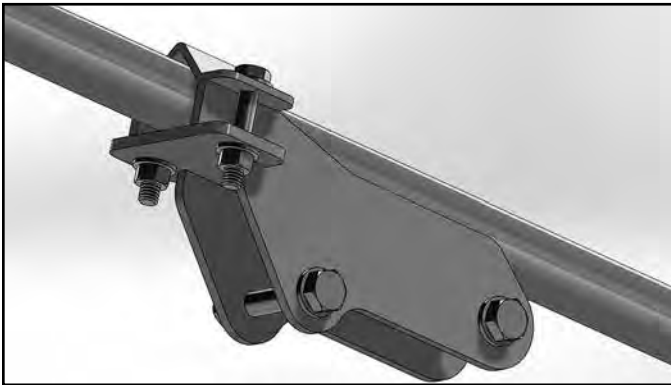
**Figure 10**



13. Swing the rear lift bracket up to the frame tube and install the 1" tube bracket clamp over the frame tube and attach to the rear lift bracket using two provided 5/16" -16 x 1-3/4" bolts, 5/16" washers, and 5/16" lock nut. Tighten the 5/16" hardware to 15 ft-lbs and the 10mm hardware to 40 ft-lbs.

*Note: The 1" tube bracket clamp should tighten down on to the stops on the rear lift bracket as shown in Figure 11. This will create a solid mount between the two.*

**Figure 11**



**Figure 12**



14. Install the upper coilover to the rear lift bracket using the provided 10mm-1.50 x 60 mm bolts, 10mm washers, and 10mm lock nut along with the thick washers used as spacer on each side of the coilover. Tighten the 10mm hardware to 40 ft-lbs.

**Figure 13**



15. Reinstall wheels and lower vehicle to the ground.

## **POST INSTALLATION**

16. Double check the front toe-in setting and remember to tighten the tie rod jam nuts.
17. Tighten all lug nuts to factory specification.
18. Re-check lug nut and all lift kit torque after 10 hours of use.

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For questions or additional information feel free to call and ask for tech support or email us through our website at: [rtproutv.com/contact](http://rtproutv.com/contact)



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