

PRIMARY APPLICATION

FORD

Transit-150 4 X 2 (2015-2019)
Transit-250 4 X 2 (2015-2019)
Transit-350 4 X 2 (2015-2019)
Transit-350 HD 4 X 2 (2015-2019)

TOOLS REQUIRED

3/4" wrenches/sockets
SuperSprings Installation Tool
ITL-1 / ITL-8 or other high capacity clamps

APPROXIMATE INSTALL TIME

1 – 1.5 hours



ITL-1



ITL-8

SuperSprings International, Inc.

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Carpinteria, CA 93013

Technical Support

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Never exceed the manufacturer's Gross Vehicle Weight Rating (GVWR) located on your vehicle's identification tag.

SAFETY NOTICE: We recommend installation be done by a professional or persons with sound mechanical knowledge.

WARNING: These instructions are a general guide for installation. SuperSprings International, Inc. assumes no liability for the actual installation process. Consumers and installers should apply common automotive safety practices when raising and working on any vehicle. **Do not put yourself in a position where, if the vehicle were to move**

unexpectedly, you may be injured. SuperSprings' products are designed to improve vehicle ride quality. Do not load any vehicle beyond the manufacturer's specifications.

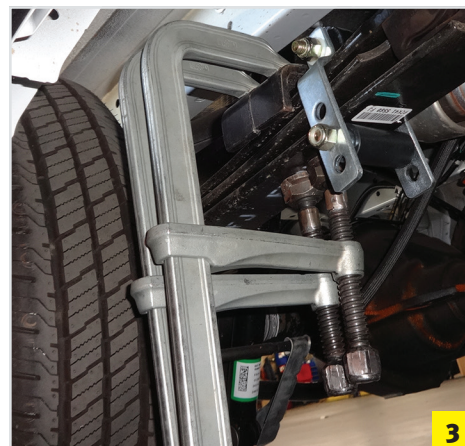
BEFORE INSTALLATION: Ensure the vehicle is on a level surface, the parking brake is ON, with the ignition OFF, and place blocks in front of and behind the front tires to prevent the vehicle from moving.

DURING AND/OR AFTER INSTALLATION: Ensure emergency brake cables are not touching the SuperSprings. Secure any cables out of the way with zip ties or by re-routing. **Ensure all A/C lines, brake cables and frame are clear of contact or interference.**

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.
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.
3. **Remove Shackle Bolts and Rollers** – Using a 3/4" wrench and a 3/4" socket and ratchet, remove the bolts, nuts and roller assemblies from the front and rear of the shackles and set aside (IMAGE 1). Rotate the shackles toward the center and parallel to the SuperSprings.
4. **Mount the SuperSprings on top of the factory spring-plate** – Take note of the position labels on the SuperSprings. They are **Driver's Side** and **Passenger's Side** specific and the end with the label **MUST** go toward the front of the vehicle. (IMAGE 1)
 - A. Slip the SuperSprings with attached PSP-10 through the wheel well or slide it in from behind the vehicle, positioning the PSP-10 into the trough on top of the factory spring-plate (IMAGE 2) with the open end of the clip with bolt attachment toward the wheel [open end of clip away from frame]. This will also ensure that the threaded ends of the shackle bolts are also toward the wheel [away from the frame].



Looking down at the top of the SSA43



ITL-1 used to compress the spring assembly

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5. **Attach front shackle** – Rotate the front shackle legs down on both sides of the factory spring-pack. Using **ITL-1 / ITL-8 or other high capacity clamps**, compress the SuperSprings and factory leaf pack together so that the rollers and hardware can be installed below the bottom leaf (**IMAGE 3**). Ensure that the threads of the bolts are facing out away from the frame.
 - A. On vehicles with **STAMPED** steel leaf spring mounts, either the lower [less preload] or middle hole may be used (**IMAGE 4**)
 - B. On vehicles with **CAST** steel leaf spring mounts, the middle hole **MUST** be used (**IMAGE 5**)
 - C. The top shackle bolts and nuts are torqued at the factory and should not be tightened.
6. **Attach rear shackle** – Rotate the rear shackles legs down on both side of the leaf spring. Using **ITL-1 / ITL-8 or other high capacity clamps**, compress the SuperSprings and factory leaf pack together so that the rollers and hardware can be installed below the bottom leaf. (**IMAGE 6**) Ensure that the threads of the bolts are facing out away from the frame.
 - A. On vehicles with **STAMPED** steel leaf spring mounts, either the lower or middle hole may be used (**IMAGE 4**)
 - B. On vehicles with **CAST** steel leaf spring mounts, the middle hole **MUST** be used (**IMAGE 5**)
 - C. The top shackle bolts and nuts are torqued at the factory and should not be tightened.
7. Repeat the same process on the other side.
8. **Lower the vehicle** – Jack up the vehicle, remove the jack stands, then lower the vehicle to the ground. Remove the blocks from front and rear of the front wheels.
9. **Final Check** – Check that the position of the SuperSprings ensures there is sufficient clearance from any frame contact both horizontally and vertically.



On vehicles with **STAMPED** steel leaf spring mounts: either the lower or middle hole of the SSA43 shackle may be used.



On vehicles with **CAST** steel leaf spring mounts: the middle hole of the SSA43 shackle **MUST** be used.



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