



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 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.

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 #SSA34 for Ford E-350 Cutaway

Front / Rear

The SSA34 springs do not have a specific left or right. Square shackles are attached front and rear. Unless specified otherwise install springs with bolt threads facing outward. (Reference installation flyer for installation position of SuperSprings)

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:

Place PSP flat side up, centered on U-bolt retainer plate. (Fig.1)
Factory U-bolts facing up or down has no effect on this installation.

Slip SuperSpring through wheel well or slide in from behind vehicle, positioning above PSP.

Note: Springs do not have to be centered 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. Ensure all A/C lines and brake cables that might be damaged by the SuperSprings blades are clear.

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.

Step 4:

Where additional lift or clearance is required, use shackle upper bolt hole in the front or rear or both. All other cases use lower bolt hole. Attach bolt on front shackle using both polypropylene (black) roller and steel rollers.

Step 5: 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 #4 above) and tighten.

NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.

Step 6: Recheck that no A/C lines or brake cables will be interfered with by the vertical travel of the SuperSprings.

Step 7: Repeat the same process on the other wheel.

Step 8: Lower the vehicle and remove jack and blocks.

Step 9: **SECURELY RETIGHTEN ALL MOUNTING KIT U-BOLT NUTS.**

(Fig.1)



SuperSprings®

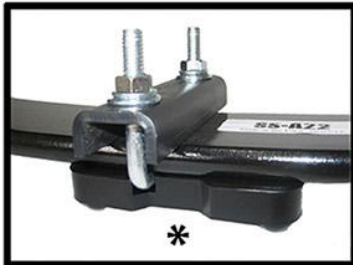
Suspension Enhancement

Ford E-350 Cutaway [1992 ~ present]

SuperSprings Part# SSA34 with PSP mounting kit



Typical PSP Mounting Kit Installation



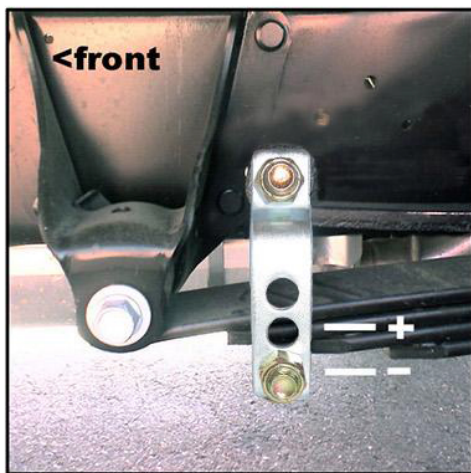
PSP11 with hold-down clamp assembly



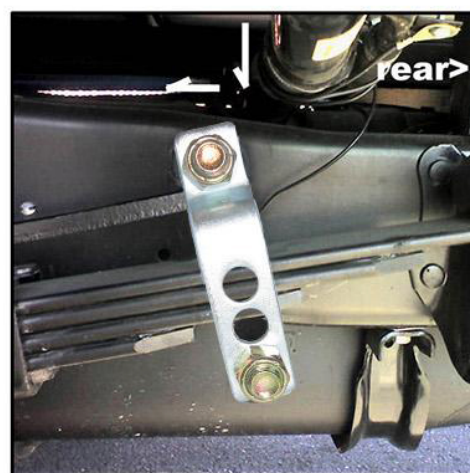
Place PSP11 on top of spring plate flat side up facing, with groove toward the front



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



Select pre-load & ride height



ensure clearance to filler line

SuperSprings enhance load carrying capability, handling & towing. Never exceed vehicle manufacturer's GVWR rating.