

INS-T018

KING
OFF - ROAD
RACING SHOCKS

Installation Instructions (Page 1)

2010 + Toyota 4Runner - FJ Cruiser - LandCruiser 150
Lexus GX460 2.5 Front Coilover

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

Front Parts List:

- 2 – Front Coil Over Shocks (25001-278) or (25001-133) or (25001-274)
- 2 – Front Reservoir Brackets (Left 25048-120 - Right 25048-121)
- 4 – Hose Clamps (62032)
- 4 – M10-1.25x40mm Bolts (CB1804)
- 2 – 3/8" Washers (CW1711)
- 4 – 3/8" x 3/4" Bolts (CB4702)
- 6 – M10x30mm Bolts (CB3701)
- 6 – Spacers (25091-001)
- 6 – 3/8" x 1" Bolts (CB4701)
- 10 – 3/8" SAE Flat Washers (CW1701)

Tools Required:

- Standard Wrench Set
- Metric Wrench Set
- Standard Socket Set
- Metric Socket Set
- Metric Allen Wrench Set
- Needle Nose Pliers
- Floor Jack/Jack Stands

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OEM PERFORMANCE SERIES KITS

- 2010 + Toyota 4Runner
- 2010 + FJ Cruiser
- 2010 + Land Cruiser 150
- 2010 + Lexus GX460

MADE IN
100%
MADE IN THE USA
FROM THE HIGHEST
QUALITY BILLET
ALLOY MATERIALS.
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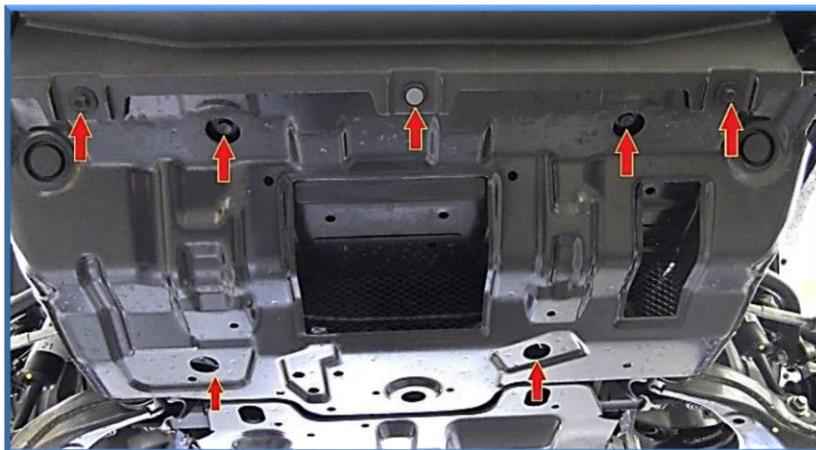


FRONT SHOCKS: With the vehicle on level ground, set the emergency brake and block the rear tires. Using a floor jack, raise the front end and support the frame rails with jack stands for safety. Then remove the front tires.

NOTE: Never work under an unsupported vehicle.

(These instructions cover several different models; some steps may vary or may not apply to your install.)

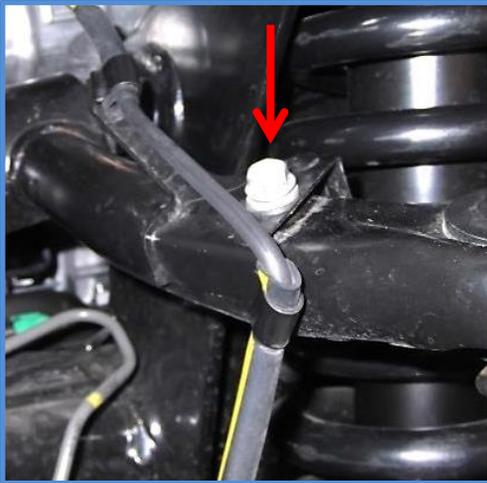
1. Remove the front skid plate. It is held on by 4 bolts. (Some models may also have two bolts and a plastic push pin that attach fascia to the skid plate. Remove those first), then remove the 4 skid plate mounting bolts, remove skid plate and set aside. Also remove the tubular skid plate support pieces that the skid plate was attached to.



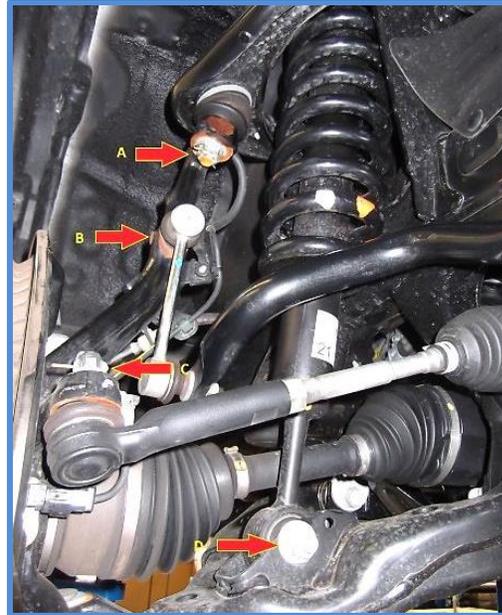
IMPORTANT: Read all instructions thoroughly from start to finish before beginning the install. Check parts list and make sure all parts are included in the kit. If the instructions are not properly followed severe frame, driveline and/or suspension damage may result. Check for frame and suspension damage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

2. Remove ABS sensor wire from the upper control arms.



3. Disconnect upper A-arms (A), sway bar links (B), tie rods (C), and lower shock mounting bolts (D).



Use an allen wrench to hold the sway bar link stud for removing and tightening nut.

4. Remove Sway Bar, notice that the sway bar mounting brackets are side specific and must be oriented properly when reinstalling.



5. Remove the three nuts from the upper mount and remove shock.



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6. Install the reservoir brackets to the frame (Reservoir brackets are side specific). Use the existing threaded holes in the frame (for the sway bar) to mount the reservoir brackets with the M10-1.25x40mm Allen head bolts and 1 of the small 3/8 washers for the slotted hole. You will install the sway bar to the threaded holes in the reservoir brackets using the 3/8 x 3/4" bolts provided in the kit after the shock is installed.



7. Install your new King coil over shocks by placing them in position in the mounts on the vehicle and get the upper 3/8 x 1" bolts started to hold it in place. Be aware that the shocks are side specific and need to be oriented so the reservoir hose is pointing toward the front of the vehicle. Also, the reservoir hose will be routed under the upper control arm. With the upper bolts installed but not tightened yet install the factory bolt in the lower mount, the head of the bolt should be facing the front of the vehicle so the nut is on the back side. You may need to push down on the lower control arm to get the lower shock mounting bracket and rod end to line up, do not force the bolt into the mount by pounding it in as this will damage the threads. Tighten all bolts.



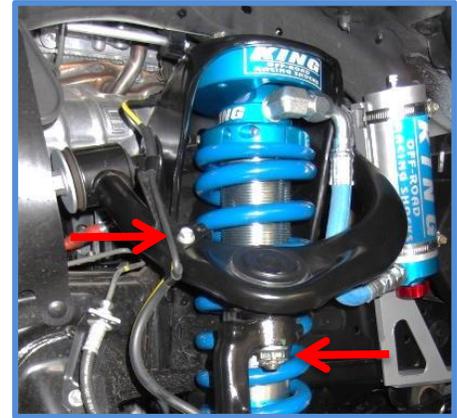
8. Install reservoir in the reservoir bracket using the provided hose clamps. Position the reservoir so it is centered in the cradle with the hose pointing straight back. Adjust accordingly.



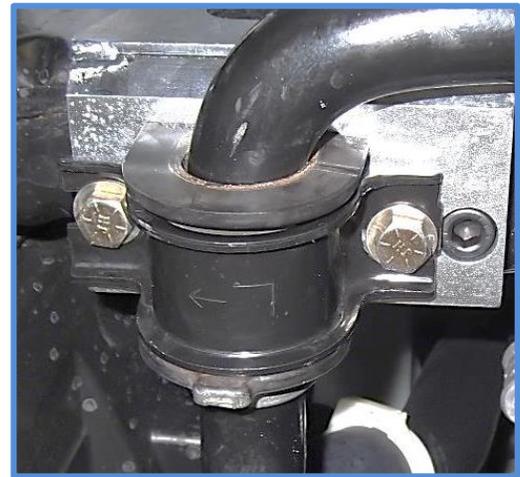
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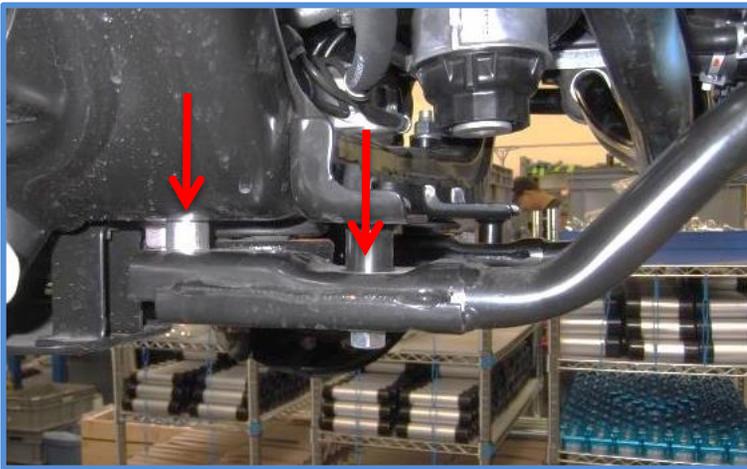
9. Reconnect the upper control arms, ABS sensor wires and tie rods.



10. Install the sway bar to the threaded holes in the reservoir bracket using the 3/8" x 3/4" bolts and washers provided in the kit. The factory sway bar brackets are side specific and stamped "L" and "R" with an arrow that points toward the front of the vehicle. After the sway bar is mounted to the frame you can reconnect the sway bar links to the steering knuckle upright.



11. Install the skid plate tubular support pieces using the spacers and M10x30mm bolts provided in the kit.



12. Install skid plate using the factory hardware.

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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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