

Polaris RZR Pro R & Turbo R Dual Rate Spring Kit

Written Installation Instructions

- **Preparation:**
 - Jack the front of the vehicle off the ground until both tires move freely.
 - Install jack stands for added safety.
 - Remove the driver's side front sway bar link to ease shock removal.
 - Unplug both electronic plugs connected to the shock.
- **Removing Front Shocks:**
 - Remove the lower shock bolt using a 21mm socket and wrench.
 - Remove the upper shock bolt and hardware using the same tools.
 - A trick for removing the front shocks: After removing the upper and lower bolts, jack the car up further to create a gap between the shock mount and arm mount. This makes it easier to remove the shocks.
- **Spring Compressor Work:**
 - Place the shock into a spring compressor.
 - Lower the factory bump stop a few inches to remove the lower spring perch.
 - Compress the spring slowly and remove the lower spring perch.
 - Remove the factory lower spring, followed by the factory divider and the factory upper spring.
- **Setting Preload and Crossover Measurements:**
 - Set preload to 2 inches.
 - Set crossover measurement to 4 inches.
- **Installing New Spring Kit:**
 - Start with the upper spring, then the factory divider, and finally the lower spring. Ensure the spring numbers are upside down and clock both spring ends 180 degrees apart.
 - Compress the spring system and reinstall the factory lower spring perch.
 - Release and remove the shock from the compressor.
- **Reinstalling Front Shocks:**
 - Reinstall the shock in the same orientation it was removed.

- Install the upper shock bolt and nut but leave the hardware loose.
- Reinstall the shock connectors.
- Lower the vehicle with the jack to aid in installing the lower shock bolt.
- Install the lower bolt and nut, and reconnect the front sway bar link.
- Repeat these steps for the opposite side.
- **Rear Shock Installation:**
 - Jack up the rear of the vehicle so that both tires are off the ground, and use jack stands.
 - Remove the factory lower shock bolt and nut using a 21mm socket and wrench.
 - Disconnect the shock connectors and remove the upper shock hardware.
 - Remove the rear shock from the vehicle and place it in a spring compressor.
 - Follow similar steps as the front for compressing and replacing the springs.
- **Setting Preload and Crossover for Rear:**
 - Set preload to 7.5 inches.
 - Set crossover measurement to 11 inches.
- **Final Assembly and Adjustments:**
 - Carefully release the spring tension and reinstall the rear shock, starting with the upper hardware.
 - Connect the shock plugs, install the lower hardware, and leave all hardware loose.
 - Repeat on the opposite side.
 - Lower the vehicle to the ground.
 - Drive the vehicle back and forth to settle the suspension.
 - Measure and adjust the crossover gaps: 2 inches in the rear and 1 inch in the front.
 - Tighten down all shock hardware, ensuring the front shock hardware is torqued to 140 ft-lbs.
 - Recheck your ride height after the first 200-400 miles as the springs settle.
 - Adjust the ride height according to any weight changes in the vehicle.

- **Final Remarks:**

- The spring kit is tailored to individual needs and comes with a lifetime warranty. It is designed to improve ride quality, reduce chop and chatter, and enhance performance.

For any further technical assistance call (623) 217 - 4959.