Installation Instructions

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

PRO-UTV: E85-209-023-02-22

POLARIS RZR XP 4 TURBO S DYNAMIX

Notes

Stage 2 performance kit

Fits vehicles equipped with Fox Live Valve shocks

Ride heights based off a 32” tire.

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0300S	2
FRONT MAIN SPRING	1200.300.0350S	2
REAR SECONDARY SPRING	1200.375.0200S	2
REAR MAIN SPRING	1800.375.0300S	2
FRONT CROSSOVER RING	8001104	4
FRONT SLIDER	8001064	2
REAR CROSSOVER RING	8001413	2
REAR SLIDER	8001105	2
REAR ADAPTER	ADAPTER350-375.0	4

Installation Notes

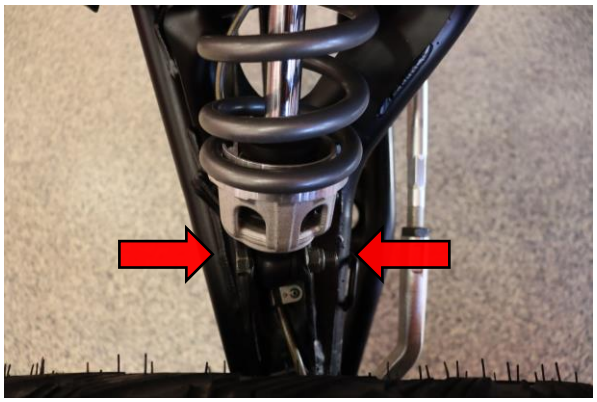
Read all instructions before beginning installation

- 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

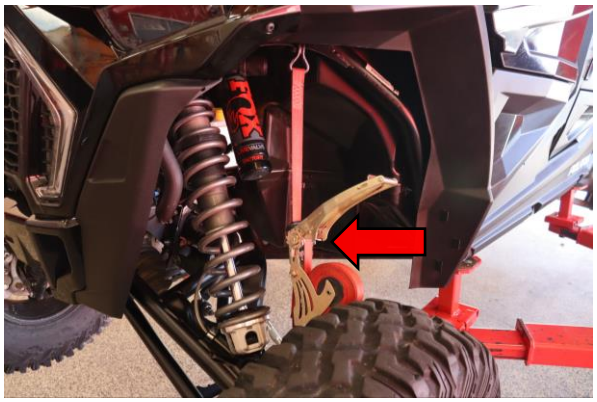
Step 1. Raise the front of the vehicle and support it with the proper safety equipment. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**

Step 2. Disconnect the shock electrical connector



Step 3. Remove the lower shock mount nut using two 18mm. Leave bolt in place for now.

Step 4. Remove the upper shock mount nut using two 18MM. Leave the bolt in place for now.



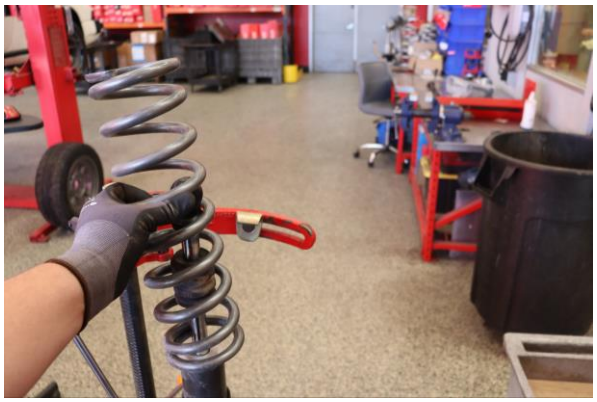
Step 5. Use a strap between the upper control arm and the frame to prevent damage to the axle from over extension.

Step 6. Slightly lift on the tire and pull out both the upper and lower shock mounting bolts. Remove the shock assembly from the vehicle.

FRONT INSTALLATION


Step 7. Use a spring compressor to compress the shock assembly. Push the lower bump stop down enough that the lower spring retainer can clear the lower shock mount. **Note: The bump stop may not move easily and could need the use of pry bars to move down the shock shaft. Be careful to not mar the shock shaft.**

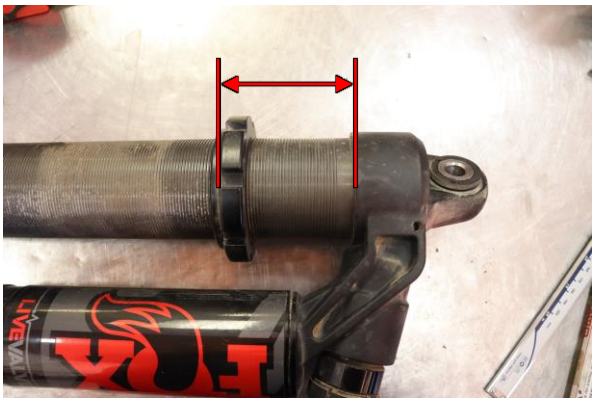
Step 8. Remove the lower spring perch.



Step 9. Slowly decompress the spring assembly. Remove the OE front main spring.

Step 10. Remove the OE spring slider.

Step 11. Remove the OE secondary spring.



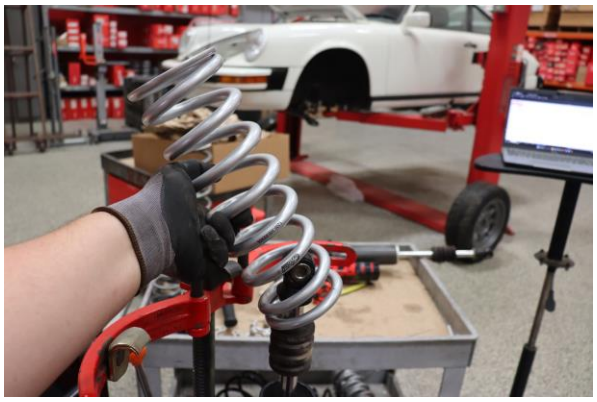
Step 12. Adjust the upper spring perch to **55mm (2 3/16")** measuring from the spring seat to the bottom of the bridge collar to set spring preload.

FRONT INSTALLATION

Step 13. Install the Eibach crossover rings. Adjust rings to be **60mm (2 3/8")** from the bottom of the rings to the spring seat.

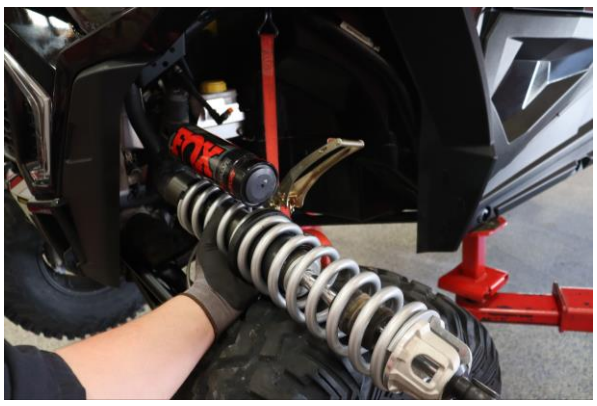
Step 14. Install the Eibach secondary spring.

Step 15. Install the Eibach spring slider with the larger end facing away from the secondary spring.



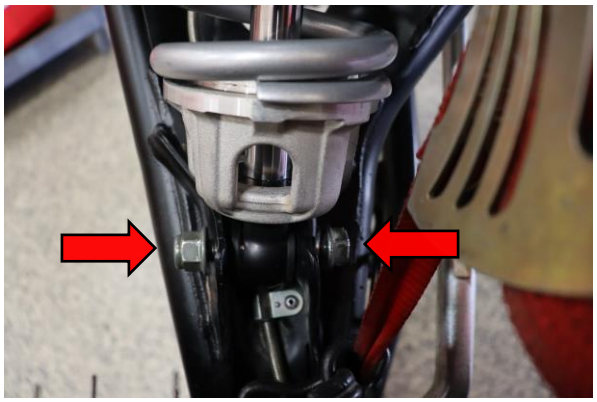
Step 16. Install the Eibach main spring.

Step 17. Use a spring compressor to compress the shock assembly. Install the lower spring perch. Slowly decompress the shock assembly making sure that the lower spring perch fully seats against the lower shock mount.

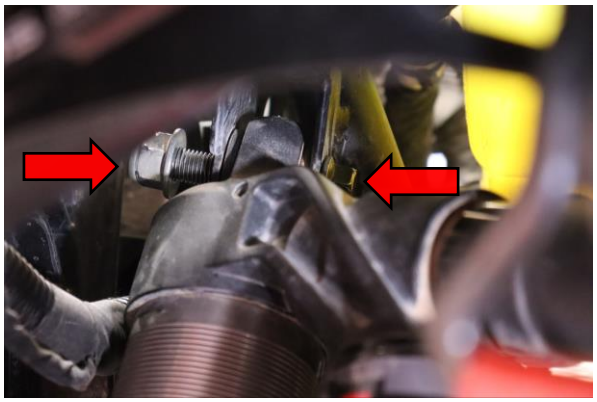


Step 18. Place the shock assembly in the vehicle and begin to mount using the upper shock mounting bolt. Lift slightly on the tire and install the lower shock mounting bolt.

FRONT INSTALLATION

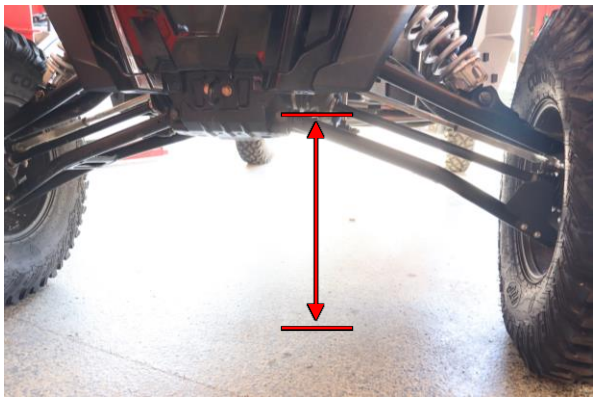


Step 19. Install the lower shock mount nut and tighten using two 18mm to manufacturer specification of **70 ft-lbs (95Nm).**



Step 20. Install the upper shock mount ut and tighten using two 18mm to manufacturer specification of **70 ft-lbs (95Nm).**

Step 21. Connect the shock electrical connector. Remove the strap installed in **step 5.**



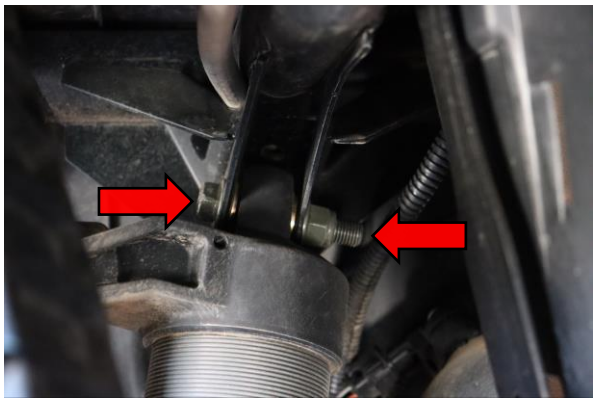
Step 22. Lower the vehicle and drive a short distance to allow suspension to settle to a consistent ride height. Measure from the ground to the center of the front lower control arm bolt. The recommended preload measurement in **Step 12** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **480mm (18 7/8")** measuring from the ground to the center of the lower control arm bolt. Due to sensitivity of weight on UTV's, some adjustment of preload may be needed to achieve desired ride height.

Note: Skid plate height should be approximately 16" measured from a flat portion front and rear (with the OE 32" tire). If you have larger than stock wheels and tires, the ride height will be increased.

REAR INSTALLATION

Step 1. Raise the rear 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.**

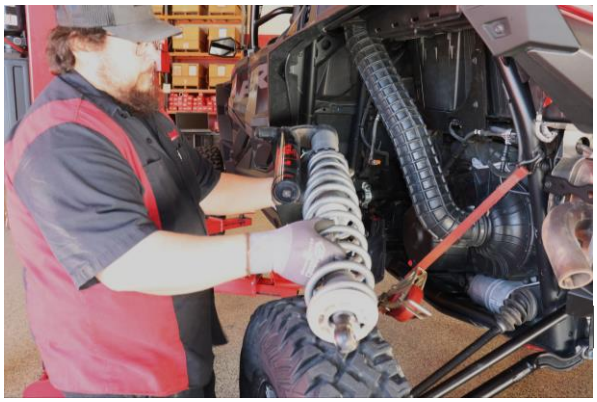
Step 2. Use two 18mm to remove the lower shock mount nut. Leave the bolt in place for now.



Step 3. Remove the upper shock mount nut. Leave the bolt in place for now.

Step 4. Remove the shock electrical connector.

Step 5. Use a strap between the control arm and the frame to limit droop and prevent damage to the axle from over extension.

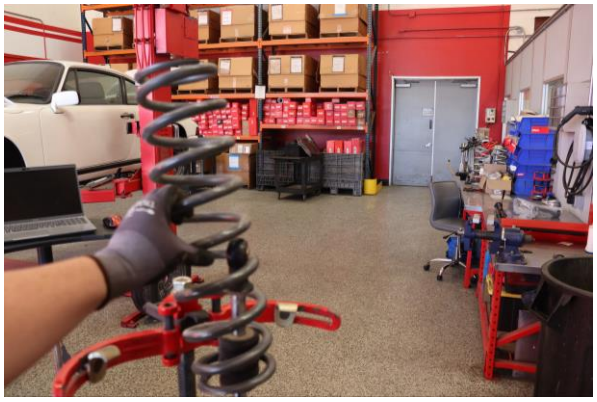


Step 6. Slightly lift on the tire to remove the upper and lower shock mount bolts. Carefully remove the shock assembly from the vehicle.

REAR INSTALLATION

Step 7. Use a spring compressor to compress the shock assembly. Push the lower bump stop down enough that the lower spring retainer can clear the lower shock mount. **Note: The bump stop may not move easily and could need the use of pry bars to move down the shock shaft. Be careful to not mar the shock shaft.**

Step 8. Remove the lower spring perch.



Step 9. Remove the OE main spring.

Step 10. Remove the first OE spring slider.

Step 11. Remove the OE secondary spring.

Step 12. Install supplied crossover rings.

REAR INSTALLATION

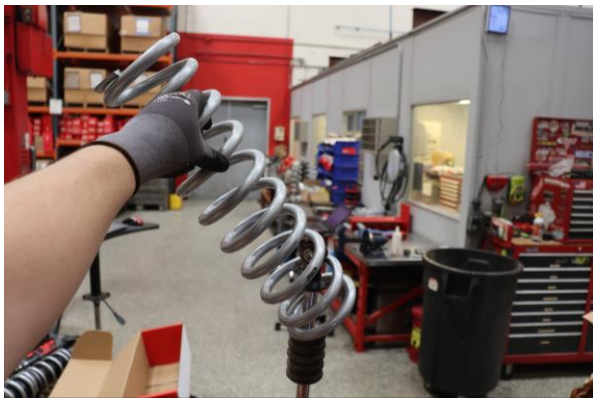
Step 13. Set pre-load to **50mm (2”)** from bottom of spring seat to bottom of reservoir bridge collar.

Step 14. Adjust the Eibach supplied crossover ring to **100mm (3 15/16”)** from bottom of spring seat to bottom of crossover ring.

Step 15. Install the supplied Eibach spring adapter on the upper spring perch.

Step 16. Install the Eibach secondary spring.

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



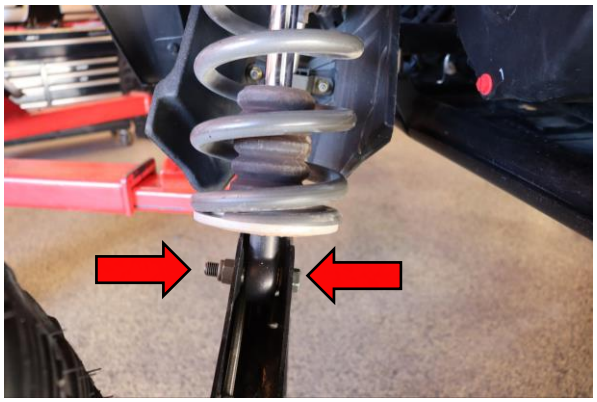
Step 18. Install the Eibach main spring.

REAR INSTALLATION

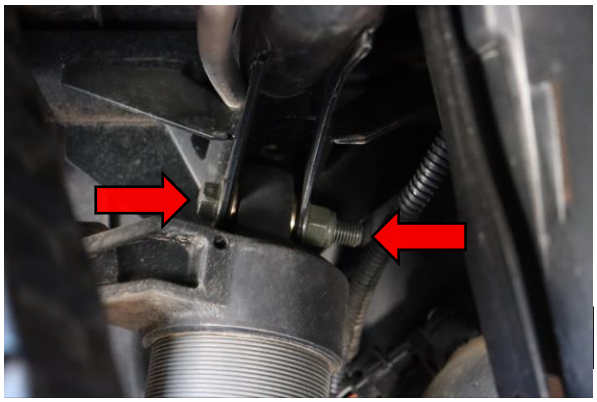
Step 19. Install the supplied Eibach spring adapter on the main spring.

Step 20. Use a spring compressor to compress the spring assembly. Install the lower spring perch. Slowly decompress the shock assembly making sure that the lower spring perch full seats against the lower shock mount.

Step 21. Install the shock assembly into the vehicle.



Step 22. Install the lower shock nut and bolt using two 18mm. Tighten to manufacturer specification of **70 ft-lbs (95Nm).**

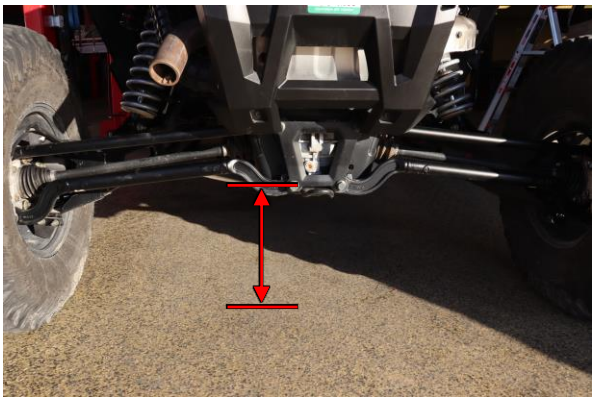


Step 23. Lift slightly on the tire and install the upper shock nut and bolt using two 18mm. Tighten to manufacturer specification of **70 ft-lbs (95Nm).**

Step 24. Reconnect the shock electrical connector.

REAR INSTALLATION

Step 25. Remove the strap installed in step 5.



Step 26. Lower the vehicle and drive a short distance to allow suspension to settle to a consistent ride height. Measure from the ground to the center of the rear lower control arm bolt. 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 **460mm (18 1/8")** measuring from the ground to the center of the lower control arm bolt. Due to sensitivity of weight on UTV's, some adjustment of preload may be needed to achieve desired ride height.

Note: Skid plate height should be approximately 16" measured from a flat portion front and rear (with the OE 32" tire). If you have larger than stock wheels and tires, the ride height will be increased.