

SuperSprings®

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 SSA43 for Ford Transit 250/350 Van & Cab Chassis 2015-present

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 from moving.

Step 2: Jacking up vehicle

Jack up the vehicle and support the frame with jack stands so that the axle is hanging with tires slightly off the ground. You may remove the wheel for easier installation access but it is not required.

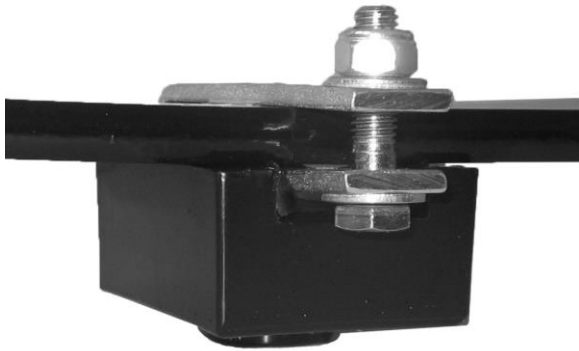


Fig. 1



Fig. 2

Step 3: Attach the PSP-10 to the Superspring (Fig. 1)

Attach the PDP-10 to the Superspring at mid-point along the length of the Superspring as in Fig. 1 above. Slide the plated spring-clip through the PSP-10 slot and over the mid-point of the Superspring and lock the PSP-10 to the Superspring with the supplied 5/16" bolt, nut and washer. The open end of the clip must be oriented to the same side of the Superspring as the threaded ends of the bolts of the shackles.

Step 4: Mount the SuperSpring on top of the factory spring-plate.

Slip the SuperSpring with attached PSP-10 through the wheel well or slide it in from behind the vehicle, positioning the PSP-10 on top of the factory spring-plate with the open end of the clip with bolt attachment toward the wheel (open end of clip away from frame).

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

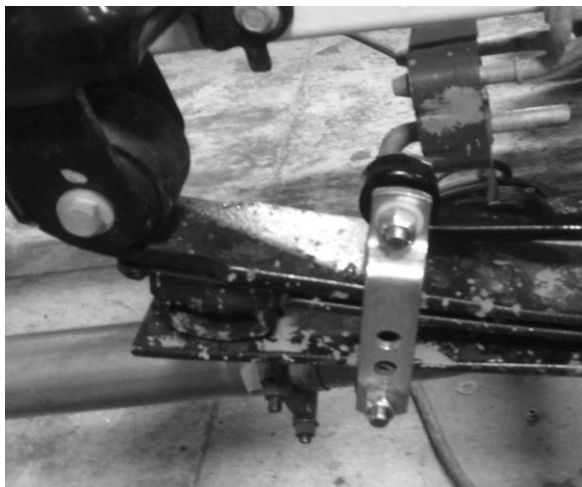


Fig. 3

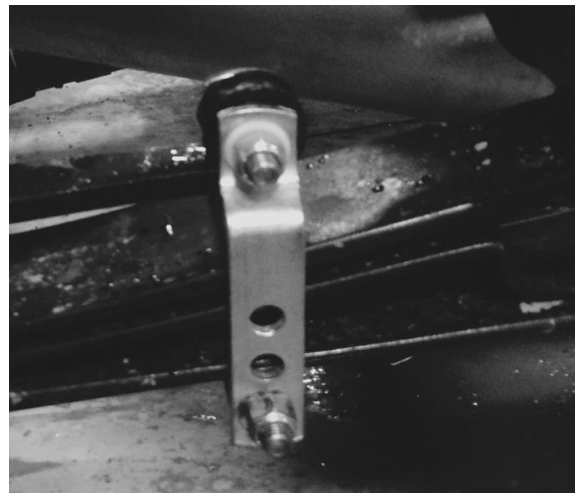


Fig. 4

Step 5: Attach front shackle (Fig. 3)

Position the front shackle so as to avoid contact with the frame. Install shackle roller along the underside of the bottom leaf (either two or three leaf pack suspension). Install the bolt, sleeve, and roller using the lower bolt hole on the shackle. Don't over-tighten nuts. Ensure all A/C lines and brake cables that might be damaged by SuperSpring blades are clear.

Step 6: Attach rear shackle (Fig. 4)

Use a C-Clamp (or installation tool) and pull down the rear of the SuperSpring. Install shackle roller along the underside of the bottom leaf (either two or three leaf pack suspension). Attach the shackle using the bolt, sleeve, and roller in the lower bolt hole position. Don't over-tighten nuts.
NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.

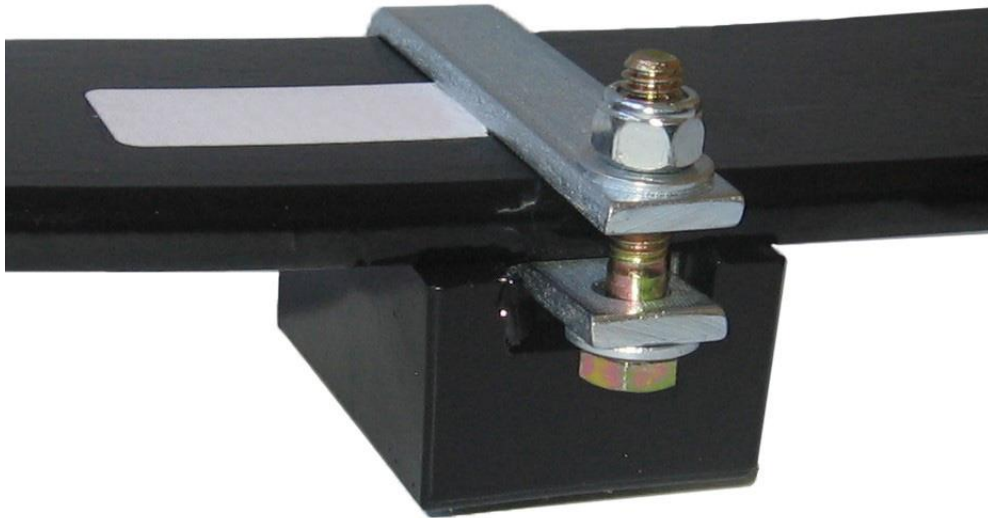


Fig. 5

Step 7: Install Hold-down Clamp (Fig. 5)

Lower the vehicle to the ground to compress the springs onto the mounting bracket. Clamp comes installed on the spring in correct location for installation. Slide the hold-down clamp through the steel sleeve in the PSP-10. Attach bolt, washer and nut and secure tightly with wrench.

Step 8: Check final alignments

Position springs shackles to provide rear rollers with $\frac{3}{4}$ " to 1" forward clearance from any obstacles. (roller movement is toward the axle on loading) Front rollers only require $\frac{1}{4}$ " clearance in either direction.

Step 9: Repeat the same process on the other wheel.

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
Ford Transit 250/350 [2014 ~ present]
SuperSprings Part# SSA43



Mounting Kit

Center

Install shackle roller on underside of two and three leaf spring packs



Rear Shackle



Front Shackle