

Installation Instructions

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PRO COILOVER 2.0 #E86-23-032-01-20

Kit Contents	Description	Part Number	Quantity
	Coilover Assembly 2..0	38167.9003	2
	Height Adjustment Tool	PDK.TOOL	1
Tools Required	15mm wrench and socket	18mm wrench and socket	17mm wrench
	10mm socket	24mm socket	Small flat blade screwdriver
			Vice Grips or Pliers

Warning: These trucks came from the factory with one of three upper control arms; stamped steel, forged steel, or forged aluminum. For vehicles equipped with the stamped steel upper arms it is highly recommended that the stamped arms be replaced with either the factory forged aluminum arm or an aftermarket upgraded control arm. Failure to do so can lead to failure of the stock stamped steel upper control arms over time.

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.

Installation



Step 1



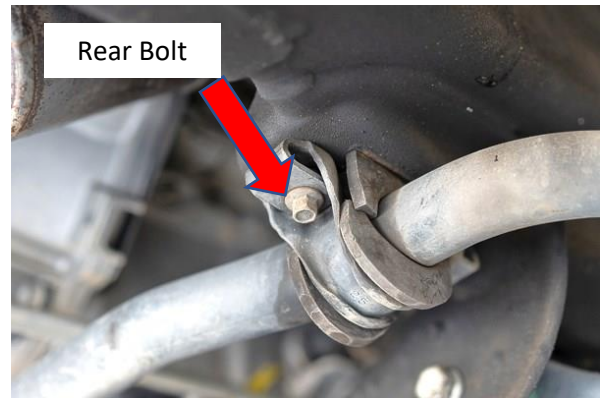
Step 2

- Step 1. Hold the end link bolt with a 15mm socket.
- Step 2. Loosen and remove the upper end link hex nut with a 15mm wrench.



Step 3

Step 3. Remove the end link assembly being sure to note the orientation of the bushings and hardware.



Step 4

Step 4. Loosen and remove the left and right side bushing bracket hardware using a 10mm socket.



Step 5

Step 5. Loosen and remove the left and right side bushing bracket hardware using a 10mm socket.



Step 6

Step 6. Remove the sway bar making sure to note the orientation of the OE bar. You can also at this point mark the top of the sway bar so you know how it goes back in for re-installation.



Step 7

Step 7. Hold the rear lower control arm bolt with an 18mm socket.



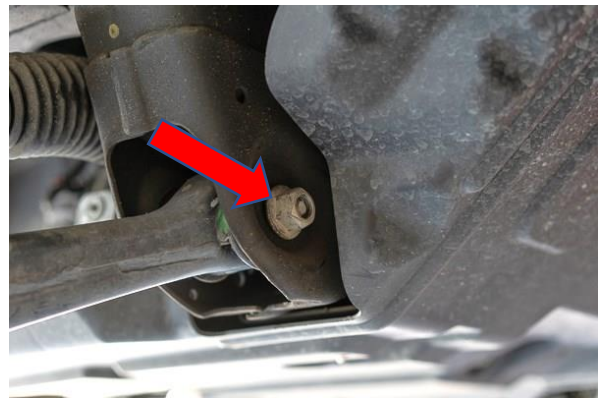
Step 8

Step 8. Remove the rear lower control arm nut with a 24mm socket, then, remove the control arm bolt.



Step 9

Step 9. Hold the forward control arm bolt with an 18mm socket.



Step 10

Step 10. Loosen and remove the forward lower control arm nut with a 24mm socket.



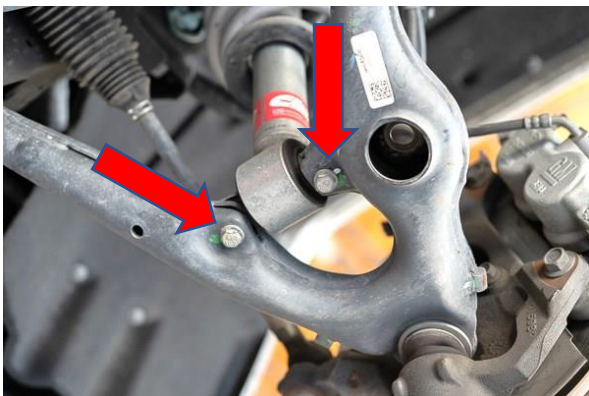
Step 11

Step 11. Remove the washer taking note of the orientation as it will need to be re-installed in the same orientation.



Step 12

Step 12. Remove the forward lower control arm bolt. Note: The control arm will not fall as the hardware that secures the shock to the control arm will keep it from swinging down.



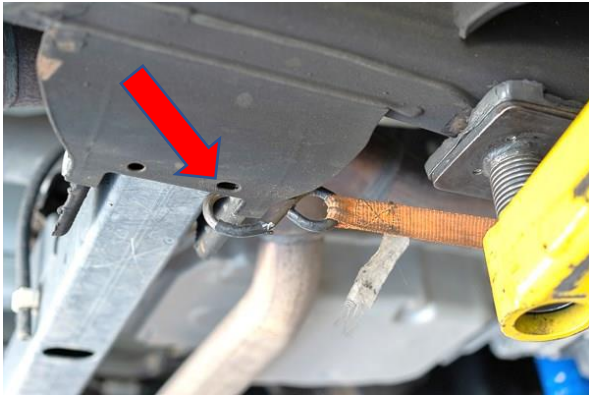
Step 13

Step 13. Now remove the 2x 15mm bolts from the lower shock pin to the control arm. Be careful when pulling the last bolt out as the arm may want to fall now.



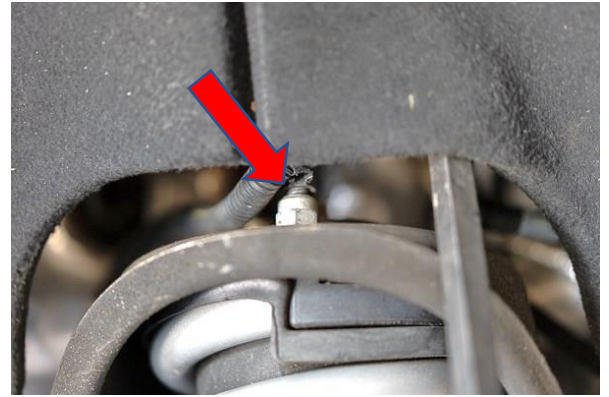
Step 14

Step 14. Use a strap to secure the control arm pulling it out of the way to make room for the removal of the OE assembly.



Step 15

Step 15. Secure other end of strap to a suitable place like the frame.



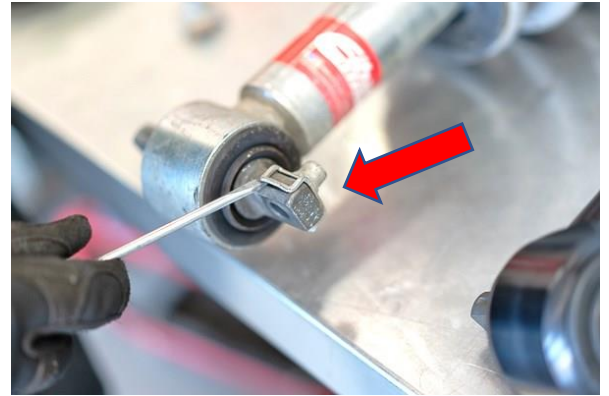
Step 16

Step 16. Remove the 3x 18mm bolts from the shock top hat



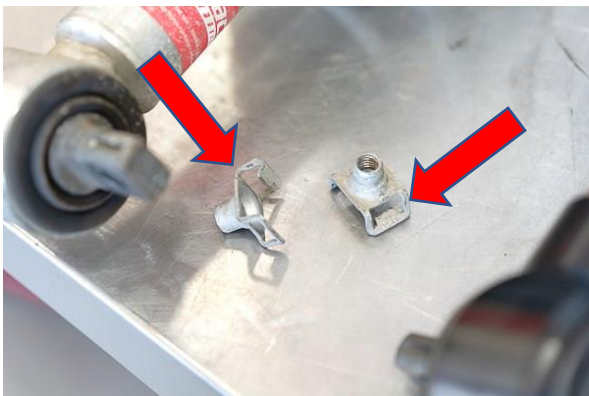
Step 17

Step 17. Remove the OE shock assembly.



Step 18

Step 18. Remove the OE clip nuts from the lower shock mount



Step 19

Step 19. Lower clip nuts removed.



Step 20

Step 20. Install the OE clip nuts onto the lower coilover mount.



Step 21

Step 21. OE clip nuts shown installed on lower coilover mount.



Step 22

Step 22. Install the Eibach coilover into the vehicle.



Step 23

Step 23. Secure the upper coilover mount to the frame mount with the provided hardware and hand tighten the nuts. Do not tighten at this time.



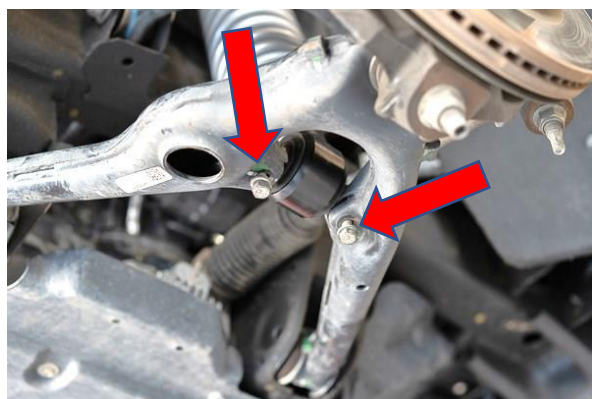
Step 24

Step 24. Re-position the lower control arm but do not insert the hardware.



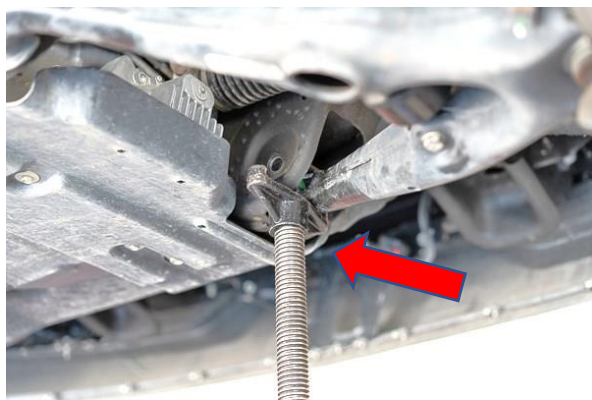
Step 25

Step 25. Line up the lower coilover mount with the lower control arm.



Step 26

Step 26. Secure the lower coilover mount to the lower control arm with the OE hardware and torque to 37 ft-lbs.



Step 27

Step 27. Use a screw jack to line up the forward control arm leg with the frame.



Step 28

Step 28. Install the forward lower control arm bolt.



Step 29

Step 29. Use a screw jack to line up the rearward control arm leg with the frame.



Step 30

Step 30. Install the rearward lower control arm bolt.



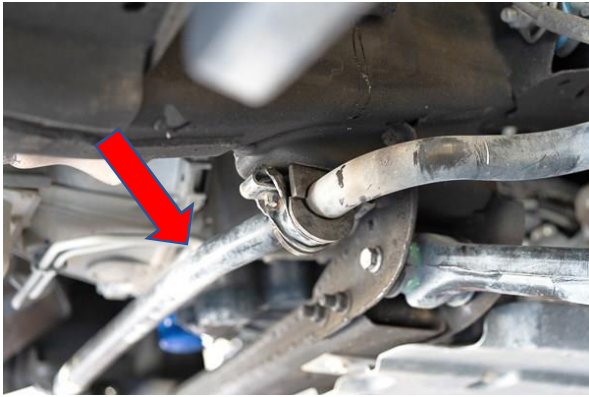
Step 31

Step 31. Re-install the OE washer in the original orientation specified in the removal in step 11.



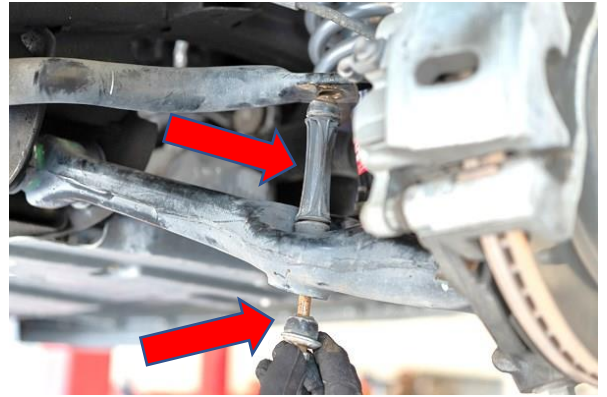
Step 32

Step 32. Secure the lower control arm with the OE hex nuts and torque to 129 ft-lbs.



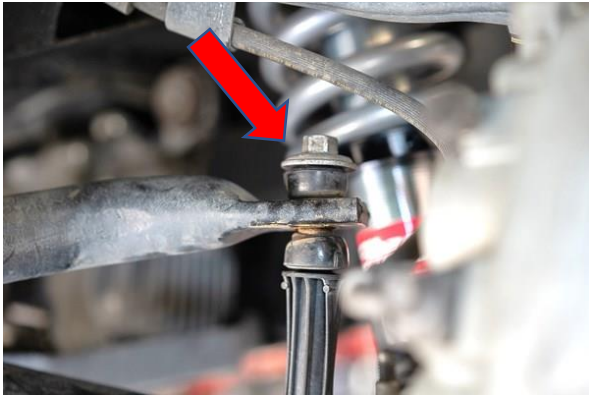
Step 33

Step 33. Re-install the OE anti-roll bar in the original orientation.



Step 34

Step 34. Re-install the OE end link in the OE orientation.



Step 35

Step 35. Loosely secure the end link with the OE nut.



Step 36

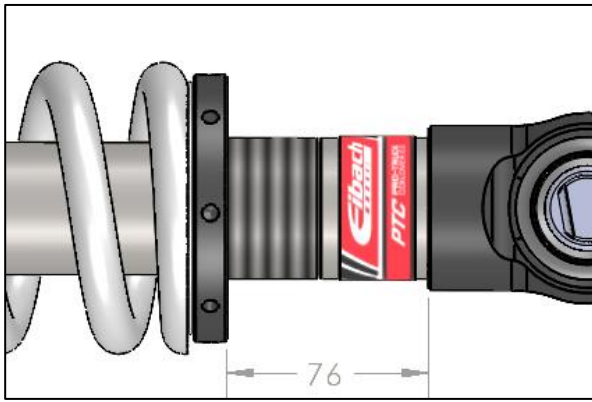
Step 36. Torque the OE end link nut to 17 ft-lbs.



Step 37

Step 37. Torque the upper coilover hex nuts to 35 ft-lbs.

Step 38. Doublecheck to make sure everything is properly positioned and tightened, then, road test the vehicle and retighten if necessary.



Not: Do **NOT** go above a spring perch height of 76mm or else damage to the shock and suspension will occur.
