



## 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 LIFETIME WARRANTY

For the lifetime of the vehicle for which the SuperSprings were originally purchased, SuperSprings International will replace any part of this product found to be defective under normal use—free of charge. SuperSprings International will not be held liable for any incidental or consequential damages, including the cost of installation or reinstallation. While this warranty gives you specific legal rights, you may also have other rights which vary from state to state.

SuperSprings International Corporation  
5055 Sixth Street, Carpinteria, CA 93013  
www.supersprings.com

Technical Support: 866-898-0720  
Email: gerry@supersprings.com

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

Installation Instructions  
SuperSprings Model # SSA12

Front / Rear

The SSA12 springs do NOT have a specific left or right side; however, they do have a specific front or rear side. Position the square shouldered shackle to the front and the sloping shackle to the rear.

**Step 1: Positioning the vehicle:**

Vehicle must be on level solid surface. Ensure emergency brake is ON and Ignition is OFF.  
Place blocks in front and rear of the front tires to prevent the vehicle moving.

**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. Support vehicle with jack stands.  
You may remove the wheel for easier installation access but it is not required.

**Step 3: Where factory springs are above axle and mounting kit (MTKT) is used:**

Fig. 1

Place mounting bracket (from separate white box) on top of factory springs directly above axle.

Using U-bolts & hardware supplied, attach mounting bracket to factory springs.

Slip SuperSpring through wheel well or slide in from behind vehicle, positioning it above MTKT (Fig. 1)



**Step 4: Where factory springs are above axle and Poly Spring Pad (PSP) is used:**

Fig. 2

Place PSP flat side up, centered on U-bolt retainer plate. (Fig. 2)

Factory U-bolts facing up or down has no effect on this installation.

Slip SuperSpring through wheel well or slide in from behind vehicle, positioning above PSP. (Fig. 3)



**Step 5: Attach front shackle:**

Ensure all A/C lines and brake cables that might be damaged by SuperSpring blades are clear. Where additional lift or clearance is required, use shackle upper bolt hole. All other cases use lower bolt hole.\* Attach bolt on front shackle using both polypropylene (black) rollers and steel rollers.

**Step 6: Attach rear shackle:**

Use C-Clamp and pull down rear shackle. Some installations will not require use of clamp. Attach bolt on back shackle (as in #5 above) and tighten.\*  
**NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.**



**Step 7: Install Hold-down Clamp (MTKT installations only)**

Slide Hold-down Clamp over SuperSpring and mounting bracket, bolt holes away from tire.

Install bolt, washers and nut, and secure tightly with wrench.

Fig. 3

**Step 8: Check final alignments**

Note: Springs do not have to be centered on mounting bracket over axle.

Position springs shackles to provide rear rollers with  $\frac{3}{4}$ " to 1" forward clearance from any obstacles.

Front rollers only require  $\frac{1}{4}$ " clearance in either direction.

Recheck that no A/C lines or brake cables will be interfered with by the vertical travel of the SuperSprings.

**Step 9: Repeat the same process on the other wheel.**

**Step 10: Lower the vehicle and remove jack and blocks.**

**Step 11: RETIGHTEN ALL MOUNTING KIT U-BOLT NUTS SNUG** – Do not over-tighten.

\* See "Shackle Options" on SuperSprings website @ [www.supersprings.com](http://www.supersprings.com) for more information.