



## 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.

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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 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 # SSA14

Front / Rear

The SSA14 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 rear and the sloping shackle to the front.

**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: Installing mounting kit (MTKT):**

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)  
Do NOT over-tighten U-bolt nuts.

Fig. 1



**Step 4: Attach rear shackle:**

Ensure all A/C lines and brake cables that might be damaged by SuperSpring blades are clear. Position the rear (square) shackle ensuring you have optimum clearance in both the horizontal (front to back) and the vertical. The square shackle is being used to create additional clearance between the top of the SuperSprings and the underside of the vehicle. Reattach bolt and nut in shackle using both polypropylene (black) rollers and steel rollers.

Special note for GM Van installations: In some year models there is limited space between the lower shackle bolt and the vehicle frame. If you encounter this be sure to have the bolt head (not the nut) positioned closest to the frame. If the bolt head is still in contact with the frame, remove the steel roller and trim off 3/8" material. This will create ample clearance.

**Step 5: Attach front shackle:**

Use C-Clamp and pull down front shackle. Some installations will not require use of clamp. Use lower shackle bolt hole.\* Reattach bolt on front shackle (as in #4 above) and tighten.  
**NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.**

**Step 7: Install Hold-down Clamp**

Slide Hold-down Clamp over SuperSpring and mounting bracket, bolt holes away from tire.  
Install bolt, washers and nut, and secure tightly with wrench.

**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 3/4" to 1" forward clearance from any obstacles.  
Front rollers only require 1/4" clearance in either direction.  
Also look to create maximum clearance from vehicle frame, both above and end-to-end when positioning springs.  
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.