Installation Instructions

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USA Tech Support 800-507-2338 ext. 114

PRO-UTV: E85-212-018-03-22

CAN AM MAVERICK X3 DS TURBO “64” 4-SEATER

Notes

EQUIPPED WITH SHOWA SHOCKS

Stage 3 (EXTRA LOAD)

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	1000.300.0200S	2
FRONT MAIN SPRING	1600.300.0350S	2
REAR SECONDARY SPRING	1200.300.0200S	2
REAR MAIN SPRING	1800.300.0400S	2
SPRING SLIDER	8001064-M	4

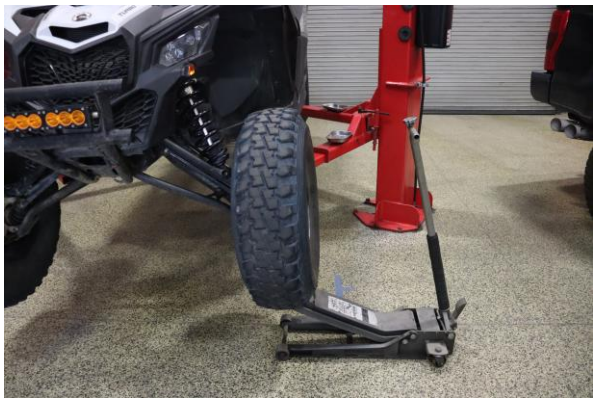
Installation Notes

Read all instructions before beginning installation

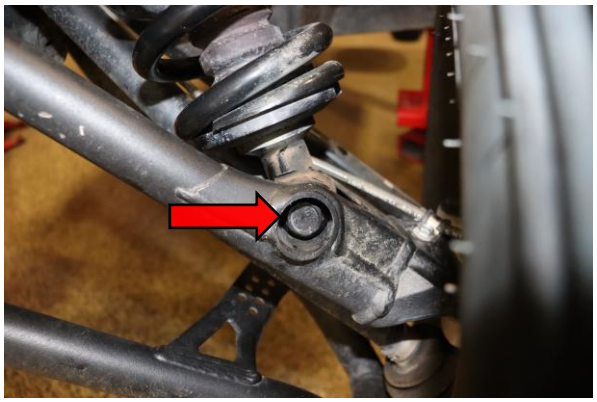
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by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

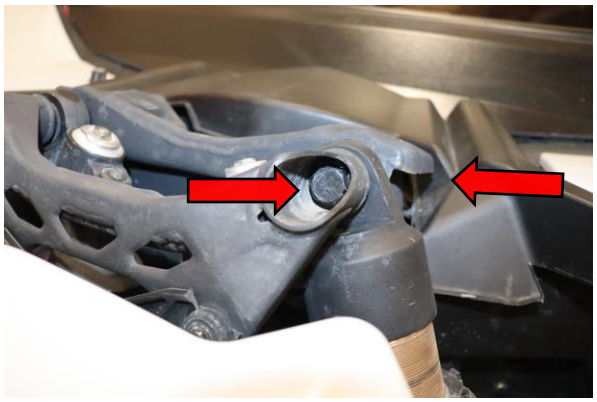
Step 1. Raise the front of the vehicle and support it with the proper safety equipment. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



Step 2. Use floor jack or straps to support weight of wheel and tire.



Step 3. Remove 18mm lower shock nut and bolt. Need 2 18mm sockets



Step 4. Remove 18mm upper shock bolt and nut from both left and right front. Need socket and wrench.

Step 5. Lift shock to clear lower shock mount and lower shock to remove from car.

Step 6. Use spring compressor to compress shock assembly.

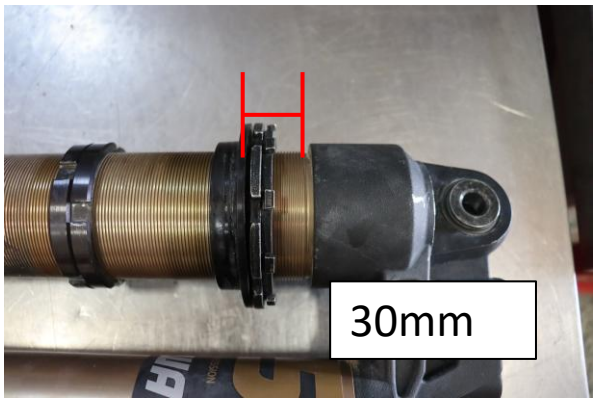
FRONT INSTALLATION

Step 7. Remove the lower spring retainer and decompress the spring.

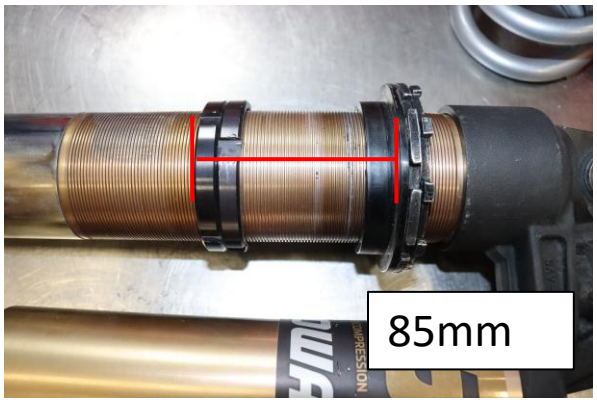
Step 8. Remove OE front main spring.

Step 9. Remove OE slider.

Step 10. Remove OE front secondary spring.

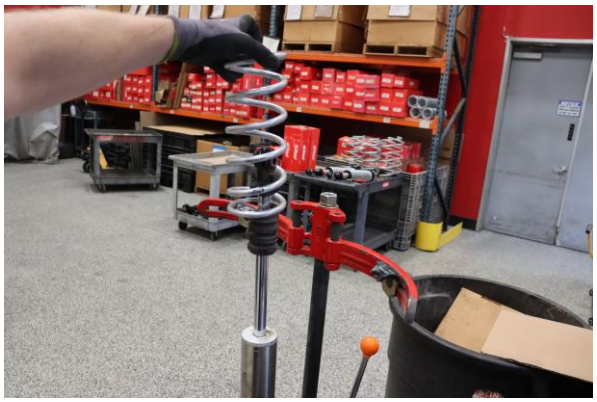


Step 11. Set pre-load spring seat to **55mm (1 3/16in.)** from bottom of seat to bottom of reservoir bridge.



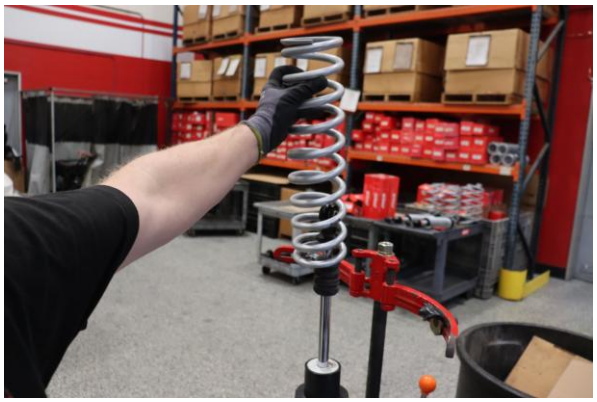
Step 12. Set crossover ring to **85mm (3 3/8in.)** from bottom of spring seat to bottom of crossover ring.

FRONT INSTALLATION



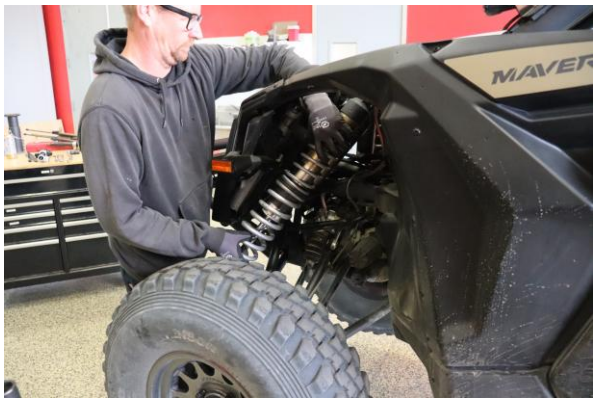
Step 13. Install Eibach front secondary spring.

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

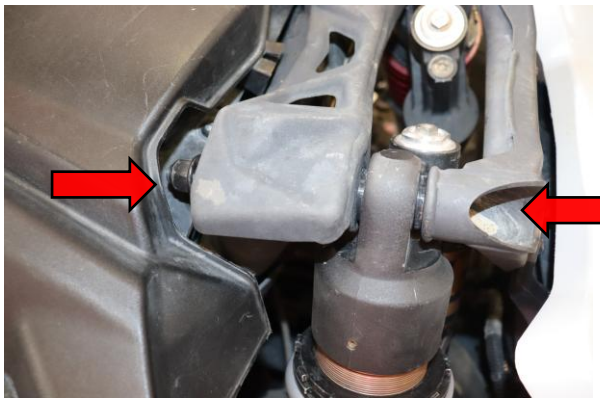


Step 15. Install Eibach front main spring.

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



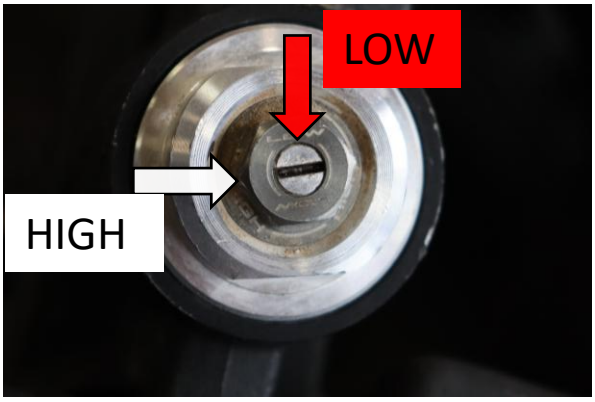
Step 17. Install shock in vehicle in reverse of removal.



Step 18. Install upper shock bolt and nut. Tighten to manufacturer specification (77 ft lb.) using 18mm socket.

FRONT INSTALLATION

Step 19. Install lower shock bolt and nut. Tighten to manufacturer specifications (77 ft lb.) using a 18mm socket.



Step 20. SHOCK SETTINGS (0 IS FULL OPEN)

LOW SPEED 5 TURNS FROM FULL OPEN WITH FLAT SCREWDRIVER

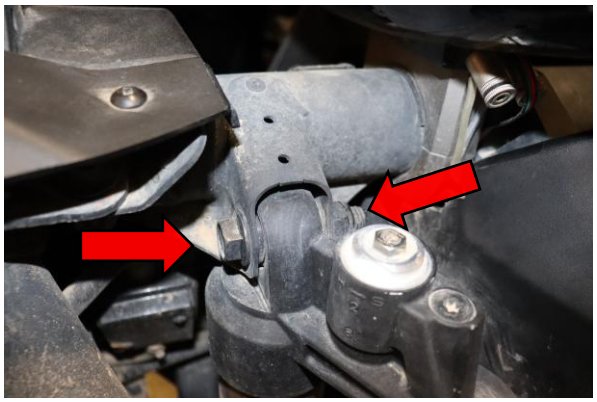
HIGH SPEED 2 FULL TURNS FROM OPEN WITH 12MM WRENCH

Step 21. Measure from the ground to the center of the front skid plate or frame rail between lower control arms. 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 355mm **(14in Note: If you have larger than stock wheels and tires, the ride height will be increased. (OE tire size 30 in)**

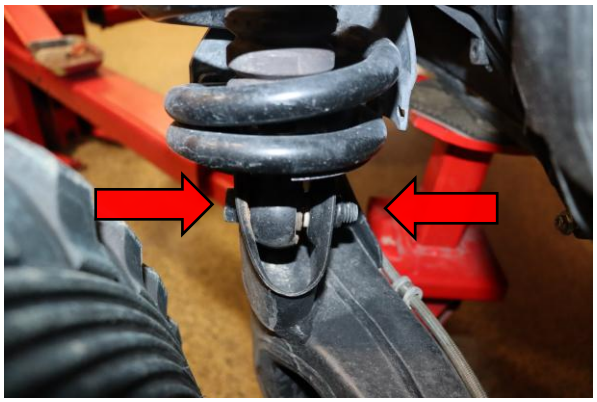
REAR INSTALLATION

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

Step 2. Support weight of wheel and tire with floor jack.



Step 3. Remove 18mm upper shock mount nut and bolt with 18mm socket and wrench.



Step 4. Remove 18mm lower shock mount nut and bolt with 18mm socket and wrench.

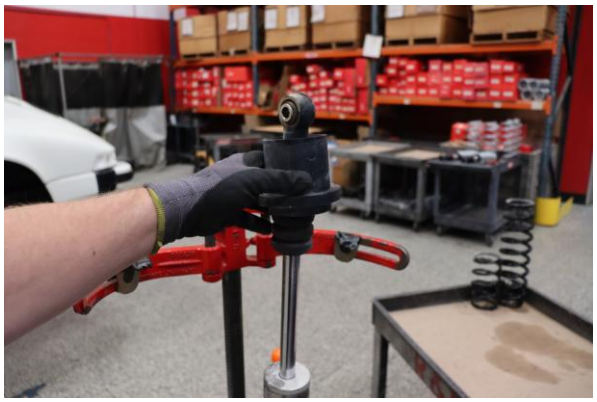
Step 5. Lift and remove the shock assembly from the bottom shock mount first then lower shock from car.

Step 6. Use a spring compressor to compress spring assembly.

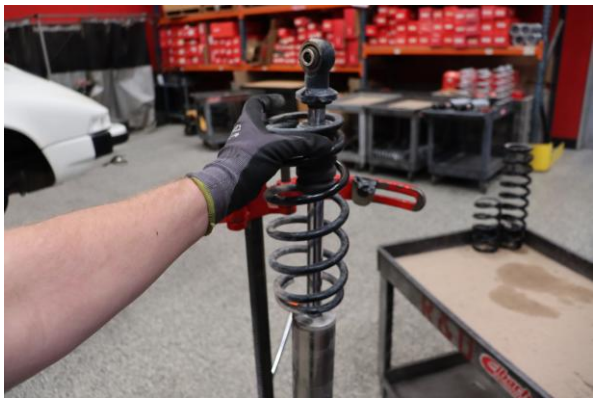
REAR INSTALLATION

Step 7. Remove lower spring retainer and decompress the spring

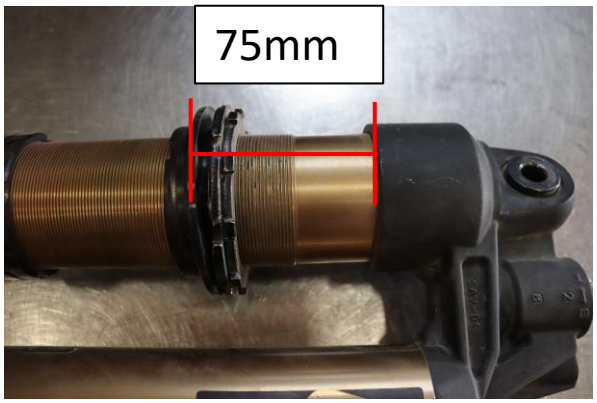
Step 8. Remove OE main spring.



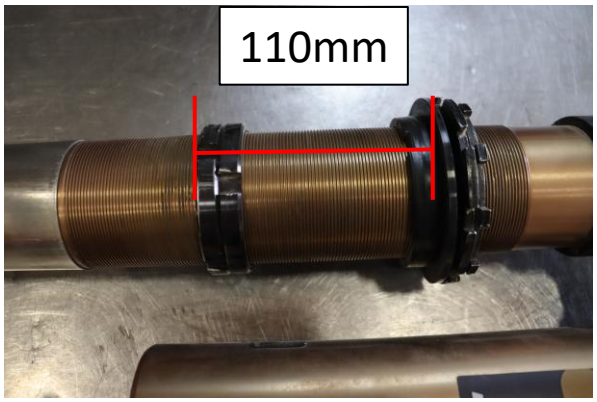
Step 9. Remove OE spring slider.



Step 10. Remove OE secondary spring.

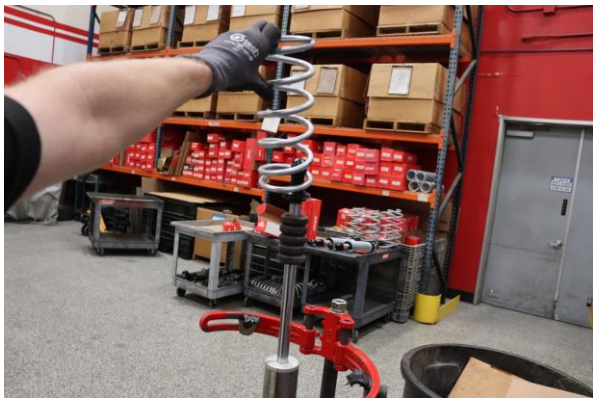


Step 11. Set pre-load to 70mm (**2 61/64in**.) from bottom of spring seat to bottom of furthest point on reservoir bridge.

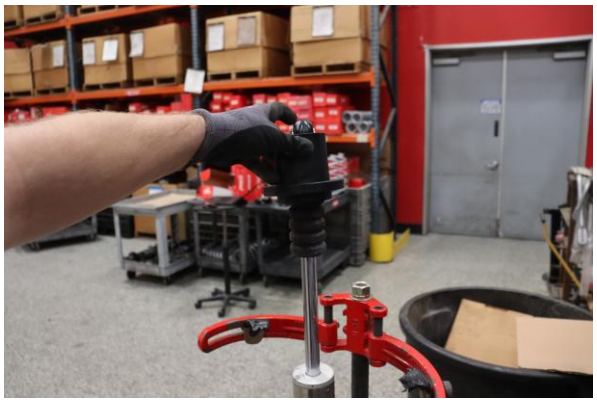


Step 12. Set crossover ring to 110mm (**4 11/32in**.) from bottom of spring seat to bottom of crossover ring.

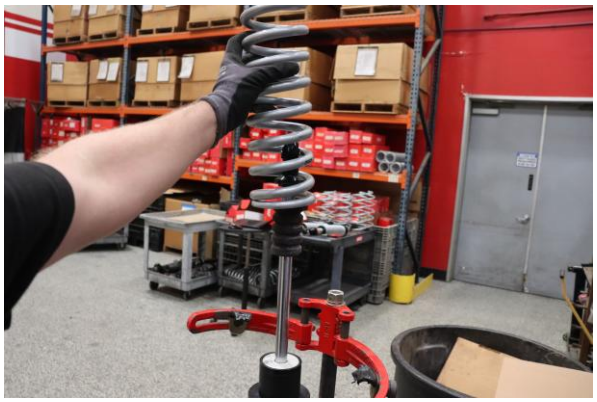
REAR INSTALLATION



Step 13. Install Eibach rear secondary spring.

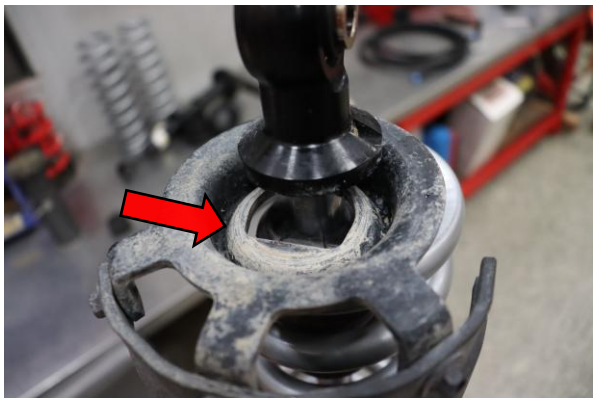


Step 14. Install EIBACH spring slider with larger face pointed away from secondary spring.

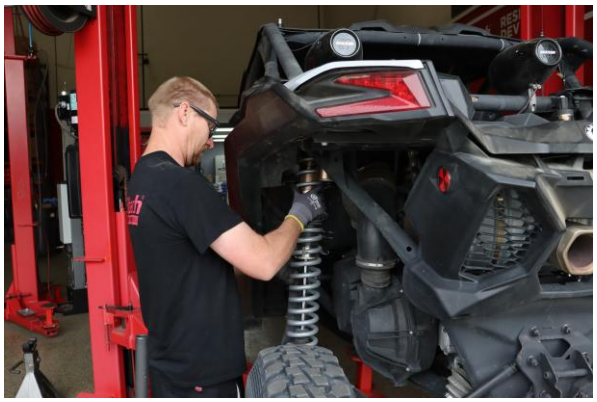


Step 15. Install Eibach rear main spring.

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

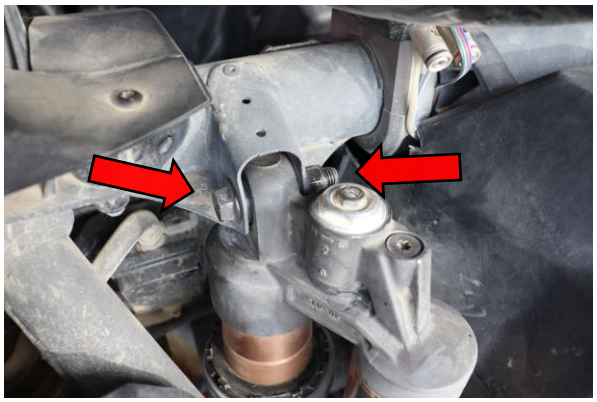


Step 17. OE rear lower spring seat has a flat cut on both rod end and seat. Make sure they are seated together.

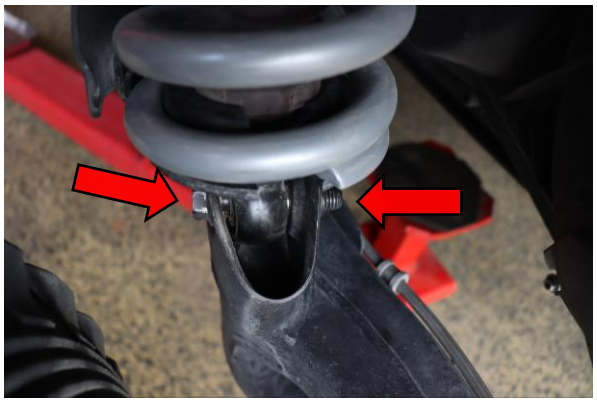


Step 18. Set shock assembly in vehicle by inserting top of assembly through opening in body panels and setting lower shock mount in trailing arm.

REAR INSTALLATION

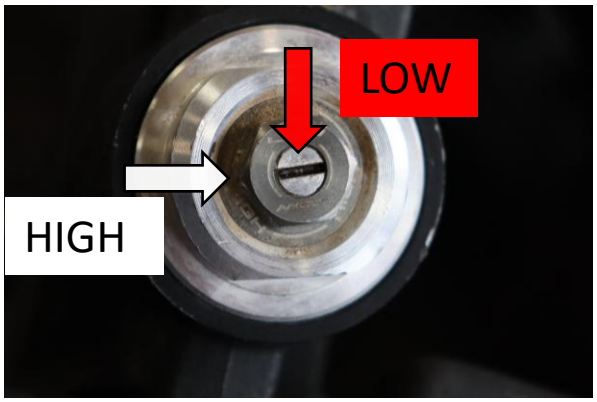


Step 19 Install upper shock mount nut and bolt. Tighten to manufacturer specification (77 ft lb.) using 18mm wrench and socket.



Step 20. Install lower shock mount nut and bolt. Tighten to manufacturer specification (77 ft lb.) using 18mm socket.

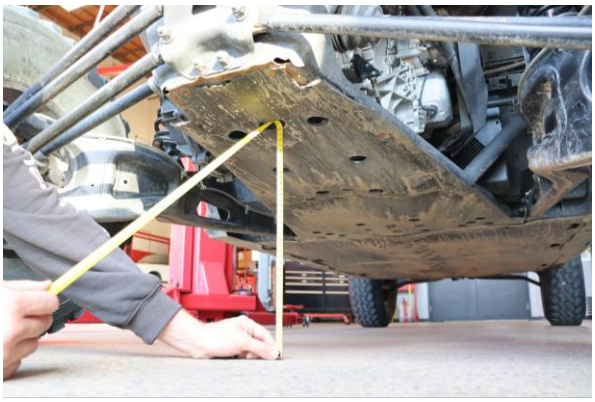
Step 21 Lower car onto ground. The car will need to be scrubbed before checking heights.



Step 22. SHOCK SETTINGS (0 IS FULL OPEN)

LOW SPEED 5 TURNS FROM FULL OPEN WITH FLAT SCREWDRIVER

HIGH SPEED 3 FULL TURNS FROM OPEN WITH 12MM WRENCH



Step 23. Measure from the ground to the center of rear skid plate. 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 355mm (14in 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. (OE spring is 30in)