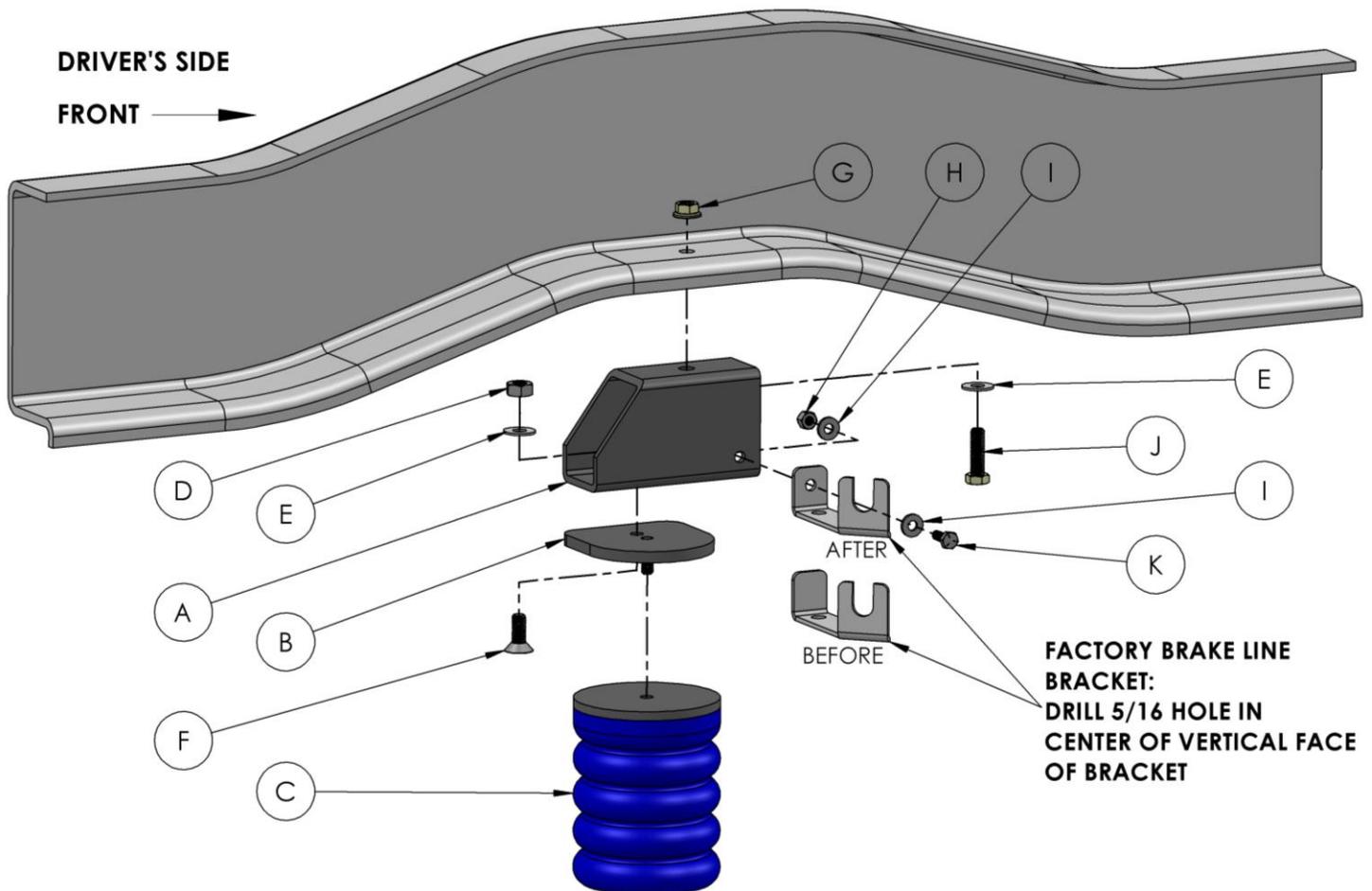


SumoSprings Rear

Ford E350 (2006-Present)
****Sportsmobile 4wd Only****

Part #SSR-122-40
Installation Instructions



<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
A	512134	Mounting Bracket	2
B	512027	Offset Adapter	2
C	511440	SumoSpring -40 Blue	2
D	512240	M10 Lock Nut	2
E	512227	3/8 Flat Washer	4
F	512238	M10-1.5 x 25mm FHCS	2
G	512302	3/8-16 Lock Nut	2
H	512358	¼-20 Lock Nut	1
I	512359	¼ Flat Washer	2
J	512223	3/8-16 x 1-1/4 Hex Bolt	2
K	512357	¼-20 x ¾ Hex Bolt	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 bumper from the underside of the frame and set aside.
- 4) Attach the mounting bracket (item A) to the same hole from which the factory bump stop was removed as seen in the diagram on page 1. Using one 3/8-16 x 1-1/4 hex bolt (Item J), one 5/16 flat washer (Item E), and one 3/8 lock nut (Item G). Torque to 30 ft. lbs. Ensure the angle portion of the bracket is facing the rear as in the diagram on page 1.
- 5) Attach the Offset adapter plate (Item B) to the bottom of the mounting bracket (Item A) using one M10 x 25mm FHCS (Item F), one 5/16 flat washer (Item E), and one M10 lock nut (Item D). Torque to 30 ft. lbs. Ensure round side of the offset adapter is pointing away from the wheel as seen in diagram on page 1.
- 6) Apply a drop of Lock Tite to the stud on the bottom of the offset adapter and attach SumoSpring (item C) to the stud and tighten by hand.
- 7) Brake line bracket: The factory brake line bracket on the driver's side must be modified by drilling a 5/16" hole in the vertical face as seen in the diagram on page 1. It is then attached to the mounting bracket (Item A) with the ¼-20 bolt (Item K), nut (Item H), and washers (Item I) as seen on page 1.
- 8) Repeat steps three through six on the passenger's side of the vehicle.
NOTE: If more engagement is desired, the SumoSpring may be mounted to the bracket using the 1" spacer and 3/8-16x1-¾ flange bolt.
- 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 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).