

SumoSprings Rear

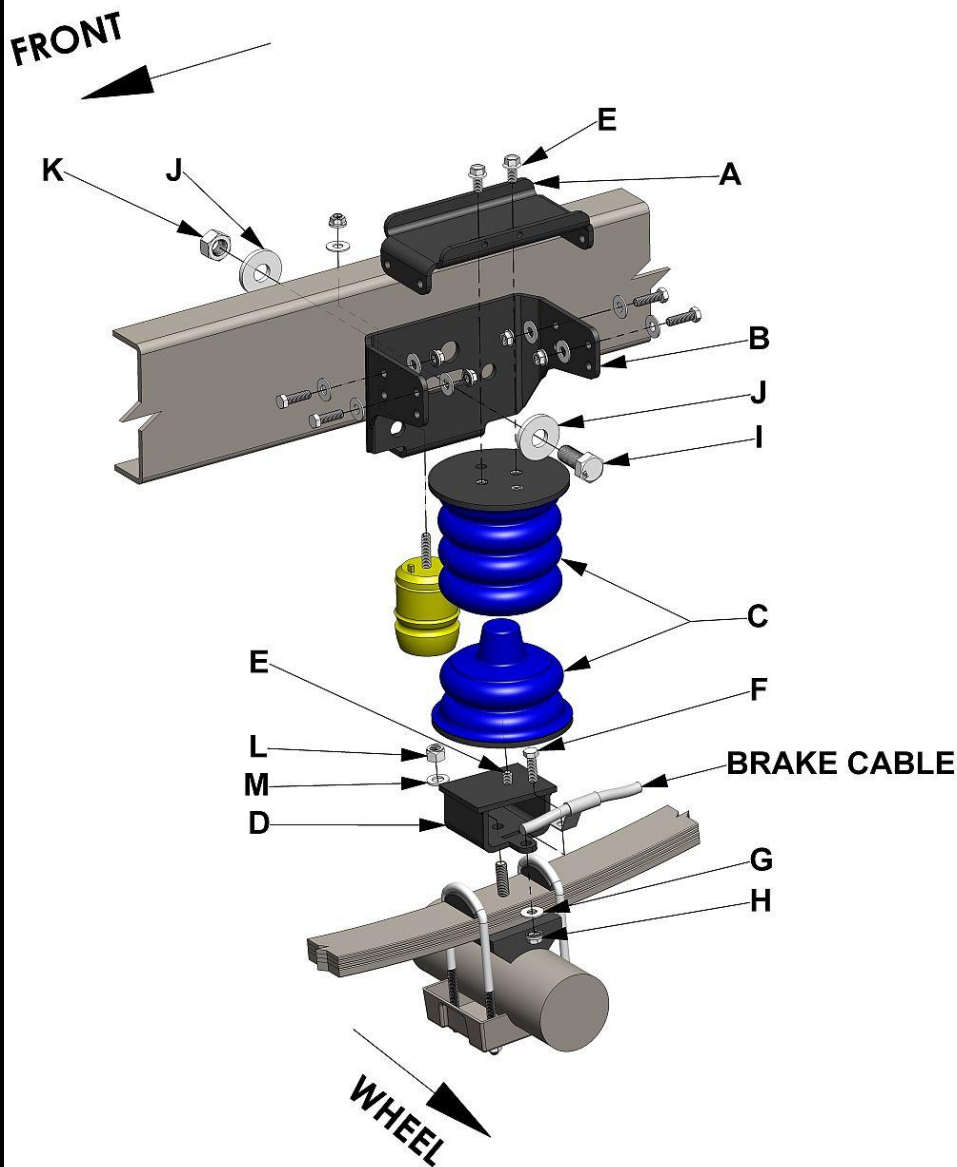
Ford F250/F350 Super Duty 2x4, 4x4 (2011-2013)

with factory top overloads

Part #SSR-103-40-2 ~ SSR-103-47-2

Drivers side (Passenger's side similar)

Parts List



Item	Part #	Description	Quant.
A	512007	Upper bracket	2
B	512006	Frame bracket	2
C	511417	Sumo Spring (blue)or	2 or
	511416	Sumospring (black)	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	3/8" fender washer	4
K	512206	3/8-16 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 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 K), two 3/4" fender washers (Item J), one 3/4" lock washer (Item L) and one 3/4" 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.
- 6) Remove the pre-assembled lower bracket assembly – Sumospring lower (Item C) and lower mounting block (Item D). Please note that the driver side has the lower mounting block (Item D – 512032) with a tab for re-attaching the emergency brake cable when required. Mount the assembly onto 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. Ensure the lower bracket is orientated with the tallest leg towards the front of the truck. Once properly aligned torque the nuts to 135 foot pounds.
- 7) 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).
- 8) Repeat steps three through seven on the passenger side of the vehicle. All notes relating to the emergency brake cable relocation do not apply.
- 9) If rear wheels were removed you can now reinstall the rear wheels and torque wheel nuts to manufacturer's spec.
- 10) Jack up vehicle, remove safety jack stands.
- 11) Remove wheel blocks from the front wheels.
- 12) 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 vehicle's 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 vehicle's manufacturer (GVWR).