Installation Instructions

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PRO COILOVER 2.0 #E86-82-007-01-20

Kit Contents

Description	Part Number	Quantity
Coilover Assembly 2.0	82113.9003	2
Anti-Roll Bar Bracket	8001192.1	1
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	

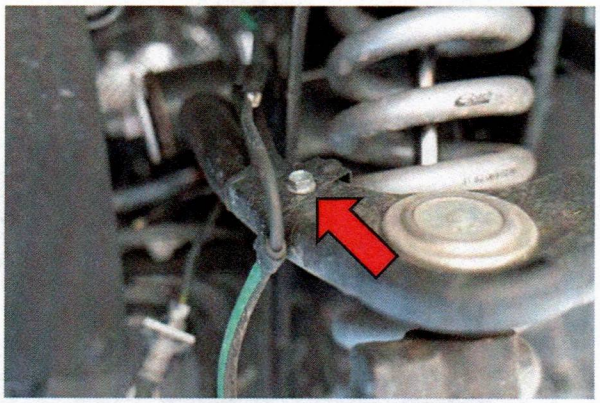
Notes

Read all instructions before beginning installation

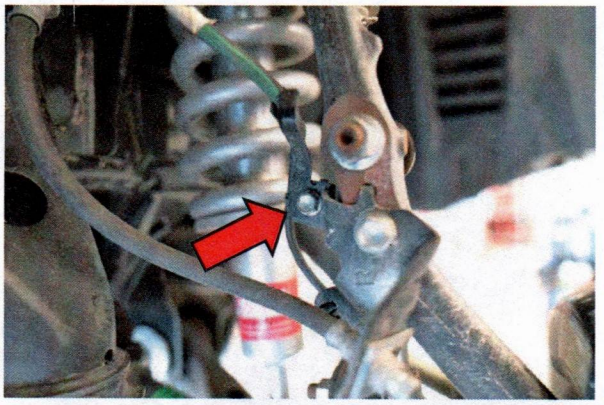
Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.

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

Installation



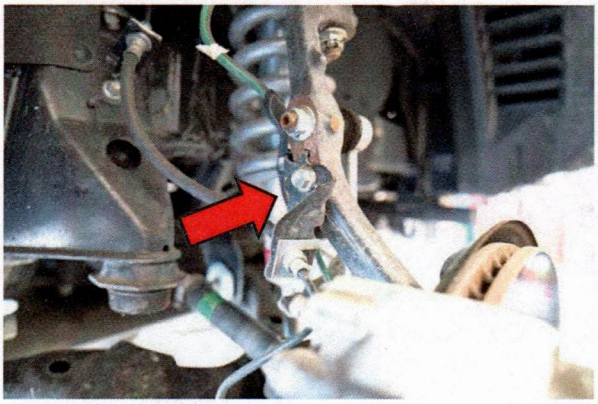
Step 1



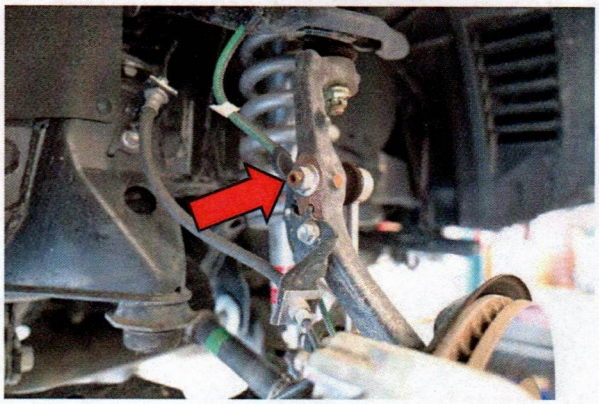
Step 2

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

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



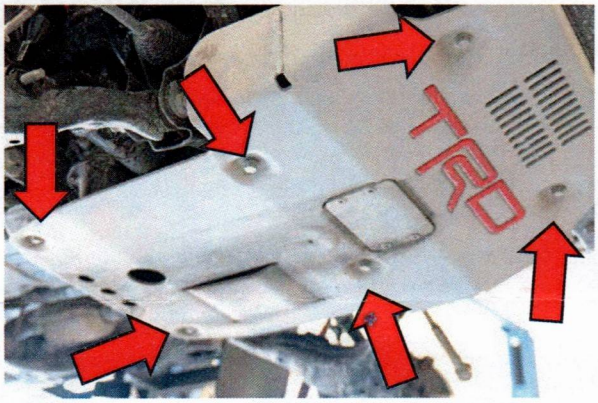
Step 3



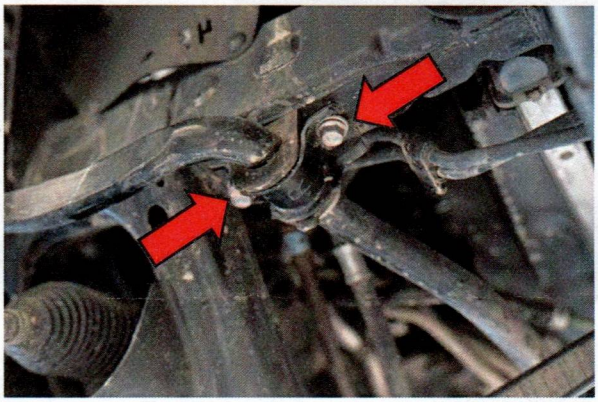
Step 4

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



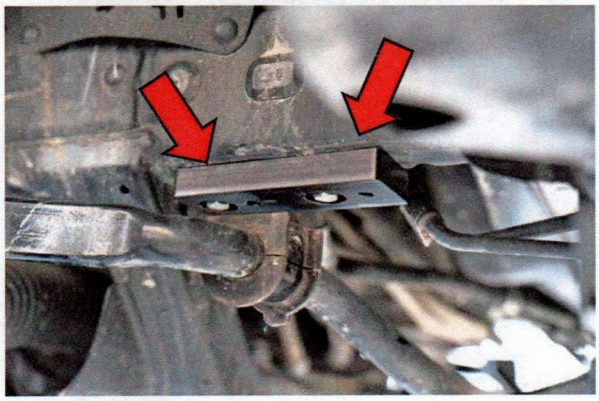
Step 5



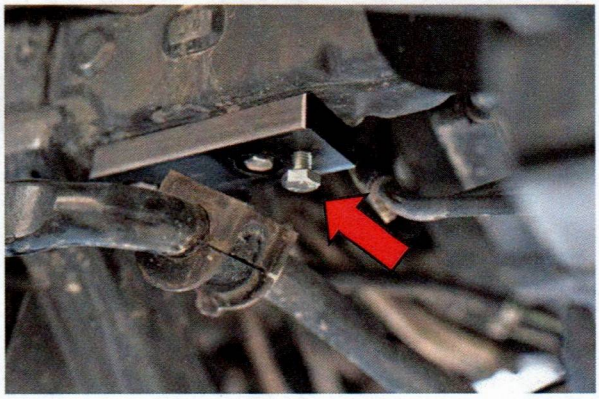
Step 6

Step 5. Remove the 4x 17mm bolts and 2x 12mm bolts holding on the skid plate

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.



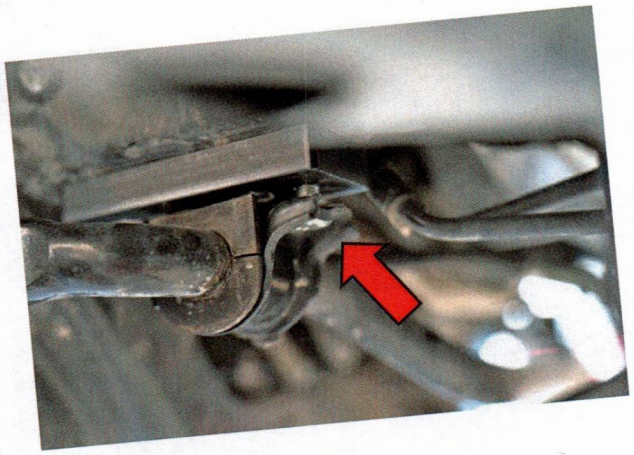
Step 7



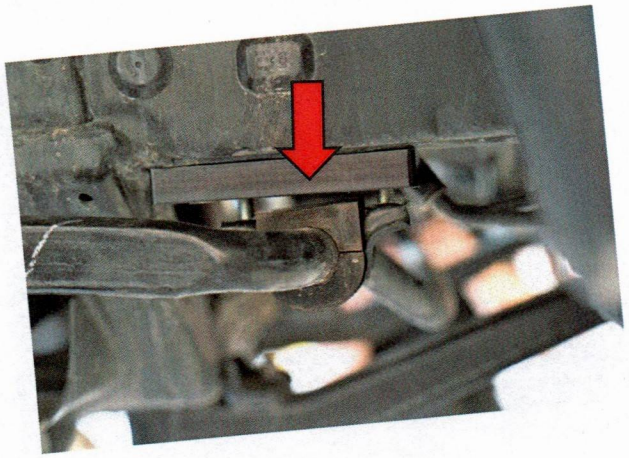
Step 8

Step 7. Install the provided sway bar re-locating block with the 4x 14mm bolts you took off in the previous step and torque to (37 ft-lb)

Step 8. Insert 1 of the 4x 17mm bolts provided onto the front of the block and leave a small gap.



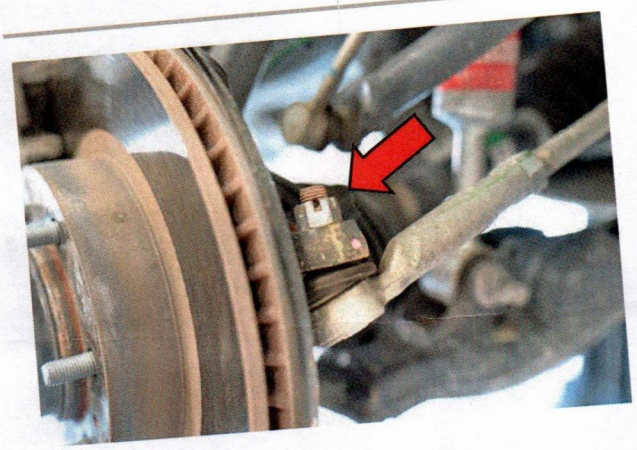
Step 9



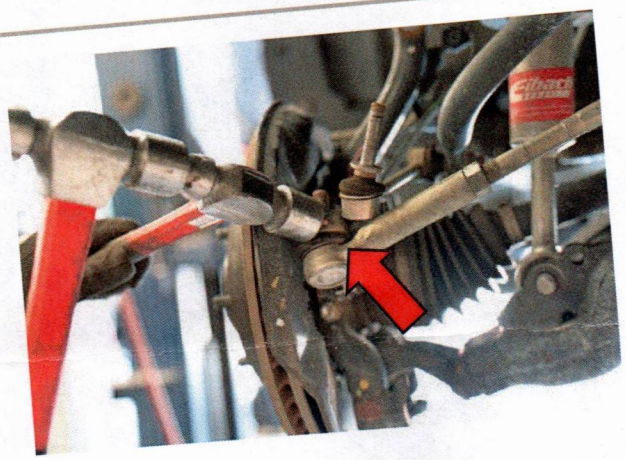
Step 10

Step 9. Now slide the D-Bracket into the space between the bolt head and the block and insert the 2nd 17mm bolt into the back.

Step 10. Leave hand tight for now.



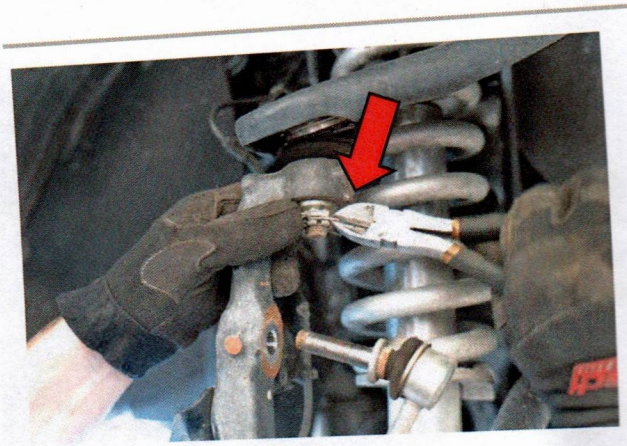
Step 11



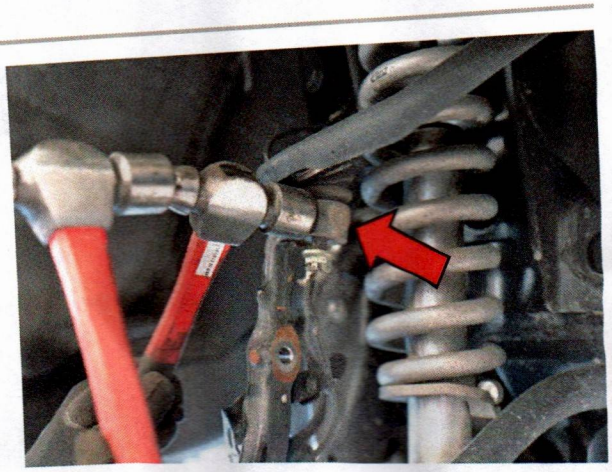
Step 11b

Step 11. Remove the cotter pin, then, loosen and remove the 19mm nut that secures the tie rod to the knuckle.

Step 11b. Using two hammers, strike the knuckle to release the tie rod taper.



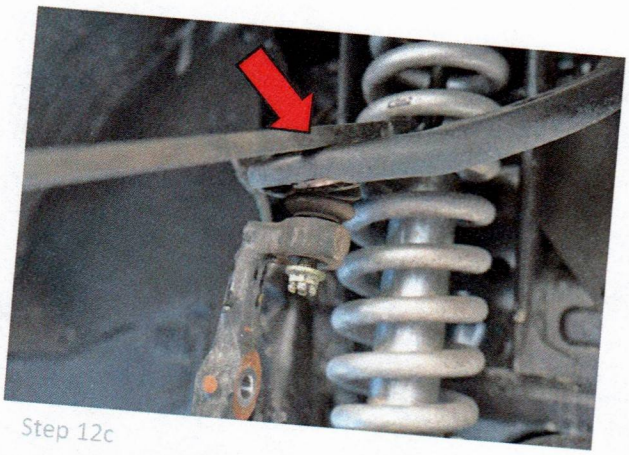
Step 12



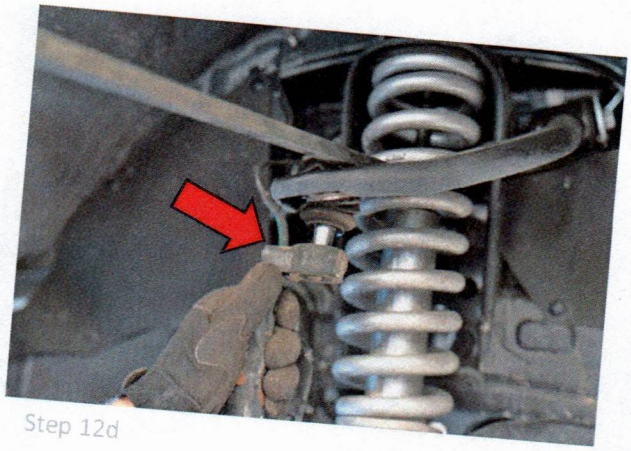
Step 12b

Step 12. Remove the OE cotter pin, then, loosen but do not remove the 19mm nut.

Step 12b. *Using two hammers, strike the knuckle to release the tapper on the upper ball joint.*



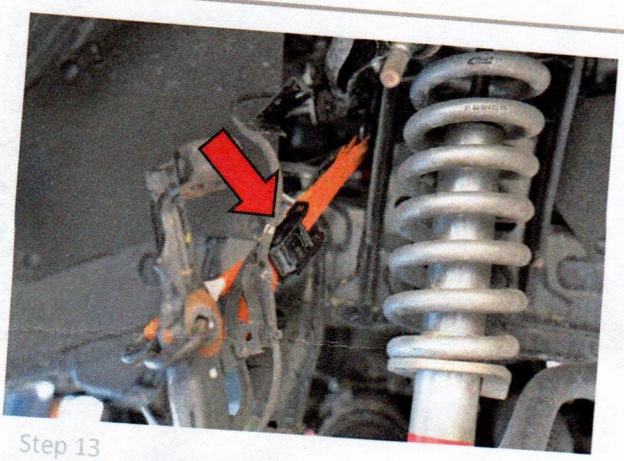
Step 12c



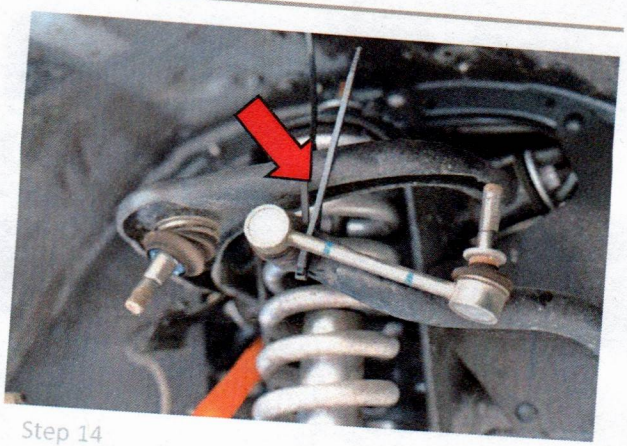
Step 12d

Step 12c. Pry down on the upper control arm

Step 12d. Remove the nut and release the pressure on the pry bar while holding the knuckle so it doesn't fall.



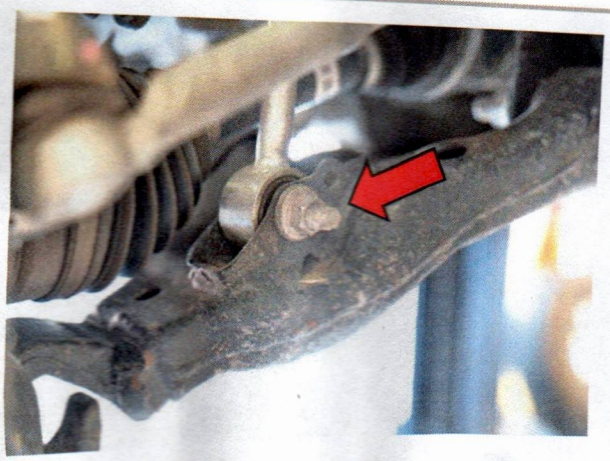
Step 13



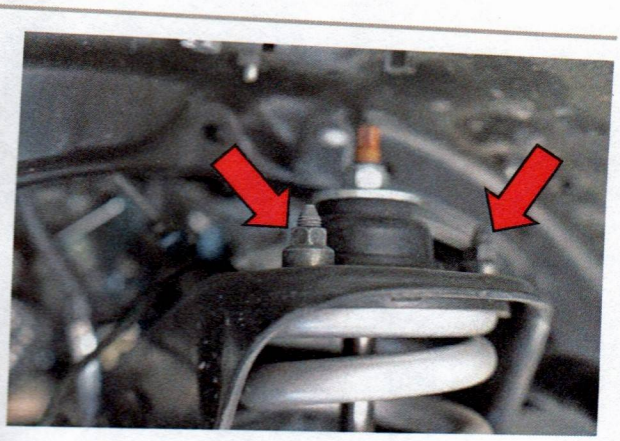
Step 14

Step 13. Strap the knuckle to the chassis to unsure the lower control arm doesn't fall.

Step 14. Now zip the sway bar up and out of the way of the front of the shock.



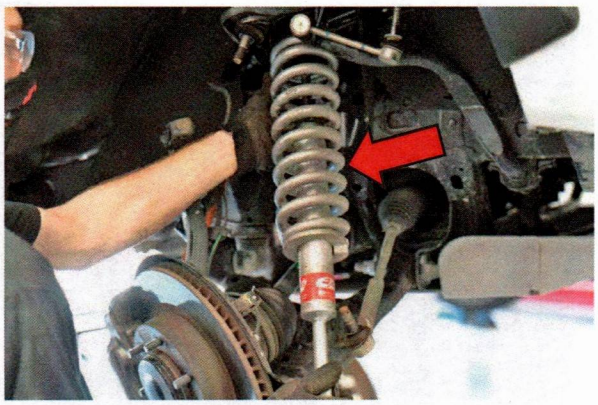
Step 15



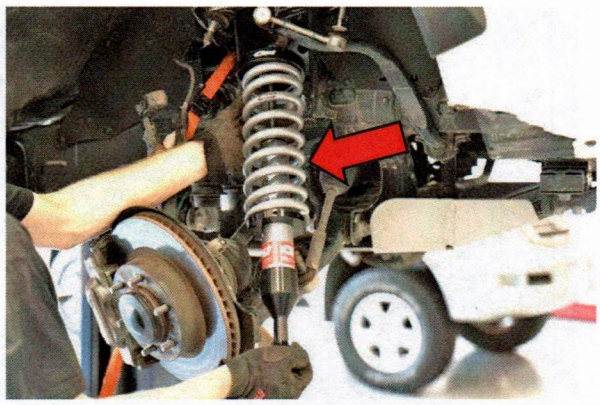
Step 16

Step 15. Remove the 19mm nut from the lower shock bolt and remove the bolt.

Step 16. Remove the 3x 14mm nuts holding the shock to the chassis.



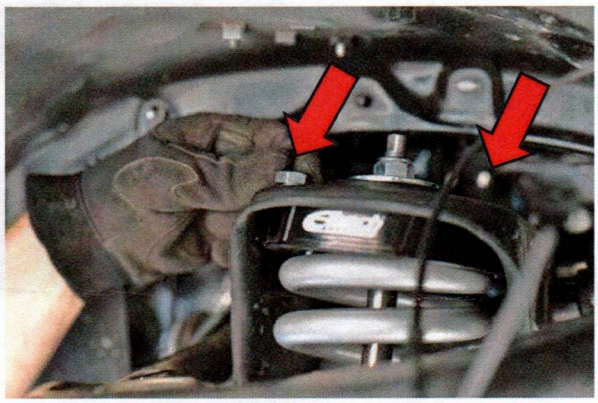
Step 17



Step 18

Step 17. Remove the old strut assembly

Step 18. Install the new coil over.



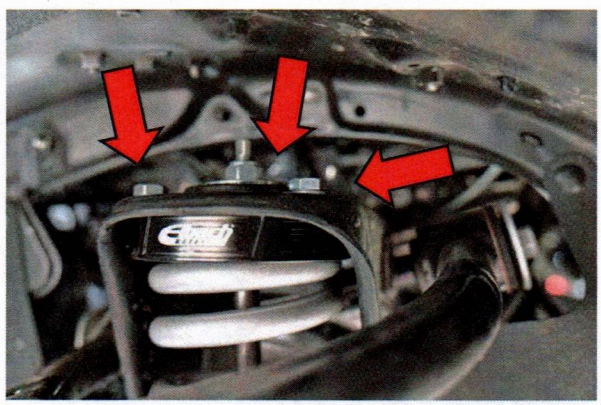
Step 19

Step 20

Step 19. Install (hand tight as this will make it easier to install the lower shock bolt) the 3x flange nuts provided.

Step 20. Install the 19mm lower shock bolt.

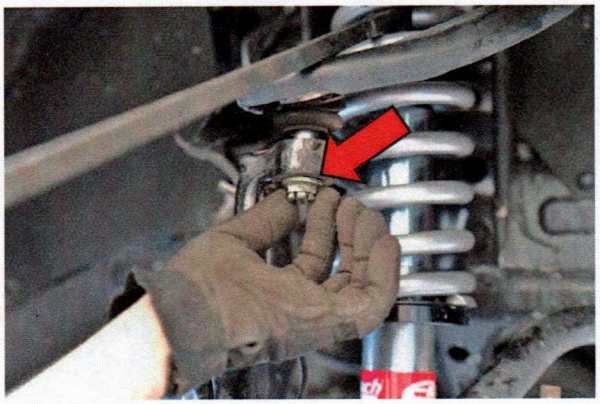
Step 20b



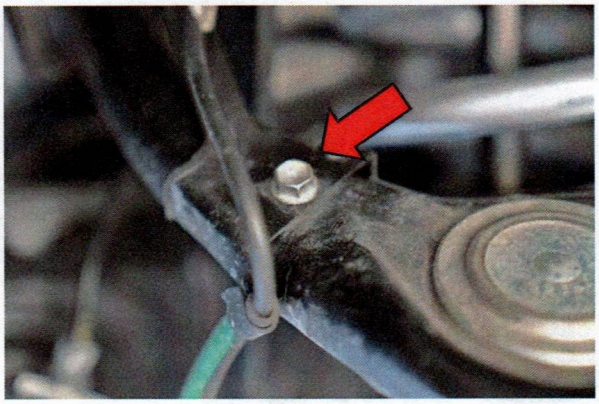
Step 21

Step 20b. Torque the nut to (61 ft-lb)

Step 21. Torque the 3x flange nuts to (35 ft-lb)



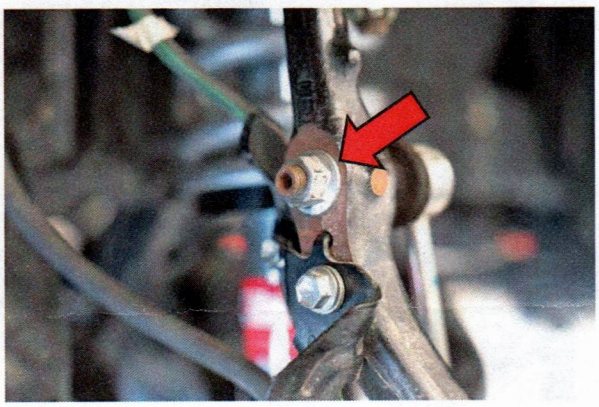
Step 22



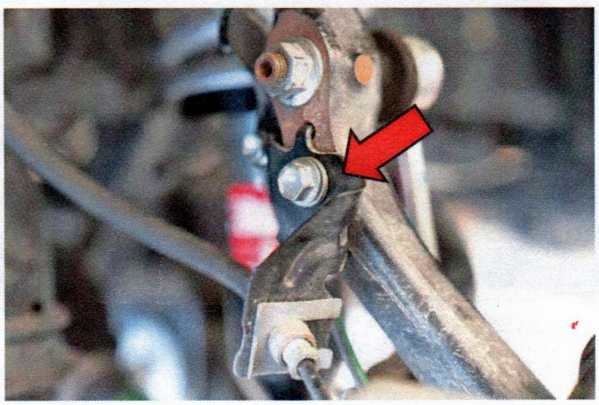
Step 23

Step 22. 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 23. Re-install the 10mm bolt for the wheel speed sensor to the upper control arm.



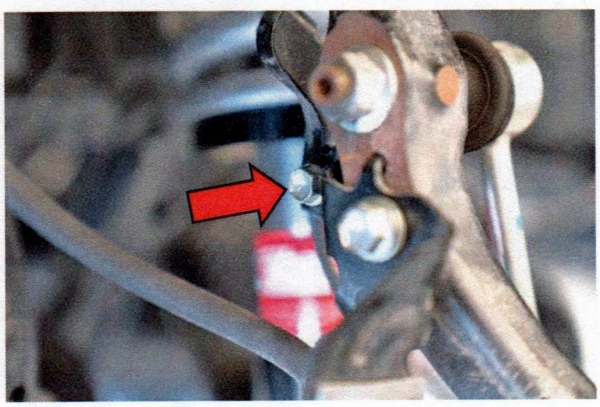
Step 24



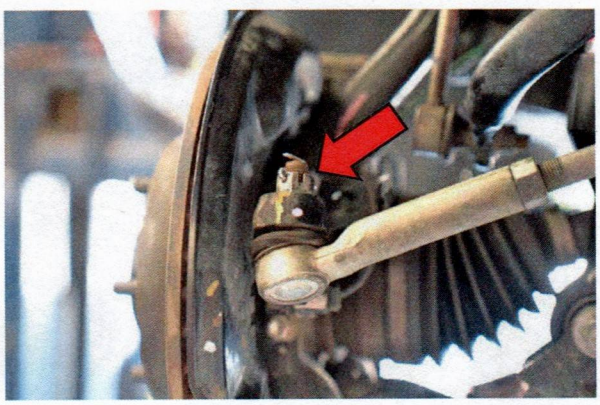
Step 25

Step 24. Re-install the sway bar link into the knuckle on both sides and torque the 17mm nut to (52 ft-lb)

Step 25. Re-install the brake line bracket into the knuckle and tighten the 12mm bolt (snug)



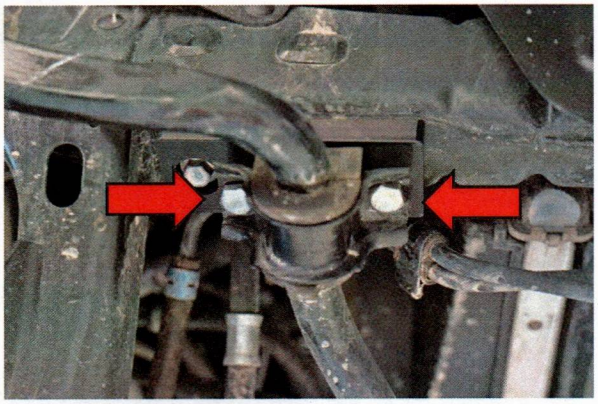
Step 26

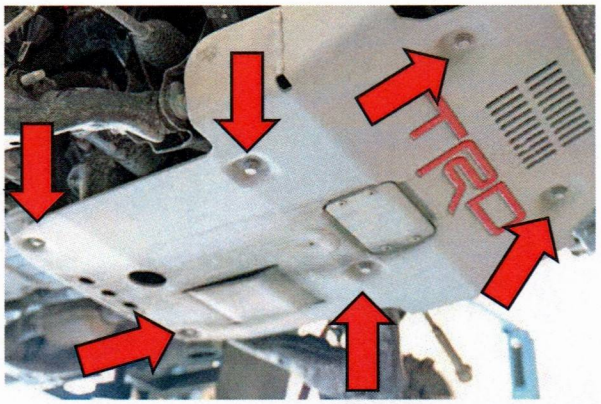


Step 27

Step 26. Re-install the 10mm bolt for the wheel speed sensor to the brake line bracket.

Step 27. 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 28. Torque the 2x (each side) 17mm bolts for the D-Bracket to (37 ft-lb)

Step 29. Re install the skid plate and torque the 4x 17mm bolts to (30 ft-lb) and the 2x 12mm bolts (snug)

Step 30. 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.