

# Installation Instructions

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## **PRO-UTV #E85-209-001-03-22**

Kit Contents	Description	Part Number	Qty
	Front Main Spring	1000.300.0400S	2
	Front Secondary Spring	0600.300.0350S	2
	Rear Main Spring	1800.300.0300S	2
	Rear Secondary Spring	0800.300.0250S	2
	Rear Crossover Ring	8001063	2
	Rear Slider	8001498	2
	Information Kit	EPAK	1
	Instructions	PRO.UTVINST	1

### **NOTES: Read All Instructions Before Beginning Installation**

- Only qualified technicians 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.

### **RECOMMENDED FRONT SET-UP**

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.**



**Photo 1**



**Photo 2**



**Photo 3**

2. Loosen and remove the hardware that secures the coilover to the upper and lower mount, then, remove the coilover from the vehicle as shown. **(See Photos 1, 2 & 3)**



Photo 4



Photo 7



Photo 5

3. Use a screw driver to slide the bump stop upwards away from the spring retainer, then, fully loose the preload collar as shown. (See Photos 4 & 5)



Photo 8



Photo 6



Photo 9

4. Press firmly downward on the spring retainer, then, remove the retainer, main spring, slider and secondary spring as shown. (See Photos 6, 7, 8 & 9)





Photo 10



Photo 11



Photo 12

5. You can now install the secondary spring, OE slider, and main spring as shown (See Photos 10, 11 & 12)



Photo 13



Photo 14

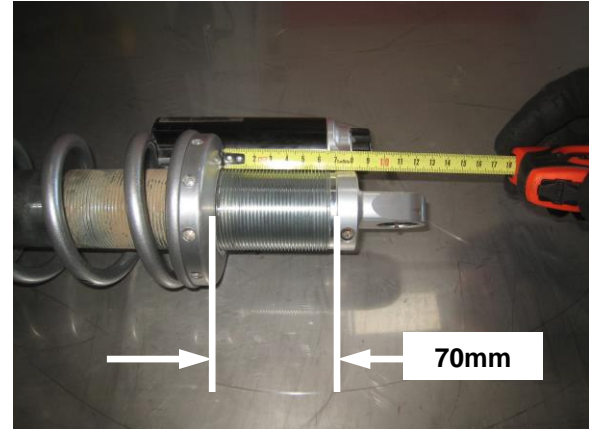


Photo 15

6. Install the OE retainer, then, adjust and set the preload to 70mm as shown. (See Photos 13, 14 & 15)



**Photo 16**



**Photo 17**



**Photo 18**

7. You can now reinstall the coilover using the factory hardware. **(See Photos 16, 17 & 18)**
8. Repeat the process on the opposite side, then, set the vehicle on the ground, making sure it's fully settled.



**Photo 19**

9. You can now adjust the upper preload collar to adjust the ride height. The recommended preload measurement in **Step 6 Photo 15** 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 as shown. **(See Photo 19)**

### **RECOMMENDED REAR SET-UP**

1. Raise the rear of the vehicle until the wheels are off the ground and the suspension is fully unloaded. **Note: Never work on or under a vehicle that is not supported by the proper safety equipment.**



**Photo 20**

2. Using the height adjustment tool, adjust the preload collar upwards until there is no preload on the spring. **(See Photo 20)**





**Photo 21**

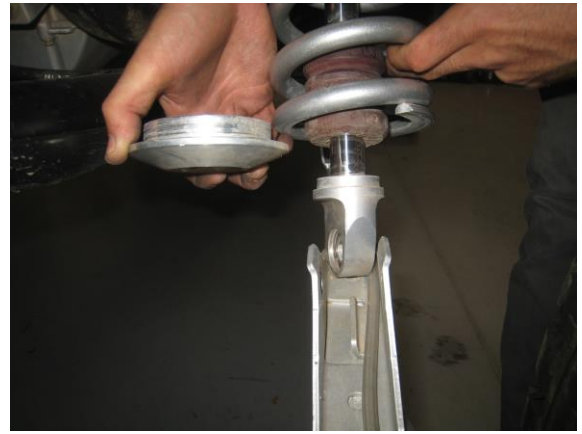


**Photo 22**

3. Loosen and remove the lower shock mount hardware, then, slide the lower shock mount clear of the mount. (See Photos 21 & 22)

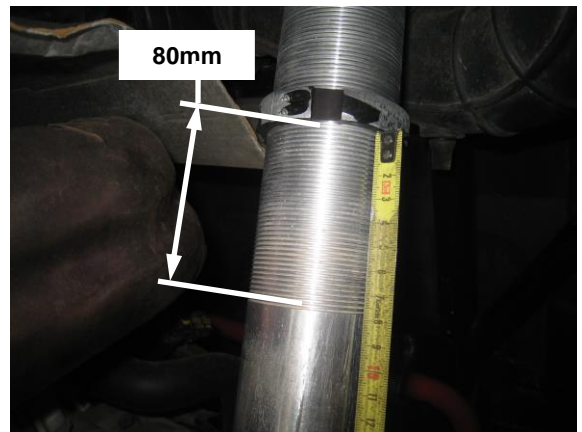


**Photo 23**



**Photo 24**

4. Slide the OE bump stop, and spring upwards, then, remove the dust cover and spring seat. (See Photos 23 & 24)
5. You can now slide the OE springs and slider off the bottom of the coilover.



**Photo 25**

6. Install the crossover ring approximately 80mm from the bottom of the coilover threads, but do not tighten at this time. (See Photo 25)



**Photo 26**

7. Slide the secondary spring and slider onto the bottom of the coilover. (See Photo 26)



**Photo 27**

8. Slide the primary spring onto the coilover. (See Photo 27)



**Photo 28**



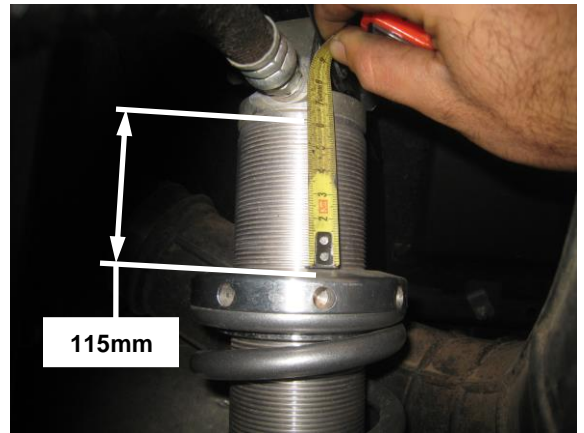
**Photo 29**

9. Slide the lower spring perch and dust cover onto the bottom of the coilover. (See Photos 28 & 29)



**Photo 30**

10. Secure the coilover to the lower mount using the OE hardware. (See Photo 30)



**Photo 31**

11. Adjust the preload collar to 115mm from the top of the threads to the top of the spring seat.. (See Photo 31)
12. Repeat this procedure on the opposite side, then, set the vehicle on the ground, and roll it back and forth to make sure it's fully settled.



**Photo 32**

13. With the vehicle on the ground and fully settled, adjust the crossover ring so that there is 50mm from the bottom of the crossover ring, to the top of the slider. (See Photo 32)



**Photo 33**

10. You can now adjust the upper preload collar to adjust the ride height. The recommended preload measurement in **Step 11 Photo 31** will get the vehicle close to the recommended ride height but each vehicle may vary some. We recommend setting the ride height at **381mm** measuring from the ground to the center of the lower control arm bolt as shown. (**See Photo 33**)

## **RECOMMENDED FRONT AND REAR SHOCK SETTINGS**

- **Front: 6 clicks in from fully open.**
- **Rear: 6 clicks in from fully open.**

**Note:** These are the recommended shock settings that we tested using the spring rates provided in this kit