

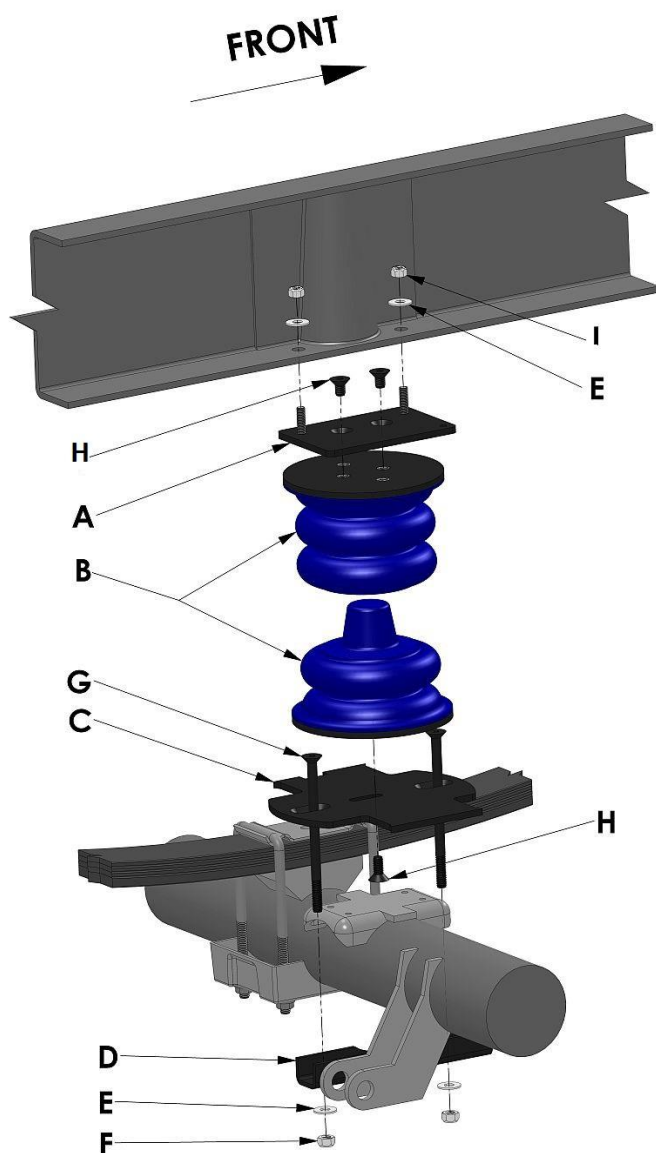
# SumoSprings Rear

Chevy 2500/3500 HD 2x4, 4x4 (2001-2010)

Part #SSR-201-40 ~ SSR-201-47-2

Installation Instructions

Driver's side (Passenger's side similar)



## Parts List

Item	Part #	Description	Quant.
A	512022	Top bracket	2
B	511419	Blue Sumo Spring-40	2
	511418	Black Sumospring-47	2
C	512029	Bottom bracket	2
D	512030	Axle Clamp	2
E	512244	3/8 Flat Washers	8
F	512234	3/8-16 Top-lock nut	4
G	512289	3/8-16x 6" FHCS	4
H	512245	3/8-16x 7/8" FHCS	6
I	512235	8mm Top-lock nut	4

## Tool List

Floor Jack	1
Jack stands	2
Wheel blocks	4
7/32 Allen key	1
9/16" wrench	2

## **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 vehicle. Removal of the rear wheels is optional.
- 3) Remove the factory jounce bumpers from the underside of the frame and set aside for possible re-installation in the eventuality that the SumoSprings may be removed at a later date.
- 4) Assemble the top bracket assembly by bolting the Top bracket (Item A) to the top of the Sumospring upper ((Item B) using two 3/8-16 x 5/8" FHCS (Item I) as indicated. Then attach the upper assembly to the frame using the same two bolt-holes from which the bump-stop was removed using two 8mm Top-lock nuts (Item J) and two 8mm washers (Item K).
- 5) Assemble the lower bracket assembly by first installing the two 3/8-16 x 6" FHCS (Item G) and then attaching the Sumospring lower (Item B) to the bottom bracket (Item C) using a 3/8-16 x 7/8" FHCS (Item H). Do not fully tighten 3/8-16 Flat Head Cap Screw (Item H) to allow for later adjustment.
- 6) Place the lower bracket assembly on the driver's side axle housing with the cut-out in the Bottom plate (Item C) facing toward the wheel as shown in the exploded view. (On the passenger side the cut-out faces away from the wheel.) Lift and tilt and twist the assembly ensuring the ears of the Bottom plate lodge between the factory u-bolts and the factory spring-pack and the assembly rests on the factory jounce pad. The ears of the bottom bracket lock into the factory u-bolts. Ensure that the Sumospring lower aligns with the Sumospring upper in the upper bracket assembly. With a pencil clearly mark the location on the Sumospring lower on the bottom bracket (Item C). Then remove the lower bracket assembly and tighten the 3/8-16 x 7/8 FHCS (Item H) ensuring the Sumospring lower aligns with the pencil marks. Then re-install the lower bracket assembly as before.
- 7) Attach the Axle Clamp (Item D) to the hanging 3/8-16 X 6" FHCS bolts using two 3/8 Flat Washers (Item E) and two 3/8-16 Top-lock Nuts (Item F) ensuring the off-set in the Axle Clamp is to the rear to align with the assembly.
- 8) Repeat steps three through seven on the passenger's side of the vehicle.
- 9) If rear wheels were removed you can now reinstall the rear wheels.
- 10) Jack up vehicle, remove safety jack stands and lower the vehicle to the hard surface. Remove front wheel blocks.
- 11) 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.
- 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.

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

# SumoSprings Rear

Suspension Enhancement  
GM 2500/3500 HD Pick Up [2001-2010]  
SumoSprings Part# SSR-201-40-2  
and SSR-201-47-2



**Installation**

