

# Installation Instructions

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## PRO COILOVER 2.0 #E86-82-007-02-20

### Kit Contents

Description	Part Number	Quantity
Coilover Assembly 2.0	82130.9003	2
Height Adjustment Tool	ETCO 2.0	1

### Tool List

10mm socket or wrench	19mm socket or wrench	Pull straps
12mm socket or wrench	Dike cutters	Zip ties
17mm socket or wrench	2 hammer	3/8" torque wrench
14mm socket or wrench	2 new cotter pins	1/2" torque wrench
21mm socket or wrench	Pry bar	

### 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.

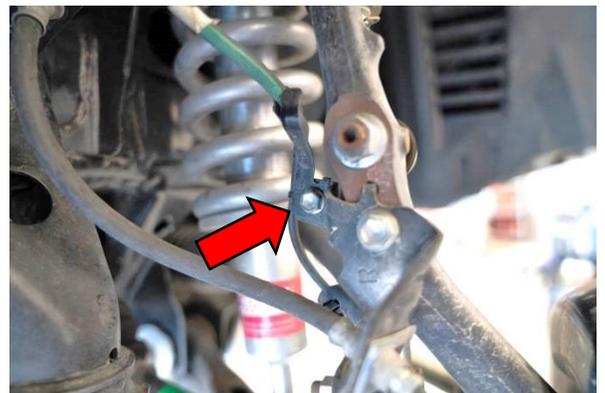
Never work on or under a vehicle unless it is properly supported.

### Installation



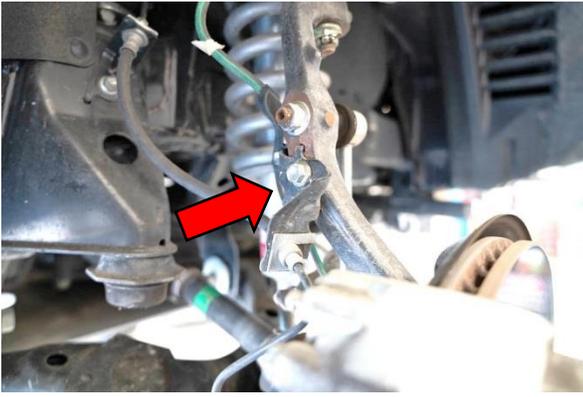
Step 1

Step 1. Remove the 10mm bolt holding the wheel speed sensor to the upper control arm



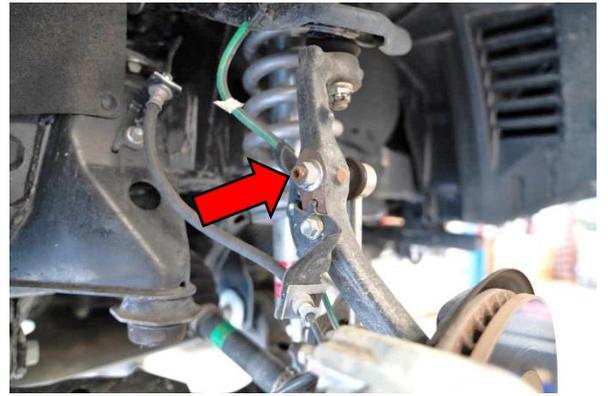
Step 2

Step 2. Remove the 10mm bolt for the wheel speed sensor to the lower brake line bracket



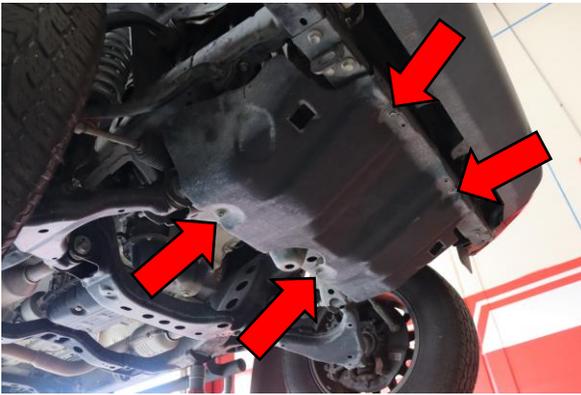
Step 3

Step 3. Remove the 12mm bolt for the brake line bracket. (Being careful NOT to bend the hard line pull the bracket away from the knuckle gently as this gives us just a little extra play so we do not risk stretching the brake line).



Step 4

Step 4. Remove the 17mm attaching the end link to the knuckle (do this on both sides at this time)



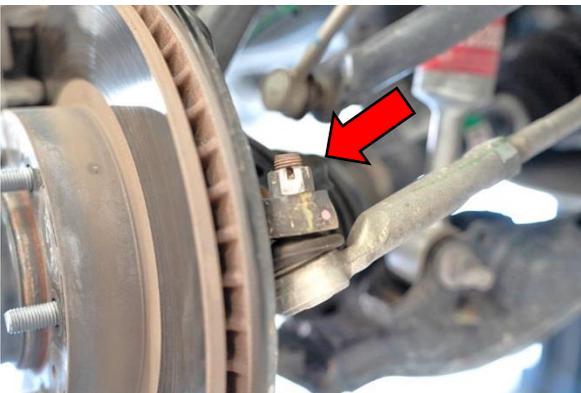
Step 5

Step 5. Remove the 4x 12mm bolts holding on the skid plate



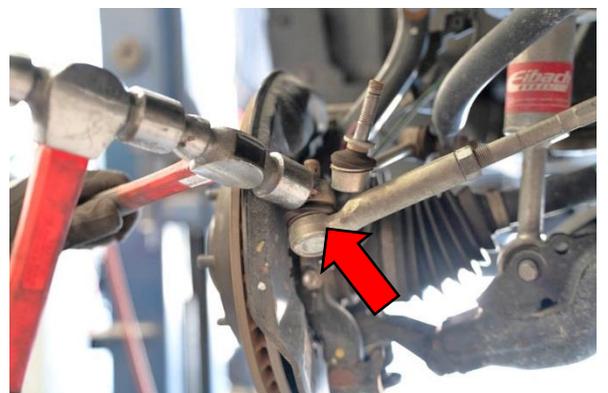
Step 6

Step 6. Remove the 2x 14mm bolts holding on the D-Bracket for the sway bar. (do this on both sides. There are 4x 14mm bolts holding on the whole sway bar.



Step 7

Step 7. Remove the cotter pin, then, loosen and remove the 19mm nut that secures the tie rod to the knuckle.



Step 8

Step 8. Using two hammers, strike the knuckle to release the tie rod taper.



Step 9

Step 9. Remove the OE cotter pin, then, loosen but do not remove the 19mm nut.



Step 10

Step 10. Using two hammers, strike the knuckle to release the taper on the upper ball joint.



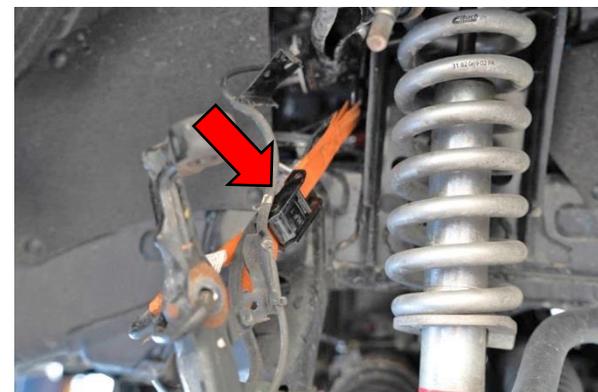
Step 11

Step 11. Pry down on the upper control arm



Step 11b

Step 11b. Remove the nut and release the pressure on the pry bar while holding the knuckle so it doesn't fall.



Step 12

Step 12. Strap the knuckle to the chassis to ensure the lower control arm doesn't fall.



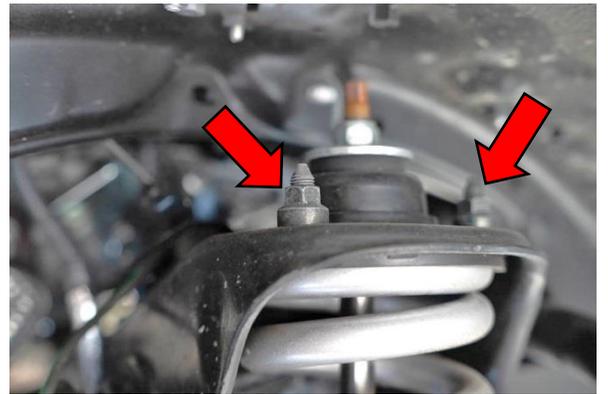
Step 12b

Step 12b. Now zip the sway bar up and out of the way of the front of the shock.



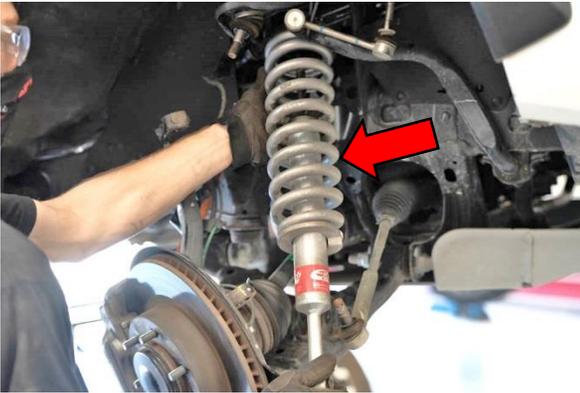
Step 12c

Step 12c. Remove the 19mm nut from the lower shock bolt and remove the bolt.



Step 12d

Step 12d. Remove the 3x 14mm nuts holding the shock to the chassis.



Step 13

Step 13. Remove the old strut assembly



Step 14

Step 14. Install the new coil over.



Step 15

Step 15. Install (hand tight as this will make it easier to install the lower shock bolt) the 3x 17mm bolts and lock washers provided.



Step 16

Step 16. Install the 19mm lower shock bolt.



Step 17

Step 17. Torque the nut to (61 ft-lb)



Step 18

Step 18. Torque the 3x 17mm bolts to (35 ft-lb)



Step 19

Step 19. Pry down on the upper control arm, line up the upper ball joint with the knuckle, and thread on the 19mm nut. Torque to (67 ft-lb if the holes don't line up for the clip tighten it a little more) and re install the cotter clip



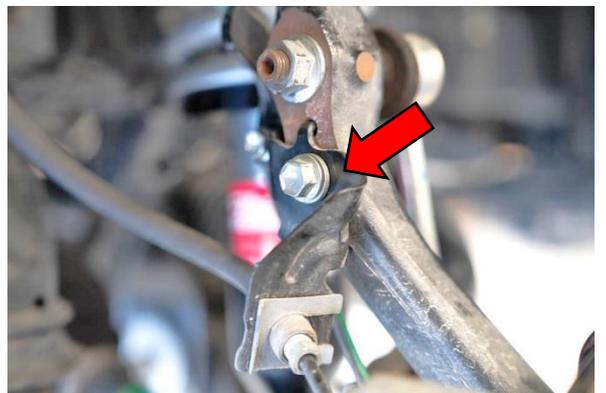
Step 20

Step 20. Re-install the 10mm bolt for the wheel speed sensor to the upper control arm



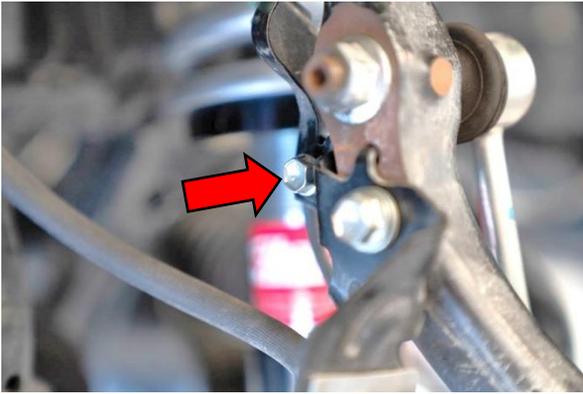
Step 20b

Step 20b. Re-install the sway bar link into the knuckle on both sides and torque the 17mm nut to (52 ft-lb)



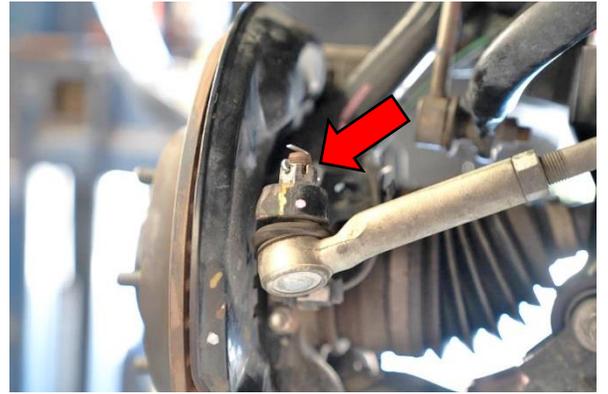
Step 21

Step 21. Re-install the brake line bracket into the knuckle and tighten the 12mm bolt (snug)



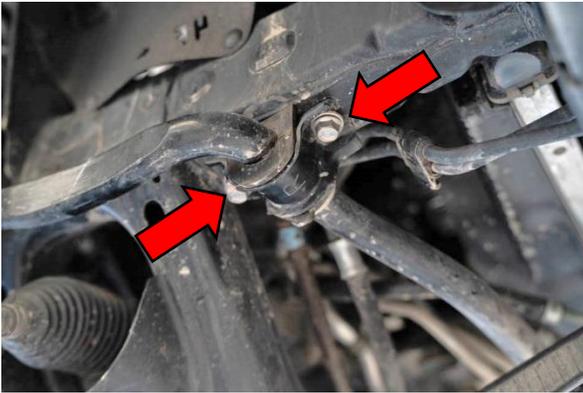
Step 22

Step 22. Re-install the 10mm bolt for the wheel speed sensor to the brake line bracket.



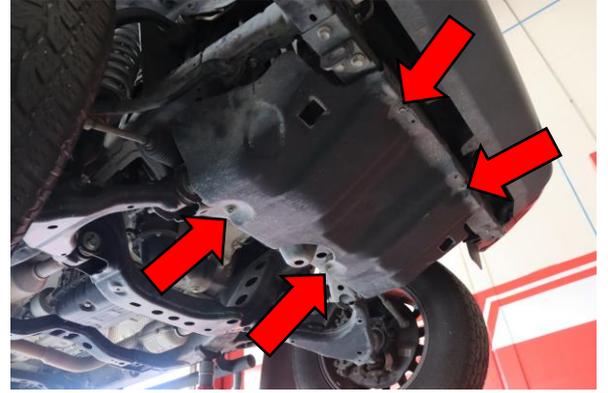
Step 23

Step 23. Re-install the tie rod into the knuckle and torque the 19mm nut to (67 ft-lb), then, re-install the OE cotter pin.



Step 24

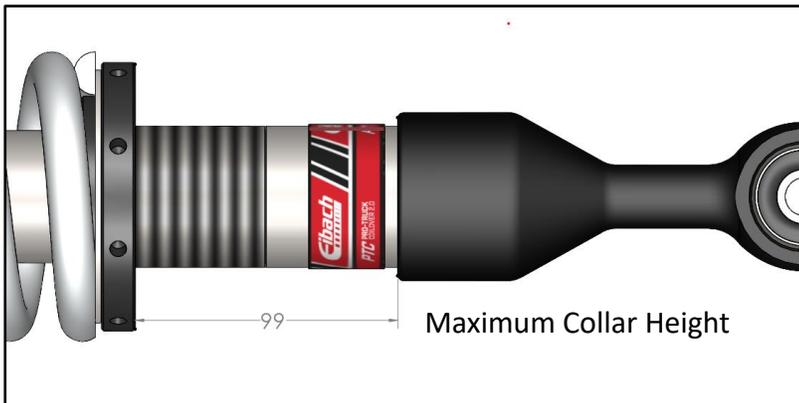
Step 24. Torque the 2x (each side) 14mm bolts for the D-Bracket to (16 ft-lb)



Step 25

Step 25. Re install the skid plate and tighten the 4x 12mm bolts (snug)

Step 26. Double check to make sure everything is properly positioned and tightened, 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.