

# Installation Instructions

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USA Tech Support 800-507-2338 ext. 114



## PRO-UTV: E85-209-007-03-22

POLARIS RZR XP 1000

### Notes

WALKER EVANS FRONT AND REAR

STAGE 3 (EXTRA LOAD) 150 lbs in bed, 50 lbs in passenger compartment

All measurements were taken from a vehicle with 30" tires.

### Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0200S	2
FRONT MAIN SPRING	1000.300.0350S	2
REAR SECONDARY SPRING	1000.300.0150S	2
REAR MAIN SPRING	1800.300.0350S	2
FRONT SLIDERS	8001100	2
FRONT CROSSOVER RINGS	8001224	2
REAR SLIDERS	8001498	2
REAR CROSSOVER RINGS	8001063	2

### Installation Notes

#### Read all instructions before beginning installation

- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by safety stands and wheels are blocked.
- Never use impact wrenches or impact guns to install or remove shock absorber piston components, shafts and Piston rod nuts.
- All Eibach springs should be installed with the Eibach logo right-side-up.
- After Installation, inspect and adjust the following: Wheel Alignment; tire/wheel fender clearance when using aftermarket wheels or tires; brake line clearance and attachments; anti-lock-brake system sensors.

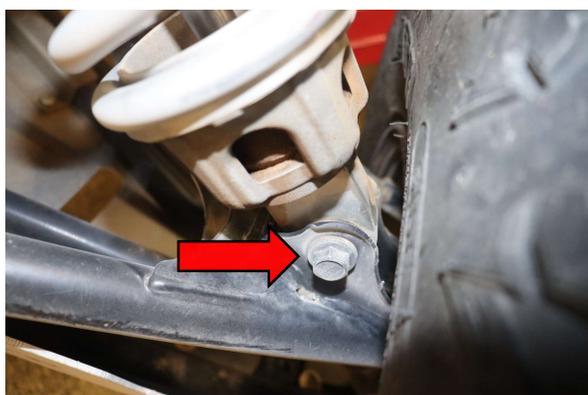
## FRONT INSTALLATION



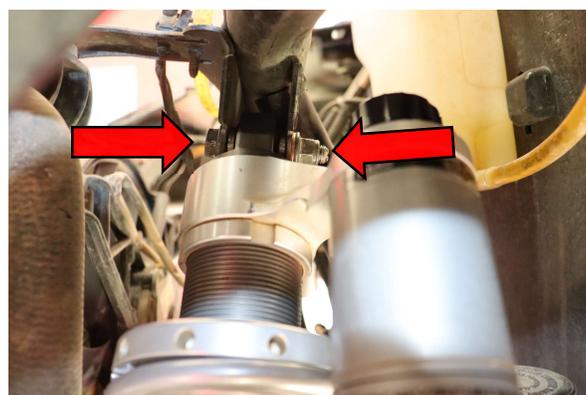
Step 1. Raise the front of the vehicle and support it with the proper safety equipment. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



Step 2. Support the axle using a strap or jack to prevent axle damage.



Step 3. Remove 15mm bolt and nut for lower shock bolt.



Step 4. Remove 15mm bolt and nut at upper shock mount.



Step 5. Remove shock assembly from vehicle between upper and lower control arms.

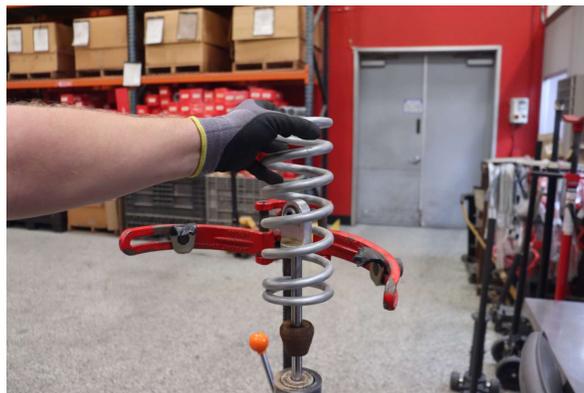


Step 6. Use spring compressor to compress shock assembly.

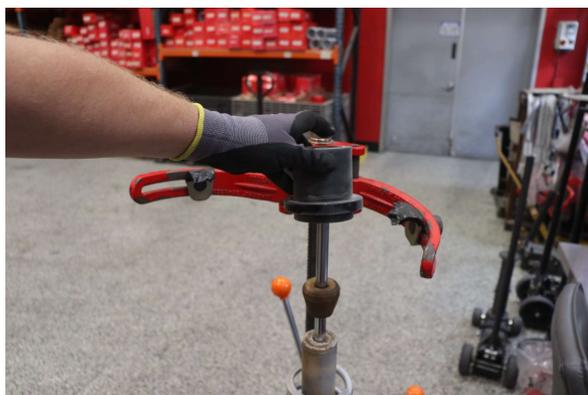
## FRONT INSTALLATION



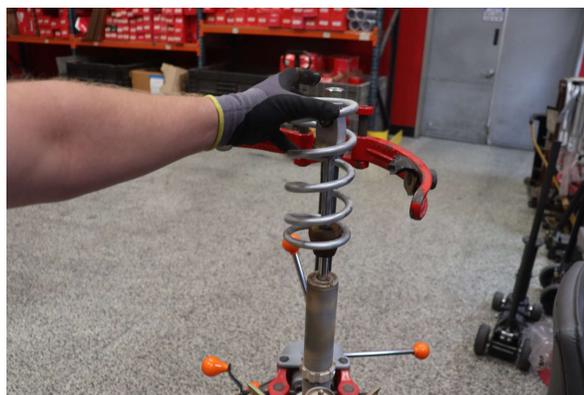
Step 7. Remove the spring retainer.



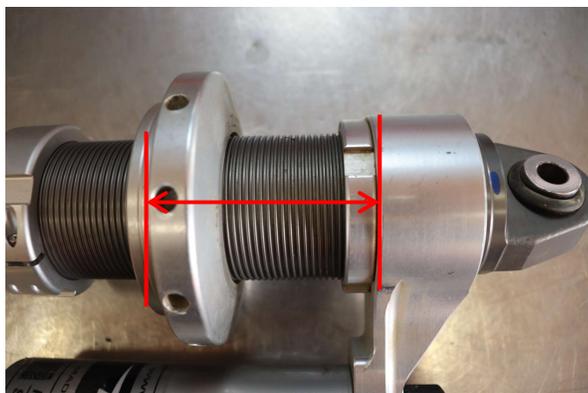
Step 8. Remove OE main spring.



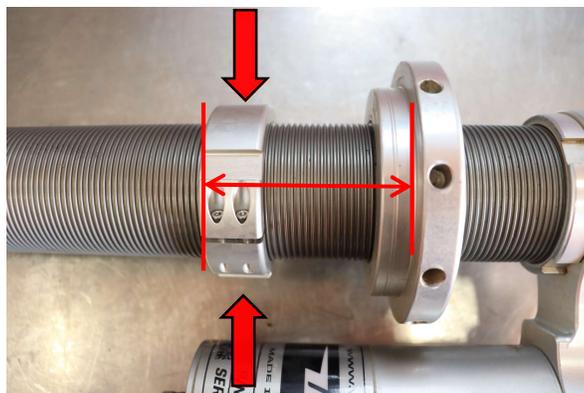
Step 9. Remove spring slider.



Step 10. Remove OE secondary spring.

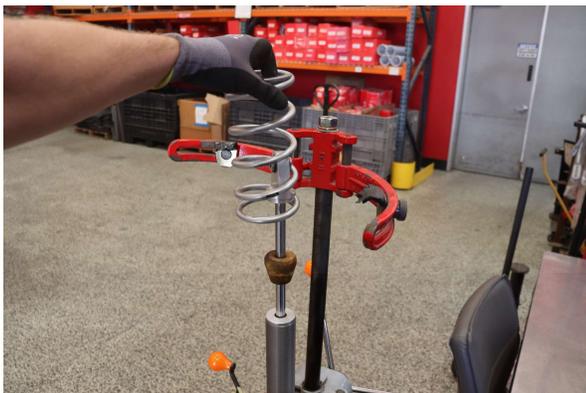


Step 11. Set pre-load of spring seat to **60mm (2 3/8in.)** from bottom of seat to bottom of reservoir bridge.

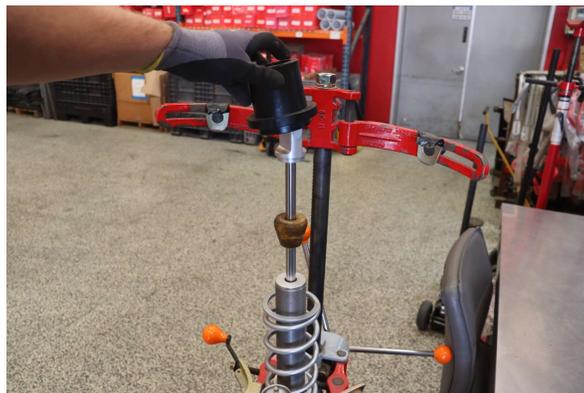


Step 12. **INSTALL 8001224 front crossover ring.** Set crossover ring to **65mm (2 9/16in.)** from bottom of spring seat to bottom of crossover ring.

## FRONT INSTALLATION



Step 13. Install Eibach secondary spring.



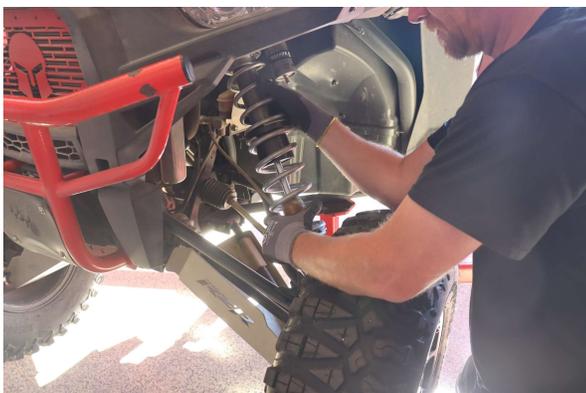
Step 14. Install Eibach spring slider 8001100 with larger face pointed away from secondary spring.



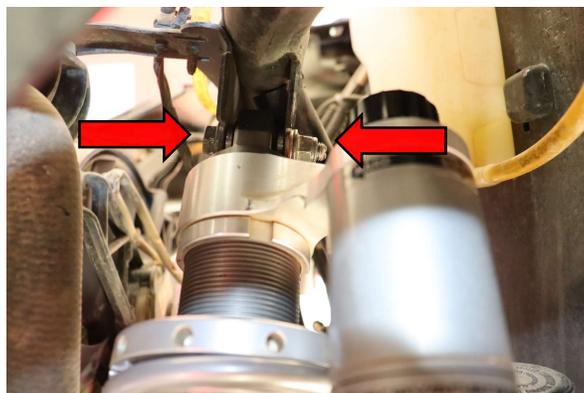
Step 15. Install Eibach main spring.



Step 16. Compress spring assembly enough to install lower spring retainer. Decompress shock and ensure spring and retainer sit flush on lower mount.



Step 17. Install shock in vehicle between upper and lower control arm.



Step 18. Install upper shock bolt and tighten to manufacturer specification using 15mm socket and wrench.

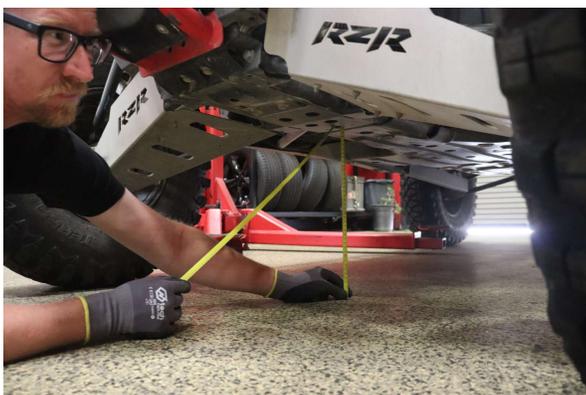
## FRONT INSTALLATION



Step 19. Install lower shock bolt and tighten to manufacturer specification using 15mm socket and wrench.



Step 20. Remove the jack and or strap supporting the axle.



Step 21



Step 21. The recommended preload measurement in **Step 11** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **369mm (14 1/2in.)** measuring from the ground to the center of the front skid plate/ ground clearance. **Note: Measurements were taken from a vehicle with 30 in. tires. If your vehicle has a different size tire, the ride height will need to be adjusted.**

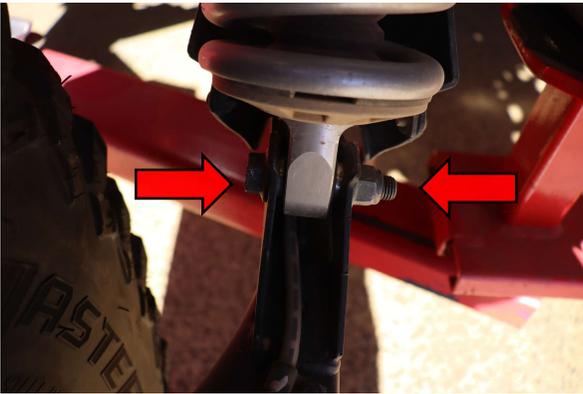
# REAR INSTALLATION



Step 1. Raise the rear of the vehicle and support it with the proper safety equipment.



Step 2. support rear hub/wheel with a jack or strap to prevent axle damage.



Step 3. Remove lower shock nut and bolt using 18mm socket and wrench.



Step 4. Remove upper shock nut and bolt using 18mm socket and wrench.



Step 5. Lift assembly from the bottom to clear the rear trailing arm and remove shock assembly from the vehicle.



Step 6. Use a spring compressor to compress spring assembly. Remove lower spring retainer.

## REAR INSTALLATION



Step 7. Remove lower spring retainer.



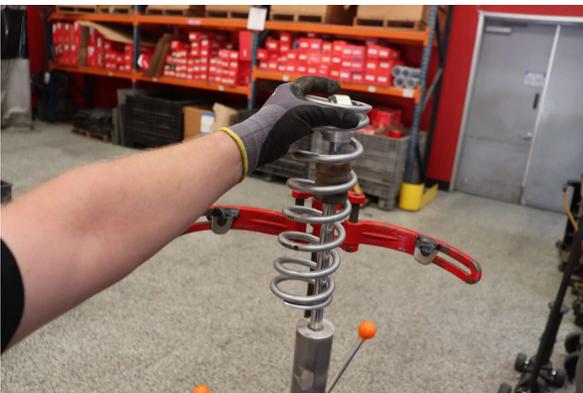
Step 8. Remove rock guard.



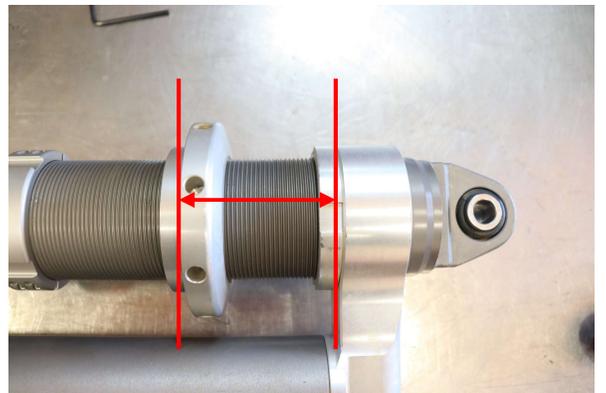
Step 9 Remove OE main spring.



Step 10. Remove OE spring slider.

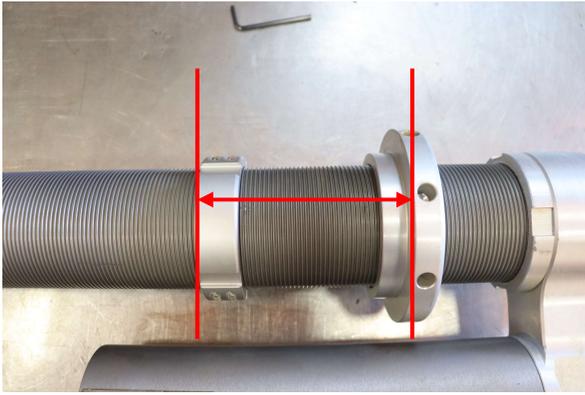


Step 11. Remove OE tender spring.

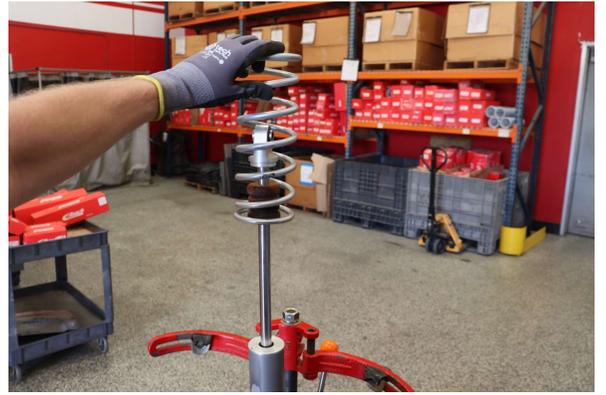


Step 12. Set pre-load to **90mm (3 9/16in.)** from bottom of spring seat to bottom of furthest point on reservoir bridge.

## REAR INSTALLATION



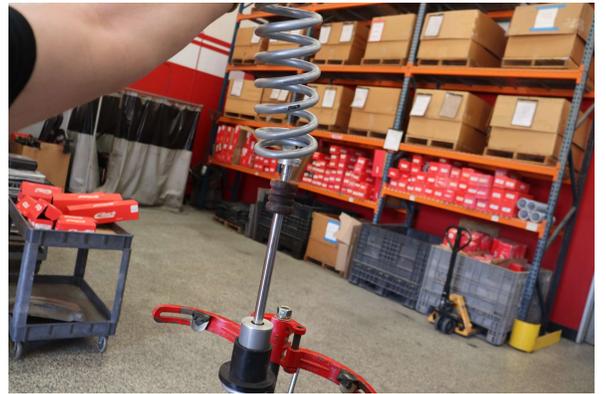
Step 13. Remove OE crossover and **INSTALL** crossover ring 8001063. Set crossover ring to **80mm (3 5/32in.)** from bottom of spring seat to bottom of crossover ring.



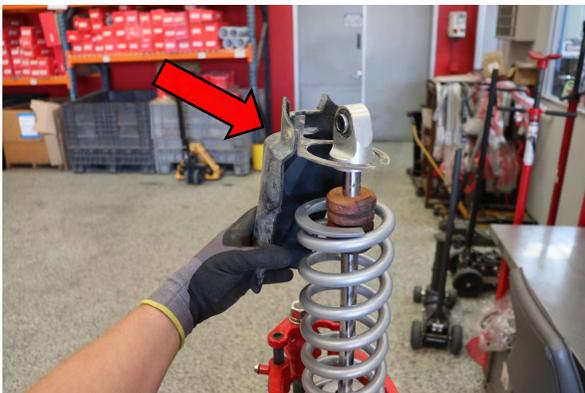
Step 14. Install Eibach secondary spring.



Step 15 Install Eibach spring slider 8001498.



Step 16. Install Eibach main spring.



Step 17. Reinstall OE rock guard.

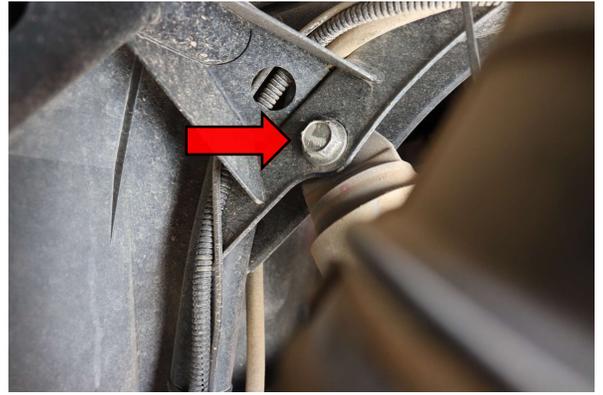


Step 18. Install lower spring retainer. Decompress spring assembly making sure that lower spring retainer and main spring sit flush with lower shock mount.

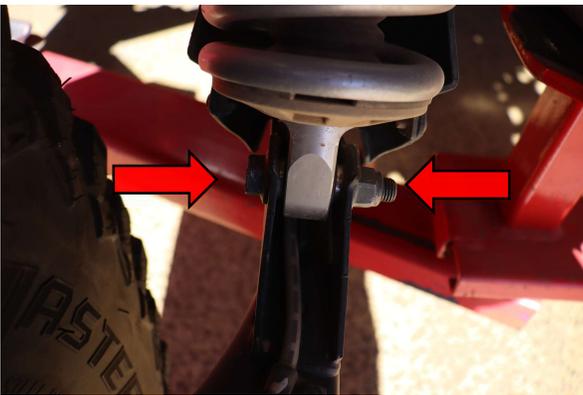
## REAR INSTALLATION



Step 19. Set shock assembly in vehicle by inserting top of assembly through opening in body panels and setting lower shock mount in trailing arm.



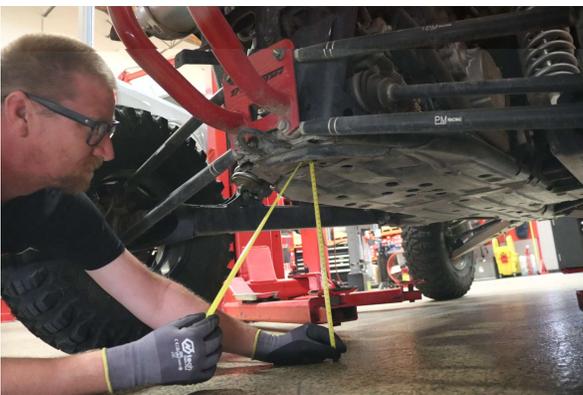
Step 20. Install upper shock mount nut and bolt. Tighten to manufacturer specification using 18mm wrench and socket



Step 21. Install lower shock mount nut and bolt . Use 18mm socket and wrench and tighten to manufacturer specification.



Step 22. Remove the jack and or strap supporting the axle.



Step 23. Measure from the ground to the center of the lower rear skid plate. The recommended preload measurement in **Step 12** will get the vehicle close to the recommended ride height but each vehicle may vary some. As reference, skid plate measurement at recommended preload should be 369mm (14 1/2in.). **Note: Measurements were taken from a vehicle with 30in. Tires. If your vehicle has a different size tire, the ride height will need to be adjusted. Due to the sensitivity of weight of these vehicles, weight distribution may change ride heights, additional pre-load may need to be added to compensate.**

