

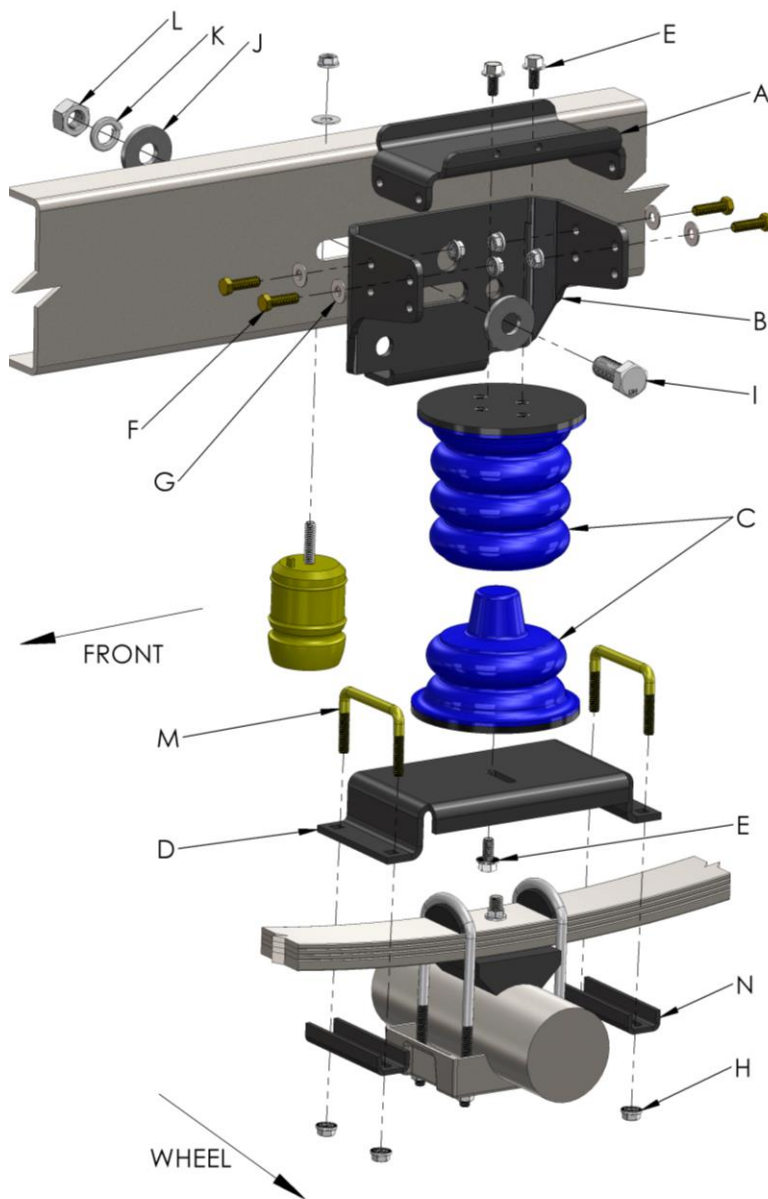
# SumoSprings Rear

**Ford F250/F350 Super Duty 2x4, 4x4 (2014-2015)**

**Part #SSR-115-40-2 ~ SSR-115-47-2**

## Installation Instructions

*Drivers side (Passenger's side similar)*



### PARTS LIST

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Quant.</u>
A	512007	Upper bracket	2
B	512006	Frame bracket	2
C	511417 511416	Sumo Spring (blue) or Sumospring (black)	2 or 2
D	512048	Ford SD alt. lower bracket	2
E	512207	3/8-16x 3/4" serrated flange hex head bolt	6
F	512223	3/8-16x1 1/4" hex head bolt	8
G	512227	3/8" washers	8
H	512209	3/8-16 flange hex nut	16
I	512203	3/4-16x1 3/4" hex head bolt	2
J	512204	3/4" fender washer	4
K	512205	3/4" lock washer	2
L	512206	3/4-16 hex nut	2
M	512245	3/8" u-bolt 3"x2"	4
M	512255	3/8" u-bolt 5"x2"	4
N	512047	Lower U straps	4

### 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.
- 4) Remove the pre-assembled upper bracket assembly – upper bracket (Item A)/frame bracket (Item B)/Sumo spring upper (Item C) from the box. 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.
- 5) Secure the frame bracket to the side of the chassis frame utilizing the 3/4-16 x 1 3/4" hex bolt (Item I), two 3/4" fender washers (Item J), one 3/4" lock washer (Item K) and one 3/4" hex nut (Item L), 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.
- 6) Remove the lower bracket assembly - lower bracket (Item D) and Sumospring lower (Item C) and place on top of factory spring pack directly over the spring plate.
- 7) Where the truck is fitted with the top factory overload spring then the lower bracket (Item D) is attached to the overload leaf using two 3/8" u-bolts 3"x2" (Item M) and two lower u-straps (Item N). The u-bolts are secured using four 3/8-16 flanged hex nuts (Item H).
- 8) Where the truck is not fitted with the top factory overload spring then the lower bracket (Item D) is attached to the main spring-pack in a similar way to step 7 above except that instead of using the shorter u-bolts we use the longer 3/8" u-bolts 3"x 5" (Item M).
- 9) At this stage make sure that upper and lower brackets and top and bottom of SumoSprings are aligned correctly. If not, loosen the 3/8-16 flange bolts (item E) on top and bottom of SumoSprings and line them up. Then retighten bolts to 30 ft-lbs.
- 10) Repeat steps three through nine on the passenger side of the vehicle.
- 11) If rear wheels were removed you can now reinstall the rear wheels and torque wheel nuts to manufacturers spec.
- 12) Jack up vehicle, remove safety jack stands.
- 13) Remove wheel blocks from the front wheels.
- 14) 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).***