



2021+ Ford F150 Raptor 3.5 Rear Bypass Shocks

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

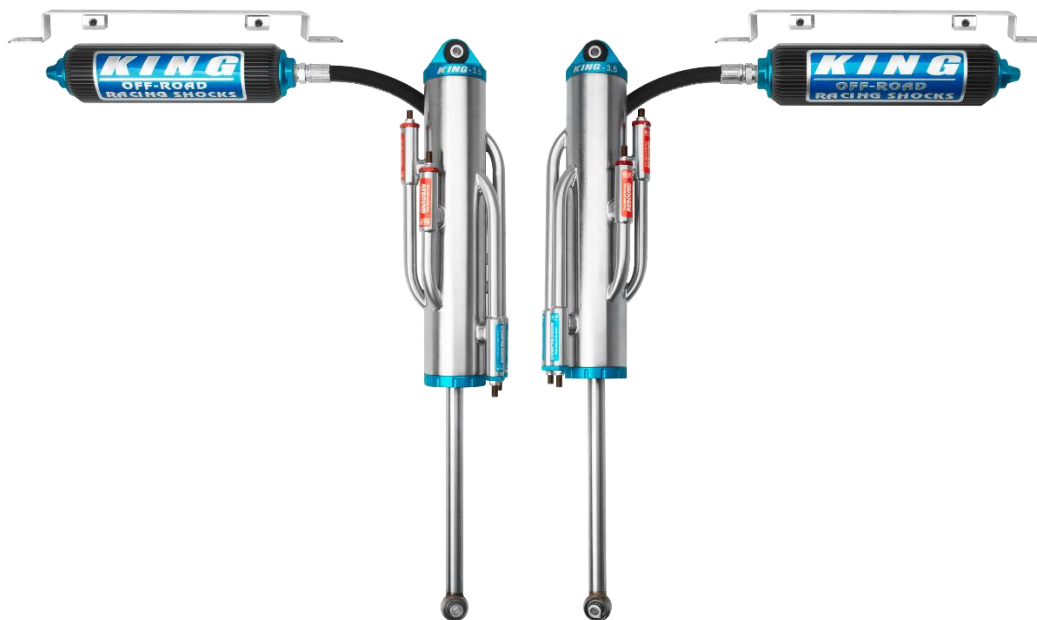
Rear Parts List:

- 2 – 3.5 Rear Bypass Shocks (37001-102)
- 2 – Reservoir Brackets (33403-104/105)
- 1 – Hardware Kit (KH02-237)

Tools Required:

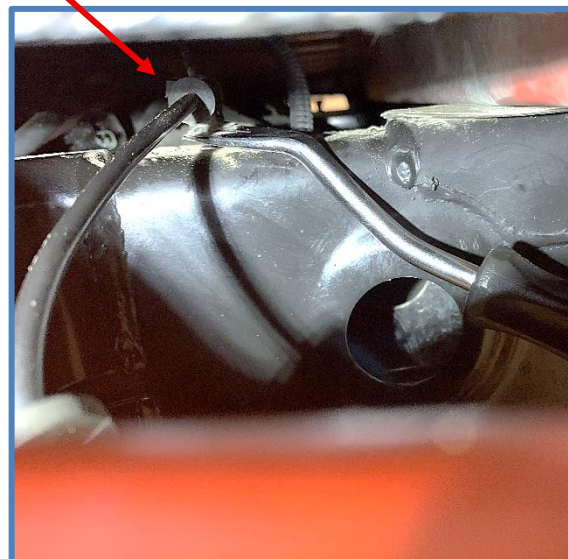
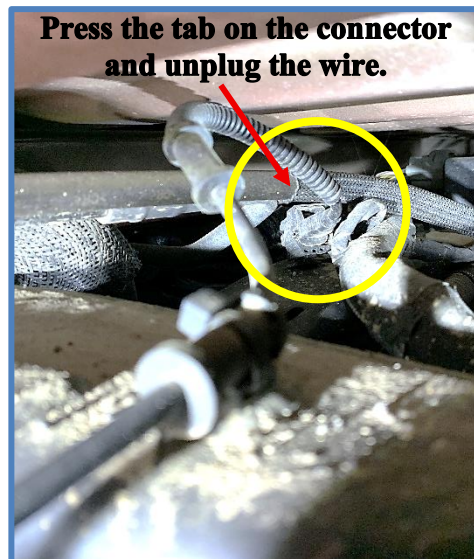
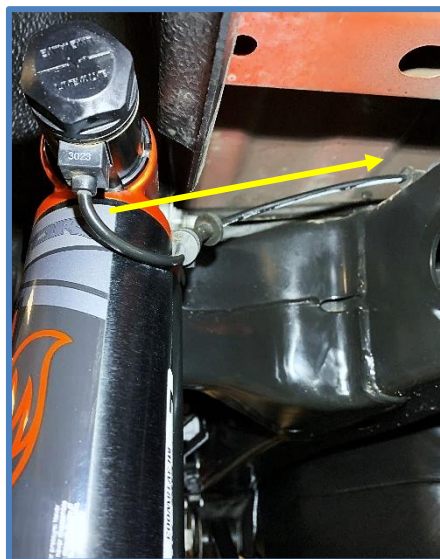
- Floor Jack/Jack Stands
- Metric Wrench/Socket Set
- Standard Wrench/Socket Set

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OEM PERFORMANCE SERIES



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

1. Disconnect the wire going to the shock. Follow the wire from the shock to the frame, find the connector and unplug the wire. Use a pry tool to remove the cable clip from the frame.



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. Support the axle with jack stands before unbolting the shocks. First remove the lower bolt using a 15mm wrench/socket on the bolt head and an 18mm wrench/socket on the nut.



3. Remove the upper bolt using a 15mm socket and remove shocks from vehicle.



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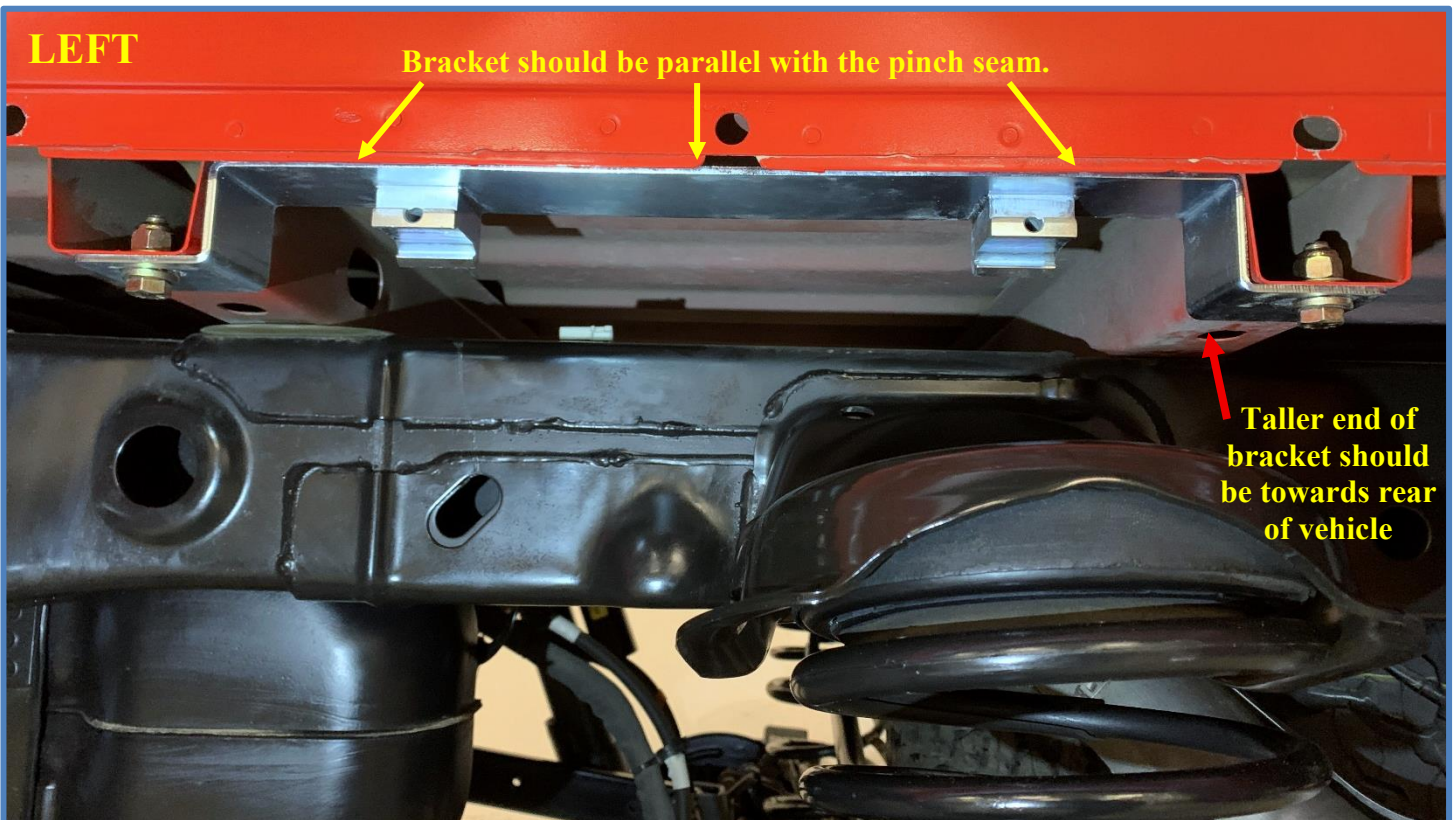
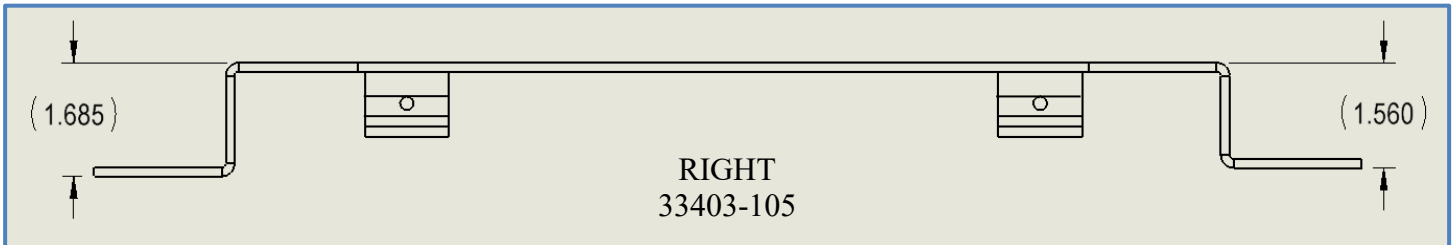
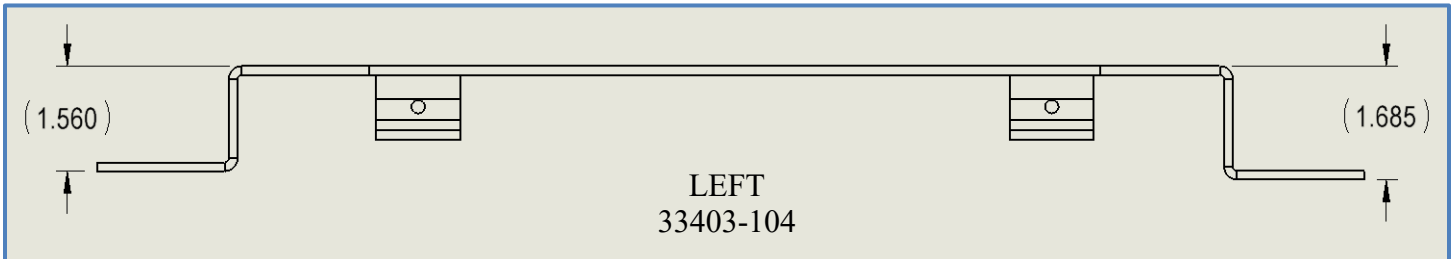
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4. **Install Reservoir Brackets** – Be aware that the reservoir brackets are side specific, one end of the bracket is taller than the other. The taller end will mount towards the rear of the vehicle. When installed properly, the bracket will be parallel with the pinch seam of the bed as shown below. *(photo below shows left side)*



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5. **Install Reservoir Brackets** – Place the bracket in position on the vehicle as shown below. Install the 3/8 x 1” bolts with washers up through the bracket and crossmember of the bed. Place a washer on the top side followed by the 3/8 nylock nuts. Tighten hardware using a 9/16 wrench/socket. *(Photo below shows right side)*



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6. **Install King Shocks** – Be aware that the shocks are also side specific, hose should be towards frame as shown below. See final installation photos for proper orientation. Place the shock in the upper mount and install the factory bolt. Thread the bolt into the flag nut and tighten bolt using a 15mm socket.



7. Place the rod end in the lower mount and install the factory bolt, thread the nut on and tighten. Torque upper and lower bolts to factory specs.



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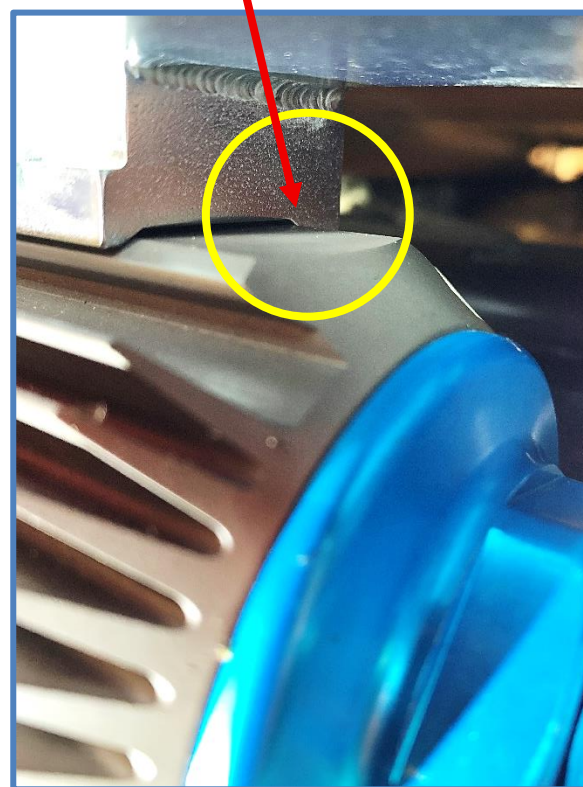
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8. **Install Reservoir** – Position the reservoir on the reservoir bracket as shown below. The flat channel should be facing up and will sit flat against the retaining blocks on the reservoir bracket.



9. Engage the lip of the flat channel on the reservoir with the groove on the retaining blocks.



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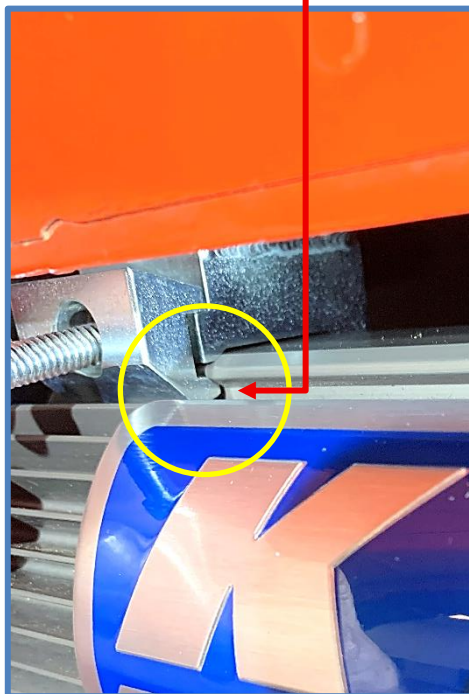
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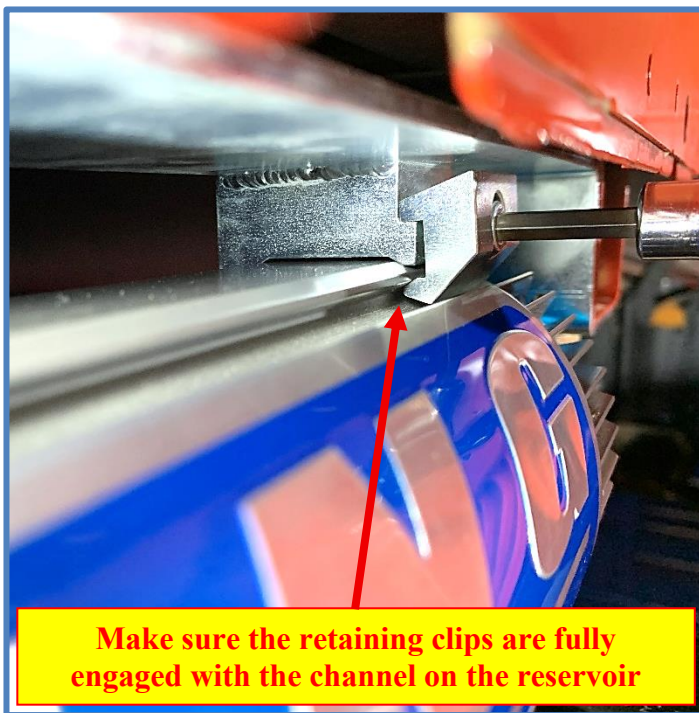
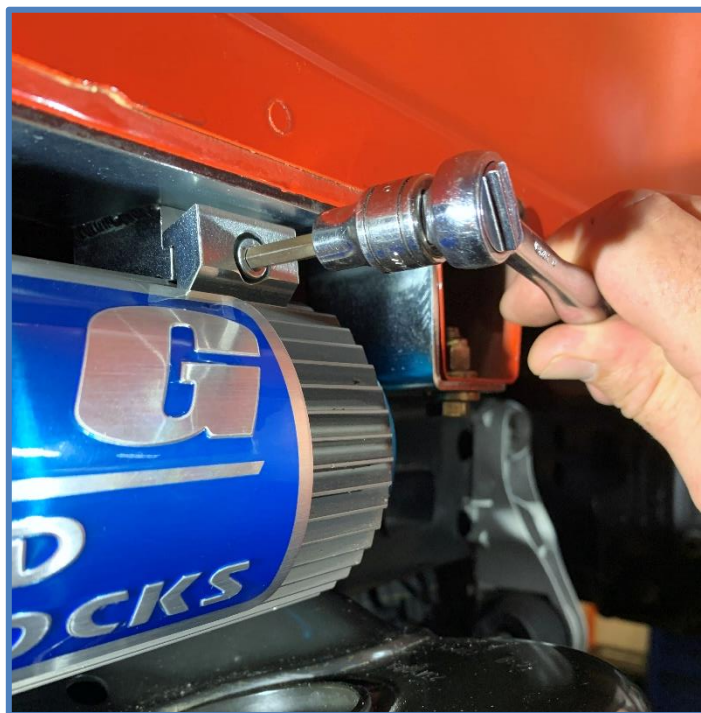
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10. Install the retaining clips with the provided 1/4-20 X 1.75 SHCS (CB1508). Make sure the retaining clip engages in the groove on the reservoir.



11. Tighten screws with a 3/16 Allen wrench. Once the reservoir is mounted you can loosen the screws to adjust the position of the reservoir (if necessary).



Make sure the retaining clips are fully engaged with the channel on the reservoir

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LEFT



RIGHT



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.

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