

# Installation Instructions

Eibach Inc. 264 Mariah Circle Corona, CA 92879  
USA Tech Support 800-507-2338 ext. 114



## PRO-UTV: E85-209-042-01-22

POLARIS RZR PRO R 4 ULTIMATE

### Notes

FOX LIVE VALVE FRONT AND REAR

STAGE 1 (COMFORT)

All measurements were taken from a vehicle with 32" tires.

### Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	1000.375.0250	2
FRONT MAIN SPRING	1200.375.0300	2
REAR SECONDARY SPRING	1200.375.0150	2
REAR MAIN SPRING	1800.375.0350	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.

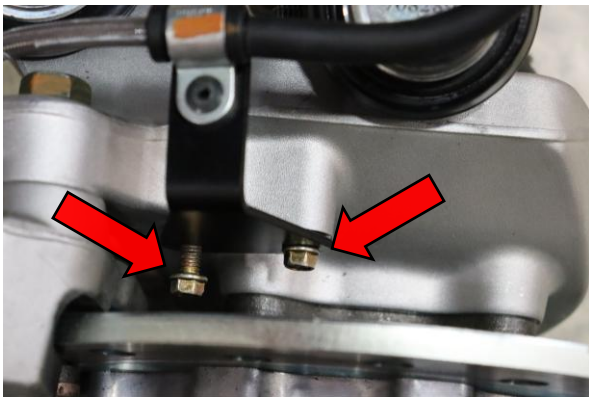
# FRONT INSTALLATION



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. Use a 19mm to remove both front wheels.



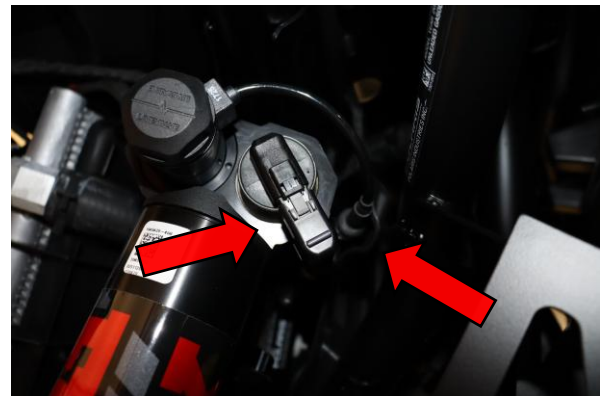
Step 3. Use an 8mm to remove the two brake line bracket bolts.



Step 4. Use a 15mm to remove the upper ball joint bolt.



Step 5. Carefully release the upper control arm from the top of the spindle.



Step 6. Disconnect both the compression and rebound electrical connectors.

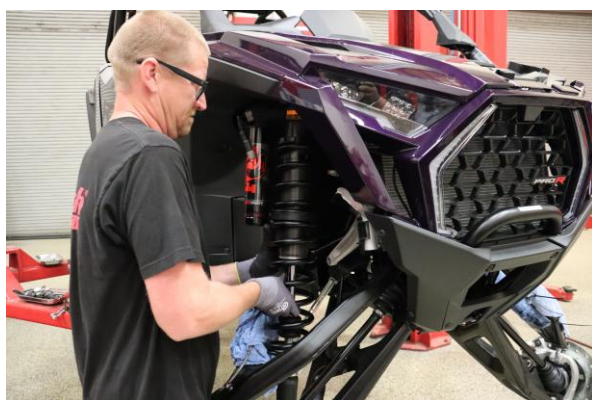
## FRONT INSTALLATION



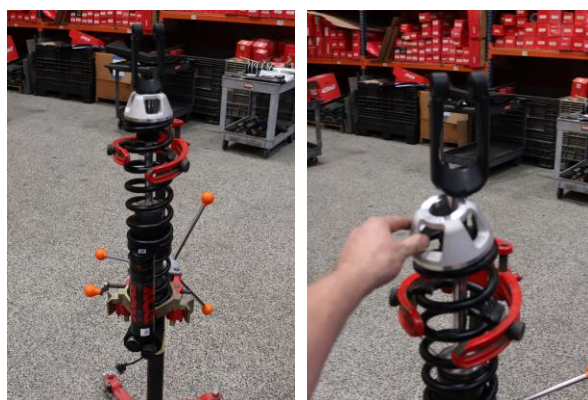
Step 7. Use two 21mm to remove the upper shock mounting nut and bolt.



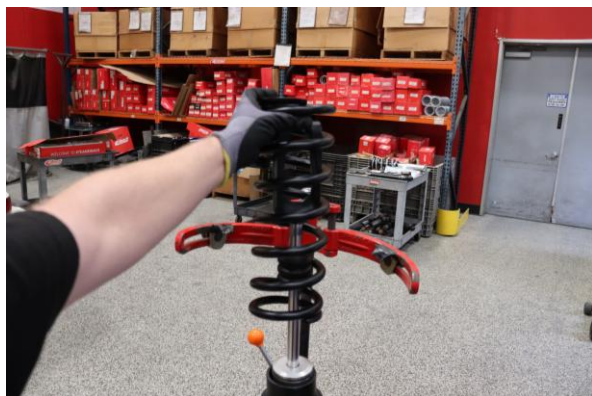
Step 8. Use two 21mm to remove the lower shock mount nut and bolt.



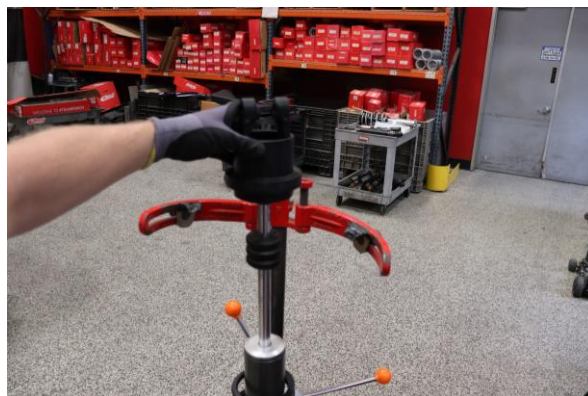
Step 9. Remove the shock assembly from the vehicle.



Step 10. Use a spring compressor to compress the spring assembly. Remove the lower spring perch.

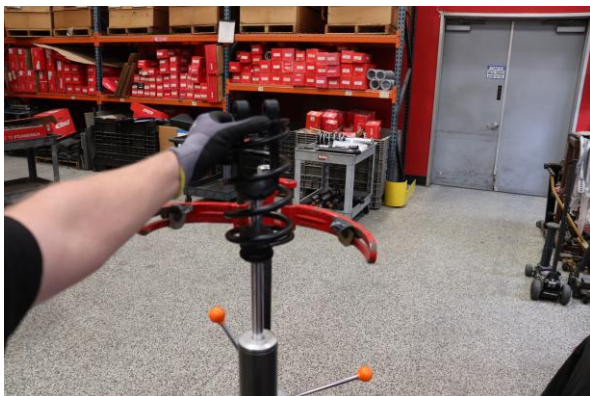


Step 11. Remove the OE front main spring.



Step 12. Remove the OE spring slider.

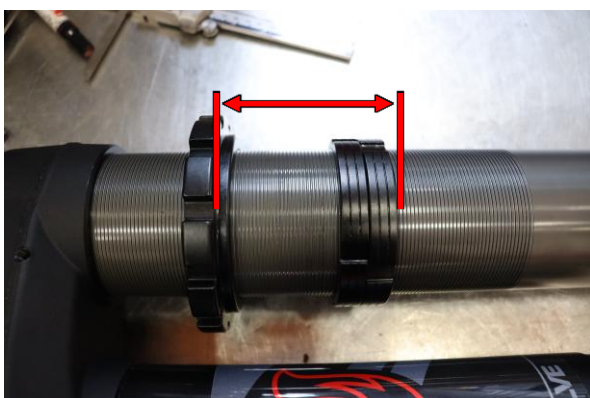
# FRONT INSTALLATION



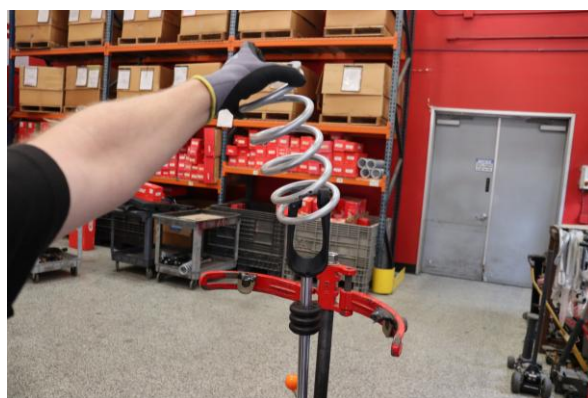
Step 13. Remove the OE front secondary spring.



Step 14. Set pre-load of spring seat to **80mm (3 3/16in.)** from bottom of seat to bottom of reservoir bridge.



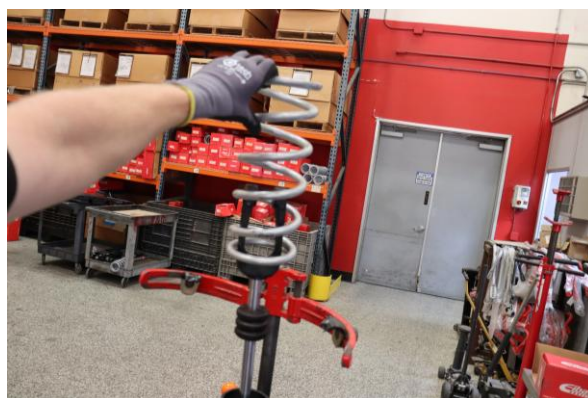
Step 15. Set crossover ring to **85mm (3 3/8in.)** from bottom of spring seat to bottom of crossover ring.



Step 16. Install the Eibach front secondary spring.



Step 17. Install the OE spring slider with the larger end facing away from the secondary spring.



Step 18. Install the Eibach front main spring.

## FRONT INSTALLATION



Step 19. Compress the spring assembly and install the lower spring perch. Decompress the spring assembly making sure that the lower spring perch fully engages with the lower shock mount.



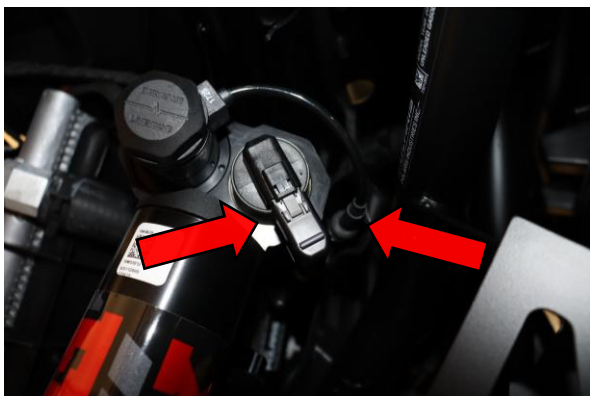
Step 20. Install the shock assembly in the vehicle.



Step 21. Use two 21mm to install the lower shock nut and bolt. Tighten to manufacturer specification.



Step 22. Use two 21mm to install the upper shock mount nut and bolt. Tighten to manufacturer specification.



Step 23. Reinstall both the compression and rebound electrical connectors.

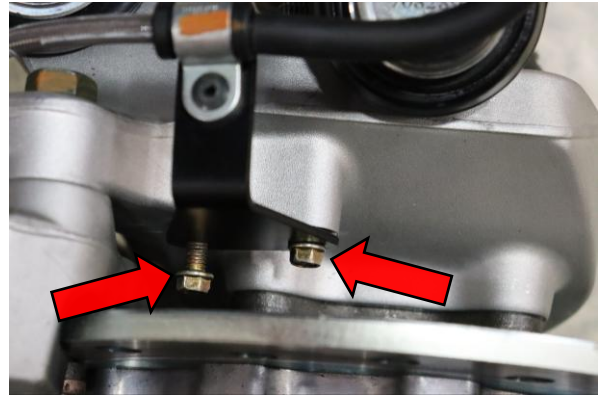


Step 23. Reinstall the upper control arm into the spindle ensuring that the ball joint is fully seated.

## FRONT INSTALLATION



Step 24. Use a 15mm to install and tighten the upper ball joint bolt to manufacturer specifications.



Step 25. Use an 8mm to install and tighten both brake line bracket bolts to manufacturer specification.



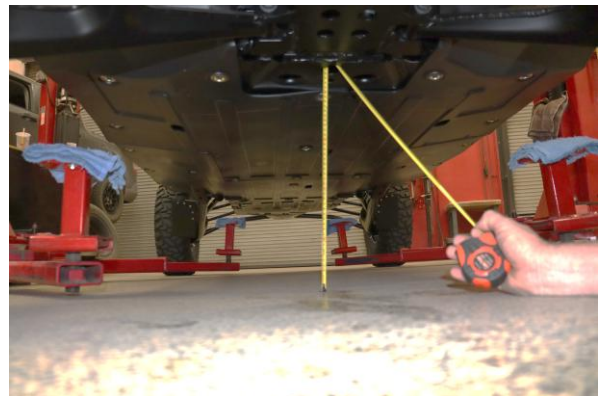
Step 26. Use a 19mm to install and tighten the front wheels and tires to manufacturer specifications.



Step 27. Lower the vehicle and carefully test drive while listening for any abnormal noises.



Step 28. Measure from the ground to the center of the skid plate between the rear mount of the front lower control arms. The recommended preload measurement in **Step 14** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **407mm (16in.)** measuring from the ground to the center of the front skid plate/ ground clearance. **Note: Measurements were taken from a vehicle with 32in. 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.**



# REAR INSTALLATION



Step 1. Raise the rear of the vehicle and support it with the proper safety equipment. Remove wheel and tire. Secure trailing arm to frame using strap. **Note:** Never work on or under a vehicle that is not supported by the proper safety equipment.



Step 2. Support the weight of the wheel and tire to prevent damage to the axle from overextension.



Step 3. Use two 21mm to remove the lower shock mount nut and bolt.



Step 4. Use two 21mm to remove the upper shock mount nut and bolt.

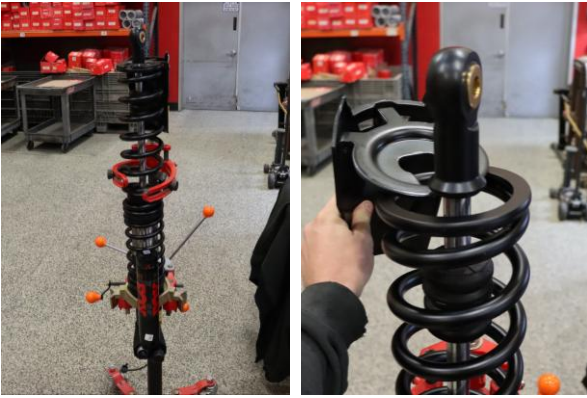


Step 5. Disconnect both compression and rebound electrical connectors.

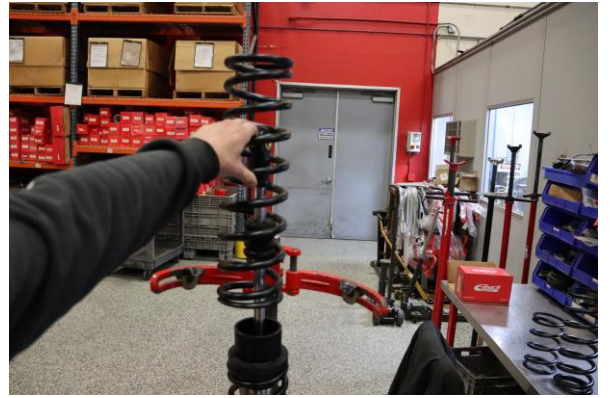


Step 6. Remove the shock assembly from the vehicle.

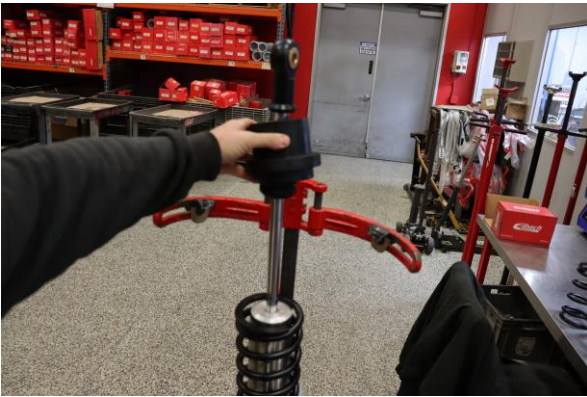
# REAR INSTALLATION



Step 7. Use a spring compressor to compress the spring assembly. Remove the lower spring perch.



Step 8. Decompress the spring assembly. Remove the OE rear main spring.



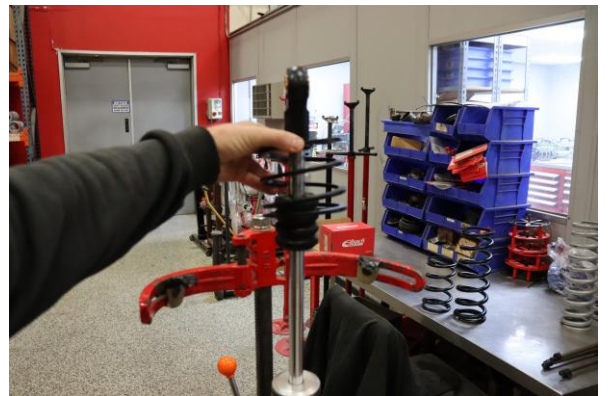
Step 9. Remove the OE rear spring slider.



Step 10. Remove the OE rear secondary spring.

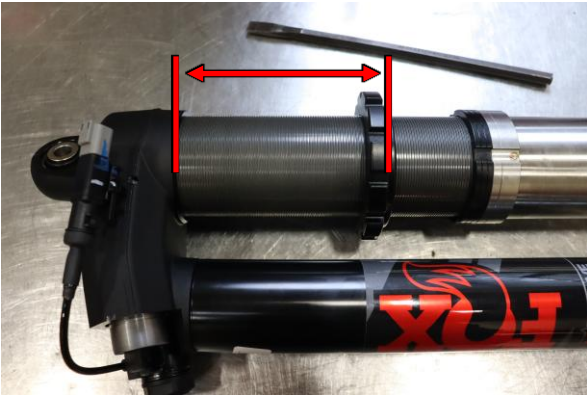


Step 11. Remove the second OE rear spring slider.



Step 12. Remove the OE rear third spring.

## REAR INSTALLATION



Step 13. Set pre-load of spring seat to **165mm (6 1/2in.)** from bottom of seat to bottom of reservoir bridge.



Step 14. Set crossover ring to **110mm (4 5/16in.)** from bottom of spring seat to bottom of crossover ring.



Step 15. Install the Eibach rear secondary spring.



Step 16. Install the OE rear spring slider.

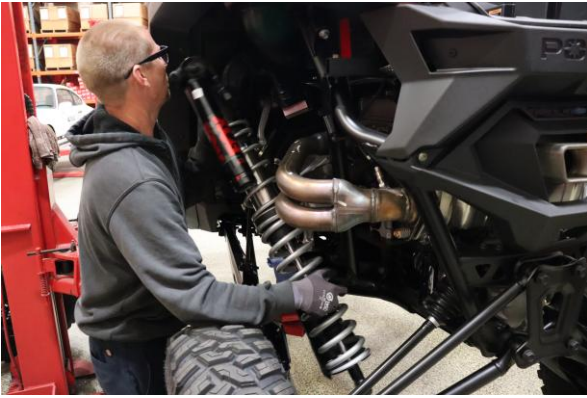


Step 17. Install the Eibach rear main spring.



Step 18. Compress the spring assembly and install the lower spring perch. Decompress the spring assembly making sure that the lower spring perch seats fully against the lower shock mount.

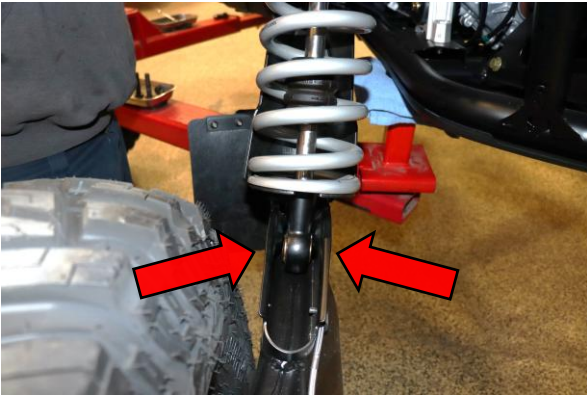
## REAR INSTALLATION



Step 19. Install the shock assembly in the vehicle.



Step 20. Use two 21mm to install the upper shock mount bolt. Tighten to manufacturer specification.



Step 21. Use two 21mm to install the lower shock mount nut and bolt. Tighten to manufacturer specification.



Step 21. Reconnect both compression and rebound electrical connectors.



Step 22. Lower the vehicle and carefully test drive while listening for any abnormal noises. Measure from the ground to the center of the skid plate between the rear mount of the front lower control arms. The recommended preload measurement in **Step 13** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **407mm (16in.)** measuring from the ground to the center of the front skid plate/ ground clearance. **Note: Measurements were taken from a vehicle with 32in. 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.**

