



1989-1997 Toyota Land Cruiser 80 series Front Bump Stop Kit (20AB001-101)

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

Front Parts List:

- 1 – Left Front Bump Stop Bracket (20AB424-113)
- 1 – Right Front Bump Stop Bracket (20AB424-114)
- 2 – 2.0 Compact Bump Stops (BS2120)
- 4 – 1/4 x 1" Flat Head Screws (CB5501)
- 4 – 1/4" Nylock Nuts (CN2503)
- 4 – 1/4" SAE Washers (CW1501)

Tools Required:

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

Toyota Land Cruiser 80
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 coil springs - Keep a jack under the axle to support it while removing lower shock mount nuts so that the axle does not abruptly drop down which could cause personal injury or damage to vehicles components. Remove the nuts from the top of the coil bucket. Remove the nut from the lower shock mount on both sides. Lower the axle to remove coil springs and factory bump stops.



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.

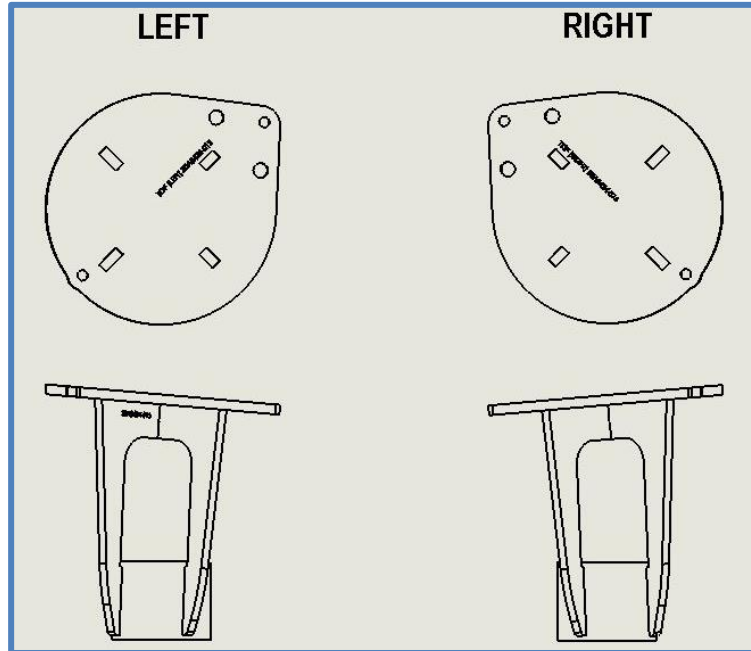
This kit does not require welding. Do not weld on any component. Welding may void the warranty and/or cause the product to fail. If any parts are missing, or for tech assistance; Contact King Off Road Racing Shocks: 714-530-8701 Most important after the install, Feel the difference and have fun.



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2. Bump Stop Brackets are side specific make sure you are mounting the brackets on the correct side.
See illustration below for left and right brackets.



3. Install bump stop brackets using the provided 1/4 x 1" flat head screws, washers and nuts.



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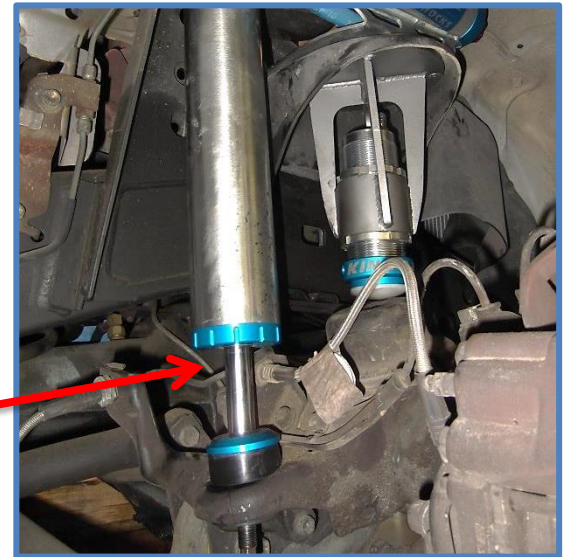
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4. Install bump stops in the bump stop brackets. Remove the upper lock nut and slide bump stop into bracket. Thread upper nut back onto the bump stop. Leave nuts loose for now, you will adjust the bump stop position in the next step.



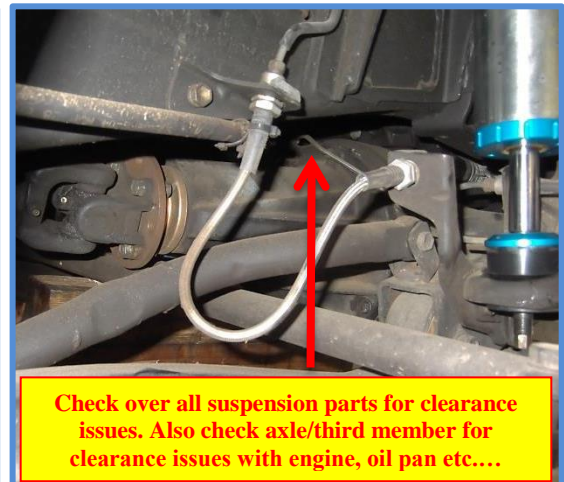
5. Adjust bump stops for proper position. First reinstall the lower shock mounts but leave the springs off so you can cycle the suspension. Jack the axle up until it is up as far as it can go. The shock will probably not be bottomed out due to several clearance issues that occur before shock is fully compressed... Make sure that the shock does not hit brake line bracket. Check drag link, track bar and sway bar for clearance issues. 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.

Most 80 series Land Cruisers will be setup like the photo to the right with the bump stop bottomed out just before the shock would hit the brake line bracket



Make sure that the shock does not hit brake line bracket.

Check track bar and drag link for clearance issues.



Check over all suspension parts for clearance issues. Also check axle/third member for clearance issues with engine, oil pan etc....

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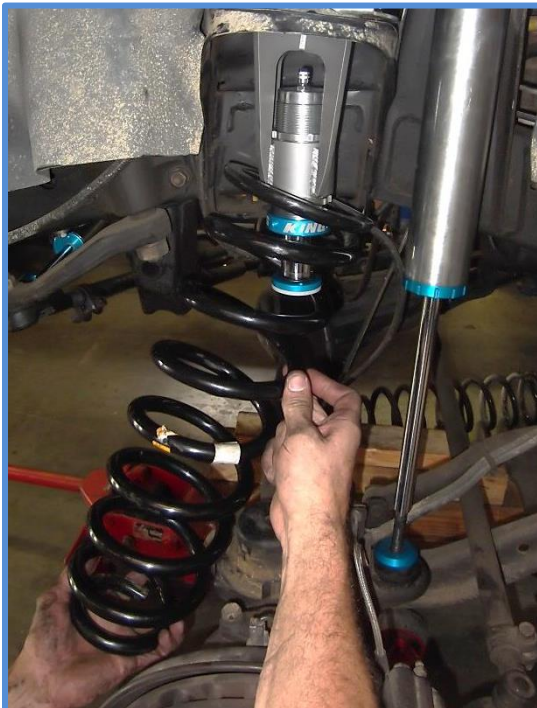
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Additional note for setting up bump stops: Tire size may play a role in setting up bump stops. If you are running 35" or larger tires you may want to install a tire while cycling suspension to limit up travel for tire clearance issues. This system 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.

6. 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.



7. 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 nuts.



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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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