# Installation Instructions

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

# PRO-TRUCK COILOVER 2.5": E83-35-062-01-20

2024+ FORD Ranger 4WD with 2.3 L– 2.7L

## Notes

-Exact lift heights may vary due to vehicle weight distribution/ model

-Out of box coil over preload set to 110mm (4 3/8"), 2.3" of lift.

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

## Kit Contents

| Description | Part Number | Quantity |
|---|---|---|
| PRO-TRUCK COILOVER | 35171.9103 | 2 |
| HARDWARE KIT | 35148.8000HK | 2 |
| SPANNER WRENCH | ETCO2.0 | 1 |

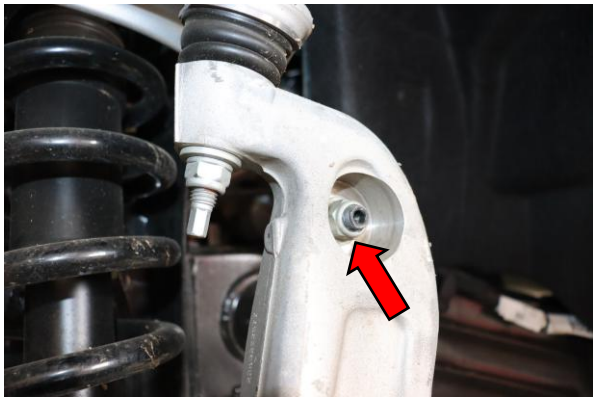
## Installation Notes

### Read all instructions before beginning installation

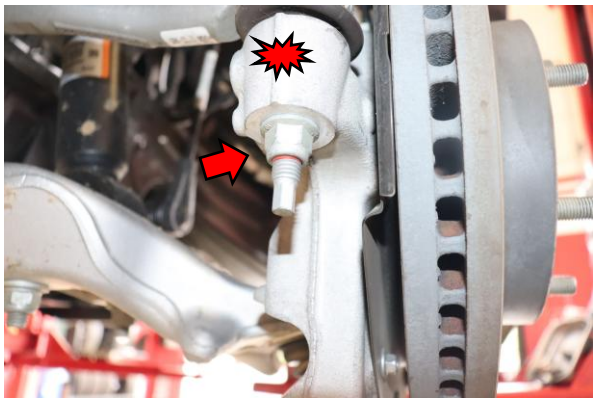
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of a hoist and screw jack is highly recommended and will substantially reduce installation time.
- Never work on or under a vehicle unless it is properly supported by 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.



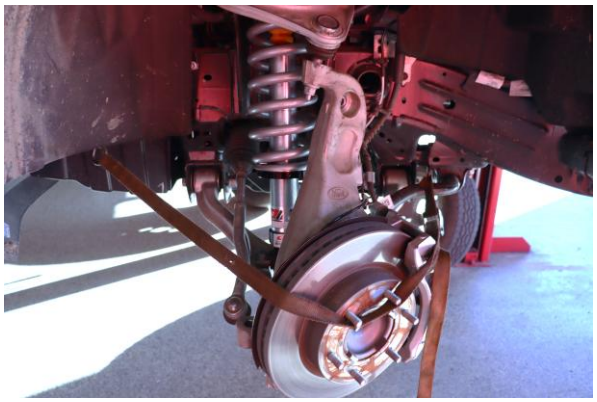
1. Lift the vehicle and remove the front wheels.



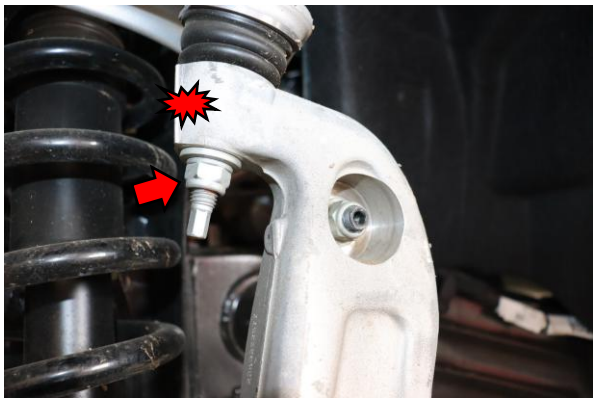
2. Remove 18mm sway bar end link.



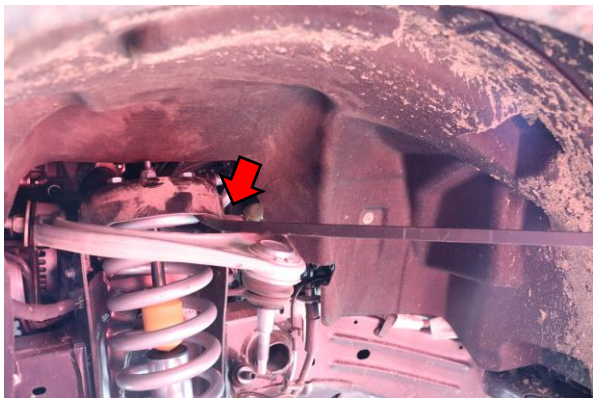
3. Remove 15mm tie rod end nut. Use a hammer against the steering knuckle to shock loose the tie rod end.



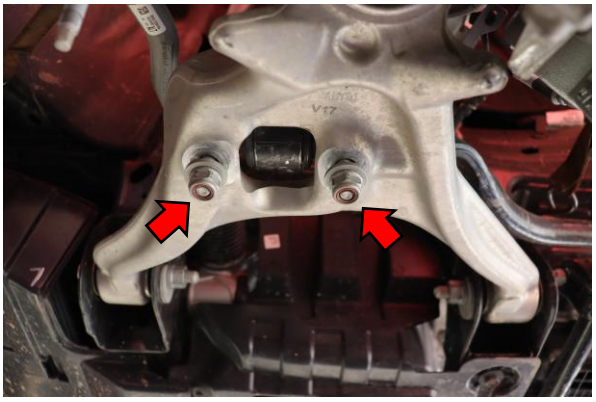
4. Use a strap to hold the rotor and steering knuckle against the vehicle. This will help prevent damage to the front axle due to overextending.



5. Loosen but DO NOT remove 18mm upper ball joint nut. Use a hammer against the top of the steering knuckle to shock loose the upper ball joint.



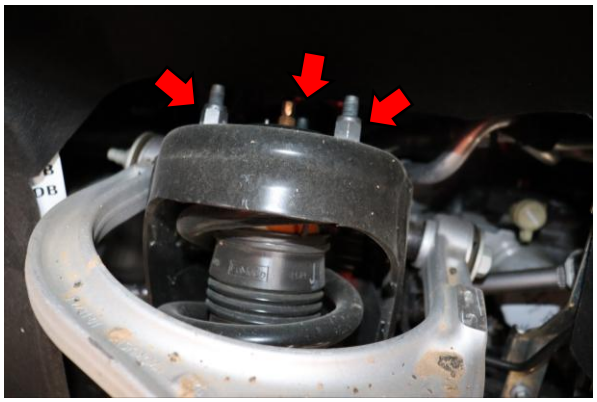
6. Use a pry bar to pull down on the upper control arm. Remove the upper ball joint nut and slowly allow the upper control arm to lift out of the steering knuckle.



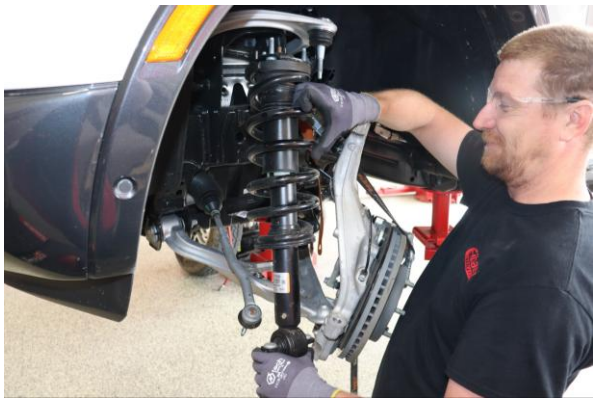
7. Remove the two lower shock mount nuts with an 18mm socket.



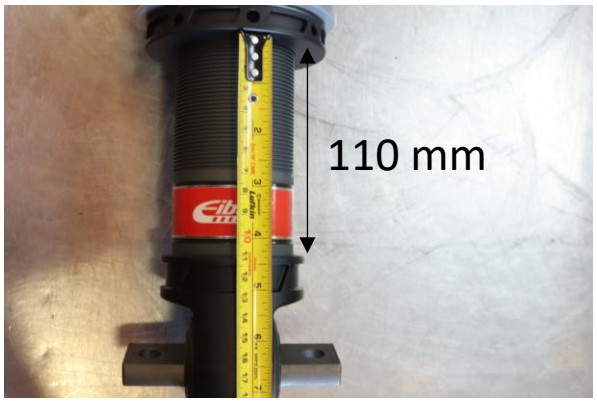
8. Use hammer to drive out both lower shock mount studs from the bottom. Applying heat to the studs can assist in their removal, be careful not to overheat the surrounding bushing or shock body.



9. Remove the three 15mm top hat nuts.



10. Remove the OEM shock assembly from the vehicle.




11. Verify pre-load of the coilover by measuring from the bottom of the lower spring perch to the top of the lower shock mount. Out of the box this setting should be 110mm which will provide a ride height level with the OE rear suspension. Exceeding 3” of lift may result in poor ride quality.

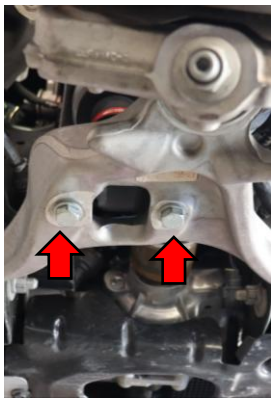


12. Install the Eibach Pro Truck Coilover 2.5 into the vehicle.



13. Use a 17mm socket to install the three top hat bolts and tighten to manufacturer specification.

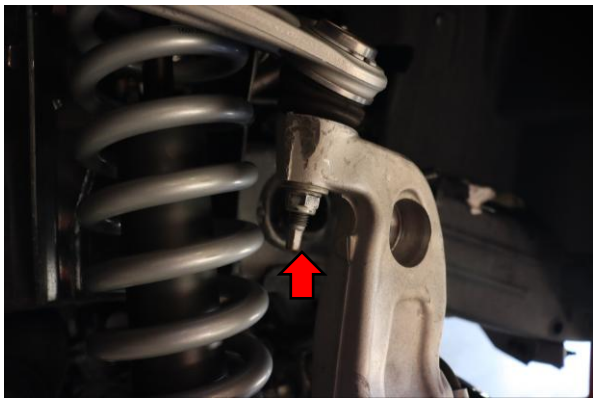




14. Install lower shock mount bolts up through lower control arm as shown. Use a 19mm socket to install and tighten lower shock mount nuts and bolts to manufacturer specification.



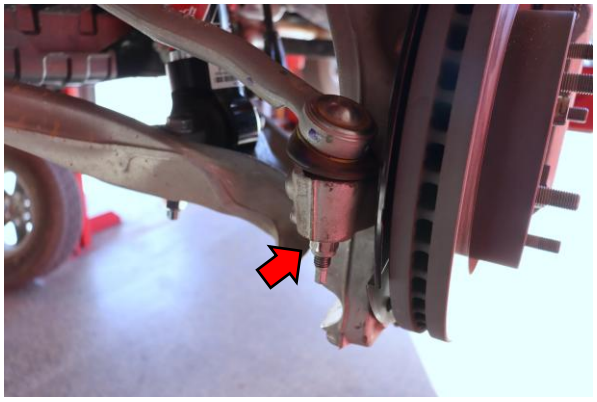
15. Use a pry bar to pull down on the upper control arm. Lower the upper ball joint into the top of the steering knuckle and install the upper ball joint nut hand tight.



16. Use 18mm to tighten the upper ball joint to manufacturer specification.



17 Remove the strap installed in step 4.



18. Install the tie rod end and tighten nut using a 15mm socket, torque to manufacturer specification.

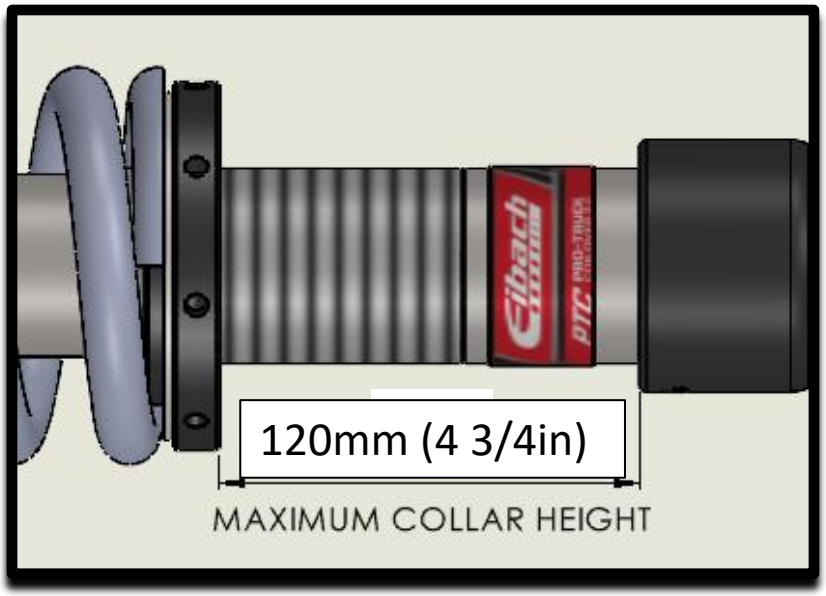


19. Reinstall the sway bar end link nut using an 18mm socket and tighten to manufacturer specification.



20. Install the wheel and tire using a 19mm socket, tighten to manufacturer specification.






**NOTE: DO NOT GO ABOVE A SPRING COLLAR HEIGHT OF 120mm or 4 ¾ inches FROM BOTTOM OF COLLAR TO BASE, ASE SHOWN OR ELSE DAMAGE TO THE SHOCK AND SUSPENSION WILL OCCUR.**