



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:

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

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

**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.

*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. Position the SuperSprings so there is sufficient clearance from any frame contact both horizontally and vertically. Also, where applicable, the ends (eye) of the SuperSprings must avoid contact with any factory overload spring perch or bracket.*

## Installation Instructions SuperSprings Model # SSA7

The SSA7 springs have a specific left and right. Unless specified otherwise install springs with bolt threads facing outward. The springs do have a specific front and rear. Please check the SuperSprings website or included application sheet for your vehicle front/back configuration.

**Step 1:** Vehicle must be on a solid, level 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:** Raise vehicle so that rear wheel(s) is slightly off the ground. Support vehicle with jack stands securely under the frame. You may remove the wheel for easier installation access but it is not required.

**Step 3:** Where factory springs are located below the axle:

Slip SuperSpring over the wheel or slide in from behind, and position it on top of the axle directly over the factory springs. Go to Step 6.

**Step 4:** When factory springs above the axle and a mounting kit (MTKT\* or MXKT\*) is called for:

Place mounting kit bracket on top of factory springs directly above axle. Attach mounting bracket to factory springs with U-bolts, cross plates, and nuts. Securely tighten hardware. After 300-500 miles check and retighten hardware as necessary. Slip SuperSpring through wheel well or slide in from behind vehicle, positioning it on top of mounting bracket. Go to step 6.

**Step 5:** Where factory springs are above the axle and PSP (poly spring pad) is used:

Refer to application specific pages to determine which PSP to use for your vehicle. Place PSP on top of factory spring plate so that it locates on center bolt and spring pad as shown.

**Position the SuperSprings so there is sufficient clearance from any frame contact both horizontally and vertically.**

**Step 6:** Ensure all A/C lines and brake cables that might be damaged by SuperSpring blades are clear of interference. Where additional lift or more vertical clearance is required, use the shackle upper bolt hole position. In other cases use the lower bolt hole. Attach bolt on front shackle using both polypropylene (black) rollers and steel sleeve. Tighten roller bolts and nuts hand tight so hardware is snug. No heavy torque required.

**Step 7:** Using C-Clamp, pull down rear shackle. Some installations will not require use of clamp.

Attach bolt on back shackle (as in #6 above) and tighten. Don't over-tighten nuts.

**NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.**

**Step 8:** Install Hold-down Clamp (Only use on spring above axle assembly with MTKT or MXKT).

Clamp does not have to be centered on spring. Bolt one side of the clamp together. Slide crossplates over SuperSpring and under mounting bracket. Attach bolt, washer and nut to the opposite side and secure tightly with wrench.

**Step 9:** Check final alignments. 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. Recheck that no A/C lines or brake cables will be interfered with by the vertical travel of the SuperSprings.

**Step 10:** Repeat the same process on the other side of vehicle.

**Step 11:** Lower the vehicle and remove jack and blocks. Where MTKT/MXKT are used, ensure u-bolt nuts are tight.

**Step 12:** **Recheck installation to ensure that all a/c lines, brake cables and truck frame will not interfere with the vertical travel of the SuperSprings.**

**Step 13:** **NOW SECURELY RETIGHTEN ALL U-BOLT NUTS. AFTER 200-500 MILES RETIGHTEN U-BOLTS AGAIN.**

# SuperSprings®

Suspension Enhancement

**GM Astro~ Safari Van**

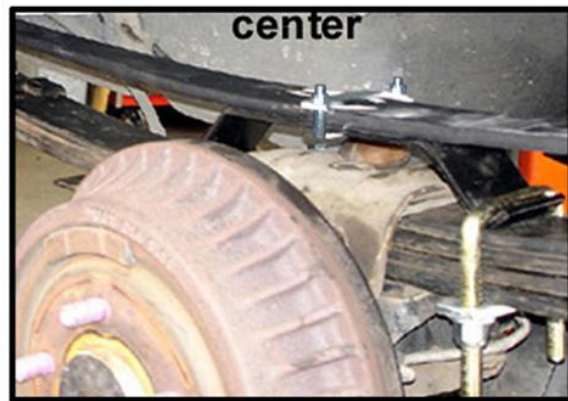
[1996 ~ 2005 w/steel multi-leaf factory springs only]

**SuperSprings SSA7 with MTKT**



SuperSprings Mounting Kit Part#MTKT

Mounting kit installed



Rear: Use Square 2 hole shackle



Select pre-load, to > use upper hole

# SuperSprings®

Suspension Enhancement

GM Colorado / Canyon  
Pick-up ~ Cab Chassis [2004 ~2012]  
SuperSprings SSA3 / SSA7



non- Z71 factory  
suspension



Both part numbers



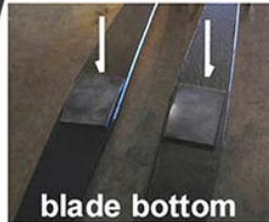
Adjust preload & ride height,  
select upper shackle hole for  
heavy applications

front ~ spring eye bolt threads out



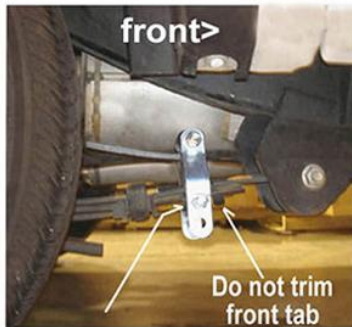
Adhesive  
backed  
pads

Neoprene pads  
\* [included]  
Adhere



blade bottom

SSA3



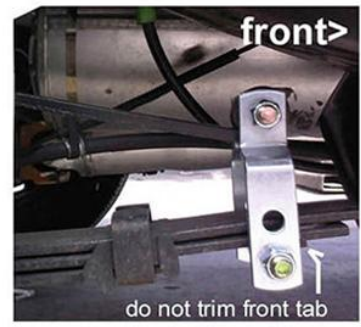
select upper shackle hole

front & rear ~ adjustable preload

Z71 factory  
suspension



SSA7



do not trim front tab  
square shackle to front

# SuperSprings®

Suspension Enhancement

Dakota 4x4 [1987 ~ 2011]

Dakota 2x4 [2005 ~ 2011]

SuperSprings Part# SSA2 ~ SSA7 with MTKT



Install shackle against the  
alxe side of the last plastic tab



Use upper bolt position in front