SuperSprings®

PATENTED

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:
• 1 – 1 1/16" wrench / socket
• 1 – 1 1/8" wrench / socket
• 1 – Sturdy 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.

<u>Installation Instructions</u>
<u>SuperSprings Model # SSA17 & SSA26</u>

The SSA17 & SSA26 springs have a specific left and right. Unless specified otherwise install springs with bolt threads facing outward. They also have a specific front and rear.

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: Place PSP on top of factory spring plate so that it locates on center bolt and spring pad as shown. Place lockdown kit u-bolt in the groove of the PSP. Slip SuperSpring through wheel well or slide in from behind vehicle, positioning it on top of the PSP. Position lockdown kit u-bolt with the threads pointing up, install the clamp and thread nuts lightly onto u-bolt.

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

Step 4: 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 steel roller and sleeve. Tighten roller bolts and nuts hand tight so hardware is snug. No heavy torque required.

Step 5: Using a heavy duty C-Clamp or SuperSprings installation tool, pull down rear shackle. Attach bolt on back shackle (as in #4 above) and tighten. Don't over-tighten nuts. NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.

Step 6: Check final alignments. Springs do not have to be centered on mounting bracket over axle. Position springs shackles to provide rear rollers with ¾" to 1" <u>forward</u> clearance from any obstacles. Front rollers only require ¼" 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 7: Once the spring is in the proper position, securely tighten down the nuts on the lockdown clamp.

Step 8: Repeat the same process on the other side of vehicle.

Step 9: Lower the vehicle and remove jack and blocks.

Step 10: Recheck installation to ensure that all a/c lines, brake cables and truck frame will not interfere with the vertical travel of the SuperSprings.

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Supension Enhancment

Ford F-450 ~ F-550 SD Chassis Cab [1999 ~ 2016]
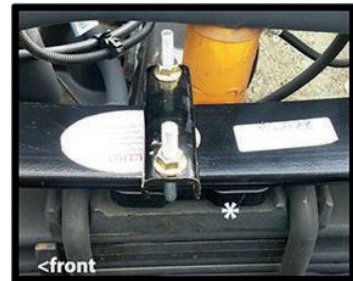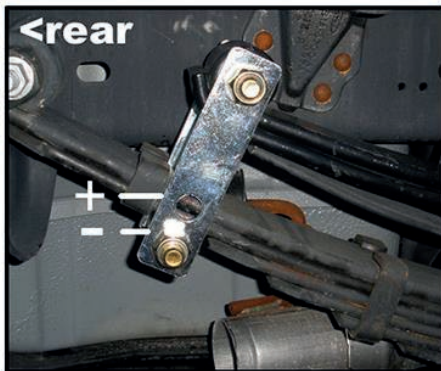## w/ PSP-11 & Spring Lock-Down Kit
SuperSprings Part# SSA17 ~ SSA26

Remove spring clip bolt found at both ends of F-550 spring pack

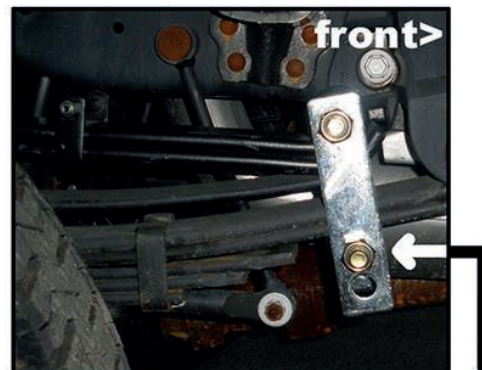Place PSP11 on top of spring plate flat side up facing, with groove toward the front

Install the SuperSprings as pictured below, then thread the channel crossplate on to the ubolt. Tighten securely.

<rear

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Select preload & ride height

Install rear shackle first followed by front shackle.

front>

Use upper shackle hole at front

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Supension Enhancment

Ford F-450 ~ F-550 SD Chassis Cab [2017]
with PSP-7 & Spring Lock-Down Kit
SuperSprings Part# SSA17 ~ SSA26

Remove spring clip bolt found at both ends of F-550 spring pack

OE spring plate

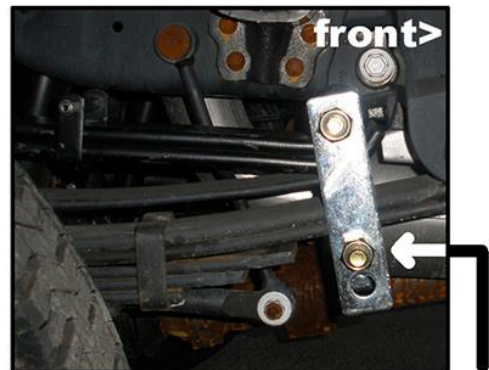PSP7 installed

Center
OE
spring plate

front >

"Spring Lock-Down Kit" installed toward the front of the truck between the PSP7 poly pad and the SuperSpring

<rear

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Install rear shackle first followed by front shackle.

front>

Select preload & ride height

Use upper shackle hole at front

SuperSprings®

Suspension Enhancement
GM C4500 ~ C5500
[2003 - 2010]
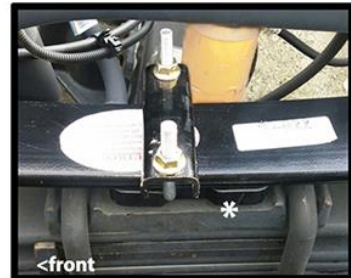## SuperSprings Part# SSA17 with PSP mounting kit

Typical PSP Mounting Kit Installation

PSP11 with hold-down clamp assembly

Place PSP11 on top of spring plate flat side up facing, with groove toward the front

Install the SuperSprings as pictured below, then thread the channel crossplate on to the ubolt. Tighten securely.

<rear

front>

SuperSprings®

Suspension Enhancement

GM C4500 ~ C5500 [2003 ~ 2010]
w/ PSP-11 & Spring Lock-Down Kit
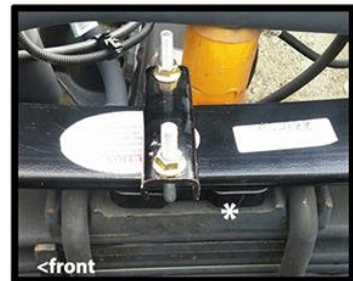## SuperSprings Part# SSA17 ~SSA26

Typical Center Mounting Kit Installation

PSP11 with hold-down clamp assembly

Place PSP11 on top of spring plate flat side up facing, with groove toward the front

Install the SuperSprings as pictured below, then thread the channel crossplate on to the ubolt. Tighten securely.