



## 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: SSA2; SSA5; SSA6; SSA8; SSA9; SSA30; SSA31

### Front / Rear

The above listed springs do NOT have a specific left or right; front or rear; they will all work in either direction.

#### 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 located below the axle:

Slip SuperSpring over the wheel or slide in from behind, and position it above the axle. (Fig. 1 - Lower)

Go to Step 5.

#### Step 4: Where factory springs are above the axle & mounting kit (MTKT) is used:

Place mounting bracket (from separate white box) on top of factory springs directly above axle. **Ford Ranger 2010 SSA30 and SSA31 include longer MTKT bracket for avoiding the sensor on the OEM disc brakes.**

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 – Upper)



Fig. 1

#### 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 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 rollers. Don't over-tighten nuts.

#### 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. Don't over-tighten nuts.

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

Step 7: Install Hold-down Clamp (Only use on spring above axle assembly with MTKT). Lower the vehicle to the ground to compress the springs onto the mounting bracket.

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 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: **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 12: NOW SECURELY RETIGHTEN ALL U-BOLT NUTS