

Installation Instructions

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PRO TRUCK COILOVER E86-82-071-01-20

Kit Contents

Description	Part Number	Quantity
Coilover Assembly 2.0	82117.9003	2
Height Adjustment Tool	ETCO 2.0	1

Tools Required

-10mm wrench or socket	-For stock lug nuts it's a 21mm socket	-2 Hammers
-12mm wrench or socket	-2 new cotter pins	-Center Punch
-14mm wrench and socket	-3/8" torque wrench	-Pry bar (ours is about 30 inches not including the handle)
-17mm socket	-1/2" torque wrench	-A pull strap or zip ties to strap the knuckle to the chassis
-19mm wrench and socket	-Dike cutters	

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.

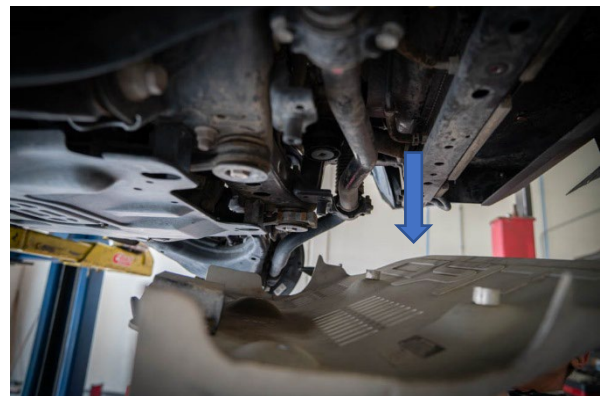
Never work on or under a vehicle unless it is properly supported.

Installation



Step 1

Step 1. Loosen and remove 4x 14mm bolts for under tray



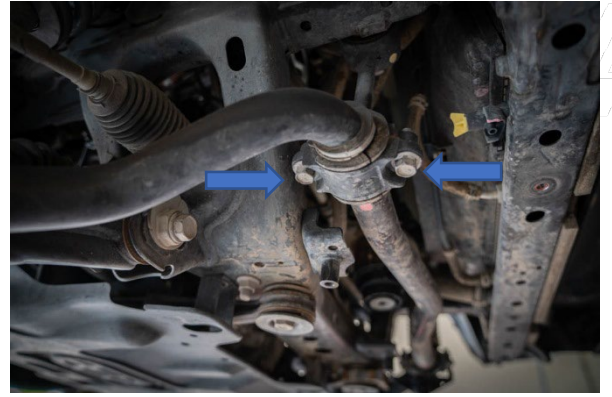
Step 2

Step 2. Remove tray



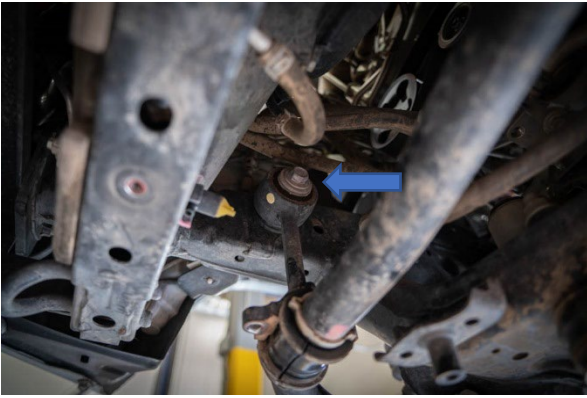
Step 3

Step 3. Place jack under sway bar on driver side



Step 3b

Step 3b. Remove 2x 17mm bolts only on passenger side of vehicle.



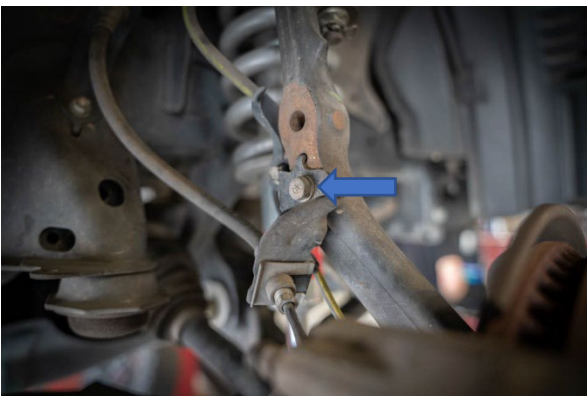
Step 4

Step 4. Loosen 19mm bolt until arm swings freely. (Makes installation easier)



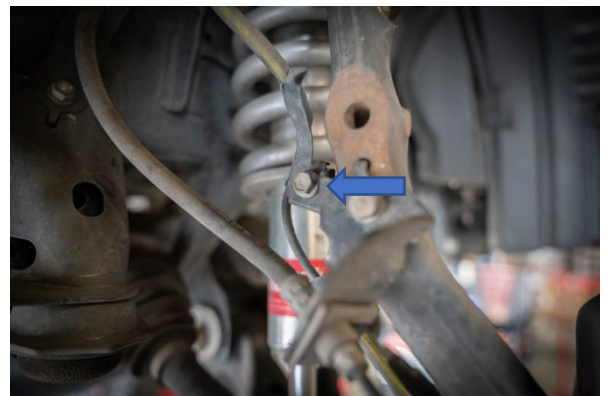
Step 5

Step 5. Lower jack.



Step 6

Step 6. Loosen and remove 12mm bolt for brake line bracket to knuckle (pull bracket away from knuckle as gently as possible as to not bend the hard line)



Step 7

Step 7. Loosen and remove 10mm bolt for abs bracket



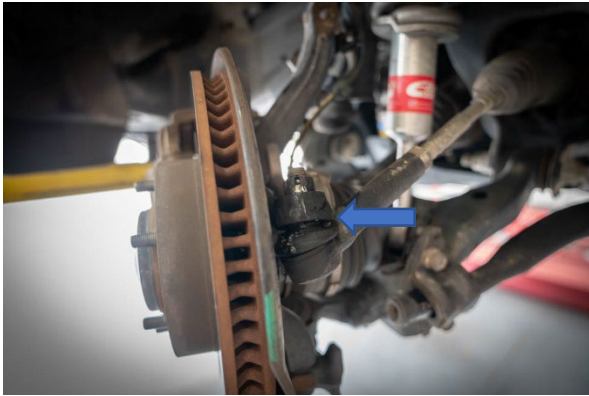
Step 8

Step 8. Loosen and remove 10mm bolt for abs bracket to upper control arm



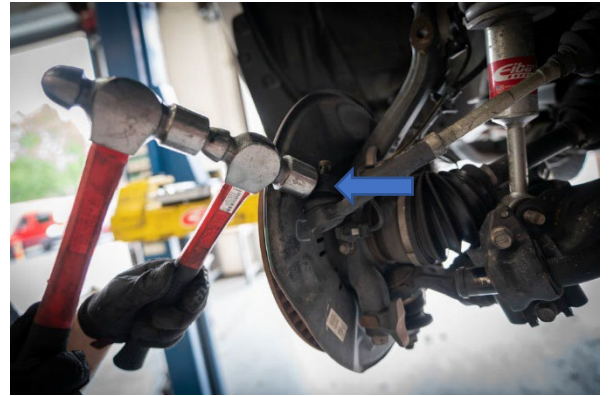
Step 9

Step 9. Remove cotter pin from tie rod



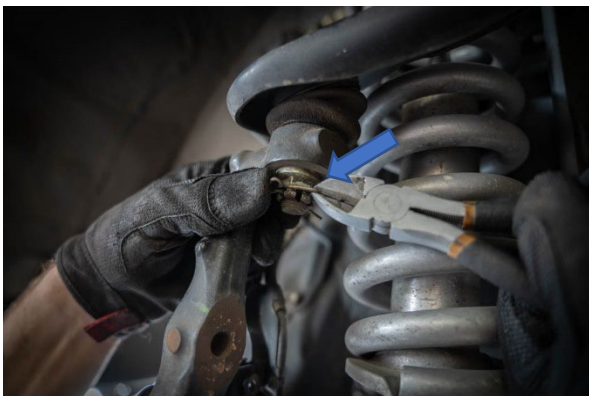
Step 9b

Step 9b. Loosen and remove 19mm nut from tie rod



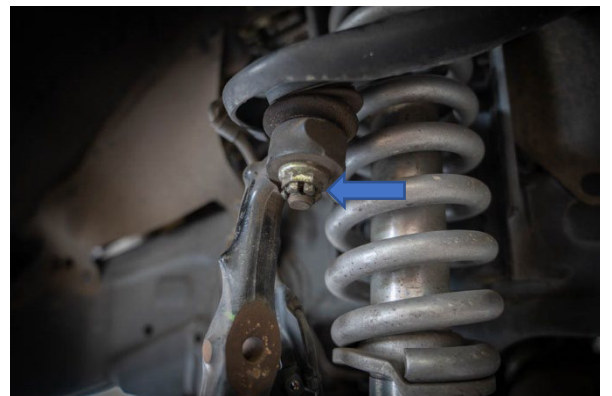
Step 9c

Step 9c. Shock with hammer in order for the tie rod to fall



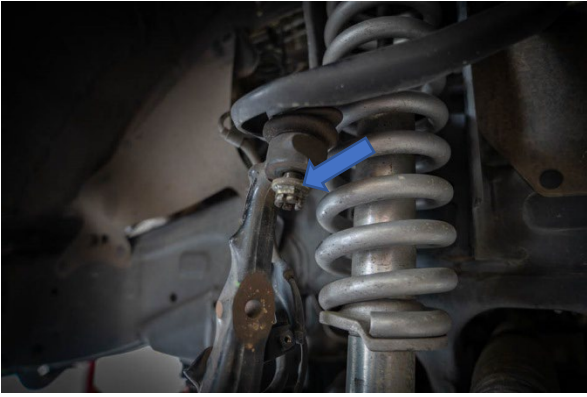
Step 10

Step 10. Remove cotter pin from upper ball joint



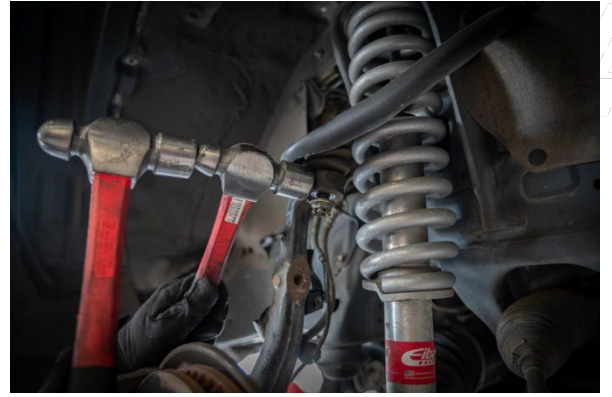
Step 10b

Step 10b. Loosen the 19mm nut for upper ball joint a couple turns but do not remove at this time.



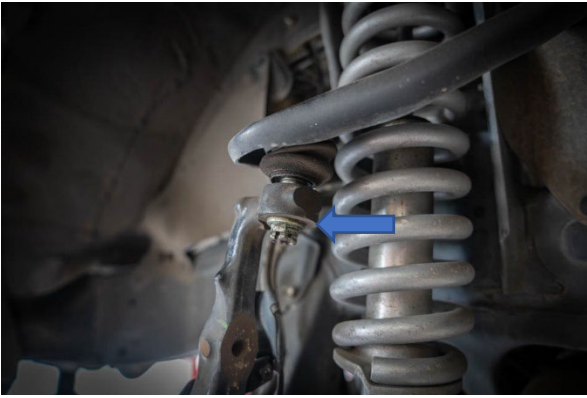
Step 10c

Step 10c. Shown example



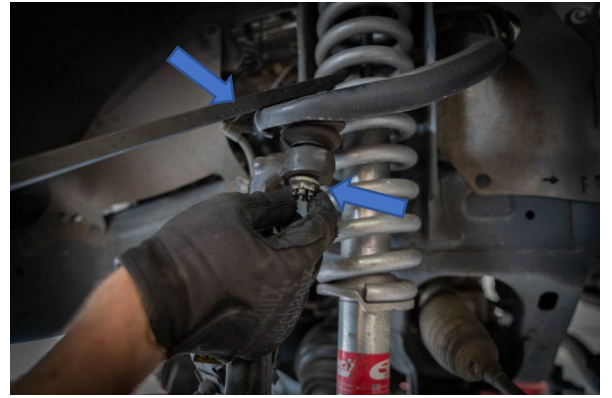
Step 10d

Step 10d. Shock with a hammer in order for ball joint taper to release.



Step 10e

Step 10e. Note gap between nut and knuckle is gone.



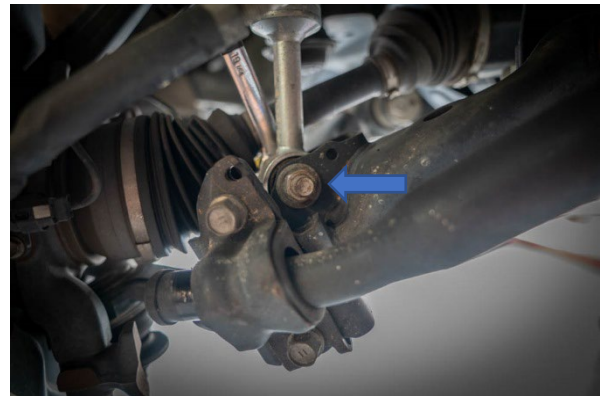
Step 10f

Step 10f. Pry down on control arm and remove 19mm nut



Step 10g

Step 10g. Support knuckle to chassis with a strap so lower control arm doesn't fall



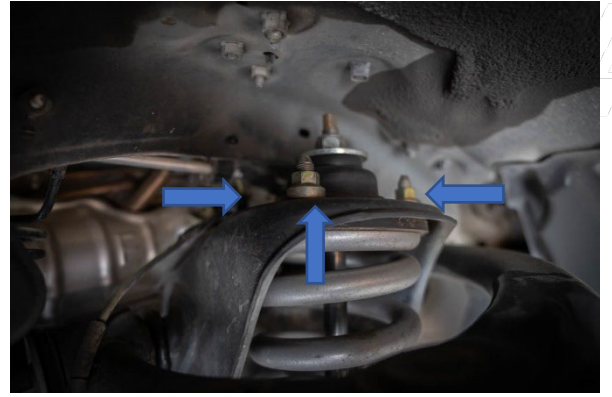
Step 11

Step 11. Remove 19mm shock nut on front side



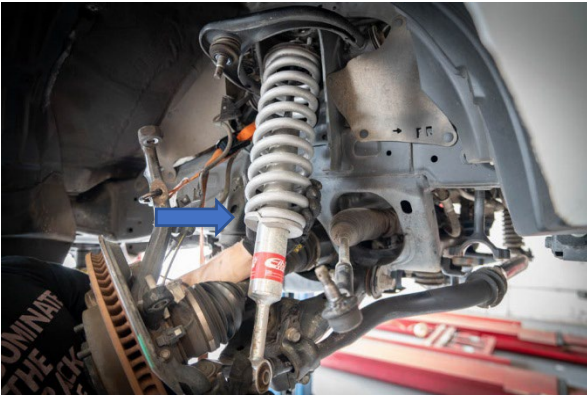
Step 11b

Step 11b. Using a center punch, tap bolt out ensuring the thread of the bolt is not mushroomed.



Step 12

Step 12. Loosen and remove 3x 14mm nuts from shock top hat



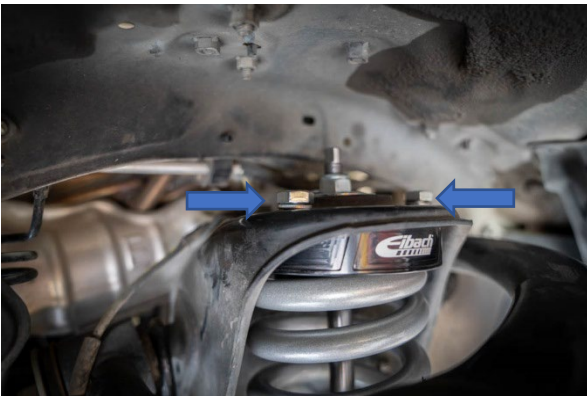
Step 13

Step 13. Remove shock



Step 14

Step 14. Install new Eibach coil over shock



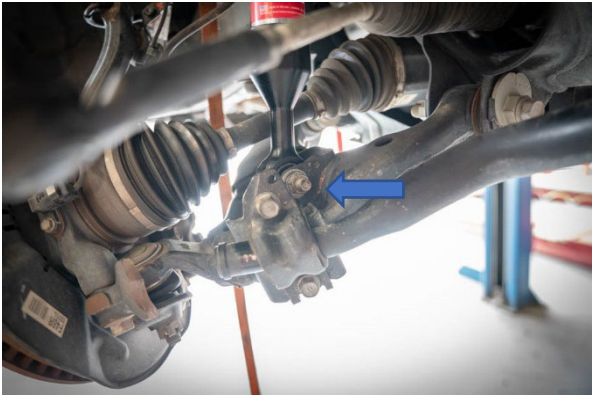
Step 15

Step 15. Install 3x flange nuts to top hat on shock torque to (35 ft-lb)



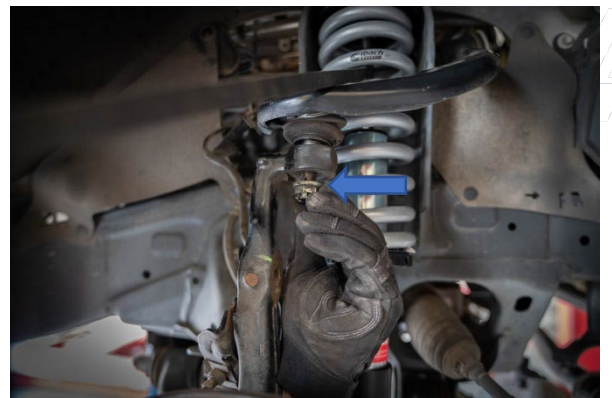
Step 16

Step 16. Install lower shock bolt



Step 17

Step 17. Insert OEM shock washer, thread 19mm nut on and tighten to (70 ft-lb)



Step 18

Step 18. Pry down on the upper control arm and align knuckle to insert upper ball joint and thread on the 19mm nut



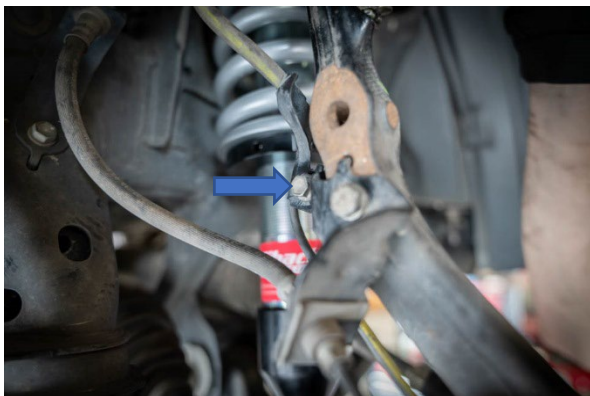
Step 18b

Step 18b. Tighten 19mm nut for upper ball joint to (82 ft-lb) and insert cotter pin



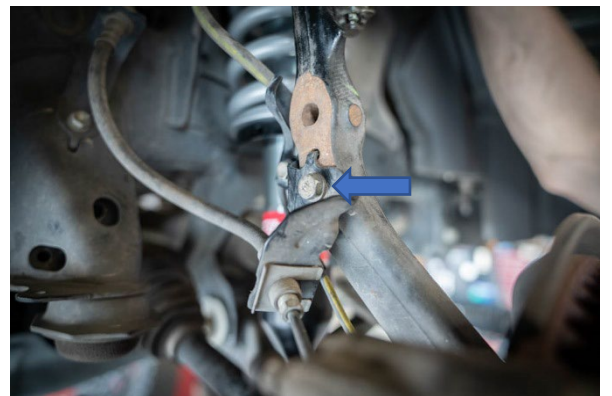
Step 19

Step 19. Install 19mm nut on tie rod and torque to (67 ft-lb) then insert new cotter pin



Step 20

Step 20. Install 10mm bolt for abs line.



Step 21

Step 21. Install 12mm bolt for brake line.



Step 22

Step 22. Install 10mm bolt for abs line on upper control arm.



Step 23

Step 23. Jack up driver side of sway bar.



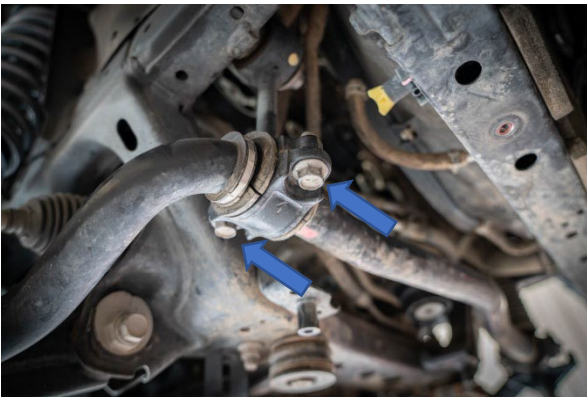
Step 24

Step 24. Line up sway bar link.



Step 24b

Step 24b. Install end link cap with arrow facing toward front of vehicle.



Step 24c

Step 24c. Tighten 17mm bolts to (35 ft-lb)



Step 25

Step 25. Tighten 19mm bolt to (103 ft-lb)



Step 26

Step 26. Install under tray

Step 26b. Tighten 14 mm bolts to (30 ft-lb)



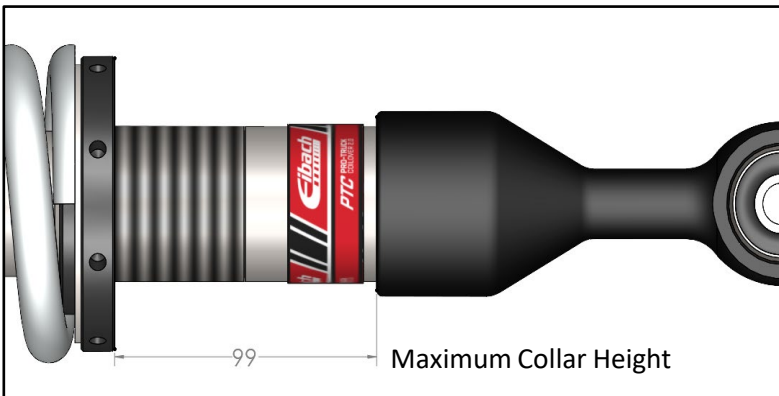
Step 26b



Step 27

Step 27. Torque wheels to (80 ft-lb)

Step 28. Double check and make sure everything is tightened and properly positioned, then, road test the vehicle and retighten if necessary.



Note: Do NOT go above a spring collar height of 99mm from bottom of collar to base, as shown or else damage to the shock and suspension will occur.

Each full turn of the collar will result in approximately 1/8" in change of your ride height.