

# Installation Instructions

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## PRO-UTV: E85-209-026-02-22

POLARIS GENERAL XP 4 1000

### Notes

FOR VEHICLES WITH WALKER EVANS VELOCITY SHOCKS

### Kit Contents

Description	Part Number	Quantity
FRONT SECONDARY SPRING	0800.300.0300S	2
FRONT MAIN SPRING	1000.300.0300S	2
REAR SECONDARY SPRING	0800.300.0350S	2
REAR MAIN SPRING	1000.300.0300S	2
FRONT SLIDER, 2.0"-3.0"	8001110	2
FRONT X-OVER RING, 2.0"	8001224	2
REAR SLIDER, 2.5"-3.0"	8001064	2
REAR X-OVER RING, 2.5"	8001063	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.

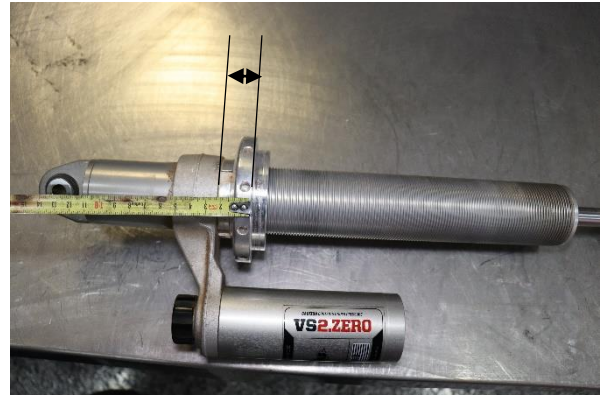


Step 6. Remove OE spring slider.

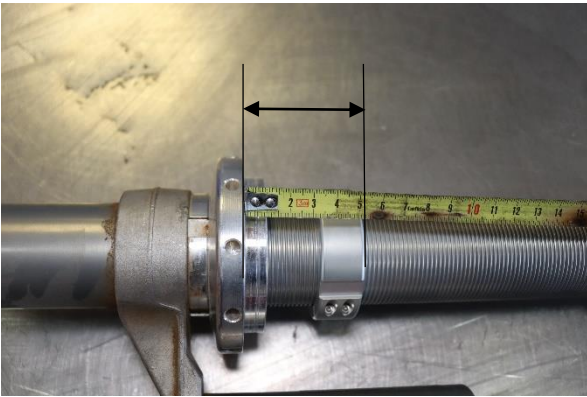
# FRONT INSTALLATION



Step 7. Remove OE secondary spring.



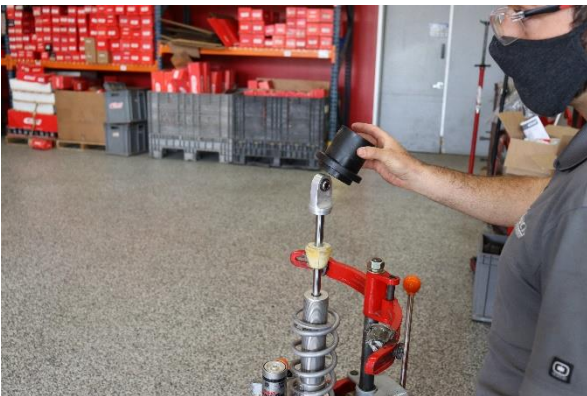
Step 8. Set the preload collar to **25mm (FULL HIGH)** measuring from the base of the reservoir housing to the spring flange.



Step 9. Install the cross-over rings (8001224) and set them at **50mm** measuring from the spring flange to the bottom of the crossover ring.



Step 10. Install the Eibach secondary spring (0800.300.0300S).



Step 11. Install the Eibach spring slider (8001100).



Step 12. Install the Eibach main spring (1000.300.0300S).

## FRONT INSTALLATION



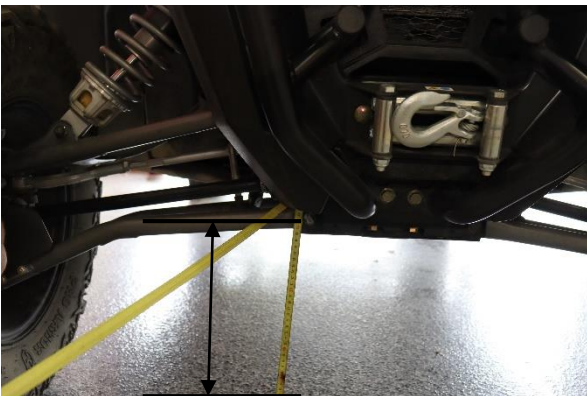
Step 13. Compress the spring assembly and re-install the spring retainer.



Step 14. Reinstall the coil over. Secure the coilover to the upper mount with the OE hardware.



Step 15. Secure the coilover to the control arm with the OE hardware.



Step 16. Measure from the ground to the center of the 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. We recommend setting the ride height at **415mm** 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. Due to the sensitivity of weight on these vehicles, preload may need to be adjusted to get to recommended ride height.**

## REAR INSTALLATION



Step 1. Raise the rear 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.



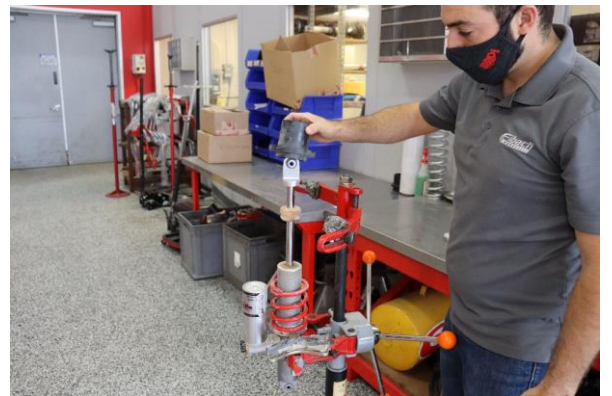
Step 3. Remove the coilover.



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.

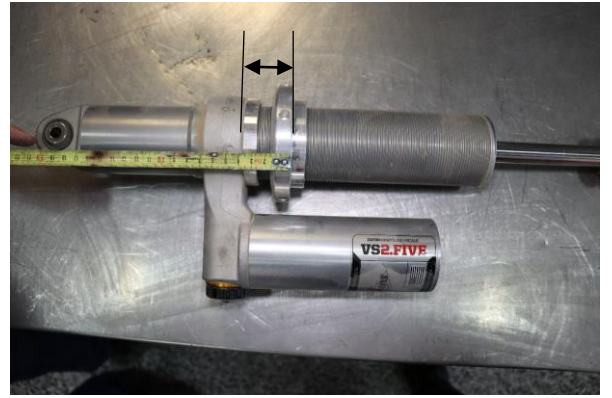


Step 6. Remove OE spring slider.

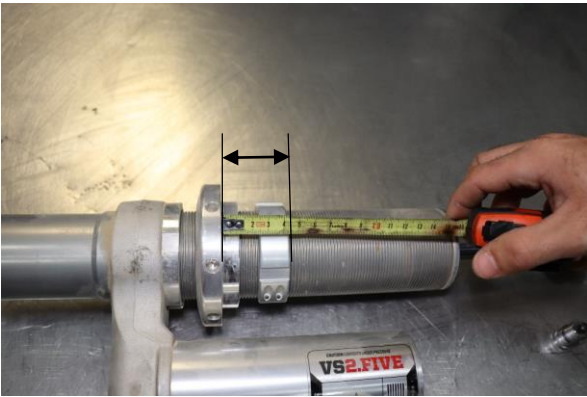
# REAR INSTALLATION



Step 7. Remove OE secondary spring.



Step 8. Set the preload collar to **40mm** measuring from the base of the reservoir housing to the spring flange.



Step 9. Install the cross-over rings (8001063) and set them at **45mm** measuring from the spring flange to the bottom of the crossover ring.



Step 10. Install the Eibach secondary spring (0800.300.0350S).



Step 11. Install the Eibach spring slider (8001064).



Step 12. Install the Eibach main spring (1000.300.0300S).

## REAR INSTALLATION



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



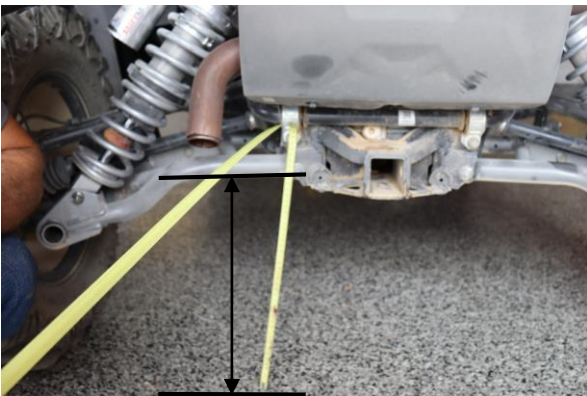
Step 14. Reinstall the coil over.



Step 15. Secure the coilover to the upper mount with the OE hardware.



Step 16. Secure the coilover to the control arm with the OE hardware.



Step 16. Measure from the ground to the center of the 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. We recommend setting the ride height at **400mm** 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. Due to the sensitivity of weight on these vehicles, preload may need to be adjusted to get to recommended ride height.**

### Recommended Compression Settings:

Front: 10 Clicks in from full open (Clockwise)

Rear: 10 Clicks in from full open (Clockwise)