



2024+ Toyota Land Cruiser 250/Lexus GX550 2.5 Front Coilover

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

Front Parts List:

2 – 2.5 Front Coilovers (25001-415)
2 – Reservoir Brackets (25048-083/084)
2 – Backing Plates (25049-041)
1 – Hardware Kit (KH02-187)

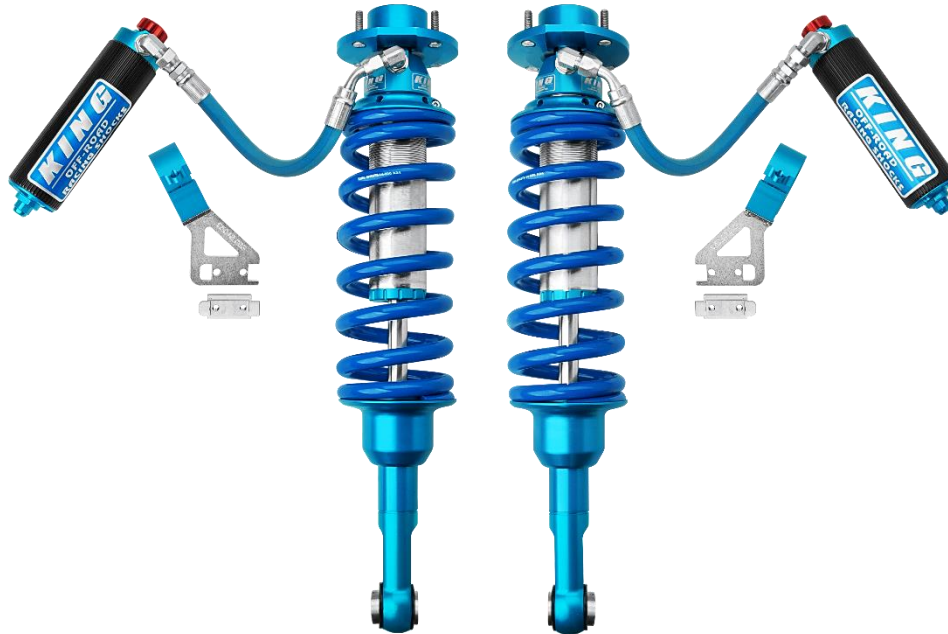
Overtrail Only

2 - (25001-419)
2 - (25048-090/091)
1 - (25049-041)
1 - (KH02-225)

Tools Required:

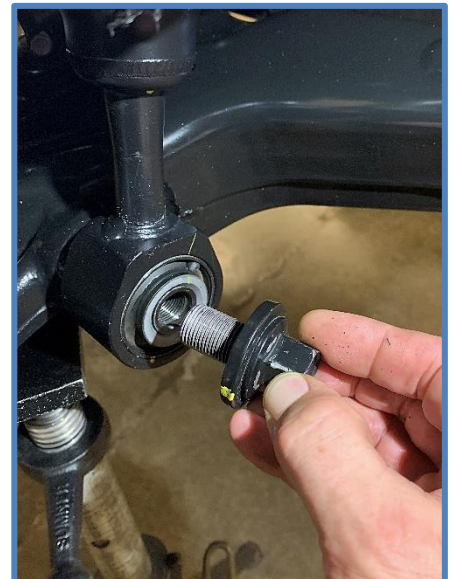
Floor Jack/Jack Stands
Metric Wrench/Socket Set
Standard Wrench/Socket Set

Toyota Land Cruiser 250
OEM 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 lower shock mounting bolt using a 22mm socket.



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.

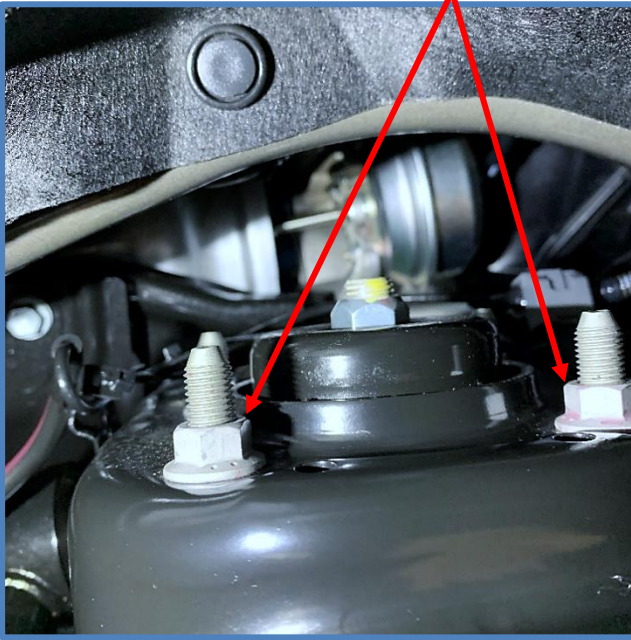
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701 Most important after the install, Feel the difference and have fun.



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2. Remove the 4 upper mounting nuts using a 15mm wrench or socket.



3. Remove cotter pin from the tie rod end, Remove nut with a 24mm socket. Separate tie rod from knuckle.



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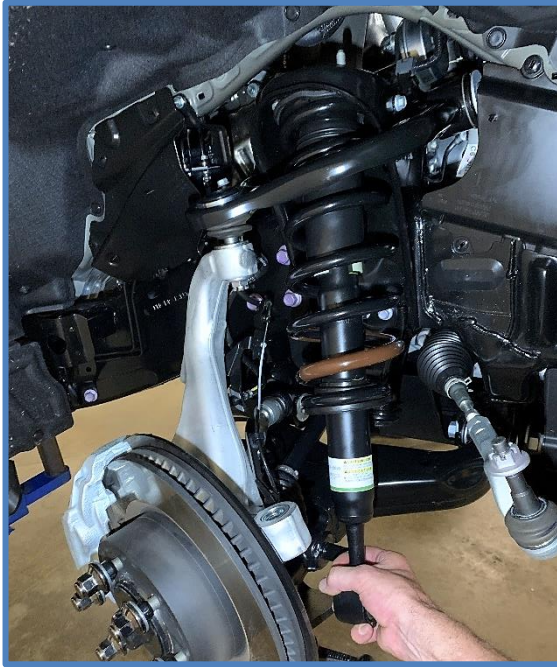
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4. Remove shocks from vehicle – Slide the rod end off the lower mounting stud and pull the shock out of the upper mount as shown below.



5. **Install King Shocks** – Be aware shocks are side specific. Hose and reservoir will go towards front of vehicle. See final install pictures for proper orientation. Place shock in position on the vehicle by first maneuvering top of shock into upper mount. Pry down on lower control arm and place rod end onto the lower mounting stud. The spacers in the rod end are offset, make sure the longer spacer is towards the front of the vehicle.



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6. Place the supplied 3/8 HD Washers (CW1701) on the mounting studs followed by the 3/8 nuts (CN2711) and tighten nuts to 35ft/lbs.



7. Install the factory bolt in the lower mounting stud, be sure the longer bearing spacer is facing forward. Tighten bolt and torque to factory specs.



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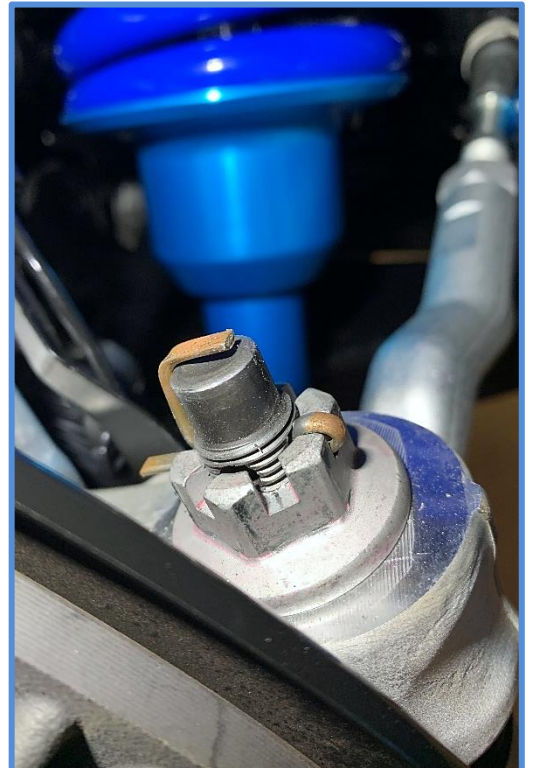
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8. Reconnect tie rod, install nut, tighten to factory specs and reinstall the cotter pin.



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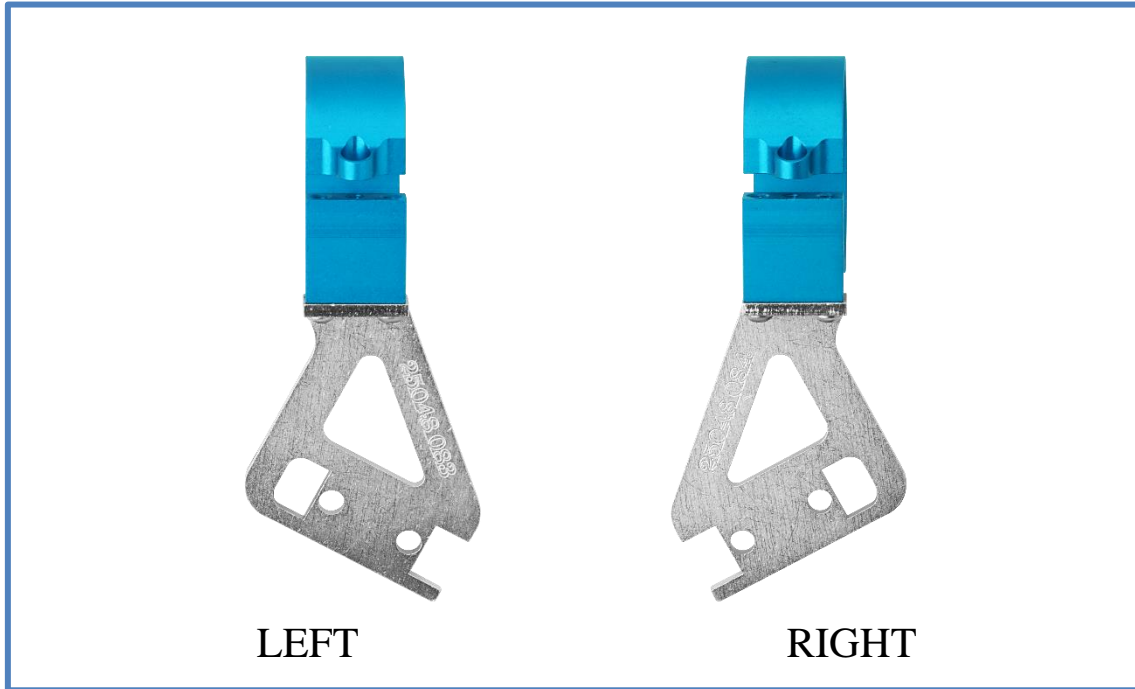
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9. **Mount Reservoirs** – First attach reservoir clamps to the reservoir brackets using the supplied 1/4 x 1/2" BHCS (CB2420). Apply red locktite to the threads and attach clamps to brackets as shown below.



Photos show right side.

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10. Remove splash guards – Pinch the prongs in the center of the plastic retainers with small pliers to release the clips, pull retainers out and remove splash guards.



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11. Insert the Backing Plate (25049-041) into the rectangular hole in frame with the rounded corners facing towards the front of vehicle. Flip the plate out with thumb as shown below and slide forward to hold in place. (*Tip: Thread one of the provided 8mm bolts into the plate to help maneuver plate into position*)



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12. Slide the reservoir into the clamp, then place the reservoir bracket over the backing plate and thread two of the 8mm x 25mm flanged bolts (CB3825) into the backing plate. Tighten bolts using a 12mm socket.



13. Install the 1/4 x 1" SHCS (CB1501) in the reservoir clamp. Adjust reservoir/hose, check clearances and tighten bolt using a 3/16 Hex Key.



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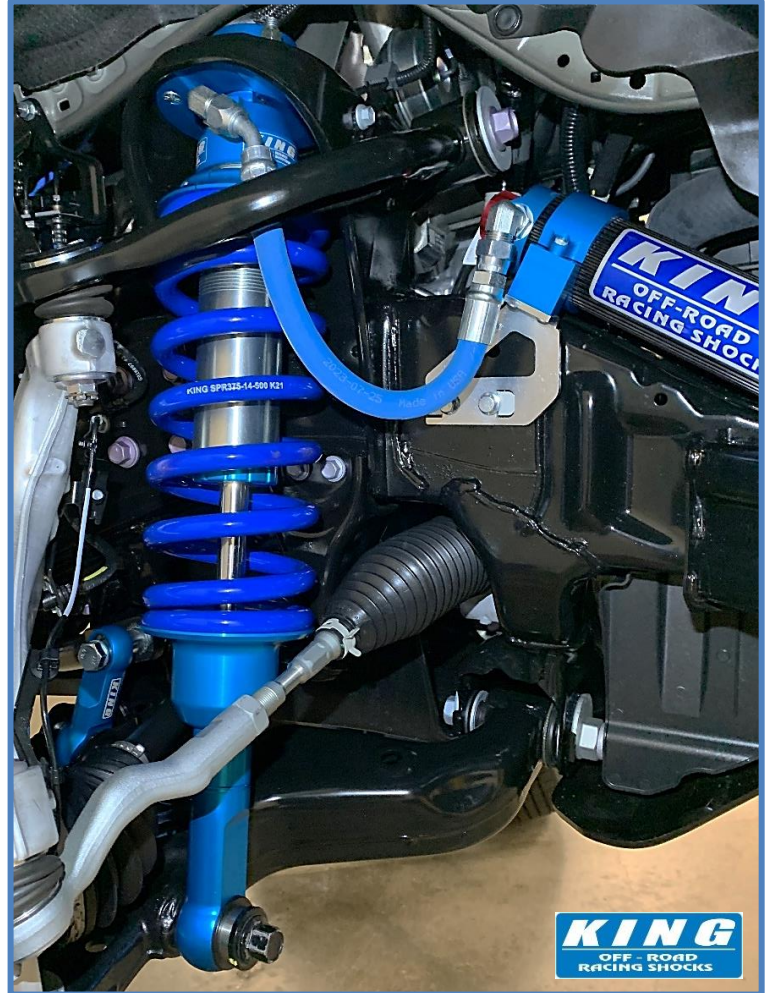
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LEFT



RIGHT



DOUBLE CHECK ALL HARDWARE:

Make sure everything is installed correctly and all hardware is tight. 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 installation without having the alignment readjusted to factory specs!



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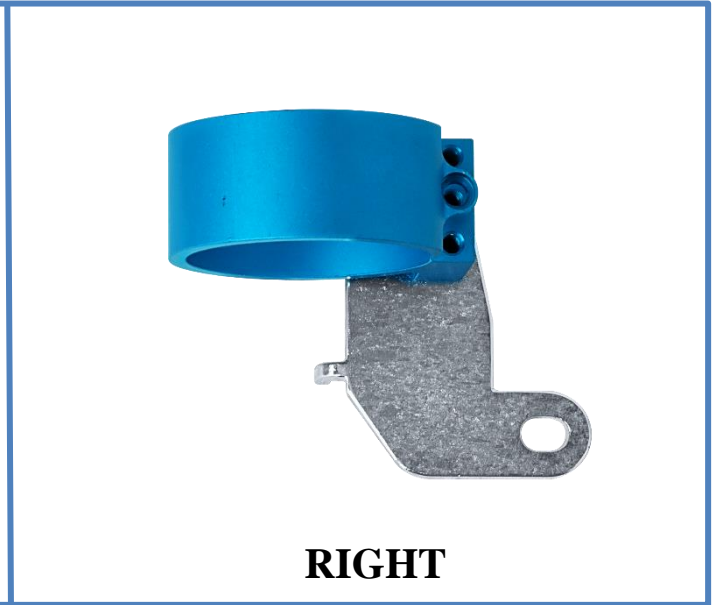
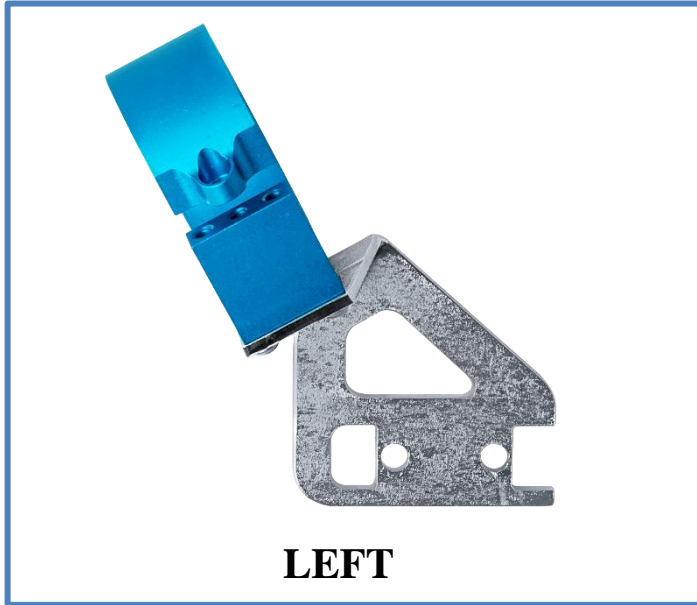


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Lexus GX550 Overtrail Reservoir Mounting –

First attach reservoir clamps to the reservoir brackets using the supplied 1/4 x 1/2" BHCS (CB2420). Apply red locktite to the threads and attach clamps to brackets as shown below.



LEFT

RIGHT

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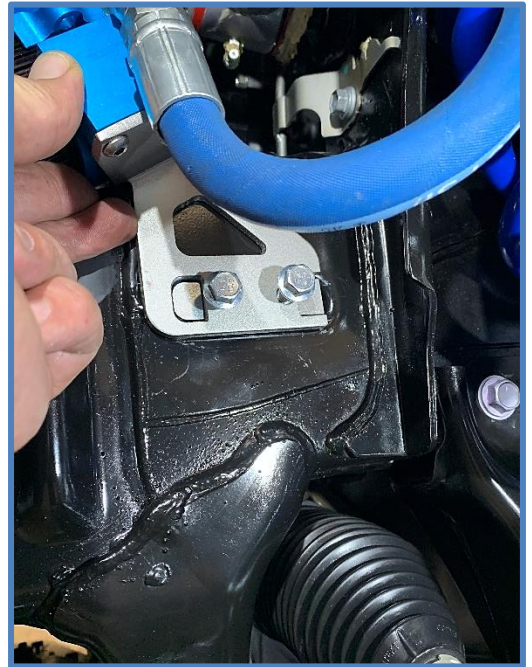


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Lexus GX550 Overtrail Reservoir Mounting –

Left Side – Install backing plate as shown in step 11. Slide the reservoir into the clamp, then place the reservoir bracket over the backing plate and thread two of the 8mm x 25mm flanged bolts (CB3825) into the backing plate. Tighten bolts using a 12mm socket.



Install the 1/4 x 1" SHCS (CB1501) in the reservoir clamp. Adjust reservoir/hose, check clearances and tighten bolt using a 3/16 Hex Key.



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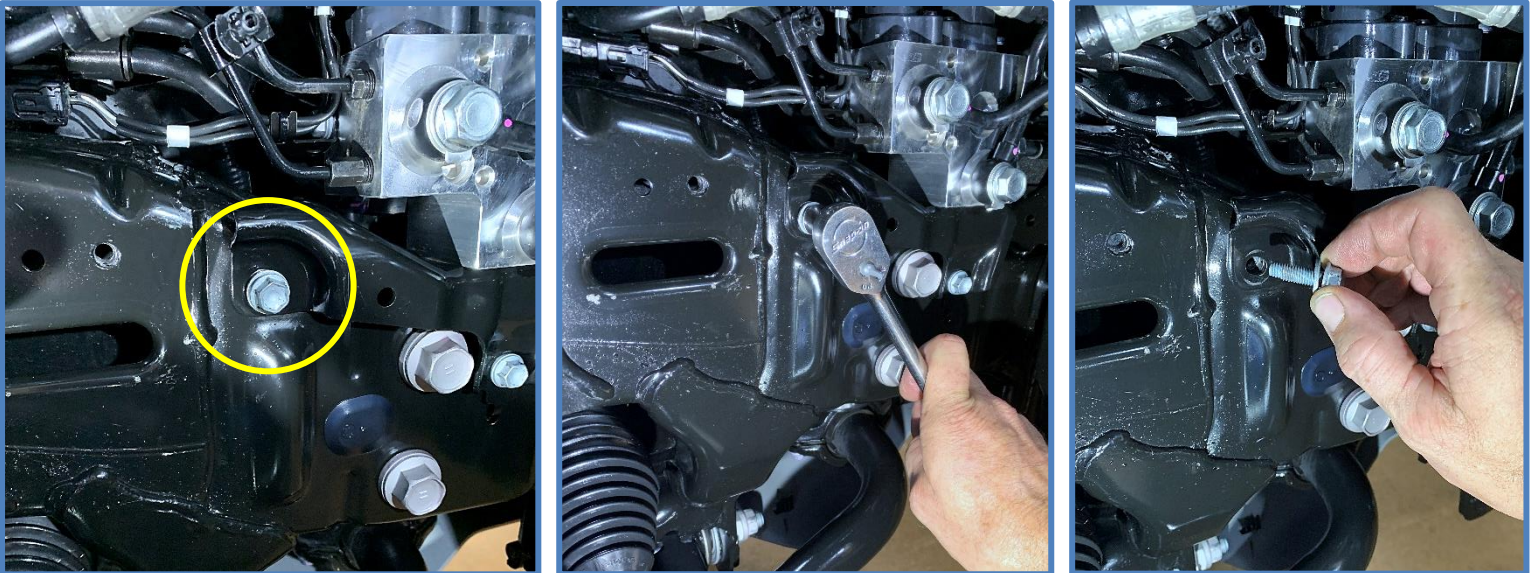


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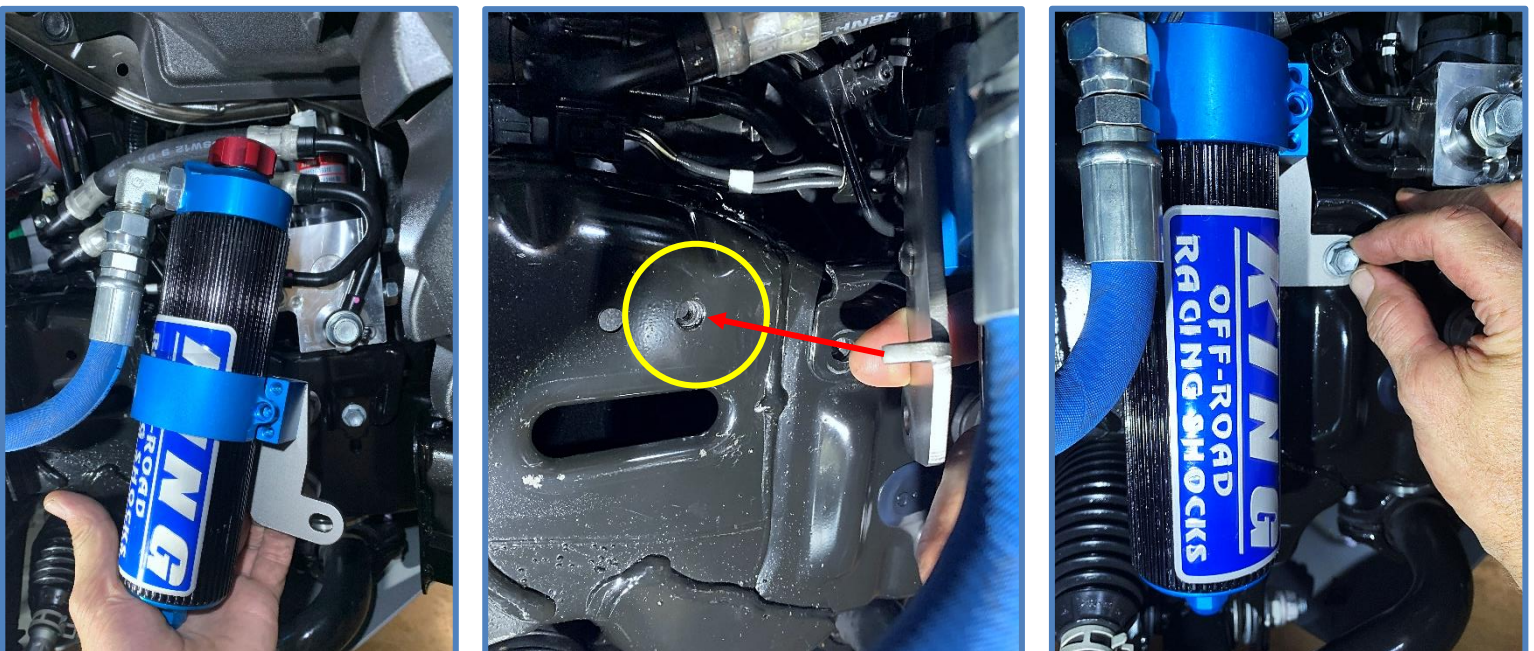
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Lexus GX550 Overtrail Reservoir Mounting –

Right Side – First remove the bolt from the bracket on the frame using a 12mm wrench or socket as shown below. You will reuse this bolt to mount the reservoir bracket in the next step.



Slide the reservoir into the clamp, then place the reservoir bracket on the frame so the tab on the back side of bracket goes into the threaded hole in frame as shown. The slotted hole should line up with the hole for the bolt you just removed. Reinstall the factory bolt and tighten to factory specs.



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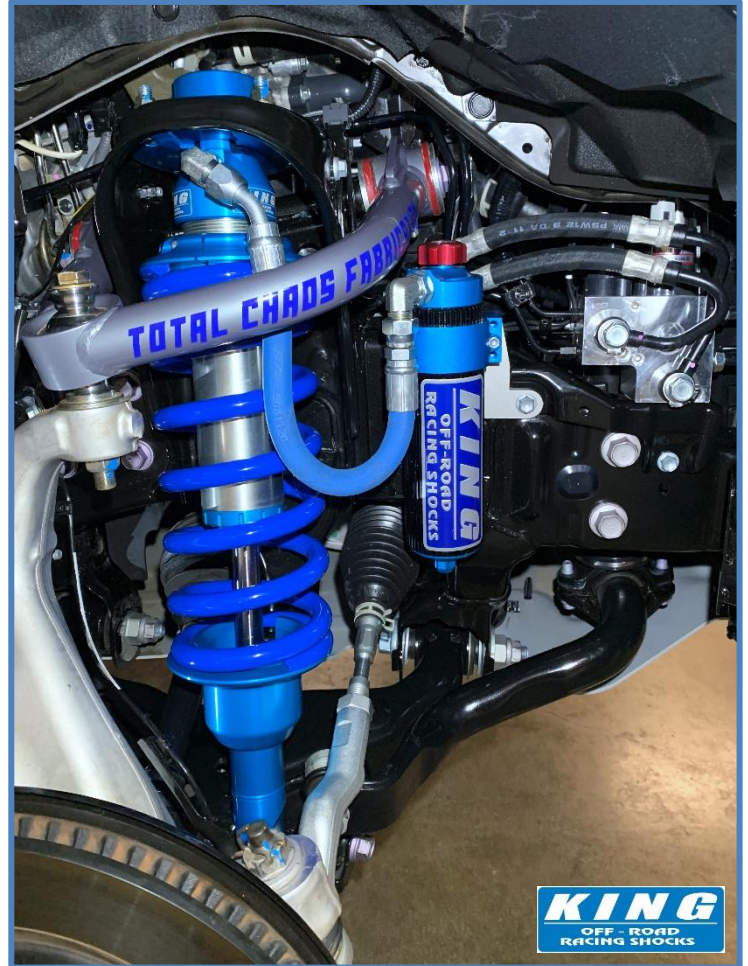
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LEFT

Lexus GX550 Overtrail

RIGHT



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