

INSTALLATION INSTRUCTIONS

PRIMARY APPLICATION

- Ford F-350 Super Duty Pickup 2WD (2017-2019)
- Ford F-350 Super Duty Pickup 4WD (2017-2019)

TOOLS REQUIRED

- 1 Floor Jack
- 2 Jack Stands
- 4 Wheel Blocks
- 1-1/16" wrenches/sockets
- 1-1/8" wrenches/sockets
- 1 - C-clamp or ITL-1*

ITL-1*

The SuperClamp is a modified 12" BESSEY® F-Clamp featuring a 35° MorPad swivel head, custom Acme threaded screw with nut for using pneumatic impact tools, and unique U-shaped jaw designed specifically for light and medium duty SuperSprings.

**Optional SuperSprings Installation Tool*

PARTS LIST

Item	Part #	Description	QTY
A	SSA49	SuperSprings	2
B	111135	Spring Lock-Down Kit	1
C	PSP-7	Poly Spring Pad	2

SSA49 does not have a specific left/right or front/rear. Unless specified otherwise install springs with bolt threads facing outward.

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.
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.
3. Remove the rear factory top overload spring bump stop bracket on both sides. (see photo 3)
4. Place PSP-7 on top of factory spring plate so that it locates on center bolt and spring pad as shown (photos 4a, 4b). Place lock down kit u-bolt on TOP of the PSP-7 between the center and forward bumps. Slip SuperSprings through wheel well or slide in from behind vehicle, positioning it on top of the PSP-7. Position lock down kit u-bolt with the threads pointing up, install the clamp and thread nuts lightly onto u-bolt. (photo 4c)



INSTALLATION INSTRUCTIONS

POSITION THE SUPERSPRINGS SO THERE IS SUFFICIENT CLEARANCE FROM ANY FRAME CONTACT BOTH HORIZONTALLY AND VERTICALLY.

5. Position the shackle on the front of the SuperSprings so that it is directly behind and tight to the rear of the front factory spring clip. (photo 5). Using a heavy duty C-clamp or SuperSprings installation tool pull down the front shackle 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 SuperSprings 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.
6. Using a heavy duty C-Clamp or SuperSprings installation tool, pull down the rear shackle.
7. Attach rear shackle with bolt, sleeve and roller and tighten. Don't over-tighten nuts. **NEVER TIGHTEN TOP BOLTS ON ANY OF THE SHACKLES.**
8. Check final alignments. Springs do not have to be centered on mounting pad over axle. Position rear shackles to provide rear rollers with $\frac{3}{4}$ " to 1" forward clearance from any obstacles. Recheck that no A/C lines or brake cables will be interfered with by the vertical travel of the SuperSprings.
9. Once the spring is in the proper position, securely tighten down the nuts on the lock down clamp.
10. Repeat the same process on the other side of vehicle.
11. Lower the vehicle and re-move jack and blocks.
12. Recheck installation to ensure that all a/c lines, brake cables and truck frame will not interfere with the vertical travel of the SuperSprings.
13. Place the U shaped cross plate over the ends of the center lock down u-bolt with the U shape facing down and tighten in place with the $\frac{3}{8}$ lock nuts.
14. Lower the truck to the ground. Double check for any clearance or interference issues.

