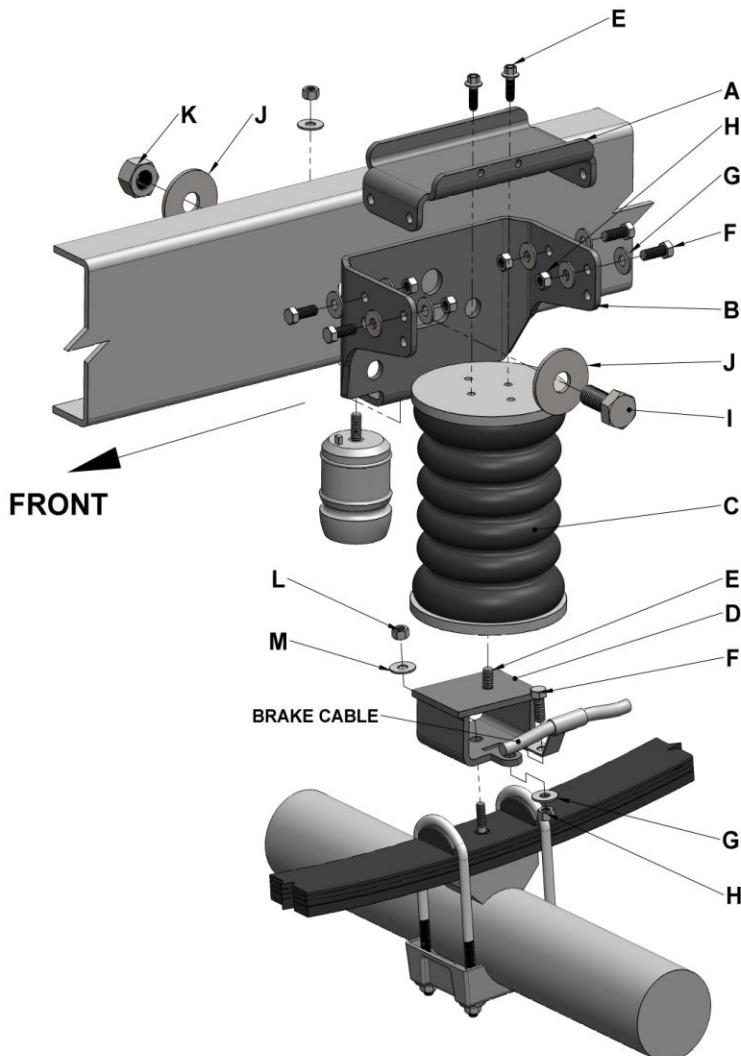


# SumoSprings

## Rear

**Ford F250/F350 Super Duty 2x4, 4x4 (2011-2012)**  
**Part #SSR-103**  
**Installation Instructions**

### Drivers side (Passenger's side similar)



### Parts List

Item	Part #	Description	Quant.
A	512007	Upper bracket	2
B	512006	Frame bracket	2
C	511400	Sumospring	2
D	512032	Lower mounting block Drivers Side	1
	512033	Lower mounting block Passenger Side	1
E	512207	3/8-16x 3/4" serrated flange hex head bolt	6
F	512223	3/8-16x1 1/4" hex head bolt	9
G	512227	3/8" washers	17
H	512209	3/8-16 flange hex nut	9
I	512203	3/4-16x1 3/4"hex head bolt	2
J	512204	3/4" fender washer	4
K	512206	3/4-16 hex nut	2
L	512241	M12x1.75 Stover nut	2
M	512242	M12 flat washer	2
O	512270	M11x1.5 Hex nut	2
P	512271	M11 split washer	2

### Tool List

Floor Jack	1
Jack stands	2
Wheel blocks	4
24 mm wrench (15/16")	1
9/16" wrench	2
1- 1/8" wrench	1
1-1/8" socket and ratchet	1
19mm wrench	1

## **Installation Instructions**

- 1) Park vehicle on level hard surface. Place wheel blocks in front and behind the front wheels to prevent rolling. Observe all safety precautions and wear safety glasses.
- 2) Raise the rear of the vehicle allowing the axle to hang free and rest the frame on the safety jack stands rated for the weight of the vehicle. Removal of the rear wheels is optional.
- 3) Starting on the driver's side un-bolt and remove the factory jounce bumpers from the underside of the frame and set aside for later re-installation. Detach the emergency brake cable from the spring-pack centre bolt for later re-attachment to the Sumospring lower mounting block (Item D).
- 4) Remove the pre-assembled upper bracket (Item A)/frame bracket (Item B)/Sumo spring (Item C) assembly from the box. Attach the Lower mounting block (Item D) to the correct orientation (see diagram) to the bottom of the Sumospring (Item C) using a 3/8-16 x  $\frac{3}{8}$ " serrated flange bolt (Item E). Before tightening ensure the lower bracket is square to the frame with the tallest leg towards the front of the truck. Once properly aligned torque the nuts to 135 foot pounds.
- 5) Attach the complete assembly to the bottom of the frame rail using the factory jounce bumper and nut utilizing the rear hole on the frame bracket and inserting the metal tab into the centre hole. Torque the attaching nut to 30 foot pounds.
- 6) Secure the frame bracket to the side of the chassis frame utilizing the 3/4-16 x 1  $\frac{3}{8}$ " hex bolt (Item K), two  $\frac{3}{8}$ " fender washers (Item J), one  $\frac{3}{8}$ " lock washer (Item L) and one  $\frac{3}{8}$ " hex nut (Item M), already loosely attached to the frame bracket, through the slotted hole in the frame. Ensure the relief holes in the frame bracket accommodate the factory hardware attached to the frame. Tighten to 270 foot pounds of torque.
- 7) Jack up the axle or lower the vehicle so that the bottom mounting block (Item D) engages the factory spring centre bolt and attach using a 12mm washer (Item M) and a 12mm Stover nut (Item L) and secure tightly. Some spring-packs have an 11mm centre bolt in which case secure the bottom mounting block to the centre bolt using an 11mm hex nut (Item O) and an 11mm split washer (Item P) instead.
- 8) Attach the emergency brake cable bracket to the tab on the bottom mounting block using a 3/8-16x 1" bolt (Item F) and 3/8" washer (Item G) and 3/8" Stover nut (Item H).
- 9) Repeat steps three through eight on the other side of the vehicle.
- 10) If rear wheels were removed you can now reinstall the rear wheels and torque wheel nuts to manufacturers spec.
- 11) Jack up vehicle, remove safety jack stands.
- 12) Remove wheel blocks from the front wheels.
- 13) Fill out warranty card and send to SuperSprings. The warranty card is an attached document.

## **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).***

# SuperSprings®

## LIMITED WARRANTY

Your SuperSprings™ product is covered by the **Limited Warranty** explained below that gives you specific legal rights. This Limited Warranty is the only warranty made in connection with your suspension stabilizer, SumoSprings. SuperSprings™ neither assumes nor authorizes any vendor, retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty.

### **What is Covered?**

Subject to the terms, exclusions and limitations herein, SuperSprings International, Inc. Warrants to the initial retail or fleet purchaser only that its SumoSprings suspension stabilizer shall be free of defects in material and workmanship for:

**Two (2) years**

This Limited Warranty extends only to the initial retail or fleet purchaser with respect to use upon the vehicle the SuperSprings™ product is first installed. The term of Limited Warranty shall be measured from the date of purchase. SuperSprings™ reserves the rights to: (a.) require claimant's proof of purchase as a condition of this Limited Warranty, (b.) make future revisions to its Limited Warranty without prior notice.

**ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE  
ARE HEREBY DISCLAIMED.**

### **What is Not Covered?**

Your **Limited Warranty** does not cover any damage arising or related to any vehicle, product, or component combination other than the SumoSprings suspension stabilizer. Your SuperSprings™ Limited Warranty further does not cover vehicles, products or components supplied by us or others that SuperSprings International, Inc determines to have been damaged by or subjected to:

- Vehicle use in excess of GVWR combined vehicle weights/ tow ratings or other OEM design specifications or limitations.
- Normal wear and tear, deterioration of spring shape or rating, alteration or failure to maintain.
- Scratches or defects in product finishes (powder coating, paint, etc.) or damage due to shipping.
- Misuse, including products used other than as recommended in the current SumoSprings application guide or the instructions.
- Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.

### **Remedy Limited to Repair / Replacement.**

The exclusive remedy provided hereunder shall, upon SuperSprings Internationals' inspection and option, be either repair or replacement of product or parts covered under this **Limited Warranty**. Customers requesting warranty consideration should first contact the independent distributor from whom you purchased your SumoSprings to obtain a Returned Goods Authorization number. All removal, shipping and installation costs are customer's responsibility. If a replacement part is needed before yours can be returned, you must first purchase the replacement part. Then, if SuperSprings™ deems your part warrantable, you will be credited the purchase price. Your warrantor is SuperSprings International, Inc. *If you are unable to submit a warranty claim through your distributor contact SuperSprings™ customer service at 800-898-0705 or the address indicated below.*

### **Other Limitations - Exclusion of Damages - Your Rights under State Law**

In consideration of the purchase price paid, neither SuperSprings International, Inc. or any independent SuperSprings™ distributor are responsible for any installation or removal costs, time loss, rental costs, or for any incidental, consequential, punitive or other damages you or third parties may incur in connection with any product purchased. Your exclusive remedy hereunder for covered parts is repair/replacement as described above.

*This **Limited Warranty** gives you specific rights. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of Limited Warranty described above. Some states do not allow limitations of how long an implied warranty lasts and /or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you.*

SuperSprings International Inc. 5055 6<sup>th</sup> Street, Carpinteria, CA 93013

Phone: 800-898-0705      Tech Support: 866-898-0720      Web: [www.supersprings.com](http://www.supersprings.com)

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06/07/2012

# ***SuperSprings.***

## **Warranty Card**

**To activate your SuperSprings product warranty please complete and return this form today with a copy of your receipt for the item(s) purchased. Completed forms may be faxed or mailed to the number or address listed below.**

### **Buyer Information**

**Name**

**Street Address**

**City**

**State**

**Zip**

**Phone**

**Fax**

**Email Address**

### **Item Purchased**

**Purchase Date**

### **Seller Information**

**Company Name**

**Phone Number**

**Sales Invoice #**

### **Installation Information**

**Vehicle Make**

**Vehicle Model**

**Vehicle Year**

**Please note: Without a copy of your receipt this warranty information CANNOT be processed.**

**Please ensure you have attached a copy of your SuperSprings purchase receipt with this completed form**

**Please mail to SuperSprings address listed below.**

**Comments:**