Installation Instructions

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PRO-UTV: E85-212-006-03-22

Maverick X3 MAX, X RS Turbo R

Notes

STAGE 3, HEIGHTS MEASURED WITH 150LBS REAR CARGO COMPARTMENT AND 50LBS FRONT PASSENGER COMPARTMENT.

FOR 72” 4 SEAT MODELS WITH REAR REMOTE RESERVOIRS.

RIDE HEIGHTS BASED ON 32” TIRE

Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	1000.300.0300S	2
FRONT MAIN SPRING	1600.300.0350S	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. Loosen and remove the hardware that secures the coilover to the control arm. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**

Step 2. Loosen and remove the hardware that secures the coilover to the upper mount.

Step 3. Remove the coilover.

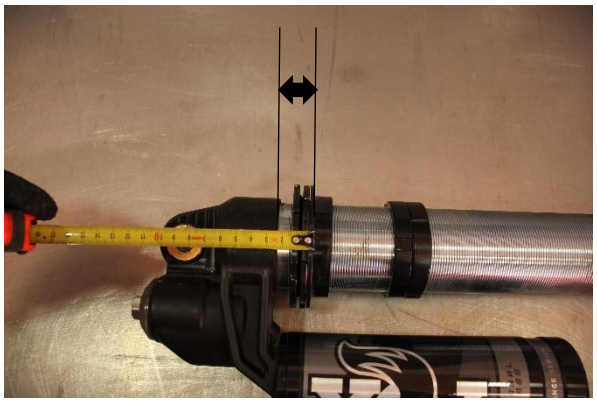
Step 4. Compress the coilover, then remove the spring retainer. **Note: The bump stop will need to be pried down, out of the way of the spring retainer.**

Step 5. Remove OE main spring.

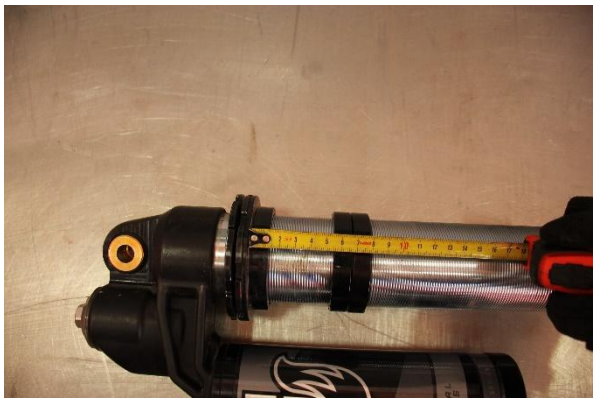
Step 6. Remove OE spring slider.

FRONT INSTALLATION

Step 7. Remove OE secondary spring.



Step 8. Set the preload collar to **35mm (1 3/8 IN)** measuring from the base of the reservoir housing to the spring flange.



Step 9. Move the OE cross-over rings and set them at **80mm (3 9/64 IN)** measuring from the spring flange to the bottom of the crossover rings**.**

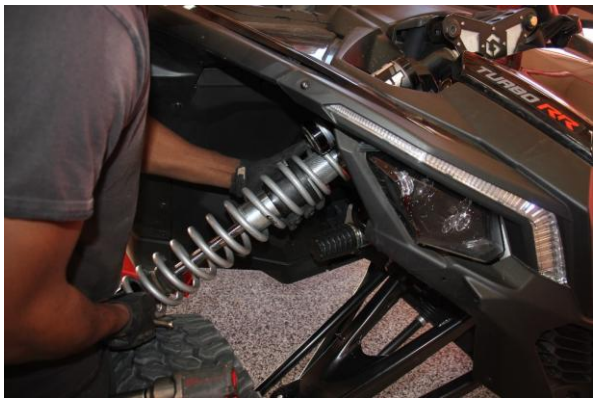
Step 10. Install the Eibach secondary spring.

Step 11. Install the OE slider.

Step 12. Install the Eibach main spring.

FRONT INSTALLATION

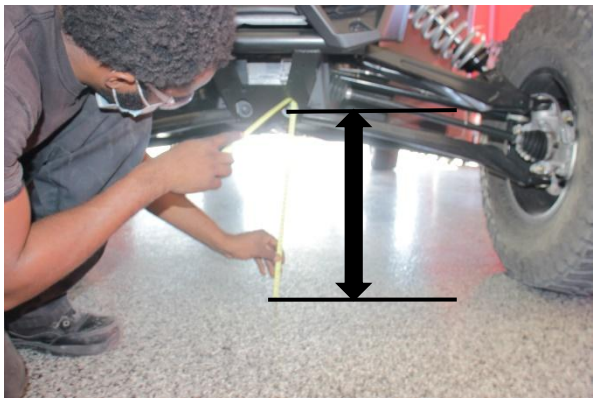
Step 13. Compress the spring assembly and re-install the spring retainer.



Step 14. Re-install the coilover.

Step 16. Secure the coilover to the upper mount with the OE hardware.

Step 17. Secure the coilover to the control arm with the OE hardware.



Step 18. 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 8** 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 **406.4mm (16in.)**. We recommend setting the ride height at **485mm (19 3/32in.)** 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.**

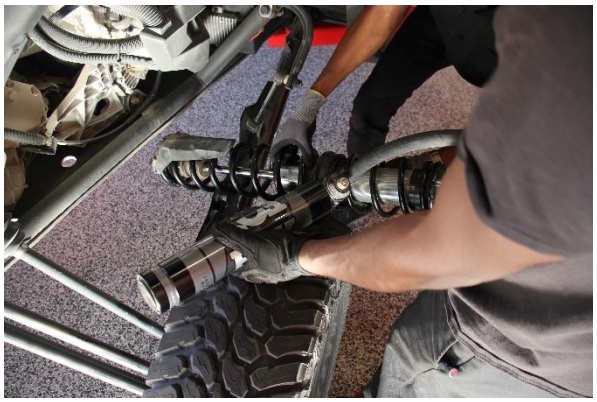
REAR INSTALLATION

Step 1. Raise the rear of the vehicle and support it with the proper safety equipment. Remove the two T30 torx screws then remove the plastic cover. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**

Step 2. Remove the 4 socket head cap screws on the resi mounting bracket, set resi in bed.

Step 3. Loosen and remove the hardware that secures the coilover to the control arm.

Step 4. Loosen and remove the hardware that secures the coilover to the upper mount.



Step 5. Carefully guide the resi/resi hose through the hole in the bed, and remove coilover.

Step 6. Compress the coilover, then remove the spring retainer. **Note: The bump stop will need to be pried down, out of the way of the spring retainer.**

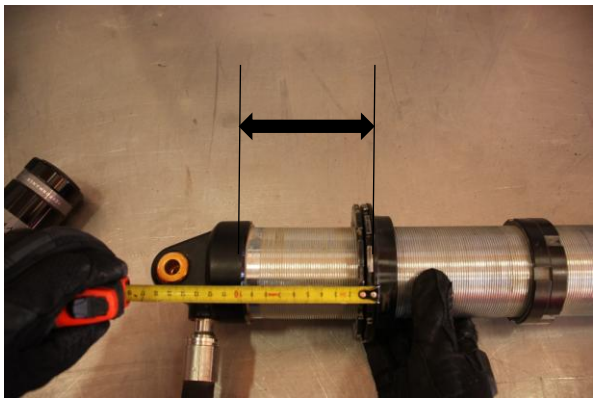
REAR INSTALLATION

Step 7. Remove OE main spring.

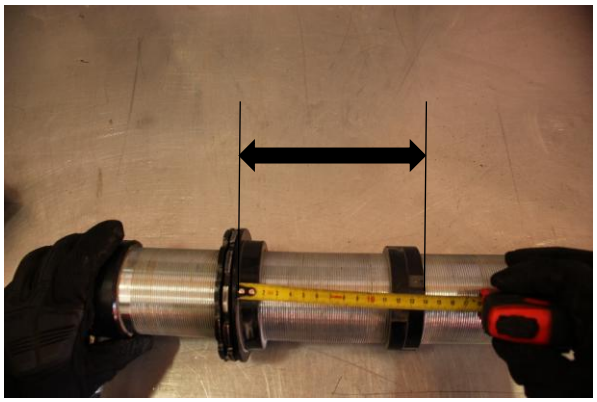
Step 8. Remove OE slider.

Step 9. Remove OE secondary spring.

Note: Some vehicles may have a triple sprint set up, if equipped remove third spring and additional slider.



Step 10. Set the preload collar to **100mm (3 15/16 IN)** measuring from the base of the reservoir housing to the spring flange.



Step 11. Install the cross-over rings and set them at **140mm (5 33/64 IN)** measuring from the spring flange to the bottom of the crossover rings**.**

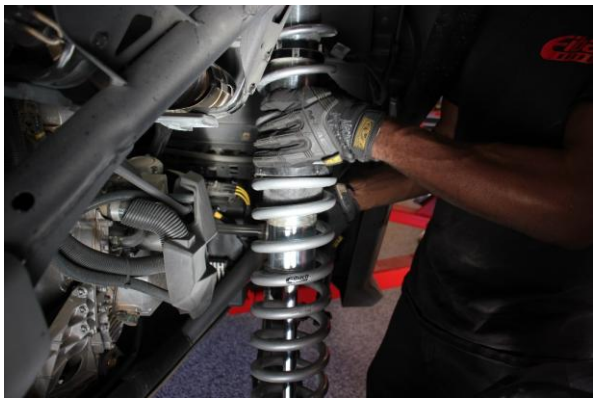
Step 12. Install the Eibach secondary spring.

REAR INSTALLATION

Step 13. Install the OE spring slider.

Step 14. Install the Eibach main spring.

Step 15. Compress the spring assembly and re-install the spring retainer.



Step 16. Re-install the coilover, carefully guiding the resi back up through the hole in the bed.

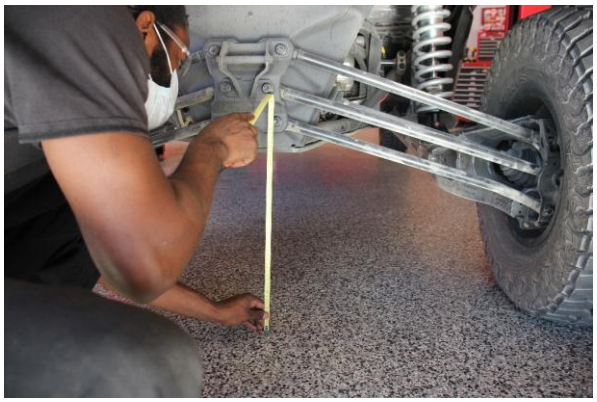
Step 17. Secure the coilover to the upper mount with the OE hardware.

Step 18. Secure the coilover to the control arm with the OE hardware.

REAR INSTALLATION

Step 19. Re-install the resi mounting bracket, secured by the 4 socket head cap screws.

Step 20. Re-install the plastic cover fastened by 2 T30 screws.



Step 21. Measure from the ground to the center of the lower radius arm bolt. The recommended preload measurement in **Step 10** 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 406.4 **mm (16 in**.). We recommend setting the ride height at **490mm (19 19/64in.)** 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.**

SHOCK SETTINGS

Front:
Rebound: 12 Clicks out from closed
High Speed Comp: Full Open
Low Speed Comp: 2 Turns out from closed

Rear:
Rebound: 8 Clicks out from closed
High Speed Comp: 2 Turns out from closed
Low Speed Comp: 2 Turns out from closed

Note: Clockwise is closed