



## 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.

**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.

SuperSprings International Corporation  
505 Maple Avenue, Carpinteria, CA 93013  
www.supersprings.com

Technical Support: 866-898-0720  
Email: tech@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 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 # SSA22 ~ SSA25 ~ SSA40

The SSA22, SSA25 & SSA40 springs do not have a specific left/right or front/rear. Unless specified otherwise install springs with bolt threads facing outward. Please see the SuperSprings website or attached flyer for vehicle specific information.

[http://www.supersprings.com/supersprings\\_installation.asp](http://www.supersprings.com/supersprings_installation.asp).

**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 with cross-groove forward. 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:** Using a heavy duty C-clamp or Supersprings installation tool pull down the rear shackle first engaging the shackle legs around the factory leaf springs using bolt, steel roller and sleeve. Tighten roller bolts and nuts hand tight so hardware is snug. 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 shackle lower bolt hole position.

**Step 5:** Using a heavy duty C-Clamp or SuperSprings installation tool, pull down the front shackle. Attach front shackle with bolt, sleeve and roller (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" forward 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.

# SuperSprings®

Suspension Enhancement

**Dodge 2500 [1994 ~ 2002]**

**SuperSprings SSA22 ~ SSA25 ~ SSA40 with PSP mounting kit**



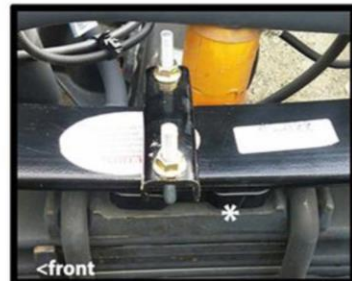
## Typical PSP Mounting Kit Installation



PSP-7 with hold-down clamp assembly \*



<front>  
Place PSP-7 on top of spring plate flat side up facing, with groove toward the front



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



<rear>  
trim shackle length to use upper hole



front>  
adjustable pre-load & ride height

Refer to SuperSprings application guide for part selection [www.supersprings.com](http://www.supersprings.com) [Tech line #866-898-0720]  
SuperSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.

# SuperSprings®

Suspension Enhancement

## Ford F-450 Super Duty Pick-up

[2008 ~ 2010]

SuperSprings SSA22 ~ SSA25 ~ SSA40 with PSP mounting kit



### Typical Center Mounting Kit Installation



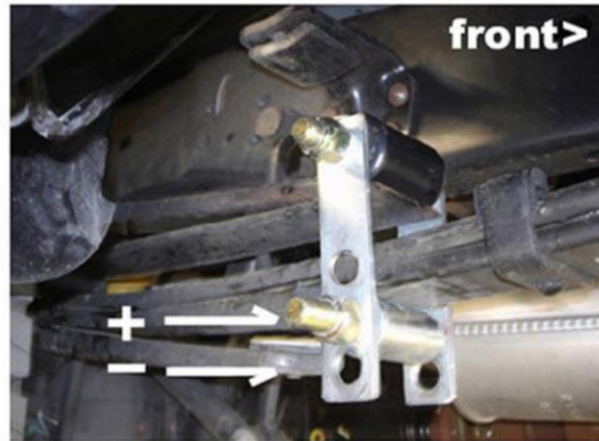
PSP11 with hold-down clamp assembly



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 bolt. Tighten securely.



### adjustable spring pre-load & ride height

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# SuperSprings®

Suspension Enhancement

Ford F-250 F-350 SD Pick-up [2011 ~ present]

SuperSprings Part# SSA40 ~ SSA22 ~ SSA25



*OE spring plate*



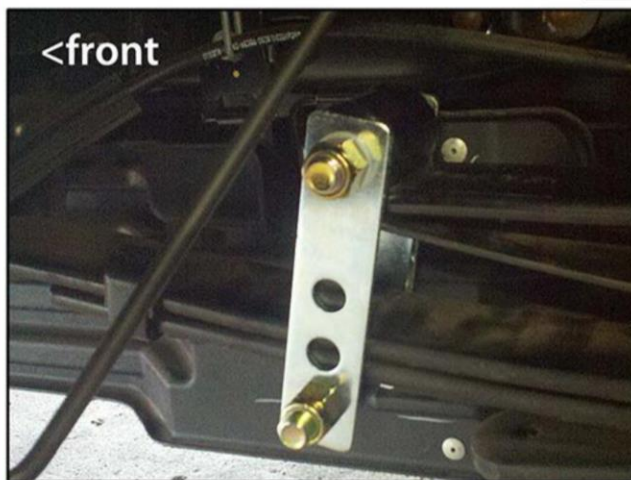
*PSP7 installed*

**Center**  
OE  
*spring plate*



*front >*

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



*<front*



*rear >*

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# SuperSprings®

Suspension Enhancement

**Ford F350/450/550 Chassis Cab [2017 ~ present]  
SuperSprings Part# SSA40 ~ SSA22 ~ SSA25  
PSP-7 & Spring Lock-Down Kit**



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



\*Reduced height bolt  
head clears spring mount



OE spring plate



PSP7 installed

Center  
OE  
spring plate



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



<front

\*\*

\*\*Do not use lowest bolt hole on  
front shackle for these trucks

Install rear  
shackle first  
followed by  
front shackle.

Front & rear  
adjustable  
preload.



rear>

install spring eye bolts threads out

Refer to SuperSprings application guide for part selection [www.supersprings.com](http://www.supersprings.com) [Tech line 866-898-0720]  
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# SuperSprings®

Suspension Enhancement

Ford F350/450/550 Chassis Cab [1999 ~ 2016]

SuperSprings Part# SSA40 ~ SSA22 ~ SSA25

w/ PSP 11 & Spring Lock-Down Kit

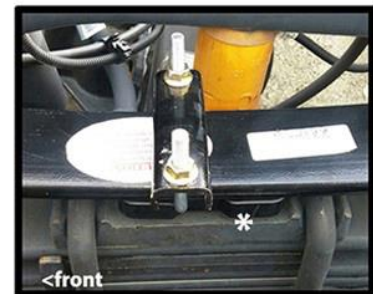
Remove spring clip bolt  
found at both ends  
of F-550 spring pack



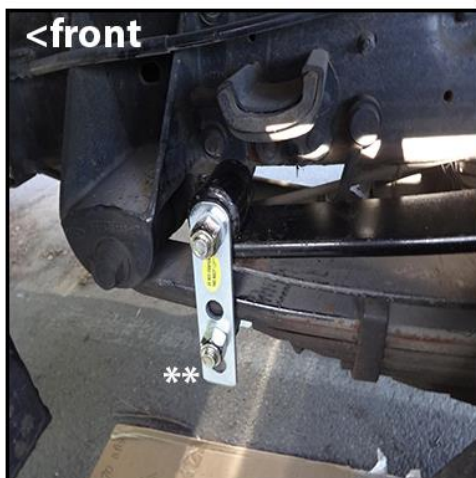
\*Reduced height bolt head  
clears spring mount



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.



\*\* Do not use lowest bolt hole on  
front shackle for these trucks

Install rear  
shackle first  
followed by  
front shackle.

Front & rear  
adjustable  
preload.



install spring eye bolts threads out

Refer to SuperSprings application guide for part selection [www.supersprings.com](http://www.supersprings.com) [ Tech line 866-898-0720 ]  
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