



2010-2014 Ford Raptor 3.0 Front Coilover

King Shocks 12472 Edison Way Garden Grove, CA 92841
714-530-8701 www.kingshocks.com

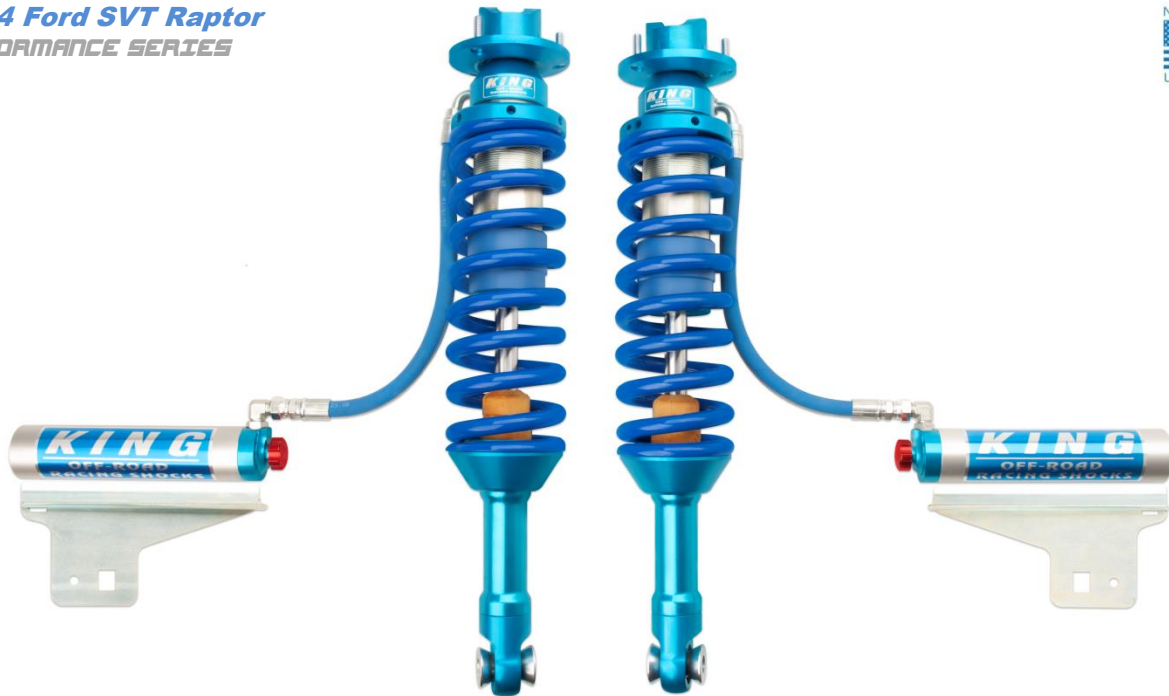
Front Parts List:

- 2 – Front 3.0 Coilover Shocks (30001-407)
- 2 – Front Reservoir Brackets (33403-101L & 33403-102R)
- 4 – Hose Clamps (62032 smooth res.) or (62036 finned res.)
- 6 – 3/8 Nylock Nuts (CN2711)
- 6 – 3/8 HD Washers (CW1701)

Tools Required:

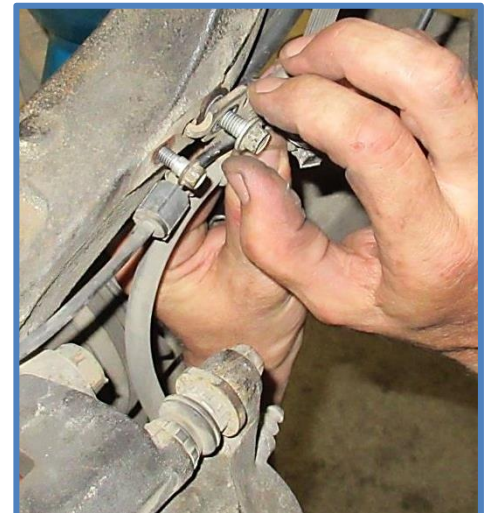
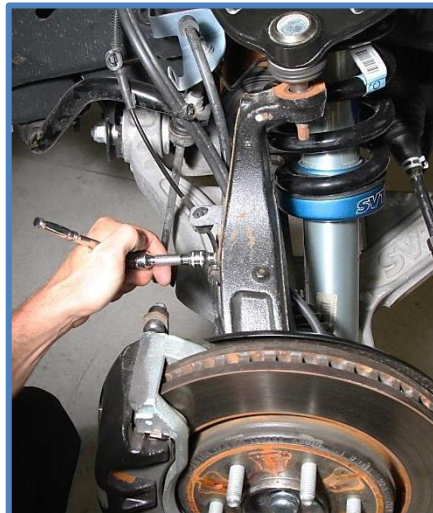
- Floor Jack/Jack Stands
- Metric Wrench/Socket Set
- Standard Wrench/Socket Set

2010-2014 Ford SVT Raptor
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. Remove bolts holding ABS/brake lines. Use a 10mm wrench/socket to remove the bolts from the bracket on frame and knuckle. Use an 8mm socket for the bolt holding the ABS line on the knuckle.



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.

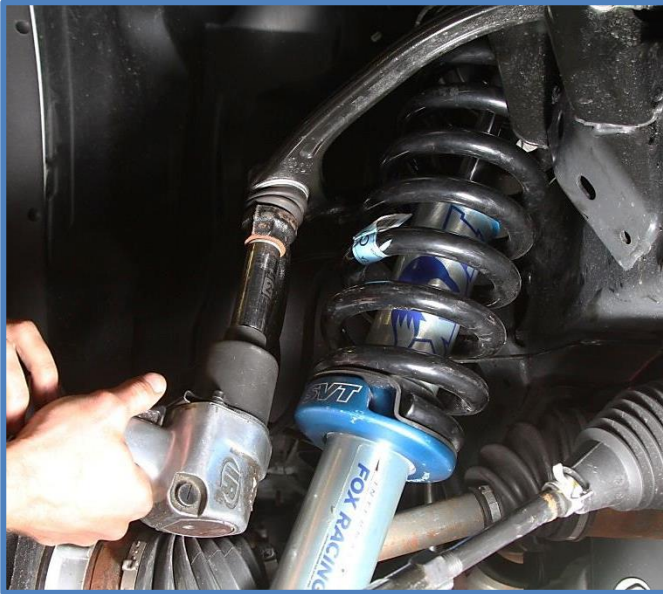
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701 Most important after the install, Feel the difference and have fun.



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2. Disconnect upper ball joint from steering knuckle (spindle).



3. Disconnect tie rod ends from steering knuckle.



4. Remove the sway bar bolts from the lower a-arm.



5. Loosen the lower shock bolt but do not remove.



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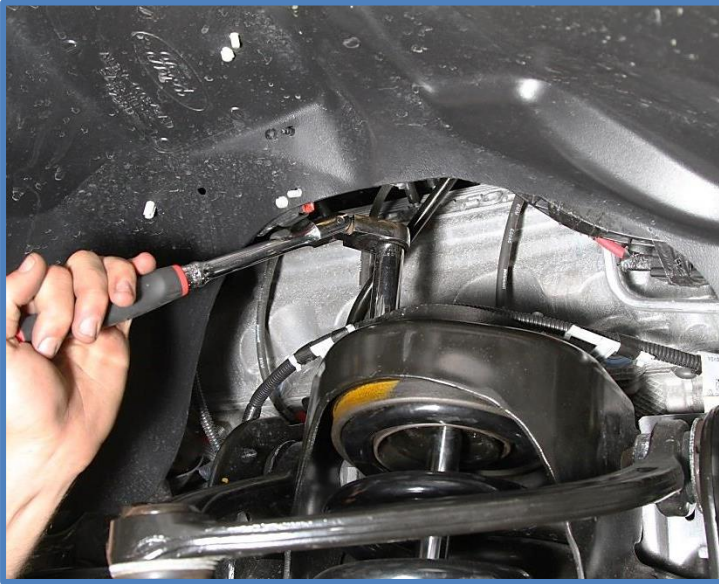
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6. Remove the nuts from the upper shock mounts.



7. Remove lower shock bolt.



8. Remove the factory shock from the vehicle as shown.



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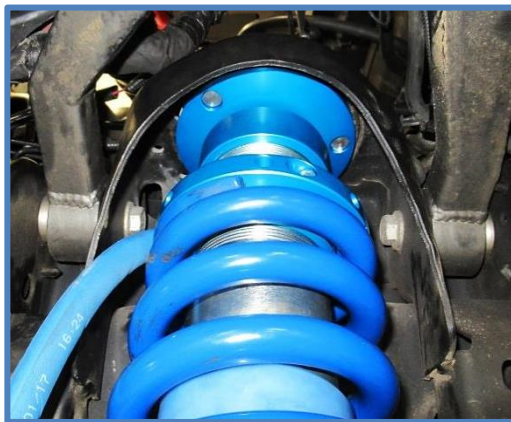
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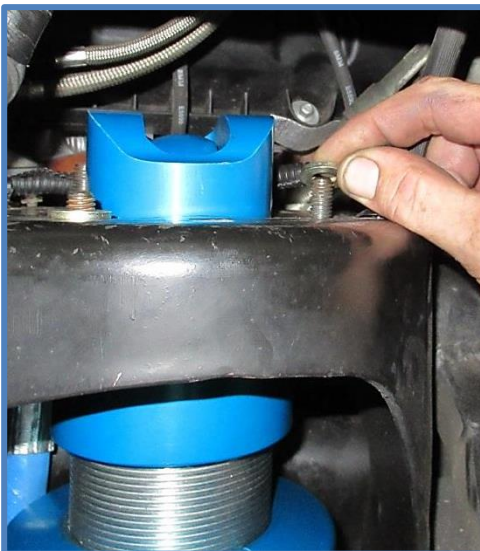
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9. Install King Shocks: Place the shock into position on the vehicle as shown (hose fitting faces towards frame). Insert the upper mounting studs into the upper mount on vehicle and place the rod end into the mount on the lower control arm.



10. Place the HD 3/8" washers (CW1701) on the upper mounting studs followed by the 3/8" Nylock nuts (CN2711). Tighten nuts to 35ft-lbs.



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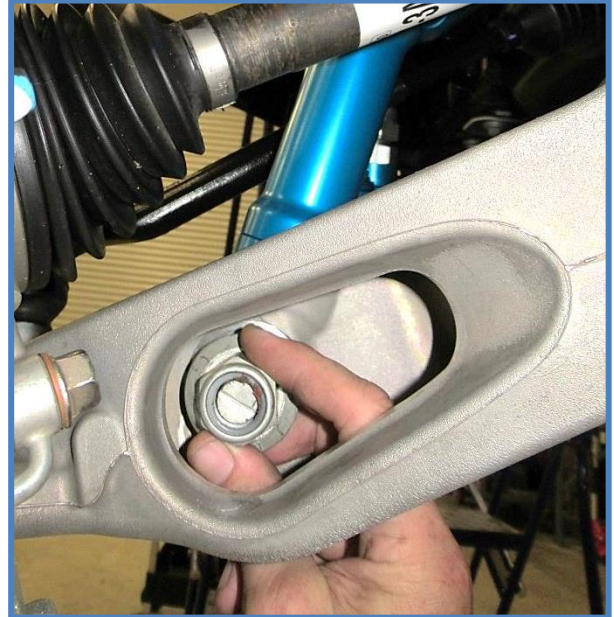
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11. Install the factory bolt in the lower mount and tighten to factory specs.



12. Reconnect upper control arms to spindle and tighten to factory specs.



13. Reconnect tie rods to steering knuckle and tighten to factory specs.



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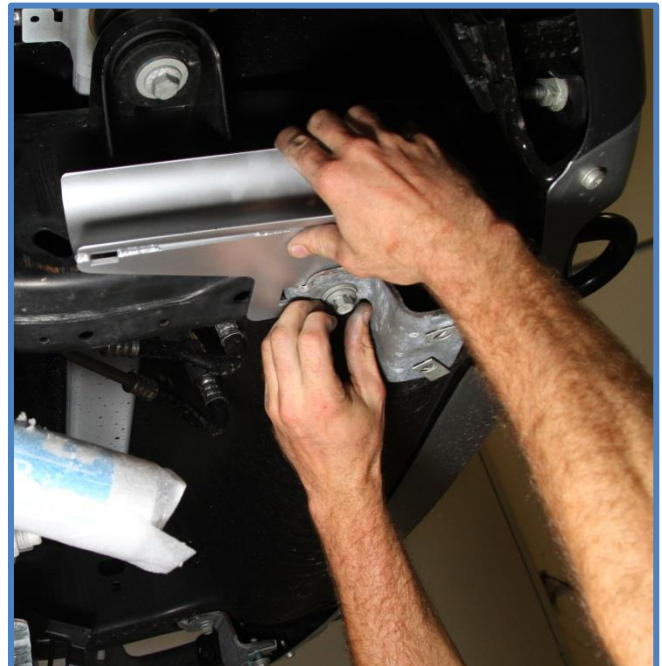
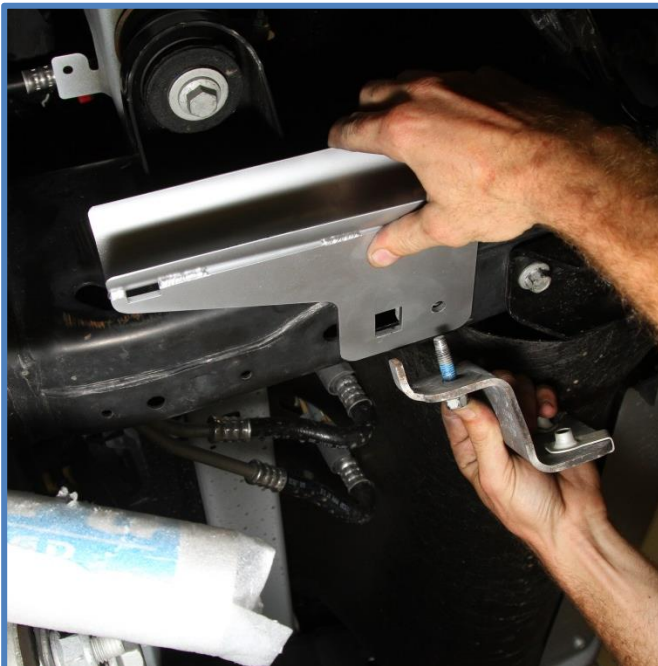
14. Connect swaybar links and tighten to factory specs.



15. Reinstall the brake/ABS line brackets.



16. Install reservoir brackets to the bottom of the frame using the skid plate bolt and bracket. Unbolt the skid plate and bracket and install reservoir brackets as shown below.



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17. Place reservoir in the cradle and feed the provided hose clamps through the slots in the ends of the reservoir bracket, tighten clamps to secure reservoir. (reinstall skid plate)



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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