



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

Front / Rear

The SSA4 springs have a specific left and right side; unless specified otherwise install springs with bolt threads facing outward. These springs also have a specific front and rear side. Our website includes detail color installation images viewable at www.supersprings.com/supersprings_installation.asp

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. Reference the “Retightening Instructions” on page 4. **Important:** After 500 miles of driving retighten u-bolts again.

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 the hold down cross plate into place through the steel channel atop the PSP-4. (Fig. A)
Position SuperSprings on the PSP-4 riser with the one hole shackle to the rear. **Adjust position of brake cable bracket** so that cable avoids all contact with SuperSprings blade or shackle. (Fig. 1)



Fig. A

Spring position will be off center forward of mounting block

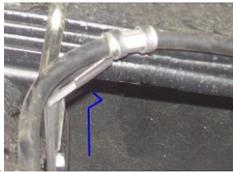


Fig. 1



Fig. 2



Fig. 3

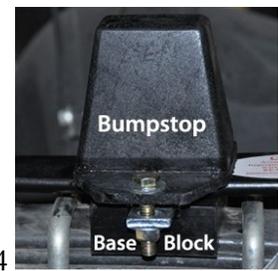


Fig. 4

Step 4: Attach rear one-hole shackle and position it as seen in Fig. 2.

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 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. 3) Use C-Clamp and pull down spring blade. Some installations will not require use of clamp. Use upper shackle bolt hole as shown in Fig.3. Reinstall shackle bolt, nut & tighten as in step 4.

Step 6: With the spring blade installed, position bump-stop centered above PSP-4 as seen in (Fig. 4). Secure assembly using the 3/8” bolts, washers and nuts provided. Tighten firmly to ensuring components are secured in place. **Important:** After 500 miles of driving retighten bumpstop nuts.

Step 7: Check final alignments

Ideal position for the rear shackle roller will allow 3/4” to 1” 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: Test drive. Check 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

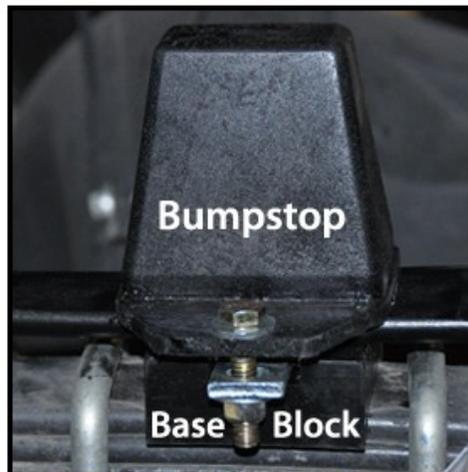


Remove stock
bumpstop



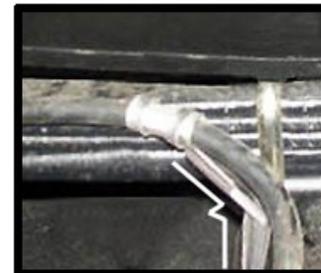
PSP4
Poly Spring Pad
mounts

Base



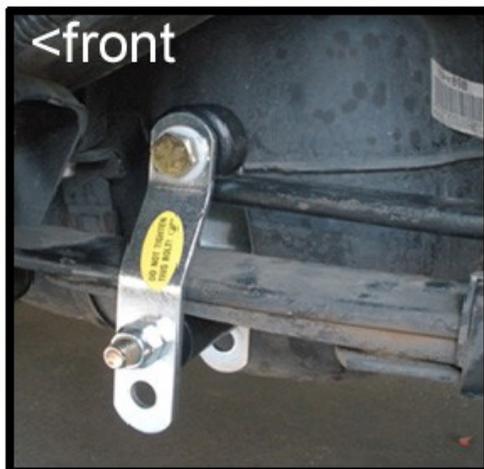
Bumpstop

Base Block



Adjust the cable bracket
so that the brake cable
avoids the
SuperSprings

* 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.

Tundra Rear Spring U-Bolts retightening

- (a) With the spring seat, 2 U-Bolts, 4 washers and 4 nuts in position.
- (b) Tighten the nuts in the order shown in the illustration.
- (c) Torque to 100 N-m (1020 kgf-cm, 74 ft-lbf)
- (d) Hint: Install the U-Bolts so that the lengths of the 4 ends under the spring seat are the same.

Bolt tightening sequence

