



2019+ Ram 1500 2.5 Front Coilover

Front Parts List:

- 2 – 2.5 Front Coilovers (25001-209)
- 2 – Reservoir Brackets (25048-143/144)
- 4 – Hose Clamps (62032)
- 4 – 3/8 X 1" Bolts (CB4701)
- 2 – 3/8 X 3/4" Bolts (CB4702)
- 6 – 3/8 SAE Washers (CW1701)

Tools Required:

- Floor Jack/Jack Stands
- Metric Wrench/Socket Set
- Standard Wrench/Socket Set

2019 + RAM 1500
DEM PERFORMANCE SERIES



FRONT: With the vehicle on level ground, set the emergency brake and block the rear tires. Using a floor jack, raise the front end and support the frame rails with jack stands for safety. Remove front tires. **NOTE: Never work under an unsupported vehicle.**

1. Unclip the ABS line from the knuckle and the brake line as shown. Be careful with the brake and ABS lines as you disassemble suspension components and remove shocks.



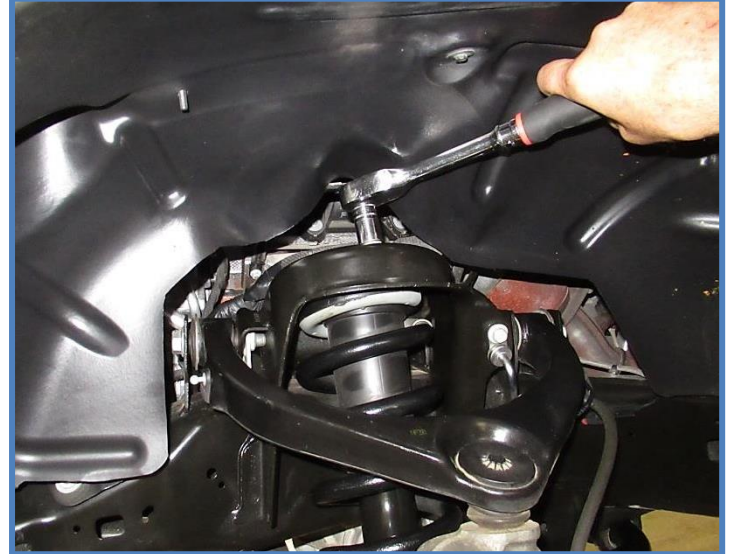
IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage prior to installation.

This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail.

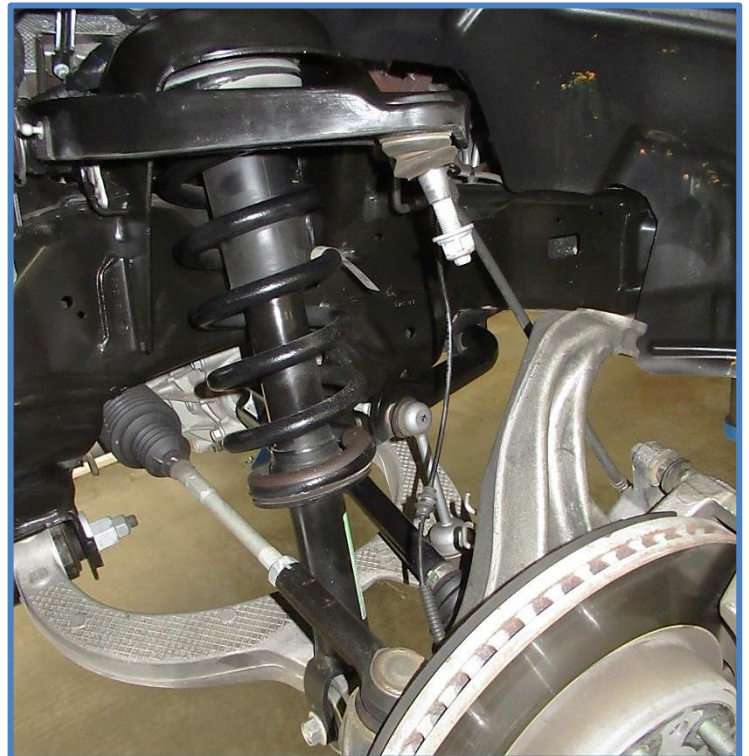
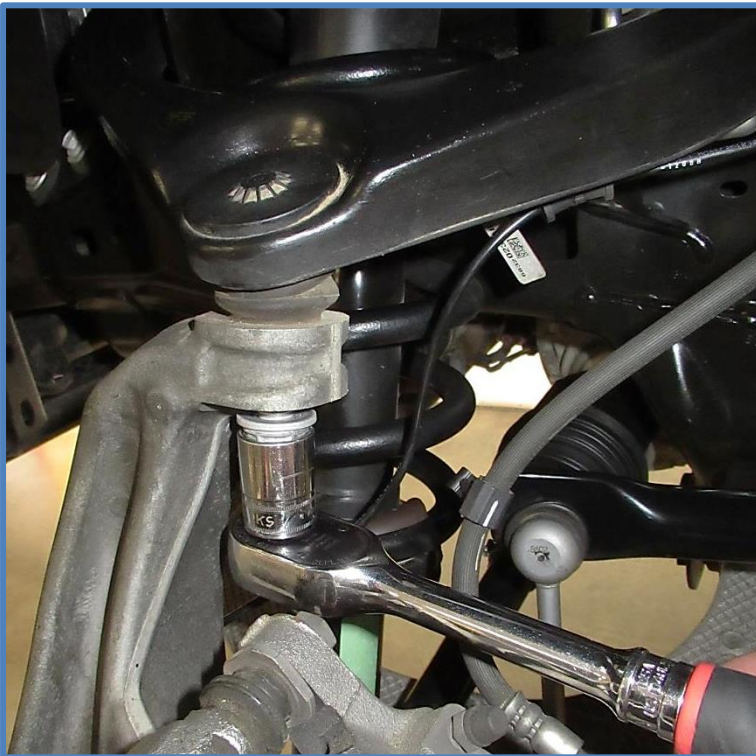


2019+ Ram 1500 2.5 Front Coilover

2. Remove the three upper mounting nuts using a 16mm Socket.



3. Disconnect the upper control arm. Remove the nut using a 21mm socket and separate a-arm from knuckle.



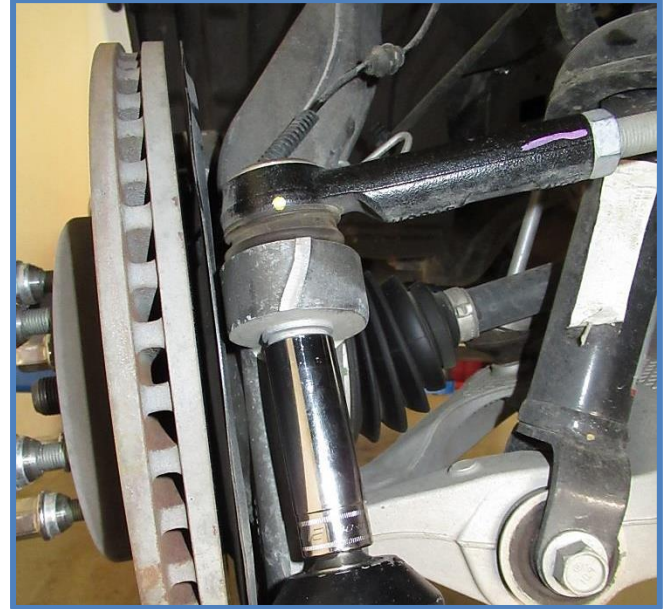
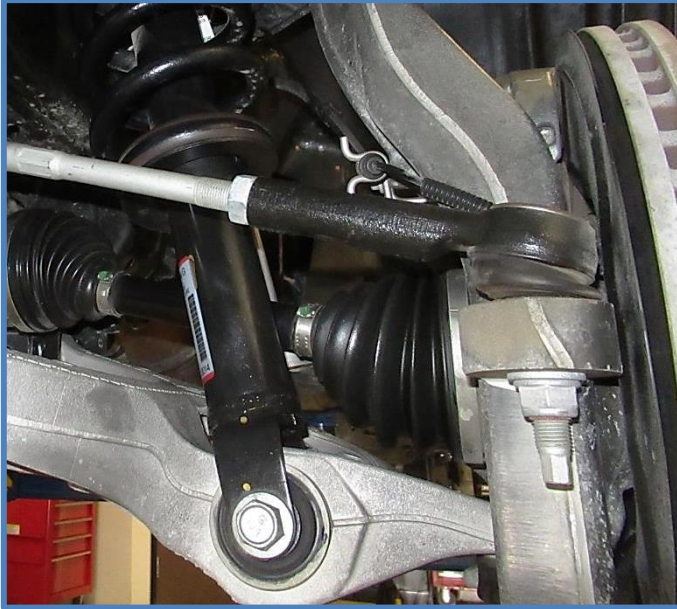
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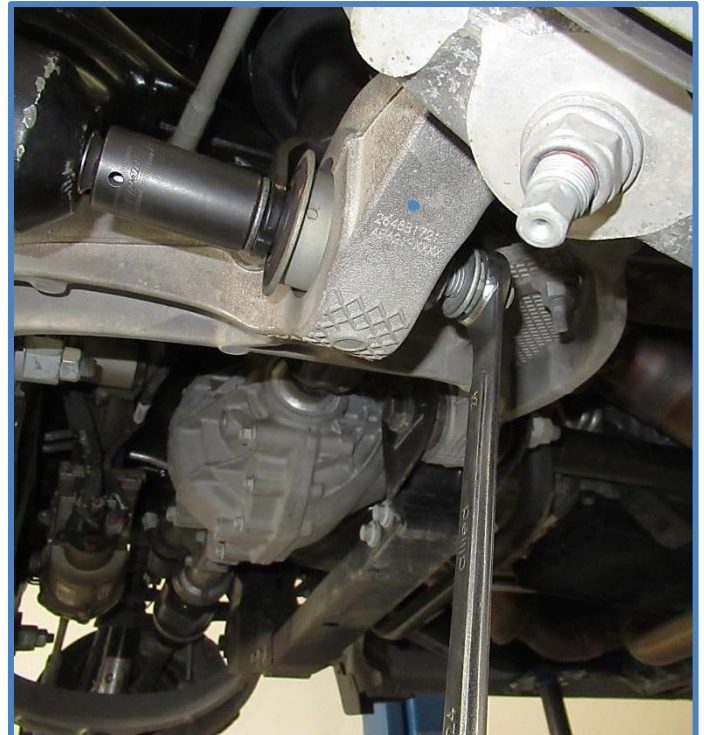


2019+ Ram 1500 2.5 Front Coilover

4. Disconnect the tie rod. Remove the nut using a 21mm socket and separate tie rod from knuckle.



5. Remove the lower mounting bolt using a 21mm wrench or socket on the bolt head and a 24mm wrench or socket on the nut. Remove the nut then pull the bolt out.



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6. Complete steps 1-5 on the left and right side, then remove shocks from the vehicle.

7. While the shock is removed, bend the ABS clip towards the knuckle about a 1/4" or so. You will check clearance when the shock is installed.



8. Installing King Shocks – Be aware the shocks are side specific, make sure you are installing the shocks on the correct side. Begin placing the shock in position on the vehicle while feeding the reservoir between the upper control arm and the upper mount “coil bucket”.



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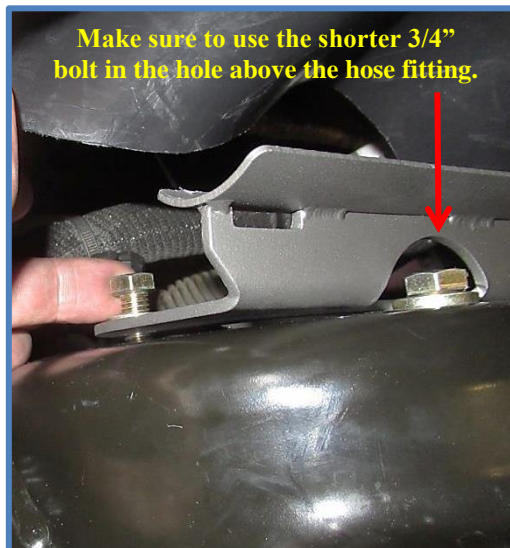
2019+ Ram 1500 2.5 Front Coilover



9. Once the reservoir is through the gap, place the upper mounting plate up into the upper mount on the vehicle and push the lower mount over the lower control arm. Place the shocks in position on both sides before reconnecting any suspension components.



10. Now that the shocks are in place on both sides, place the reservoir bracket on top of the upper mount. Reservoir brackets are side specific, see photo's for reference. Line up the upper mounting plate on shock with the upper mount on the vehicle and thread in the two 3/8 X 1" bolts (CB4701) with HD washers (CW1701) in the two holes towards the back side of the shock. Place the bolts through the reservoir bracket and upper mount of vehicle and thread into the upper mounting plate of shock. Use the 3/8 X 3/4" bolt (CB4702) and HD washer in the front hole above the hose fitting. Thread bolts in enough to hold shock in place, you will do final torque after all suspension components are reconnected.



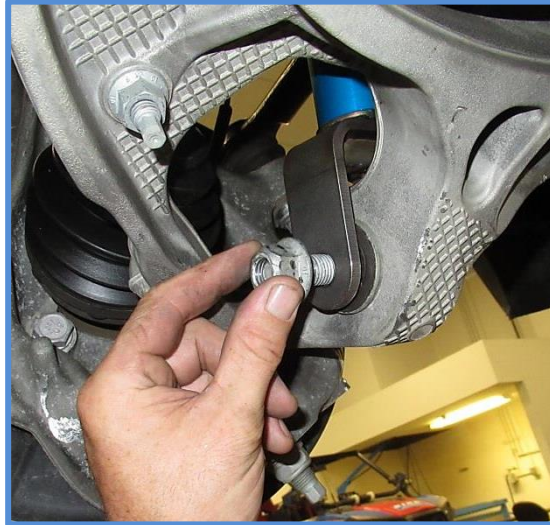
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11. Install the factory lower mounting bolt and place the nut on the bolt but do not tighten yet. This will be the very last bolt that gets torqued after the tires are on and vehicle is sitting on the ground.



12. Reconnect the upper control arm and torque nut to factory specs.

13. Reconnect tie rod and torque nut to factory specs.



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14. Tighten upper mounting bolts to 35 ft/lbs.



15. Reconnect ABS lines.



16. Place the reservoir in the reservoir bracket. Use the provided hose clamps to secure reservoir to the bracket.



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2019+ Ram 1500 2.5 Front Coilover



17. Check clearance between ABS clip and spring plate. Turn the steering full turn from one side to the other while checking for clearance. Adjust as needed.



18. Place the tires on the vehicle and tighten lug nuts. Remove jack stands and lower vehicle to the ground. With the vehicle sitting on the ground, torque the lower mounting bolt to factory specs.

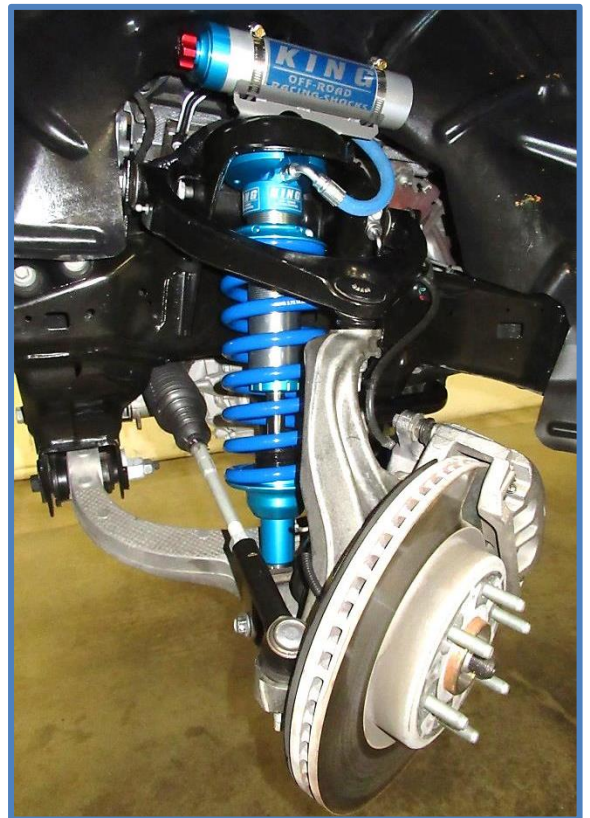


DOUBLE CHECK ALL HARDWARE:

Make sure everything is installed correctly and all hardware is tight before reinstalling tires. Install tires, remove jack stands and lower vehicle to the ground. Recheck all hardware and lug nuts after 100 miles and periodically after that as part of routine maintenance.

Alignment is critical:

A professional alignment must be performed before driving this vehicle at highway speeds. Do not attempt to drive your vehicle after this install without having the alignment readjusted to factory specs!



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