



Self-Adjusting Suspension Stabilizers

Independent tests showed SuperSprings improve driving control by 29%

Installation Instructions

For easy installation, you will need to:

- READ ALL the instructions completely before beginning.
- Have the necessary tools available

Tools required:

- 2 - 3/4" wrenches
- 2 - 1/2" wrenches
- 1 - C-clamp

SAFETY NOTICE: WE RECOMMEND THAT THIS INSTALLATION BE DONE BY A PROFESSIONAL OR PERSONS WITH SOUND MECHANICAL KNOWLEDGE.

SUPERSPRINGS are designed to work in conjunction with original equipment (factory) springs only. Please consult SuperSprings factory (866-898-0720) if original springs have been replaced with an after-market product.

WARNING: These instructions are meant to be a general guide for installing SuperSprings. SuperSprings International assumes no liability for the actual installation process. Consumers should apply common automotive safety practices when raising and working on any vehicles. Do NOT put yourself in a position where if the vehicle should move unexpectedly, you may be seriously hurt. SuperSprings are designed to improve vehicle carrying capacity and road handling. Do NOT load any vehicle beyond the manufacturer's specifications.

LIMITED WARRANTY

See separate warranty information page.

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Prior to installation ensure the following steps have been taken:

Vehicle must be on level solid surface.

Parking brake ON - Ignition OFF.

Place blocks in front and rear of the front tires to prevent the vehicle moving.

During and / or after installation

Ensure emergency brake cables are not touching the SuperSprings blade(s). Secure them out of the way with zip ties or by re-routing. Avoid all air conditioning lines, all fuel filler hoses and all brake lines or cables.

Installation Instructions: SuperSprings Models: SSA4
For TOYOTA TUNDRA 2007~Present (New Body Style)

Front / Rear

The SSA4 springs do NOT have a specific left or right; however, for this application the square shackle on one end of the SuperSprings install to the rear. Please check the SuperSprings website (www.supersprings.com) for color images of this and other installations.

Step 1: Positioning the vehicle: Vehicle must be on level solid surface. Ensure emergency brake is ON, Ignition is OFF. Place blocks in front and rear of the front tires to prevent the vehicle moving. With the vehicle still on the ground (**one side at a time**), loosen axle u-bolts to allow removal of the factory bump-stop. After removal retighten the u-bolts to factory specifications. **Important:** After 500 miles of driving, ensure u-bolt torque.

Step 2: Jacking up vehicle: **Place the jack on chassis/frame member - not the axle or differential.**

Raise one or both sides of vehicle so that rear wheel(s) is slightly off the ground. Place jack stands under the frame. You may remove the wheel for easier installation access but this is optional.

Step 3: Place the PSP-4 block so it straddles the top of the spring pack where the factory bump-stop was removed.

Insert one of the two provided hold down cross plates into place through the steel channel atop the PSP-4. (Fig. A) Slip SuperSpring over the wheel or slide in from behind with the square shackle to the rear. Then position it on the PSP-4 riser. Observe & **adjust position of brake cables** that might interfere with the SuperSprings blades & or shackles.



Fig. A



Fig. 1



Fig. 2

Spring position will be off center forward of mounting block

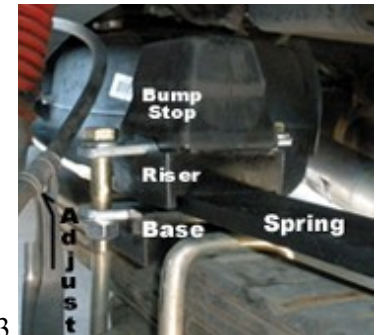


Fig. 3

Step 4: Attach rear SQUARE shackle and position it as seen in: (Fig. 1)

Position the rear shackle ensuring you have optimum clearance in both the horizontal (front to back) and the vertical. SuperSprings do NOT have to be centered, position approximately as seen in above images. Reinstall the shackle bolt, polypropylene (black) roller and steel roller. Tighten nut till shackles are snug against steel roller; avoid over tightening lock nuts.

Note: The SuperSprings eye or top shackle bolt torque is factory set ~ **Do Not** tighten further.

Step 5: Attach front shackle: (Fig. 2) Use C-Clamp and pull down spring blade to allow attachment of front shackle. Some installations will not require use of clamp. Using the upper shackle bolt hole as shown in Fig.2, reinstall shackle bolt, rollers, nut & tighten as in step 4 above.

Step 6: With the spring blade installed, position bump-stop and riser block centered above PSP-4 as seen in Fig. 3.

Insert remaining hold-down cross plate through bottom channel of new bump-stop. Secure assembly using the provided 1/2" bolts, washers and nuts. Tighten firmly ensuring block components are secured into place. **Important:** After 500 miles of driving, retighten the nuts on the mounting kit.

Step 7: Check final alignments

Ideal position for the rear shackle roller will allow 3/4" to 1" axle-ward/forward clearance from any obstacles [leaf/clip]. Front rollers only require 1/4" clearance in either direction. Look to create maximum clearance from vehicle frame, both above and end-to-end when positioning springs. Recheck that all brake cables [& A/C lines if present] will not be interfered with by the vertical travel of the SuperSprings

Step 8: Repeat the same process on the other wheel. Remove stands, lower the vehicle, and remove blocks.

Step 9: Retighten the nuts on the hold-down clamps that secure the bumpstops to the mounting blocks.

Step 10: Road check of operation, check the clearances again after applying a load.

SuperSprings®

Suspension Enhancement

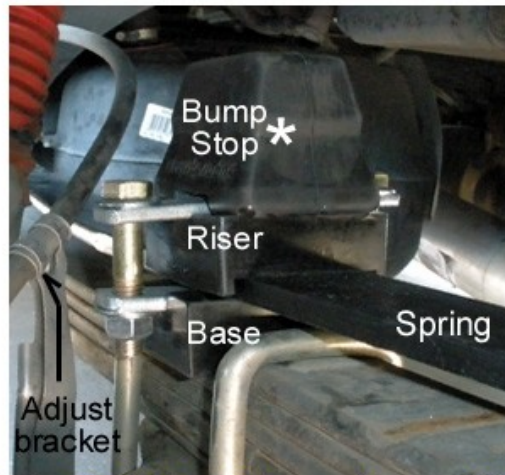
Toyota Tundra [07' - present]

SuperSprings SSA4 Tundra Solution

Micro-Cellular Polyurethane Progressive Stops
with PSP4 Mounts



**PSP4
Poly Spring Pad
mounts**



**Remove stock
bumpstop**



*** Micro-Cellular Polyurethane Stops ***



**Std shackle to front,
use upper bolt hole**



Square shackle to rear

Refer to SuperSprings application guide for part selection www.supersprings.com [Techline #866-898-0720]
SuperSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR ratings.

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