

INS-T011



Installation Instructions (Page 1)

1989-1997 Toyota Land Cruiser 80 series Rear Bump Stop Kit (20AB001-102)

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

Rear Parts List:

- 2 – Rear Bump Stop Brackets (20AB424-117)
- 2 – Rear Bump Stop Bracket Nut Plates (20AB424-019)
- 2 – 2.0 Compact Bump Stops (BS2120)
- 4 – 3/8 x 1” Bolts (CB4701)
- 4 – 3/8 SAE Washers (CW1701)

Tools Required:

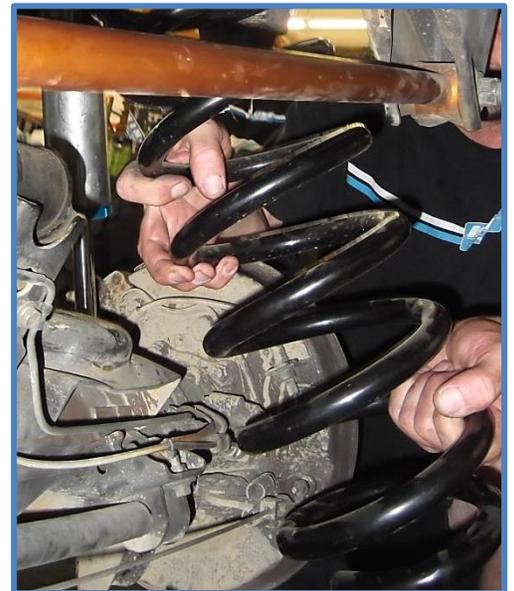
- Floor Jack/Jack Stands
- Metric Wrench/Socket Set
- Standard Wrench/Socket Set
- Drill and 2 1/4” Hole Saw

Toyota Land Cruiser 80 Rear Bump Stop Kit 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. Remove coil springs - Keep a jack under the axle to support it while removing lower shock mount bolts so that the axle does not abruptly drop down which could cause personal injury or damage to vehicles components. Remove the bolt from the lower shock mount on both sides using a 17mm wrench/socket. Pull lower end of shock off the mounting stud. Lower the axle to remove coil springs.



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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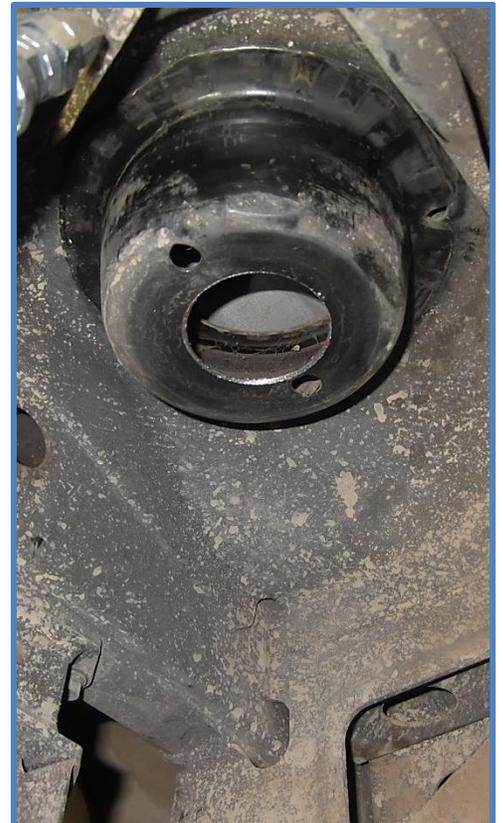
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2. Remove the factory bump stops by removing the bolt located up inside the bump stop using a 12mm socket with an extension.



3. Using a 2 1/4" hole saw, cut a hole in the center of the bump stop mount using the threaded hole in the center as a guide for the pilot bit.



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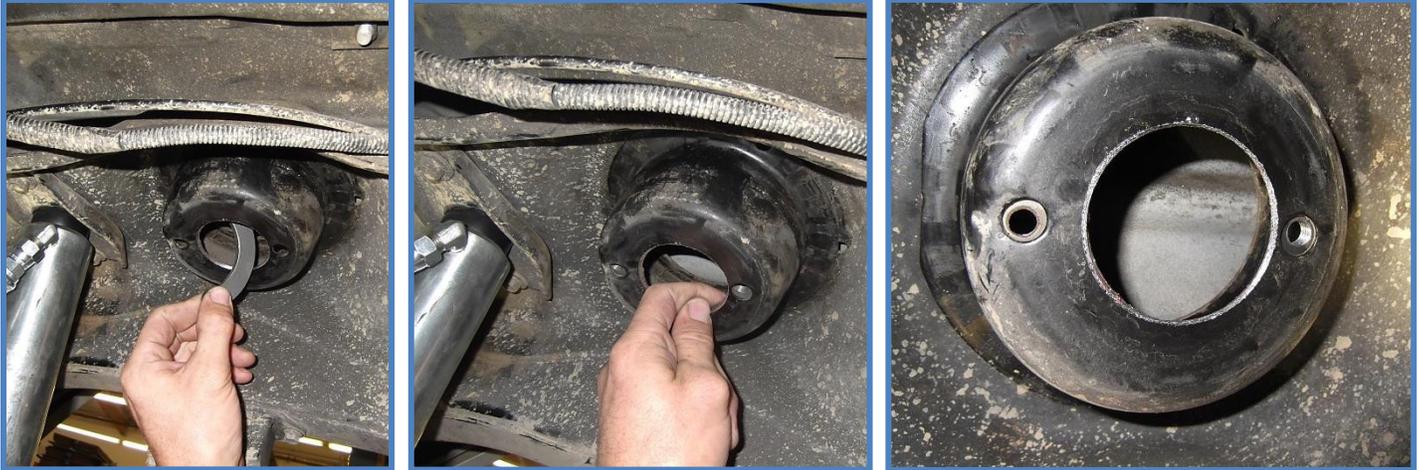
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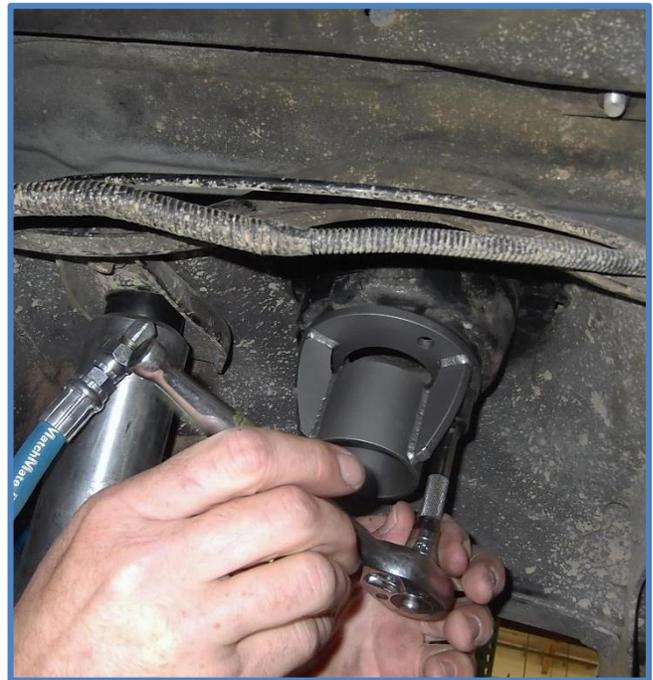
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4. Insert the threaded nut plate provided in the kit and line up with the existing holes as shown below.



5. Install bump stop brackets – Line up holes in brackets with the nut plate and install the 3/8 x 1” bolts with washer, be sure to use red lock tight. Tighten bolts to 35 ft/lbs.



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6. Install bump stops in the bump stop brackets. Remove the upper lock nut and slide bump stop into bracket. Thread upper nut back onto the bump stop. Leave nuts loose for now, you will adjust the bump stop position in the next step.



7. Adjust bump stops for proper position. First reinstall the lower shock mounts but leave the springs off so you can cycle the suspension. Jack the axle up until it is up as far as it can go. Typically on the rear of the 80 series Land Cruisers the axle stops on the outer rubber bump stops attached to the frame. Check all suspension components for clearance issues while jacking up the axle. Once you have determined where you want the axle to stop set the bump stop so that it bottoms out before any metal to metal contact happens, or just before the shock bottoms out, or at the same time the axle hits the **factory rubber bump stops** attached to the frame rails.



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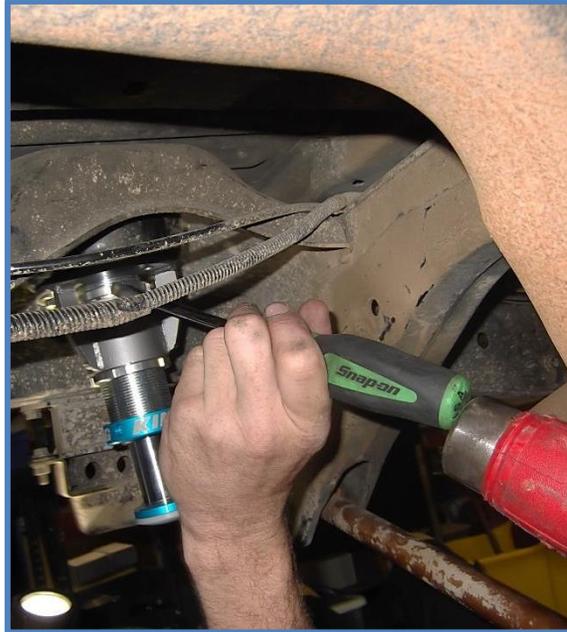
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Step 7 continued... **Additional note for setting up bump stops:** Tire size may play a role in setting up bump stops. If you are running 35" or larger tires you may want to install a tire while cycling suspension to limit up travel for tire clearance issues. This system is fully adjustable and can be set up any way you want to suit your needs. However, maximizing suspension travel is also important for optimal performance.

Adjust bump stops to the desired position, make sure set screws are backed out slightly and tighten lock rings with a screw driver and hammer. Tighten upper and lower nuts and then tighten set screws.



8. Install springs - Unbolt the lower shock mounts, lower the axle enough to install coil springs. Place springs over the bump stop bracket and align with the lower spring perch on axle. Jack axle back up so you can reinstall the lower shock mount hardware. Tighten lower shock mount bolts.



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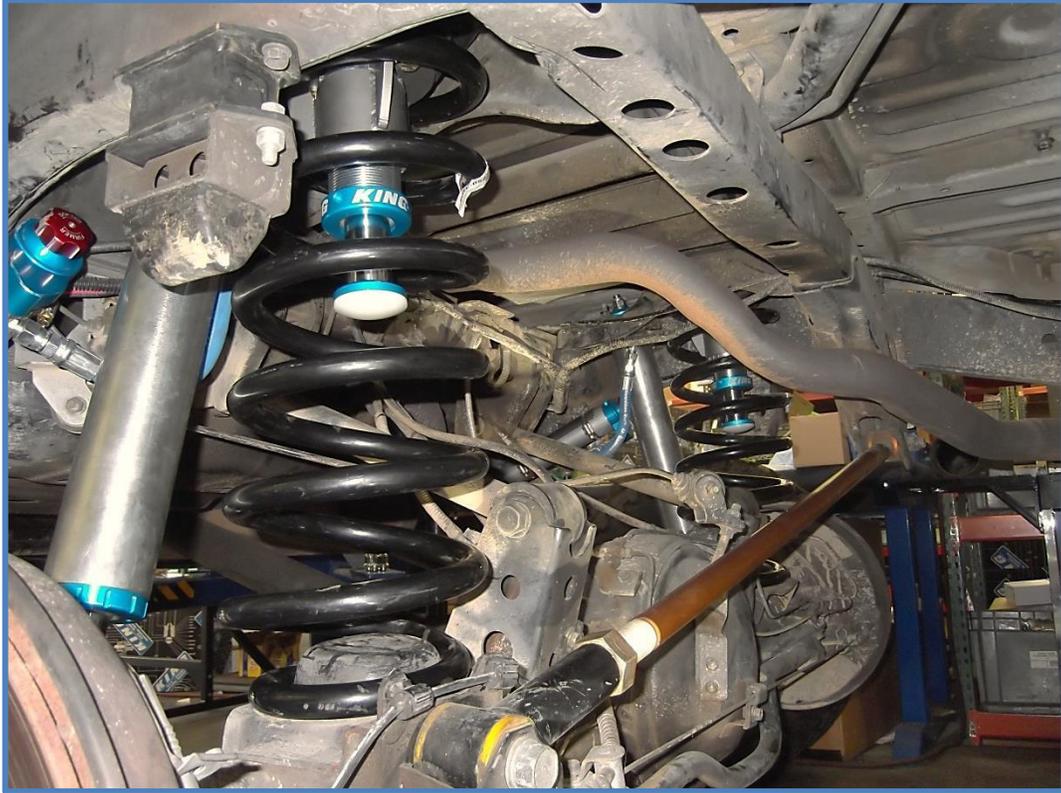
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DOUBLE CHECK ALL HARDWARE:

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.

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