Installation Instructions

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USA Tech Support 800-507-2338 ext. 114

PRO-UTV: E85-212-015-03-22

CAN AM MAVERICK R MAX X RS 4-SEATER

Notes

EQUIPPED WITH FOX SHOCKS

Stage 3 (EXTRA LOAD) 150-200 LBS

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0350S	2
FRONT MAIN SPRING	1800.300.0400S	2
REAR SECONDARY SPRING	1200.375.0250S	2
REAR MAIN SPRING	2000.375.0400S	2

Installation Notes

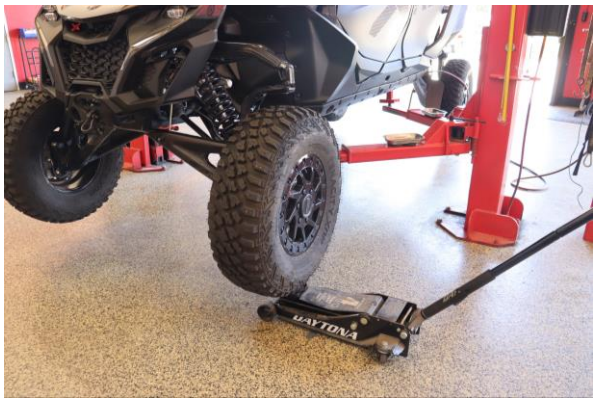
Read all instructions before beginning installation

- 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.

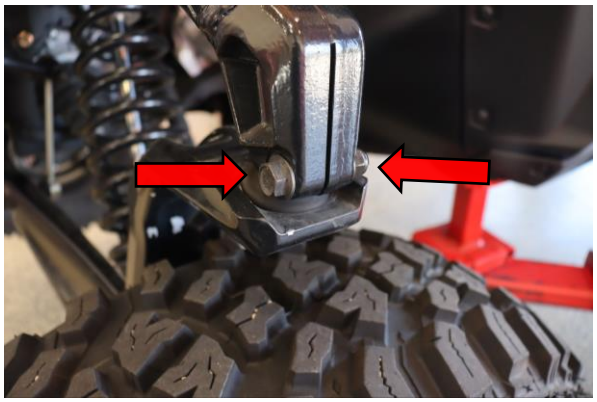
FRONT INSTALLATION

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.**

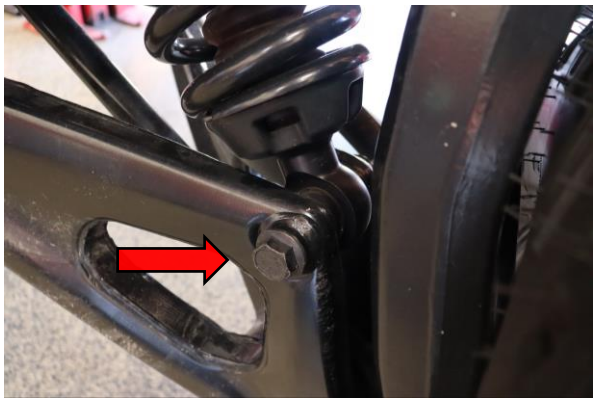
Step 2. Remove upper cover to access upper shock bolts.



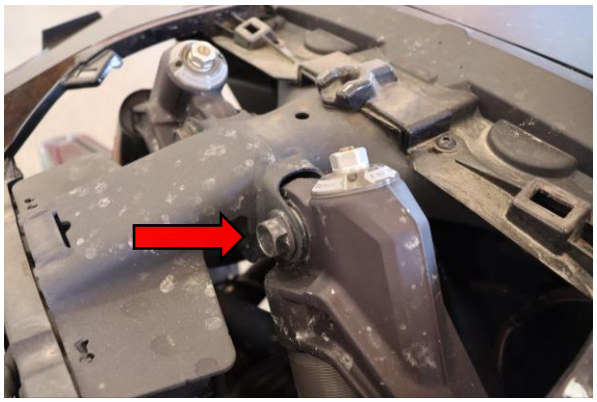
Step 3. Secure the spindle to the frame to prevent damage to the axle CV joints.



Step 4. Remove 15mm bolt and nut at upper control arm ball joint. WARNING Upper control arm has bushing preload and/will jump up from ball joint keep pressure downward on arm while removing bolt.



Step 5. Remove 21mm lower shock nut and bolt. (This bolt from the manufacturer has a yellow Loctite that may require a large breaker bar to remove).



Step 6. Remove the 21mm nut and bolt from the upper shock mount. Move upper control arm up and carefully move spindle to the side.

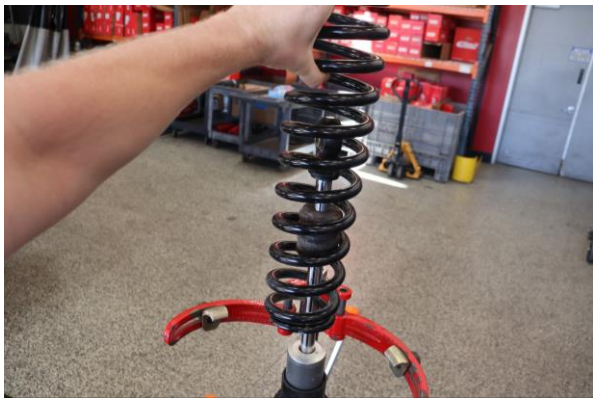
FRONT INSTALLATION

Step 7. Remove shock assembly from vehicle between upper and lower control arms.

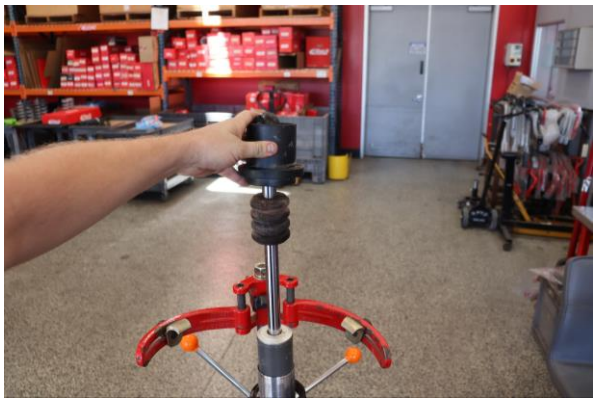
Step 8. Remove lower shock from mount first toward front of car.

Step 9. Use spring compressor to compress shock assembly.

Step 10. Remove the lower spring retainer.



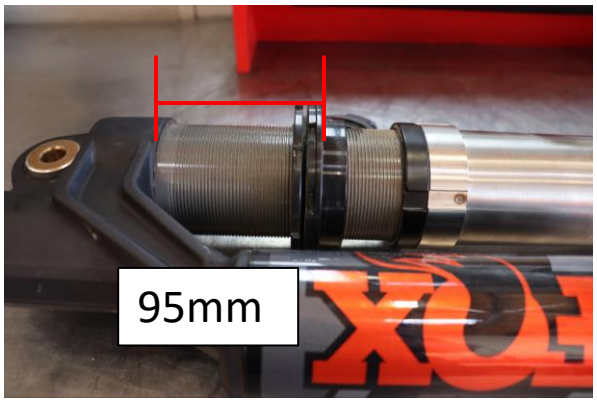
Step 11. Remove OE front main spring.



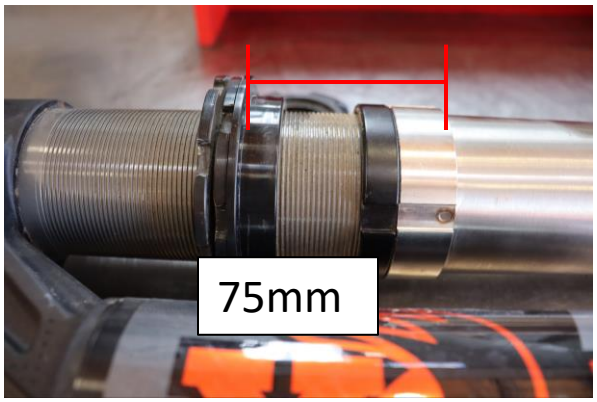
Step 12. Remove OE slider.

FRONT INSTALLATION

Step 13. Remove OE secondary spring.

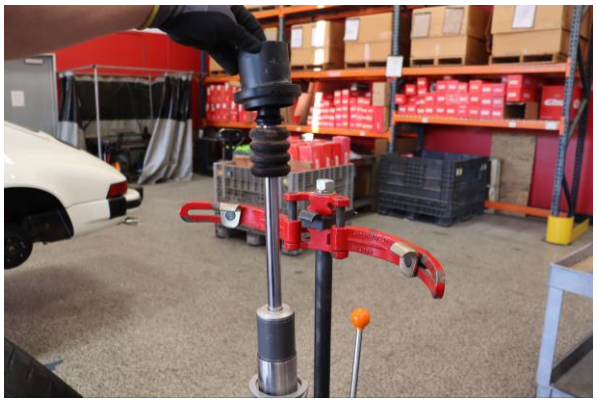


Step 14. Set pre-load spring seat to **95mm (3 47/64in.)** from bottom of seat to bottom of reservoir bridge.

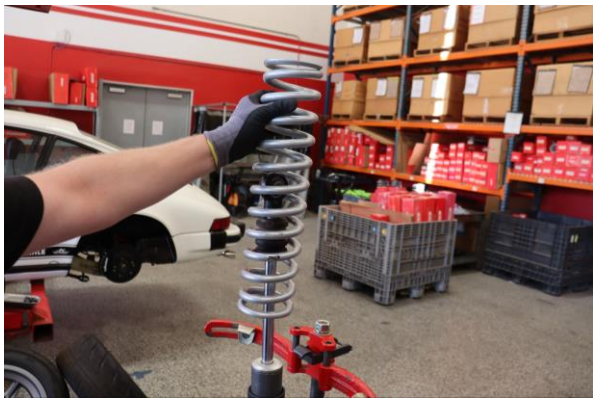


Step 15. Set crossover ring to **75mm (2 61/64in.)** from bottom of spring seat to bottom of crossover ring.

Step 16. Install Eibach front secondary spring.



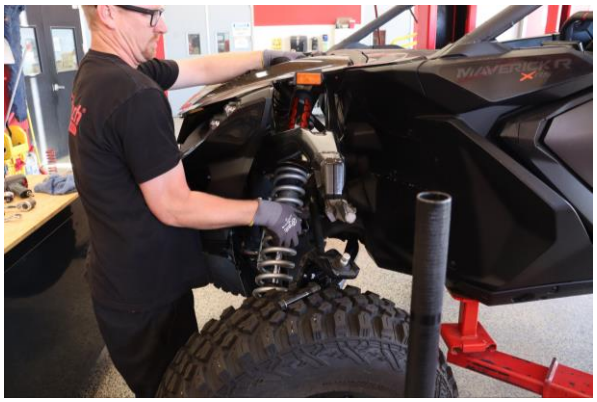
Step 17. Install OE spring slider with larger face pointed away from secondary spring.



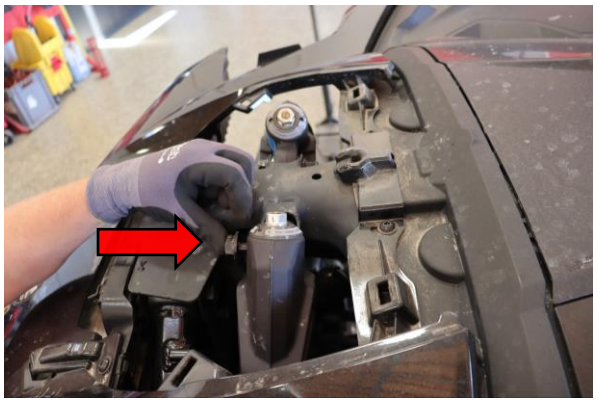
Step 18. Install Eibach front main spring.

FRONT INSTALLATION

Step 19. Compress shock assembly enough to install lower spring retainer. Decompress shock and ensure spring and retainer sit flush on lower mount.

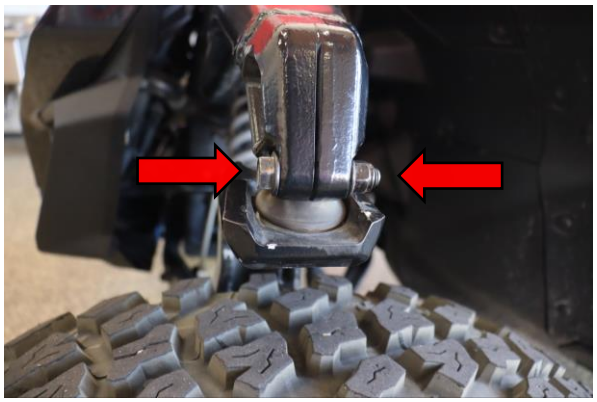


Step 20. Install shock in vehicle using upper mount bolt to hold assembly in place.



Step 21. Install upper shock mount nut and tighten to manufacturer specification using 21mm socket and wrench.

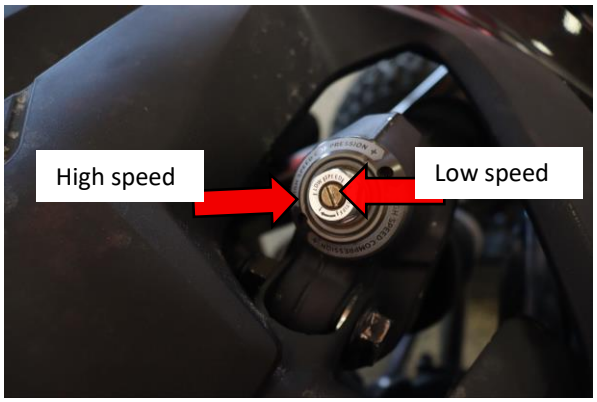
Step 22. Install lower shock bolt and tighten to manufacturer specification using 21mm socket.



Step 23. Lower the upper control arm onto the upper ball joint and install retaining bolt. Use two 15mm sockets tighten to manufacturer specification.

Step 24. Reinstall cover on front of car.

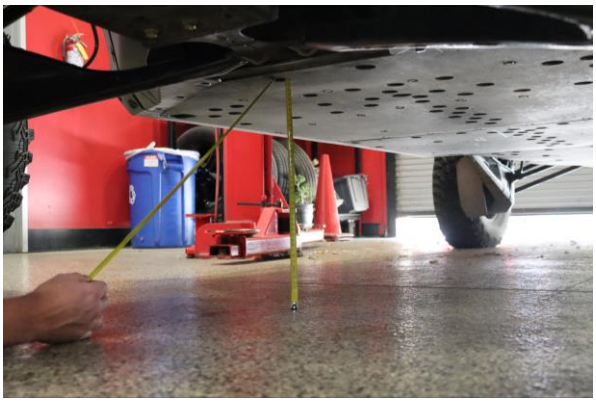
FRONT INSTALLATION



Step 25. Adjust low speed compression setting using a flathead screwdriver turning counterclockwise until full open then turn 2.5 turns in.

High speed compression adjustment using a 17mm wrench turning counterclockwise to full open then 2 full turns in.

Step 26. Rebound adjuster located at lower shock mount. Use flathead screwdriver to adjust. Recommended setting is 15. Turn adjuster full counterclockwise to full open then clockwise counting per click until 15.



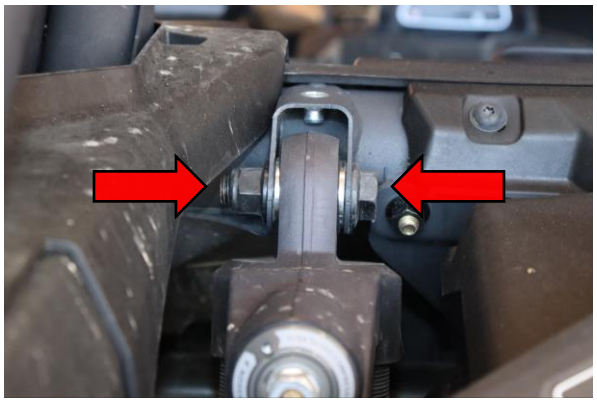
Step 27. Install wheels and tires with lug nuts snug, lower vehicle and torque lug nuts to manufacturer specification. Measure from the ground to the center of the front lower control arm bolt. The recommended preload measurement in **Step 14** will get the vehicle close to the recommended ride height but each vehicle may vary some. As reference, skid plate measurement at recommended preload should be **431mm (17in.)**. We recommend setting the ride height at **480mm (18 57/64in.)** measuring from the ground to the center of the lower control arm bolt. **Note: If you have larger than stock wheels and tires, the ride height will be increased.**

Rebound 15 clicks from full open
Low speed comp 2.5 turns from full open
High speed comp 2.0 turns from full open

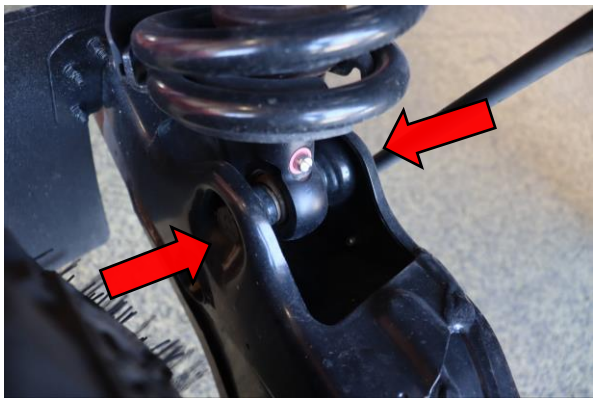
REAR INSTALLATION

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

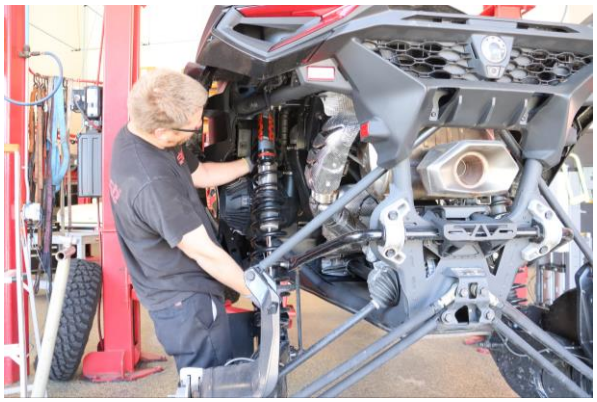
Step 2. Remove wheel and tire. Secure trailing arm to frame using strap. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



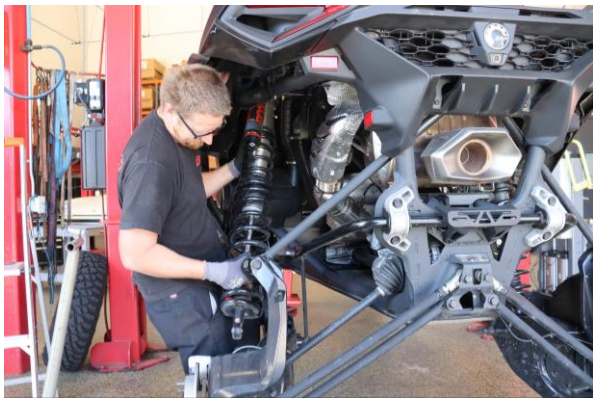
Step 3. Remove 21mm upper shock mount nut and bolt with 21mm socket and wrench.



Step 4. Remove 21mm lower shock nut and bolt. (This bolt from the manufacturer has a yellow Loctite that may require a large breaker bar to remove).

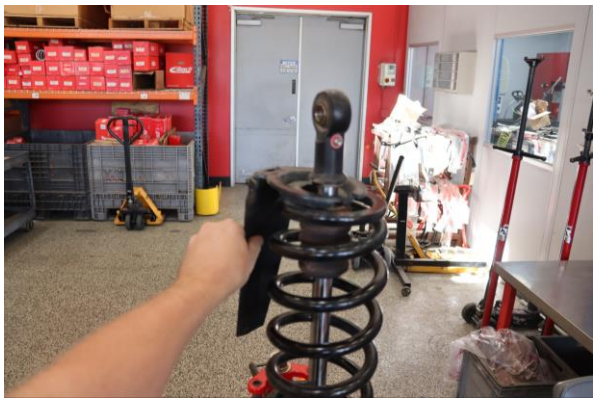


Step 5. Rotate the top of the shock assembly to the rear of the vehicle enough to clear the mount. Lift assembly from the bottom to clear the rear trailing arm and remove shock assembly from the vehicle.



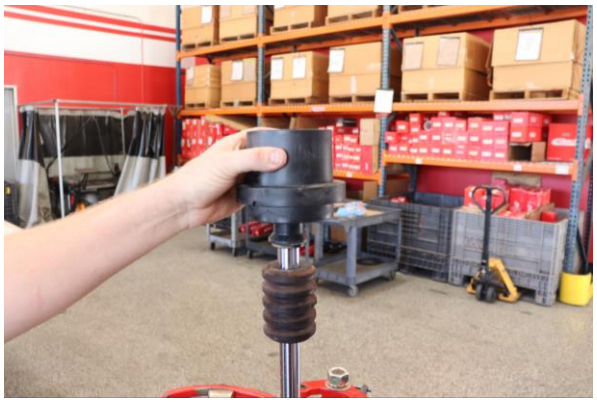
Step 6. Remove shock from car.

REAR INSTALLATION



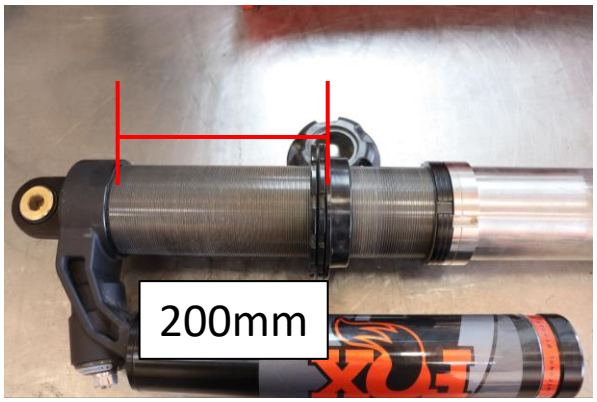
Step 7. Use a spring compressor to compress spring assembly. Remove lower spring retainer.

Step 8. Remove OE main spring.

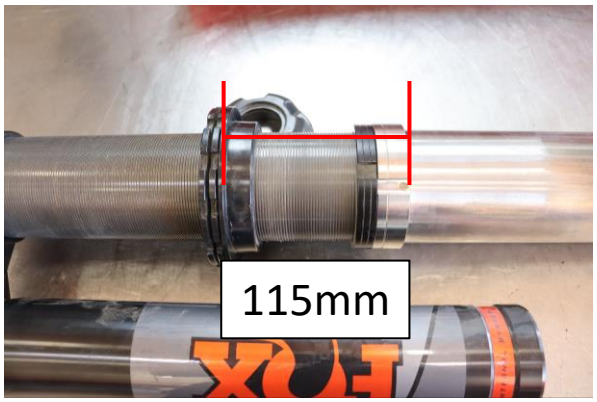


Step 9. Remove OE spring slider.

Step 10. Remove OE secondary spring.

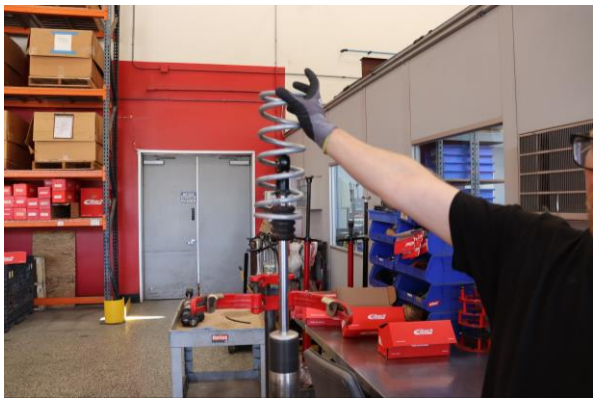


Step 11. Set pre-load to **200mm (7 7/8in.)** from bottom of spring seat to bottom of furthest point on reservoir bridge. (Reservoir bridge is not flat relative to spring seat. Be sure to measure from the side opposite the reservoir).



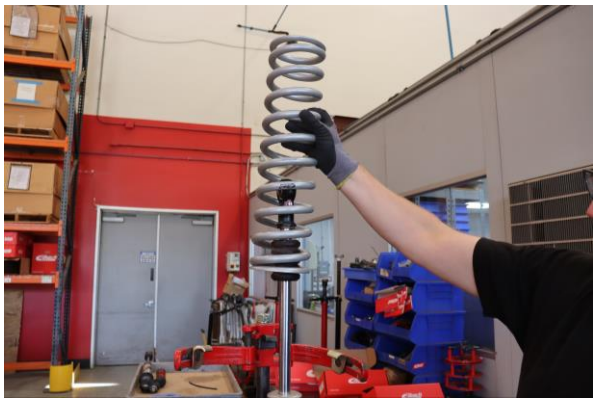
Step 12. Set crossover ring to **115mm (4 17/32in.)** from bottom of spring seat to bottom of crossover ring.

REAR INSTALLATION



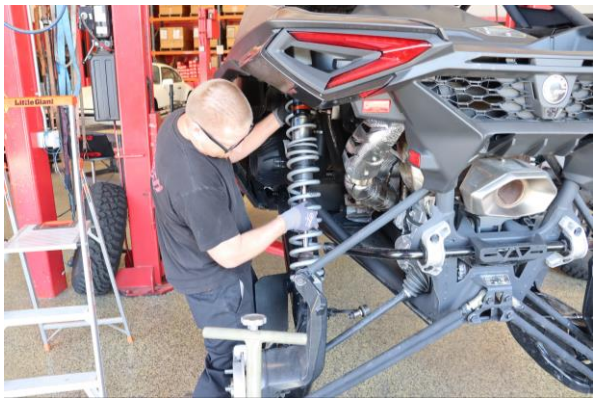
Step 13. Install Eibach secondary spring.

Step 14. Reinstall OE spring slider.

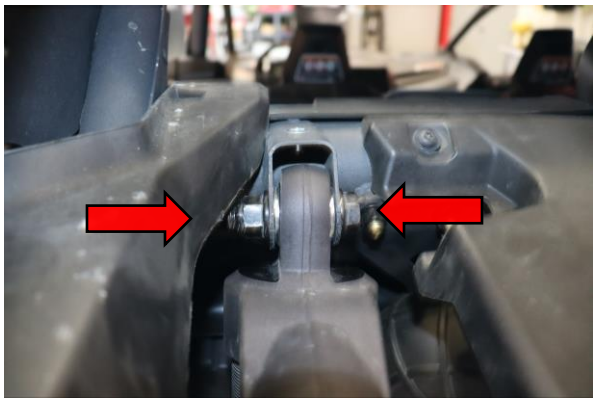


Step 15. Install Eibach main spring.

Step 16. Install lower spring retainer. Decompress spring assembly making sure that lower spring retainer and main spring sit flush with lower shock mount.

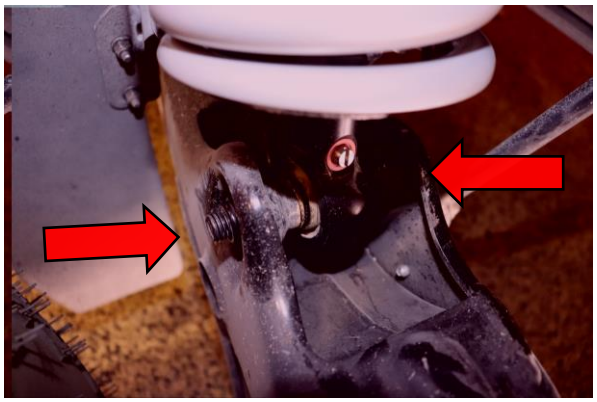


Step 17. Set shock assembly in vehicle by inserting top of assembly through opening in body panels and setting lower shock mount in trailing arm.

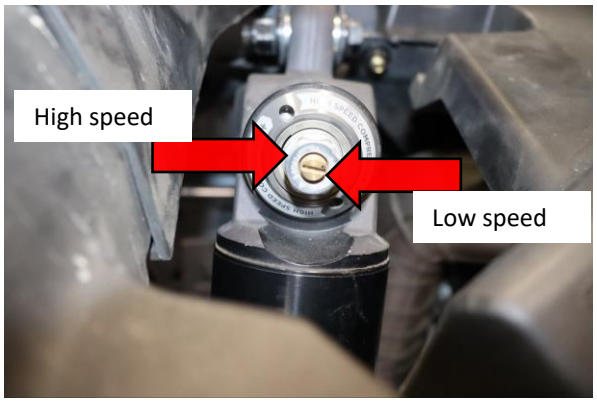


Step 18. Install upper shock mount nut and bolt. Tighten to manufacturer specification using 21mm wrench and socket.

REAR INSTALLATION

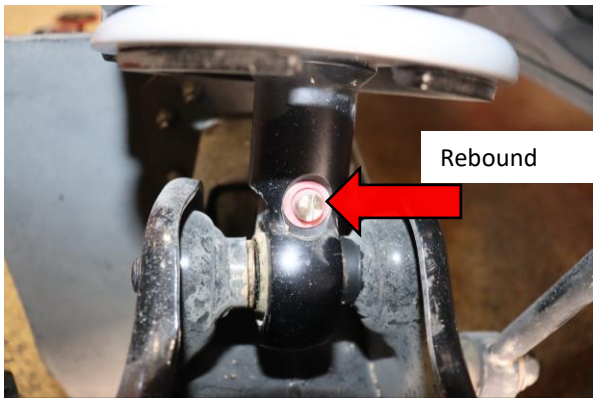


Step 19. Install lower shock mount nut and bolt. Tighten to manufacturer specification using 2 21mm sockets.



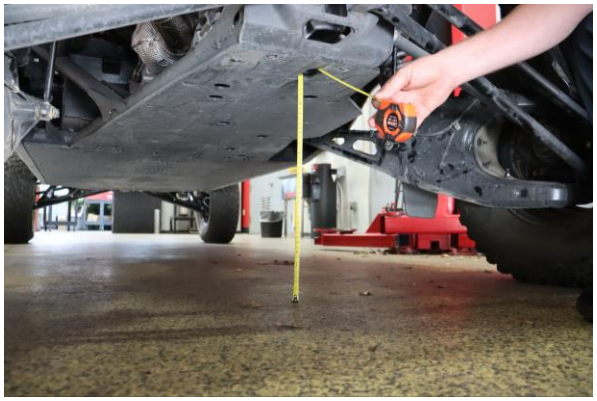
Step 20. Adjust low speed compression setting using a flathead screwdriver turning counterclockwise until full open then turn clockwise 2.5 turns

High speed compression adjustment using a 17mm wrench turning counterclockwise to full open then turn clockwise 2.5 turns.



Step 21. Rebound adjuster located at lower shock mount. Use flathead screwdriver to adjust. Recommended setting is 20. Turn adjuster full counterclockwise to full open then clockwise counting per click until 20.

Step 22. Install wheels and tires with lug nuts snug, lower vehicle and torque lug nuts to manufacturer specification.



Rebound 20 turns from full open
Low speed comp 2.5 turns from full open
High speed comp 2.5 turns from full open

Step 23. Measure from the ground to the center of the lower radius 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, skid plate measurement at recommended preload should be 431.8**mm (17in**.). We recommend setting the ride height at **525mm (20 45/64 in.)** measuring from the ground to the center of the lower radius arm bolt. **Note: If you have larger than stock wheels and tires, the ride height will be increased. 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.**