Installation Instructions

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USA Tech Support 800-507-2338 ext. 114

PRO-UTV: E85-212-013-04-22

CAN AM MAVERICK R X 2-SEATER

Notes

FOX 2.5” FRONT AND REAR

STAGE 4 (EXTRA LOAD) 200 lbs in bed, 100 lbs in passenger compartment

All measurements were taken from a vehicle with 32” tires

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0350S	2
FRONT MAIN SPRING	1800.300.0400S	2
REAR SECONDARY SPRING	1200.300.0250S	2
REAR MAIN SPRING	2000.300.0350S	2

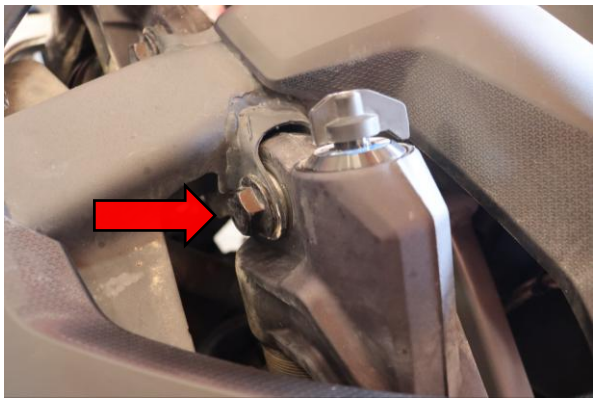
Installation Notes

Read all instructions before beginning installation

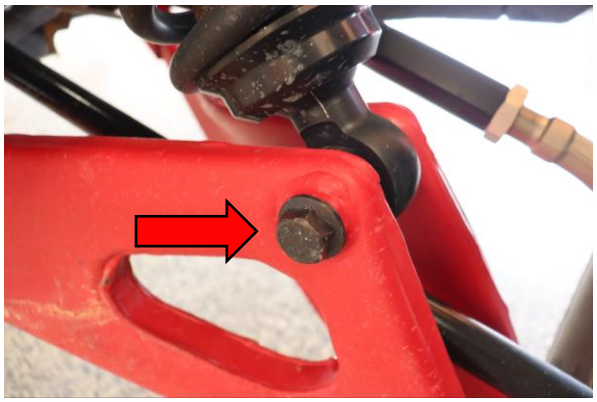
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by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

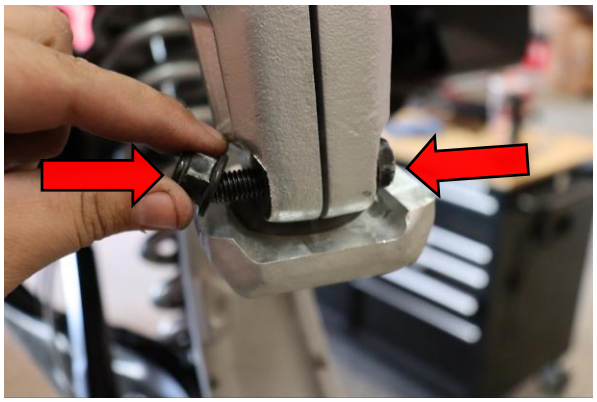
Step 1. Raise the front of the vehicle and support it with the proper safety equipment. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



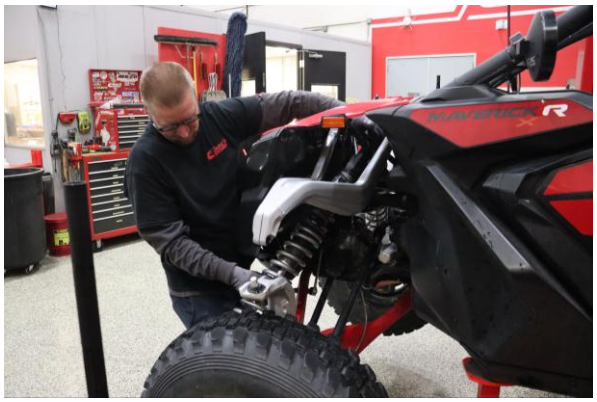
Step 2. Remove the 21mm nut and bolt from the upper shock mount.



Step 3. Remove 21mm lower shock bolt.



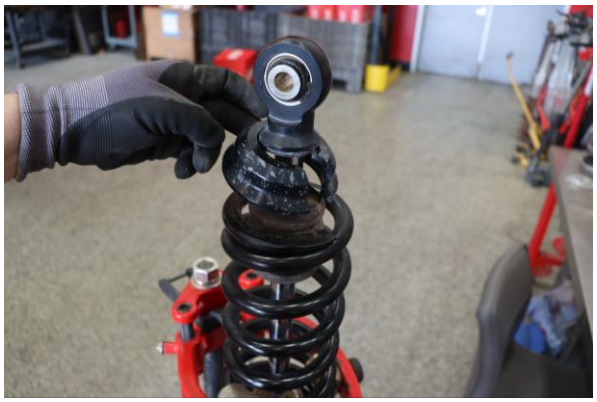
Step 4. Remove 15mm bolt and nut at upper control arm ball joint.



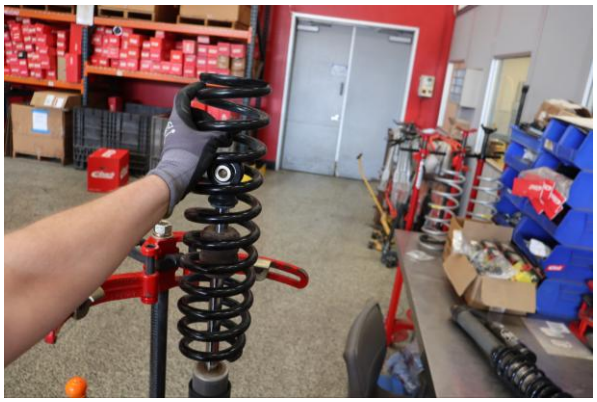
Step 5. Remove shock assembly from vehicle between upper and lower control arms.

Step 6. Use spring compressor to compress shock assembly.

FRONT INSTALLATION



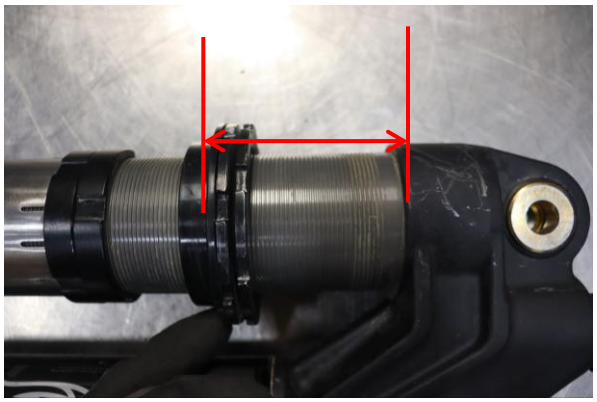
Step 7. Remove the spring retainer.



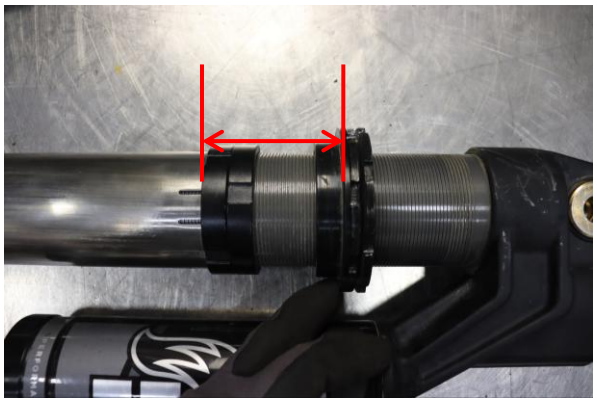
Step 8. Remove OE main spring.

Step 9. Remove spring slider.

Step 10. Remove OE secondary spring.

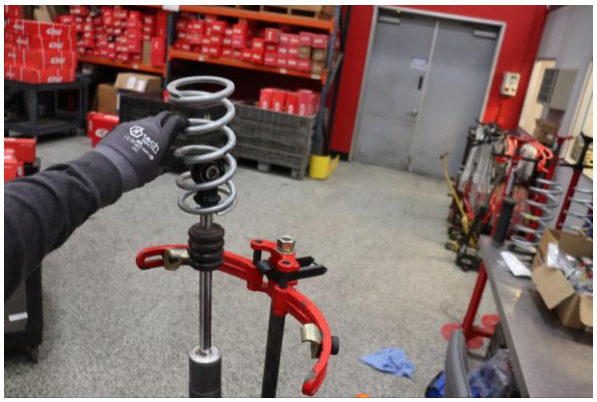


Step 11. Set pre-load of spring seat to **75mm (2 61/64in.)** from bottom of seat to bottom of reservoir bridge.

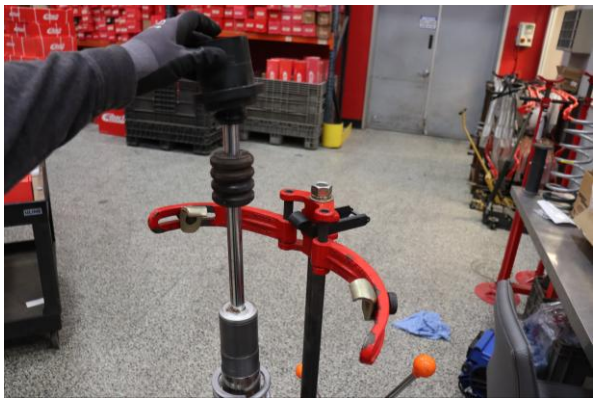


Step 12. Set crossover ring to **70mm (2 3/4in.)** from bottom of spring seat to bottom of crossover ring.

FRONT INSTALLATION



Step 13. Install Eibach secondary spring.

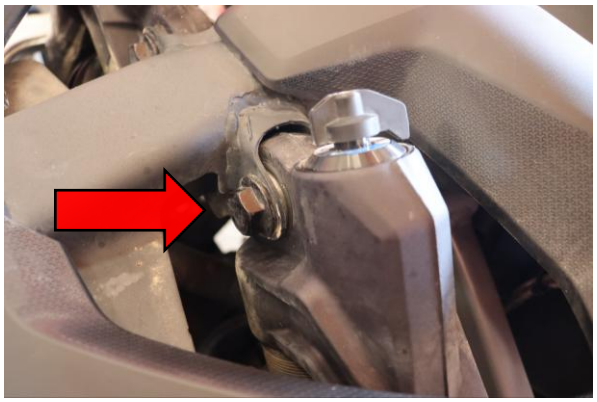


Step 14. Install OE spring slider with larger face pointed away from secondary spring.

Step 15. Install Eibach main spring.

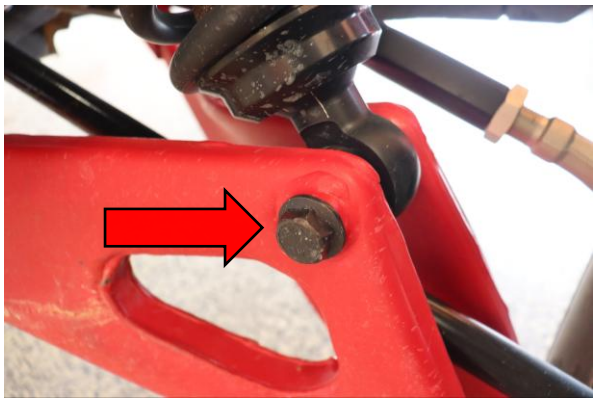
Step 16. Compress shock assembly enough to install lower spring retainer. Decompress shock and ensure spring and retainer sit flush on lower mount.

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

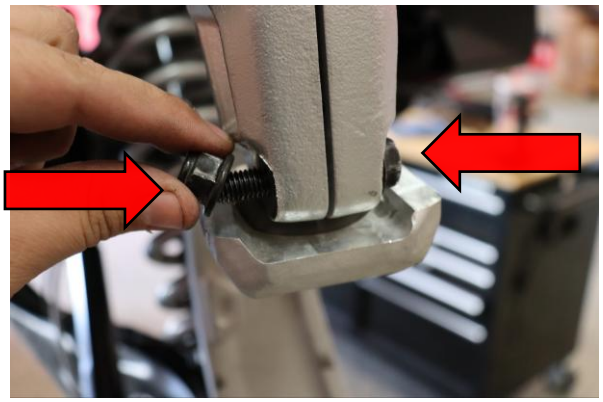


Step 18. Install upper shock mounting bolt to hold shock.

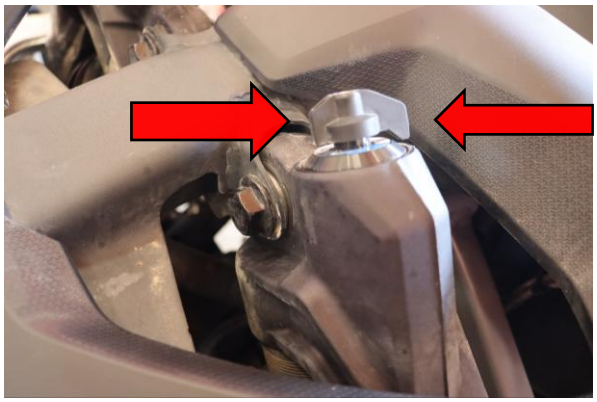
FRONT INSTALLATION



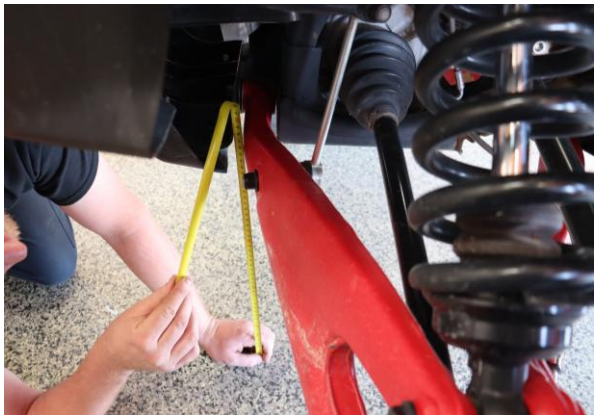
Step 19. Install lower shock bolt and tighten to manufacturer specification using 21mm socket and wrench.



Step 20. Lower the upper control arm onto the upper ball joint and install retaining bolt. Use two 15mm sockets tighten to manufacturer specification.



Step 21.Tighten 21mm shock bolt with wrench and socket. Adjust front shock setting on (2nd) click



Step 22. 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 11** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **431.8mm (17in.)** measuring from the ground to the center of the front skid plate/ ground clearance. The ride height at 480**mm (18 57/64in.)** measuring from the ground to the center of the lower control arm bolt. **Note: Measurements were taken from a vehicle with 32 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. 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. Remove 21mm upper shock mount nut and bolt. (To remove bolt gently lift plastic trim panel to allow clearance for head of the bolt.

Step 3. Remove 21mm lower shock nut and bolt. (This bolt from the manufacturer has yellow Loctite that may require a large breaker bar to remove).

Step 4. Lift assembly from the bottom to clear the rear trailing arm and remove shock assembly from the vehicle.

Step 5. Use a spring compressor to compress spring assembly. Remove lower spring retainer.

Step 6. Remove the spring retainer.

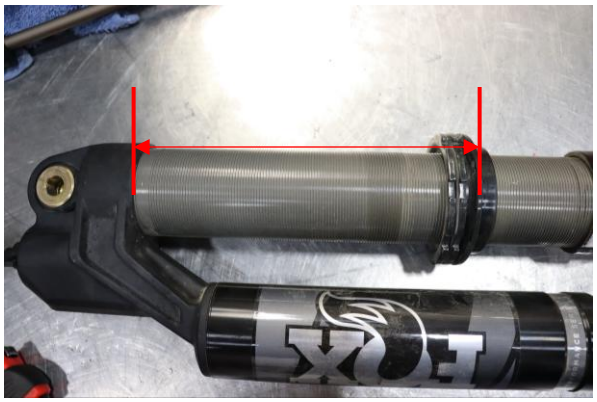
REAR INSTALLATION

Step 7. Remove OE main spring

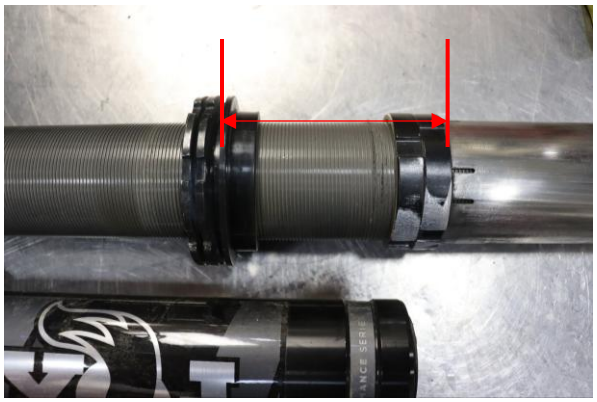
Step 8. Remove OE slider

Step 9. Remove spring slider.

Step 10. Remove tender spring.

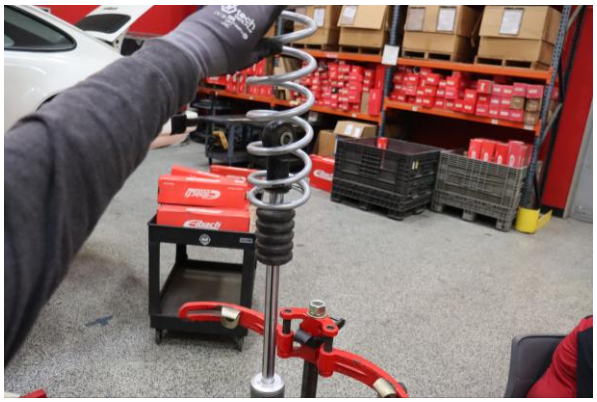


Step 11. Set pre-load to **215mm (8 15/32in.)** from bottom of spring seat to bottom of furthest point on reservoir bridge. (Reservoir bridge is not flat relative to spring seat. Be sure to measure from the side opposite the reservoir).

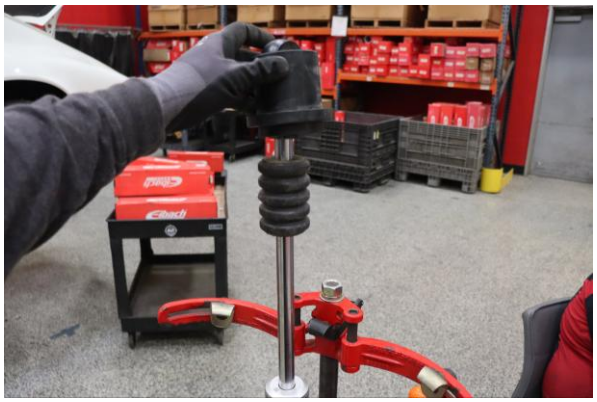


Step 12. Set crossover ring to **110mm (4 11/32in.)** from bottom of spring seat to bottom of crossover ring.

REAR INSTALLATION



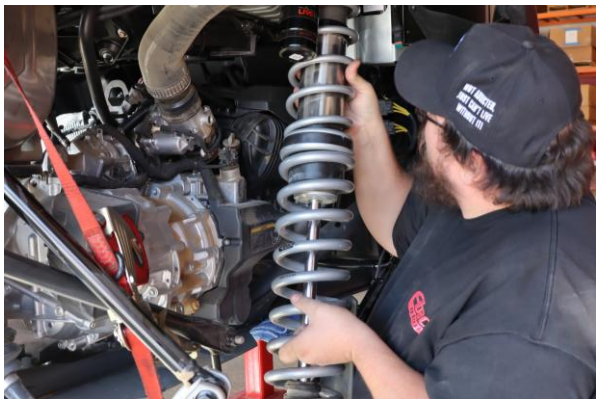
Step 13. Install Eibach secondary spring.



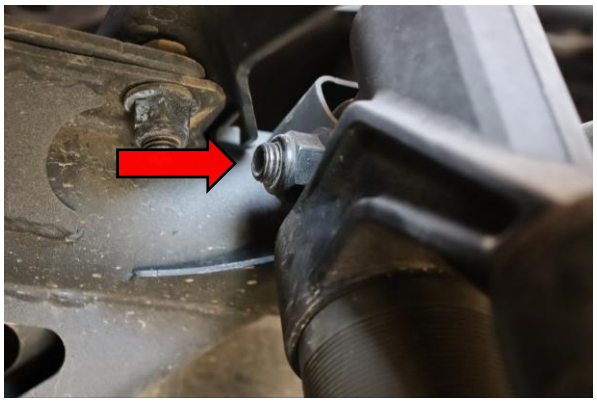
Step 14. Reinstall OE spring slider.

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.



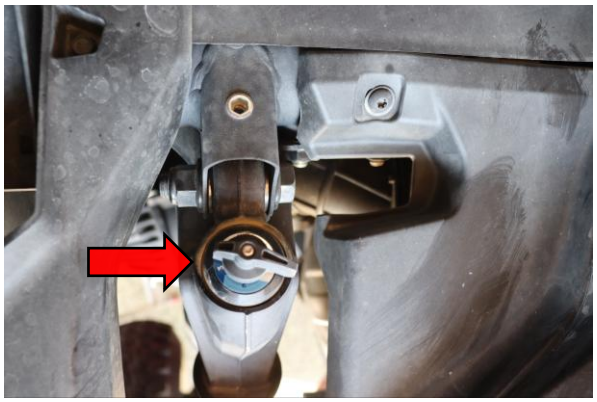
Step 17. Set shock assembly in vehicle by inserting top of assembly through opening in body panels and setting lower shock mount in trailing arm.



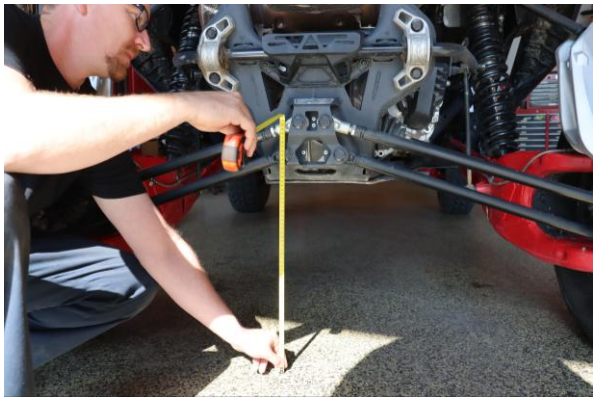
Step 18. Install upper shock mount nut and bolt. Tighten to manufacturer specification using 21mm wrench and socket

REAR INSTALLATION

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



Step 20. Adjust rear shock setting to (2nd) click



Step 21. 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 **500mm (19 11/16in.)** measuring from the ground to the center of the lower radius arm bolt. **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.**