

# SumoSprings Front

Suspension Enhancement  
FORD F450/550 Super Duty 2x4, 4x4 [2005-present]  
SumoSprings Part# SSF-104-47 ~ SSF-104-54



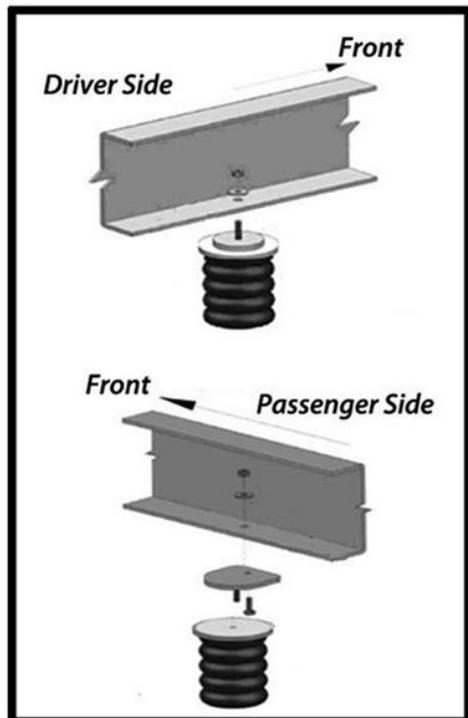
Note: Color variation will occur in manufacturing.  
This does not effect performance of product.



*SSF-104-47 use for ride control*



*SSF-104-54 for added capacity  
Passenger Side with offset installation plate*



*SSF-104-54 Installation*



*SSF-104-54 Installed*

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

## **Installation Instructions**

- 1) Park vehicle on level hard surface. Engage emergency brake. Place blocks in front and behind rear wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
- 2) Raise front of vehicle allowing the axle to hang freely. Support the frame using safety jack stands.
- 3) Remove existing factory jounce bumper assembly by grasping it firmly and with a twisting and pulling motion, work it until the jounce bumper pops out of the retaining cup. It can also be pried out of the retaining cup utilizing a large flat blade screwdriver.
- 4) Using a 10mm. socket and ratchet, remove the bolt and retaining cup. Retain the jounce bumper, retaining cup and bolt in the event that the SumoSprings are ever removed.
- 5) On the drivers side Insert the stud on the end of the SumoSpring into the threaded hole where the factory jounce bumper was located. Using both hands, tighten the SumoSpring as much as possible. Install the supplied flat washer and nut on top of the stud and tighten securely.
- 6) On the passengers side detach the SumoSpring from the adaptor plate (C) (grip adaptor plate and twist off jounce). Attach the adaptor plate through the threaded hole where the factory jounce bumper was located using the M8 flat head countersunk cap-screw (G) and 8mm washer (E) and 8mm Nylock nut (H) and secure tightly. Apply Loctite (supplied) to protruding threaded stud from underside of adaptor plate and screw the SumoSpring back onto the adaptor plate securely.
- 7) Jack up vehicle, remove safety jack stands.
- 8) Carefully lower vehicle to the hard surface. Remove the blocks in front and back of the rear wheels.
- 9) Release emergency brake.
- 10) Fill out warranty card and send to SuperSprings. The warranty card is on the reverse side of this page.

### **Tool List**

Floor jack	1
Jack stands	1
13mm socket wrench	1
10mm socket wrench	1
Ratchet	1
Wheel blocks	2

### **Parts List**

<b><i>Item</i></b>	<b><i>Part #</i></b>	<b><i>Description</i></b>	<b><i>Qty</i></b>
<i>A</i>	<i>511432</i>	<i>Sumo Spring passenger side</i>	<i>1</i>
<i>B</i>	<i>511434</i>	<i>Sumo Spring drivers side</i>	<i>1</i>
<i>C</i>	<i>512012</i>	<i>Plate offset adaptor passenger side</i>	<i>1</i>
<i>D</i>	<i>512009</i>	<i>Plate washer drivers side</i>	<i>1</i>
<i>E</i>	<i>512244</i>	<i>5/16 USS washer - steel</i>	<i>2</i>
<i>F</i>	<i>512219</i>	<i>M8 nylock nuts - steel</i>	<i>2</i>
<i>G</i>	<i>512267</i>	<i>8mmx35mm FHCS</i>	<i>1</i>
	<i>512239</i>	<i>Lock-Tite sachet</i>	<i>1</i>

### **Important Notice.**

- 1) For easy installation please read instructions completely first and have all necessary tools available.
- 2) We recommend that this installation be done by a professional or persons with sound mechanical knowledge.
- 3) SumoSprings are designed to work with the original factory springs only. If they have been replaced with aftermarket springs then please consult with Supersprings International at 866-898-0720.
- 4) These instructions are meant as a guide for the installation of SumoSprings. SuperSprings International assumes no liability for the actual installation process. Installers should apply common automotive safety practices when raising, lowering and working on vehicles.
- 5) SumoSprings are designed to enhance the vehicles load carrying performance and road handling however it does not authorize (or recommend) loading beyond the manufacturer's GVWR specifications.
- 6) For technical support contact SuperSprings International at 866-898-0720.

***To prevent damage to the vehicle and to ensure safety, do not exceed the maximum load recommended by the vehicles manufacturer (GVWR).***