Installation Instructions

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

PRO-UTV: E85-209-035-02-22

24+ RZR XP 1000

Notes

Stage 2 kit.

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0200S	2
FRONT MAIN SPRING	1000.300.0250S	2
REAR SECONDARY SPRING	1000.300.0200S	2
REAR MAIN SPRING	1800.300.0300S	2
FRONT CROSSOVER RING	8001224	2
REAR CROSSOVER RING	8001063	2
FRONT SPRING SLIDER	8001100	2
REAR SPRING SLIDER	8001498	2

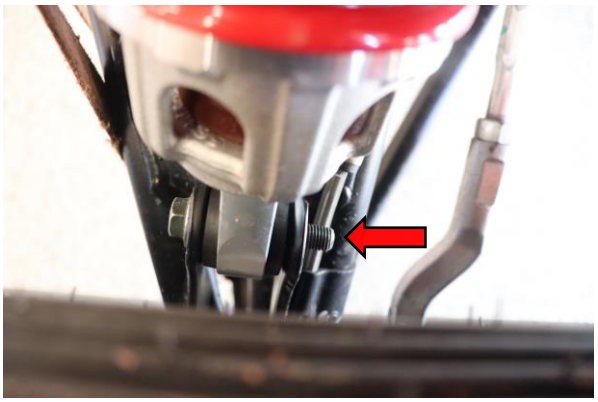
Installation Notes

Read all instructions before beginning installation

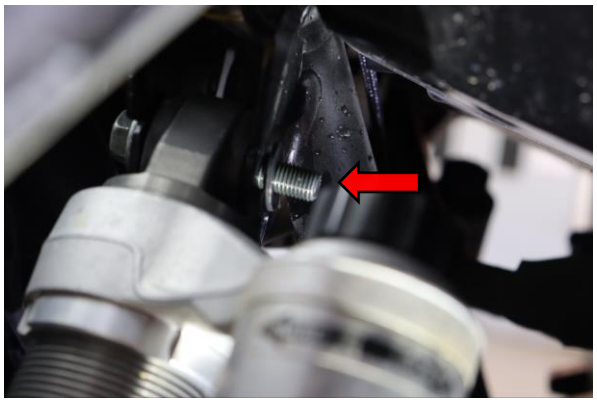
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by 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.**

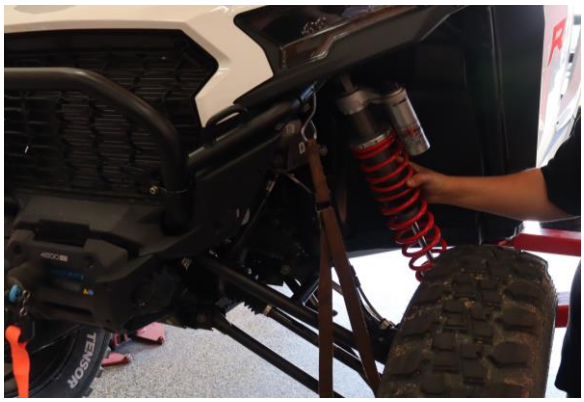


Step 2. Remove lower shock mount nut using two 15mm.



Step 3. Remove upper shock mount nut using two 15mm.

Step 4. Use a strap between the lower control arm and the frame to prevent damage to the axle from over extension.



Step 5. Lift slightly on the wheel and tire to remove the lower shock mounting bolt. Allow the lower control arm to rest against the strap. Remove the upper shock mounting bolt. Rotate shock out of upper and lower mounts and remove from the vehicle.

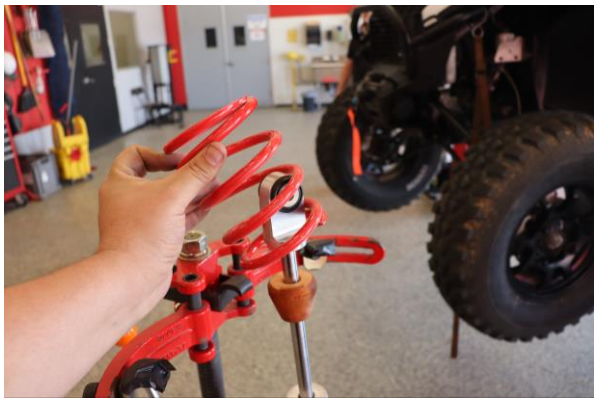
Step 6. Use a spring compressor to compress the shock assembly. Push the lower bump stop down enough that the lower spring retainer can clear the lower shock mount. **Note: The bump stop may not move easily and could need the use of pry bars to move down the shock shaft. Be careful to not mar the shock shaft.**

FRONT INSTALLATION

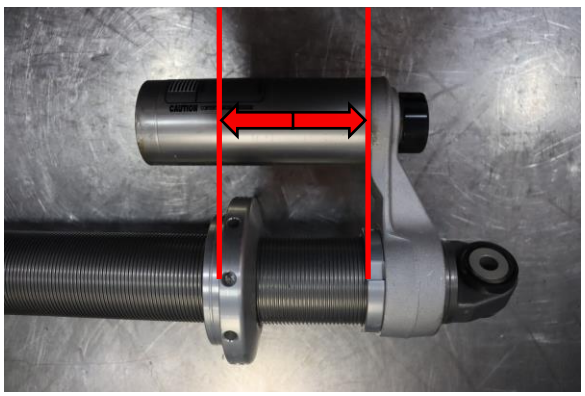
Step 7. Remove the lower spring perch. Decompress the spring assembly.

Step 8. Remove the OE main spring.

Step 9. Remove the OE spring slider.



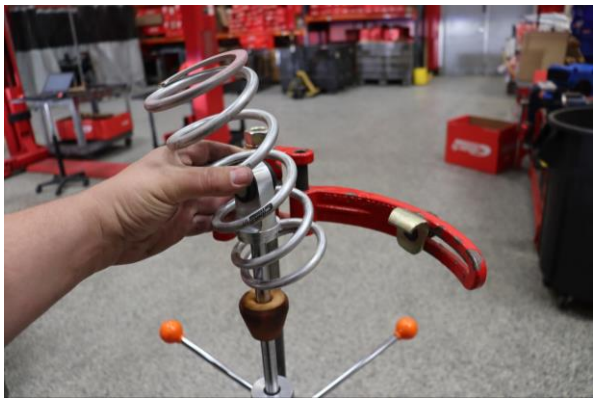
Step 10. Remove the OE tender spring



Step 11. Adjust the upper spring perch to **75mm (2 15/16in)** measuring from the spring seat to the bottom of the bridge collar to set spring preload.

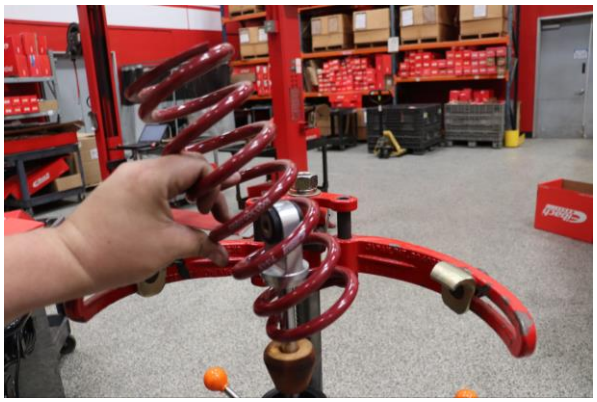
Step 12. Install Eibach crossover ring and adjust until it contacts the upper spring perch. The crossover ring is inactive in this install.

FRONT INSTALLATION



Step 13. Install Eibach front tender spring.

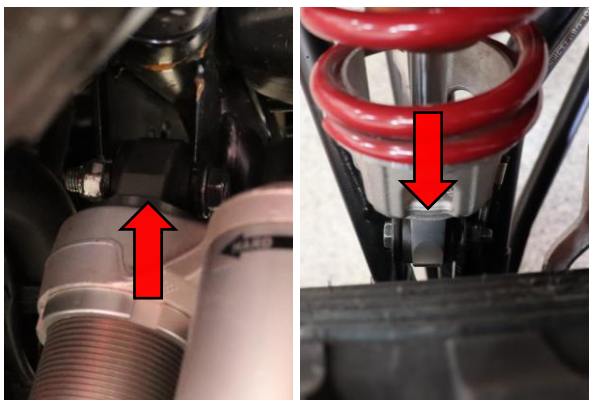
Step 14. Install Eibach front spring slider with the short end facing the top of the shock.



Step 15. Install Eibach main spring. Compress the spring assembly.

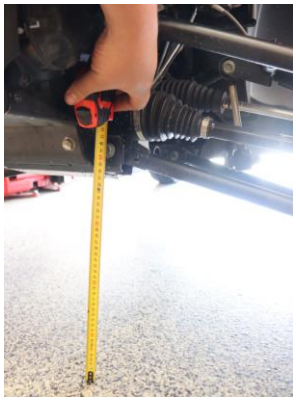
Step 16. Install OE lower spring perch. Decompress assembly and ensure lower spring perch engages lower shock mount fully.

Step 17. Install shock assembly in the vehicle.



Step 18. Install upper shock mount nut and bolt loosely. Slightly lift on wheel and rotate lower shock into place. Install lower shock mount nut and bolt. Use two 15mm to tighten upper and lower shock mount nut and bolts to manufacturer specification.

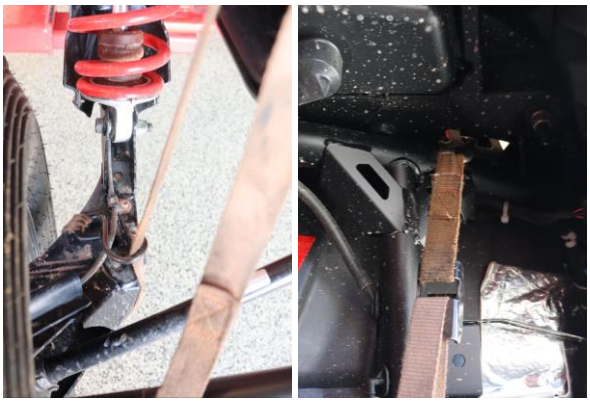
Step 19. Remove the strap installed on **step 4**.



Step 20. 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 11** will get the vehicle close to the recommended ride height but each vehicle may vary some. As reference, shock eye to eye measurement at recommended preload should be 550**mm (21 21/32in.)**. We recommend setting the ride height at **414mm (16 5/16in.)** 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: If you have larger than stock wheels and tires, the ride height will be increased.**

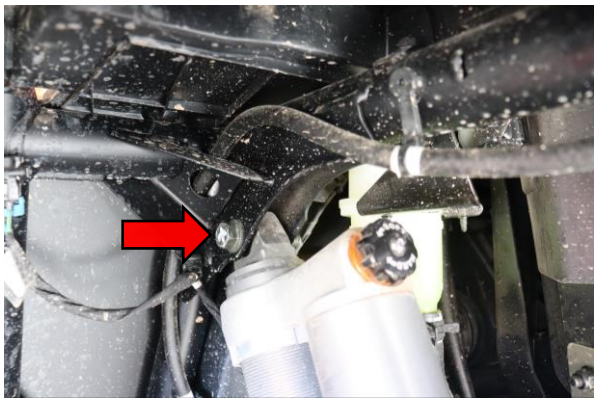
REAR INSTALLATION

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.**



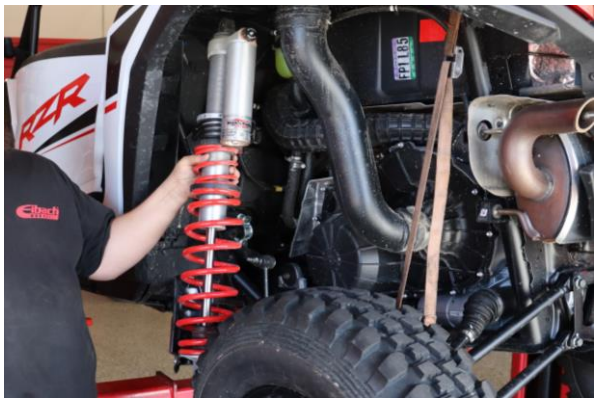
Step 2. Install a strap from the lower control arm to the frame to prevent damage to the axle from over extension during installation.

Step 3. Remove the lower shock mounting nut using two 18mm. Lift the tire slightly to remove the lower shock bolt. Allow the control arm to rest against the strap installed in **step 2**.



Step 4. Remove the upper shock mount nut and bolt using two 18mm.

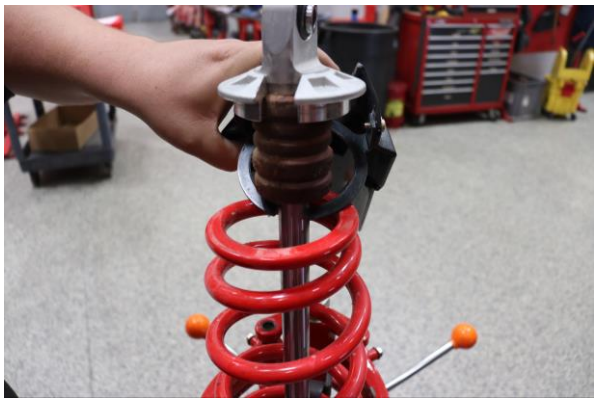
Step 5. Rotate the top of the shock assembly back and away from mounting point.



Step 6. Lift the shock assembly up and out of the lower mount. Remove the shock assembly from the vehicle.

REAR INSTALLATION

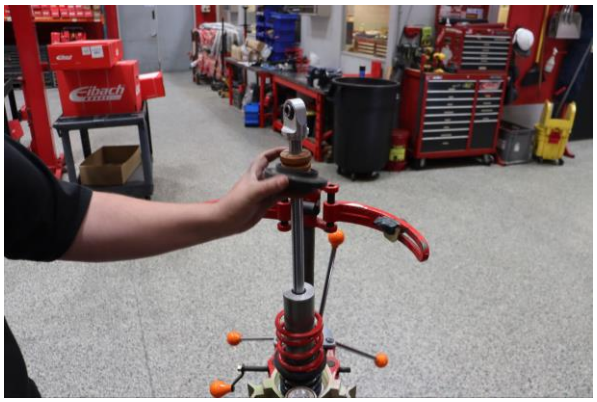
Step 7. Use a pry bar to move the bump stop down the shock shaft. Use a spring compressor to compress the shock assembly enough that the spring retainer can clear the lower shock mount. **Note: Be careful to not mar the shock shaft when moving the bump stop.**



Step 8. Remove the OE plastic shield.

Step 9. Remove the lower spring perch. Decompress the spring assembly.

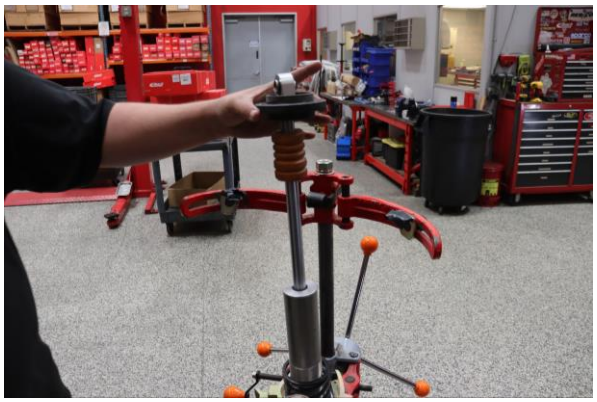
Step 10. Remove the OE main spring.



Step 11. Remove the first OE spring slider.

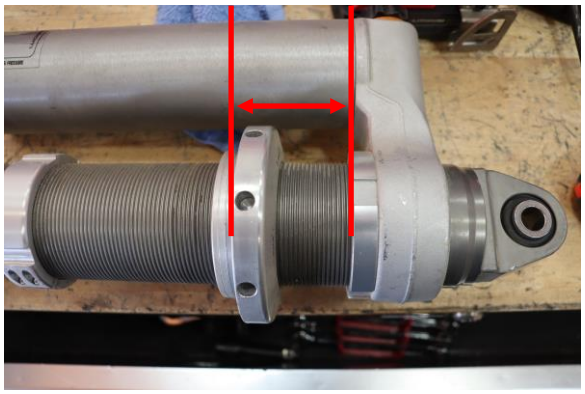
Step 12. Remove the first OE tender spring.

REAR INSTALLATION

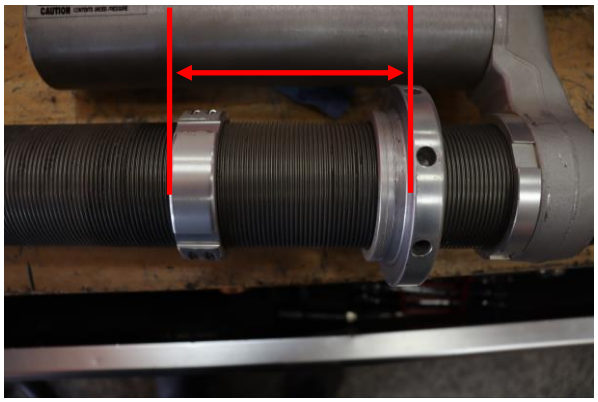


Step 13. Remove the second OE spring slider.

Step 14. Remove the second OE tender spring.



Step 15. Set pre-load to **50mm (1 31/32in.)** from bottom of spring seat to bottom of reservoir bridge collar.



Step 16. Install the Eibach crossover ring and set to **100mm (3 15/16in.)** from bottom of spring seat to bottom of crossover ring.

Step 17. Install Eibach tender spring.

Step 18. Install Eibach spring slider with the short end facing the top of the shock.

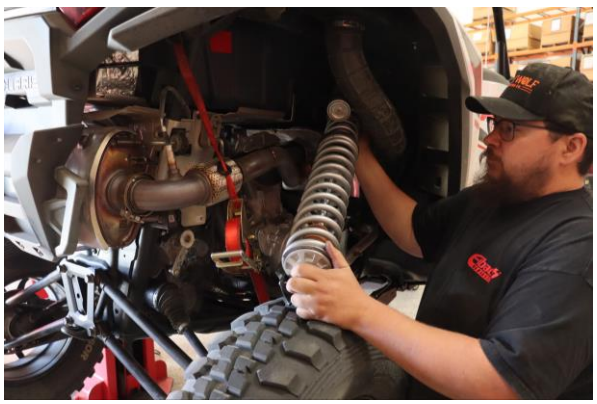
REAR INSTALLATION

Step 19. Install Eibach main spring.

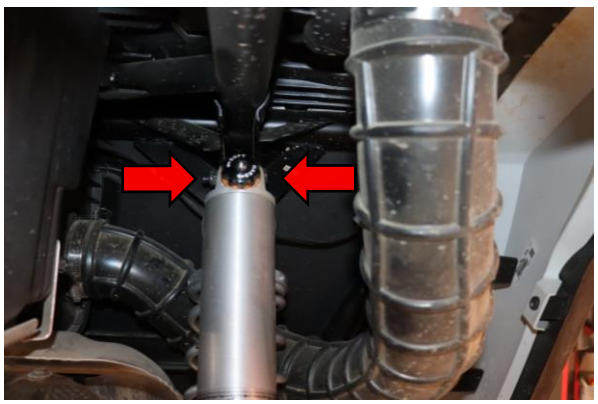
Step 20. Compress the spring assembly. Install the OE plastic shield facing away from the reservoir on the top of the assembly.

Step 21. Install the OE lower spring perch.

Step 22. Decompress the shock assembly ensuring the lower spring perch fully engages the lower shock mount and the plastic shield faces away from the shock reservoir.

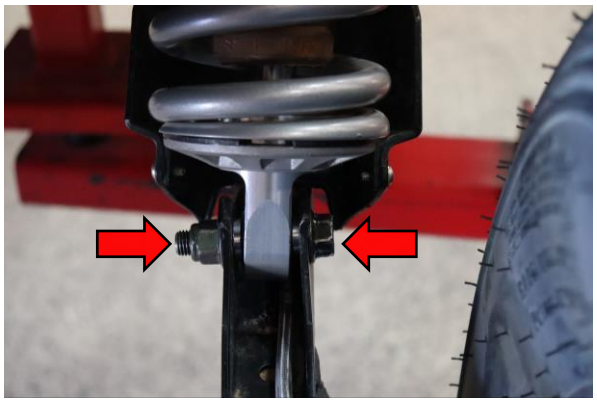


Step 23. Set the shock assembly in the vehicle.

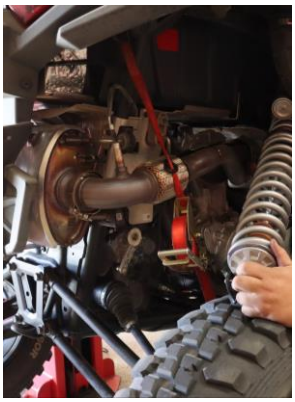


Step 24. Install the upper shock mount nut and bolt. Use two 18mm to tighten to manufacturer specification.

REAR INSTALLATION



Step 25. Lift slightly on the tire to align and install the lower shock mount nut and bolt. Use two 18mm to tighten to manufacturer specification.



Step 26. Remove the strap installed in **step 2** and lower the vehicle.

Step 20. 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 15** will get the vehicle close to the recommended ride height but each vehicle may vary some. As reference, shock eye to eye measurement at recommended preload should be **803mm (31 5/8in.)**. We recommend setting the ride height at **442mm (17 13/32in.)** 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: If you have larger than stock wheels and tires, the ride height will be increased.**

Eibach recommended compression settings

Front: 9 clicks out from fully closed

Rear: fully open