Installation Instructions

Eibach Inc. 264 Mariah Circle Corona, CA 92879
USA Tech Support 800-507-2338 ext. 114

PRO-TRUCK 2.5 COILOVER: E83-82-108-01-20

24+ TOYOTA LAND CRUISER

Notes

-Exact lift heights may vary due to vehicle weight distribution

-Out of box coil over height tested to be level with OE rear.

-Exceeding the maximum specified lift will result in damage to the shock.

Kit Contents

Description	Part Number	Quantity
PRO-TRUCK 2.5 COILOVER	82135.9103	2
SPANNER WRENCH	ETCO2.0	1

Installation 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 by safety stands and wheels are blocked.
- Never use impact wrenches or impact guns to install or remove shock absorber piston components, shafts and Piston rod nuts.
- All Eibach springs should be installed with the Eibach logo right-side-up.
- After Installation, inspect and adjust the following: Wheel Alignment; tire/wheel fender clearance when using aftermarket wheels or tires; brake line clearance and attachments; anti-lock-brake system sensors.



1. Lift the vehicle and remove the front wheels.

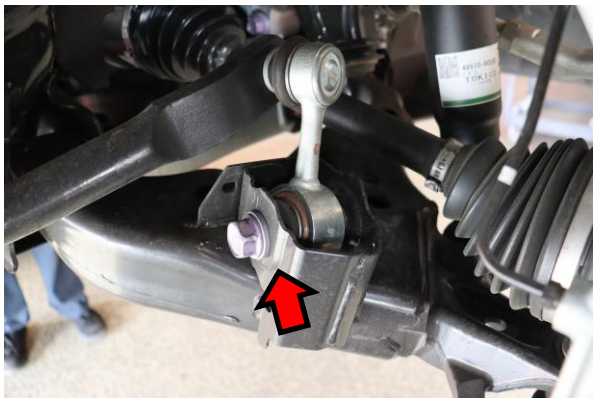




2. Remove cotter pins from the upper ball joint and outer tie rod end.



3. Remove the 24MM nut from the outer tie rod end ball joint. Use a press tool to separate outer tie rod to steering knuckle.



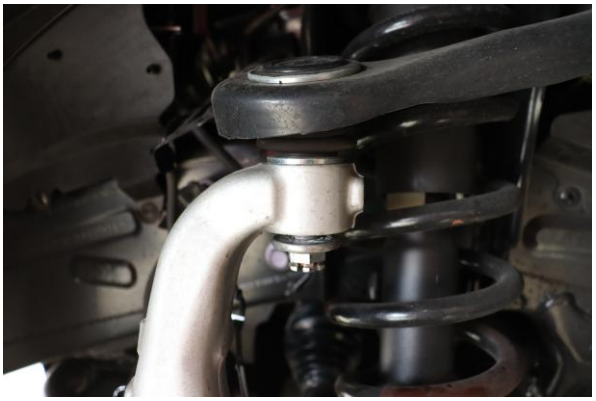
4. Remove the sway bar end link bolt 22mm.



5. Remove the wheel speed sensor wire harness bracket from the upper control arm 10mm.



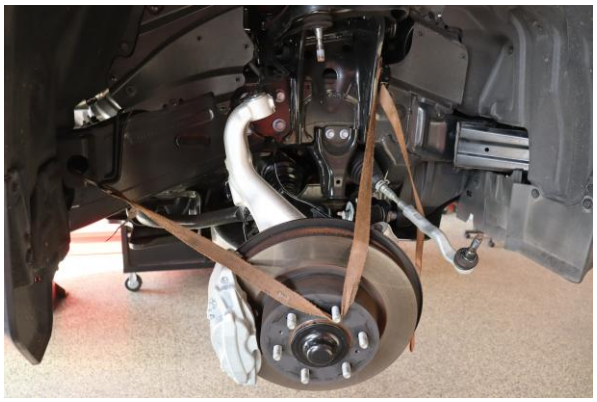
6. Remove the lower shock mounting bolt 22mm.



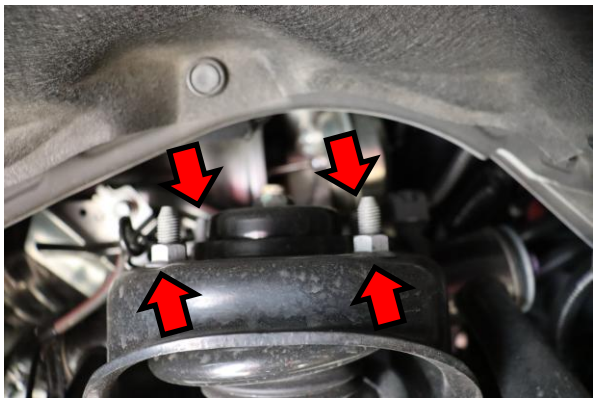
7. Loosen but do not remove the upper control arm ball joint nut 19mm.



8. Use a hammer to shock loose the upper control arm ball joint and the outer tie rod end.



9. Use a strap to limit the spindle. This prevents damage to the axle from overextending.



10. Remove four nuts from the upper shock securing the top hat to the frame 14mm.



11. Use a pry bar to pull down on the upper control arm and remove the upper control arm ball joint nut. Slowly allow the upper control arm to lift out of the spindle and allow the spindle to rest against the strap installed in step 9.



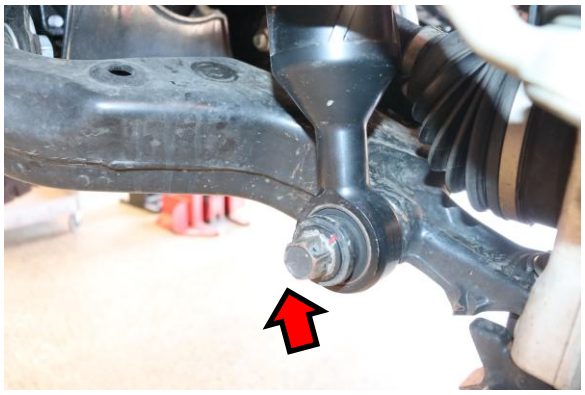
12. Slide the shock off the lower mount and lower the assembly out of the vehicle.



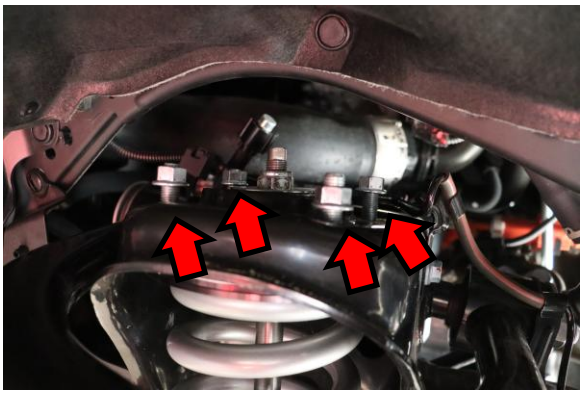
13. Verify coil over pre-load. Out of the box setting of 85mm (3 11/32 inches) should provide a level ride height with OE rear springs. See last page for additional information.



14. Lift the assembled coil over into the vehicle. Slide the lower shock mount onto the post on the lower control arm.



15. Apply blue Loc-Tite to the threads of the lower shock bolt. Install and tighten to manufacturer specification of **195ft-lbs.**



16. Install and tighten four upper shock mounting nuts 14mm to 44 ft-lbs.



17. Use a pry bar against the upper control arm to lower it into the spindle. Install and tighten the upper ball joint nut to manufacturer specification (92 FT-LB).



18. Remove the strap installed in step 9.



19. Install the sway bar end link bolt and tighten to manufacturer specification 19MM (110 ft-lb).

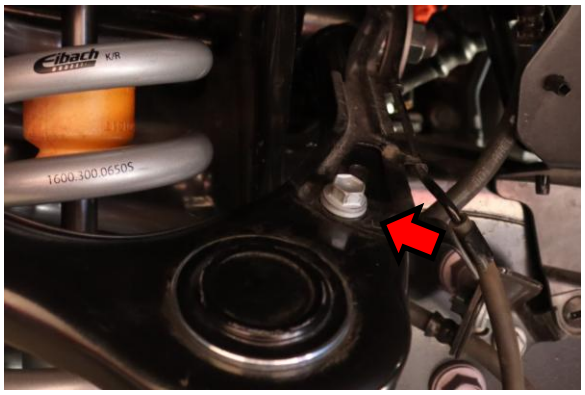


20. Install tie rod end nut and tighten to manufacturer specification 24mm (89 ft-lb).





21. Re-install cotter pins in both the upper ball joint and the outer tie rod end.



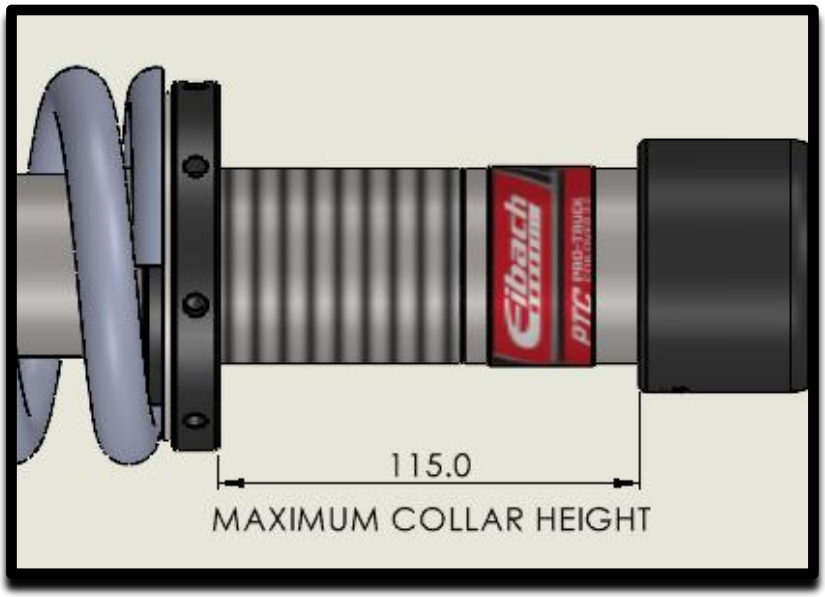
22. Install wheel speed sensor wire harness bracket bolt and tighten to manufacturer specification.



23. Install wheel and tire. Tighten lug nuts to manufacturer specification. Lower vehicle.



24. Test drive vehicle slowly while listening for any abnormal noises.



NOTE: DO NOT GO ABOVE A SPRING COLLAR HEIGHT OF 115mm FROM BOTTOM OF COLLAR TO BASE, ASE SHOWN OR ELSE DAMAGE TO THE SHOCK AND SUSPENSION WILL OCCUR