Installation Instructions

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PRO-TRUCK-LIFT HD: E30-31-001-11-20

INEOS GRENADIER

Notes

These pro-truck lift HD springs are designed to be used with OE dampers or Eibach Pro-Truck Reservoir Shocks.

These HD springs are designed for increased front load. Recommended additional weight range of 150-250lbs on front of vehicle.

***Warning* During installation do not loosen track bar, control arm bolts or pull down on the axle. This could result in damage to the drive line.**

Kit Contents

Description	Part Number	Quantity
FRONT HD SPRING	F31-34-001-11-FA	2

Additional Eibach Components for your Vehicle

Part Number	Description	Front	Rear
E60-34-001-02-10	FRONT RESI SHOCK.	+0-2.5”	
E60-34-001-02-01	REAR RESI SHOCK		+0-1.5”
5.40260	SPRING COMPRESSOR		

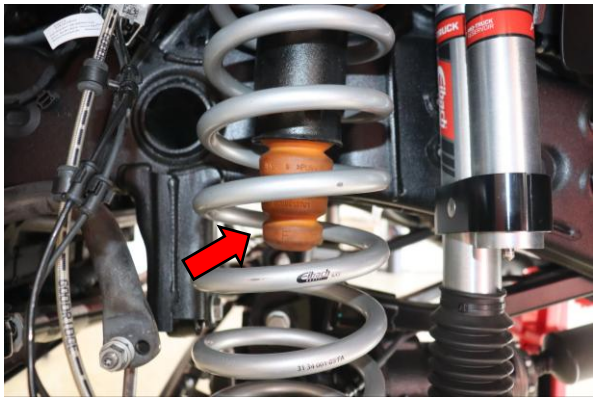
Installation Notes

Read all instructions before beginning installation

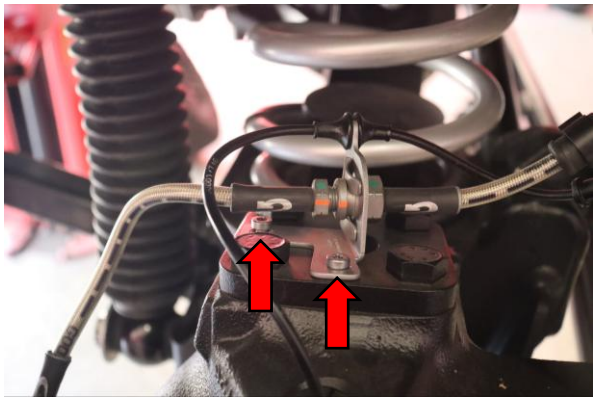
- Only qualified mechanics experienced in the installation and removal of suspension components should perform this installation.
- Use of hoist and screw jack is recommended and will substantially reduce installation time.
- Never work under a vehicle unless it is properly supported.
- Never use impact wrenches or impact guns to install or remove shock absorber piston components, shafts and piston rod nuts.
- For MacPherson Strut type suspension, it is important to mark the orientation of the upper mount with respect to the lower spring perch before disassembly. This must remain the same with the orientation of the Pro-Kit Springs. Noise may result from incorrect procedure.
- All Eibach springs should be installed with the Eibach logo right-side-up. All original stock spring isolators and dampers should be retained from the stock springs when installing Eibach springs.
- 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.
- Tire Rotation: In order to increase the life of your tires, it is recommended to rotate your tires every 3,000 miles.

1. Lift and support the vehicle.

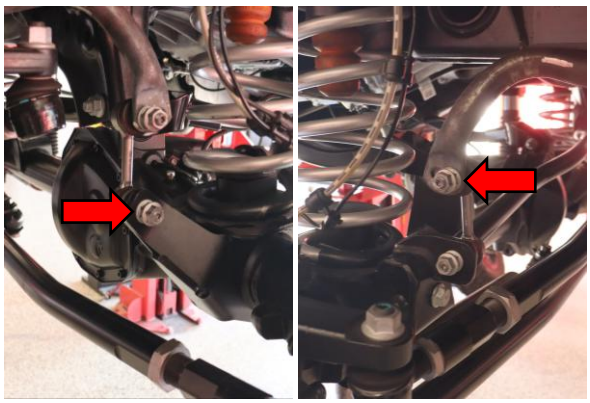
2. Remove both front wheels using 21mm.



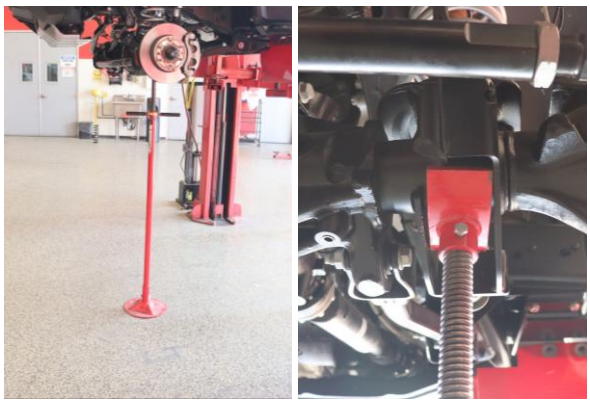
3. Pull the bump stop to release it from the metal cup. Allow the bump stop to rest in center of spring.



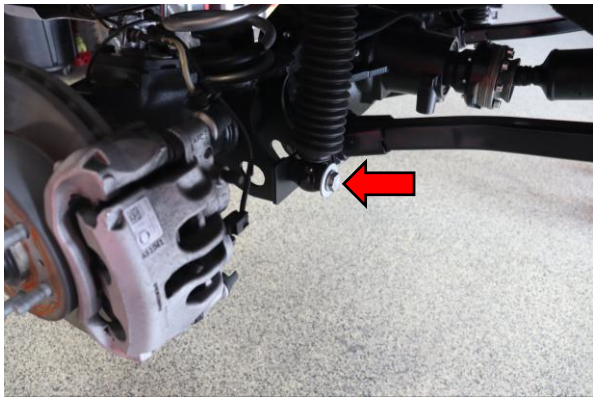
4. Use T25 to remove two screws securing the brake line and ABS wire harness bracket to the top of the axle.



5. Remove the left sway bar end link on the axle side using 18mm to remove two nuts. Remove the right sway bar end link on the sway bar side using 18mm to remove two nuts.



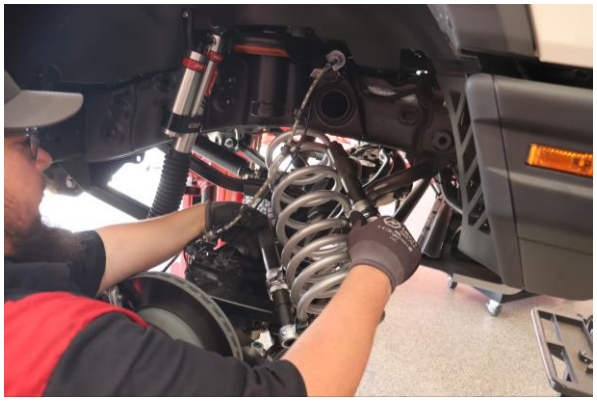
6. Support the axle with a pole jack. This will remove load from the shock during removal and help prevent damage to the front drive shaft from over extension.



7. Lift the front axle with the pole jack until there is no load on the lower shock bolt. Remove the lower shock bolt using 24mm.

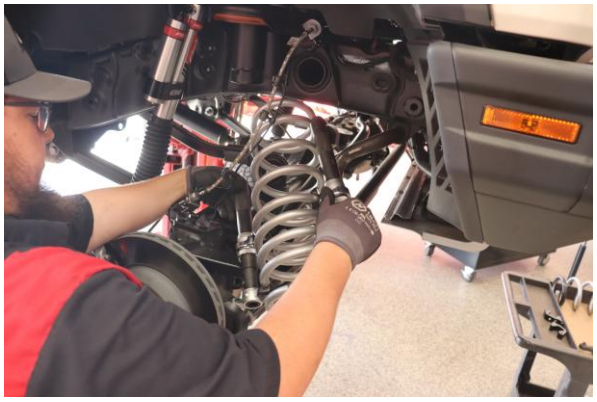
8. Slowly lower the pole jack allowing the axle to lower. ***Warning do not loosen track bar or control arm bolts or pull down on the axle. This could result in damage to the drive line.***

9. Use a spring compressor to compress the spring enough so that the axle does not need to be forced down to remove the spring form the vehicle. **Eibach PN 5.40260**



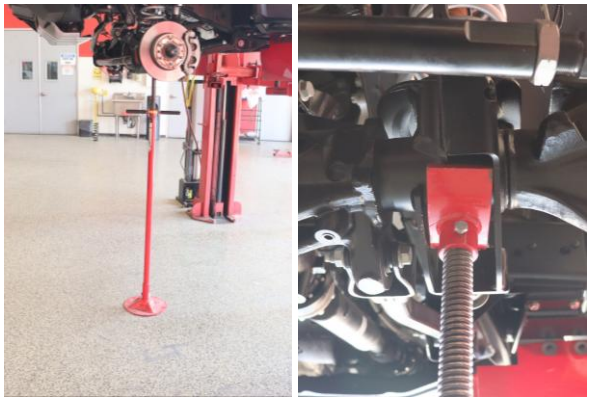
10. Remove the spring from the vehicle.

11. Take note of the compressed length of the spring and location of spring compressors. Carefully release the spring allowing it to return to its normal free length. Compress the Eibach front spring using the same location to mount the compressors. Compress the spring until you reach the length noted during removal.

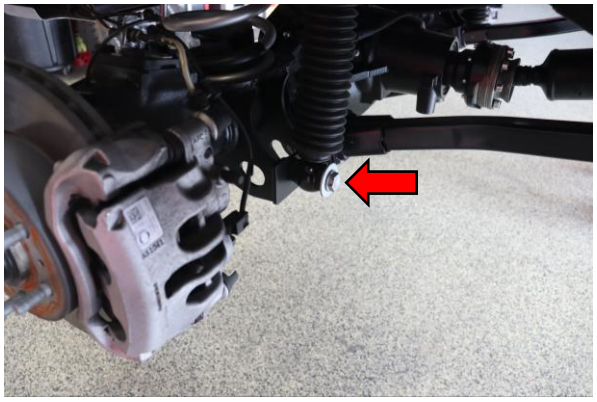


12. Install the Eibach front spring by inserting the top first into the isolator and then swing the bottom into place. Do not force the axle down in order to install the spring.

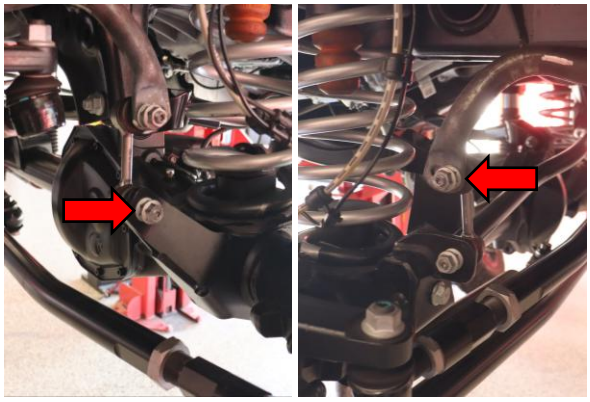
13. Release the spring compressors allowing the spring to sit in the upper isolator and lower perch.



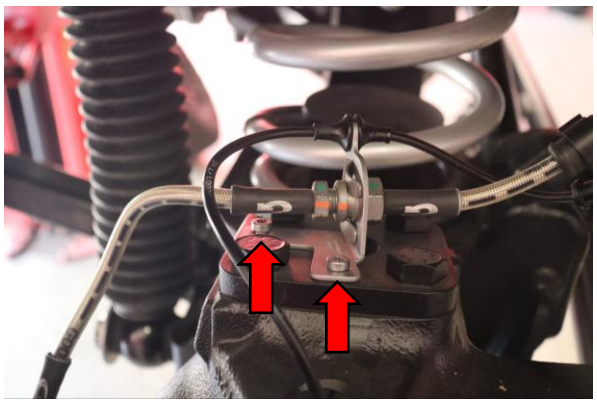
14. Raise the pole jack to lift the axle until the lower shock mount lines up with its mounting location.



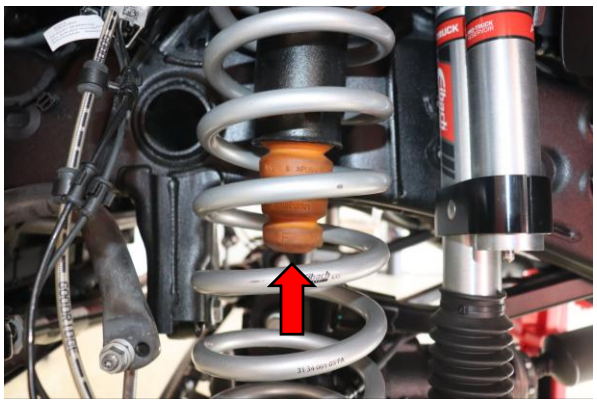
15. Use 24mm to install the lower shock mount bolt. Tighten to manufacturer specification. There should be no load on the bolt during install.



16. Install two 18mm nuts on the left sway bar end link on the axle side. Install two 18mm nuts on the right sway bar end link on the sway bar side. Tighten to manufacturer specification.



17. Install the two bolts securing the brake line and ABS wire harness bracket to the axle using T25. Tighten to manufacturer specification.



18. Press the bump stop through the coils of the spring and push up into the metal cup to install.

19. Install wheels using 21mm. Tighten to manufacturer specification.

20. Lower vehicle and test drive while listening for any abnormal noises. Some variation in ride height may exist depending on additional weight installed on the vehicle.